MAD

PROJECT ID: 6130-01-72

WITH: 6145-01-72, -73, -74, -82, -83, -84

COUNTY: SAUK

MAY 2026

ORDER OF SHEETS

Section No.	1	Title
Section No.	2	Typical Sections and Details
Section No.	3	Estimate of Quantities
Section No.	3	Miscellaneous Quantities
~~Section No.~~	~~4~~	~~Right of Way Plat~~
~~Section No.~~	~~5~~	~~Plan and Profile~~
Section No.	6	Standard Detail Drawings
Section No.	7	Sign Plates
~~Section No.~~	~~8~~	~~Structure Plans~~
Section No.	9	Computer Earthwork Data
Section No.	9	Cross Sections

TOTAL SHEETS = 100



DESIGN DESIGNATION

A.A.D.T.	2026	=	N/A
A.A.D.T.	2046	=	N/A
D.H.V.		=	N/A
D.D.		=	N/A
T.		=	N/A
DESIGN SPEED		=	40 MPH
ESALS		=	N/A

CONVENTIONAL SYMBOLS

PLAN

- CORPORATE LIMITS
- PROPERTY LINE
- LOT LINE
- LIMITED HIGHWAY EASEMENT
- EXISTING RIGHT OF WAY
- PROPOSED OR NEW R/W LINE
- SLOPE INTERCEPT
- REFERENCE LINE (300'ER')
- EXISTING CULVERT
- PROPOSED CULVERT (Box or Pipe)
- COMBUSTIBLE FLUIDS (CAUTION)
- MARSH AREA
- WOODED OR SHRUB AREA

PROFILE

- GRADE LINE
- ORIGINAL GROUND
- MARSH OR ROCK PROFILE (To be noted as such) (ROCK)
- SPECIAL DITCH (LABEL)
- GRADE ELEVATION (95.36)
- CULVERT (Profile View)

UTILITIES

- ELECTRIC (E)
- FIBER OPTIC (FO)
- GAS (G)
- SANITARY SEWER (SAN)
- STORM SEWER (SS)
- TELEPHONE (T)
- WATER (W)
- UTILITY PEDESTAL
- POWER POLE
- TELEPHONE POLE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

WISCONSIN DELLS - ADAMS

MEDIAN 350FT S OF US12 INTERSECTION

STH 13

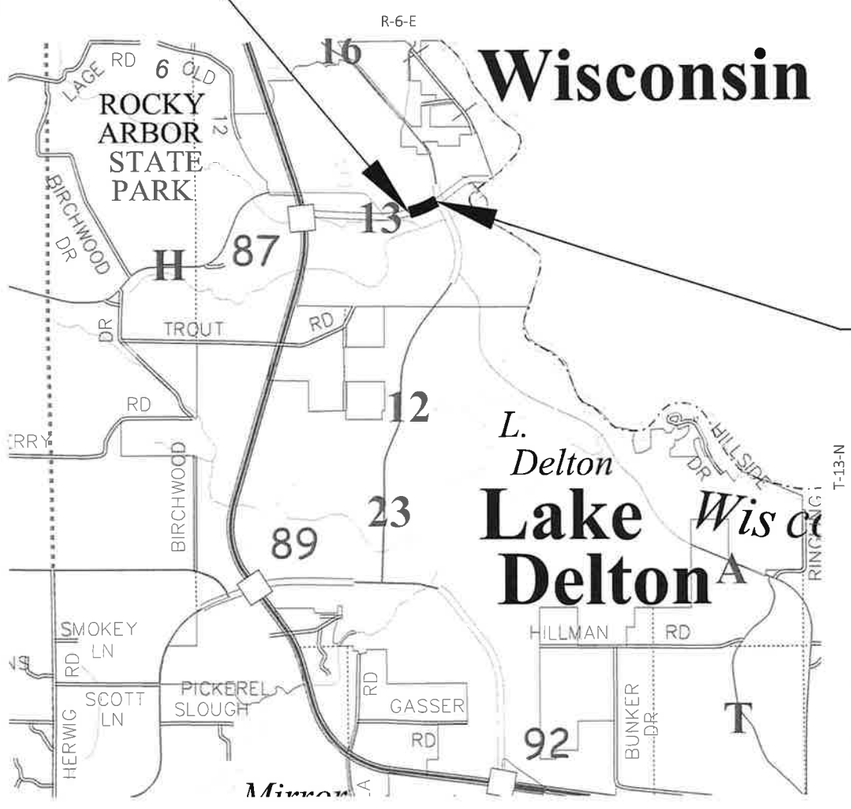
SAUK COUNTY

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
6130-01-72	WISC 2026003	1

STATE PROJECT NUMBER

6130-01-72

BEGIN PROJECT 6130-01-72
STA. 126+34.79
Y = 293,567.77
X = 638,354.13



END PROJECT 6130-01-72
STA. 132+83.92

LAYOUT

SCALE 0 1 MI

TOTAL NET LENGTH OF CENTERLINE = 0.123 MI

ORIGINAL BASE MAPPING WAS OBSERVED IN 2011/2012 BASED ON THE NAD83 (2007) AND NAVD88 (2007) DATUMS.

UPDATED BASE MAPPING WAS OBSERVED IN 2022 UTILIZING ORIGINAL PROJECT CONTROL. GPS OBSERVATIONS APPLIED HORIZONTAL AND VERTICAL SITE CALIBRATIONS TO THE ORIGINAL BASE MAPPING DATUMS.

HORIZONTAL POSITIONS SHOWN ON THIS PLAN ARE WISCONSIN COORDINATE REFERENCE SYSTEM (WISCRS), SAUK COUNTY NAD83 (2007), IN U.S. SURVEY FEET. POSITIONS SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES ARE THE SAME AS GROUND DISTANCES.

ELEVATIONS ARE REFERENCED TO NAVD 88 (2007). GPS DERIVED ELEVATIONS ARE BASED ON GEOID 09.

ORIGINAL PLANS PREPARED BY

GRAEF
275 W. Wisconsin Avenue, Suite 300
Milwaukee, WI 53203

WISCONSIN
JULIE A. CHAPMAN
45055
GREENFIELD, WI
PROFESSIONAL ENGINEER

Julie A. Chapman
6/5/2025

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY

Surveyor	GRAEF
Designer	GRAEF
Project Manager	DEREK POTTER, P.E.
Regional Examiner	SW REGION
Regional Supervisor	CHAD SCHROEDER, P.E.

APPROVED FOR THE DEPARTMENT

DATE: 6/10/25 (Signature)

E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6130-01-02\010101_TI.DWG

PLOT DATE : 6/5/2025 9:48 AM

PLOT BY : CHAPMAN, JULIE

PLOT NAME :

GENERAL NOTES

NO TREES OR SHRUBS ARE TO BE REMOVED UNLESS INDICATED FOR REMOVAL BY THE ENGINEER.

ALL RADIUS DIMENSIONS FOR CURB & GUTTER ARE GIVEN TO THE FLANGE. ALL ELEVATIONS ALONG CURB & GUTTER ARE GIVEN TO THE FLANGE. OFFSETS NOTED ARE TO THE FLANGE OR EDGE OF LANE IF NO CURB, UNLESS OTHERWISE NOTED.

THE LOCATION OF EXISTING AND PROPOSED UTILITY INSTALLATIONS AS SHOWN ON THE PLANS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT AREA THAT ARE NOT SHOWN.

ALL EROSION CONTROL MEASURES SHALL BE ADJUSTED TO MEET FIELD CONDITIONS AT THE TIME OF CONSTRUCTION AND SHALL BE INSTALLED PRIOR TO ANY GRADING OR DISTURBANCE OF EXISTING SURFACE MATERIAL ON THE SITE.

THE EROSION CONTROL ITEMS SHOWN ON THE PLANS ARE AT SUGGESTED LOCATIONS. THE ENGINEER SHALL DETERMINE THE EXACT LOCATIONS. ALL EROSION CONTROL MEASURES SHALL BE MAINTAINED UNTIL SUCH TIME AS THE ENGINEER DETERMINES THE MEASURE IS NOT LONGER NECESSARY.

LANDSCAPE ALL TOPSOILED AREAS WITHIN 5 CALENDAR DAYS AFTER THE PLACEMENT OF TOPSOIL.

CONCRETE JOINTS SHALL MATCH ABUTTING PAVEMENT AND CURB AND GUTTER JOINTS UNLESS OTHERWISE DESIGNATED BY THE ENGINEER.

STANDARD ABBREVIATIONS

AEW	APRON END WALL
AGG	AGGREGATE
BAD	BASE AGGREGATE DENSE
BM	BENCH MARK
C&G	CURB AND GUTTER
C/L	CENTER OR CONSTRUCTION LINE
CONC	CONCRETE
CP	CULVERT PIPE
CPCM	CULVERT PIPE CORRUGATED METAL
CPRC	CULVERT PIPE REINFORCED CONCRETE
CPRCHE	CULVERT PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL
CSCP	CORRUGATED STEEL CULVERT PIPE
CSPA	CORRUGATED STEEL PIPE ARCH
CSD	CONCRETE SURFACE DRAIN
CY	CUBIC-YARD
D	DEGREE OF CURVE
Δ	DELTA
DISCH	DISCHARGE
FE	FIELD ENTRANCE
HERCP	HORIZONTAL ELLIPTICAL REINFORCED CONCRETE PIPE
HMA	HOT MIX ASPHALT
INV	INVERT
L	LENGTH OF CURVE
LHF	LEFT HAND FORWARD
LT	LEFT
MIN	MINIMUM
M/L	MATCHLINE
NB	NORTHBOUND
NC	NORMAL CROWN
NTS	NOT TO SCALE
PAVT	PAVEMENT
PB	PULL BOX
PC	POINT-OF-CURVE
PCC	POINT OF COMPOUND CURVE
PE	PRIVATE ENTRANCE
PI	POINT OF INTERSECTION
PLE	PERMANENT LIMITED EASEMENT
PT	POINT OF TANGENT
PVC	POINT OF VERTICAL CURVE
PVI	POINT OF VERTICAL INTERSECTION
PVT	POINT OF VERTICAL TANGENT
R	RADIUS OF CURVE
R/L	REFERENCE LINE
R/W	RIGHT OF WAY
RAD	RADIUS
RC	REVERSE CROWN
RCAEW	APRON ENDWALL FOR CULVERT PIPE REINFORCED CONCRETE
RCHESS	REINFORCED CONCRETE HORIZONTAL ELLIPTICAL STORM SEWER
RCPSS	REINFORCED CONCRETE PIPE - STORM SEWER
REQD	REQUIRED
RHF	RIGHT HAND FORWARD
RO	RUN OFF LENGTH
RT	RIGHT
SALV	SALVAGED
SB	SIGNAL BASE
SDD	STANDARD DETAIL DRAWING
SE	SUPER ELEVATION
SF	SQUARE FOOT
STA	STATION
SY	SQUARE YARD
T	TANGENT LENGTH
TC	TOP OF CURB
TLE	TEMPORARY LIMITED EASEMENT

WISDOT

WISDOT SW PROJECT MANAGER
MR. DEREK POTTER, P.E.
2102 WRIGHT STREET
MADISON, WI 53704
(608) 246-3861
DEREK.POTTER@DOT.WI.GOV

DESIGN CONTACT

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MILWAUKEE, WI 53203
(414) 266-9127
JULIE.CHAPMAN@GRAEF-USA.COM

AGENCIES

CITY OF WISCONSIN DELLS
CHRIS TOLLAKSEN
300 LACROSSE ST
WISCONSIN DELLS, WI 53965
(608) 253-2542
CTOLLAKSEN@DELLSCITYGOV.COM

WISDOT SIGNALS & INTERCONNECT
COLLIN WEBB
4822 MADISON, WI 53705
(608) 789-9065
COLLIN.WEBB@DOT.WI.GOV

WISCONSIN DNR

ANDREW BARTA
101 S. WEBSTER STREET
BOX 7921
MADISON, WI 53707
(608) 235-2955
ANDREW.BARTA@WISCONSIN.GOV

OTHER CONTACTS

WISDOT SIGNALS/INTERCONNECT
COLLIN WEBB
4822 MADISON YARDS WAY
MADISON, WI 53705
(608) 789-9065
COLLIN.WEBB@DOT.WI.GOV

UTILITIES

ALLIANT ENERGY - ELECTRICITY
WP&L ROAD PLANS
4902 NORTH BILTMORE LANE
MADISON, WI 53718
(608) 458-3162
WPLROADPLANS@ALLIANTENERGY.COM

ALLIANT ENERGY - GAS/PETROLEUM
WP&L ROAD PLANS
4902 NORTH BILTMORE LANE
MADISON, WI 53718
(608) 458-3162
WPLROADPLANS@ALLIANTENERGY.COM

CITY OF WISCONSIN DELLS - ELECTRIC
CHRIS TOLLAKSEN
300 LACROSSE ST
WISCONSIN DELLS, WI 53965
(608) 253-2542
CTOLLAKSEN@DELLSCITYGOV.COM

CITY OF WISCONSIN DELLS - SEWER
CHRIS TOLLAKSEN
300 LACROSSE ST
WISCONSIN DELLS, WI 53965
(608) 253-2542
CTOLLAKSEN@DELLSCITYGOV.COM

CITY OF WISCONSIN DELLS - WATER
CHRIS TOLLAKSEN
300 LACROSSE ST
WISCONSIN DELLS, WI 53965
(608) 253-2542
CTOLLAKSEN@DELLSCITYGOV.COM

EVERSTREAM - COMMUNICATION LINE
WI-RELOCATIONS
324 E. WISCONSIN AVENUE, SUITE 730
MILWAUKEE, WI 53203
WI-RELOCATIONS@EVERSTREAM.NET

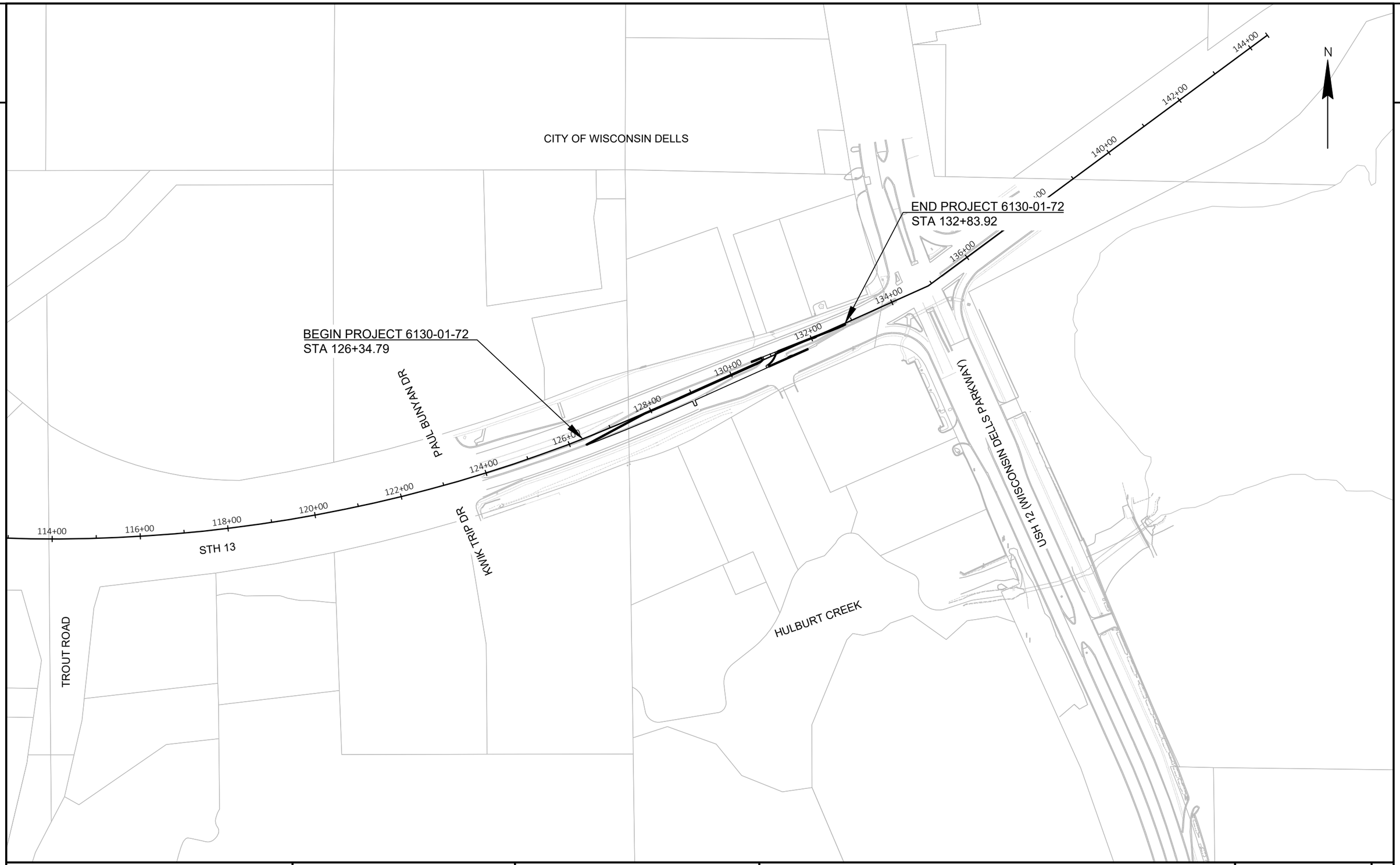
FRONTIER COM OFWI
CHRIS POLLACK
421 4TH ST
WAUSAU, WI 54403
(O) (715) 847-1240, (C) (715) 297-4773
CHRISTOPHER.POLLACK@FTR.COM

ORDER OF SECTION 2 SHEETS

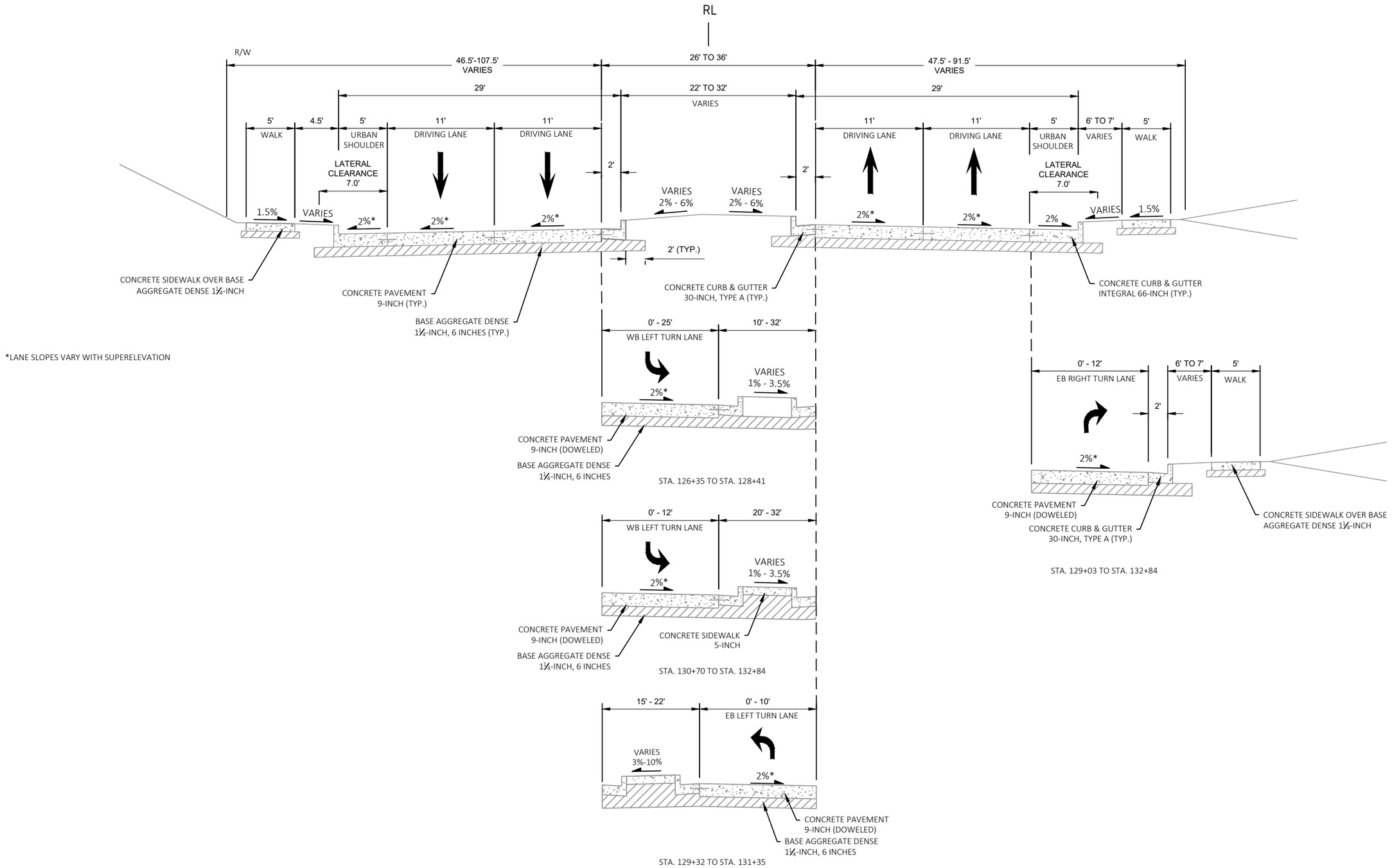
GENERAL NOTES
PROJECT OVERVIEW
TYPICAL SECTIONS
REMOVAL PLAN
PLAN DETAILS
JOINTING DETAILS
EROSION CONTROL
STORM SEWER
PERMANENT SIGNING
LIGHTING REMOVAL PLAN
LIGHTING PLAN
INTERCONNECT REMOVAL PLAN
INTERCONNECT PLAN
PAVEMENT MARKING
TRAFFIC CONTROL

DIGGERS HOTLINE
Dial 811 or (800) 242-8511
www.DiggersHotline.com

2



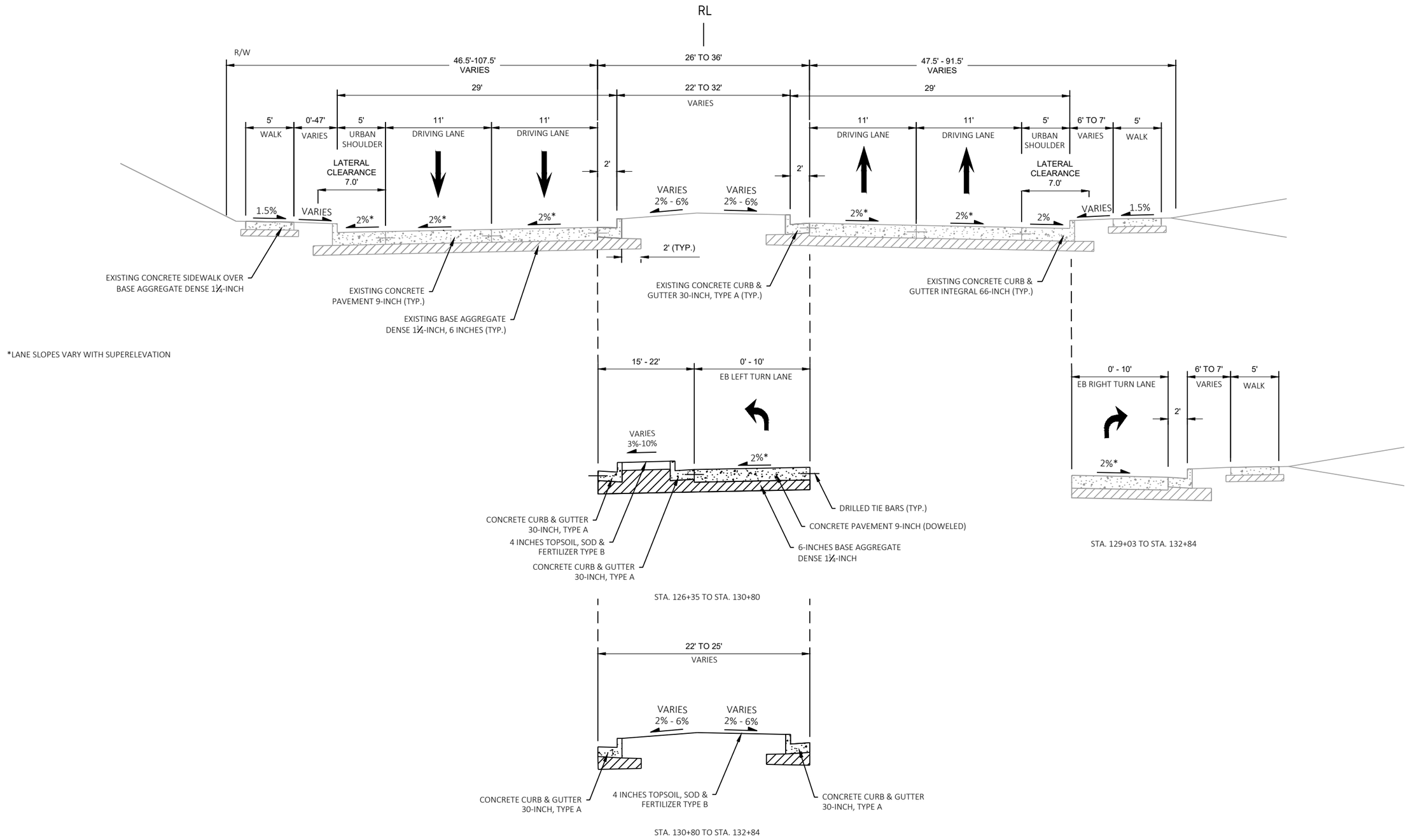
PROJECT NO: 6130-01-72	HWY: STH 13	COUNTY: SAUK	PROJECT OVERVIEW	SHEET 3	E



EXISTING TYPICAL SECTION

STA. 126+35 TO STA. 132+84

PROJECT NO: 6130-01-72	HWY: STH 13	COUNTY: SAUK	TYPICAL SECTIONS	SHEET 4	E



FINISHED TYPICAL SECTION

STA. 126+35 TO STA. 132+84

PROJECT NO: 6130-01-72	HWY: STH 13	COUNTY: SAUK	TYPICAL SECTIONS	SHEET 5	E

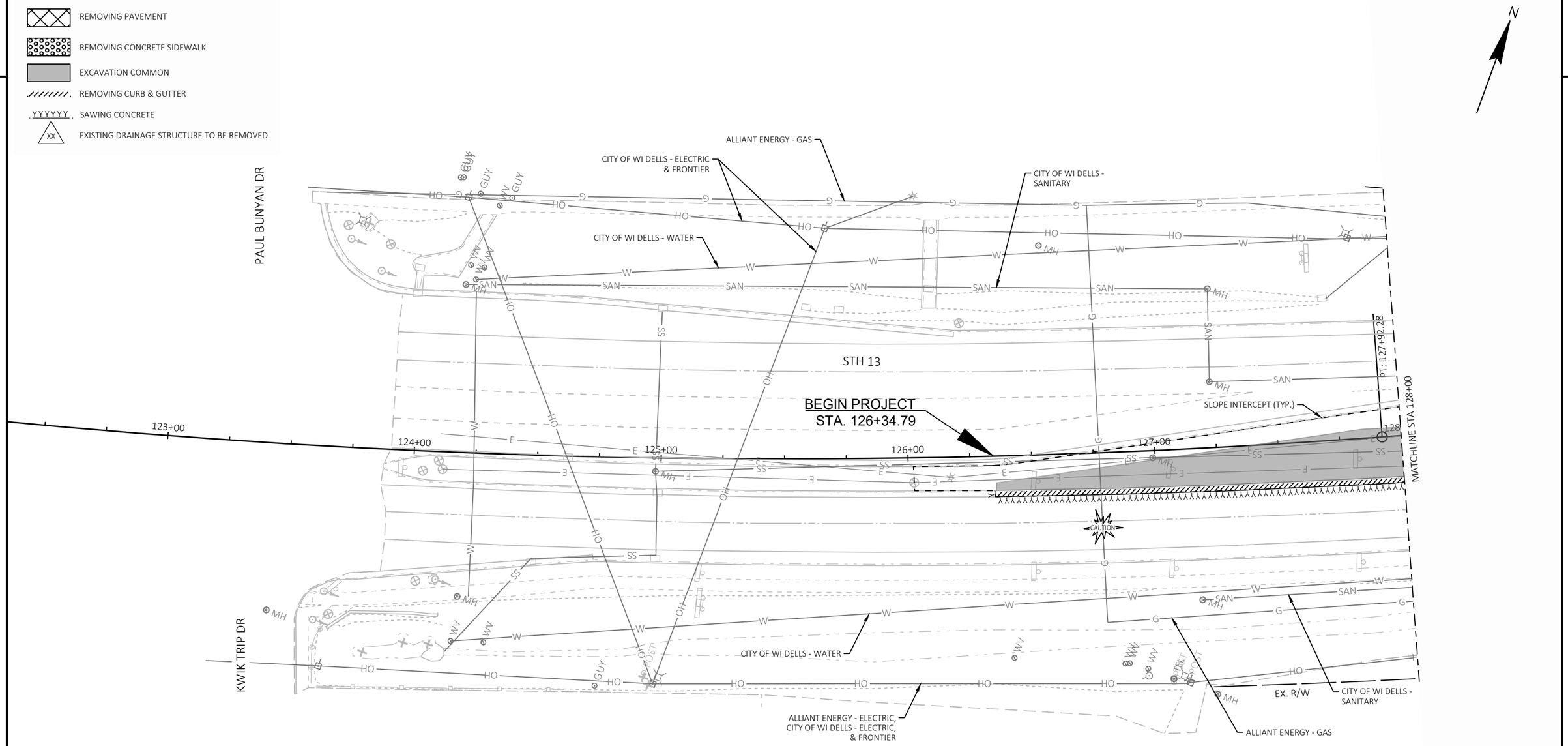
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PLOT BY : CHAPMAN, JULIE
PLOT NAME :
PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42

2

LEGEND

- REMOVING PAVEMENT
- REMOVING CONCRETE SIDEWALK
- EXCAVATION COMMON
- REMOVING CURB & GUTTER
- YYYYYY SAWING CONCRETE
- XX EXISTING DRAINAGE STRUCTURE TO BE REMOVED

NOTE: SEE LIGHTING REMOVAL PLAN AND INTERCONNECT REMOVAL PLAN FOR ADDITIONAL ITEMS TO BE REMOVED.



PROJECT NO: 6130-01-72	HWY: STH 13	COUNTY: SAUK	REMOVAL PLAN	SHEET 6	E

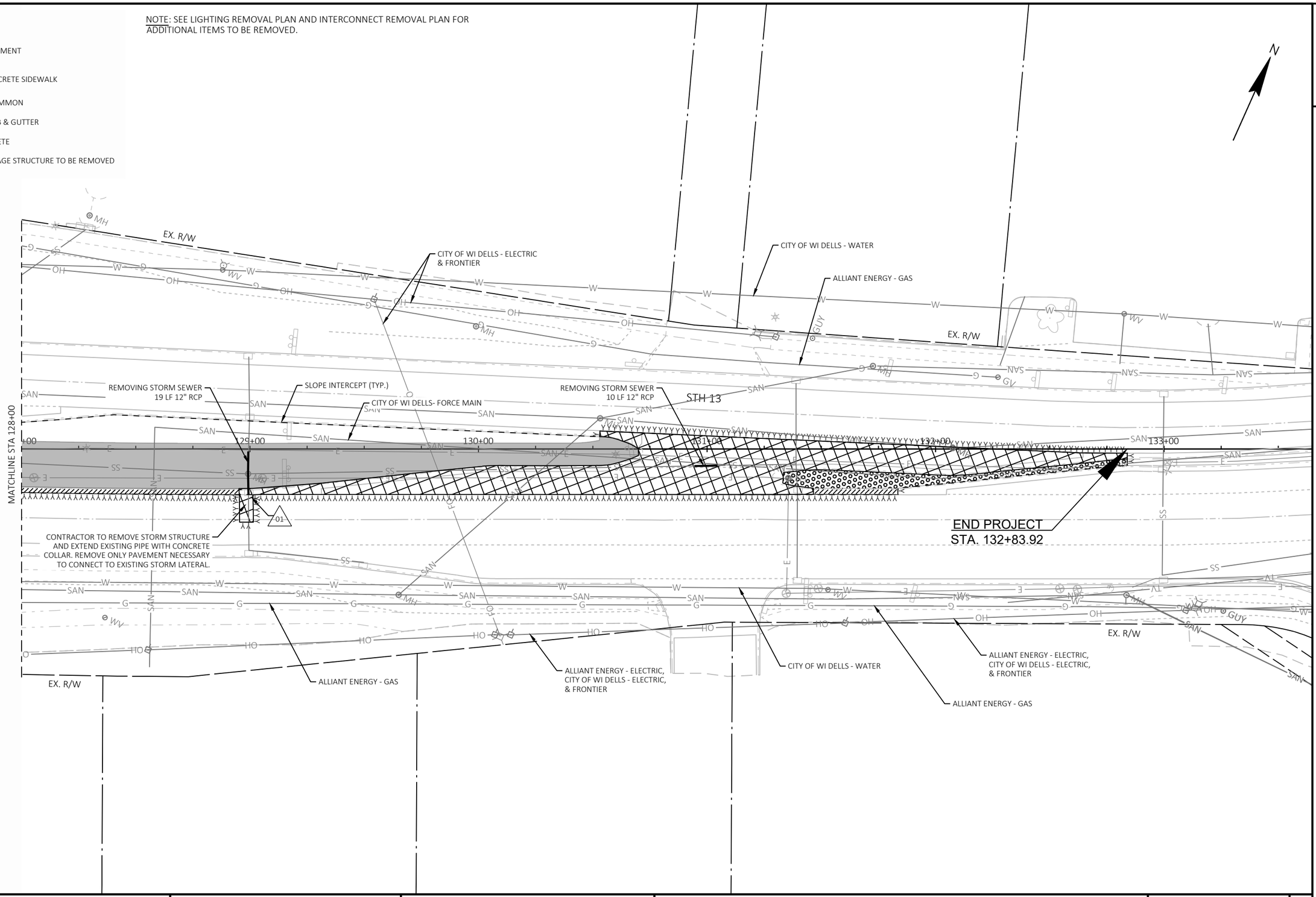
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PLOT DATE : 6/10/2025 2:44 PM
PLOT BY : CHAPMAN, JULIE
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

LEGEND

- REMOVING PAVEMENT
- REMOVING CONCRETE SIDEWALK
- EXCAVATION COMMON
- REMOVING CURB & GUTTER
- YYYYYY SAWING CONCRETE
- XX EXISTING DRAINAGE STRUCTURE TO BE REMOVED

NOTE: SEE LIGHTING REMOVAL PLAN AND INTERCONNECT REMOVAL PLAN FOR ADDITIONAL ITEMS TO BE REMOVED.

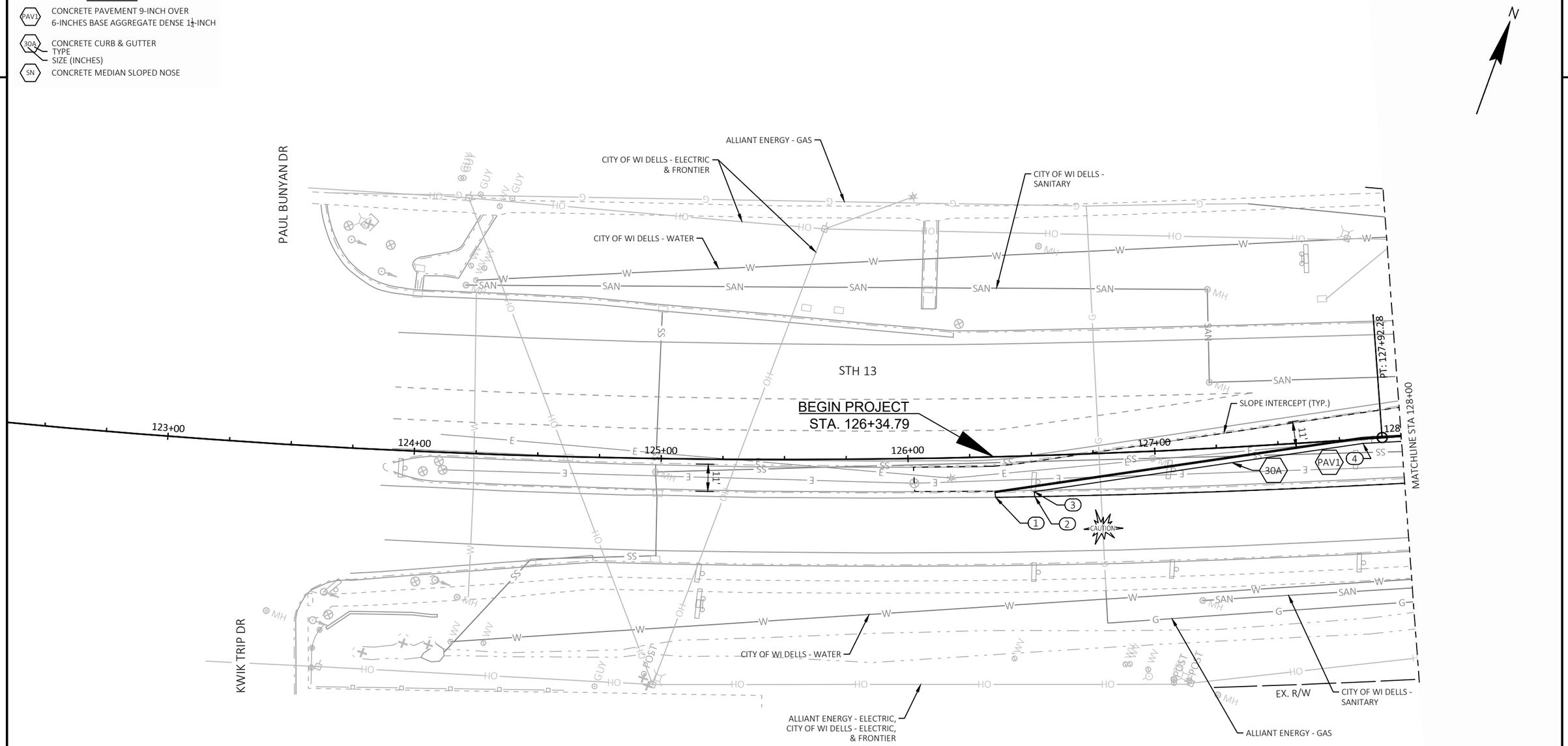


PROJECT NO: 6130-01-72	HWY: STH 13	COUNTY: SAUK	REMOVAL PLAN	SHEET 7	E

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PLOT DATE : 6/10/2025 2:45 PM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

LEGEND

- PAV1 — CONCRETE PAVEMENT 9-INCH OVER 6-INCHES BASE AGGREGATE DENSE 1¼-INCH
- 30A — CONCRETE CURB & GUTTER; TYPE; SIZE (INCHES)
- SN — CONCRETE MEDIAN SLOPED NOSE



POINT NUMBER	STATION	OFFSET	DESCRIPTION
1	126+35.09	16.42' RT	SAWCUT, MATCH EXISTING, BEGIN C&G, BEGIN EXTENDED GUTTER
2	126+50.89	16.55' RT	END EXTENDED GUTTER
3	126+50.66	14.57' RT	BEGIN TAPER
4	127+84.38	1.80' RT	END TAPER

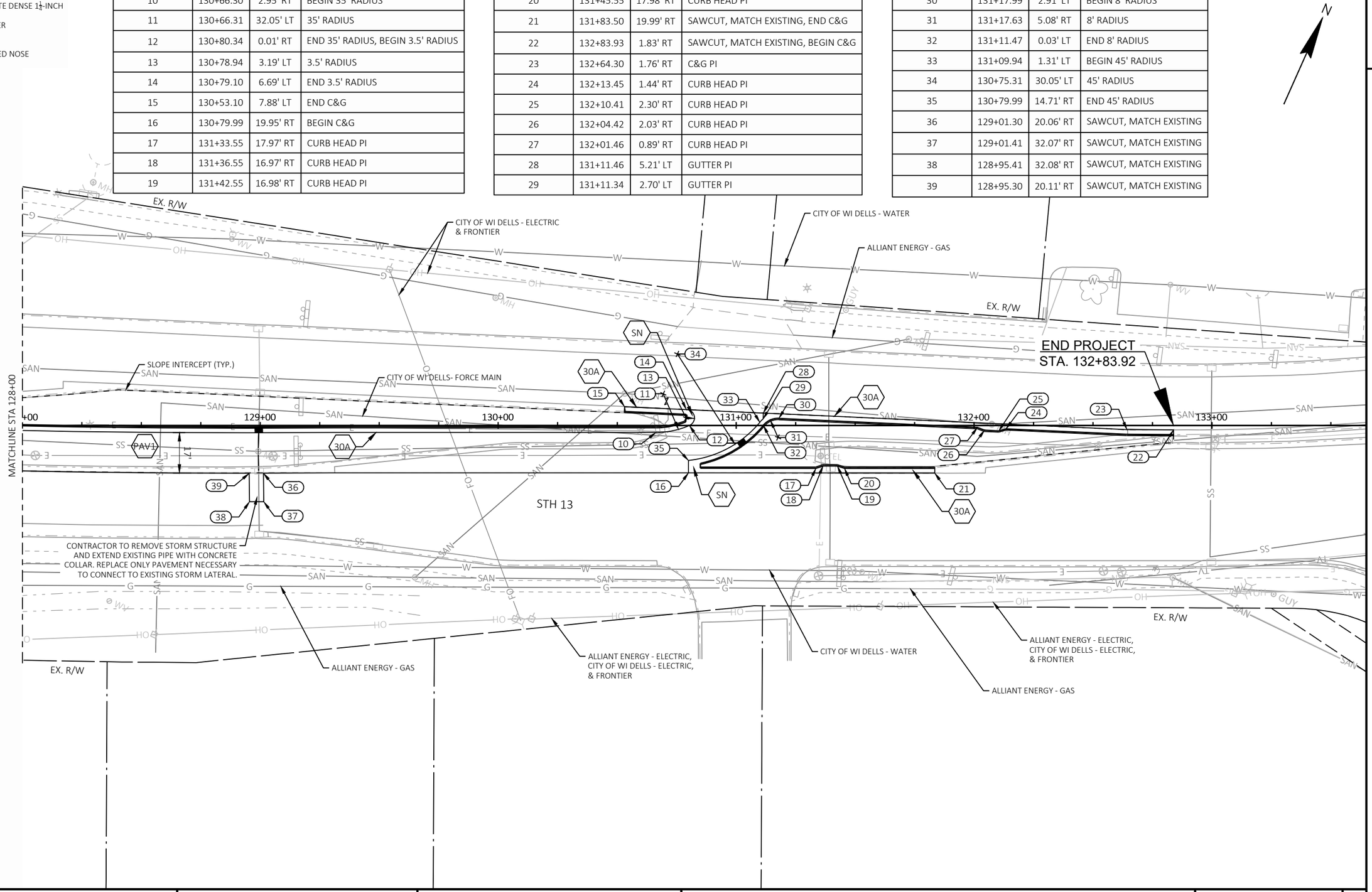
LEGEND

- PAV1 — CONCRETE PAVEMENT 9-INCH OVER 6-INCHES BASE AGGREGATE DENSE 1¼-INCH
- 30A — CONCRETE CURB & GUTTER TYPE
- SIZE (INCHES)
- SN — CONCRETE MEDIAN SLOPED NOSE

POINT NUMBER	STATION	OFFSET	DESCRIPTION
10	130+66.30	2.95' RT	BEGIN 35' RADIUS
11	130+66.31	32.05' LT	35' RADIUS
12	130+80.34	0.01' RT	END 35' RADIUS, BEGIN 3.5' RADIUS
13	130+78.94	3.19' LT	3.5' RADIUS
14	130+79.10	6.69' LT	END 3.5' RADIUS
15	130+53.10	7.88' LT	END C&G
16	130+79.99	19.95' RT	BEGIN C&G
17	131+33.55	17.97' RT	CURB HEAD PI
18	131+36.55	16.97' RT	CURB HEAD PI
19	131+42.55	16.98' RT	CURB HEAD PI

POINT NUMBER	STATION	OFFSET	DESCRIPTION
20	131+45.55	17.98' RT	CURB HEAD PI
21	131+83.50	19.99' RT	SAWCUT, MATCH EXISTING, END C&G
22	132+83.93	1.83' RT	SAWCUT, MATCH EXISTING, BEGIN C&G
23	132+64.30	1.76' RT	C&G PI
24	132+13.45	1.44' RT	CURB HEAD PI
25	132+10.41	2.30' RT	CURB HEAD PI
26	132+04.42	2.03' RT	CURB HEAD PI
27	132+01.46	0.89' RT	CURB HEAD PI
28	131+11.46	5.21' LT	GUTTER PI
29	131+11.34	2.70' LT	GUTTER PI

POINT NUMBER	STATION	OFFSET	DESCRIPTION
30	131+17.99	2.91' LT	BEGIN 8' RADIUS
31	131+17.63	5.08' RT	8' RADIUS
32	131+11.47	0.03' LT	END 8' RADIUS
33	131+09.94	1.31' LT	BEGIN 45' RADIUS
34	130+75.31	30.05' LT	45' RADIUS
35	130+79.99	14.71' RT	END 45' RADIUS
36	129+01.30	20.06' RT	SAWCUT, MATCH EXISTING
37	129+01.41	32.07' RT	SAWCUT, MATCH EXISTING
38	128+95.41	32.08' RT	SAWCUT, MATCH EXISTING
39	128+95.30	20.11' RT	SAWCUT, MATCH EXISTING



PROJECT NO: 6130-01-72	HWY: STH 13	COUNTY: SAUK	PLAN DETAILS	SHEET 9	E

2

2

LEGEND

XXX.XX PROPOSED ELEVATION
(XXX.XX) EXISTING ELEVATION

N

PAUL BUNYAN DR

STH-13

BEGIN PROJECT
STA. 126+34.79

SLOPE INTERCEPT (TYP.)

PT: 127+92.28

MATCHLINE STA 128+00

123+00 124+00 125+00 126+00 127+00 128

MH MH

(830.90) (831.09) (831.14) 831.18 (831.21) 831.11 (831.23) 830.99 (831.21) 830.83 (831.10) 830.65 (830.97) 830.50 (830.84)

KWIK TRIP DR

POST POST POST

EX. R/W

PROJECT NO: 6130-01-72	HWY: STH 13	COUNTY: SAUK	PAVING GRADES	SHEET 10	E

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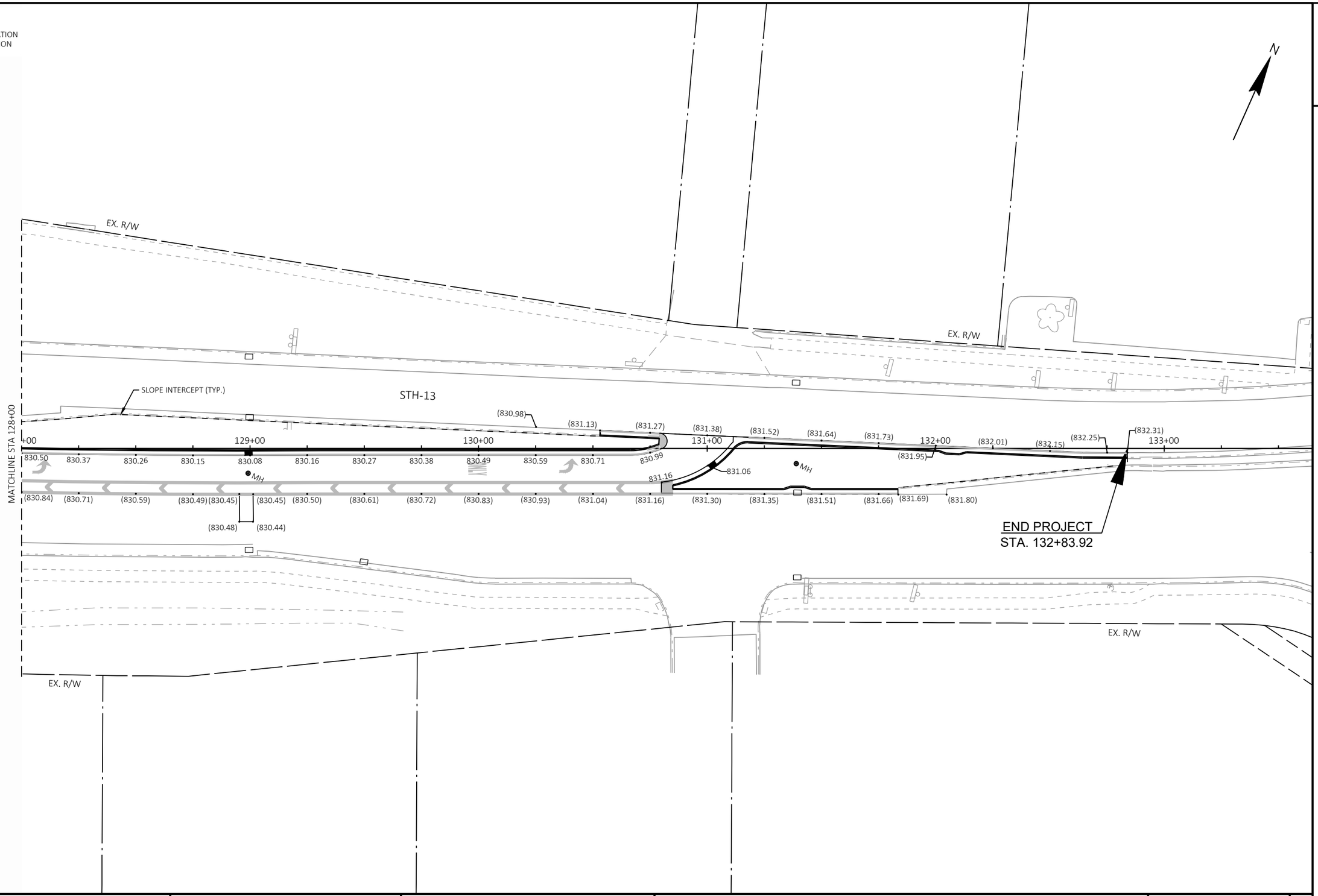
PLOT DATE : 6/10/2025 2:47 PM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

XXX.XX PROPOSED ELEVATION
(XXX.XX) EXISTING ELEVATION

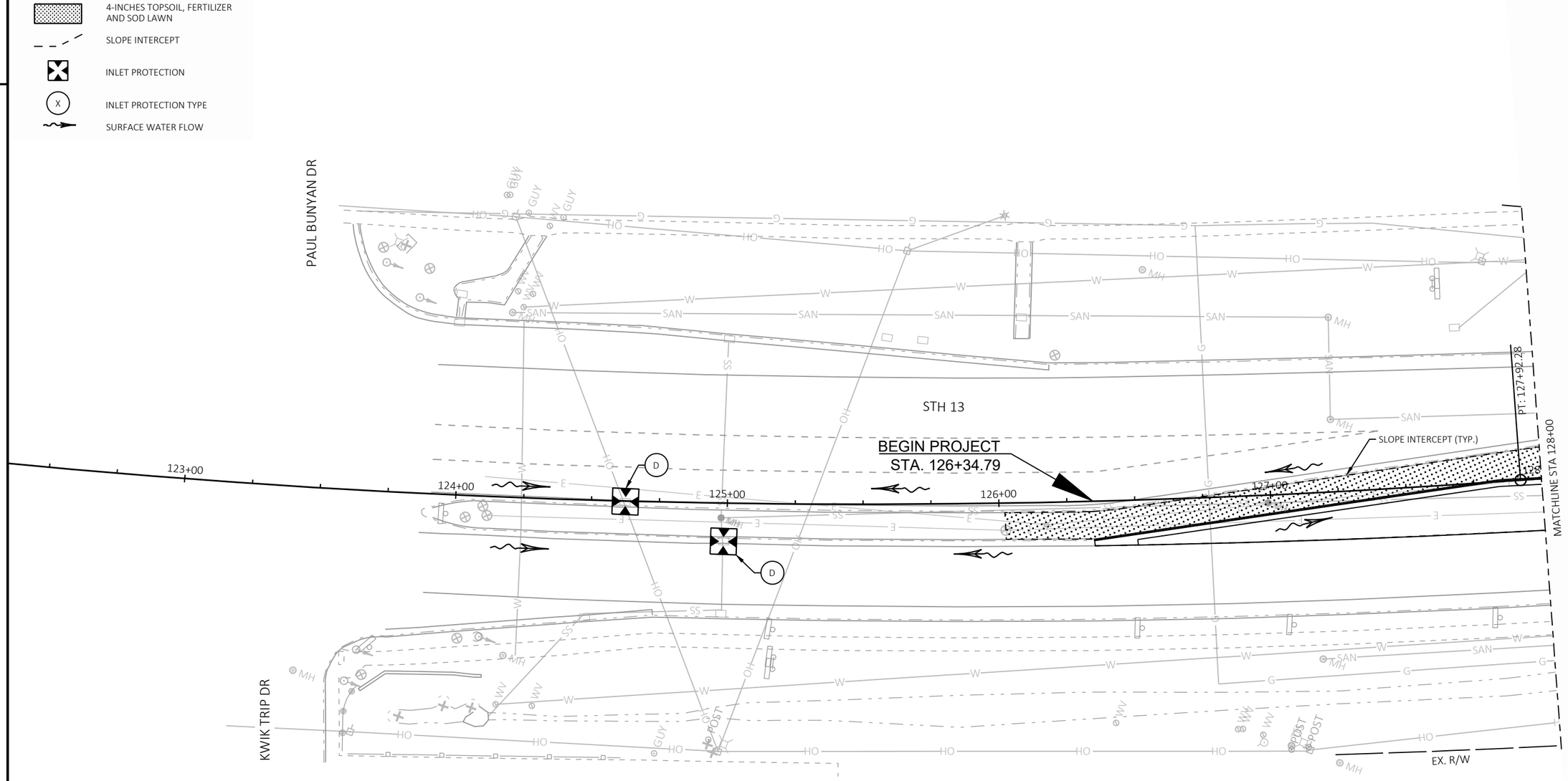


PROJECT NO: 6130-01-72	HWY: STH 13	COUNTY: SAUK	PAVING GRADES	SHEET 11	E

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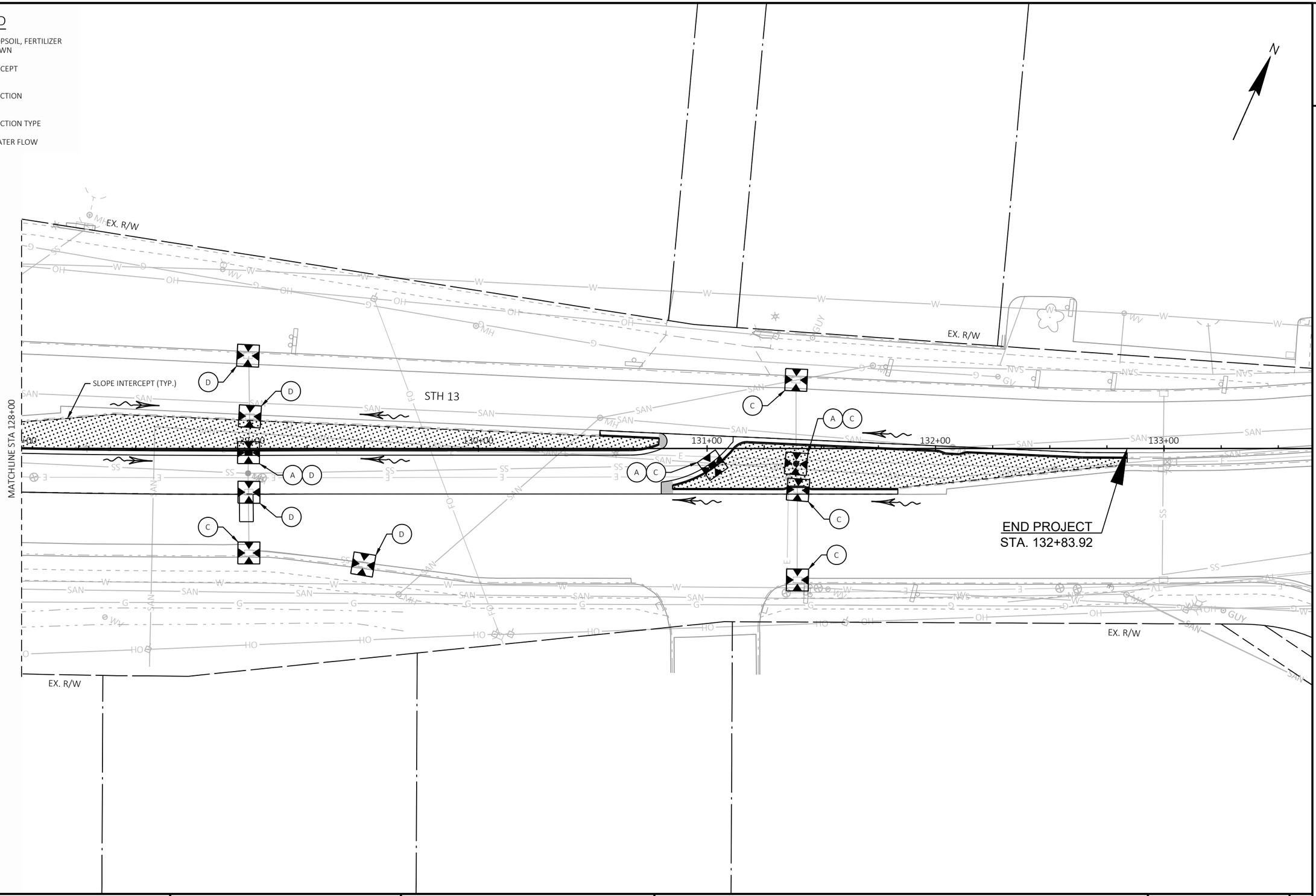
LEGEND

- 4-INCHES TOPSOIL, FERTILIZER AND SOD LAWN
- SLOPE INTERCEPT
- INLET PROTECTION
- (X) INLET PROTECTION TYPE
- SURFACE WATER FLOW



LEGEND

- 4-INCHES TOPSOIL, FERTILIZER AND SOD LAWN
- SLOPE INTERCEPT
- INLET PROTECTION
- (X) INLET PROTECTION TYPE
- SURFACE WATER FLOW



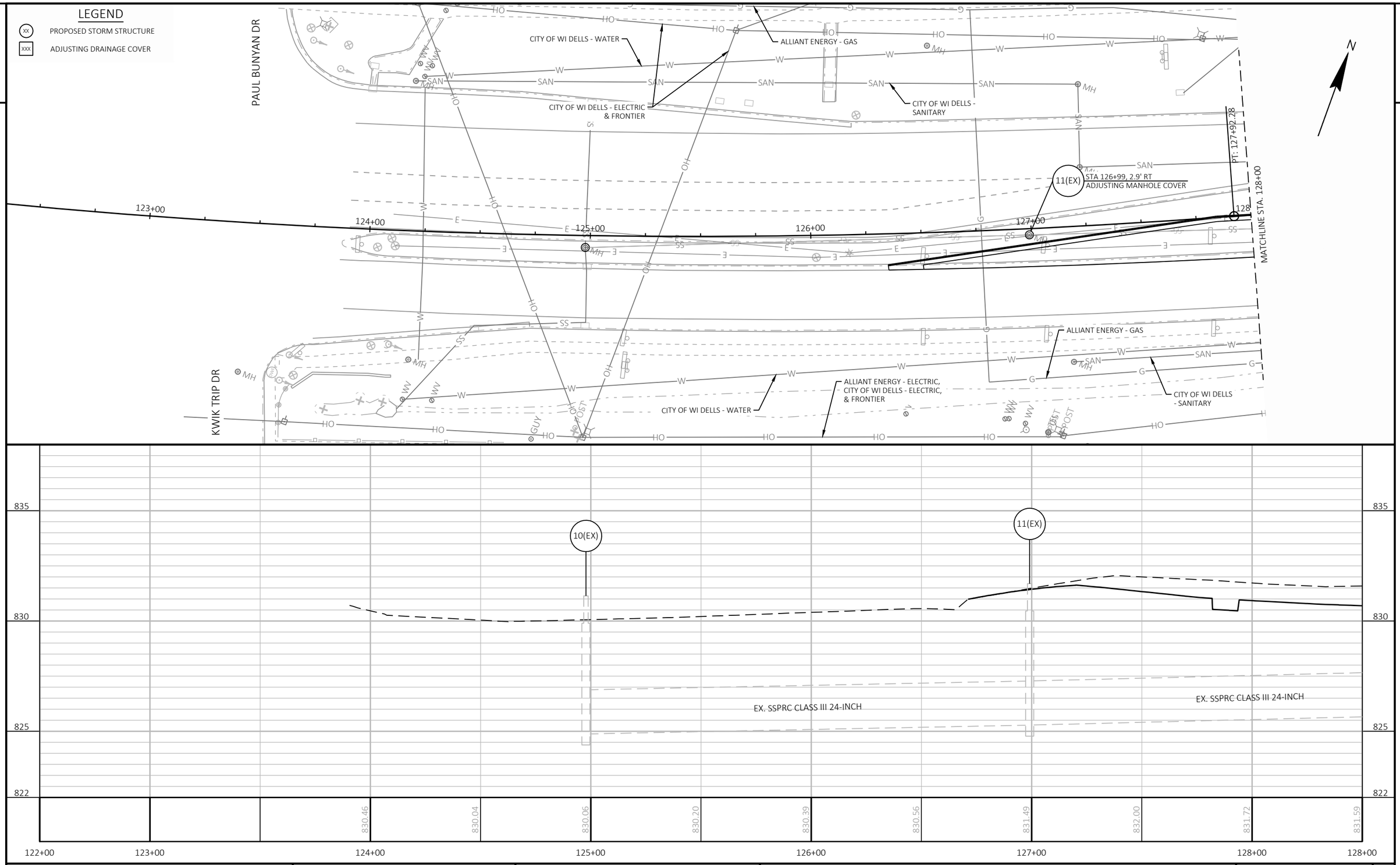
PROJECT NO: 6130-01-72	HWY: STH 13	COUNTY: SAUK	EROSION CONTROL PLAN	SHEET 13	E

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LAYOUT NAME - 022002_ec
PLOT DATE : 6/10/2025 2:48 PM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:40 FT

LEGEND

(XX) PROPOSED STORM STRUCTURE

[XXX] ADJUSTING DRAINAGE COVER



PROJECT NO: 6130-01-72	HWY: STH 13	COUNTY: SAUK	STORM SEWER	SHEET 14	E

LEGEND

(XX) PROPOSED STORM STRUCTURE

[XXX] ADJUSTING DRAINAGE COVER

MATCHLINE STA. 128+00

12A(EX) STA 128+99, 40.2' LT EXIST INLET

12B(EX) STA 129+00, 13.7' LT EXIST INLET

12(EX) STA 128+99, 10.9' RT RECONSTRUCTING MANHOLES

12C STA 128+99, 1.8' RT INLETS 2x3-H-S

CONCRETE COLLAR

12D(EX) STA 129+00, 44.4' RT EXIST INLET

12E(EX) STA 129+50, 49.6' RT EXIST INLET

13 STA 131+02, 7.3' RT INLETS 2x3-H

14(EX) STA 131+39, 6.6' RT TYPE J COVER

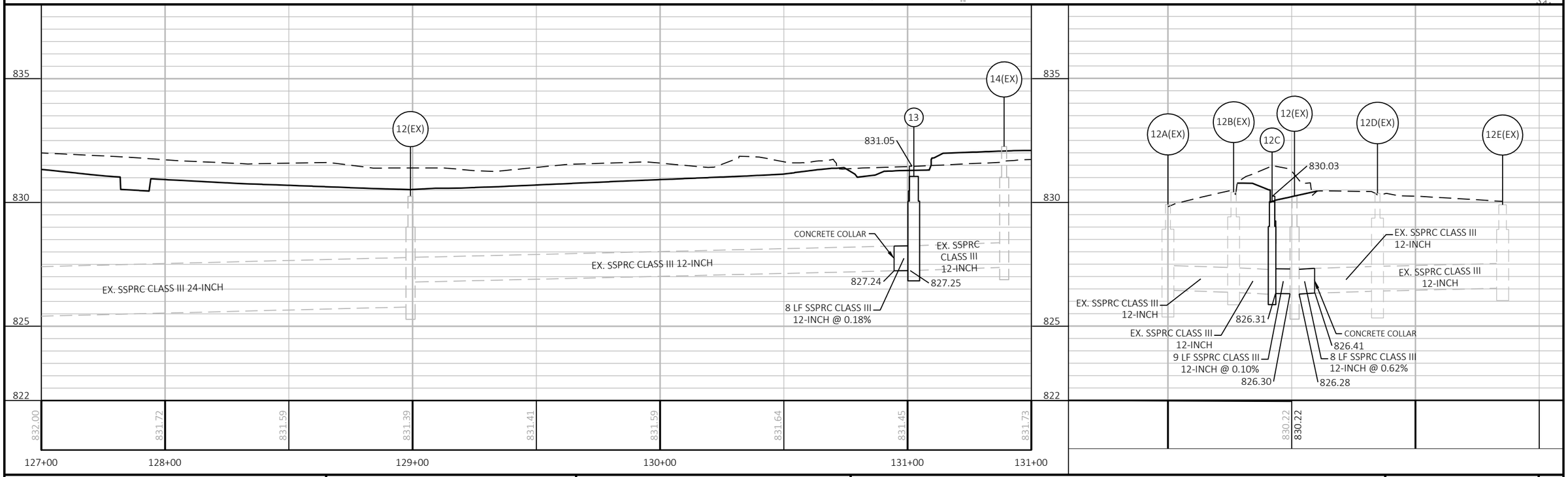
14B(EX) STA 131+40, 19.3' RT ADJUSTING INLET COVER

CITY OF WI DELLS - ELECTRIC & FRONTIER

CITY OF WI DELLS - WATER

ALLIANT ENERGY - GAS

ALLIANT ENERGY - ELECTRIC, CITY OF WI DELLS - ELECTRIC, & FRONTIER



PROJECT NO: 6130-01-72	HWY: STH 13	COUNTY: SAUK	STORM SEWER	SHEET 15	E

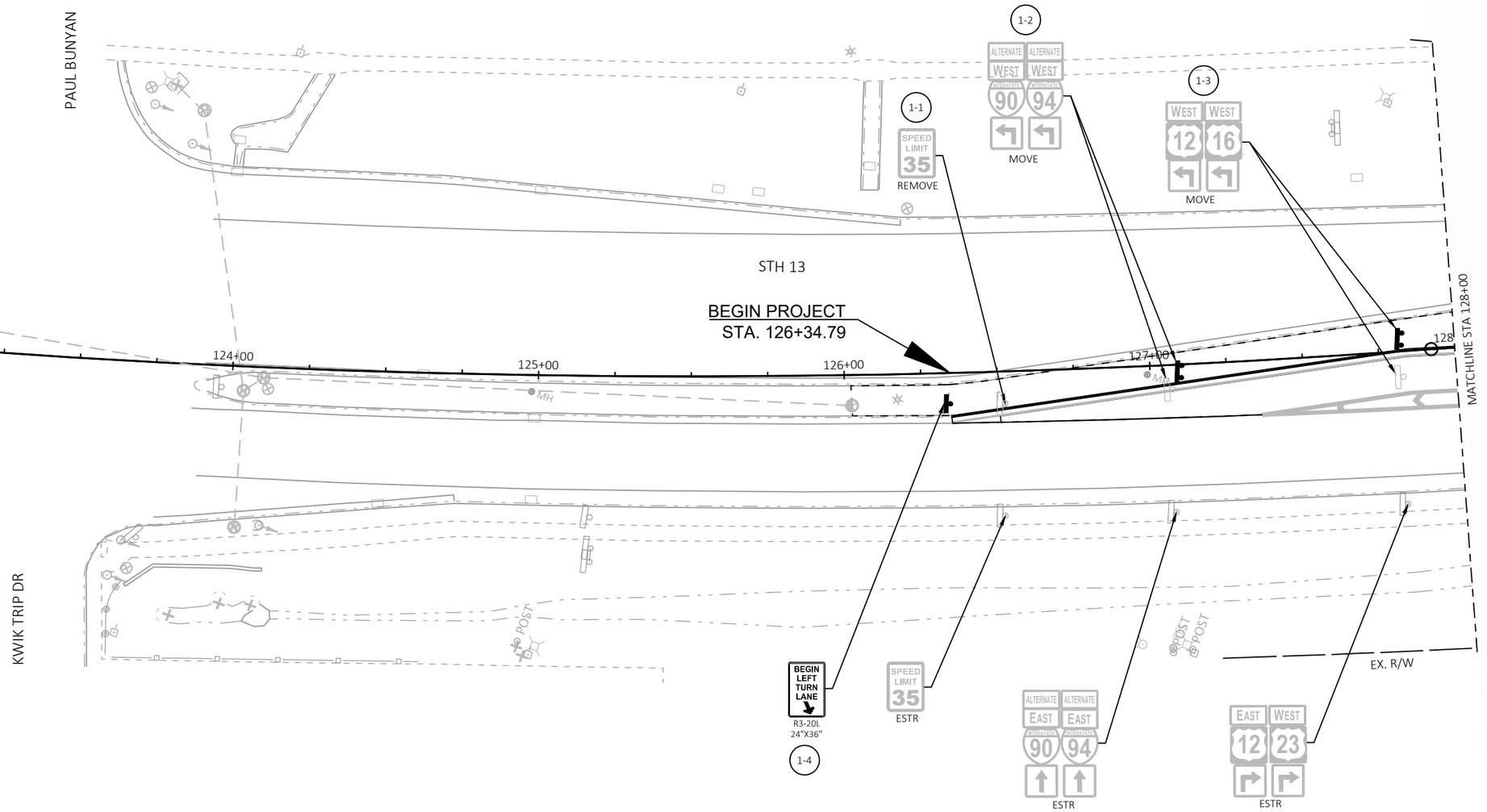
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LAYOUT NAME - 022502_ss

PLOT DATE : 8/25/2025 10:51 AM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

SIGNING LEGEND

- EXISTING SIGN MOUNTED ON POST
- EXISTING SIGN MOUNTED ON UTILITY/LIGHT POLE
- PROPOSED SIGN MOUNTED ON POST
- PROPOSED SING MOUNTED ON UTILITY/LIGHT POLE
- ESTR EXISTING SIGN TO REMAIN
- (X) SIGN NUMBER
- (X) SIGN SIZE



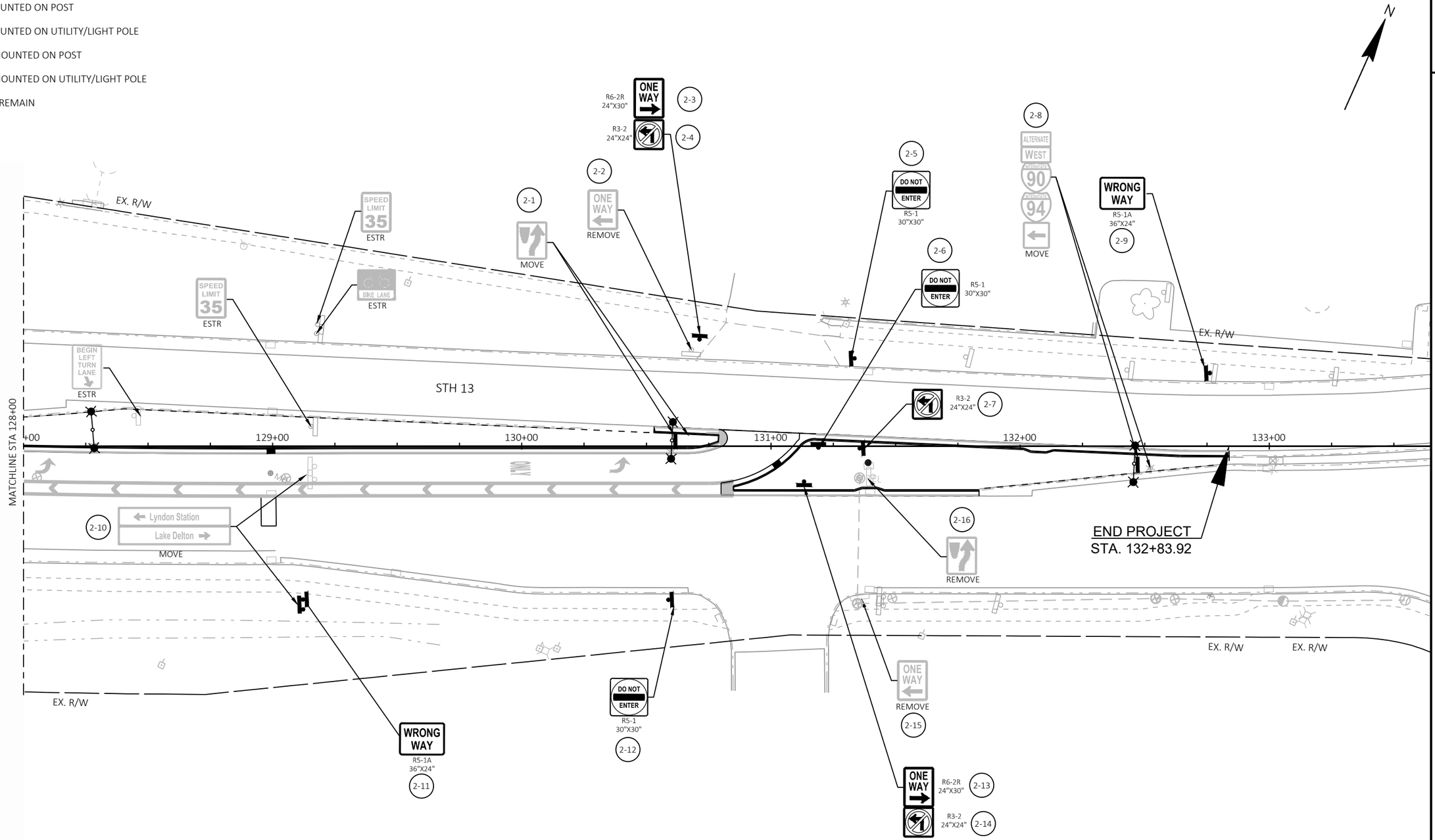
PROJECT NO: 6130-01-72	HWY: STH 13	COUNTY: SAUK	PERMANENT SIGNING	SHEET 16	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6130-01-02\023201_PS.DWG
LAYOUT NAME - 023201_ps
PLOT DATE : 6/10/2025 2:50 PM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

SIGNING LEGEND

- EXISTING SIGN MOUNTED ON POST
- EXISTING SIGN MOUNTED ON UTILITY/LIGHT POLE
- PROPOSED SIGN MOUNTED ON POST
- PROPOSED SING MOUNTED ON UTILITY/LIGHT POLE
- ESTR EXISTING SIGN TO REMAIN
- (X) SIGN NUMBER
- (X) SIGN SIZE



NOTE:
CONTRACTOR TO INSTALL NEW PERMANENT SIGNS 2-3, 2-4, 2-5, 2-12, 2-13, AND 2-14 UPON INSTALLATION OF TRAFFIC CONTROL DEVICES.

PROJECT NO: 6130-01-72	HWY: STH 13	COUNTY: SAUK	PERMANENT SIGNING	SHEET 17	E

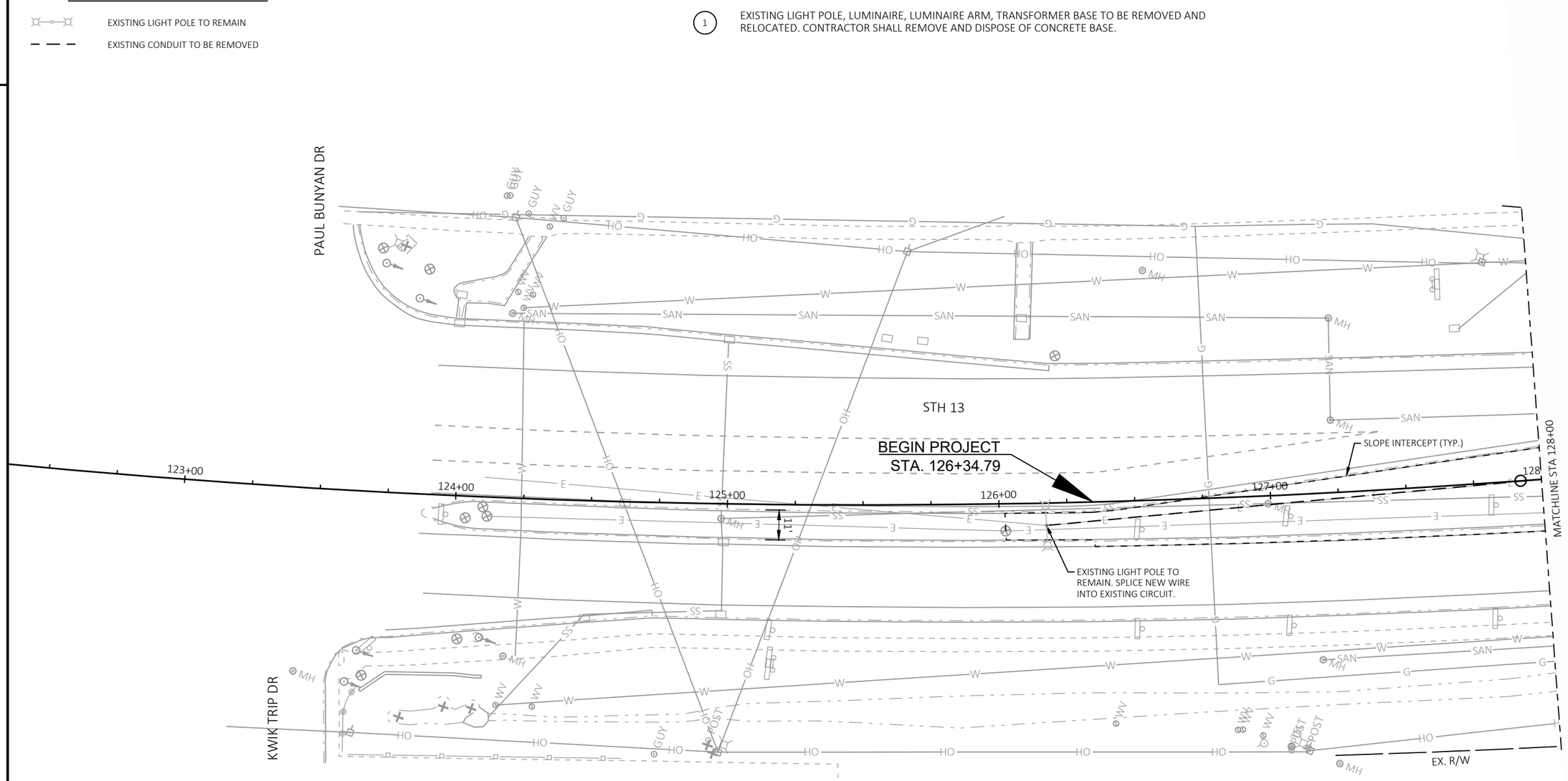
LIGHTING REMOVAL LEGEND

EXISTING LIGHT POLE TO REMAIN

EXISTING CONDUIT TO BE REMOVED

KEYED NOTES

(1) EXISTING LIGHT POLE, LUMINAIRE, LUMINAIRE ARM, TRANSFORMER BASE TO BE REMOVED AND RELOCATED. CONTRACTOR SHALL REMOVE AND DISPOSE OF CONCRETE BASE.



PROJECT NO: 6130-01-72	HWY: STH 13	COUNTY: SAUK	LIGHTING REMOVAL PLAN	SHEET 18	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6130-01-02\023401_LR.DWG
LAYOUT NAME - 023601_lr

PLOT DATE : 6/10/2025 2:51 PM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

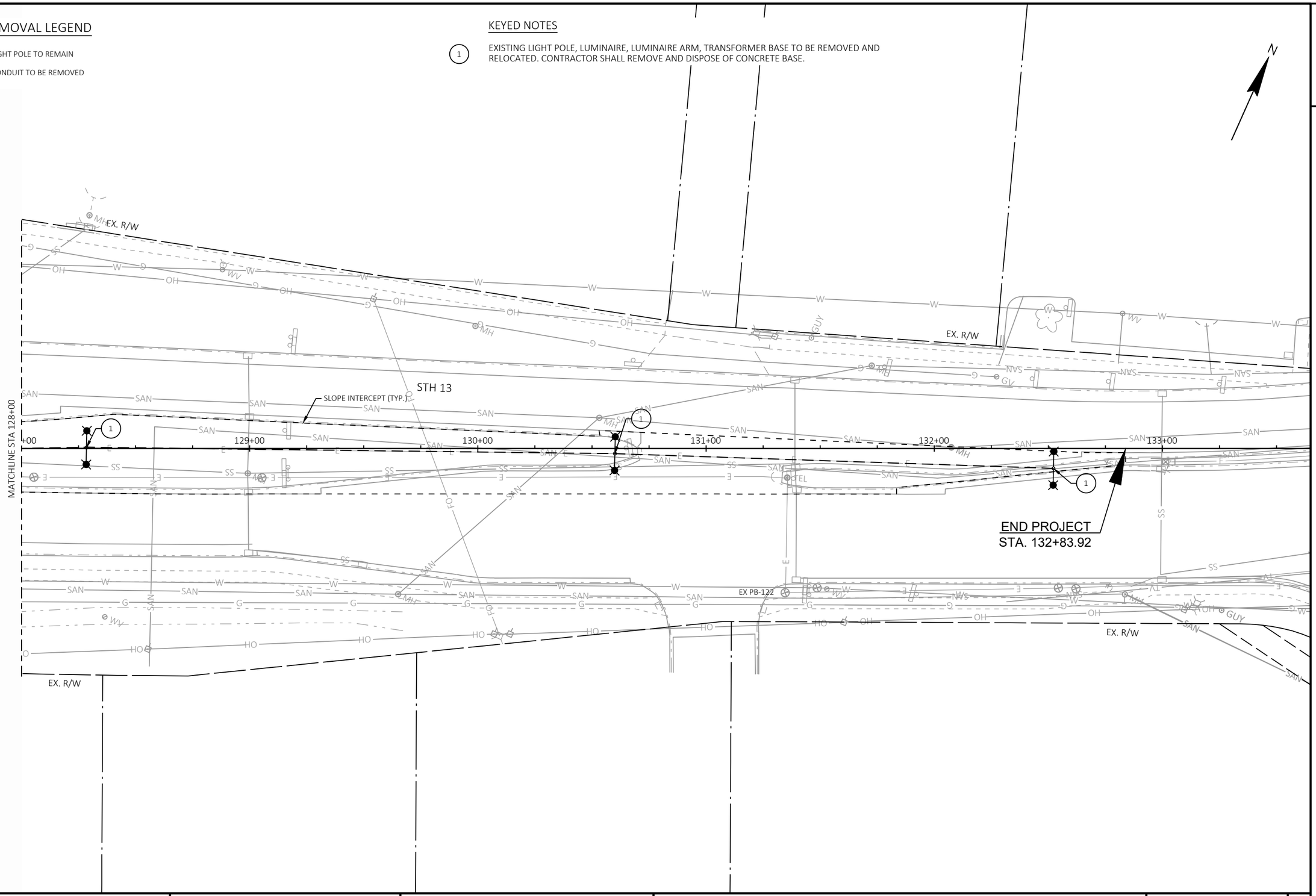
LIGHTING REMOVAL LEGEND

EXISTING LIGHT POLE TO REMAIN

EXISTING CONDUIT TO BE REMOVED

KEYED NOTES

(1) EXISTING LIGHT POLE, LUMINAIRE, LUMINAIRE ARM, TRANSFORMER BASE TO BE REMOVED AND RELOCATED. CONTRACTOR SHALL REMOVE AND DISPOSE OF CONCRETE BASE.



2

PROJECT NO: 6130-01-72	HWY: STH 13	COUNTY: SAUK	LIGHTING REMOVAL PLAN	SHEET 19	E

LIGHTING LEGEND

SALVAGE AND RELOCATE EXISTING LIGHT POLE, DUAL ARM AND FIXTURES WITH NEW CONCRETE BASE

CONDUIT (SEE CABLE AND CONDUIT LEGEND)

STA. 130+00.0, 5.0' LT — LOCATION (TO CENTER OF POLE)

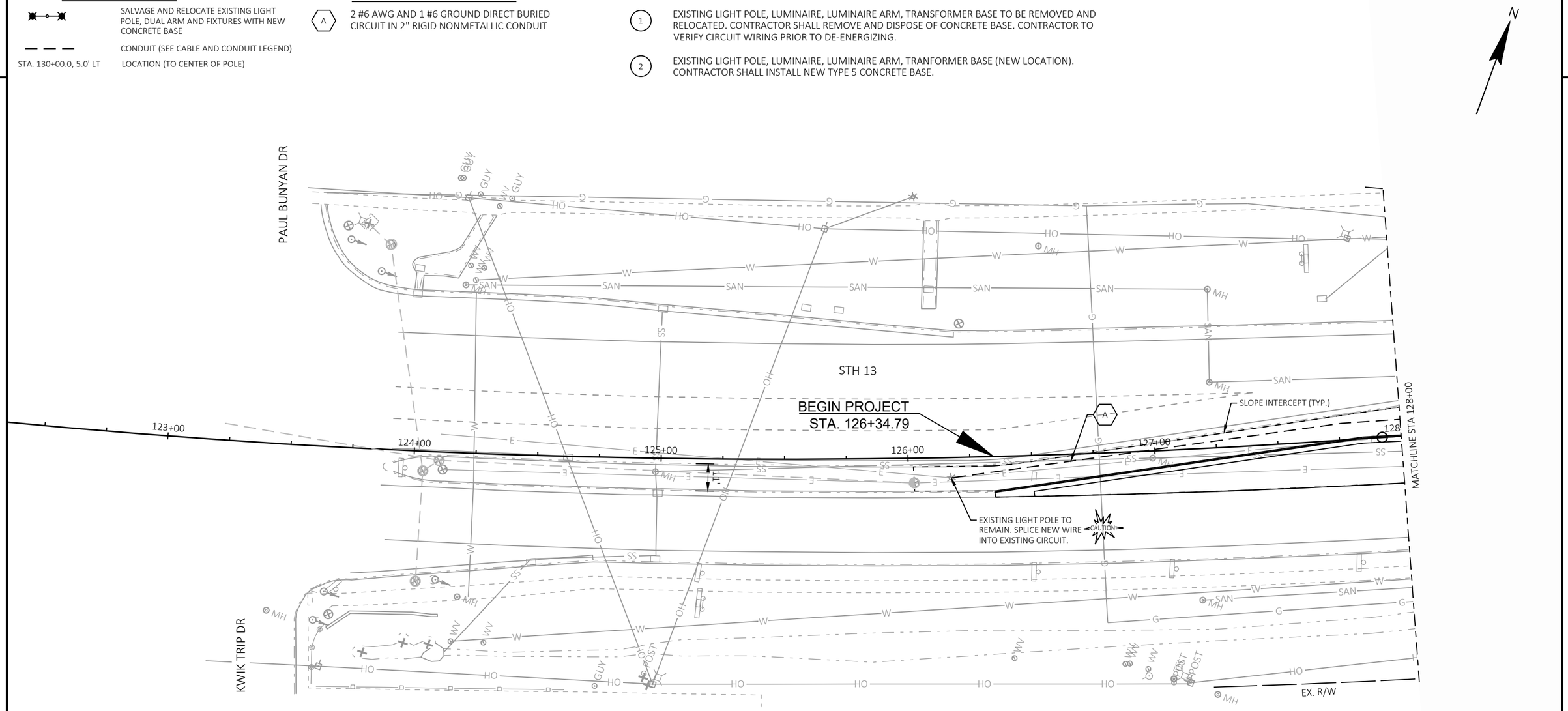
CABLE AND CONDUIT LEGEND

(A) 2 #6 AWG AND 1 #6 GROUND DIRECT BURIED CIRCUIT IN 2" RIGID NONMETALLIC CONDUIT

KEYED NOTES

(1) EXISTING LIGHT POLE, LUMINAIRE, LUMINAIRE ARM, TRANSFORMER BASE TO BE REMOVED AND RELOCATED. CONTRACTOR SHALL REMOVE AND DISPOSE OF CONCRETE BASE. CONTRACTOR TO VERIFY CIRCUIT WIRING PRIOR TO DE-ENERGIZING.

(2) EXISTING LIGHT POLE, LUMINAIRE, LUMINAIRE ARM, TRANFORMER BASE (NEW LOCATION). CONTRACTOR SHALL INSTALL NEW TYPE 5 CONCRETE BASE.



PROJECT NO: 6130-01-72	HWY: STH 13	COUNTY: SAUK	LIGHTING PLAN	SHEET 20	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6130-01-02\023601_LP.DWG
LAYOUT NAME - 023601_lp

PLOT DATE : 6/10/2025 2:52 PM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:40 FT

LIGHTING LEGEND

SALVAGE AND RELOCATE EXISTING LIGHT POLE, DUAL ARM AND FIXTURES WITH NEW CONCRETE BASE

CONDUIT (SEE CABLE AND CONDUIT LEGEND)

STA. 130+00.0, 5.0' LT — LOCATION (TO CENTER OF POLE)

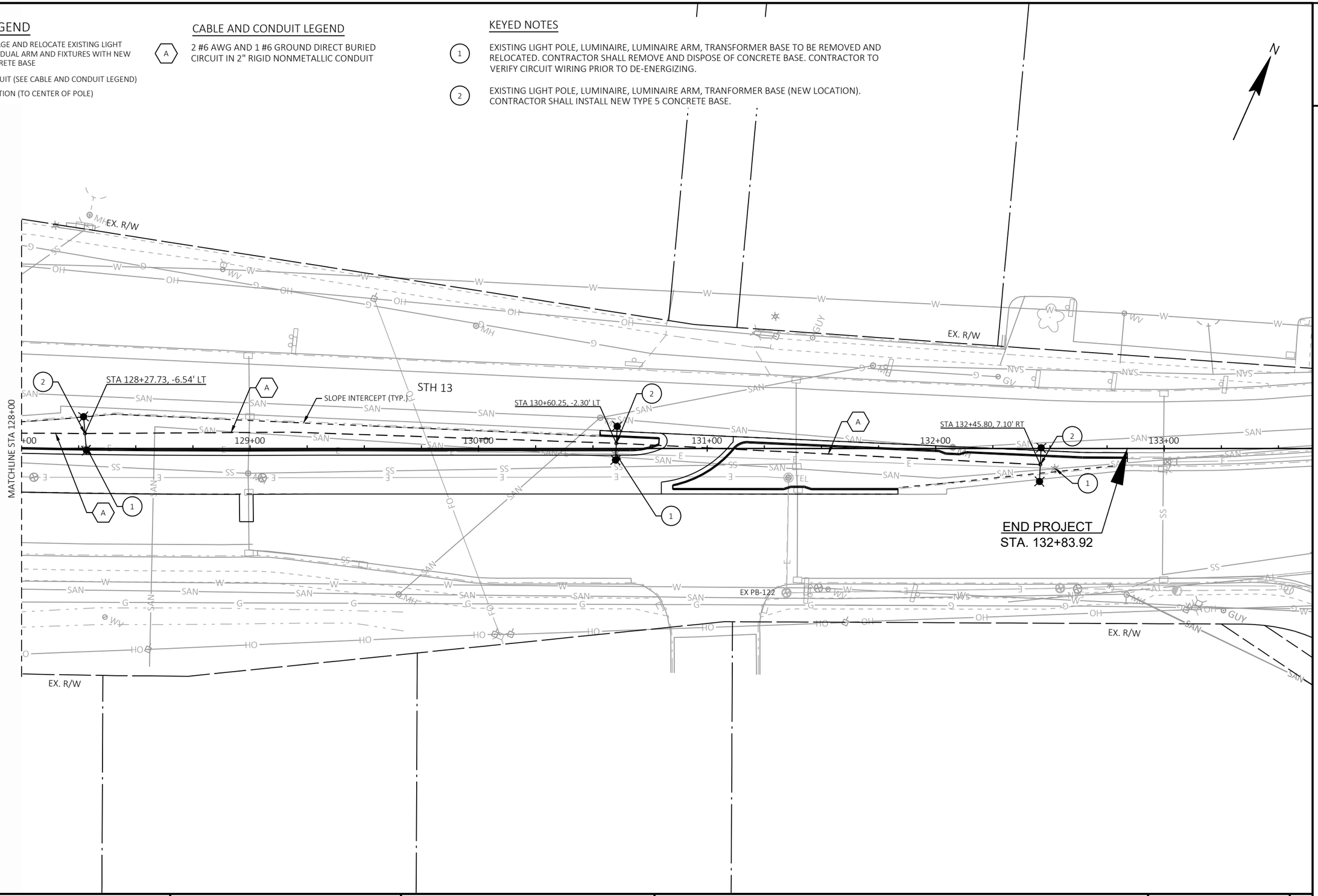
CABLE AND CONDUIT LEGEND

(A) 2 #6 AWG AND 1 #6 GROUND DIRECT BURIED CIRCUIT IN 2" RIGID NONMETALLIC CONDUIT

KEYED NOTES

(1) EXISTING LIGHT POLE, LUMINAIRE, LUMINAIRE ARM, TRANSFORMER BASE TO BE REMOVED AND RELOCATED. CONTRACTOR SHALL REMOVE AND DISPOSE OF CONCRETE BASE. CONTRACTOR TO VERIFY CIRCUIT WIRING PRIOR TO DE-ENERGIZING.

(2) EXISTING LIGHT POLE, LUMINAIRE, LUMINAIRE ARM, TRANFORMER BASE (NEW LOCATION). CONTRACTOR SHALL INSTALL NEW TYPE 5 CONCRETE BASE.

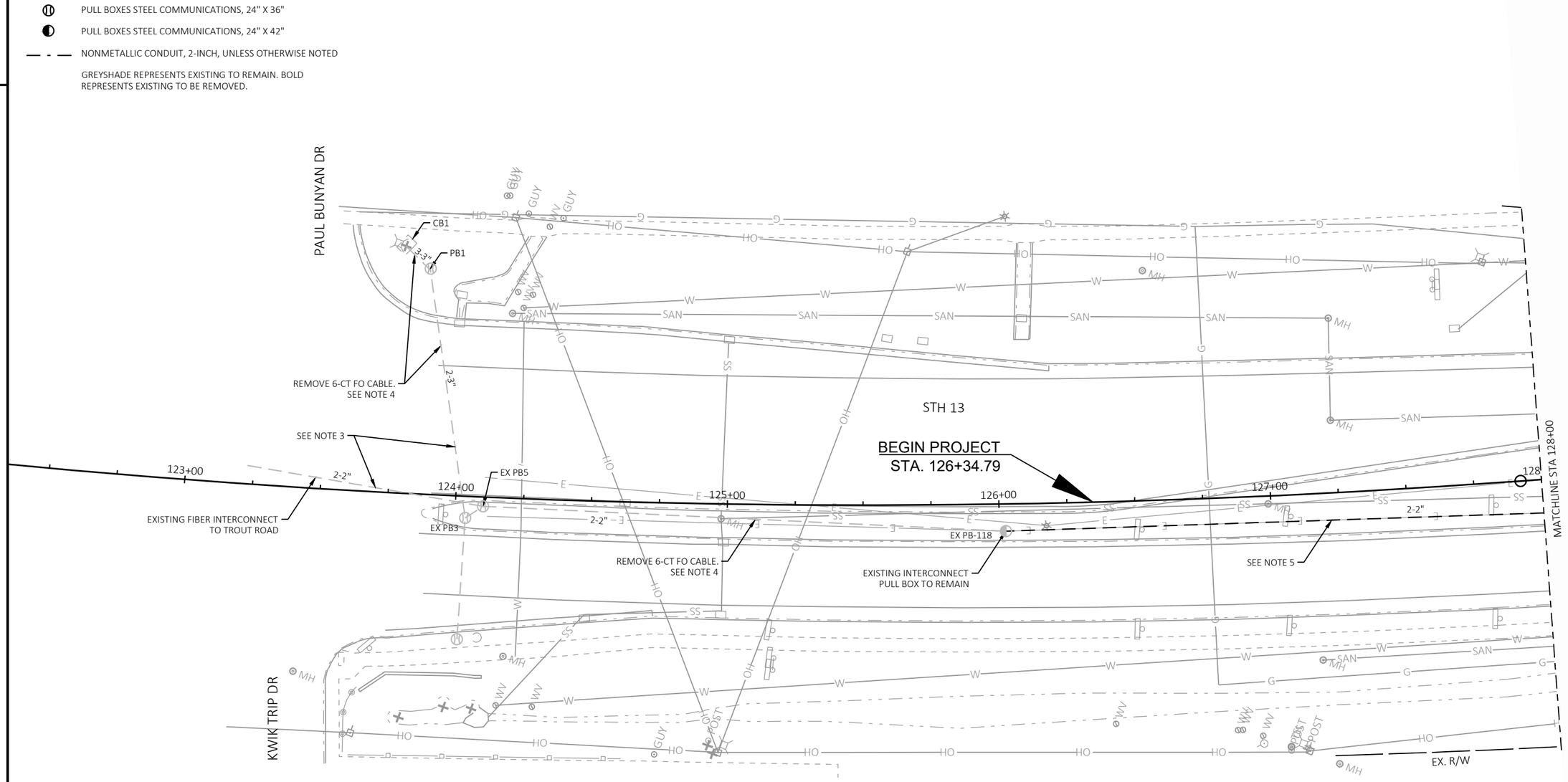


PROJECT NO: 6130-01-72	HWY: STH 13	COUNTY: SAUK	LIGHTING PLAN	SHEET 21	E

INTERCONNECT REMOVAL LEGEND

- PULL BOXES STEEL COMMUNICATIONS, 24" X 36"
- PULL BOXES STEEL COMMUNICATIONS, 24" X 42"
- NONMETALLIC CONDUIT, 2-INCH, UNLESS OTHERWISE NOTED

GREYSHADE REPRESENTS EXISTING TO REMAIN. BOLD REPRESENTS EXISTING TO BE REMOVED.



INTERCONNECT CONSTRUCTION NOTES

1. NOTIFY WISDOT'S ELECTRICAL FIELD UNIT AT (608) 785-9080 BEFORE BEGINNING WORK.
2. THE LOCATION OF EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE APPROXIMATE.
3. MAINTAIN EXISTING 6-CT FIBER OPTIC CABLE ON STH 13 BETWEEN TROUT RD AND KWIK TRIP/PAUL BUNYAN INTERSECTION.
4. REMOVE EXISTING 6-CT FIBER OPTIC CABLE BETWEEN CB1 AT KWIK TRIP/PAUL BUNYAN AND SC1 AT US12/STH16/STH23.
5. REMOVE OR ABANDON 2-2" CONDUITS BETWEEN PB118 AND PB121.
6. PULL BOXES AND CONDUIT REMOVALS EAST OF PB122B TO BE REMOVED AS PART OF PROJECT ID 6145-01-74. SHOWN IN THIS PLAN AS INFORMATION ONLY.

PROJECT NO: 6130-01-72	HWY: STH 13	COUNTY: SAUK	INTERCONNECT REMOVAL PLAN	SHEET 22	E

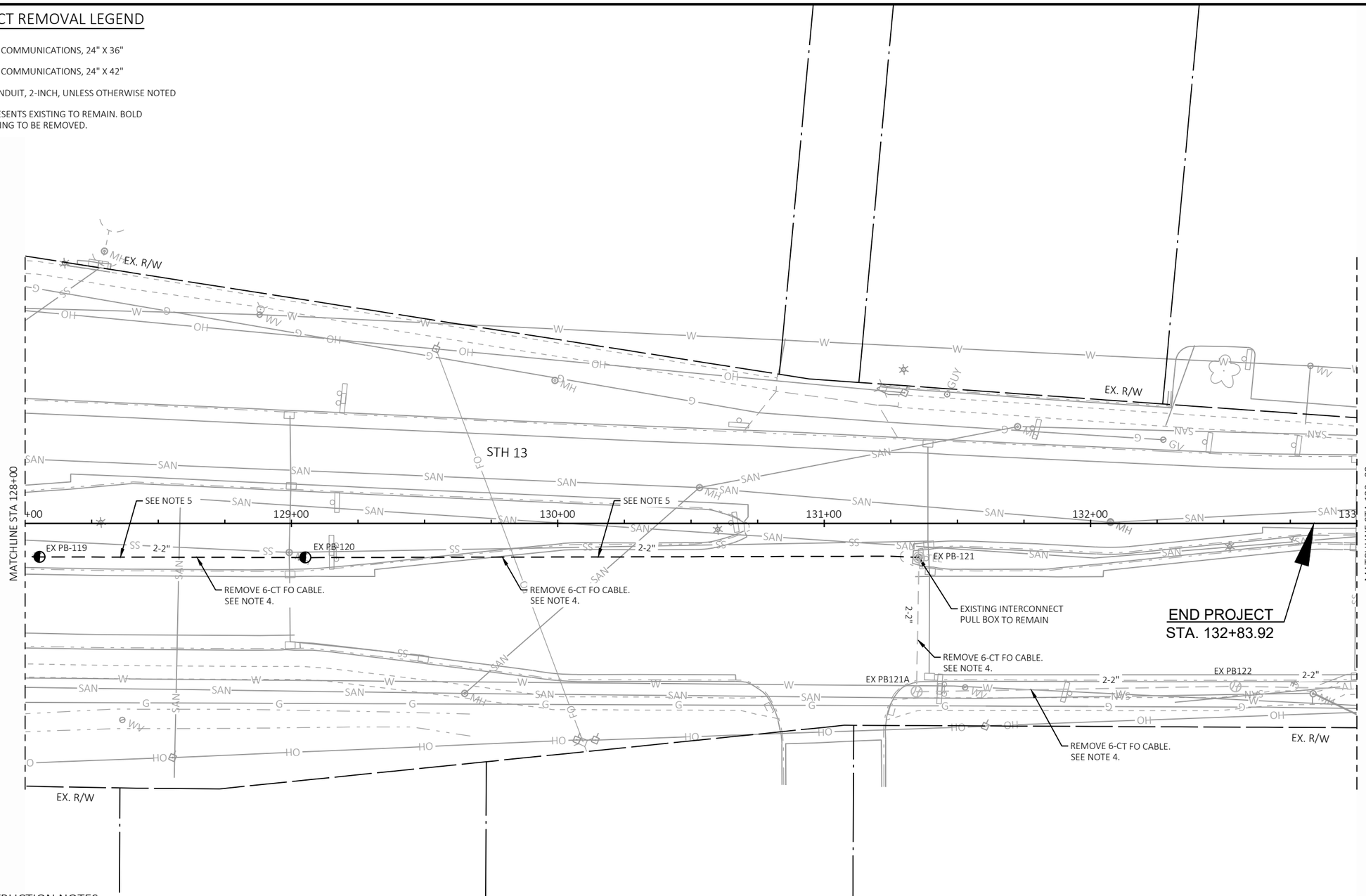
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LAYOUT NAME - 023601_lp
PLOT DATE : 6/10/2025 2:54 PM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

INTERCONNECT REMOVAL LEGEND

- PULL BOXES STEEL COMMUNICATIONS, 24" X 36"
- PULL BOXES STEEL COMMUNICATIONS, 24" X 42"
- NONMETALLIC CONDUIT, 2-INCH, UNLESS OTHERWISE NOTED

GREYSHADE REPRESENTS EXISTING TO REMAIN. BOLD REPRESENTS EXISTING TO BE REMOVED.



INTERCONNECT CONSTRUCTION NOTES

1. NOTIFY WISDOT BEFORE BEGINNING WORK.
2. THE LOCATION OF EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE APPROXIMATE.
3. MAINTAIN EXISTING 6-CT FIBER OPTIC CABLE ON STH 13 BETWEEN TROUT RD AND KWIK TRIP/PAUL BUNYAN INTERSECTION.
4. REMOVE EXISTING 6-CT FIBER OPTIC CABLE BETWEEN CB1 AT KWIK TRIP/PAUL BUNYAN AND SC1 AT US12/STH16/STH23.
5. REMOVE OR ABANDON 2-2" CONDUITS BETWEEN PB118 AND PB121.
6. PULL BOXES AND CONDUIT REMOVALS EAST OF PB122B TO BE REMOVED AS PART OF PROJECT ID 6145-01-74. SHOWN IN THIS PLAN AS INFORMATION ONLY.

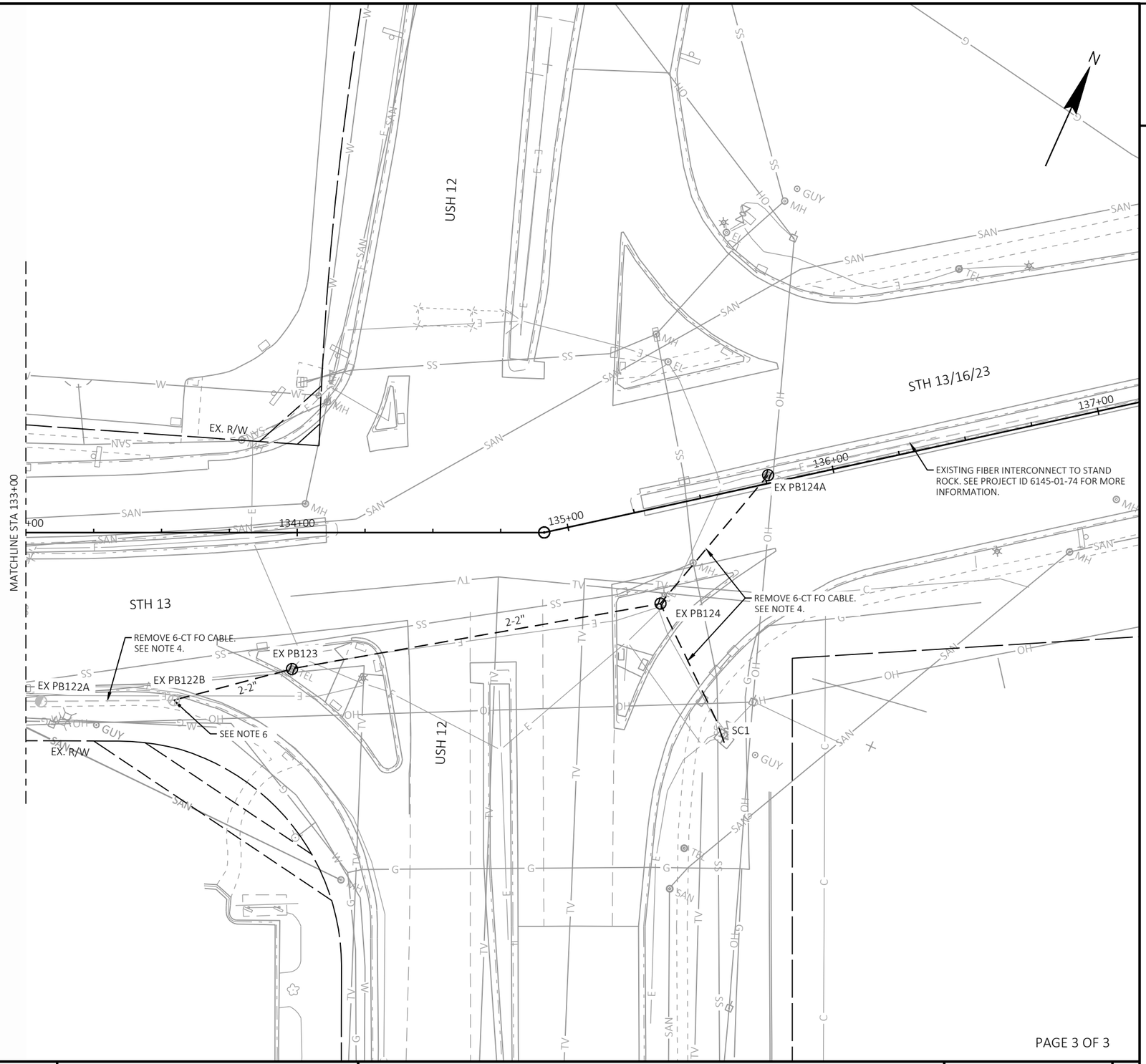
PROJECT NO: 6130-01-72	HWY: STH 13	COUNTY: SAUK	INTERCONNECT REMOVAL PLAN	SHEET 23	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6130-01-02\023401_IC.DWG
LAYOUT NAME - 023602_lp
PLOT DATE : 6/10/2025 2:54 PM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

INTERCONNECT REMOVAL LEGEND

- PULL BOXES STEEL COMMUNICATIONS, 24" X 36"
- PULL BOXES STEEL COMMUNICATIONS, 24" X 42"
- NONMETALLIC CONDUIT, 2-INCH, UNLESS OTHERWISE NOTED

GREYSHADE REPRESENTS EXISTING TO REMAIN. BOLD REPRESENTS EXISTING TO BE REMOVED.



INTERCONNECT CONSTRUCTION NOTES

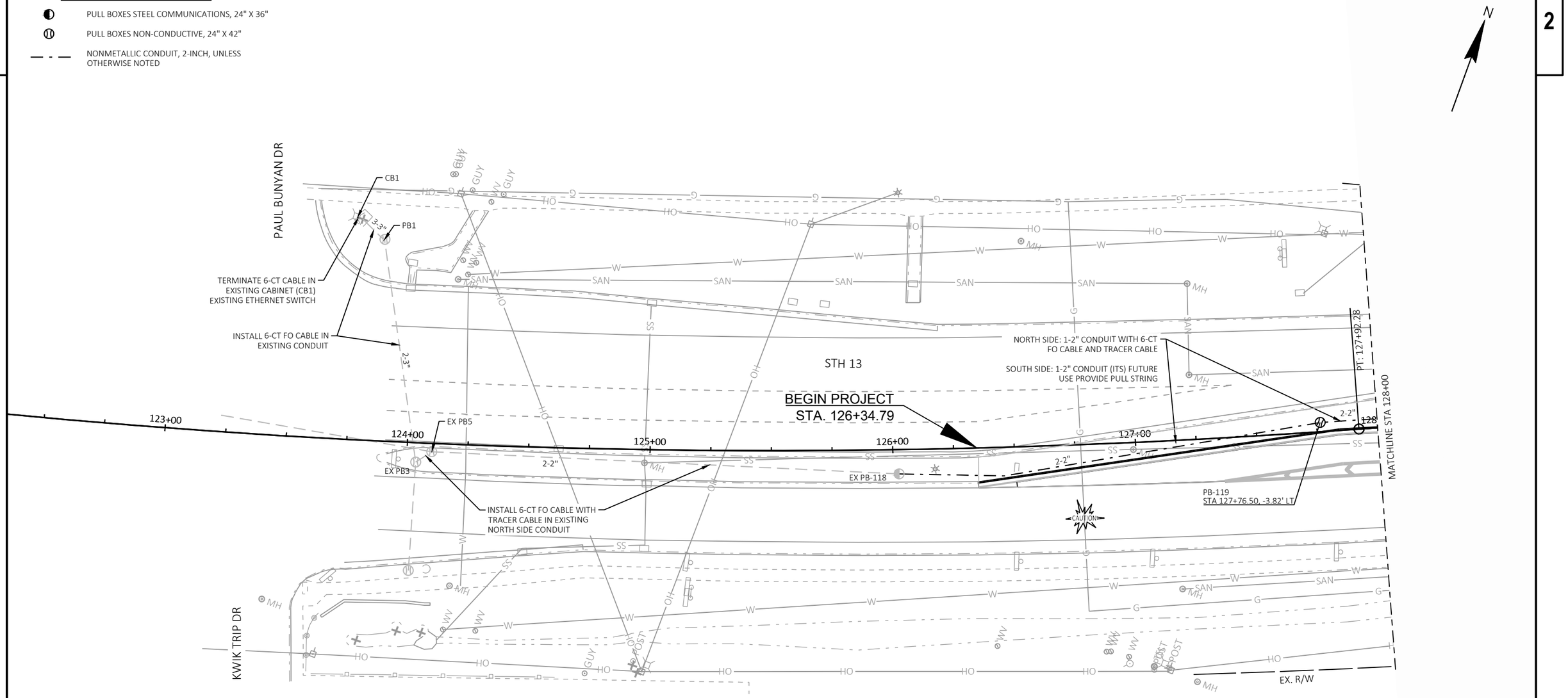
1. NOTIFY WISDOT BEFORE BEGINNING WORK.
2. THE LOCATION OF EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE APPROXIMATE.
3. MAINTAIN EXISTING 6-CT FIBER OPTIC CABLE ON STH 13 BETWEEN TROUT RD AND KWIK TRIP/PAUL BUNYAN INTERSECTION.
4. REMOVE EXISTING 6-CT FIBER OPTIC CABLE BETWEEN CB1 AT KWIK TRIP/PAUL BUNYAN AND SC1 AT US12/STH16/STH23.
5. REMOVE OR ABANDON 2-2" CONDUITS BETWEEN PB118 AND PB121.
6. PULL BOXES AND CONDUIT REMOVALS EAST OF PB122B TO BE REMOVED AS PART OF PROJECT ID 6145-01-74. SHOWN IN THIS PLAN AS INFORMATION ONLY.

PROJECT NO: 6130-01-72	HWY: STH 13	COUNTY: SAUK	INTERCONNECT REMOVAL PLAN	SHEET 24	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6130-01-02\023401_IC.DWG
LAYOUT NAME - 023603_lp
PLOT DATE : 6/10/2025 2:54 PM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

INTERCONNECT LEGEND

- PULL BOXES STEEL COMMUNICATIONS, 24" X 36"
- PULL BOXES NON-CONDUCTIVE, 24" X 42"
- NONMETALLIC CONDUIT, 2-INCH, UNLESS OTHERWISE NOTED

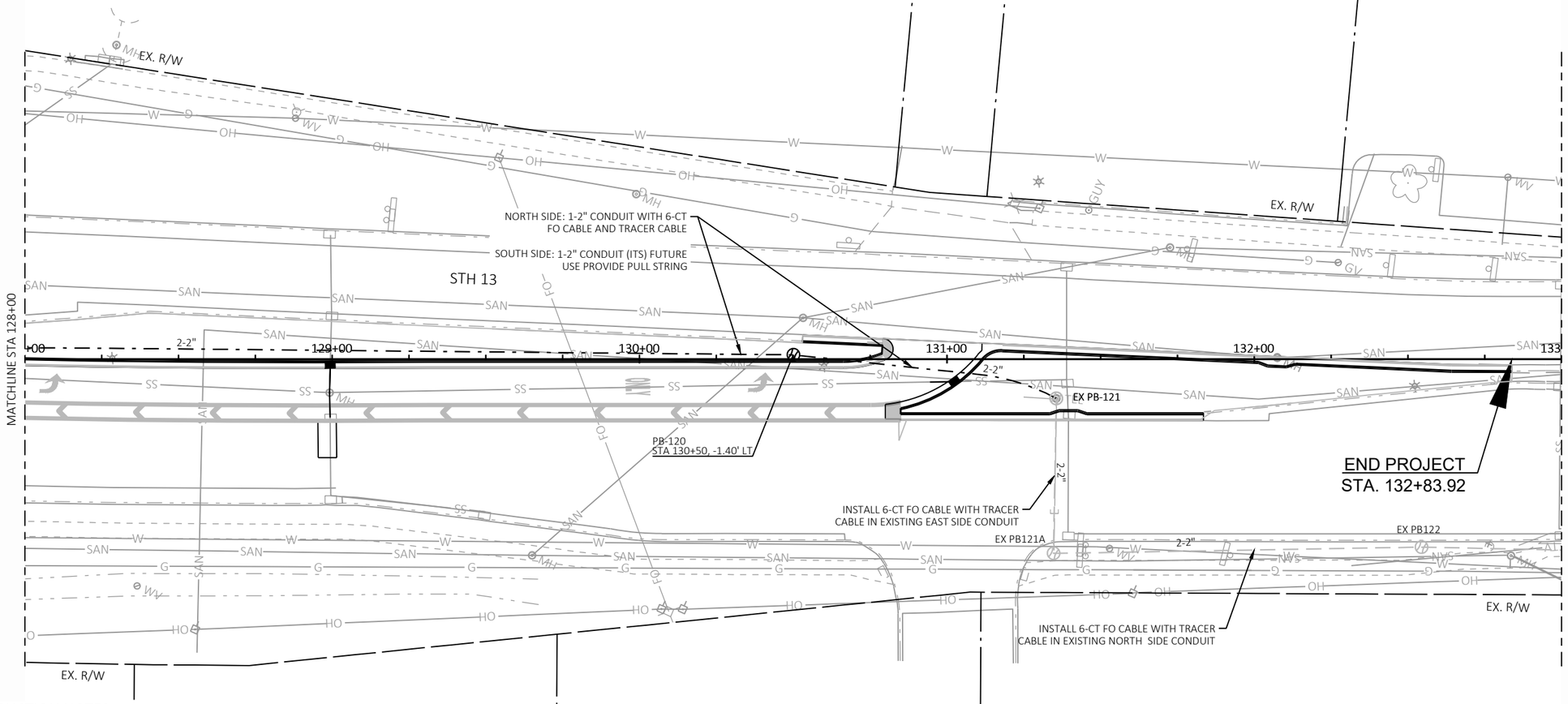


INTERCONNECT CONSTRUCTION NOTES

1. LEAVE 50-FEET OF FIBER OPTIC INTERCONNECT CABLE COILED IN EACH PULL BOX.
2. THE CONTRACTOR SHALL HAVE THE VAULTS AND CONDUIT RUNS INSPECTED 5 WORKING DAYS PRIOR TO PLACING INTERCONNECT CABLE INTO SYSTEM.
3. THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.
4. THE ENGINEER MAY ADJUST THE LOCATIONS OF ITEMS UNDER THIS CONTRACT TO AVOID CONFLICT WITH EXISTING UTILITY FACILITIES.
5. MAINLINE SPLICES SHALL NOT BE ALLOWED UNLESS APPROVED BY ENGINEER IN THE FIELD.
6. THE ENTIRE MAINLINE FIBER OPTIC CABLE SHALL NOT BE CUT AND/OR SPLICED IN THE VAULTS NEAREST THE TRAFFIC SIGNAL CABINET WHILE MAKING THE PIGTAIL CONNECTIONS. ONLY THE REQUIRED BUFFER TUBE SHALL BE CUT AND SPLICED WITH THE PIGTAIL CONNECTION.
7. TRAFFIC SIGNALS SHOWN GRAYSHADE FOR PLAN CLARITY.
8. TRACER CABLE SHALL BE PROVIDED IN ALL 2-INCH NONMETALLIC CONDUIT IN INTERCONNECT SYSTEM.

INTERCONNECT LEGEND

- PULL BOXES STEEL COMMUNICATIONS, 24" X 36"
- PULL BOXES NON-CONDUCTIVE, 24" X 42"
- NONMETALLIC CONDUIT, 2-INCH, UNLESS OTHERWISE NOTED

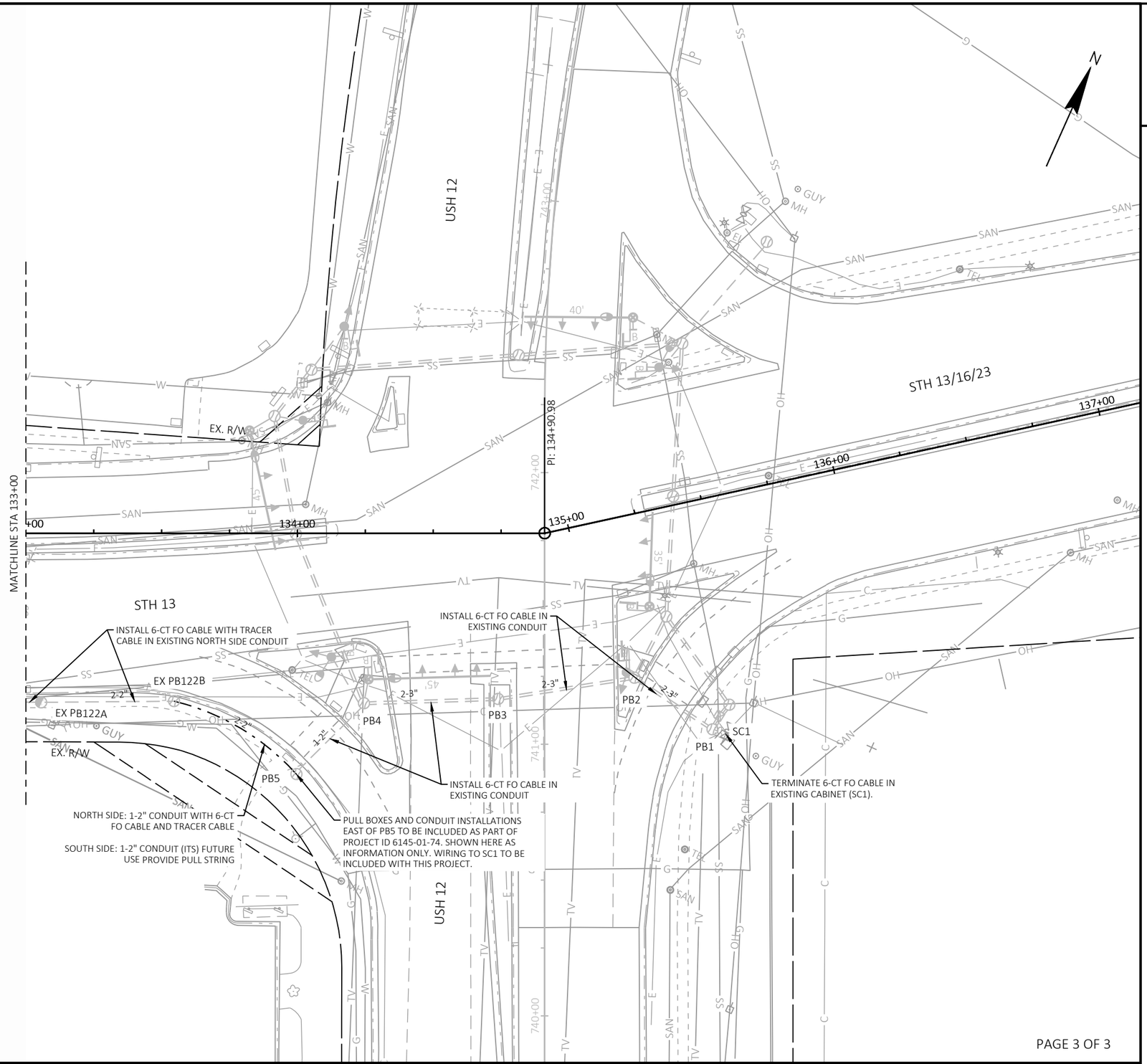


INTERCONNECT CONSTRUCTION NOTES

1. LEAVE 50-FEET OF FIBER OPTIC INTERCONNECT CABLE COILED IN EACH PULL BOX.
2. THE CONTRACTOR SHALL HAVE THE VAULTS AND CONDUIT RUNS INSPECTED 5 WORKING DAYS PRIOR TO PLACING INTERCONNECT CABLE INTO SYSTEM.
3. THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.
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7. TRAFFIC SIGNALS SHOWN GRAYSHADE FOR PLAN CLARITY.
8. TRACER CABLE SHALL BE PROVIDED IN ALL 2-INCH NONMETALLIC CONDUIT IN INTERCONNECT SYSTEM.

INTERCONNECT LEGEND

- PULL BOXES STEEL COMMUNICATIONS, 24" X 36"
- PULL BOXES NON-CONDUCTIVE, 24" X 42"
- NONMETALLIC CONDUIT, 2-INCH, UNLESS OTHERWISE NOTED



INTERCONNECT CONSTRUCTION NOTES

1. LEAVE 50-FEET OF FIBER OPTIC INTERCONNECT CABLE COILED IN EACH PULL BOX.
2. THE CONTRACTOR SHALL HAVE THE VAULTS AND CONDUIT RUNS INSPECTED 5 WORKING DAYS PRIOR TO PLACING INTERCONNECT CABLE INTO SYSTEM.
3. THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.
4. THE ENGINEER MAY ADJUST THE LOCATIONS OF ITEMS UNDER THIS CONTRACT TO AVOID CONFLICT WITH EXISTING UTILITY FACILITIES.
5. MAINLINE SPLICES SHALL NOT BE ALLOWED UNLESS APPROVED BY ENGINEER IN THE FIELD.
6. THE ENTIRE MAINLINE FIBER OPTIC CABLE SHALL NOT BE CUT AND/OR SPLICED IN THE VAULTS NEAREST THE TRAFFIC SIGNAL CABINET WHILE MAKING THE PIGTAIL CONNECTIONS. ONLY THE REQUIRED BUFFER TUBE SHALL BE CUT AND SPLICED WITH THE PIGTAIL CONNECTION.
7. TRAFFIC SIGNALS SHOWN GRAYSHADE FOR PLAN CLARITY.
8. TRACER CABLE SHALL BE PROVIDED IN ALL 2-INCH NONMETALLIC CONDUIT IN INTERCONNECT SYSTEM.

PROJECT NO: 6130-01-72	HWY: STH 13	COUNTY: SAUK	INTERCONNECT PLAN	SHEET 27	E

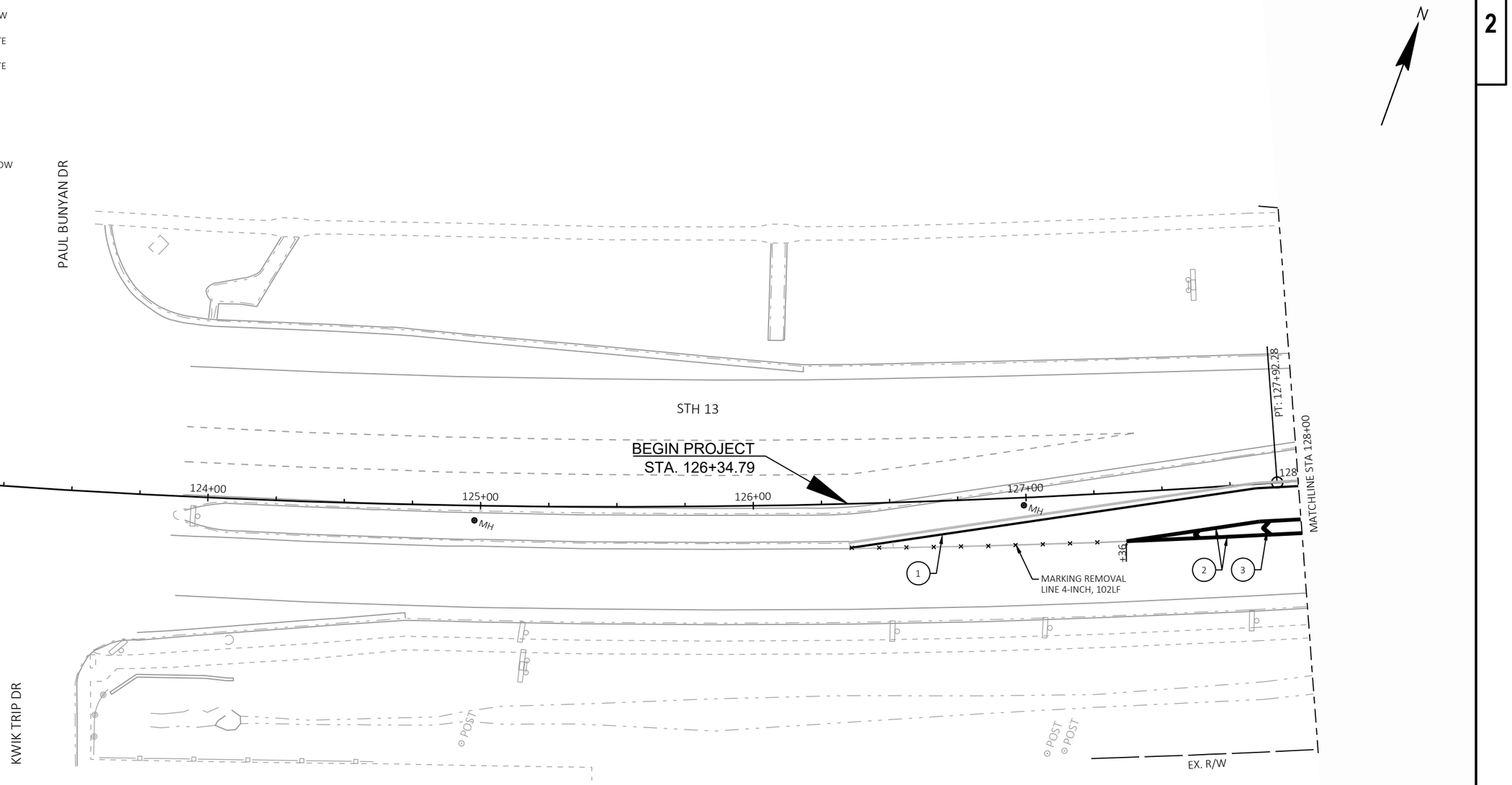
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LAYOUT NAME - 023603_lp
PLOT DATE : 6/10/2025 2:55 PM
PLOT BY : CHAPMAN, JULIE
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

LEGEND

1. MARKING LINE EPOXY 6-INCH, YELLOW
2. MARKING LINE EPOXY 10-INCH, WHITE
3. MARKING LINE EPOXY 12-INCH, WHITE
4. MARKING ARROW EPOXY, WHITE
5. MARKING WORD EPOXY, WHITE
6. MARKING CURB EPOXY, YELLOW
7. MARKING ISLAND NOSE EPOXY, YELLOW

MARKING REMOVAL LINE 4-INCH



2

PROJECT NO: 6130-01-72	HWY: STH 13	COUNTY: SAUK	PAVEMENT MARKING	SHEET 28	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6130-01-02\024501_PM.DWG
LAYOUT NAME - 024501_pm

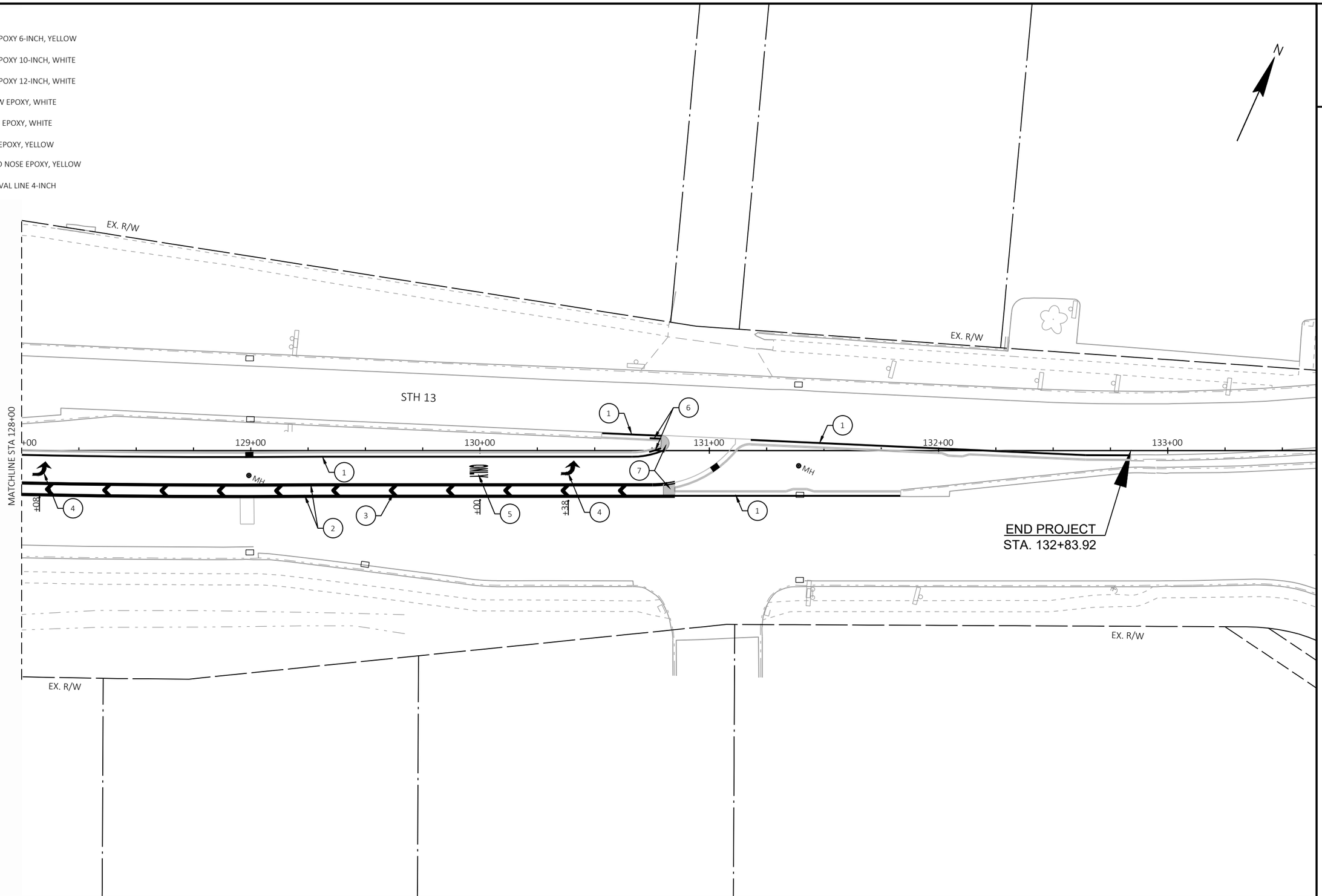
PLOT DATE : 8/18/2025 2:45 PM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

LEGEND

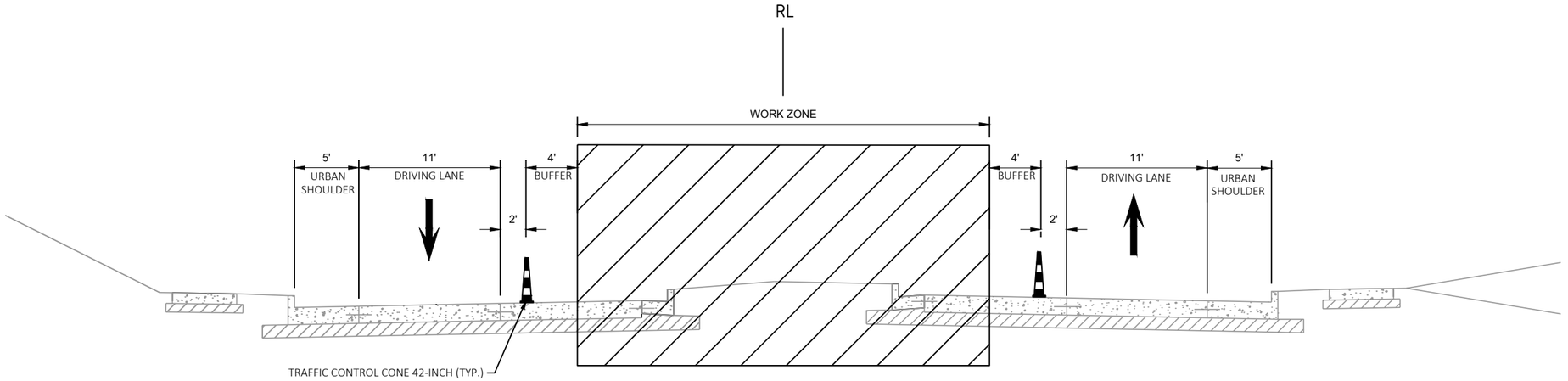
1. MARKING LINE EPOXY 6-INCH, YELLOW
2. MARKING LINE EPOXY 10-INCH, WHITE
3. MARKING LINE EPOXY 12-INCH, WHITE
4. MARKING ARROW EPOXY, WHITE
5. MARKING WORD EPOXY, WHITE
6. MARKING CURB EPOXY, YELLOW
7. MARKING ISLAND NOSE EPOXY, YELLOW

× × MARKING REMOVAL LINE 4-INCH



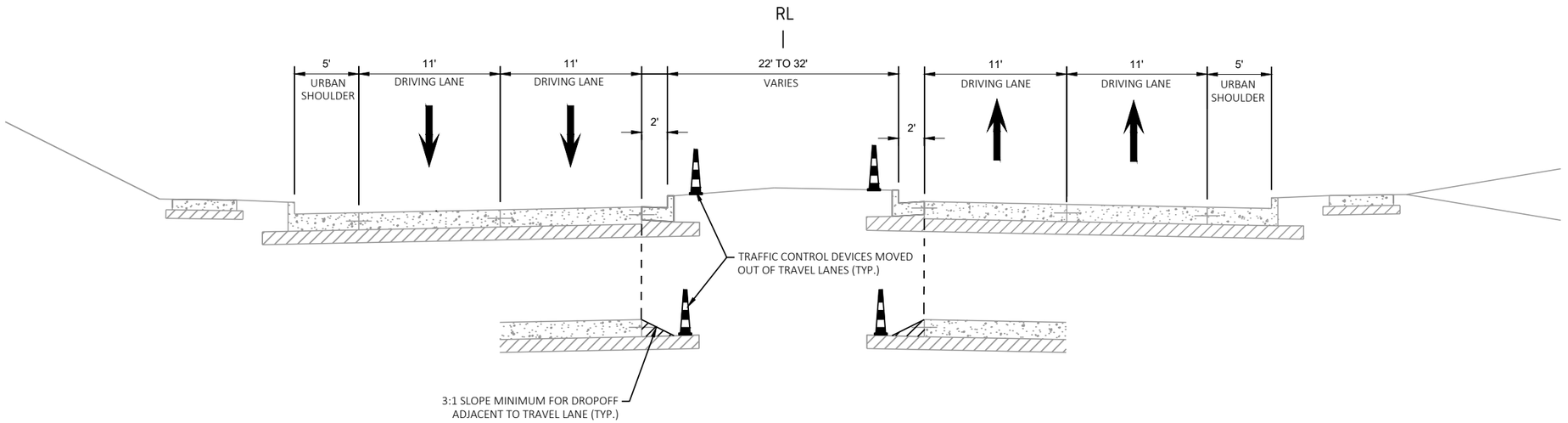
PROJECT NO: 6130-01-72	HWY: STH 13	COUNTY: SAUK	PAVEMENT MARKING	SHEET 29	E

2



TRAFFIC CONTROL TYPICAL SECTION - WEEKDAY

STA. 126+35 TO STA. 132+84



TRAFFIC CONTROL TYPICAL SECTION - WEEKEND

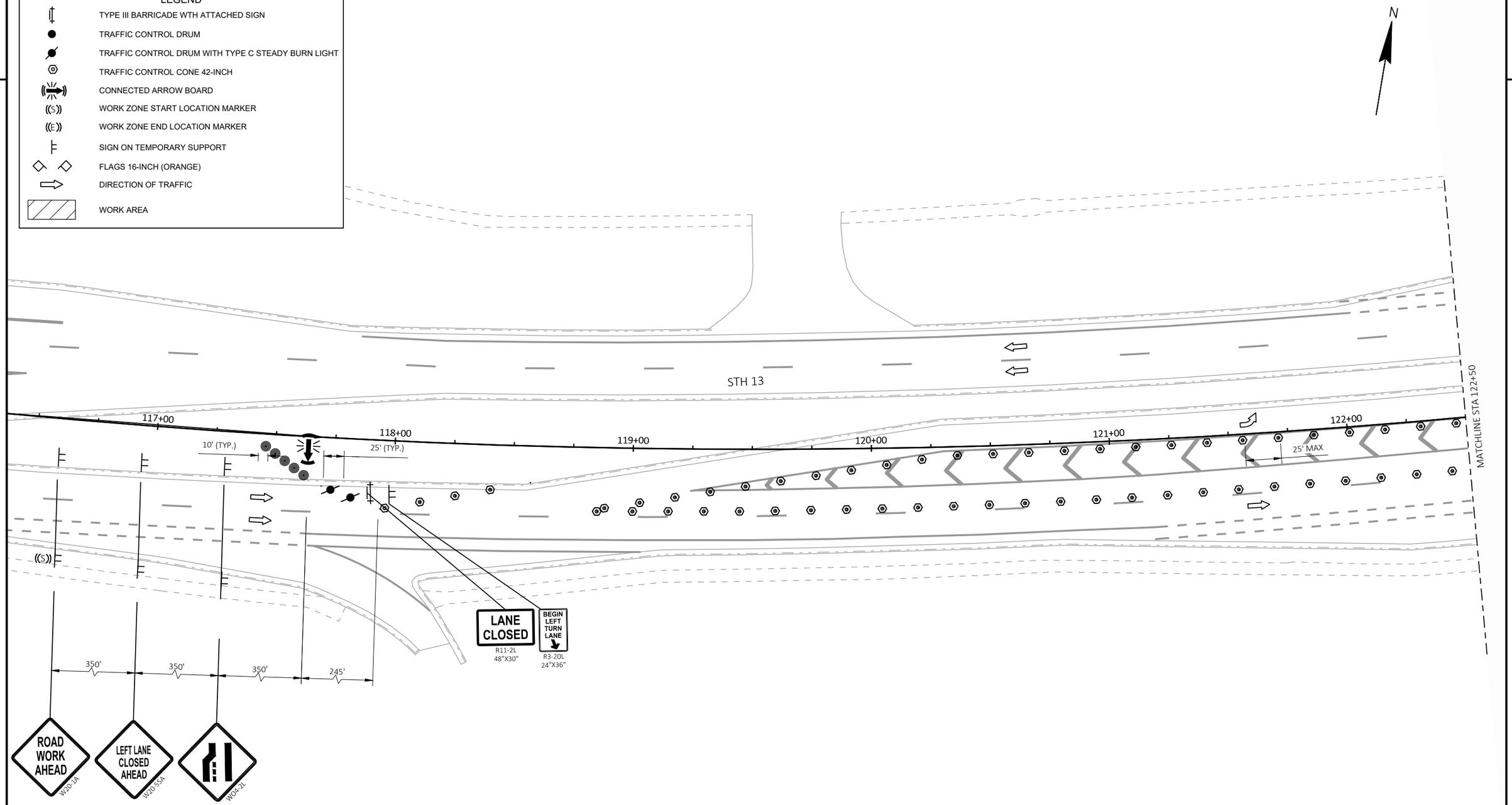
STA. 126+35 TO STA. 132+84

PROJECT NO: 6130-01-72	HWY: STH 13	COUNTY: SAUK	TRAFFIC CONTROL TYPICAL SECTIONS	SHEET 30	E

2

LEGEND

- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- TRAFFIC CONTROL CONE 42-INCH
- CONNECTED ARROW BOARD
- WORK ZONE START LOCATION MARKER
- WORK ZONE END LOCATION MARKER
- SIGN ON TEMPORARY SUPPORT
- FLAGS 16-INCH (ORANGE)
- DIRECTION OF TRAFFIC
- WORK AREA



PROJECT NO: 6130-01-72	HWY: STH 13	COUNTY: SAUK	TRAFFIC CONTROL	SHEET 31	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6130-01-02\025101_TC.DWG
LAYOUT NAME - 025101_tc

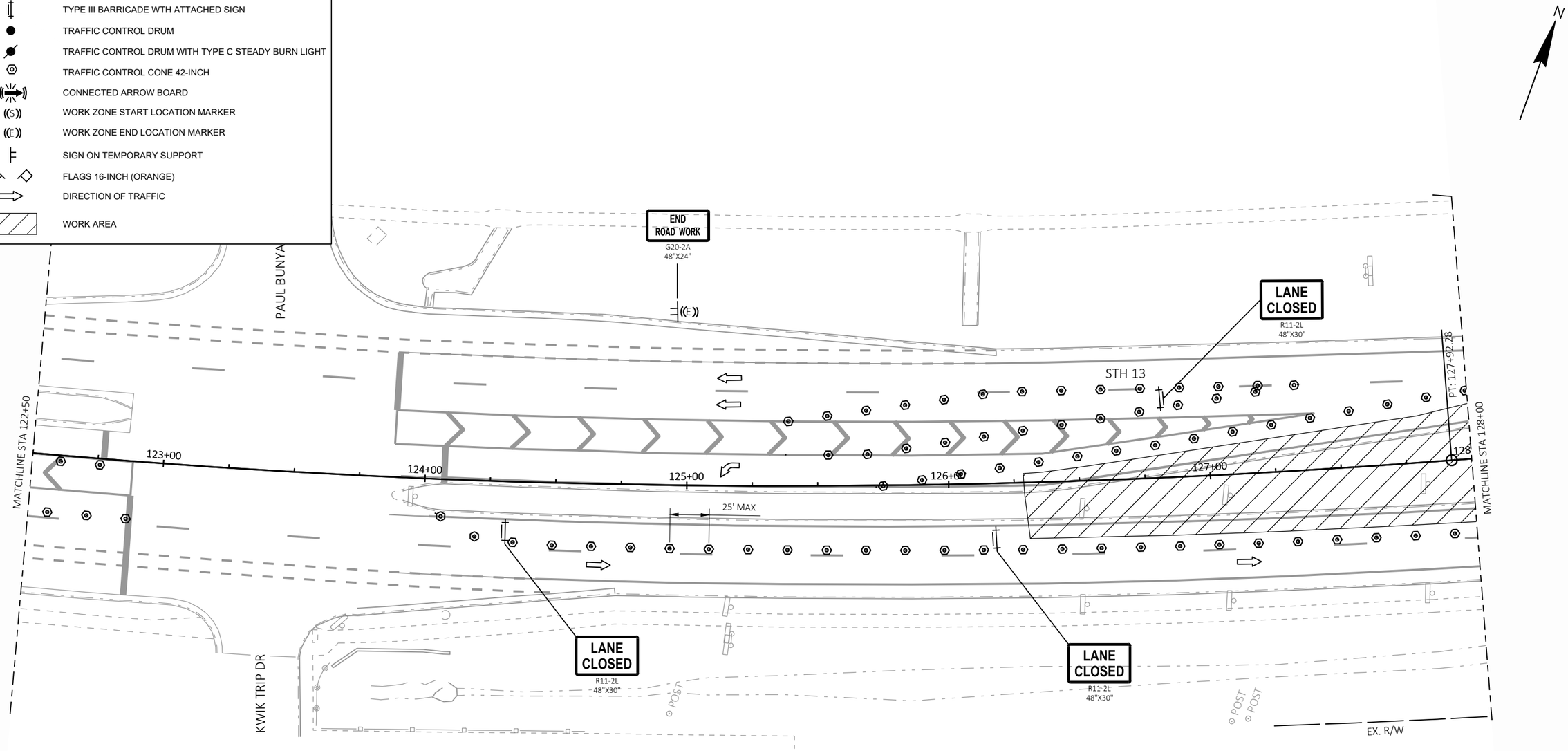
PLOT DATE : 6/10/2025 2:58 PM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

2

LEGEND

- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- TRAFFIC CONTROL CONE 42-INCH
- CONNECTED ARROW BOARD
- WORK ZONE START LOCATION MARKER
- WORK ZONE END LOCATION MARKER
- SIGN ON TEMPORARY SUPPORT
- FLAGS 16-INCH (ORANGE)
- DIRECTION OF TRAFFIC
- WORK AREA



PROJECT NO: 6130-01-72	HWY: STH 13	COUNTY: SAUK	TRAFFIC CONTROL	SHEET 32	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6130-01-02\025101_TC.DWG
LAYOUT NAME - 025102_tc

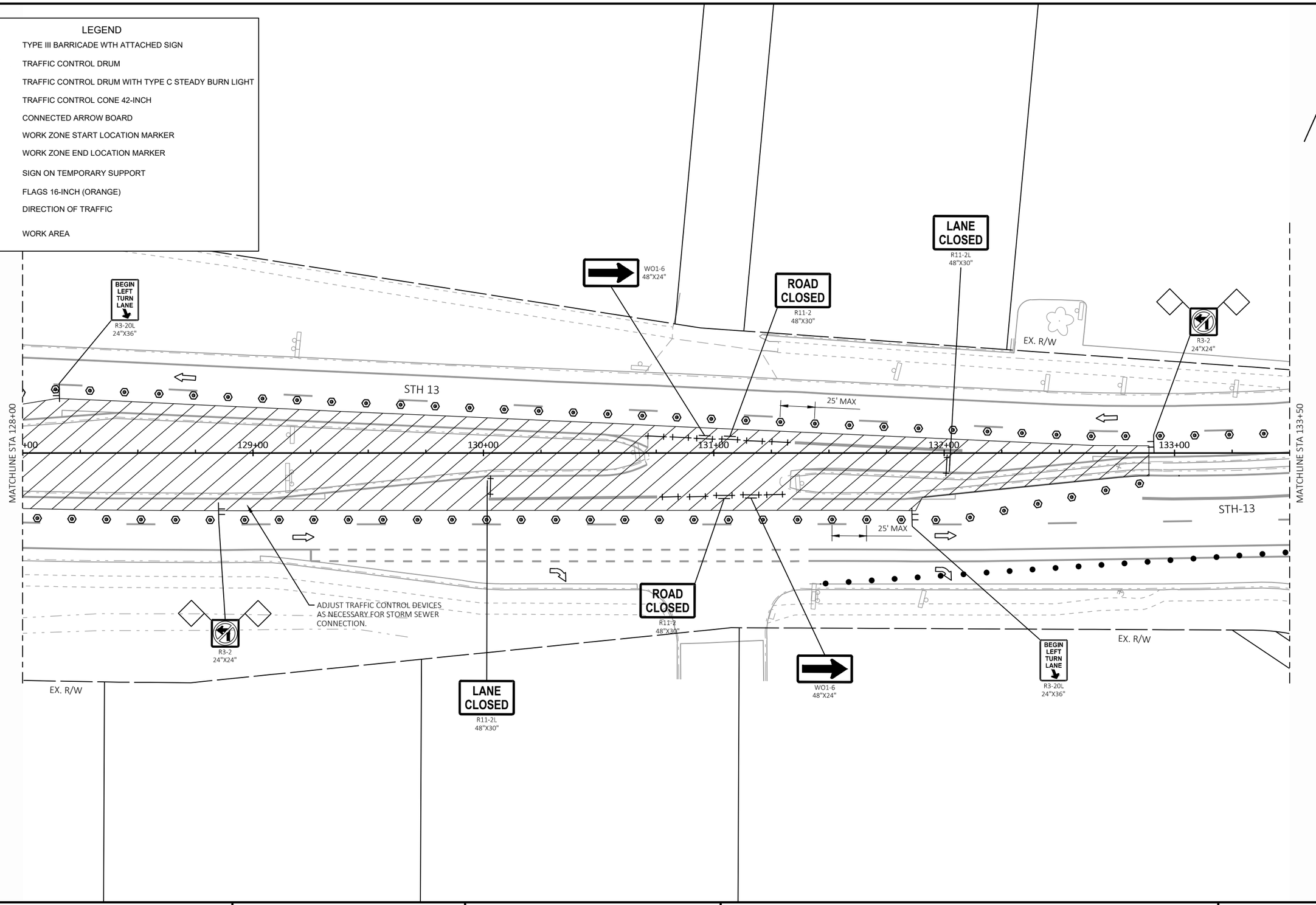
PLOT DATE : 6/10/2025 2:58 PM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- TRAFFIC CONTROL CONE 42-INCH
- CONNECTED ARROW BOARD
- WORK ZONE START LOCATION MARKER
- WORK ZONE END LOCATION MARKER
- SIGN ON TEMPORARY SUPPORT
- FLAGS 16-INCH (ORANGE)
- DIRECTION OF TRAFFIC
- WORK AREA



PROJECT NO: 6130-01-72	HWY: STH 13	COUNTY: SAUK	TRAFFIC CONTROL	SHEET 33	E

2

LEGEND

- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- TRAFFIC CONTROL CONE 42-INCH
- CONNECTED ARROW BOARD
- WORK ZONE START LOCATION MARKER
- WORK ZONE END LOCATION MARKER
- SIGN ON TEMPORARY SUPPORT
- FLAGS 16-INCH (ORANGE)
- DIRECTION OF TRAFFIC
- WORK AREA

SEE ID 6145-01-74 TRAFFIC CONTROL PLANS FOR MORE INFORMATION

SEE ID 6145-01-74 TRAFFIC CONTROL PLANS FOR MORE INFORMATION

LANE CLOSED
R11-2L
48"X30"

LANE CLOSED
R11-2L
48"X30"

EX. R/W

MATCHLINE STA 133+50

134+00

942+00

742+00

PI: 134+90.98

STH 13

25' MAX

135+00

136+00

137+00

138+00

139

MATCHLINE STA 139+00

USH 12

940+00

740+00

PROJECT NO: 6130-01-72	HWY: STH 13	COUNTY: SAUK	TRAFFIC CONTROL	SHEET 34	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6130-01-02\025101_TC.DWG
LAYOUT NAME - 025104_tc

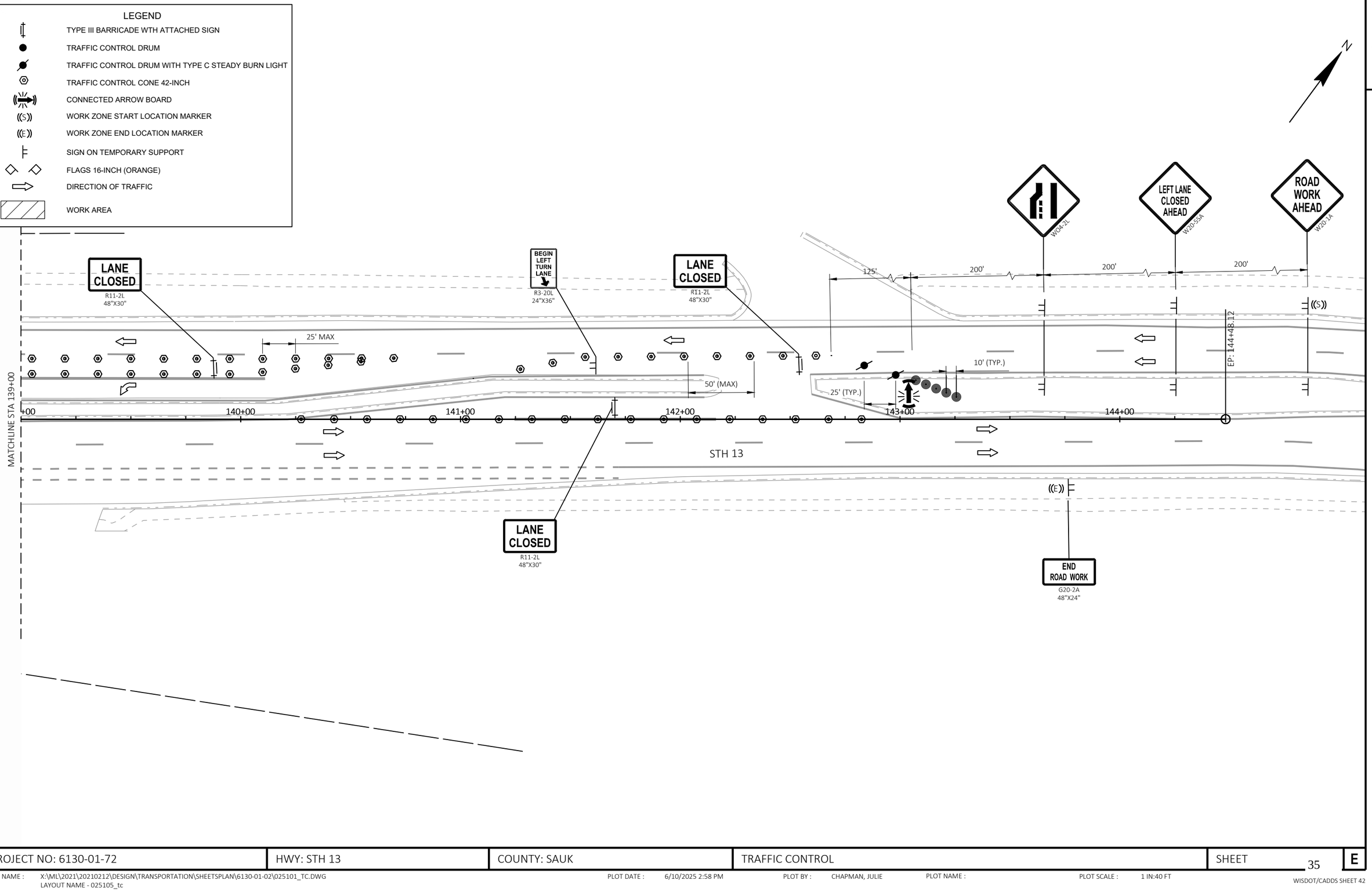
PLOT DATE : 6/10/2025 2:58 PM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- TRAFFIC CONTROL CONE 42-INCH
- CONNECTED ARROW BOARD
- WORK ZONE START LOCATION MARKER
- WORK ZONE END LOCATION MARKER
- SIGN ON TEMPORARY SUPPORT
- FLAGS 16-INCH (ORANGE)
- DIRECTION OF TRAFFIC
- WORK AREA

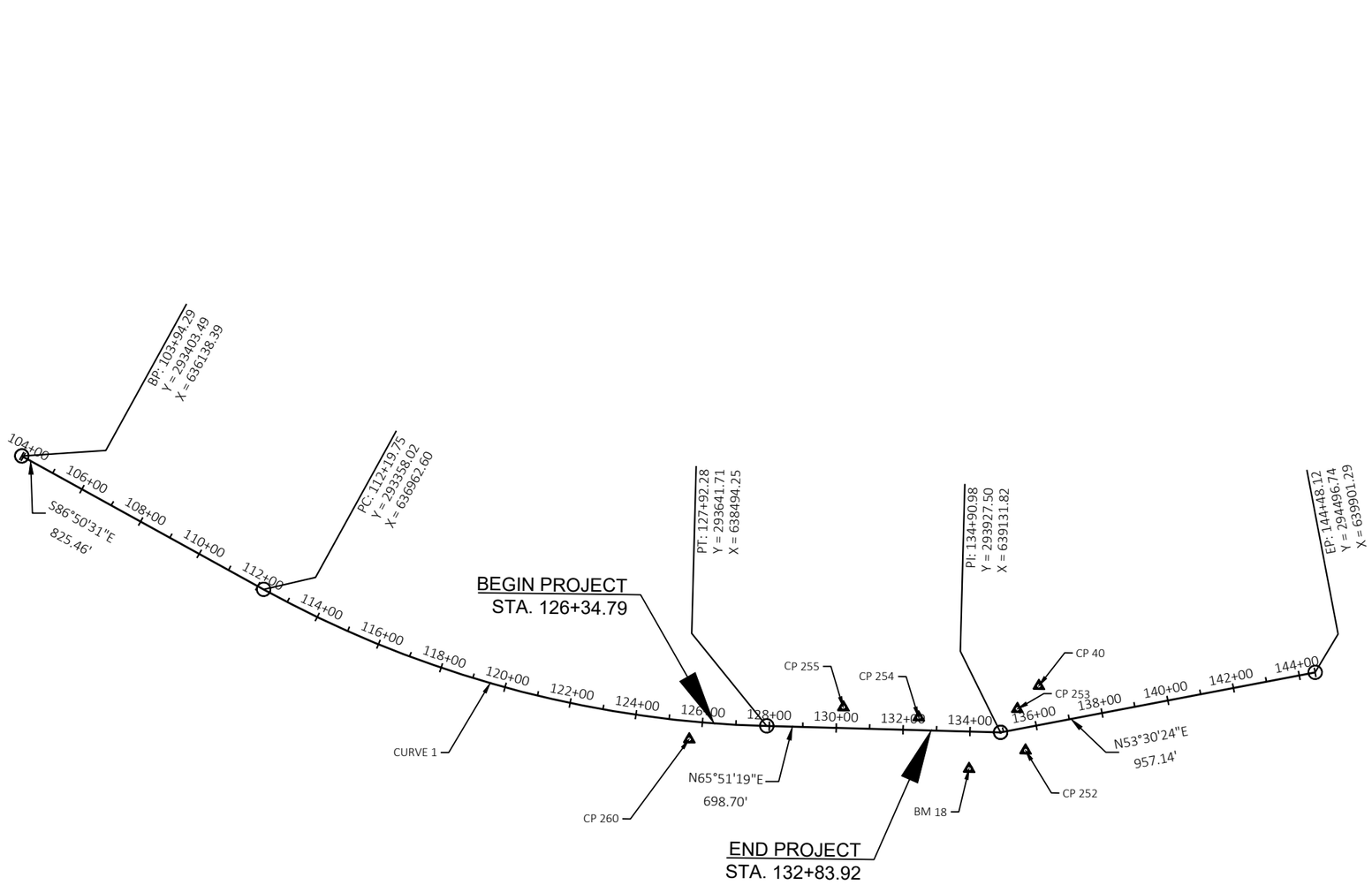


PROJECT NO: 6130-01-72	HWY: STH 13	COUNTY: SAUK	TRAFFIC CONTROL	SHEET 35	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6130-01-02\025101_TC.DWG
LAYOUT NAME - 025105_tc

PLOT DATE : 6/10/2025 2:58 PM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:40 FT

CURVE 1
PI STA = 120+21.24
Y = 293313.864
X = 637762.875
DELTA = 27°18'10" RT
D = 1°44'10"
T = 801.49'
L = 1572.53'
R = 3300.00'
PC STA = 112+19.75
PT STA = 127+92.28



STH 13						
SECONDARY CONTROL POINTS						
POINT	DESCRIPTION	STATION	OFFSET	ELEVATION	Y-COORDINATE	X-COORDINATE
260	CP CUT CROSS	125+65.24	53.802	831.88	293,505.54	638,302.62
255	CP CUT CROSS	130+19.59	-62.198	833.05	293,791.44	638,676.23
254	CP CUT CROSS	132+45.24	-38.055	833.06	293,861.71	638,892.01
BM 18	TOP NORTH BURY TAG BOLT	134+00.07	111.524	834.92	293,788.55	639,094.48
253	CP CUT CROSS	135+53.45	-59.134	833.63	294,012.20	639,146.87
252	CP 5/8IN REBAR WITH PINK GRAEF CAP	135+54.40	66.953	833.54	293,911.40	639,222.62
40	CP 1IN IRON PIPE WITH YELLOW GRAEF CAP	136+29.47	-114.95	835.65	294102.28	639174.79

6130-01-72

Line	Item	Item Description	Unit	Total	Qty
0008	204.0100	Removing Concrete Pavement	SY	549.000	549.000
0016	204.0150	Removing Curb & Gutter	LF	302.000	302.000
0018	204.0155	Removing Concrete Sidewalk	SY	77.000	77.000
0022	204.0195	Removing Concrete Bases	EACH	3.000	3.000
0026	204.0220	Removing Inlets	EACH	1.000	1.000
0028	204.0245	Removing Storm Sewer (size) 01. 12-Inch	LF	29.000	29.000
0112	205.0100	Excavation Common	CY	746.000	746.000
0116	213.0100	Finishing Roadway (project) 01. 6130-01-72	EACH	1.000	1.000
0124	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	387.000	387.000
0132	415.0090	Concrete Pavement 9-Inch	SY	766.000	766.000
0138	416.0610	Drilled Tie Bars	EACH	320.000	320.000
0140	416.0620	Drilled Dowel Bars	EACH	18.000	18.000
0184	520.8000	Concrete Collars for Pipe	EACH	2.000	2.000
0200	601.0409	Concrete Curb & Gutter 30-Inch Type A	LF	776.000	776.000
0230	608.0312	Storm Sewer Pipe Reinforced Concrete Class III 12-Inch	LF	25.000	25.000
0268	611.0420	Reconstructing Manholes	EACH	1.000	1.000
0270	611.0530	Manhole Covers Type J	EACH	1.000	1.000
0274	611.0624	Inlet Covers Type H	EACH	1.000	1.000
0276	611.0639	Inlet Covers Type H-S	EACH	1.000	1.000
0312	611.3230	Inlets 2x3-FT	EACH	2.000	2.000
0316	611.8110	Adjusting Manhole Covers	EACH	1.000	1.000
0318	611.8115	Adjusting Inlet Covers	EACH	1.000	1.000
0334	618.0100	Maintenance and Repair of Haul Roads (project) 01. 6130-01-72	EACH	1.000	1.000
0342	619.1000	Mobilization	EACH	0.005	0.005
0346	620.0300	Concrete Median Sloped Nose	SF	47.000	47.000
0348	624.0100	Water	MGAL	4.000	4.000
0350	625.0100	Topsoil	SY	804.000	804.000
0356	628.1905	Mobilizations Erosion Control	EACH	1.000	1.000
0358	628.1910	Mobilizations Emergency Erosion Control	EACH	2.000	2.000
0360	628.2006	Erosion Mat Urban Class I Type A	SY	201.000	201.000
0362	628.7005	Inlet Protection Type A	EACH	3.000	3.000
0366	628.7015	Inlet Protection Type C	EACH	6.000	6.000
0368	628.7020	Inlet Protection Type D	EACH	7.000	7.000
0376	629.0210	Fertilizer Type B	CWT	1.000	1.000
0378	630.0140	Seeding Mixture No. 40	LB	14.000	14.000
0380	630.0200	Seeding Temporary	LB	5.000	5.000
0382	630.0500	Seed Water	MGAL	18.000	18.000
0384	631.0300	Sod Water	MGAL	9.000	9.000
0386	631.1000	Sod Lawn	SY	804.000	804.000
0388	634.0614	Posts Wood 4x6-Inch X 14-FT	EACH	4.000	4.000
0390	634.0616	Posts Wood 4x6-Inch X 16-FT	EACH	7.000	7.000
0392	634.0618	Posts Wood 4x6-Inch X 18-FT	EACH	2.000	2.000
0398	637.2210	Signs Type II Reflective H	SF	58.750	58.750
0404	638.2102	Moving Signs Type II	EACH	5.000	5.000
0406	638.2602	Removing Signs Type II	EACH	4.000	4.000
0408	638.3000	Removing Small Sign Supports	EACH	3.000	3.000
0410	642.5401	Field Office Type D	EACH	0.005	0.005
0412	643.0300	Traffic Control Drums	DAY	930.000	930.000
0414	643.0420	Traffic Control Barricades Type III	DAY	682.000	682.000

6130-01-72

Line	Item	Item Description	Unit	Total	Qty
0422	643.0705	Traffic Control Warning Lights Type A	DAY	1,364.000	1,364.000
0424	643.0715	Traffic Control Warning Lights Type C	DAY	620.000	620.000
0426	643.0810	Traffic Control Connected Arrow Boards	DAY	62.000	62.000
0428	643.0900	Traffic Control Signs	DAY	1,085.000	1,085.000
0432	643.1070	Traffic Control Cones 42-Inch	DAY	5,673.000	5,673.000
0434	643.1220	Traffic Control Connected Work Zone Start and End Location Markers	DAY	62.000	62.000
0452	643.5000	Traffic Control	EACH	0.005	0.005
0468	646.2020	Marking Line Epoxy 6-Inch	LF	736.000	736.000
0476	646.4020	Marking Line Epoxy 10-Inch	LF	699.000	699.000
0480	646.5020	Marking Arrow Epoxy	EACH	2.000	2.000
0482	646.5120	Marking Word Epoxy	EACH	1.000	1.000
0492	646.7120	Marking Diagonal Epoxy 12-Inch	LF	89.000	89.000
0496	646.8120	Marking Curb Epoxy	LF	10.000	10.000
0498	646.8220	Marking Island Nose Epoxy	EACH	2.000	2.000
0500	646.9000	Marking Removal Line 4-Inch	LF	102.000	102.000
0508	650.4000	Construction Staking Storm Sewer	EACH	2.000	2.000
0510	650.4500	Construction Staking Subgrade	LF	649.000	649.000
0512	650.5500	Construction Staking Curb Gutter and Curb & Gutter	LF	776.000	776.000
0542	650.7000	Construction Staking Concrete Pavement	LF	649.000	649.000
0544	650.8501	Construction Staking Electrical Installations (project) 01. 6130-01-72	EACH	1.000	1.000
0560	650.9911	Construction Staking Supplemental Control (project) 01. 6130-01-72	EACH	1.000	1.000
0570	652.0225	Conduit Rigid Nonmetallic Schedule 40 2-Inch	LF	1,263.000	1,263.000
0580	653.0164	Pull Boxes Non-Conductive 24x42-Inch	EACH	2.000	2.000
0582	653.0905	Removing Pull Boxes	EACH	2.000	2.000
0588	654.0105	Concrete Bases Type 5	EACH	3.000	3.000
0612	655.0510	Electrical Wire Traffic Signals 12 AWG	LF	590.000	590.000
0618	655.0625	Electrical Wire Lighting 6 AWG	LF	2,055.000	2,055.000
0730	670.0101	Field System Integrator	EACH	1.000	1.000
0732	670.0201	ITS Documentation	EACH	1.000	1.000
0738	674.0300	Remove Cable	LF	1,349.000	1,349.000
0740	678.0006	Install Fiber Optic Cable Outdoor Plant 6-CT	LF	2,142.000	2,142.000
0748	678.0400	Fiber Optic Termination	EACH	12.000	12.000
0750	678.0501	Communication System Testing	EACH	1.000	1.000
0758	690.0250	Sawing Concrete	LF	817.000	817.000
0762	715.0715	Incentive Flexural Strength Concrete Pavement	DOL	500.000	500.000
0818	SPV.0060	Special 016. Relocate Lighting Unit	EACH	3.000	3.000

REMOVING CONCRETE PAVEMENT

STATION TO STATION	204.0100 REMOVING CONCRETE PAVEMENT SY
STH 13	
126+34.79 - 132+83.92	549
TOTALS	549

REMOVING CURB & GUTTER

STATION TO STATION	204.0150 REMOVING CURB & GUTTER LF
STH 13	
126+34.79 - 132+83.92	302
TOTALS	302

REMOVING CONCRETE SIDEWALK

STATION TO STATION	204.0155 REMOVING CONCRETE SY
STH 13	
126+34.79 - 132+83.92	77
TOTALS	77

3

REMOVING CONCRETE BASES

STATION TO STATION	204.0195 REMOVING CONCRETE BASES EACH
STH 13	
128+28.4, 0.4' LT	1
130+60.0, 2.3' RT	1
132+52.3, 8.7' RT	1
TOTALS	3

REMOVING INLETS

STATION	204.0220 REMOVING INLETS EACH
STH 13	
128+99.5, 19.2' RT	1
TOTALS	1

REMOVING STORM SEWER

STATION	204.0245.01 12-INCH LF
STH 13	
126+34.79 - 132+83.92	19
130+94.48 - 131+04.49	10
TOTALS	29

EARTHWORK SUMMARY

DIVISION	FROM/TO STATION	LOCATION	205.0100 COMMON EXCAVATION (1) CUT (2)	SALVAGED/UNUSABLE PAVEMENT MATERIAL (3)	AVAILABLE MATERIAL (4)	UNEXPANDED FILL	EXPANDED FILL (5) FACTOR 1.20	MASS ORDINATE +/- (6)	WASTE	208.0100 BORROW	COMMENT
DIVISION 1											
STH-13	126+35.21/132+83.91		746	151	595	16	19	576	576	0	
DIVISION 1 SUBTOTAL			746	151	595	16	19	576	576	0	
GRAND TOTAL			746	151	595	16	19	576	576	0	
TOTAL COMMON EXC			746								

NOTES:

(1) COMMON EXCAVATION IS THE SUM OF THE CUT AND EBS EXCAVATION COLUMNS. ITEM NUMBER 205.0100

(2) SALVAGED/UNSUABLE PAVEMENT MATERIAL IS INCLUDED IN CUT.

(3) SALVAGED/UNUSABLE PAVEMENT MATERIAL

(4) AVAILABLE MATERIAL = CUT - SALVAGED/UNUSUABLE PAVEMENT MATERIAL

(5) EXANDED FILL = UNEXPANDED FILL * FILL FACTOR

(6) THE MASS ORDINATE + OR - QTY CALCULATED FOR THE DIVISION. PLUS QUANTITY INDICATES AN EXCESS OF MATERIAL WITHIN THE DIVISION. MINUS INDICATES A SHORTAGE OF MATERIAL WITHIN THE DIVISION.

ALL ITEMS ARE CATEGORY 0010
UNLESS OTHERWISE NOTED

3

FINISHING ROADWAY

PROJECT	213.0100 FINISHING ROADWAY EACH
STH 13	
ID 6130-01-72	1
TOTALS	1

BASE AGGREGATE DENSE 1 1/4-INCH

STATION TO STATION	305.0120 BASE AGGREGATE DENSE 1 1/4-INCH TON
STH 13	
126+34.79 - 132+83.92	387
TOTALS	387

3

CONCRETE PAVEMENT

STATION TO STATION	415.0090 CONCRETE PAVEMENT 9-INCH SY	416.0610 DRILLED TIE BARS EACH	416.0620 DRILLED DOWEL BARS EACH
STH 13			
126+34.79 - 132+83.92	766	320	18
TOTALS	766	320	18

STORM SEWER PIPES

FROM	-	TO	LOCATION	520.8000 CONCRETE COLLARS FOR PIPE	608.0312 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 12-INCH LF	INLET ELEVATION	DISCHARGE ELEVATION	SLOPE FT/FT
12C	-	12(EX)	ALI - STH 13	-	9	826.31	826.30	0.0010
12D(EX)	-	12(EX)	ALI - STH 13	1	8	826.41	826.28	0.0163
13	-	12(EX)	ALI - STH 13	1	8	827.25	827.24	0.0018
			TOTALS	2	25			

CONCRETE CURB & GUTTER

STATION TO STATION	601.0409 30-INCH TYPE A LF
STH 13	
126+34.79 - 132+83.92	776
TOTALS	776

ALL ITEMS ARE CATEGORY 0010
UNLESS OTHERWISE NOTED

STORM SEWER STRUCTURES

STRUCTURE	STATION	OFFSET*	LOCATION	611.0420 RECONSTRUCTING MANHOLES EACH	611.0530 MANHOLE COVERS TYPE J EACH	611.0624 INLET COVERS TYPE H EACH	611.0639 INLET COVERS TYPE H-S EACH	611.3230 INLETS 2X3-FT EACH	611.8110 ADJUSTING MANHOLE COVERS EACH	611.8115 ADJUSTING INLET COVERS EACH	RIM** ELEVATION	INVERT*** ELEVATION	DEPTH**** FT
11(EX)	126+99.07	2.86' RT	ALI - STH 13						1		831.69	825.28	5.42
12(EX)	128+99.11	10.90' RT	ALI - STH 13	1							830.25	825.78	3.48
12C	128+99.35	1.83' RT	ALI - STH 13				1	1			830.03	826.31	2.91
13	131+02.48	7.30' RT	ALI - STH 13			1		1			831.05	827.25	2.97
14(EX)	131+38.99	6.64' RT	ALI - STH 13		1						832.26	827.38	3.80
14B(EX)	131+39.54	19.28' RT	ALI - STH 13							1	831.49	826.83	3.66
			TOTALS	1	1	1	1	2	1	1			

REMARKS:
*STATIONS AND OFFSETS ARE TO CENTER OF STRUCTURE
**RIM ELEV IS AT THE INLET COVER FLANGE LOCATION
***FOR STRUCTURES WITH SUMPS, THE INVERT ELEVATION IS THE ELEVATION OF THE SUMP. FOR STRUCTURES WITHOUT SUMPS, THE INVERT ELEVATION IS THE ELEVATION OF THE LOWEST PIPE FLOW LINE
****DEPTH = RIM ELEV - TOP OF STRUCTURE BASE ELEV - COVER HEIGHT - 6-INCH ADJUSTMENT RING HEIGHT

MAINTENANCE AND REPAIR OF HAUL ROADS

PROJECT	618.0100 MAINTENANCE AND REPAIR OF HAUL ROADS EACH
STH 13	
ID 6130-01-72	1
TOTALS	1

3

MOBILIZATION

PROJECT	619.1000 MOBILIZATION EACH
STH 13	
ID 6130-01-72	0.005
TOTALS	0.005

CONCRETE MEDIAN SLOPED NOSE

STATION TO STATION	620.0300 SLOPED NOSE SF
STH 13	
126+34.79 - 132+83.92	47
TOTALS	47

WATER

STATION TO STATION	624.0100 WATER MGAL
STH 13	
126+34.79 - 132+83.92	4
TOTALS	4

TOPSOIL

STATION TO STATION	625.0100 TOPSOIL SY
STH 13	
126+34.79 - 132+83.92	804
TOTALS	804

EROSION CONTROL MOBILIZATIONS

STATION TO STATION	628.1905 MOBILIZATIONS EROSION CONTROL EACH	628.1910 MOBILIZATIONS EMERGENCY EROSION CONTROL EACH
STH 13		
126+34.79 - 132+83.92	1	2
TOTALS	1	2

MULCHING & SEEDING

STATION TO STATION	628.2006 EROSION MAT URBAN CLASS I TYPE A SY	630.0140 SEEDING MIXTURE NO. 40 LB	630.0200 SEEDING TEMPORARY LB	630.0500 SEED WATER MGAL
STH 13				
126+34.79 - 132+83.92	-	14	-	18
UNDISTRIBUTED	201	-	5	-
TOTALS	201	14	5	18

ALL ITEMS ARE CATEGORY 0010
UNLESS OTHERWISE NOTED

3

INLET PROTECTION

STATION TO STATION	628.7005 INLET PROTECTION TYPE A EACH	628.7015 INLET PROTECTION TYPE C EACH	628.7020 INLET PROTECTION TYPE D EACH
STH 13			
126+34.79 - 132+83.92	3	6	7
TOTALS	3	6	7

SOD

STATION TO STATION	629.0210 FERTILIZER TYPE B CWT	631.0300 SOD WATER MGAL	631.1000 SOD LAWN SY
STH 13			
126+34.79 - 132+83.92	1	9	804
TOTALS	1	9	804

FIELD OFFICE

PROJECT	642.5401 TYPE D EACH
STH 13	
ID 6130-01-72	0.005
TOTALS	0.005

3

TYPE II PERMANENT SIGNING

SIGN NO.	SIGN CODE & SIZE	SIGN TYPE	SIGN MESSAGE	TYPE II SIGN SIZE W IN	x	H IN	637.2210 SIGNS TYPE II REFLC H SF	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH	634.0614 POSTS WOOD 4"X 6"X14' EACH	634.0616 POSTS WOOD 4"X 6"X16' EACH	634.0618 POSTS WOOD 4"X 6"X18' EACH	638.2102 MOVING SIGNS TYPE II EACH	MOUNT ON SAME POST AS SIGN #	REMARKS / NEW SIGN LOCATION
1-1	--	--	--	--	x	--	--	1	1	--	--	--	--	--	--
1-2	--	--	--	--	x	--	--	--	--	--	--	2	1	--	MOVE TO STA 127+10, 2' RT
1-3	--	--	--	--	x	--	--	--	--	--	2	--	1	--	MOVE TO STA 127+82, 4' LT
1-4	R3-20L	(2S)	II	BEGIN LEFT TURN LANE	24	x	36	6.00	--	--	--	1	--	--	--	--
2-1	--	--	--	--	--	x	--	--	--	--	--	--	--	1	--	MOVE AND MOUNT TO LIGHT POLE
2-2	--	--	--	--	--	x	--	--	1	--	--	--	--	--	--	--
2-3	R6-2R	(2S)	II	ONE WAY (RIGHT)	24	x	30	5.00	--	--	--	1	--	--	--	--
2-4	R3-2	(2S)	II	NO LEFT TURN	24	x	24	4.00	--	--	--	--	--	--	2-3	--
2-5	R5-1	(2S)	II	DO NOT ENTER	30	x	30	6.25	--	--	1	--	--	--	--	--
2-6	R5-1	(2S)	II	DO NOT ENTER	30	x	30	6.25	--	--	1	--	--	--	--	--
2-7	R3-2	(2S)	II	NO LEFT TURN	24	x	24	4.00	--	--	1	--	--	--	--	
2-8	--	--	--	--	--	x	--	--	--	--	--	--	--	1	--	MOVE AND MOUNT TO LIGHT POLE
2-9	R5-1A	(2S)	II	WRONG WAY	36	x	24	6.00	--	--	--	--	--	--	--	MOUNT TO EXISTING POST
2-10	--	--	--	--	--	x	--	--	--	--	--	2	--	1	--	MOVE TO STA 129+11, 64' RT
2-11	R5-1A	(2S)	II	WRONG WAY	36	x	24	6.00	--	--	--	--	--	--	2-8	
2-12	R5-1	(2S)	II	DO NOT ENTER	30	x	30	6.25	--	--	1	--	--	--	--	--
2-13	R6-2R	(2S)	II	ONE WAY (RIGHT)	24	x	30	5.00	--	--	--	1	--	--	--	--
2-14	R3-2	(2S)	II	NO LEFT TURN	24	x	24	4.00	--	--	--	--	--	--	2-12	--
2-15	--	--	--	--	--	x	--	--	1	1	--	--	--	--	--	--
2-16	--	--	--	--	--	x	--	--	1	1	--	--	--	--	--	--
	TOTALS						**58.75**	**4**	**3**	**4**	**7**	**2**	**5**			

ALL ITEMS ARE CATEGORY 0010
UNLESS OTHERWISE NOTED

TRAFFIC CONTROL

STAGE	DURATION DAYS	643.0300 TRAFFIC CONTROL DRUMS EACH	643.0300 TRAFFIC CONTROL DRUMS DAY	643.0420 TRAFFIC CONTROL BARRICADES TYPE III EACH	643.0420 TRAFFIC CONTROL BARRICADES TYPE III DAY	643.0705 TRAFFIC CONTROL WARNING LIGHTS TYPE A EACH	643.0705 TRAFFIC CONTROL WARNING LIGHTS TYPE A DAY	643.0715 TRAFFIC CONTROL WARNING LIGHTS TYPE C EACH	643.0715 TRAFFIC CONTROL WARNING LIGHTS TYPE C DAY	643.0810 TRAFFIC CONTROL CONNECTED ARROW BOARD EACH	643.0810 TRAFFIC CONTROL CONNECTED ARROW BOARD DAY	643.0900 TRAFFIC CONTROL SIGNS EACH	643.0900 TRAFFIC CONTROL SIGNS DAY	643.1070 TRAFFIC CONTROL CONES 42-INCH EACH	643.1070 TRAFFIC CONTROL CONES 42-INCH DAY	643.1220 TRAFFIC CONTROL CONNECTED WORK ZONE START AND END LOCATION MARKERS EACH	643.1220 TRAFFIC CONTROL CONNECTED WORK ZONE START AND END LOCATION MARKERS DAY
STH 13																	
STAGE 2 (FALL 2026)	31	30	930	22	682	44	1,364	20	620	2	62	35	1,085	183	5,673	2	62
TOTALS	31	30	930	22	682	44	1,364	20	620	2	62	35	1,085	183	5,673	2	62

3

TRAFFIC CONTROL

STAGE	643.5000 TRAFFIC CONTROL EACH
STH 13	
STAGE 2 (FALL 2026)	0.005
TOTALS	0.005

PAVEMENT MARKING

STATION TO STATION	646.2020 LINE EPOXY 6-INCH LF	646.4020 LINE EPOXY 10-INCH LF	646.5020 ARROW EPOXY EACH	646.5120 WORD EPOXY EACH	646.7120 DIAGONAL EPOXY 12-INCH LF	646.8120 CURB EPOXY LF	646.8220 ISLAND NOSE EPOXY EACH	646.9000 MARKING REMOVAL LINE 4-INCH LF
STH 13								
126+34.79 - 132+83.92	736	699	2	1	89	10	2	102
TOTALS	736	699	2	1	89	10	2	102

CONSTRUCTION STAKING

ITEM	QUANTITY	UNIT	DESCRIPTION
650.4000	2	EACH	CONSTRUCTION STAKING STORM SEWER
650.4500	649	LF	CONSTRUCTION STAKING SUBGRADE
650.5500	776	LF	CONSTRUCTION STAKING CURB GUTTER AND CURB & GUTTER
650.7000	649	LF	CONSTRUCTION STAKING CONCRETE PAVEMENT
650.8501	1	EACH	CONSTRUCTION STAKING ELECTRICAL INSTALLATIONS (ID 6130-01-72)
650.9911	1	EACH	CONSTRUCTION STAKING SUPPLEMENTAL CONTROL (ID 6130-01-72)

ALL ITEMS ARE CATEGORY 0010
UNLESS OTHERWISE NOTED

3

REMOVING PULL BOXES

STATION	653.0905 EACH
STH 13	
128+05.4, 12.6' RT	1
129+05.4, 12.8' RT	1
TOTALS	2

STREET LIGHTING WIRING AND CONDUIT

FROM		TO		652.0225* CONDUIT RIGID NON-METALLIC SCHEDULE 40 2-INCH LF	655.0625 ELECTRICAL WIRE LIGHTING 6 AWG (UNDERGROUND PHASE AND NEUTRAL WIRES) LF	655.0625 ELECTRICAL WIRE LIGHTING 6 AWG (UNDERGROUND GROUND WIRES) LF
EXISTING LIGHT POLE		RELOCATED POLE	STA 128.27.73, 6.54'LT	226	460	230
RELOCATED POLE	STA 128.27.73, 6.54'LT	RELOCATED POLE	STA 130+60.25, 2.30'LT	247	502	251
RELOCATED POLE	STA 130+60.25, 2.30'LT	RELOCATED POLE	STA 132+45.80, 7.10'RT	200	408	204
			SUBTOTAL	673	1,370	685
			TOTAL	673	2,055	

* QUANTITIES SHOWN ELSEWHERE ON PLANS.

3

PULL BOXES NON-CONDUCTIVE 24 X 42-INCH

DESCRIPTION	STATION	653.0164 EACH
STH 13		
PB-119	127+77, 3.8' LT	1
PB-120	130+50, 1.4' LT	1
	TOTALS	2

LUMINAIRE AND POLE MOUNTINGS

DESCRIPTION	STATION	OFFSET	654.0105 CONCRETE BASE TYPE 5 EACH
STH 13			
RELOCATED POLE	128+27.73	6.54'LT	1
RELOCATED POLE	130+60.25	2.30'LT	1
RELOCATED POLE	132+45.80	7.10'RT	1
		TOTALS	3

INTERCONNECT

STATION TO STATION	652.0225* CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH LF	655.0510 ELECTRICAL WIRE TRAFFIC SIGNALS 12 AWG (TRACER WIRE) LF	678.0006 INSTALL FIBER OPTIC CABLE OUTDOOR PLANT 6-CT LF
STH 13			
126+34.79 - 132+83.92	590	590	2,142
TOTALS	590	590	2,142

* QUANTITIES SHOWN ELSEWHERE IN PLANS

FIELD SYSTEM INTEGRATOR

PROJECT	670.0101 FIELD SYSTEM INTEGRATOR EACH
STH 13	
ID 6130-01-72	1
TOTALS	1

ALL ITEMS ARE CATEGORY 0010
UNLESS OTHERWISE NOTED

3

ITS DOCUMENTATION

PROJECT	670.0201 ITS DOCUMENTATION EACH
STH 13	
ID 6130-01-72	1
TOTALS	1

REMOVE CABLE

STATION TO STATION	674.0300 REMOVE CABLE LF
STH 13	
126+34.79 - 132+83.92	1,349
TOTALS	1,349

3

FIBER OPTIC TERMINATION

PROJECT	678.0400 FIBER OPTIC TERMINATION EACH
STH 13	
CB1	6
SC1	6
TOTALS	12

COMMUNICATION SYSTEM TESTING

PROJECT	678.0501 COMMUNICATION SYSTEM TESTING EACH
STH 13	
ID 6130-01-72	1
TOTALS	1

SAWING

STATION TO STATION	690.0250 CONCRETE LF
STH 13	
126+34.79 - 132+83.92	817
TOTALS	817

RELOCATING LIGHTING UNIT

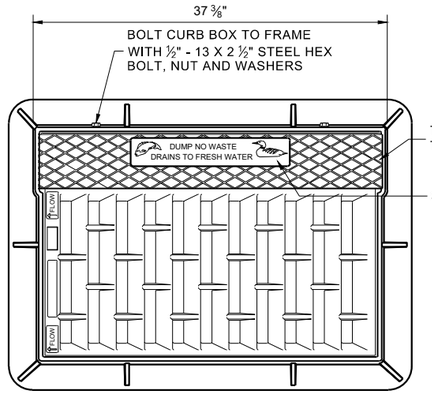
STATION	SPV.0060.016 RELOCATING LIGHTING UNIT EACH
STH 13	
128+27.7, 6.5' LT	1
130+60.3, 2.3' LT	1
132+45.8, 7.1' RT	1
TOTALS	3

ALL ITEMS ARE CATEGORY 0010
UNLESS OTHERWISE NOTED

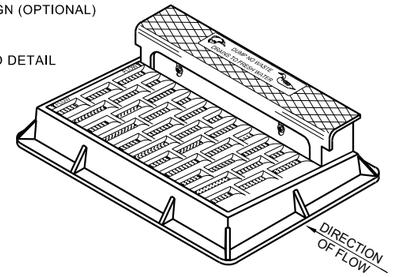
Standard Detail Drawing ListStandard Detail Drawing List

08A05-22A	INLET COVERS TYPE A, H, A-S, H-S & Z
08A05-22E	INLET COVER TYPE BW, MANHOLE COVERS, TYPE K, J, J-S, L & M
08C07-03	INLETS 2X2-FT, 2X2.5-FT, 2X3-FT, 2.5X3-FT & 2X3.5-FT
08D01-24A	CONCRETE CURB & GUTTER
08D01-24B	CONCRETE CURB, TIES AND CURB AND GUTTER APPLICATIONS
08E10-02	INLET PROTECTION TYPE A, B, C AND D
09B02-10	CONDUIT
09B16-03	PULL BOX NON-CONDUCTIVE
11B02-02	CONCRETE MEDIAN NOSE
13C01-19	CONCRETE PAVEMENT LONGITUDINAL JOINTS AND TIES
13C18-08A	CONCRETE PAVEMENT JOINTING
13C18-08B	CONCRETE PAVEMENT STEEL REINFORCEMENT
13C18-08C	CONCRETE PAVEMENT JOINT TYPES
13C18-08D	CONCRETE PAVEMENT JOINTING AT UTILITY FIXTURES
15C05-05	TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 M.P.H. OR LESS TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC
15C07-16B	PAVEMENT MARKING WORDS
15C07-16C	PAVEMENT MARKING ARROWS
15C08-24A	PERMANENT LONGITUDINAL PAVEMENT MARKINGS
15C08-24C	PAVEMENT MARKING (TURN LANES)
15C08-24D	PAVEMENT MARKING (TURN LANES)
15C11-10B	CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS
15C18-09A	MEDIAN ISLAND PAVEMENT MARKINGS
15C18-09B	PAVEMENT MARKINGS, MEDIAN ISLAND NOSE
15D20-11A	TRAFFIC CONTROL, SINGLE LANE CLOSURE, DIVIDED NON-FREEWAY/EXPRESSWAY
15D21-07B	TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LANE CLOSURE

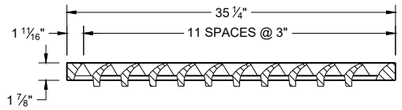
6

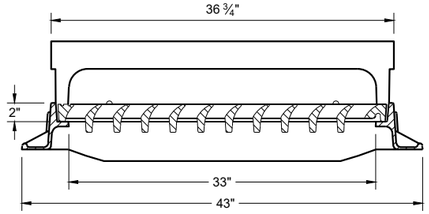


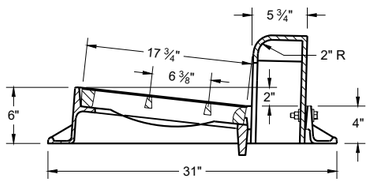
NOTE: EITHER CASTING IS ACCEPTABLE

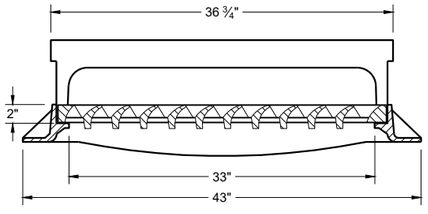


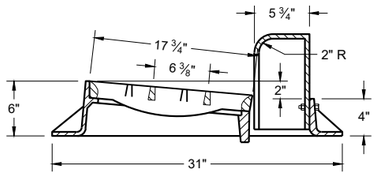
NOTE: CURB BOX HEIGHT ADJUSTABLE 6" - 9"







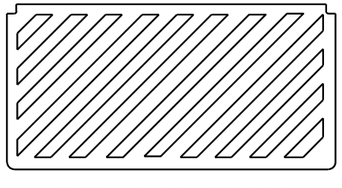




TYPE "H"

NOTE: EITHER CASTING IS ACCEPTABLE

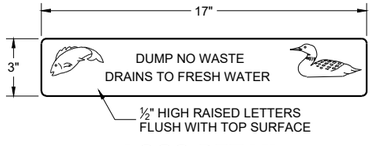
1 1/8" DIAGONAL BARS WITH 1 5/8" OPENINGS



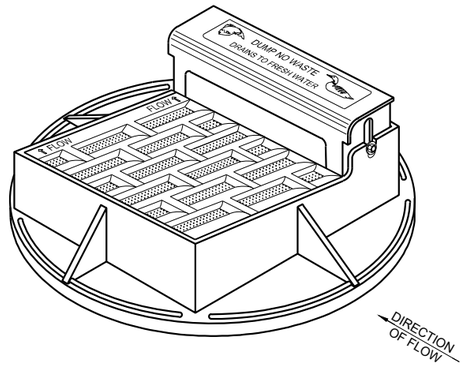
SPECIAL GRATE FOR TYPE "H" COVER

(MEASURES 35" X 17 3/4" X 2")

(NOTED AS TYPE H-S ON DRAINAGE TABLE)

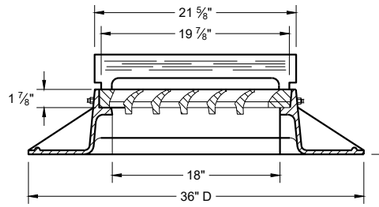


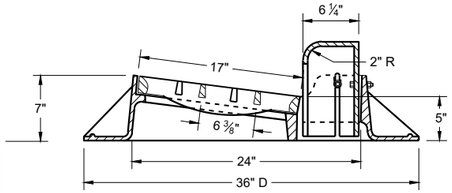
LOGO DETAIL



NOTE: CURB BOX HEIGHT ADJUSTABLE 6" - 9"

NOTE: EITHER CASTING IS ACCEPTABLE





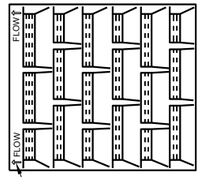
TYPE "A"

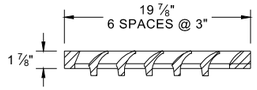
GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

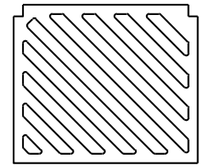
DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR CATCH BASIN, MANHOLE AND INLET COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ROUND FRAMES AND COVERS SHALL HAVE CONTINUOUSLY MACHINED BEARING SURFACES TO PREVENT ROCKING AND RATTLING.





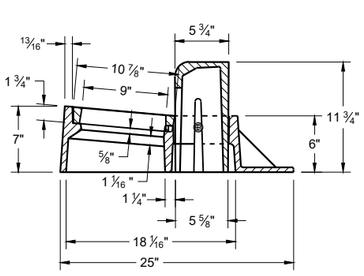
1" DIAGONAL BARS WITH 1 1/2" OPENINGS



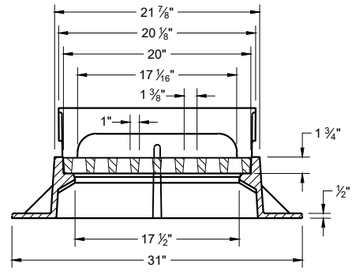
SPECIAL GRATE FOR TYPE "A" COVER

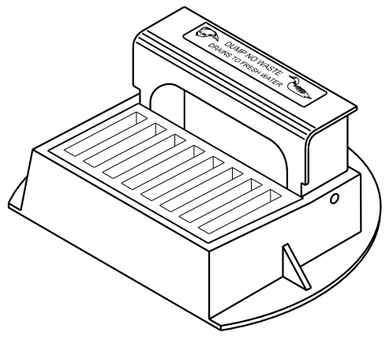
(MEASURES 19 3/4" X 17" X 1 7/8")

(NOTED AS TYPE A-S ON DRAINAGE TABLE)



TYPE "Z"





INLET COVERS
TYPES A, H, A-S, H-S AND Z

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2025
DATE

/S/ Rodney Taylor
ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR

FHWA

6

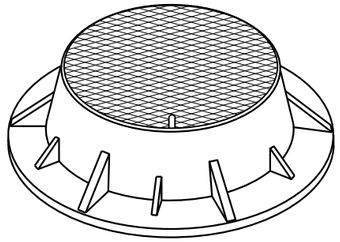
SDD 08A05-22a

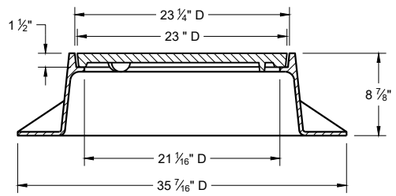
GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR MANHOLE COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

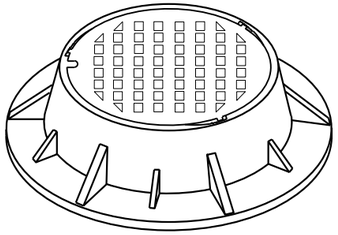
ROUND FRAMES AND COVERS SHALL HAVE CONTINUOUSLY MACHINED BEARING SURFACES TO PREVENT ROCKING AND RATTLING.

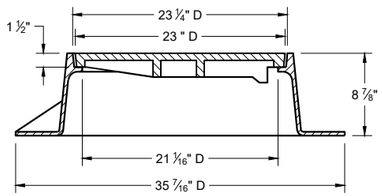




TYPE "J"

NOTE: EITHER CASTING IS ACCEPTABLE

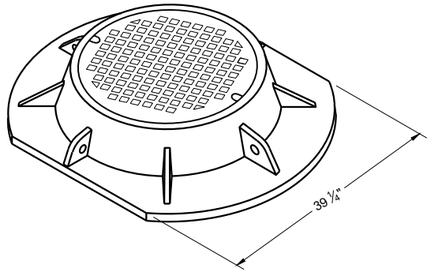


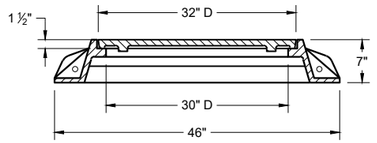


TYPE "J" SPECIAL

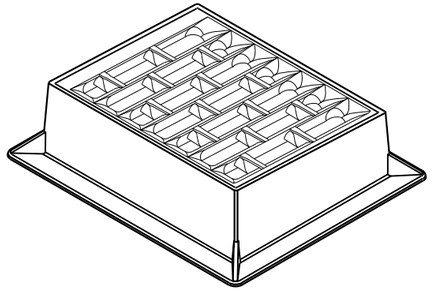
TYPE "B" NON-ROCKING SELF-SEAL LID
(NOTED AS TYPE J-S ON THE DRAINAGE TABLE)

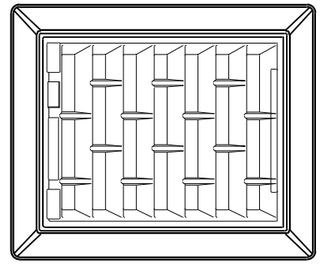
NOTE: EITHER CASTING IS ACCEPTABLE

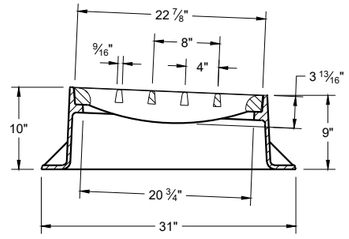


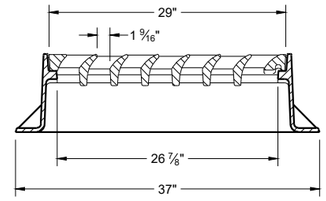


TYPE "K"

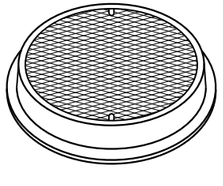


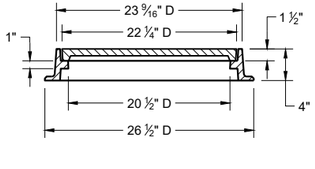




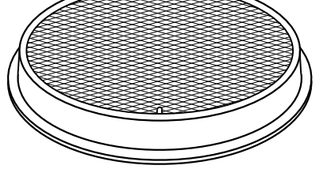


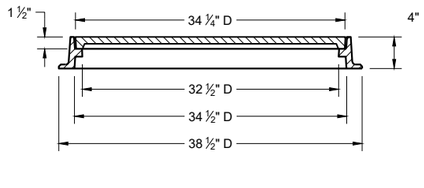
INLET COVER TYPE "BW"





TYPE "L"





TYPE "M"

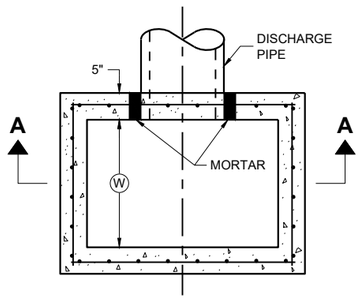
INLET COVERS TYPES BW
MANHOLE COVERS TYPES K, J, J-S, L, AND M

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

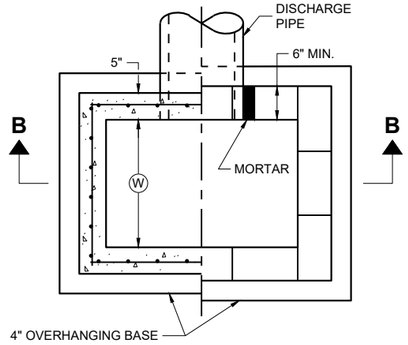
APPROVED
February 2025 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR

FHWA

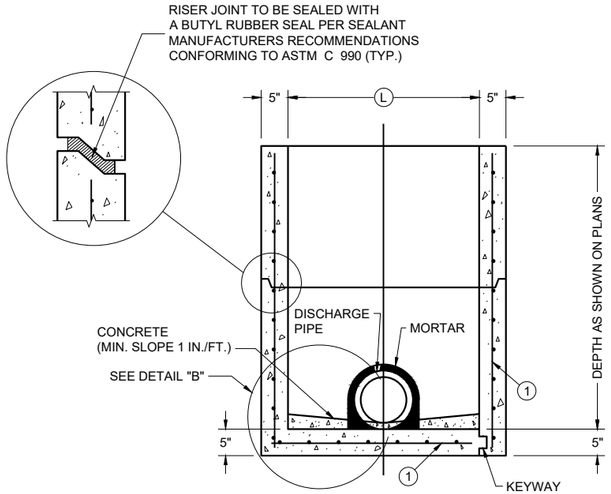
6
SDD 08A05-22e



PLAN VIEW



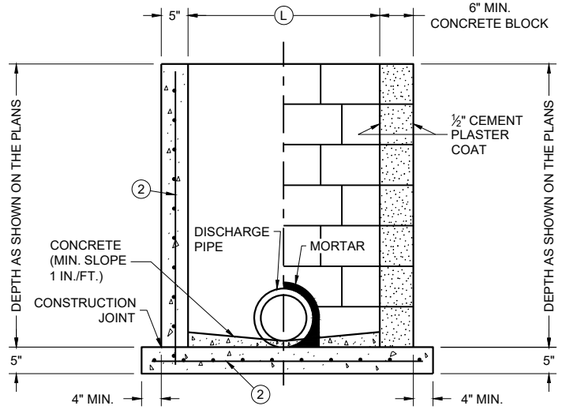
PLAN VIEW



PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE

PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE

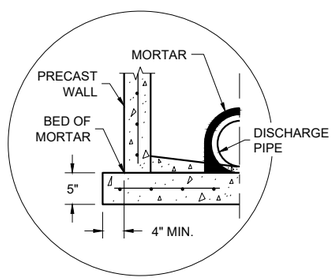
SECTION A - A



CAST IN PLACE REINFORCED CONCRETE

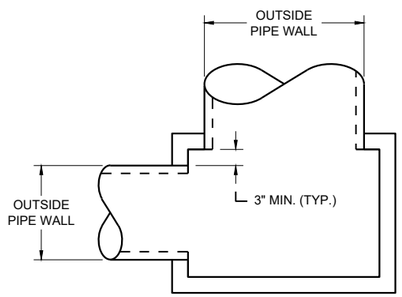
CONCRETE BLOCK WITH CAST IN PLACE OR PRECAST REINFORCED CONCRETE BASE (1)

SECTION B - B



SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

DETAIL "B"



DETAIL "A"

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP N0T SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

UNLESS OTHERWISE AUTHORIZED IN WRITING BY THE ENGINEER, THE CONTRACTOR SHALL NOT ORDER AND DELIVER PRECAST INLET UNITS REQUIRED FOR THE PROJECT UNTIL A LIST OF SIZES IS FURNISHED BY THE ENGINEER.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR UNDERGROUND DRAINAGE STRUCTURES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ALL PRECAST INLET UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF ASTM C 913.

ALL DRAINAGE STRUCTURES ARE DESIGNATED ON THE PLANS AS "MANHOLES 3X3-L", "CATCH BASINS 4-B", "INLETS 2X3-H", ETC. THE FIRST NUMBERS DESIGNATES THE SIZE OF THE STRUCTURE, AND THE FOLLOWING LETTER DESIGNATES THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

BASES SHALL BE PLACED ON A BED OF MATERIAL AT LEAST 6 INCHES IN DEPTH, WHICH MEETS THE REQUIREMENTS OF FOUNDATION BACKFILL. THIS BEDDING SHALL BE COMPACTED AND PROVIDE UNIFORM SUPPORT FOR THE ENTIRE AREA OF THE BASE.

ALL BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2 INCHES CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

PRECAST REINFORCED RISERS SHALL HAVE A TONGUE AND GROOVE JOINT WITH TONGUE UP OR DOWN.

4" OVERHANGING BASES ARE REQUIRED FOR CAST-IN-PLACE REINFORCED CONCRETE AND CONCRETE BLOCK INSTALLATIONS. 4" OVERHANG IS REQUIRED WHEN SEPARATE PRECAST BASE IS PROVIDED. OVERHANG IS NOT REQUIRED ON PRECAST STRUCTURES WITH AN INTEGRAL OR MONOLITHIC BASE.

MAXIMUM INSIDE PIPE DIAMETER DETERMINED BY 3" CLEARANCE ON EACH SIDE OF THE OUTSIDE WALL OF THE PIPE. SEE DETAIL "A". ASSUMES PIPE ENTERS PERPENDICULAR TO THE STRUCTURE.

(1) FOR PRECAST INLETS AND REINFORCED CONCRETE BASES PROVIDE REINFORCING STEEL IN ACCORDANCE TO ASTM C 913
(2) CONTRACTOR TO PROVIDE DRAWING(S) STAMPED BY A PROFESSIONAL ENGINEER FOR STEEL REINFORCING DESIGN FOR CAST-IN-PLACE STRUCTURES.

CATCH BASIN COVER MATRIX

INLET SIZE	WIDTH (W) (FT.)	LENGTH (L) (FT.)	INLET COVER TYPE									
			ALL A'S	ALL B'S	BW	F	ALL H'S	S	T	V	WM	V V-B
2 X 2-FT	2	2	X	X				X				
2 X 2.5-FT	2	2.5			X			X	X	X	X	
2 X 3-FT	2	3					X					
2.5 X 3-FT	2.5	3				X						
2 X 3.5-FT	2	3.5										X

PIPE MATRIX

CATCH BASIN SIZE	MAXIMUM INSIDE PIPE DIAMETER FOR TWO PIPES	
	WIDTH (IN)	LENGTH (IN)
2 X 2-FT	12	12
2 X 2.5-FT	12	18
2 X 3-FT	12	24
2.5 X 3-FT	18	24
2 X 3.5-FT	12	30

INLETS 2 X 2-FT, 2 X 2.5-FT, 2 X 3-FT, 2.5 X 3-FT AND 2X3.5-FT

INLETS 2 X 2-FT, 2 X 2.5-FT, 2 X 3-FT, 2.5 X 3-FT AND 2 X 3.5-FT

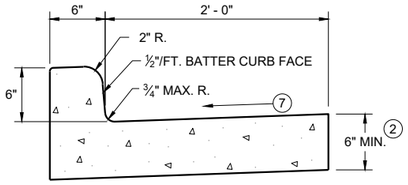
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
December 2023
DATE

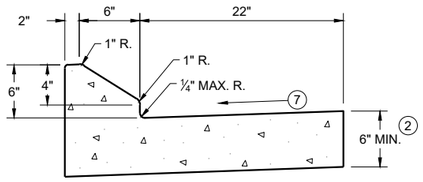
/S/ Rodney Taylor
ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR

FHWA

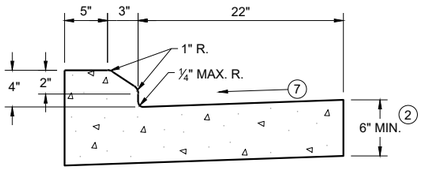
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SDD 08C07-03



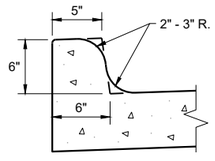
TYPES A (1) & D



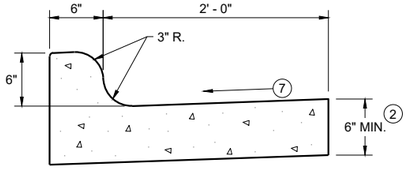
6" SLOPED CURB TYPES G (1) & J



4" SLOPED CURB TYPES G (1) & J

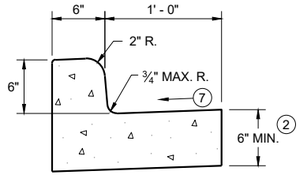


TYPES K (1) & L
(OPTIONAL CURB SHAPE)



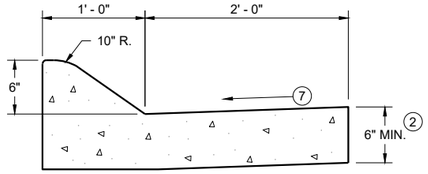
TYPES K (1) & L

CONCRETE CURB AND GUTTER 30"

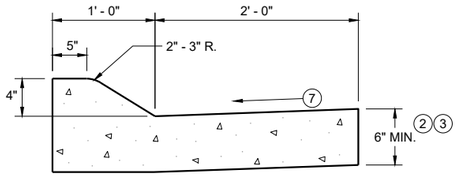


TYPES A (1) & D

CONCRETE CURB AND GUTTER 18"

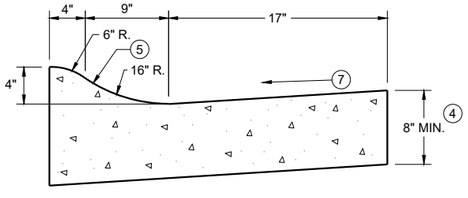


6" SLOPED CURB TYPES A (1) & D



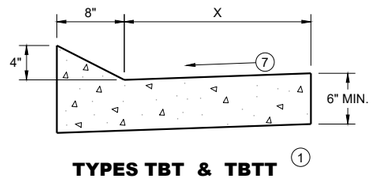
4" SLOPED CURB TYPES A (1) & D

CONCRETE CURB AND GUTTER 36"



4" SLOPED CURB TYPES R (1) & T
CONCRETE CURB AND GUTTER 30"

TBT & TBTT	X
30"	22"
36"	28"

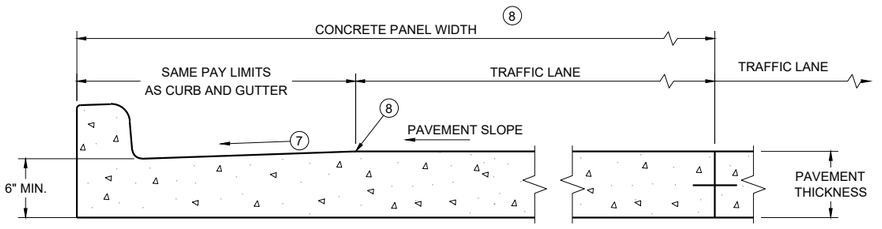


TYPES TBT & TBTT (1)

CONCRETE CURB AND GUTTER

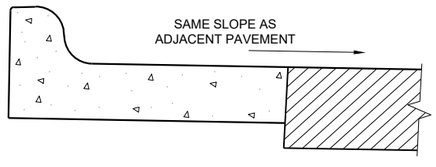
PAVEMENT THICKNESS AND MAXIMUM CONCRETE PANEL WIDTH TABLE

PAVEMENT THICKNESS	MAXIMUM PANEL WIDTH
LESS THAN 10"	12'
10" & ABOVE	15'



PARTIAL SECTION OF PAVEMENT WITH INTEGRAL CURB AND GUTTER *

* BIKE LANE IS NOT SHOWN



REVERSE SLOPE GUTTER (6)
(TYPICAL FOR ALL CURB & GUTTER TYPES)

GENERAL NOTES

DETAILS OF CONSTRUCTION AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

PAVEMENT TIES AND TIE BARS SHALL BE EPOXY COATED IN CONFORMANCE WITH SUBSECTION 505.2.6.2 OF THE STANDARD SPECIFICATIONS.

INTEGRAL CURB AND GUTTER SHALL CONFORM TO THE DETAILS SHOWN FOR CONCRETE CURB AND GUTTER INCLUDING THE TRANSVERSE GUTTER SLOPE.

UNLESS OTHERWISE SHOWN ON THE TYPICAL CROSS SECTIONS, THE BASE AGGREGATE AND COMMON EXCAVATION LIMITS ARE 2' - 0" BEHIND THE BACK OF CURBS.

(1) TIE BARS ARE REQUIRED FOR CURB AND GUTTERS TYPES A, G, K, R, AND TBTT.

(2) THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE AGGREGATE PROVIDED A 6" MINIMUM GUTTER THICKNESS IS MAINTAINED.

(3) USE 8" MINIMUM GUTTER THICKNESS WHEN USED WITH AN ADJACENT CONCRETE TRUCK APRON PLACED BEHIND BACK OF CURB.

(4) THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE AGGREGATE PROVIDED A 8" MINIMUM GUTTER THICKNESS IS MAINTAINED.

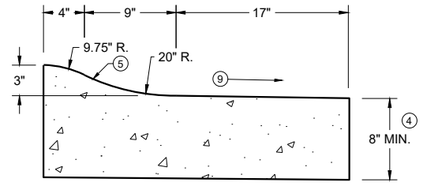
(5) UNLESS OTHERWISE NOTED, FOR STAKING PURPOSES THE FACE OF CURB IS 6" FROM THE BACK OF CURB.

(6) WHEN REVERSE SLOPE GUTTER IS REQUIRED, THE LOCATION(S) WILL BE SHOWN ELSEWHERE IN THE PLAN.

(7) USE 4% GUTTER CROSS SLOPE UNLESS OTHERWISE NOTED IN THE PLANS.

(8) INCLUDE LONGITUDINAL JOINT AND TIE BARS ALONG LANE EDGE WHEN CONCRETE PANEL WIDTH EXCEEDS THE MAXIMUM WIDTH PER TABLE BELOW. LONGITUDINAL JOINT(S) ARE NOT ALLOWED WITHIN TRAFFIC LANES AND BIKE LANES. LONGITUDINAL JOINT MAY BE SAWED.

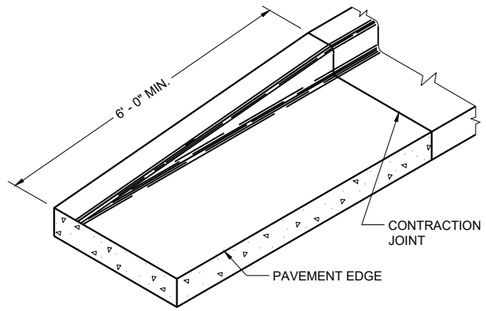
(9) SLOPE TO BE REVERSE SLOPE MATCHING THE SLOPE OF THE PAVEMENT AND THE CIRCULATORY ROADWAY



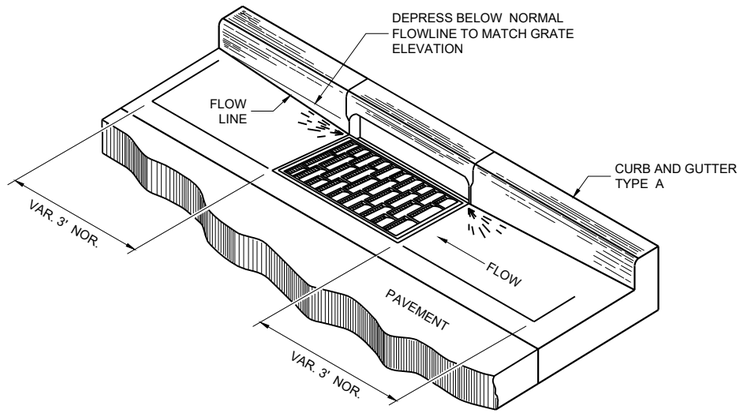
3" SLOPED CURB TYPES R (1) & T

CONCRETE CURB AND GUTTER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



END SECTION CURB AND GUTTER



DETAIL OF CURB AND GUTTER AT INLETS

(TYPICAL H INLET COVER SHOWN)

GENERAL NOTES

DETAILS OF CONSTRUCTION AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

PAVEMENT TIES AND TIE BARS SHALL BE EPOXY COATED IN CONFORMANCE WITH SUBSECTION 505.2.6.2 OF THE STANDARD SPECIFICATIONS.

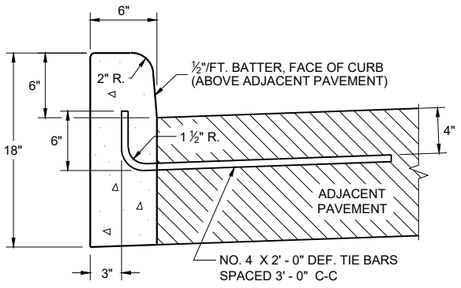
UNLESS OTHERWISE SHOWN ON THE TYPICAL CROSS SECTIONS, THE BASE AGGREGATE AND COMMON EXCAVATION LIMITS ARE 2' - 0" BEHIND THE BACK OF CURBS.

(1) TIE BARS ARE REQUIRED FOR CURB AND GUTTERS TYPES A, G, K, R, AND TBTT.

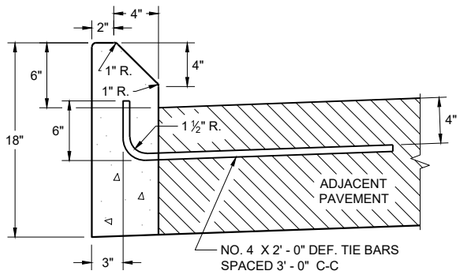
(2) THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE AGGREGATE PROVIDED A 6" MINIMUM GUTTER THICKNESS IS MAINTAINED.

(10) REFER TO SDD 08D18 AND 08D19 FOR ADDITIONAL DRIVEWAY ENTRANCE CURB DETAILS.

(11) PLACE 1" THICK EXPANSION JOINT MATERIAL BETWEEN VERTICAL FACE CURB TYPES EXTENDING FROM THE TOP OF CURB TO 1 INCH BELOW THE ADJOINING CONCRETE SURFACE. RIGID CONCRETE STRUCTURES INCLUDE RAISED CONCRETE MEDIANS, CONCRETE SAFETY ISLANDS, SPLITTER ISLANDS, OR LOCATIONS IDENTIFIED ON THE PLANS.

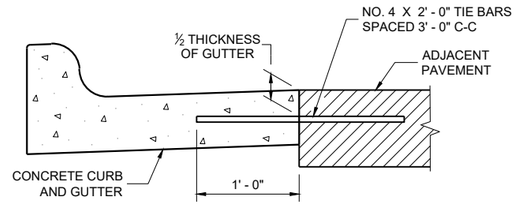


TYPES A (1) & D

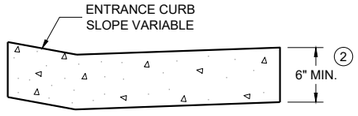


TYPES G (1) & J

CONCRETE CURB

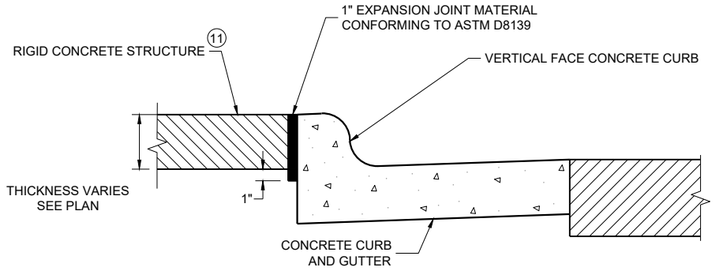


TYPICAL TIE BAR LOCATION (1)

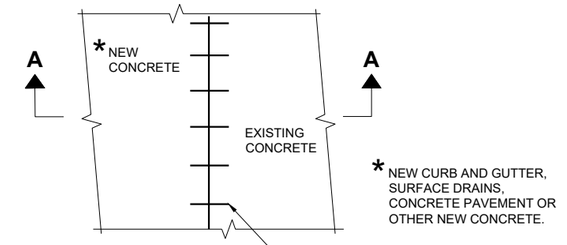


DRIVEWAY ENTRANCE CURB (10)

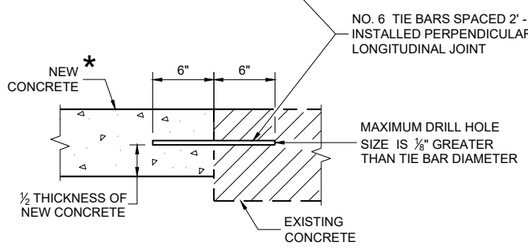
(WHEN DIRECTED BY THE ENGINEER)



EXPANSION JOINT DETAIL FOR VERTICAL CURB ABUTTING A RIGID STRUCTURE (11)



PLAN VIEW



SECTION A - A

TIE BARS DRILLED INTO EXISTING PAVEMENT

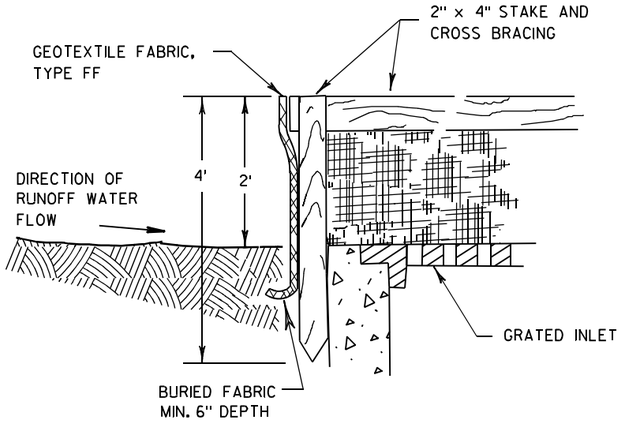
CONCRETE CURB, TIES AND CURB AND GUTTER APPLICATIONS

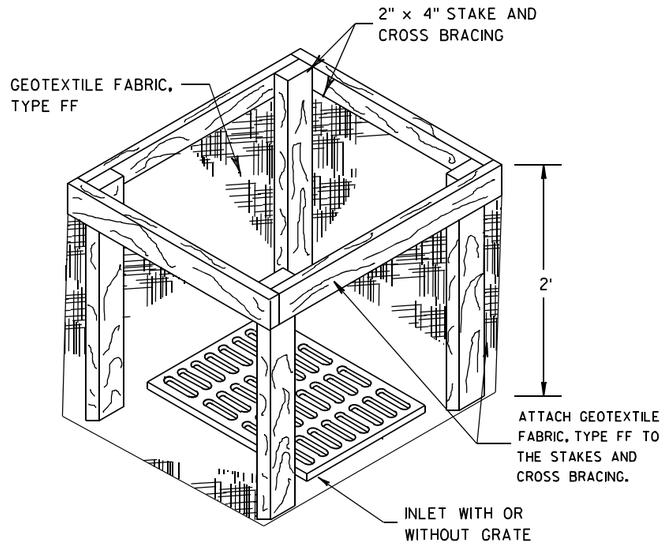
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2025 — DATE
/S/ Rodnery Taylor — ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR

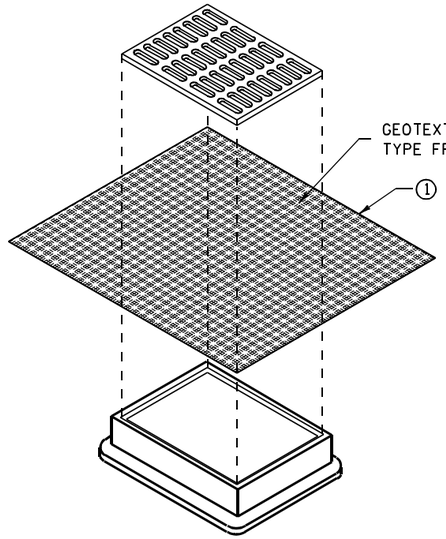
FHWA

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SDD 08D01-24b



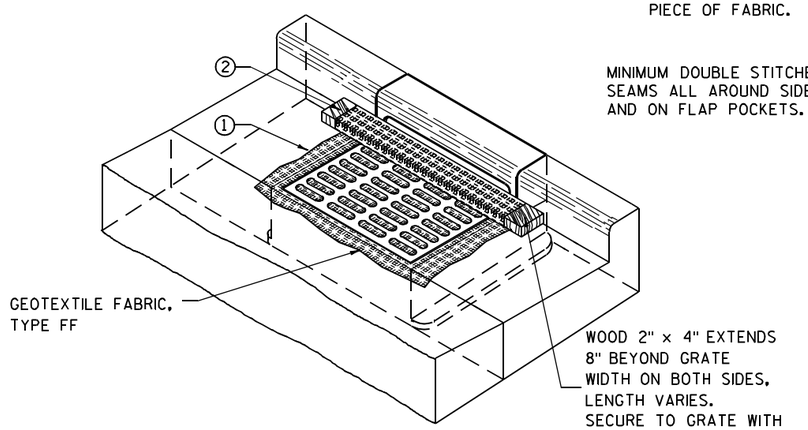


INLET PROTECTION, TYPE A

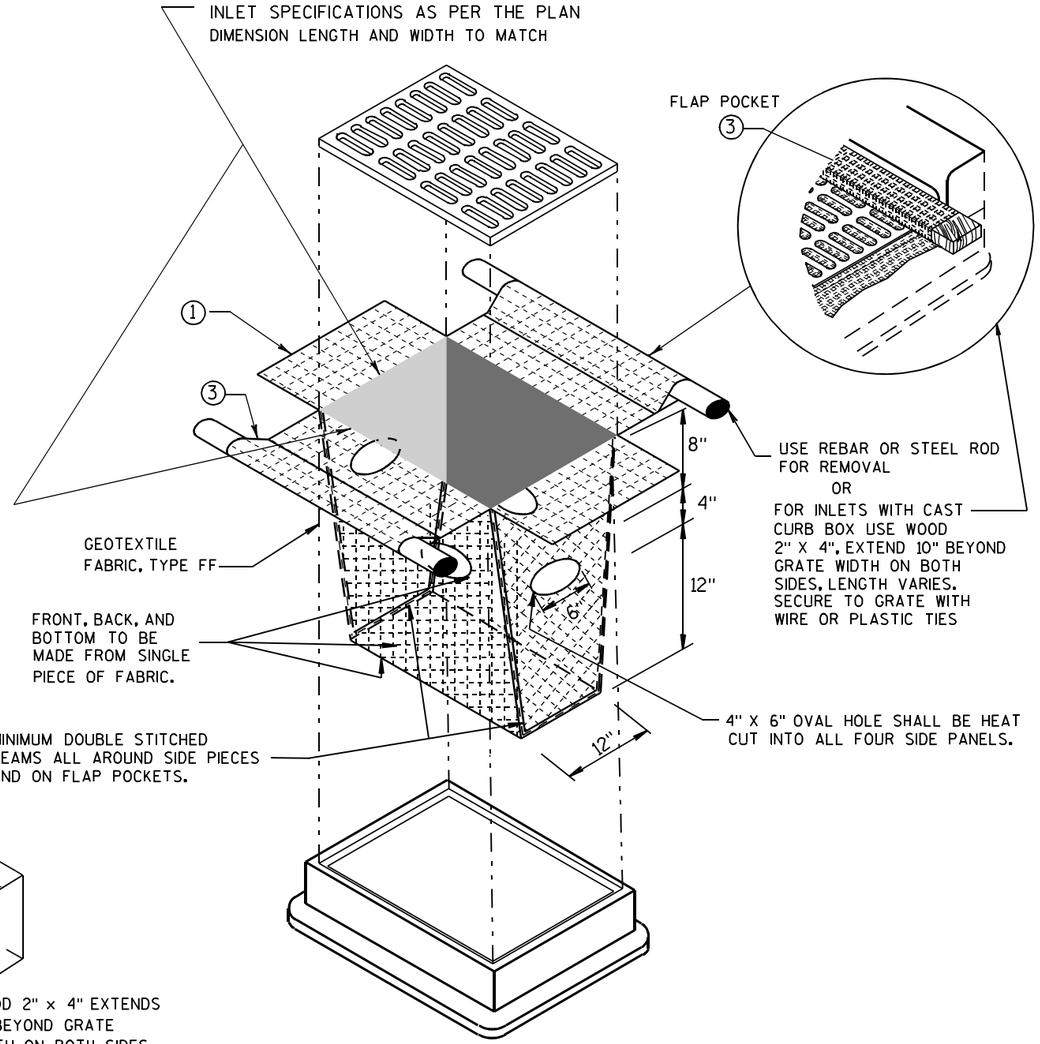


INLET PROTECTION, TYPE B
(WITHOUT CURB BOX)

(CAN BE INSTALLED IN ANY INLET WITHOUT A CURB BOX)



INLET PROTECTION, TYPE C (WITH CURB BOX)



INLET PROTECTION, TYPE D

(CAN BE INSTALLED IN ANY INLET TYPE WITH
OR WITHOUT A CURB BOX AS PER NOTE ②)

GENERAL NOTES

INLET PROTECTION DEVICES SHALL BE MAINTAINED OR REPLACED AT THE DIRECTION OF THE ENGINEER.

MANUFACTURED ALTERNATIVES APPROVED AND LISTED ON THE DEPARTMENT'S EROSION CONTROL PRODUCT ACCEPTABILITY LIST MAY BE SUBSTITUTED.

WHEN REMOVING OR MAINTAINING INLET PROTECTION, CARE SHALL BE TAKEN SO THAT THE SEDIMENT TRAPPED ON THE GEOTEXTILE FABRIC DOES NOT FALL INTO THE INLET. ANY MATERIAL FALLING INTO THE INLET SHALL BE REMOVED IMMEDIATELY.

① FINISHED SIZE, INCLUDING FLAP POCKETS WHERE REQUIRED, SHALL EXTEND A MINIMUM OF 10" AROUND THE PERIMETER TO FACILITATE MAINTENANCE OR REMOVAL.

② FOR INLET PROTECTION, TYPE C (WITH CURB BOX), AN ADDITIONAL 18" OF FABRIC IS WRAPPED AROUND THE WOOD AND SECURED WITH STAPLES. THE WOOD SHALL NOT BLOCK THE ENTIRE HEIGHT OF THE CURB BOX OPENING.

③ FLAP POCKETS SHALL BE LARGE ENOUGH TO ACCEPT WOOD 2X4.

INSTALLATION NOTES

TYPE B & C

TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE.

THE CONTRACTOR SHALL DEMONSTRATE A METHOD OF MAINTENANCE, USING A SEWN FLAP, HAND HOLDS OR OTHER METHOD TO PREVENT ACCUMULATED SEDIMENT FROM ENTERING THE INLET.

TYPE D

DO NOT INSTALL INLET PROTECTION TYPE D IN INLETS SHALLOWER THAN 30", MEASURED FROM THE BOTTOM OF THE INLET TO THE TOP OF THE GRATE.

TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE.

THE INSTALLED BAG SHALL HAVE A MINIMUM SIDE CLEARANCE, BETWEEN THE INLET WALLS AND THE BAG, MEASURED AT THE BOTTOM OF THE OVERFLOW HOLES, OF 3". WHERE NECESSARY THE CONTRACTOR SHALL CINCH THE BAG, USING PLASTIC ZIP TIES, TO ACHIEVE THE 3" CLEARANCE. THE TIES SHALL BE PLACED AT A MAXIMUM OF 4" FROM THE BOTTOM OF THE BAG.

INLET PROTECTION
TYPE A, B, C, AND D

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

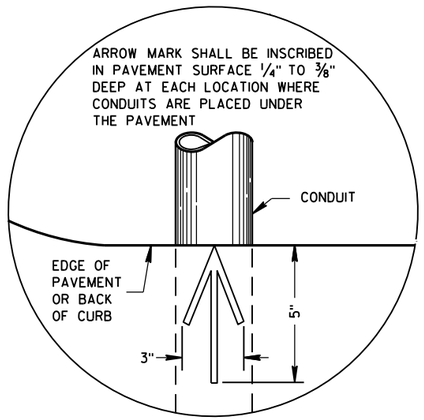
APPROVED

10/16/02
DATE

/S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER

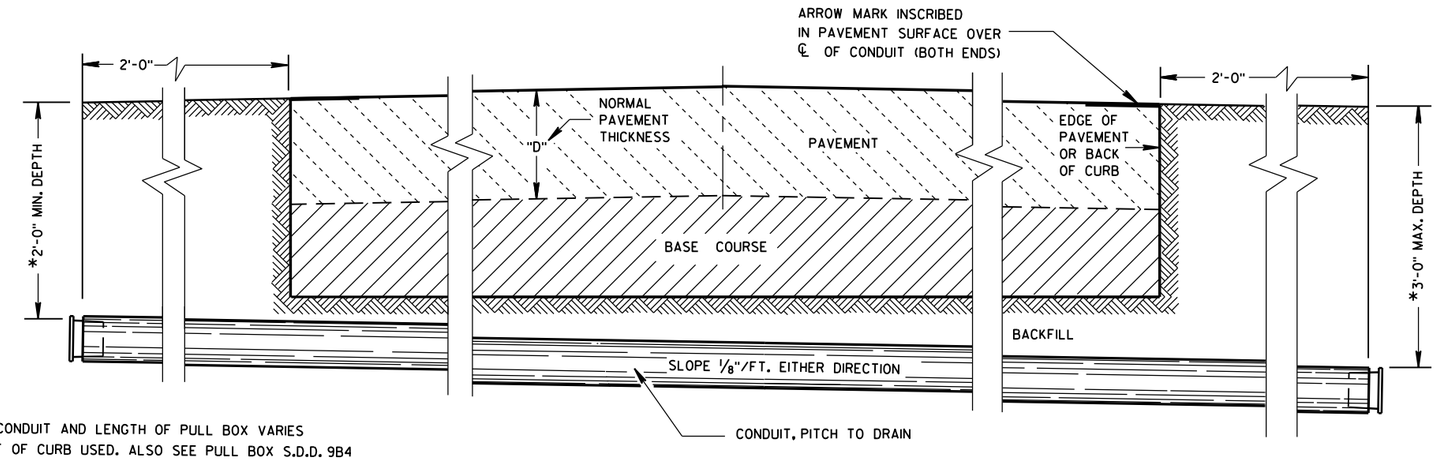
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6
S.D.D. 8 E 10-2



PLAN VIEW

ARROW MARK



*DEPTH OF CONDUIT AND LENGTH OF PULL BOX VARIES WITH HEIGHT OF CURB USED. ALSO SEE PULL BOX S.D.D. 9B4

SIDE ELEVATION

DETAIL FOR CONDUIT UNDER PAVED HIGHWAYS

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

METALLIC (STANDARD SPECIFICATION 652.2.2) OR NONMETALLIC (STANDARD SPECIFICATION 652.2.3) CONDUIT SHALL BE FURNISHED AND PLACED AS SHOWN.

DEPTH OF CONDUIT INSTALLED BELOW THE TRAVELED WAY SHALL BE 24 INCHES MINIMUM AND 36 INCHES MAXIMUM.

DEPTH OF CONDUIT INSTALLED THAT IS NOT BELOW THE TRAVELED WAY SHALL BE 18 INCHES MINIMUM AND 36 INCHES MAXIMUM.

ANY EXCEPTION TO THE MAXIMUM DEPTH SHALL BE ONLY WITH THE WRITTEN APPROVAL OF THE ENGINEER.

THE TRENCH SHALL NOT BE BACKFILLED PRIOR TO INSPECTION OF THE CONDUIT.

ALL METALLIC CONDUIT RACEWAY ENDS SHALL BE REAMED AND THREADED.

ALL METALLIC CONDUIT IN WHICH WIRE OR CABLE IS TO BE INSTALLED SHALL BE BUSHED WITH APPROVED THREADED BUSHINGS BEFORE INSTALLATION OF THE WIRE OR CABLE.

ALL METALLIC CONDUITS IN WHICH WIRE OR CABLE IS NOT TO BE INSTALLED SHALL BE CAPPED WITH THREADED PROTECTIVE CAPS, AS APPROVED BY THE ENGINEER.

ALL NONMETALLIC CONDUIT SHALL BE CAPPED OR PLUGGED IMMEDIATELY AFTER INSTALLATION AND SHALL REMAIN CAPPED OR PLUGGED UNTIL WIRE/CABLES ARE INSTALLED.

NONMETALLIC CONDUITS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED SHALL REMAIN CAPPED OR PLUGGED.

BENDING OF PVC ELECTRICAL CONDUIT SHALL BE ACCOMPLISHED BY USING A BLANKET OR EMERSION TYPE TANK DESIGNED FOR THE PURPOSE OF BENDING PVC ELECTRICAL CONDUIT.

ALL CUT ENDS SHALL BE TRIMMED INSIDE AND OUTSIDE TO REMOVE ALL ROUGH EDGES ON NONMETALLIC CONDUIT. (SEE NEC 347.5)

WHEN REQUIRED TO CONNECT NONMETALLIC CONDUIT TO METALLIC CONDUIT, ONLY U.L. LISTED ADAPTER FITTINGS SHALL BE USED.

PRIOR TO CONDUIT ACCEPTANCE, CONDUIT CAPS OR PLUGS SHALL BE REMOVED, AND THE CAPS, PLUGS AND CONDUIT ENDS SHALL BE THOROUGHLY CLEANED AND THEN THE CAPS OR PLUGS REINSTALLED TO ENSURE THAT THE CAPS OR PLUGS CAN BE EASILY REMOVED IN THE FUTURE.

ALL CONDUIT BEING FURNISHED AND INSTALLED SHALL HAVE THE U.L. LABEL FIRMLY ATTACHED.

CONDUIT RUNS SHALL BE THE SAME SIZE OF CONDUIT FROM ONE END TO THE OTHER (FROM PULL BOX TO PULL BOX-OR-JUNCTION BOX TO JUNCTION BOX-OR-BASE TO BASE, ETC.).

TRACER WIRE SHALL BE INSTALLED AS STATED IN THE STANDARD SPECIFICATION, ITEM 652.3.1.1.

ALL CONDUIT RUNS SHALL BE STRAIGHT (WITHOUT BENDS) FROM PULL BOX TO PULL BOX, PULL BOX TO BASE AND BASE TO BASE AS SHOWN ON THE PLANS.

CONDUIT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
March, 2017 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL
FHWA

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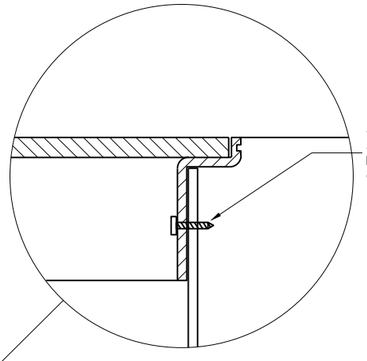
S.D.D. 9 B 2-10

TABLE OF NOMINAL DIMENSIONS
AND WEIGHTS

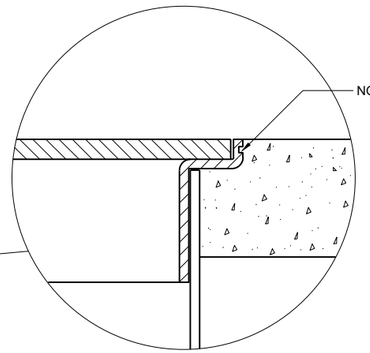
DIMENSION IN INCHES		NON- CONDUCTIVE PULL BOX	
BOX DIAMETER ** (INSIDE)	A	24	24
BOX OVERALL OUTSIDE DIAMETER	B	27	27
BOX LENGTH	C	36	42
FRAME OPENING	D	22 ½	22 ½
WEIGHT IN POUNDS *			
COVER		50	50
BOX ONLY		75	85

*THE ACTUAL WEIGHT OF THE COVER OR BOX ONLY MAY VARY NOT TO EXCEED 100 LBS INDIVIDUALLY.

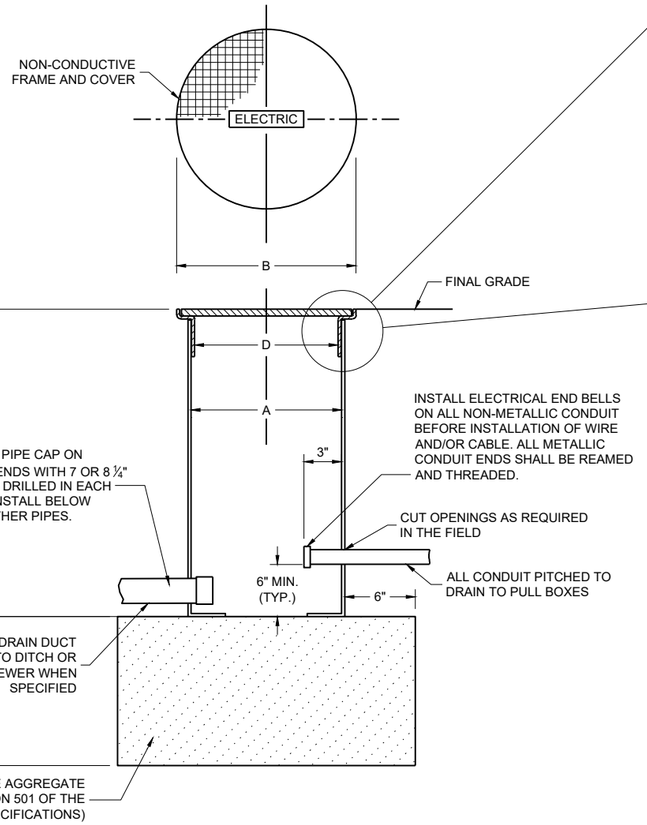
** DIAMETER VARIES FROM TOP TO BOTTOM WITH THE DIAMETER LARGER AT THE BOTTOM TO PREVENT FROST HEAVE.



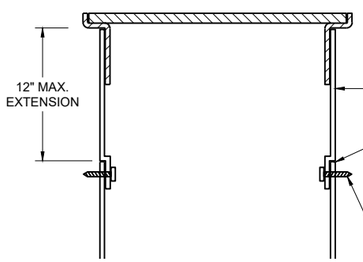
INSTALLED IN SOD OR CRUSHED AGGREGATE



INSTALLED IN SIDEWALK



NON-CONDUCTIVE PULL BOX



BOX EXTENSION

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

ALL BOXES, FRAMES AND COVERS SHALL BE SUITABLE FOR TIER 15 LOADING AS SPECIFIED IN ANSI/SCTE 77.

PROVIDE AN OPENING FOR TOOL ASSISTED COVER REMOVAL NOT LARGE ENOUGH TO PERMIT PASSAGE OF A SPHERE MORE THAN ½" DIAMETER

ENSURE COVER SURFACE IS SKID RESISTANT WITH A COEFFICIENT OF FRICTION OF AT LEAST 0.5 AND VERTICAL SURFACE DICONTINUITIES LESS THAN ¼".

COVER SHALL BE MAGNETICALLY LOCATABLE.

BOXES AND EXTENSIONS ARE TRIMMABLE FOR CUSTOM LENGTHS. TRIMMED PIECES SHALL MAINTAIN A UNIFORM LENGTH.

ENTRANCE HOLES INTO PULL BOXES SHALL BE CUT WITH A CIRCULAR HOLE SAW OR HYDRAULIC CONDUIT PUNCH. HOLE SIZE SHALL BE THE OUTSIDE DIAMETER OF THE CONDUIT THAT IS TO FIT IN THE OPENING PLUS NO MORE THAN ¼".

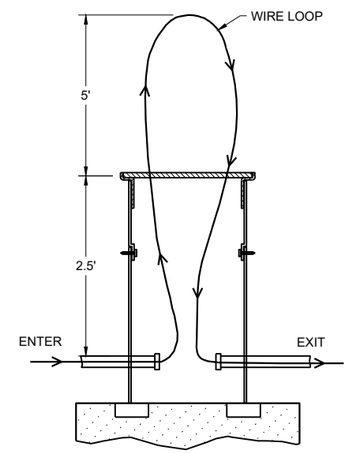
THE CONTRACTOR SHALL NOT INSTALL WIRE IN ANY PULL BOX UNTIL ITS INSTALLATION HAS BEEN INSPECTED AND ACCEPTED BY THE ENGINEER.

ALL METALLIC CONDUIT IN WHICH WIRE AND/OR CABLE IS TO BE INSTALLED, SHALL BE BUSHED BEFORE INSTALLATION OF THE WIRE AND/OR CABLE.

ENTIRE BOX MUST BE CONSTRUCTED OF NON-CONDUCTIVE MATERIALS WITH THE EXCEPTION OF STAINLESS STEEL FASTENERS AND MAGNETIC LOCATABLE DEVICE.

WHEN A PULL BOX IS INSTALLED IN CRUSHED AGGREGATE SHOULDERS, PLACE IT 2-3 INCHES BELOW GRADE AND COVER IT WITH 2-3 INCHES OF CRUSHED AGGREGATE.

LABEL ON COVER SHALL READ "ELECTRIC" FOR SIGNAL AND LIGHTING SYSTEMS, "WISDOT ITS" FOR COMMUNICATIONS AND ITS EQUIPMENT SYSTEMS.



MEASUREMENT DETAIL FOR WIRE/CABLE IN THE PULL BOX

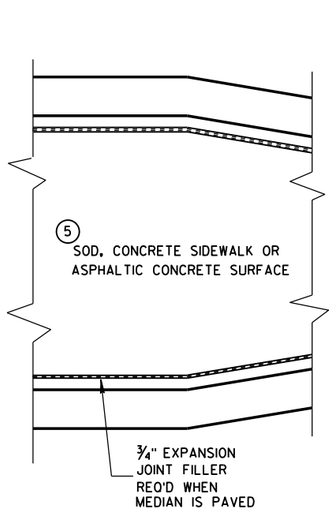
PULL BOXES NON-CONDUCTIVE

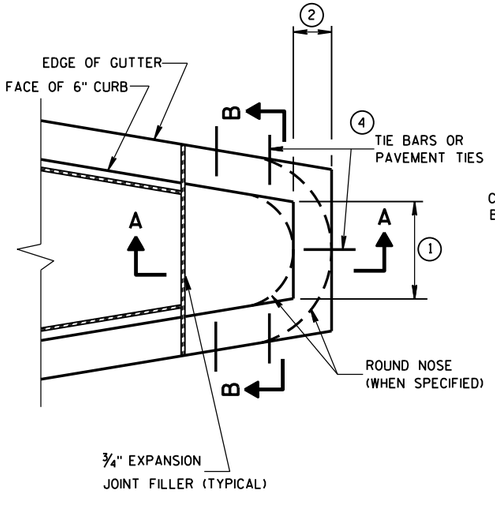
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

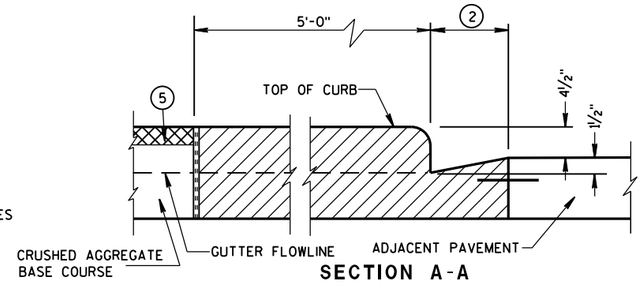
APPROVED
November 2024 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL ENGINEER

FHWA

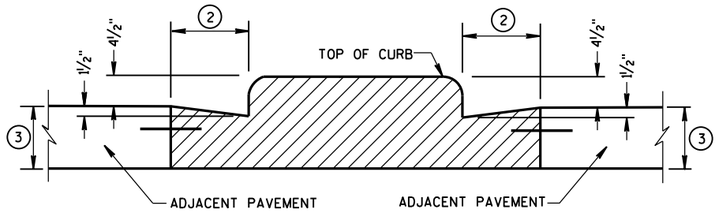
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SDD 09B16-03







SECTION A-A



SECTION B-B

CONCRETE MEDIAN BLUNT NOSE DETAIL

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

(1) SEE PLAN FOR MEDIAN NOSE WIDTH AND RADIUS (FOR ROUND NOSE ALTERNATE).

(2) WIDTH OF GUTTER TO MATCH EXISTING ADJACENT GUTTER OR AS SPECIFIED ELSEWHERE IN THE PLAN.

(3) DEPTH EQUAL TO ADJACENT PAVEMENT. ADJACENT PAVEMENT STRUCTURE DETAILS ARE SHOWN ON THE PLAN. TYPICAL OPTIONS ARE:

(1) NEW OR EXISTING CONCRETE PAVEMENT.

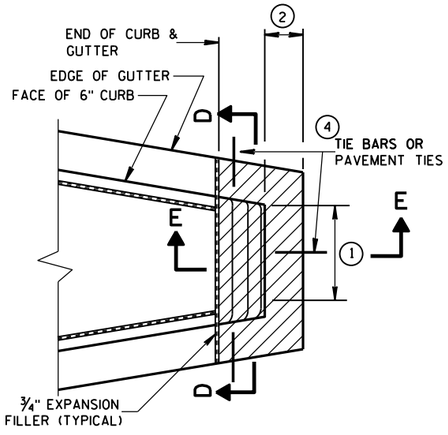
(2) ASPHALTIC CONCRETE PAVEMENT OVER NEW OR EXISTING CONCRETE BASE COURSE.

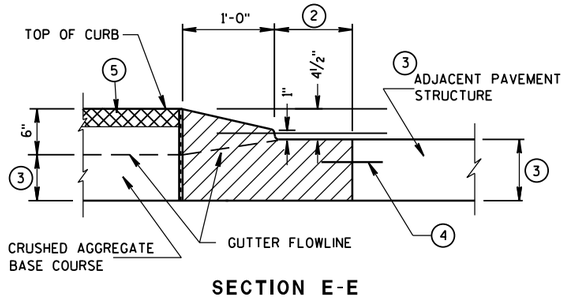
(3) ASPHALTIC CONCRETE PAVEMENT OVER CRUSHED AGGREGATE BASE COURSE.

(4) TIE BARS OR PAVEMENT TIES REQUIRED IN NEW CONCRETE PAVEMENT OR CONCRETE BASE COURSE. TIE BARS SHALL BE NO. 4 X 2'-0" SPACED AT 2'-0" C-C.

PAVEMENT TIES REQUIRED IN EXISTING CONCRETE BASE COURSE. PAVEMENT TIES SHALL BE NO. 6 X 1'-0" SPACED AT 3'-0" C-C INSTALLED ON A HORIZONTAL SKEW OF 6:1. THE DIRECTION OF SKEW SHALL ALTERNATE AFTER EVERY ONE OR TWO BARS.

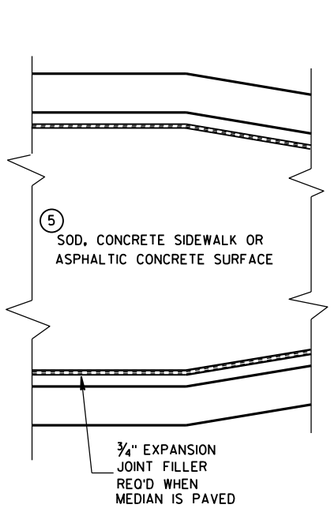
(5) SURFACE TYPE AND DETAILS ARE SHOWN ELSEWHERE IN THE PLAN.

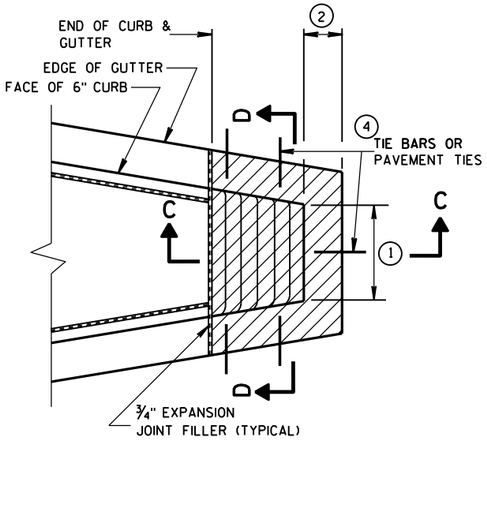


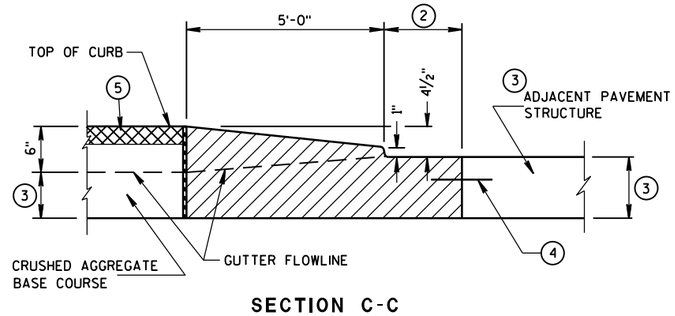


SECTION E-E

CONCRETE MEDIAN SLOPED NOSE TYPE 2

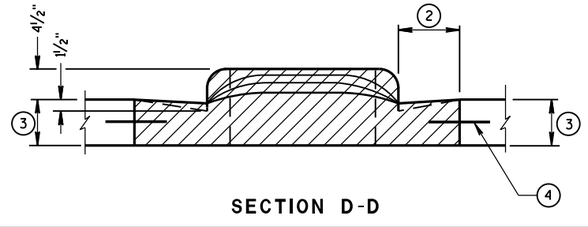






SECTION C-C

CONCRETE MEDIAN SLOPED NOSE TYPE 1



SECTION D-D

CONCRETE MEDIAN NOSE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

6/8/2006
DATE

/S/ Jerry H. Zogg
ROADWAY STANDARDS DEVELOPMENT ENGINEER

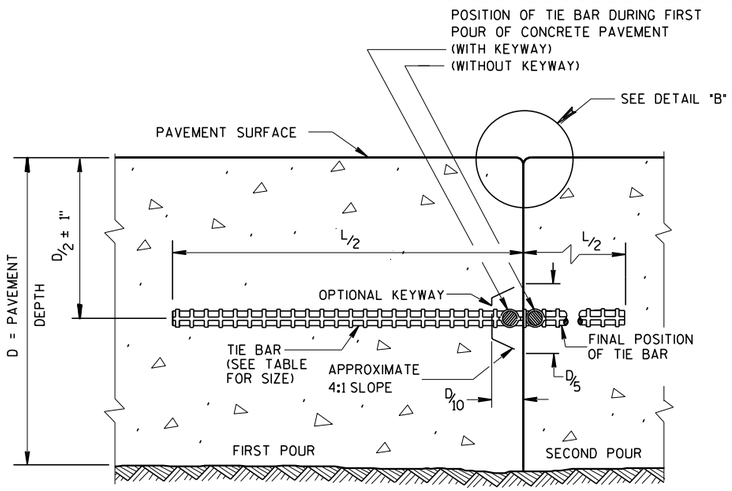
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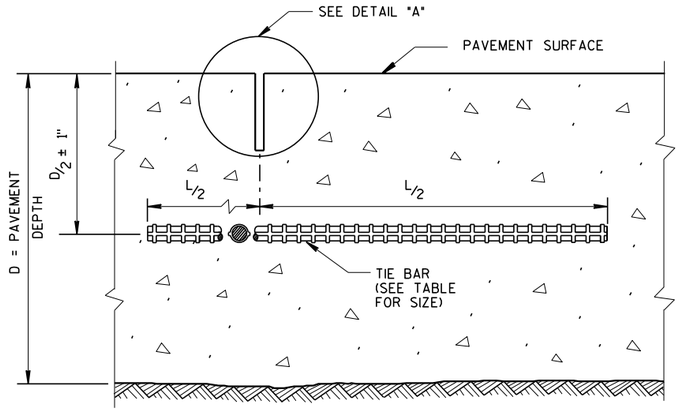
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S.D.D. 11 B 2-2



CONSTRUCTION JOINT



SAWED JOINT

GENERAL NOTES

CREATE A LONGITUDINAL JOINT FOR PAVEMENT WIDTHS GREATER THAN 15 FEET.

CORRELATE LONGITUDINAL JOINTS WITH LANE LINES WHEN POSSIBLE.

(1) ANCHOR TIE BARS INTO DRILLED HOLES WITH AN EPOXY.

(2) PAVEMENT THAT WAS IN PLACE PRIOR TO THE CONTRACT.

PLAN VIEW

SECTION A-A

LONGITUDINAL CONSTRUCTION JOINT TIE BARS ANCHORED INTO EXISTING PAVEMENT

DETAIL "A"

DETAIL "B"

DETAIL "C"

TIE BAR TABLE

PAVEMENT DEPTH (D)	TIE BAR SIZE	TIE BAR LENGTH (L)	MAX. TIE BAR SPACING
< 10 1/2"	NO. 4	30"	36"
≥ 10 1/2"	NO. 5	36"	36"
	NO. 4 *	30"	24" **

* SUBSTITUTE BENT BARS AT LONGITUDINAL JOINTS WHEN EQUIPMENT LIMITATIONS DURING CONSTRUCTION WARRANT (e.g. AUXILIARY LANES OR TURN LANES)

** CONFORM TO 15" MINUMUM SPACING FROM TRANSVERSE JOINTS; SPACING BETWEEN TIE BARS WILL BE 30" AT TRANSVERSE JOINTS.

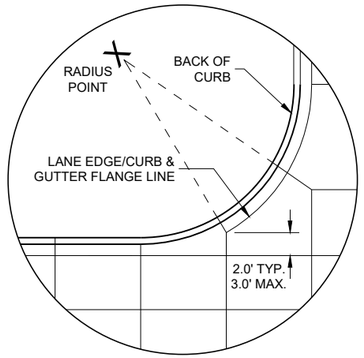
PLAN VIEW
SHOWING LOCATION OF TIE BARS

CONCRETE PAVEMENT LONGITUDINAL JOINTS AND TIES

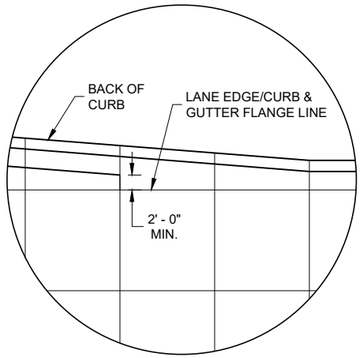
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
March 2018
DATE
/S/ Peter Kerr, P.E.
PAVEMENT SUPE
FHWA

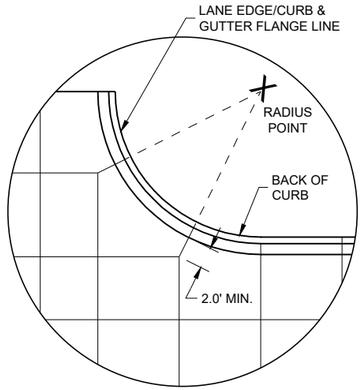
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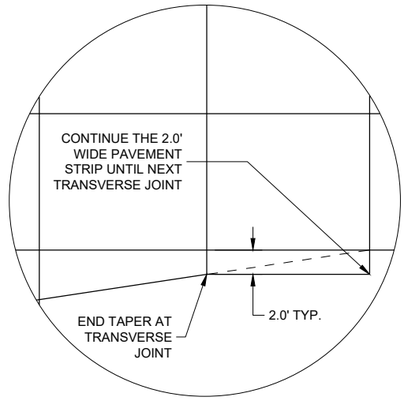
DETAIL "A"



DETAIL "B"



DETAIL "C"



DETAIL "D"

GENERAL NOTES

THE PRIMARY ROADWAY CONTROLS THE TRANSVERSE JOINT PATTERN.

ALIGN NEW JOINTS WITH EXISTING JOINTS OR CRACKS.

CONSTRUCT TRANSVERSE JOINTS PERPENDICULAR TO THE ROADWAY.

ADJUST TRANSVERSE JOINTS TO ALIGN WITH UTILITY FIXTURES (E.G MANHOLES AND INLETS) IN THE PAVEMENT STRUCTURE WHEN POSSIBLE. WATER VALVES DO NOT REQUIRE JOINT ADJUSTMENT.

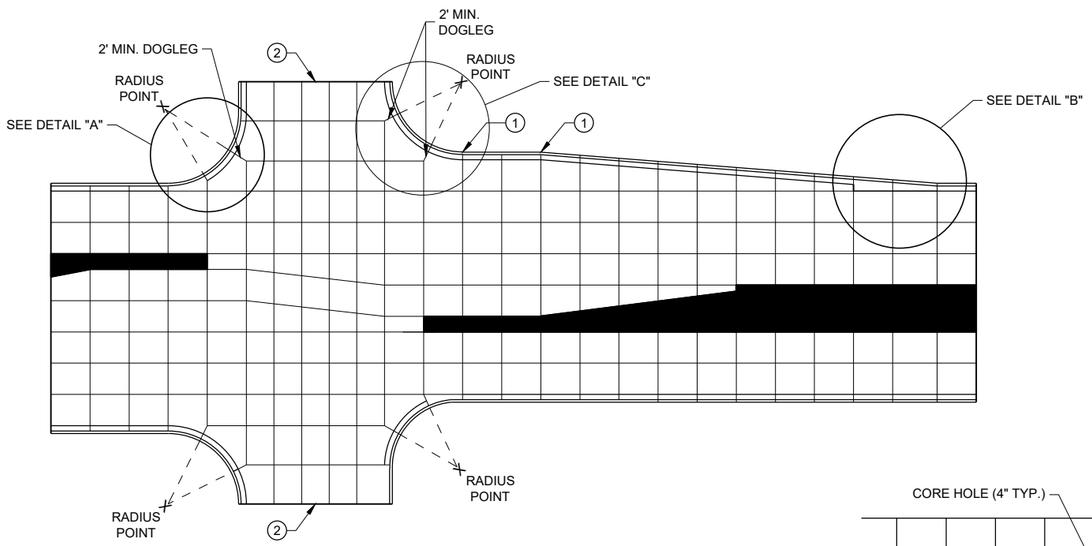
AVOID SLABS LESS THAN 2 FEET WIDE OR GREATER THAN 15 FEET WIDE.

SEE TABLE FOR TRANSVERSE JOINT SPACING. JOINT SPACING SPECIFIED IS MAXIMUM AND ACTUAL SPACING CAN BE ADJUSTED TO ACCOMMODATE INTERSECTIONS.

AVOID ANGLES LESS THAN 60° BY DOGLEGGING JOINTS THROUGH CURVE RADIUS POINTS. USE 90° ANGLES WHEN POSSIBLE.

CORRELATE LONGITUDINAL JOINTS WITH LANE LINES WHEN POSSIBLE.

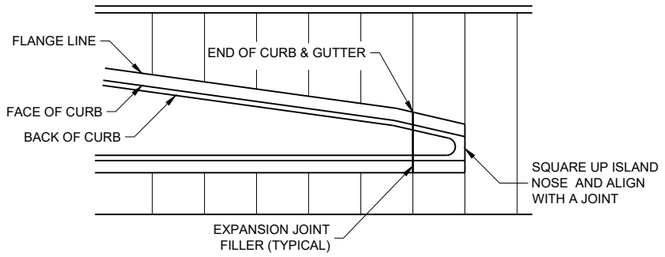
1. PROVIDE TRANSVERSE JOINTS AT ALL PAVEMENT WIDTH CHANGES.
2. CONSTRUCT DOWELED EXPANSION JOINT ON THE SIDE ROAD OF AN INTERSECTION IF THE SIDE ROAD IS CONCRETE PAVEMENT AND GREATER THAN 300 FEET IN LENGTH. ALIGN EXPANSION JOINT WITH EDGE OF RADIUS.
3. THE ENGINEER MAY APPROVE SLIGHT VARIATIONS FROM THESE JOINTING DETAILS.



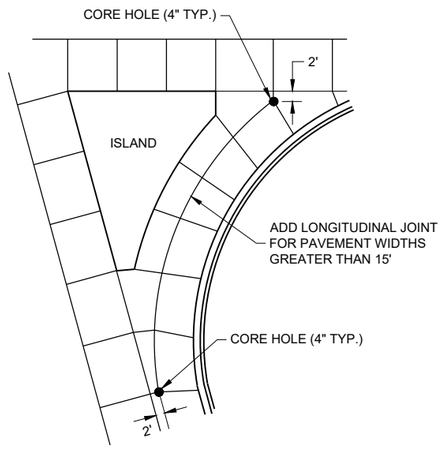
STANDARD INTERSECTION

PAVEMENT DEPTH AND JOINT SPACING TABLE

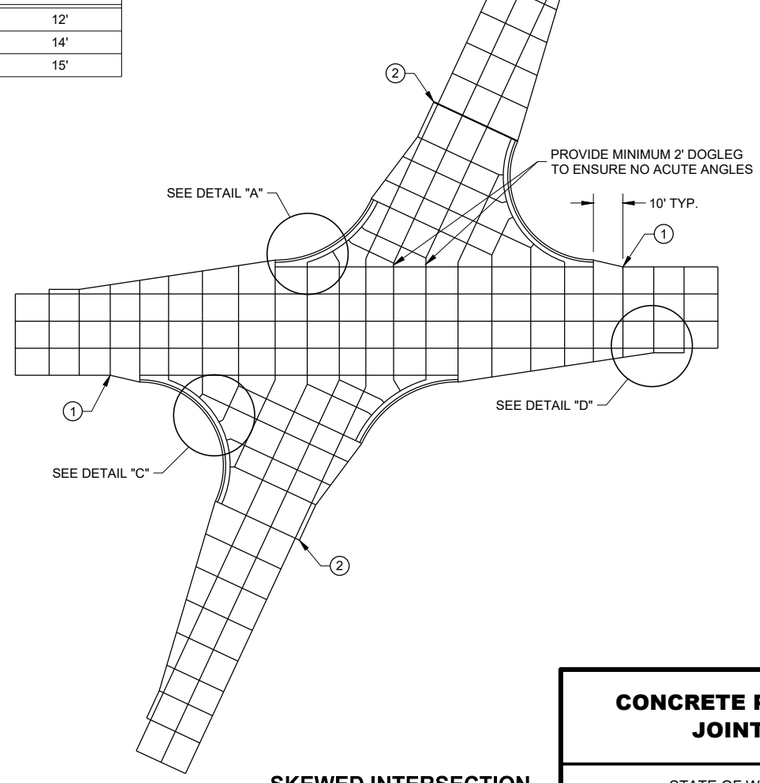
PAVEMENT DEPTH (D)	CONTRACTION JOINT SPACING
6", 6 ½"	12'
7", 7 ½"	14'
8" & ABOVE	15'



APPROACH TO MEDIAN



LARGE RIGHT TURN



SKEWED INTERSECTION

CONCRETE PAVEMENT JOINTING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 13C18 - 08a

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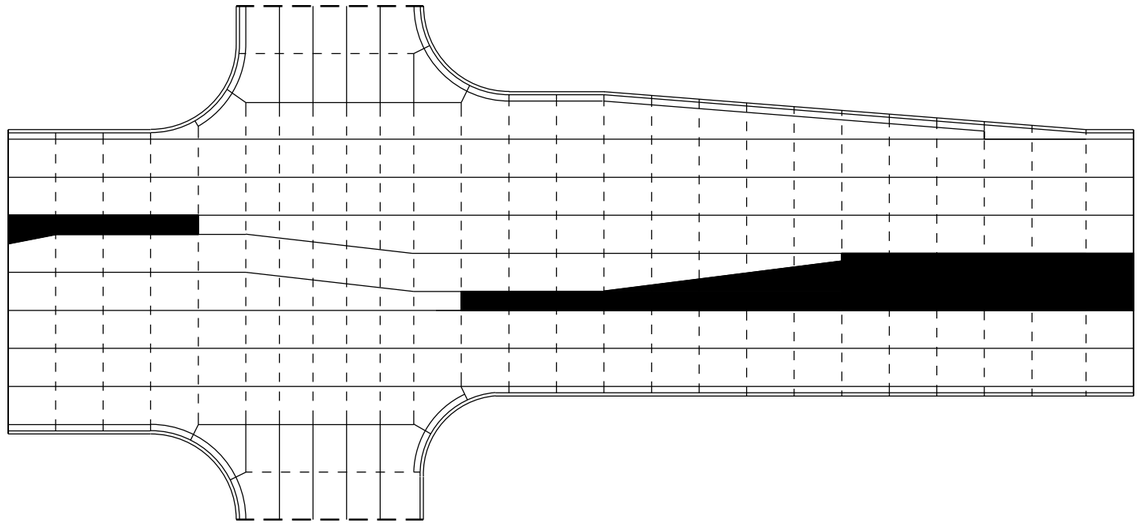
SDD 13C18 - 08a

LEGEND

POTENTIAL DOWELED EXPANSION JOINT

DOWELED JOINT

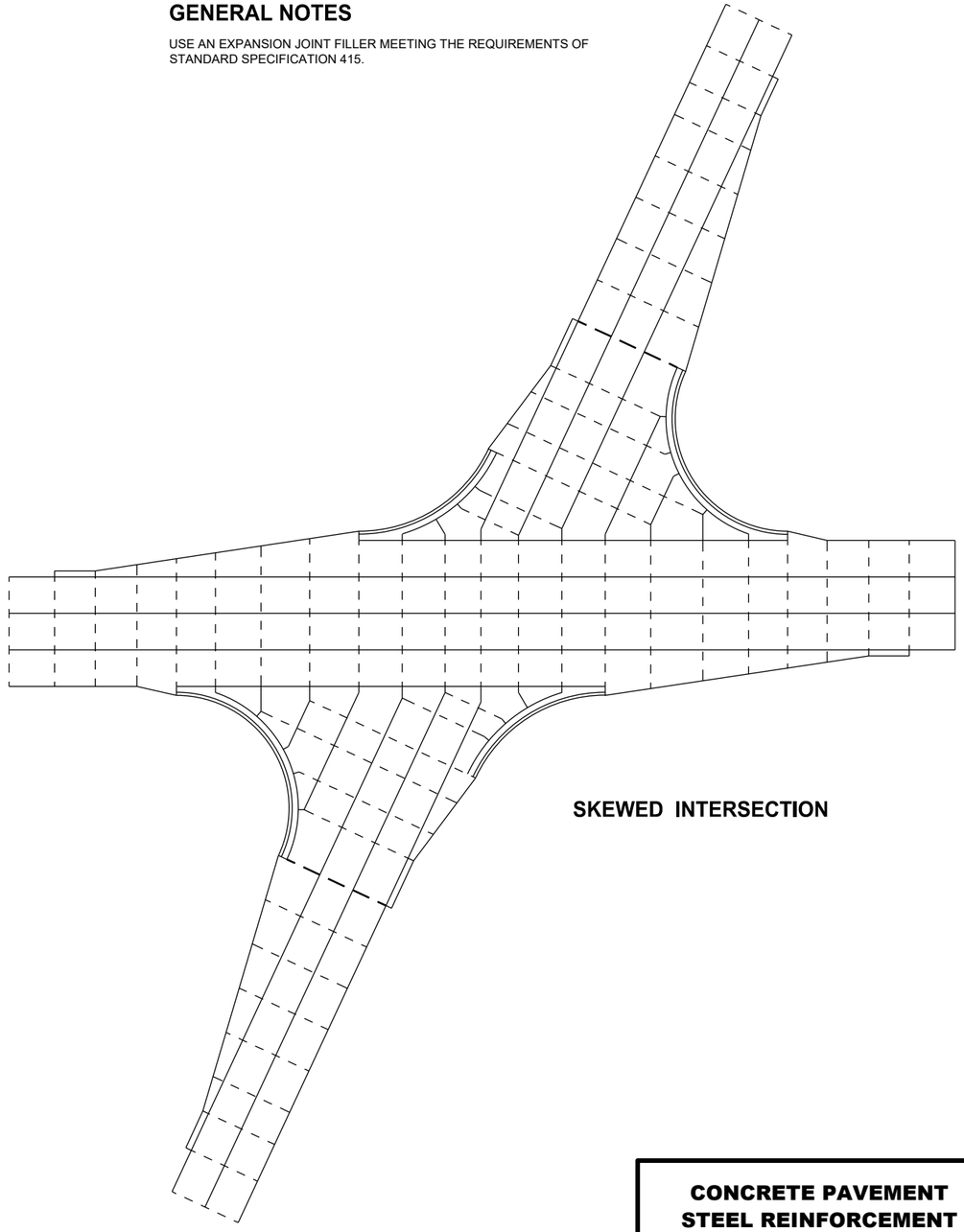
TIED JOINT



STANDARD INTERSECTION

GENERAL NOTES

USE AN EXPANSION JOINT FILLER MEETING THE REQUIREMENTS OF STANDARD SPECIFICATION 415.



SKEWED INTERSECTION

6

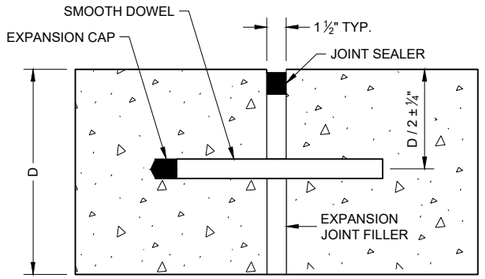
SDD 13C18 - 08b

CONCRETE PAVEMENT STEEL REINFORCEMENT

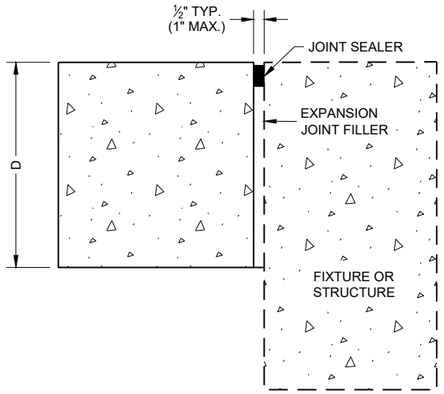
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 13C18 - 08b



DOWELED TRANSVERSE (1)



UNTIED - LONGITUDINAL

EXPANSION JOINTS

TIE BAR TABLE

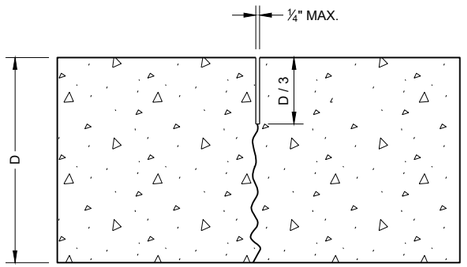
PAVEMENT DEPTH (D)	TIE BAR SIZE	TIE BAR LENGTH (L)	MAX. TIE BAR SPACING
< 10 ½"	NO. 4	30"	36"
≥ 10 ½"	NO. 5	36"	36"
	NO. 4 *	30"	24" **

* SUBSTITUTE BENT BARS AT LONGITUDINAL JOINTS WHEN EQUIPMENT LIMITATIONS DURING CONSTRUCTION WARRANT (e.g. AUXILIARY LANES OR TURN LANES)

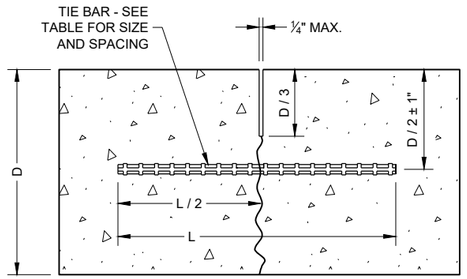
** CONFORM TO 15" MINIMUM SPACING FROM TRANSVERSE JOINTS; SPACING BETWEEN TIE BARS WILL BE 30" AT TRANSVERSE JOINTS.

GENERAL NOTES

1. USE DOWELED EXPANSION JOINTS ON SIDE ROADS AT INTERSECTIONS (TO ISOLATETHE SIDE ROAD FROM THE THROUGH STREET) IF THE SIDE ROAD IS CONCRETE PAVEMENT AND GREATER THAN 300 FEET IN LENGTH.
2. SPACE CONTRACTION JOINTS IN ACCORDANCE WITH SDD 13C4, 13C11 OR 13C13.
3. LOCATE CONSTRUCTION JOINTS A MINIMUM OF 6 FEET FROM THE NEAREST CONTRACTION JOINT AND ALIGN PARALLEL TO CONTRACTION JOINTS.
4. CONSTRUCTION JOINTS CAN BE FORMED OR SAWED.
5. IF JOINT IS FORMED, PROVIDE A ¼" RADIUS.
6. ANCHOR TIE BARS INTO DRILLED HOLES WITH AN EPOXY.



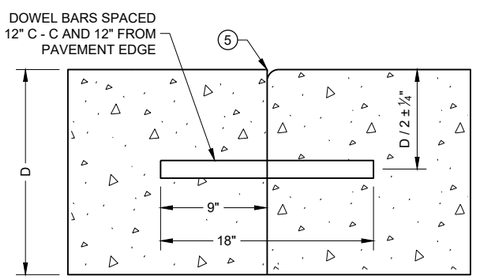
UNDOWELED TRANSVERSE



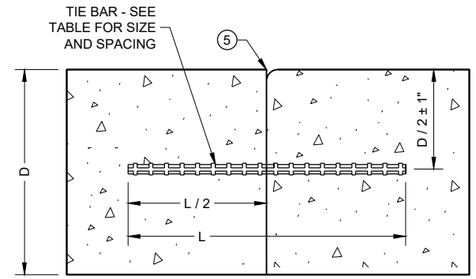
TIED LONGITUDINAL

DOWELED TRANSVERSE

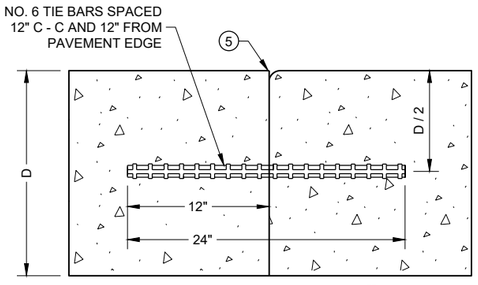
CONTRACTION JOINTS (2)



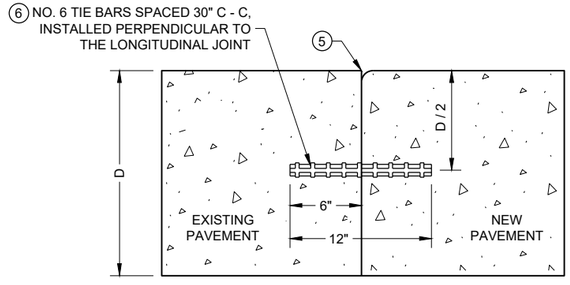
DOWELED TRANSVERSE (3)



TIED LONGITUDINAL



TIED TRANSVERSE (3)
(FOR USE ON NON-DOWELED PAVEMENTS ONLY)



TIED LONGITUDINAL TO EXISTING

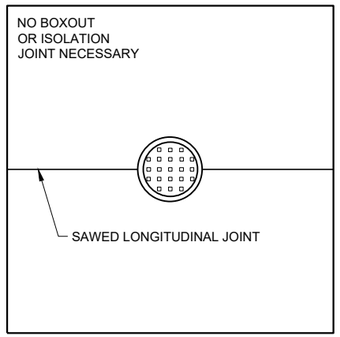
CONSTRUCTION JOINTS (4)

CONCRETE PAVEMENT JOINT TYPES

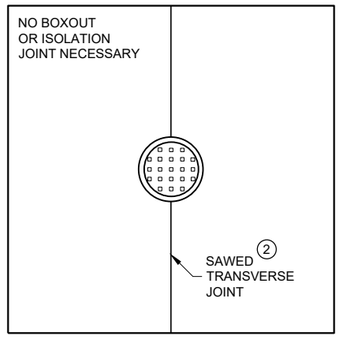
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

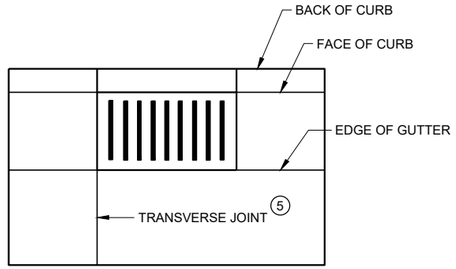
SDD 13C18 - 08c



MANHOLE WITH LONGITUDINAL JOINT



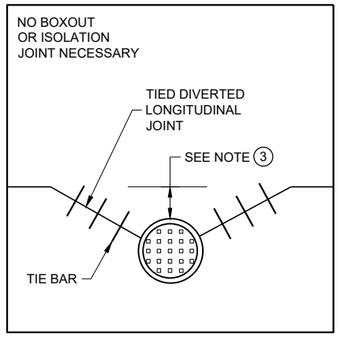
MANHOLE WITH TRANSVERSE JOINT



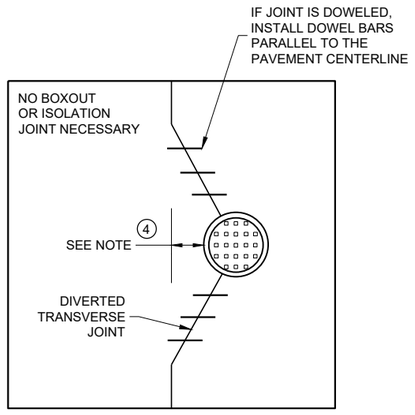
INLET WITH TRANSVERSE JOINT

GENERAL NOTES

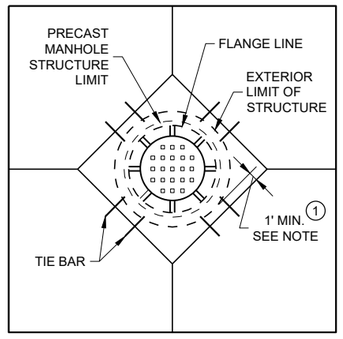
1. USE BOXOUTS WHEN UTILITY STRUCTURE IS IN THE PATH OF CONSTRUCTION JOINTS. PROVIDE A 1 FOOT MINIMUM CLEARANCE BETWEEN THE EXTERIOR LIMIT OF THE STRUCTURE TO THE DIAMOND BOXOUT.
2. ADJUST TRANSVERSE JOINT TO INTERSECT MANHOLE IF POSSIBLE.
3. IF DISTANCE BETWEEN THE LONGITUDINAL JOINT AND THE EDGE OF MANHOLE IS 2 FEET OR LESS, DIVERT THE LONGITUDINAL JOINT AT A 2:1 TAPER RATE TO THE CENTER OF THE MANHOLE. IF THE DISTANCE IS GREATER THAN 2 FEET, DO NOT DIVERT THE JOINT AND SAW AS NORMAL. PLACE REINFORCEMENT REBAR AROUND THE MANHOLE.
4. IF THE DISTANCE FROM THE EDGE OF THE MANHOLE TO THE NEAREST TRANSVERSE JOINT IS LESS 4 FEET OR LESS, REDIRECT JOINT TO INTERSECT THE CENTER OF THE MANHOLE. IF DISTANCE IS GREATER THAN 4 FEET, DO NOT DIVERT THE JOINT AND SAW AS NORMAL. PLACE REINFORCEMENT REBAR AROUND THE MANHOLE.
5. ALIGN TRANSVERSE JOINT WITH ONE EDGE OF INLET WHEN PRACTICAL.



MANHOLE WITH DIVERTED LONGITUDINAL CONTRACTION JOINT



MANHOLE WITH DIVERTED TRANSVERSE CONTRACTION JOINT



DIAGONAL MANHOLE BOXOUT FOR CONSTRUCTION JOINTS

CONCRETE PAVEMENT JOINTING AT UTILITY FIXTURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023
DATE

/S/ Peter Kemp P.E.
PAVEMENT SUPERVISO

FHWA

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SDD13C18 - 08d

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SDD13C18 - 08d

GENERAL NOTES

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS.

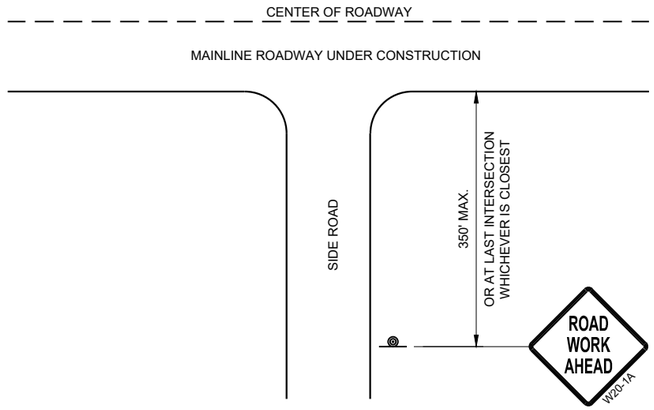
THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A MINIMUM OF 200 FEET (500 FEET DESIRABLE) CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS, 36"X36" SIGNS MAY BE USED INSTEAD OF 48" X 48" SIGNS.

SIGNS THAT WILL BE IN PLACE LESS THAN SEVEN CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

IF A "STOP" SIGN MUST BE REMOVED FOR A WORK OPERATION, A TEMPORARY "STOP" SIGN SHALL BE PLACED PRIOR TO THE SIGN REMOVAL, OR A FLAGGER SHALL BE PROVIDED UNTIL THE SIGN IS REESTABLISHED.

* THE THIRD W20-1 SIGN IS REQUIRED ONLY IF THERE IS AN INTERSECTION BETWEEN THE "ROAD WORK 500 FEET" SIGN AND THE WORK ZONE. ADJUST THE PLACEMENT OF THIS SIGN BASED ON INTERSECTION LOCATION AND OTHER FIELD CONDITIONS.



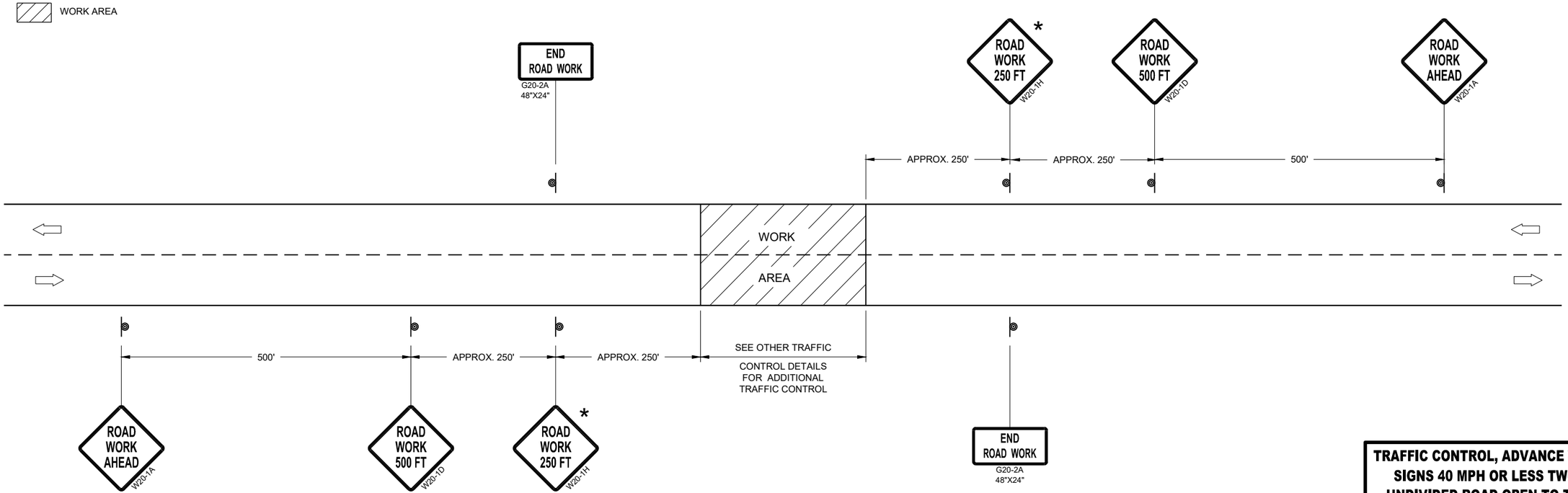
TYPICAL SIDE ROAD APPROACH WARNING SIGN DETAIL

LEGEND

SIGN ON PERMANENT SUPPORT

DIRECTION OF TRAFFIC

WORK AREA



TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40MPH OR LESS

TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 MPH OR LESS TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

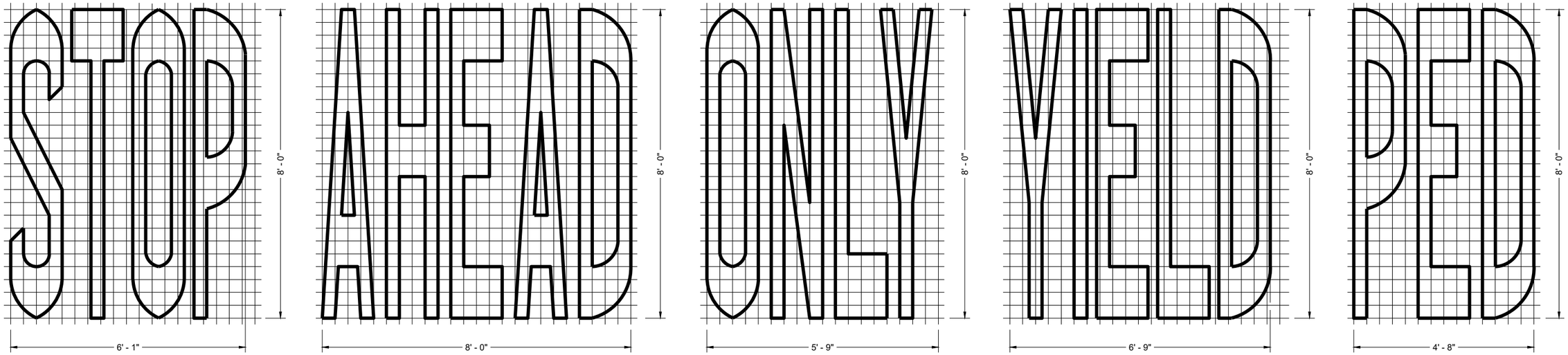
APPROVED
July 2018
DATE

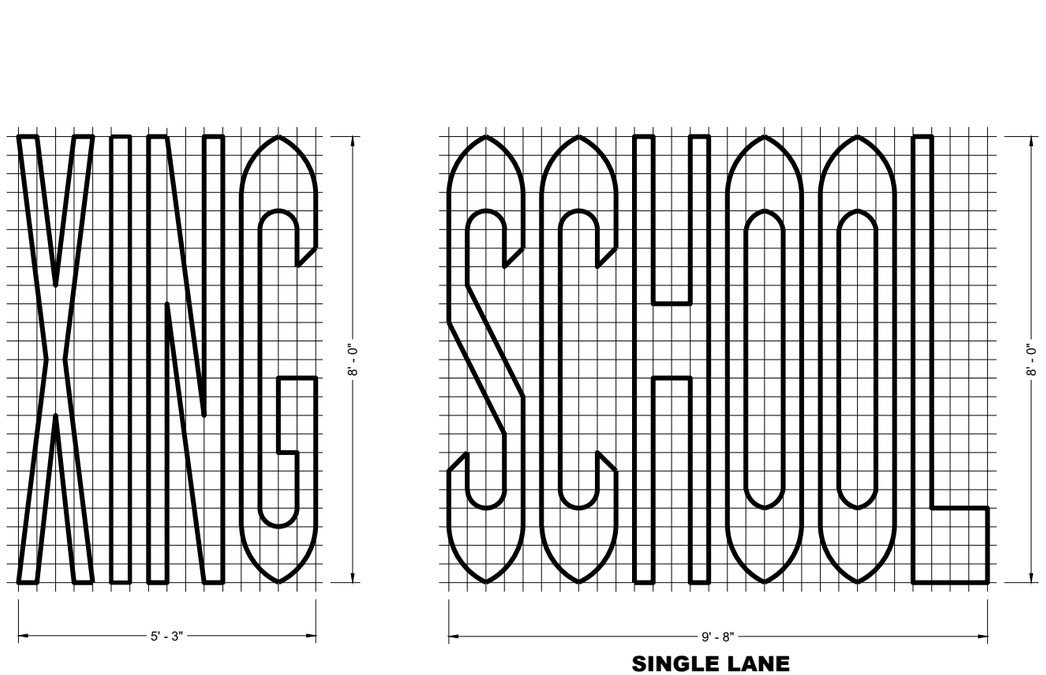
/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA

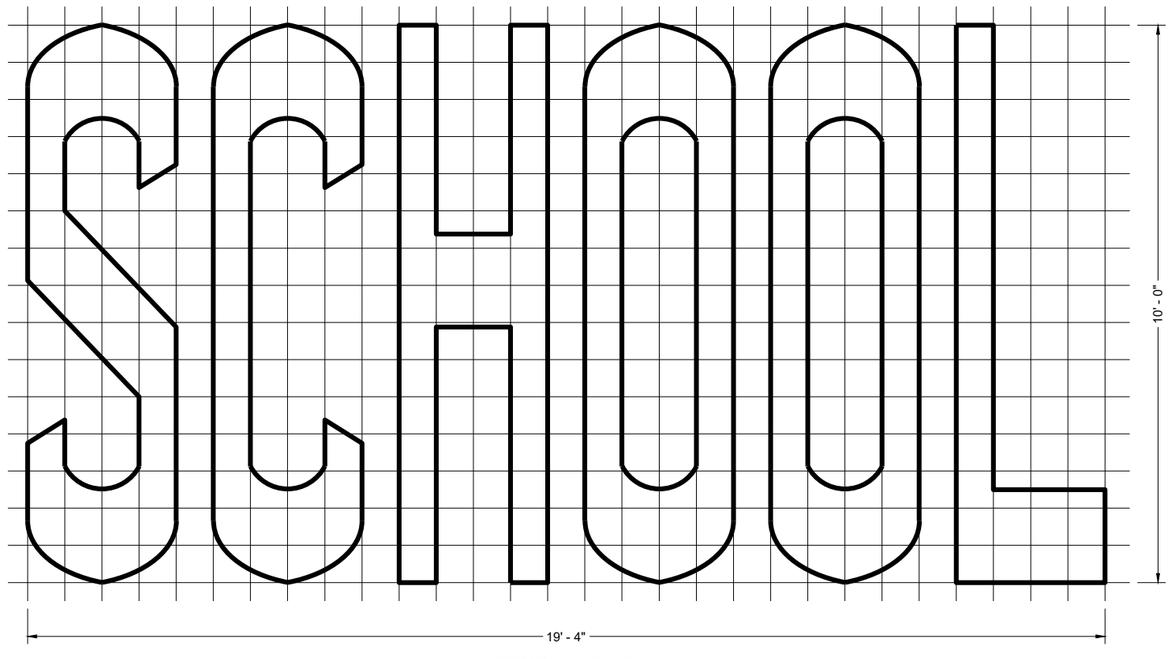
6

SDD 15C05 - 05





SINGLE LANE



TWO - LANE

GENERAL NOTES

DETAILS OF INSTALLATION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

PAVEMENT MARKING WORDS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2024 — DATE
/S/ Jeannie Silver — STATE SIGNING AND MARKING ENGINEER

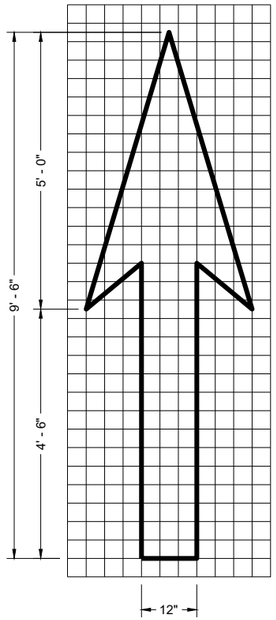
FHWA

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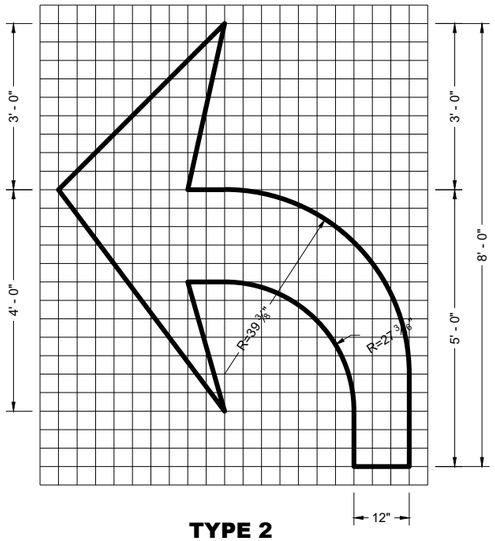
SDD 15C07-16b

6

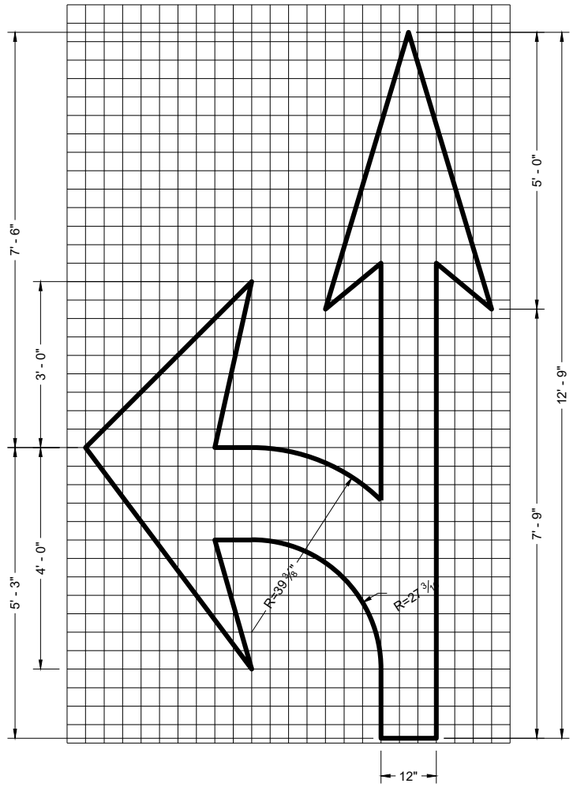
SDD 15C07-16b



TYPE 1



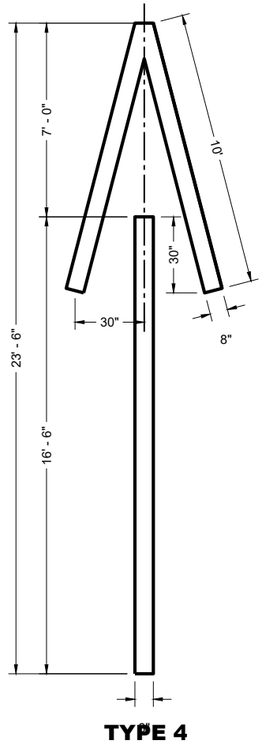
TYPE 2



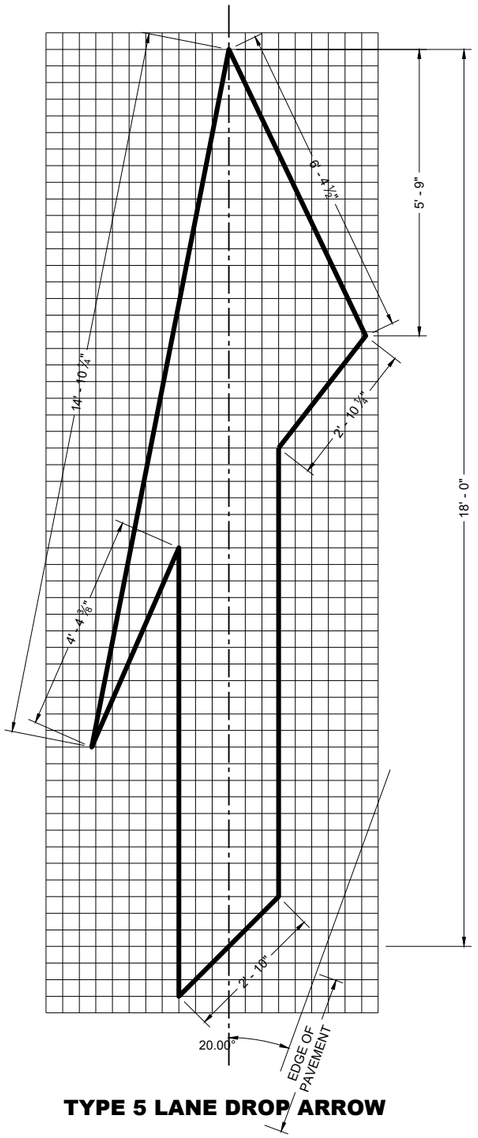
TYPE 3

GENERAL NOTES

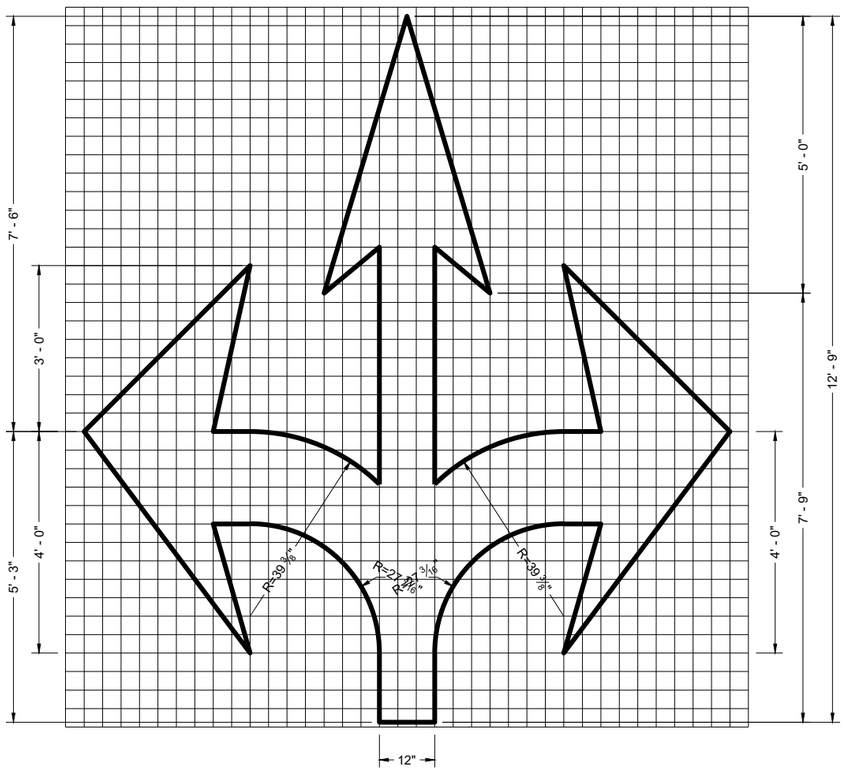
DETAILS OF INSTALLATION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.



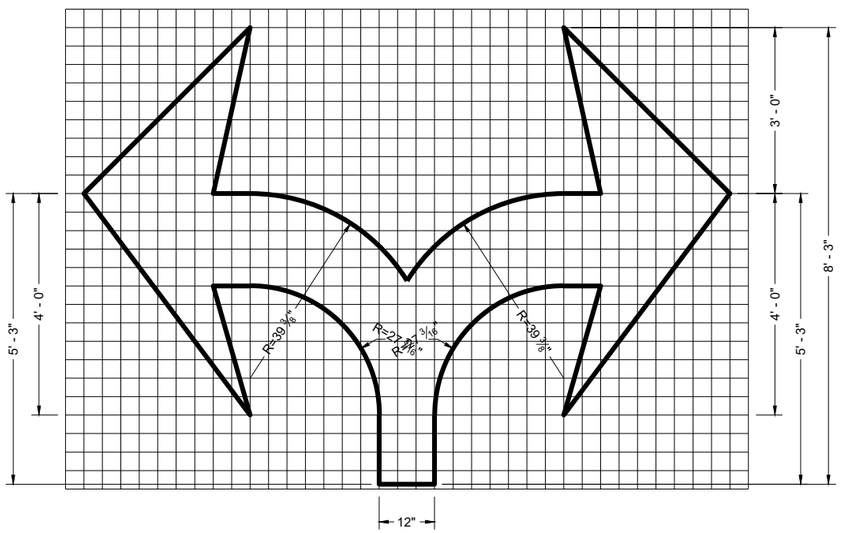
TYPE 4



TYPE 5 LANE DROP ARROW



TYPE 6



TYPE 7

PAVEMENT MARKING ARROWS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2024 — DATE
/S/ Jeannie Silver — STATE SIGNING AND MARKING ENGINEER

FHWA

6

SDD 15C07-16c

SDD 15C07-16c

GENERAL NOTES

DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS.

(1) LOCATE THE NO PASSING ZONE W14-3 SIGN WITHIN 50 FEET OF THE "T" MARKING

(2) MEASURE FROM EDGE OF MARKING TO JOINT LINE. THIS DOES NOT INCLUDE SPACE NEEDED FOR GROOVING OPERATIONS.

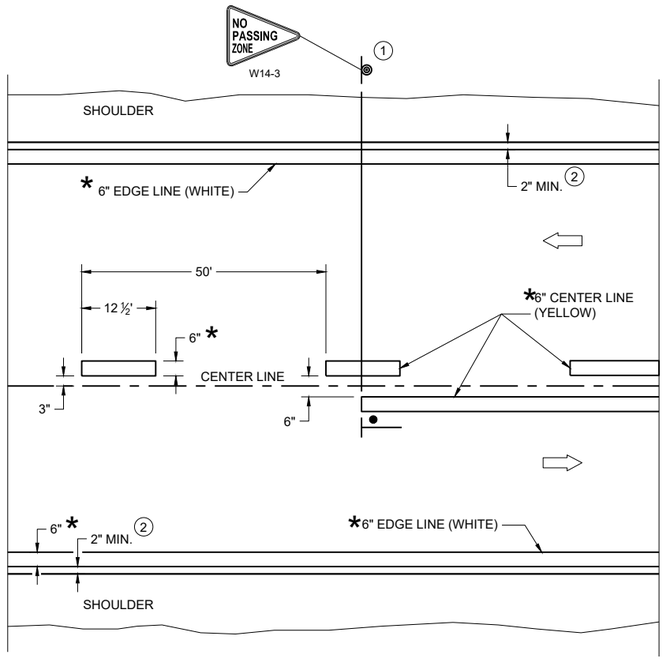
*CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES

LEGEND

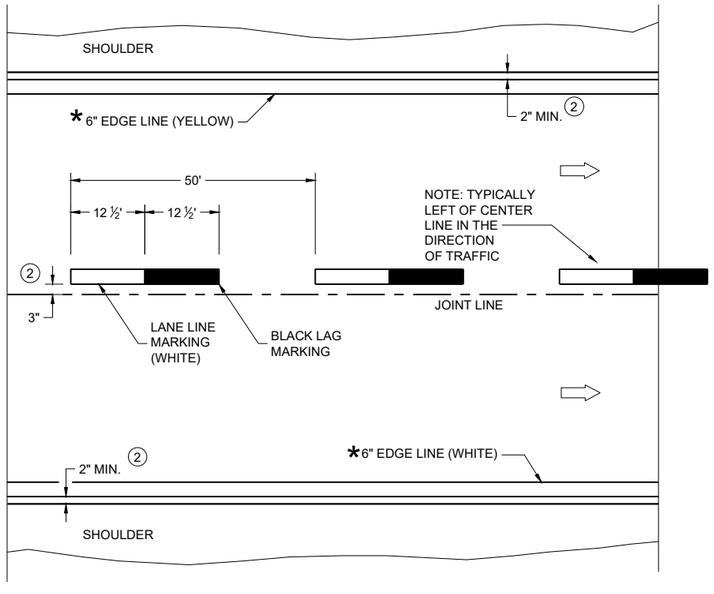
"T" MARKING

SIGN ON PERMANENT SUPPORT

DIRECTION OF TRAFFIC



TWO WAY TRAFFIC



ONE WAY TRAFFIC

PERMANENT PAVEMENT MARKING

6

PERMANENT LONGITUDINAL PAVEMENT MARKINGS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
December 2024
DATE

/S/ Jeannie Silver
Statewide Pavement Marking Engineer

FHWA

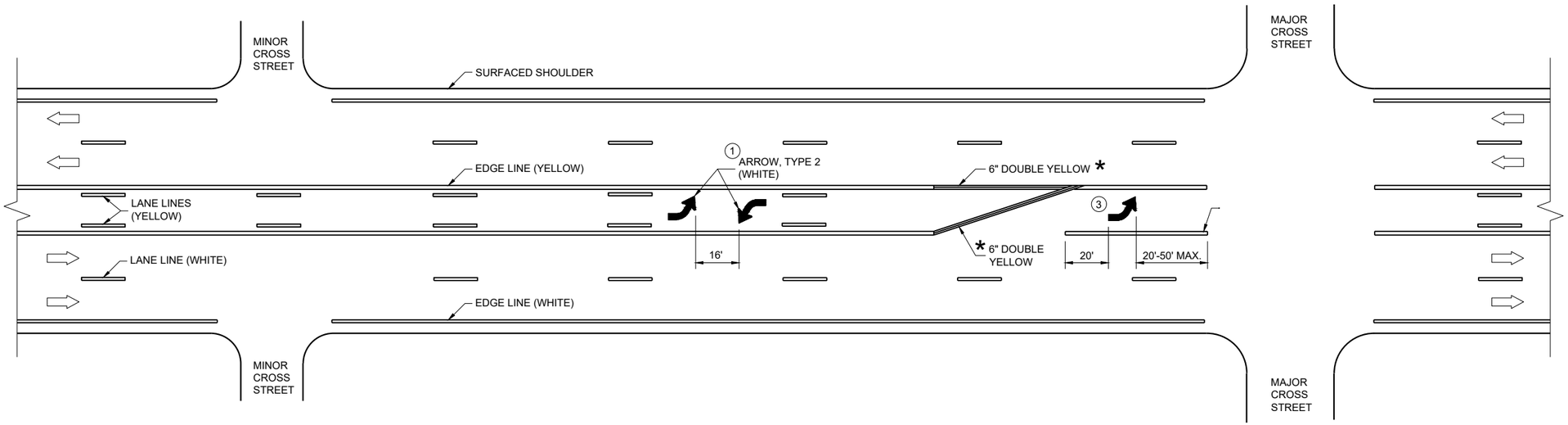
SDD 15C08-24a

GENERAL NOTES

1. A SET OF ARROWS IS REQUIRED EVERY 400 FEET OR NEAR INTERSECTIONS OR DRIVEWAYS WITH TURNING TRAFFIC.
2. 10" WHITE
3. TURN BAY LENGTH OF LESS THAN 48' DOES NOT REQUIRE PAVEMENT ARROWS OR TEXT.

⇨ DIRECTION OF TRAFFIC

*CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES



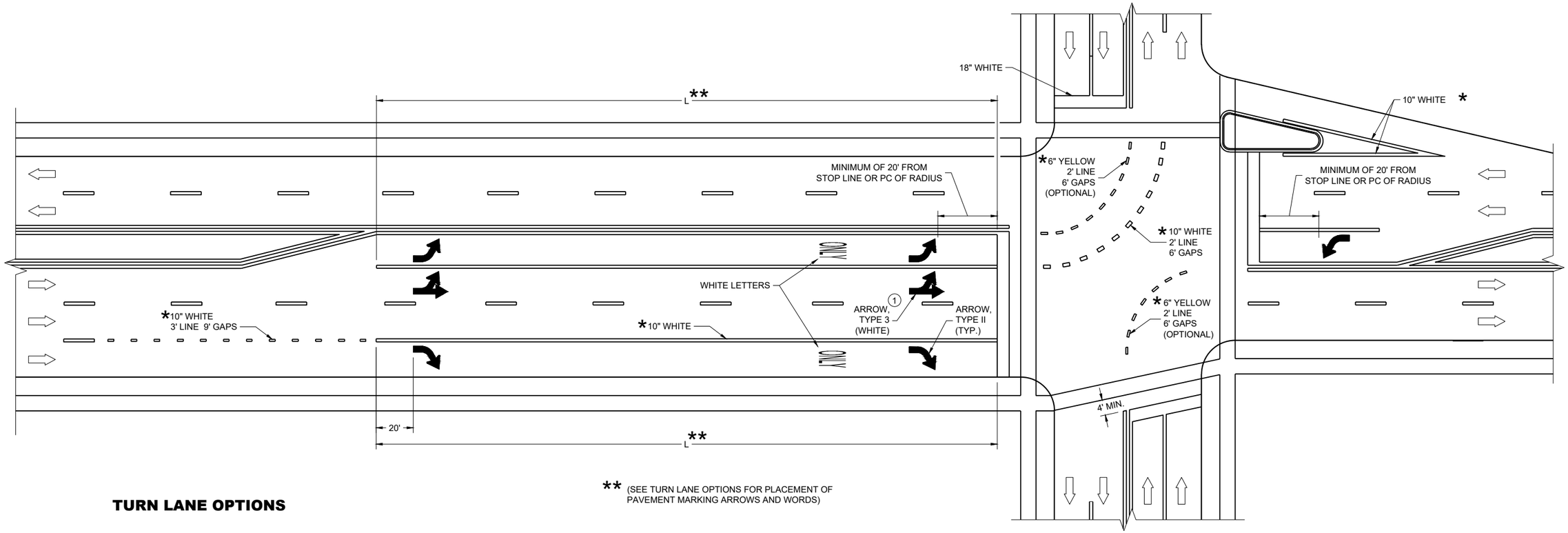
TWO WAY LEFT TURN LANE

PAVEMENT MARKING (TURN LANES)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

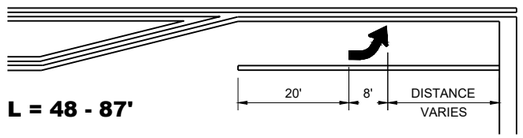
SDD 15C08-24c



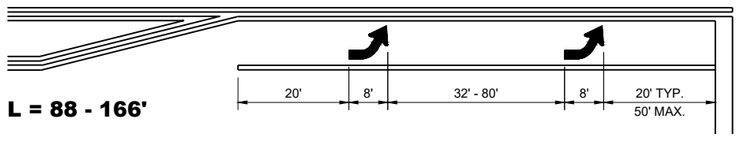
** (SEE TURN LANE OPTIONS FOR PLACEMENT OF PAVEMENT MARKING ARROWS AND WORDS)

TURN LANE OPTIONS

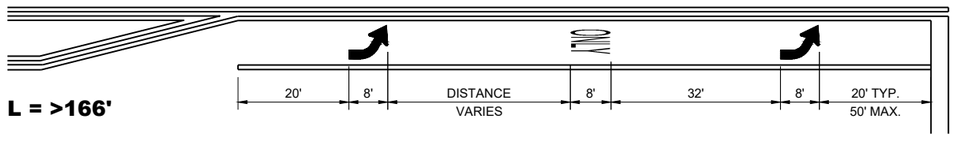
LENGTH OF TURN BAY (**L**) OF 0 - 47' DOES NOT REQUIRE PAVEMENT MARKING ARROWS OR WORDS



L = 48 - 87'



L = 88 - 166'



L = >166'

GENERAL NOTES

1. QUANTITY AND LOCATION OF TYPE 3 ARROWS ARE THE SAME AS THE TYPE II ARROWS IN THE ADJACENT TURN LANE. FOR TURN LANES WITH A PHYSICAL SEPARATION IN THE SAME DIRECTION OF TRAVEL, THE ARROWS AND "ONLY" MARKING MAY BE ELIMINATED.

DIRECTION OF TRAFFIC

L = LENGTH OF TURN BAY

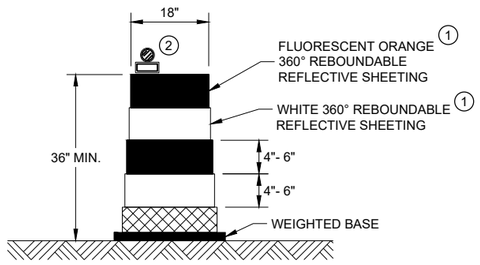
*CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES

PAVEMENT MARKING (TURN LANES)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

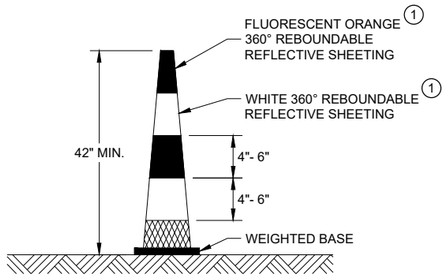
GENERAL NOTES

1. REFLECTIVE SHEETING SHALL FOLLOW THE REQUIREMENTS IN THE APPROVED PRODUCTS LISTING FOR SIGN SHEETING.
2. LOCATION OF WARNING LIGHTS WHEN SHOWN ON THE PLAN.



DRUM

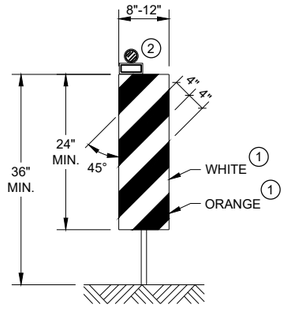
BALLAST WIDTHS
RANGE FROM 24"-36"



42" CONE

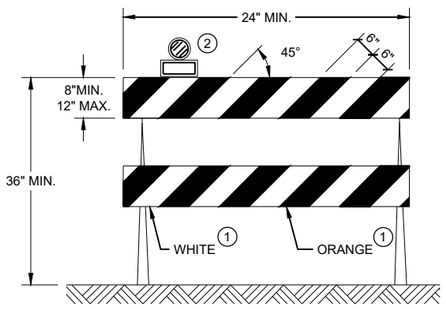
DO NOT USE IN TAPERS
½ SPACING OF DRUMS

BALLAST WIDTHS
RANGE FROM 14"-20"



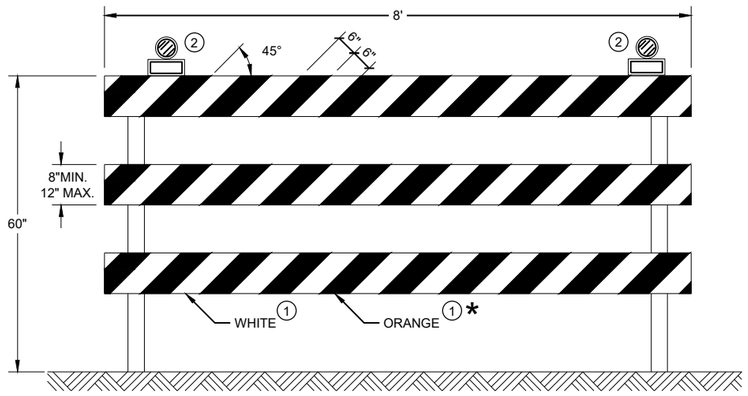
VERTICAL PANEL

THE STRIPES SHALL SLOPE DOWNWARD TO
THE TRAFFIC SIDE FOR CHANNELIZATION.



TYPE II BARRICADE

FOR RAILS LESS THAN 36" LONG, 4" WIDE STRIPES
MAY BE USED. ALL STRIPES SHALL SLOPE DOWNWARD
TO THE TRAFFIC SIDE FOR CHANNELIZATION.



TYPE III BARRICADE

IF SIGN MOUNTED, DO NOT COVER MORE THAN 50% OF THE TOP
TWO RAILS OR 33% OF THE TOTAL AREA OF THE THREE RAILS.

* IF USED FOR A PERMANENT APPLICATION USE RED SHEETING.

CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2022
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

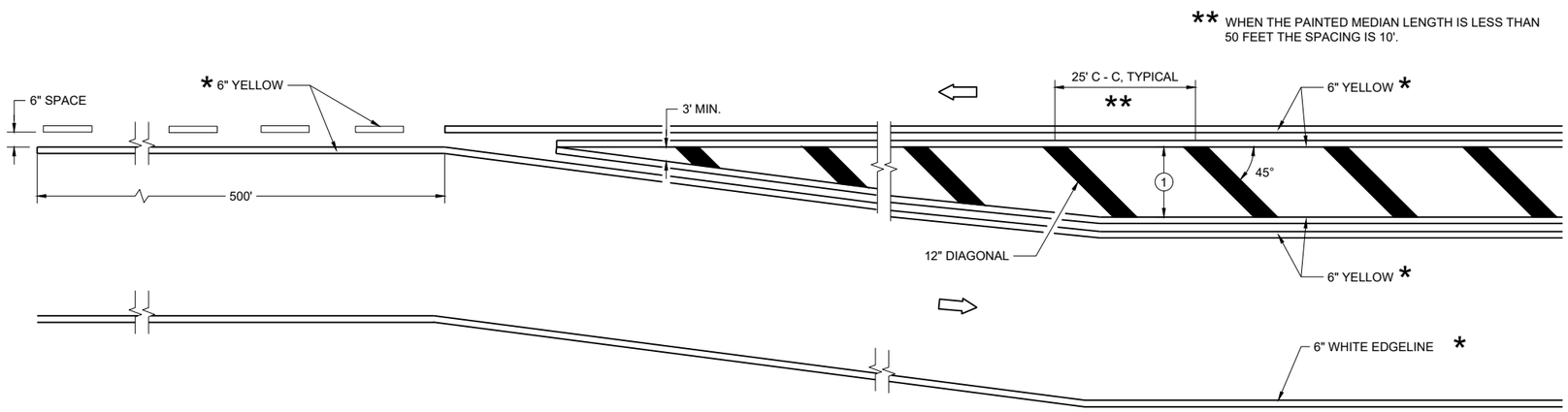
FHWA

6

SDD 15C11 - 10b

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SDD 15C11 - 10b



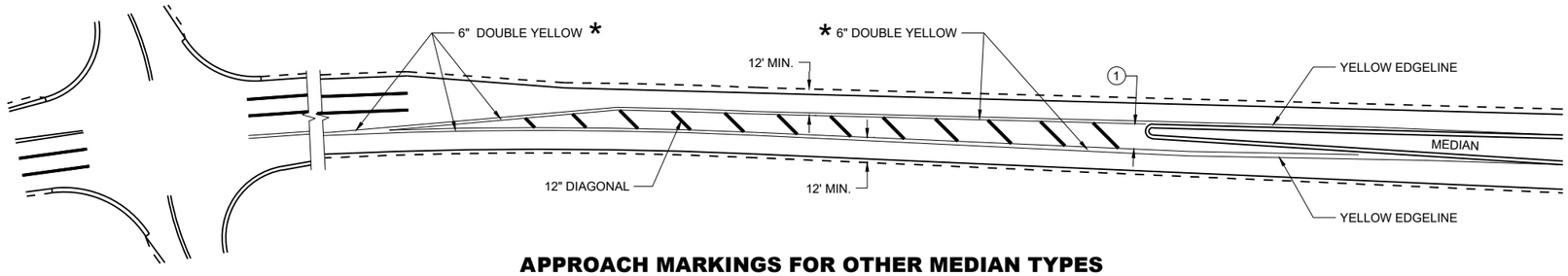
MEDIAN ISLAND DETAIL

GENERAL NOTES

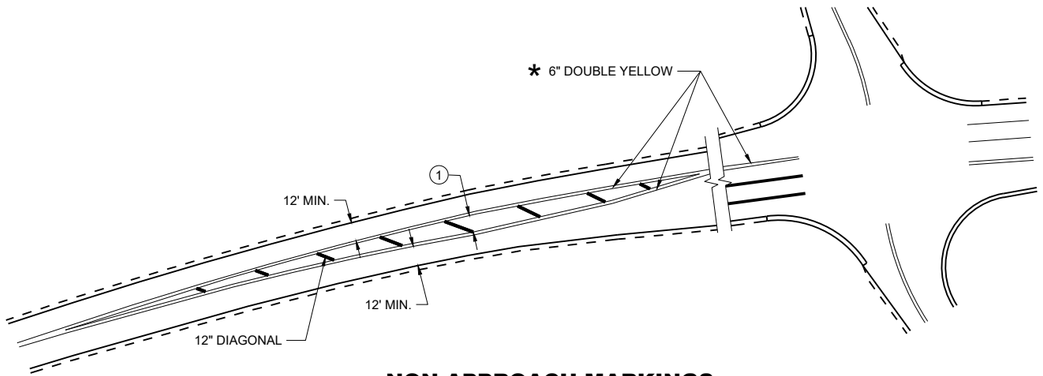
(1) DIAGONALS ARE OPTIONAL WHEN PAINTED ISLAND IS LESS THAN 6 FEET AT THE WIDEST POINT. OMIT DIAGONALS IF WIDTH IS LESS THAN 4 FEET.

DIRECTION OF TRAVEL

*CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES



APPROACH MARKINGS FOR OTHER MEDIAN TYPES



NON-APPROACH MARKINGS

MEDIAN ISLAND PAVEMENT MARKINGS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
August 2024
DATE

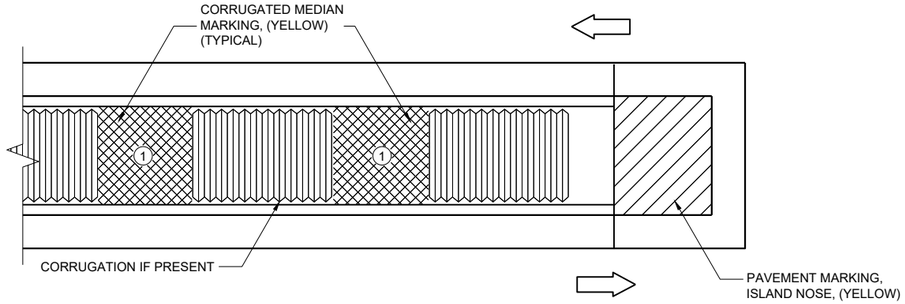
/S/ Jeannie Silver
Statewide Pavement Marking Engineer

FHWA

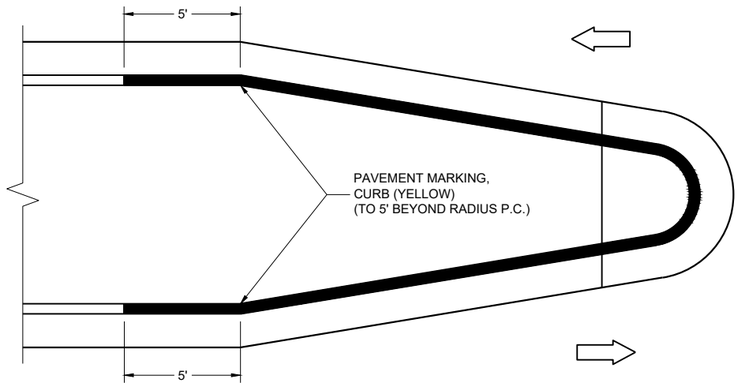
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SDD 15C18-09a

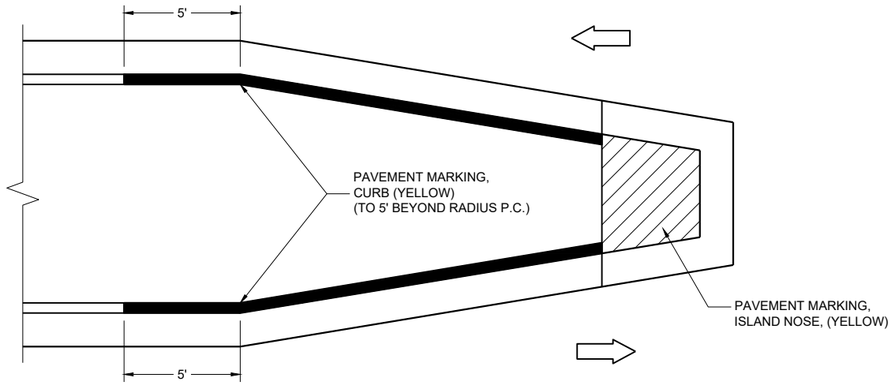
SDD 15C18-09a



MEDIAN ISLAND WITH SQUARE BLUNT NOSE



MEDIAN ISLAND WITH ROUND BLUNT NOSE



MEDIAN ISLAND WITH SLOPED NOSE

TYPICAL PLACEMENT OF PAVEMENT MARKING ON MEDIAN ISLANDS

GENERAL NOTES

WHEN CONCRETE CORRUGATED MEDIAN IS CONSTRUCTED TO SEPARATE TRAFFIC OPERATING IN THE OPPOSING DIRECTION, YELLOW PAVEMENT MARKING SHALL BE APPLIED TO THE FLAT PORTION OF THE CONCRETE CORRUGATED MEDIAN. THE ITEM OF PAVEMENT MARKING, CONCRETE CORRUGATED MEDIAN, WILL BE MEASURED IN PLACE AND ACCEPTED IN ACCORDANCE WITH THE CONTRACT AND PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE FOOT.

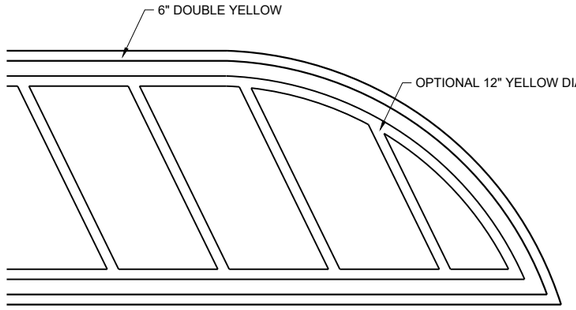
(1) APPLY PAVEMENT MARKING TO THE FLAT PORTION OF CORRUGATED MEDIAN.

ISLAND NOSE MARKING

CURB MARKING

CORRUGATED MEDIAN MARKING

DIRECTION OF TRAVEL



FLUSH MEDIAN ISLAND NOSE

PAVEMENT MARKINGS, MEDIAN ISLAND NOSE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
August 2024
DATE

/S/ Jeannie Silver
Statewide Pavement Marking Engineer

FHWA

6

SDD 15C18-09b

LEGEND

- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- REMOVING PAVEMENT MARKINGS
- DIRECTION OF TRAFFIC
- WORK AREA
- CONNECTED ARROW BOARD
- WZ START LOCATION MARKER
- WZ END LOCATION MARKER

GENERAL NOTES

FOR WORK ON ROADWAYS WITH SPEEDS GREATER THAN 45MPH, USE SDD 15D12.

THIS LANE CLOSURE DETAIL IS TYPICAL FOR CLOSING THE LEFT LANE. FOR A RIGHT LANE CLOSURE, REVERSE THE TRAFFIC CONTROL.

THIS DETAIL MAY BE USED FOR ROADWAYS WITH EITHER TWO OR THREE LANES IN EACH DIRECTION.

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS IN URBAN AREAS, 36"X 36" SIGNS MAY BE USED IF APPROVED BY REGIONAL TRAFFIC UNIT.

"WO" SIGN IS THE SAME AS "W" SIGN EXCEPT THE BACKGROUND IS ORANGE.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH THE TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER. NO WARNING LIGHTS SHALL BE WORKING ON COVERED OR "DOWNED" SIGNS.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS OR THAT WILL BE PLACED IN A CLOSED LANE MAY BE MOUNTED ON TEMPORARY SUPPORTS.

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A MINIMUM OF 200 FEET (500' DESIRABLE) DISTANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE

W20-1A, G20-1 AND G20-2A SIGNS ARE NOT REQUIRED IF THE LANE CLOSURE IS WITHIN A LARGER WORK ZONE WHERE THESE SIGNS ARE ALREADY PRESENT.

REMOVE PAVEMENT MARKINGS AND PLACE TEMPORARY PAVEMENT MARKING LINE IF LANE CLOSURE IS TO BE IN PLACE FOR 4 OR MORE CONTINUOUS DAYS AND NIGHTS.

CONSIDER GEOMETRICS WHEN LOCATING SIGNS AND ARROW BOARDS SO THE APPROACHING DRIVER HAS A CLEAR VIEW OF THE ARROW BOARDS AND LANE CLOSURE DRUMS FOR A MINIMUM 1500 FEET IN FRONT OF DRUMS.

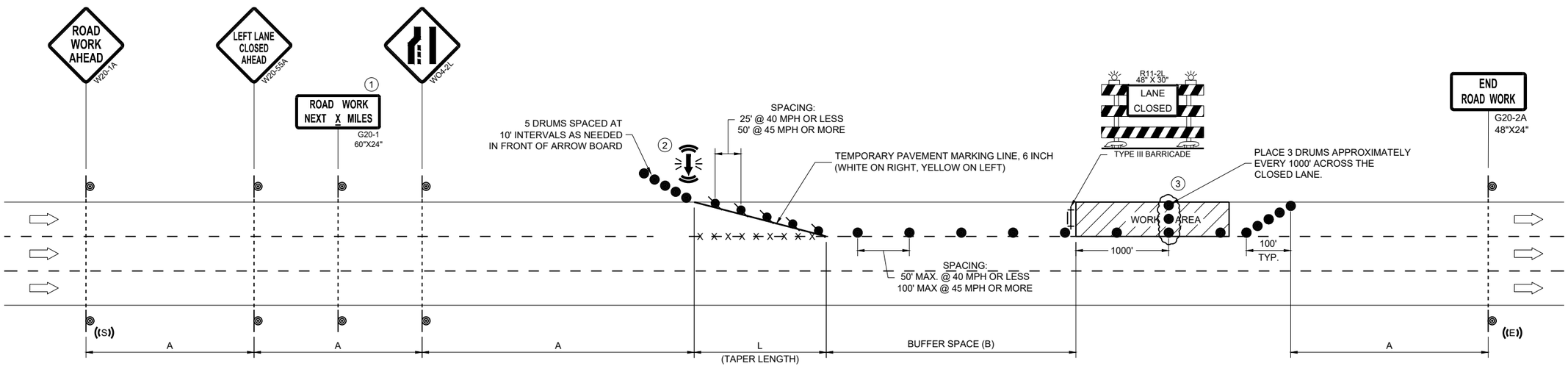
CHANNELIZING DEVICES PLACED ADJACENT TO WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.

(1) OMIT G20-1 SIGNS IF LENGTH OF WORK AREA IS 2 MILES OR LESS.

(2) WHERE THE SHOULDER OR TERRACE HAS INSUFFICIENT SPACE TO PLACE THE ARROW BOARD AS SHOWN, PLACE THE ARROW BOARD AT THE END OF THE TAPER.

(3) DRUMS IN A CLOSED LANE THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY REESTABLISHED UPON COMPLETION OF THE OPERATION, OR FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.



POSTED SPEED LIMIT PRIOR TO WORK STARTING (MPH)	ADVANCE WARNING SIGN SPACING (A) FEET	TAPER LENGTH (12 FT. LANE) (L) FEET	BUFFER SPACE (B) FEET
25	200'	125'	155'
30	200'	180'	200'
35	350'	245'	250'
40	350'	320'	305'
45	500'	540'	360'

TRAFFIC CONTROL, SINGLE LANE CLOSURE, DIVIDED NON-FREEWAY/EXPRESSWAY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

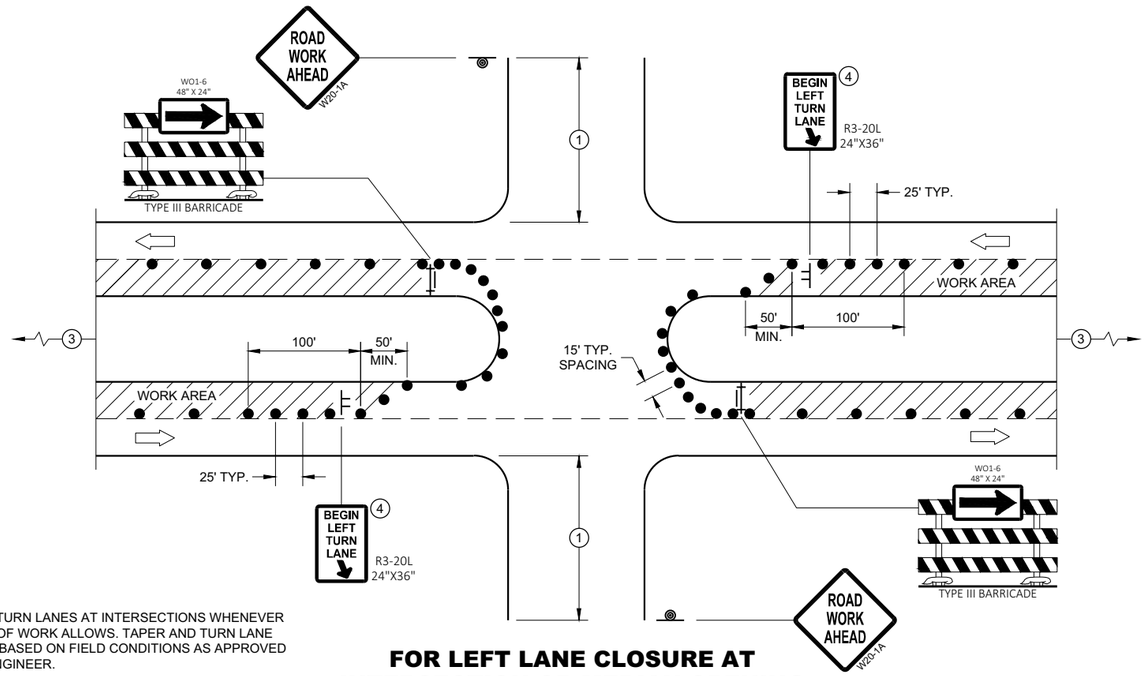
APPROVED
November 2025
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

6

SDD 15D20-11a



PROVIDE TURN LANES AT INTERSECTIONS WHENEVER STAGING OF WORK ALLOWS. TAPER AND TURN LANE LENGTHS BASED ON FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

FOR LEFT LANE CLOSURE AT INTERSECTION OR MEDIAN OPENING

GENERAL NOTES

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS IN URBAN AREAS, 36" X 36" MAY BE USED IF APPROVED BY THE DISTRICT TRAFFIC UNIT.

"WO" SIGN IS THE SAME AS "W" SIGN EXCEPT THE BACKGROUND IS ORANGE.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH THE TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER. NO WARNING LIGHTS SHALL BE WORKING ON COVERED OR "DOWNED" SIGNS.

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A MINIMUM OF 200 FEET (500' DESIRABLE) DISTANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE

SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE FHWA'S MANUAL OF STANDARD HIGHWAY SIGNS OR THE WISCONSIN STANDARD SIGN PLATES.

SIGNS THAT WILL REMAIN IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS OR THAT WILL BE PLACED IN A CLOSED LANE MAY BE MOUNTED ON PORTABLE SUPPORTS.

BARRICADES IN A CLOSED LANE THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY REESTABLISHED UPON COMPLETION OF THE OPERATION, OR FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

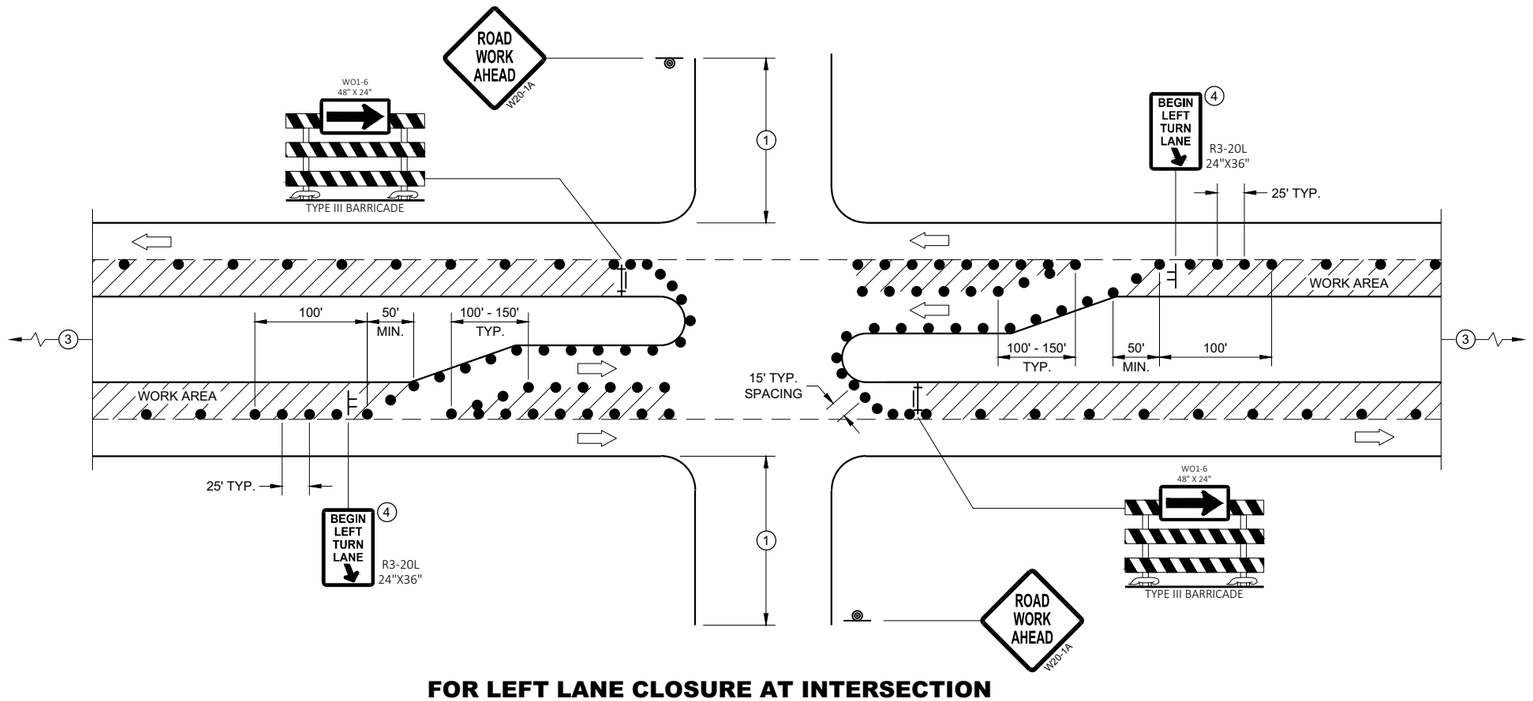
CHANNELIZING DEVICES PLACED ADJACENT TO WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

(1) 500' TYPICAL OR AT LAST INTERSECTION, WHICHEVER IS CLOSER.
350' IF 35 - 40 MPH.
200' IF 25 - 30 MPH.

(2) ALSO USE BARRICADE AND 15 FOOT TYPICAL DRUM SPACING AT COMMERCIAL DRIVEWAYS

(3) SEE SEPARATE LANE CLOSURE DETAIL FOR ADDITIONAL TRAFFIC CONTROL.

(4) MINIMUM MOUNTING HEIGHT OF 5 FEET FROM EDGE OF PAVEMENT (AT EDGE LINE LOCATION) TO BOTTOM OF SIGN.



FOR LEFT LANE CLOSURE AT INTERSECTION OR MEDIAN OPENING (WITH LEFT TURN BAY OPEN)

LEGEND

- SIGN ON TEMPORARY SUPPORT
- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TYPE III BARRICADE WITH ATTACHED SIGN
- DIRECTION OF TRAFFIC
- FLAGS, 16" X 16" MIN., ORANGE
- WORK AREA

TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LEFT LANE CLOSURE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
August 2020
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

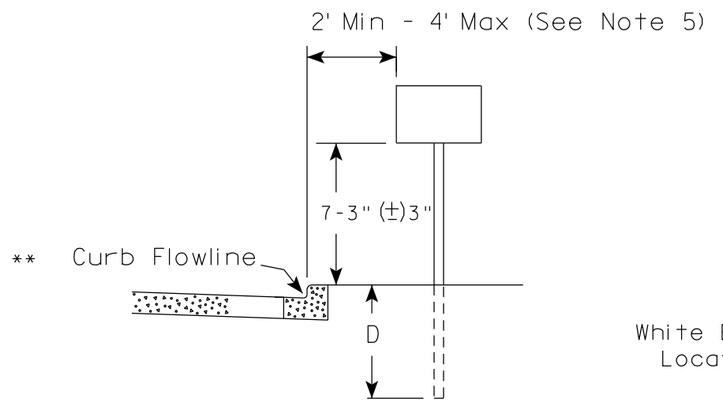
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SDD 15D21 - 07b

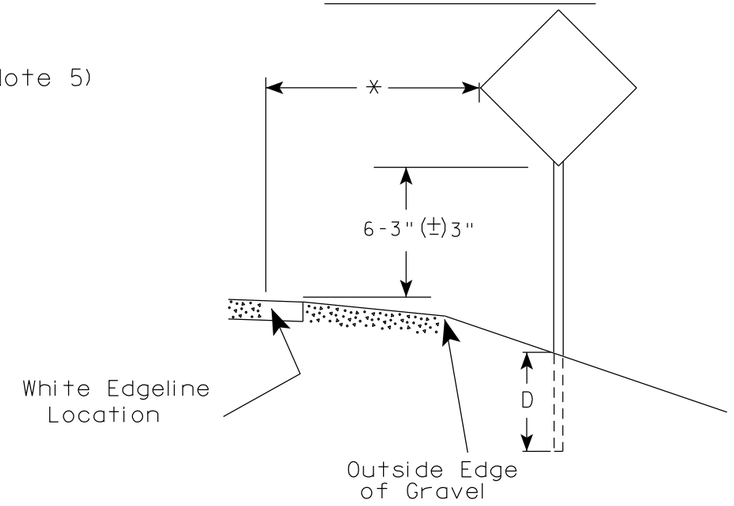
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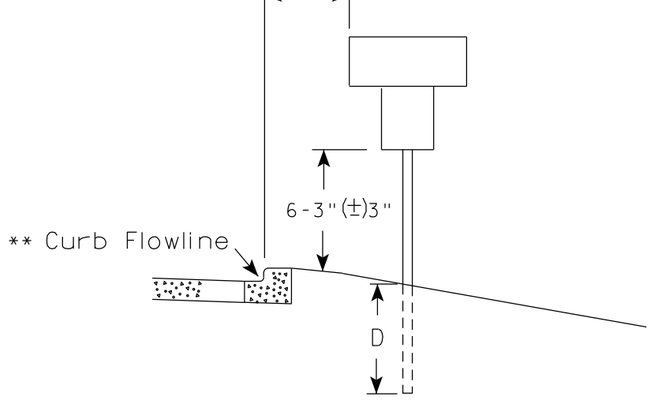
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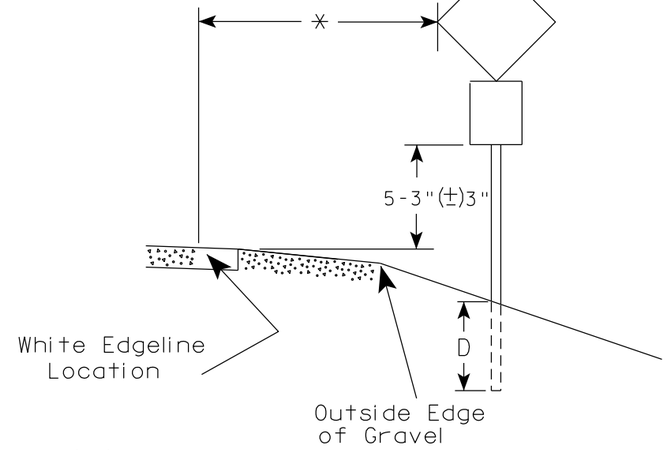
URBAN AREA



RURAL AREA (See Note 2)







** The existence of curb and gutter does not in itself mandate the vertical clearance illustrated. That height is typically measured where there is sidewalk adjacent to the roadway or parking is permitted. In the absence of sidewalk vertical clearance is measured from the top of the curb. Offset of signs is measured from the flow line.

* 6 feet from edge of a paved shoulder or 12 feet from the edge of pavement (edge line location) or 2 feet from outside edge of gravel, whichever is greater unless directed by project engineer.

POST EMBEDMENT DEPTH

Area of Sign Installation (Sq. Ft.)	D (Min)
20 or Less	4'
Greater than 20	5'

GENERAL NOTES

1. Signs wider than 4 feet or 20 sq.ft or larger, shall be mounted on multiple posts. Refer to plate A4-4.
2. If signs are mounted on or behind barrier wall, see A4-10 sign plate.
   The Double Arrow sign (W12-1D) shall be mounted at a height of 2'-3" (±) 3". The Chevron sign (W1-8), Roundabout Chevron panel (R6-4B), Enhanced Reference Markers, Clearance Markers (W5-52), Mile Markers (D10 series), In Road Object Markers (W5-54) & End of Road Markers (W5-56) shall be mounted at a height of 4'-3" (±) 3".
3. For expressways and freeways, mounting height is 7'- 3" (±) 3" or 6'-3" (±) 3" depending upon existence of a sub-sign.
4. Minimum mounting height for signs mounted on traffic signal poles is 5'- 3" (±) 3".
5. Offset distance shall be consistent with existing signs or consistent throughout length of project.
6. Folding signs shall be mounted at a height of 5'-3" (±) 3" or as directd by the Engineer.

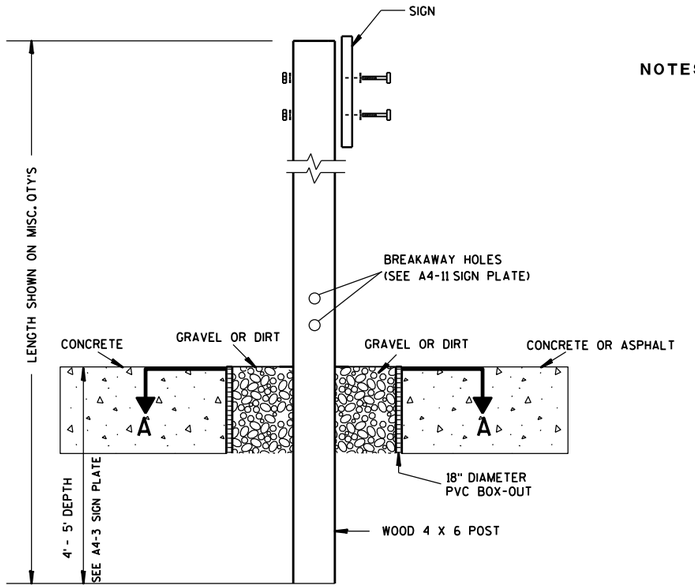
TYPICAL INSTALLATION OF PERMANENT TYPE II SIGNS ON SINGLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/6/23 PLATE NO. A4-3.23

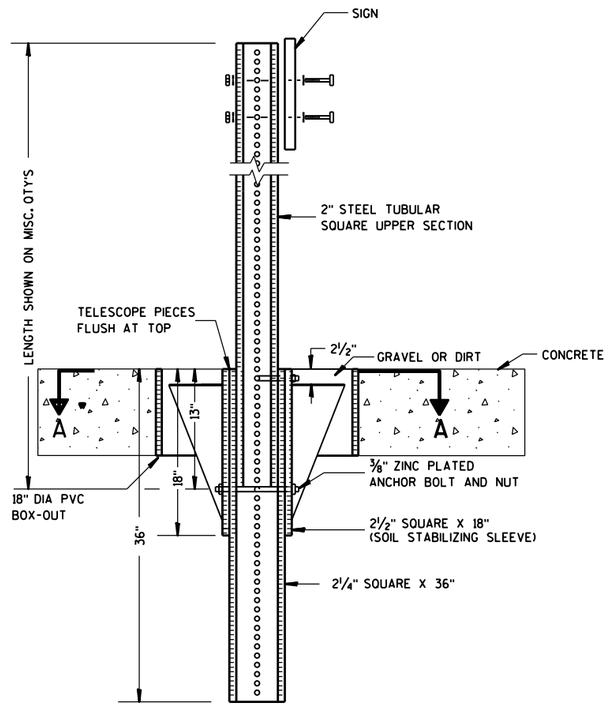
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 72	E



ELEVATION VIEW

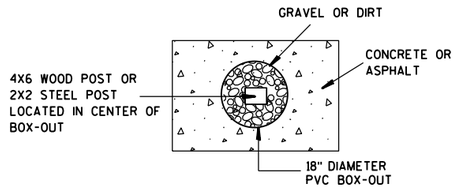
DETAIL OF WOOD 4 X 6 SIGN POST IN BOX-OUT

NOTES:
1. ALL MATERIAL TO BE APPROVED BY ENGINEER PRIOR TO INSTALLATION
2. SEE SIGN PLATE A4-8 FOR SIGN HARDWARE REQUIREMENTS
3. 18 INCH X 18 INCH SQUARE BOX-OUTS MAY BE USED FOR INSTALLATIONS IN EXISTING CONCRETE OR ASPHALT LOCATIONS.



ELEVATION VIEW

DETAIL OF STEEL 2 X 2 SIGN POST IN BOX-OUT



PLAN VIEW

FOR NEW CONCRETE/ASPHALT INSTALLATIONS

SIGN POST BOX-OUTS A4-3B

WISCONSIN DEPT OF TRANSPORTATION

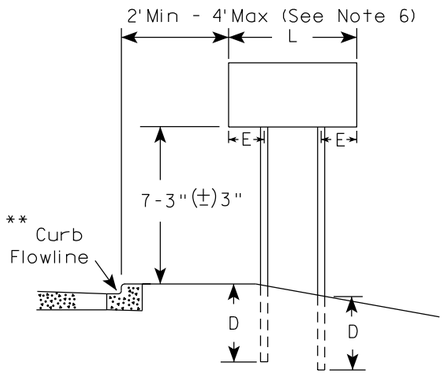
APPROVED Matthew R Rauch
for State Traffic Engineer

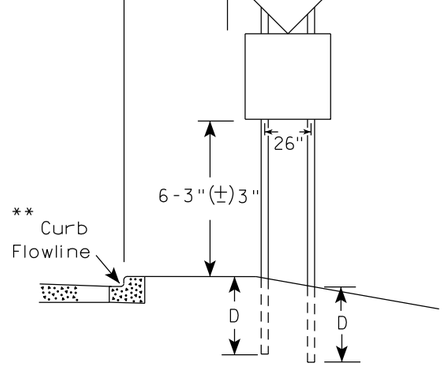
DATE 1/27/14 PLATE NO. A4-3B.1

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A43B.DGN PLOT DATE : 27-JAN-2014 09:48 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 13.659812:1.000000 WISDOT/CADDS SHEET 42

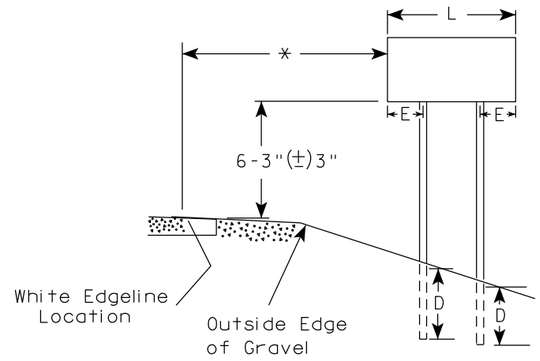
URBAN AREA

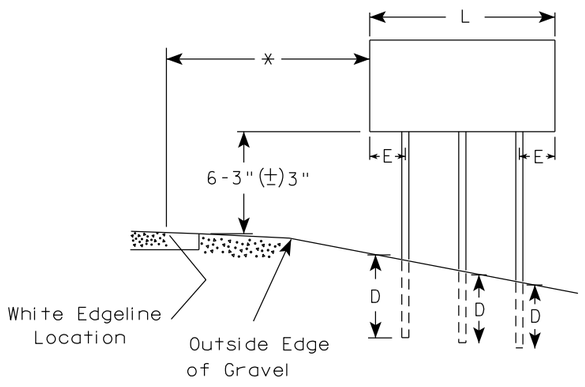


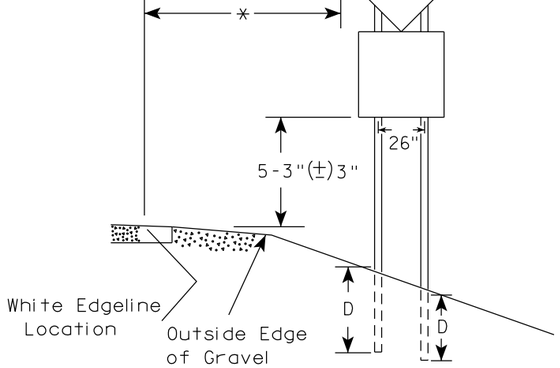


48" DIAMOND WARNING SIGN

RURAL AREA (See Note 3)







48" DIAMOND WARNING SIGN

SIGN SHAPE OTHER THAN DIAMOND (TWO POSTS REQUIRED)		
	L	E
***	Greater than 48" Less than 60"	12"
	60" to 108"	L/5

SIGN SHAPE OTHER THAN DIAMOND (THREE POSTS REQUIRED)	
L	E
Greater than 108" to 144"	12"

GENERAL NOTES

1. For 3 or 4 post installations, individual post spacing shall be greater than 3'-6".
2. See tables below for required number of posts.
3. For expressways and freeways, mounting height is 7'-3" (±) 3" or 6'-3" (±) 3" depending upon existence of sub-sign.
4. The (±) tolerance for mounting height is 3 inches.
5. J-Assemblies are considered to be one sign for mounting height.
6. Offset distance shall be consistent with existing signs or consistent throughout length of project.
7. Folding signs shall be mounted at a height of 5'-3" (±) 3" or as directed by the engineer.
8. The Double Arrow sign (W12-1) shall be mounted at a height of 2'-3" (±) 3". The Chevron sign (W1-8), Roundabout Chevron panel (R6-4B), Clearance Markers (W5-52), Mile Markers (D10 series), In Road Object Markers (W5-54) & End of Road Markers (W5-56) shall be mounted at a height of 4"-3" (±) 3".

* 6 feet from edge of a paved shoulder or 12 feet from the edge of pavement (edge line location) or 2 feet from outside edge of gravel, whichever is greater unless directed by project engineer.

** The existence of curb and gutter does not in itself mandate the vertical clearance illustrated. That height is typically measured where there is sidewalk adjacent to the roadway or parking is permitted. In the absence of sidewalk vertical clearance is measured from the top of the curb. Offset of signs is measured from the flow line.

*** See A4-3 sign plate for signs 4' or less in width and less than 20 S.F. in area.

POST EMBEDMENT DEPTH

Area of Sign Installation (Sq. Ft.)	D (Min)
20 or Less	4'
Greater than 20	5'

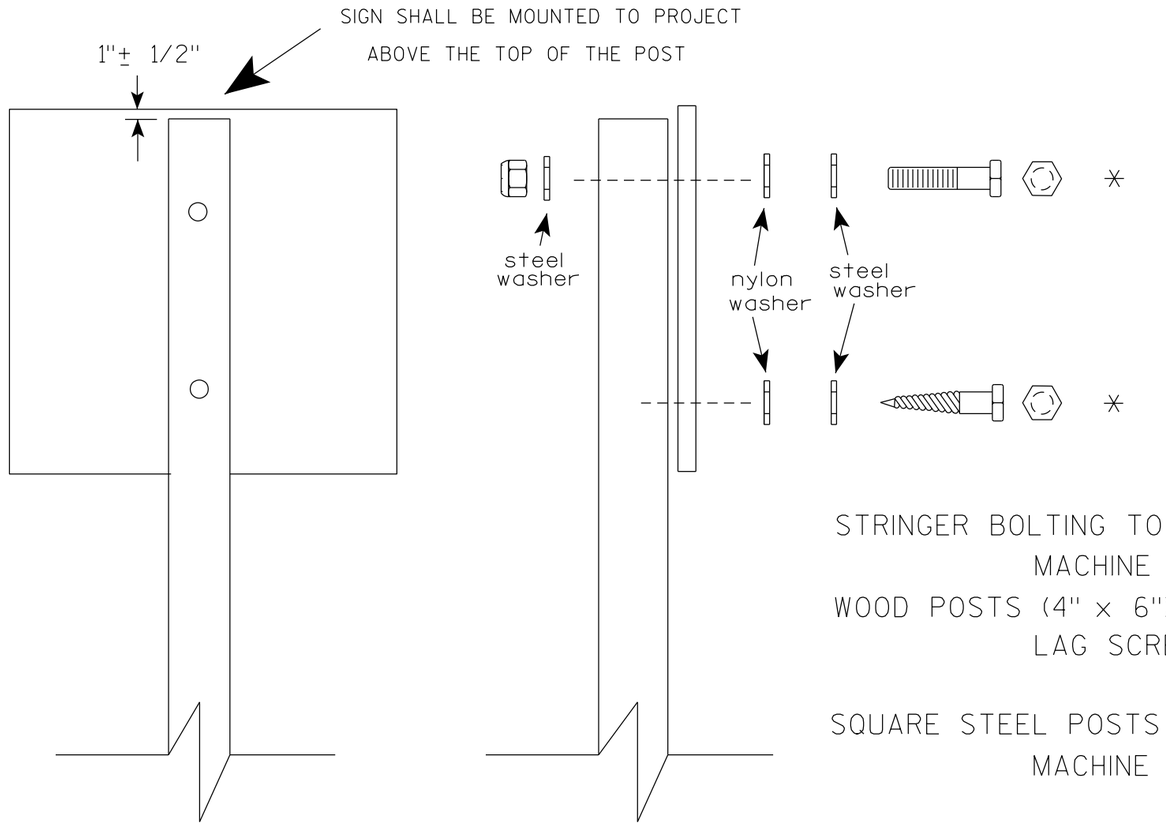
TYPICAL INSTALLATION OF TYPE II SIGNS ON MULTIPLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/6/23 PLATE NO. A4-4.16

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 74	E



Nuts, bolts and lags used for mounting signs shall have hexagonal heads and shall be either :

a. Hot dip galvanized in accordance with ASTM Designation: A 153, Class D, or SC 3

b. Electro-galvanized in accordance with ASTM Designation : B 633, TYPE III, SC 3.

Threads on bolts and nuts shall be manufactured with sufficient allowance for the cadmium plate or galvanized coating to permit the nuts to run freely on the bolts.

STRINGER BOLTING TO ALUMINUM SIGNS (SEE SIGN PLATE A4-18)

MACHINE BOLTS - 5/16" X 1-3/4" Length w/ lock nuts

WOOD POSTS (4" x 6")

LAG SCREWS - 3/8" X 3" (NO STRINGERS ON BACK OF SIGN)
3/8" X 4" (STRINGERS ON BACK OF SIGN)

SQUARE STEEL POSTS (2" x 2")

MACHINE BOLTS - 3/8" X 3-1/4" Length w/ nuts (NO STRINGER ON BACK OF SIGN)
3/8" X 5" Length w/ nuts (STRINGERS ON BACK OF SIGN)

RIVETS - 9/32" (6605-9-6) BULB-TITE, TRI-FOLD, ALUMINUM BODY/MANDREL
O.D. FLANGE .720-.765 INCH, GRIP RANGE .042-.375 INCH

WASHERS (ALL POSTS) -

1-1/4" O.D. X 3/8" I.D. X 1/16" STEEL
1-1/4" O.D. X 3/8" I.D. X .080 NYLON

* Two different fastening systems are shown for illustration purposes. On any individual sign, either one or the other system shall be used. Actual number of fasteners per sign varies with the sign area, but normally there are two. For a single post installation, all signs greater than 9 sq. ft. require the use of 3 fasteners.

ATTACHMENT OF SIGNS TO POSTS

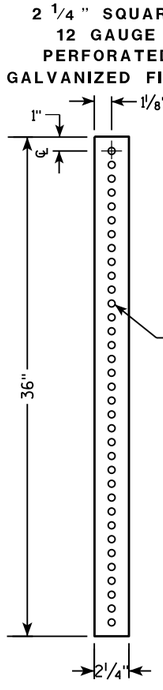
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

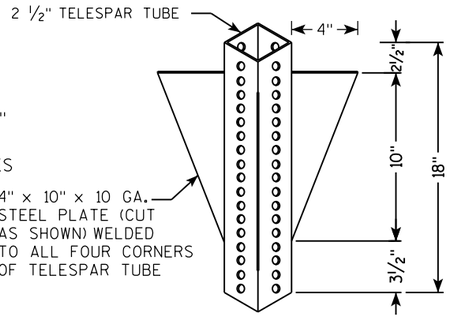
DATE 4/1/2020 PLATE NO. A4-8.9

TELESCOPIC TUBING ANCHORS
TWO PIECE SYSTEM

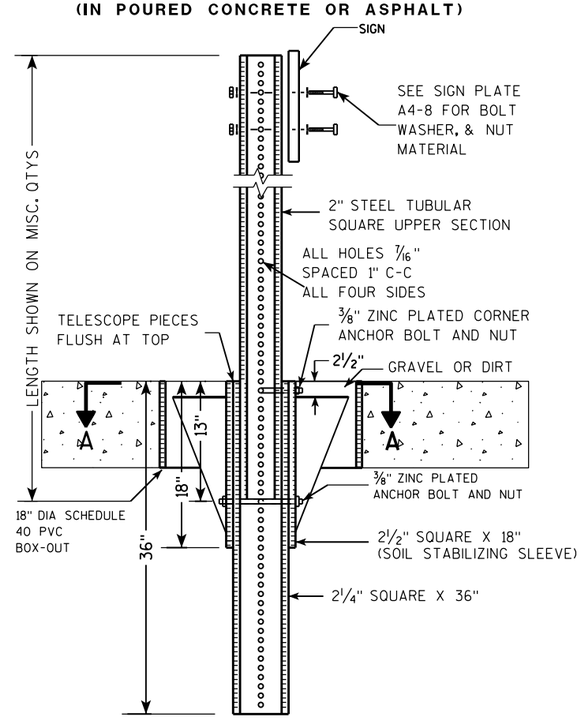
2 1/4 " SQUARE
12 GAUGE
PERFORATED
GALVANIZED FINISH



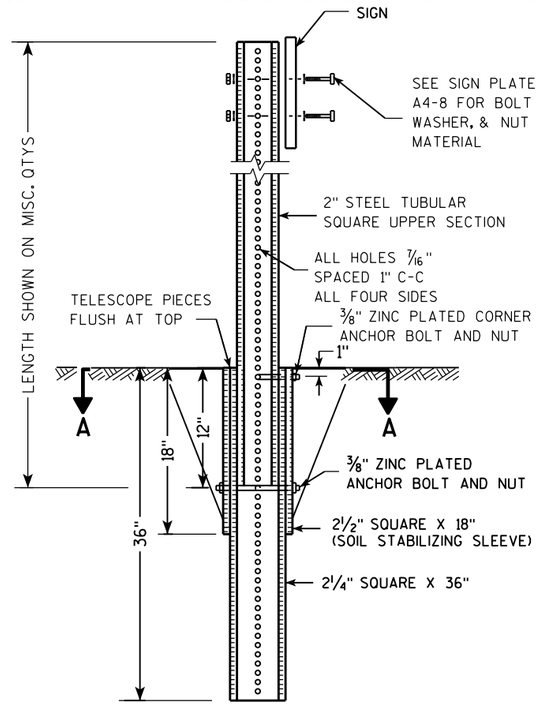
2 1/2 " SQUARE
12 GAUGE
OMNI-DIRECTIONAL
PERFORATED
SOIL STABILIZING SLEEVE
GALVANIZED FINISH

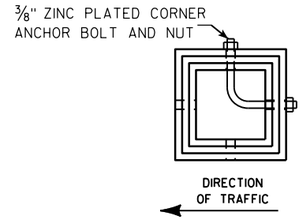


DETAIL OF TUBULAR STEEL SIGN POST
(IN POURED CONCRETE OR ASPHALT)



DETAIL OF TUBULAR STEEL SIGN POST
(IN LOCATIONS OTHER THAN POURED CONCRETE OR ASPHALT)





SECTION A-A

Area of Sign Installation (Sq. Ft.)	Number of Required Posts
9 or less	1
Greater than 9 less than or equal to 18	2
Greater than 18 less than or equal to 27	3

Signs wider than 3 feet or larger than 9 sq. ft shall be mounted on multiple posts (see above table).

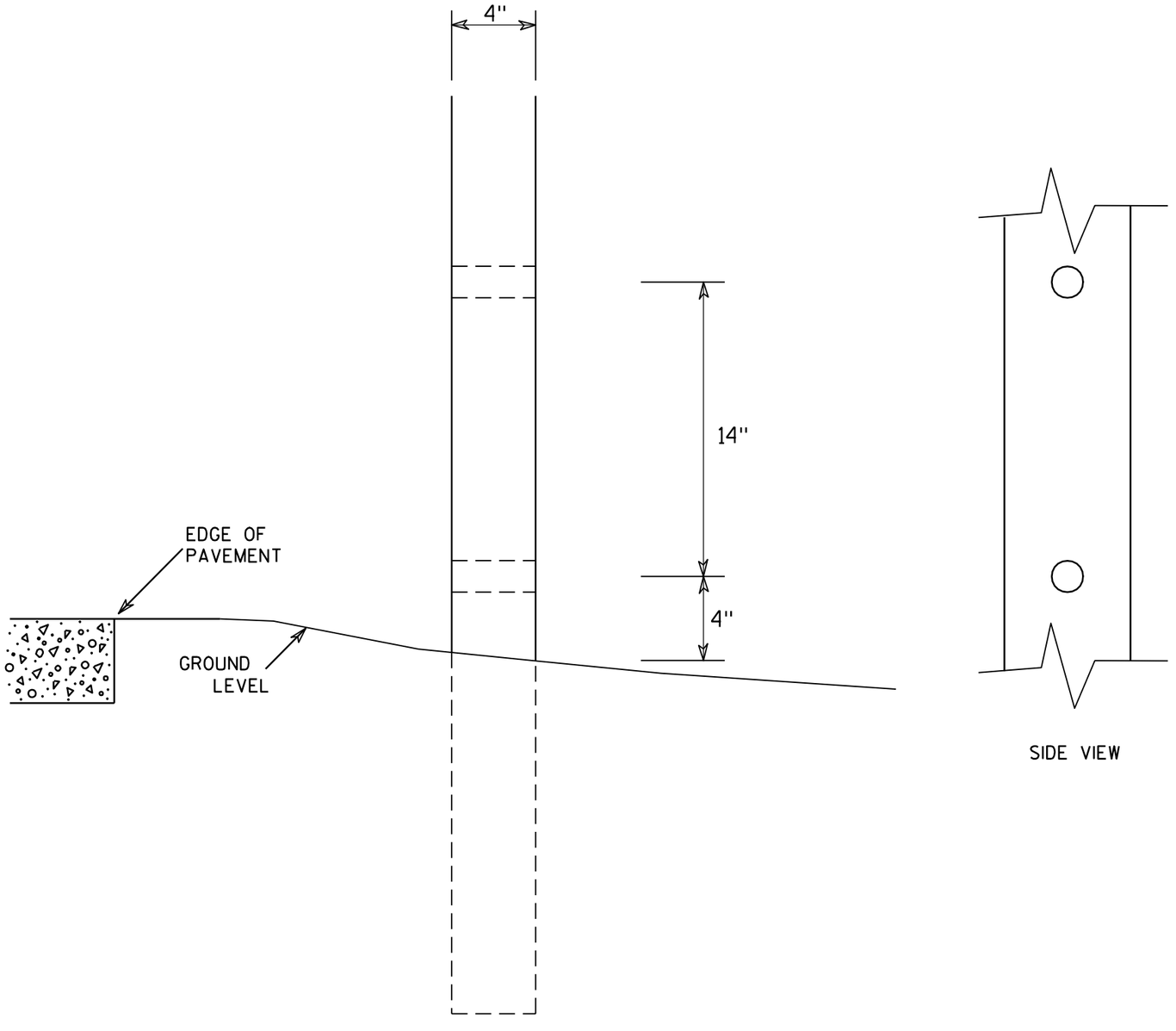
TUBULAR STEEL
SIGN POST
A4-9

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/05/15 PLATE 76 A4-9.9

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E



SIDE VIEW

GENERAL NOTES

1. All 4 x 6 Wood Posts shall be modified by having two 1½" diameter holes drilled perpendicular to the roadway centerline.

7

7

4 X 6 WOOD POST MODIFICATIONS

WISCONSIN DEPT OF TRANSPORTATION

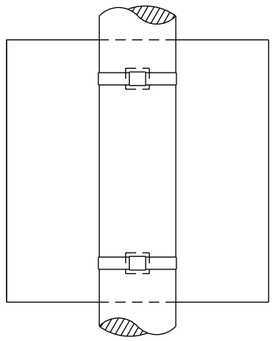
APPROVED Chester J Spang for State Traffic Engineer

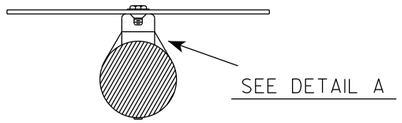
DATE 3/27/97 PLATE NO. A4-11.2

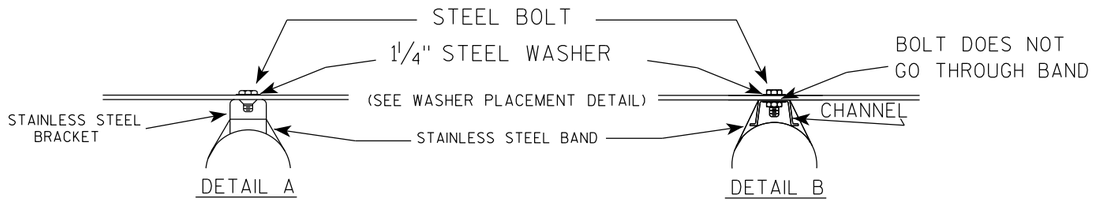
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 77	E

BANDING

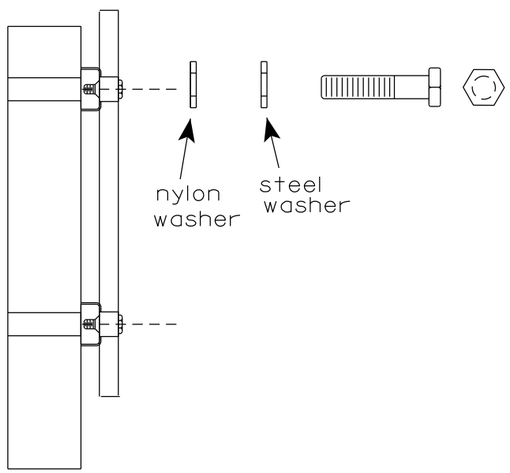
SINGLE SIGN







WASHER PLACEMENT

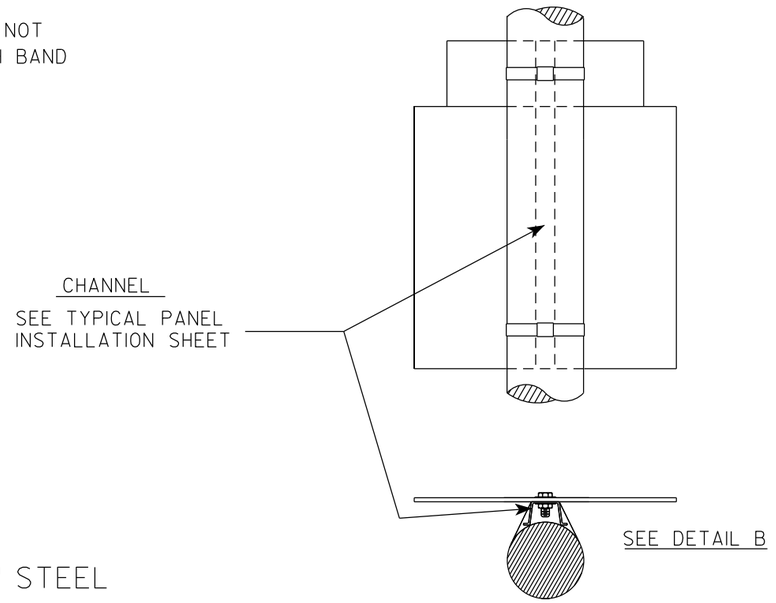


WASHERS (ALL POSTS) -
1-1/4" O.D. X 3/8" I.D. X 1/16" STEEL
1-1/4" O.D. X 3/8" I.D. X .080 NYLON
FOR ALL TYPE H SIGNS

GENERAL NOTES

1. Any sign over 3 feet in width shall use the V-Block banding method. See A5-10 standard plate.
2. Signs 3 feet or greater in height shall have three bracket bands installed. Signs less than 3 feet in height shall have two bracket bands installed.
3. Banding and assembly bracket shall be stainless steel. All bands shall be ¾" in width and 0.025" thickness.
4. ALL SIGN MOUNTING BOLTS AND WASHERS SHALL BE EITHER:
   a. Hot dip or mechanically galvanized in accordance with ASTM Designation: A 153, Class D
   b. Electro-galvanized in accordance with ASTM designation: B 633, Type III, SC 3

"J" ASSEMBLY



STANDARD SIGN
SIGN BANDING DETAILS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

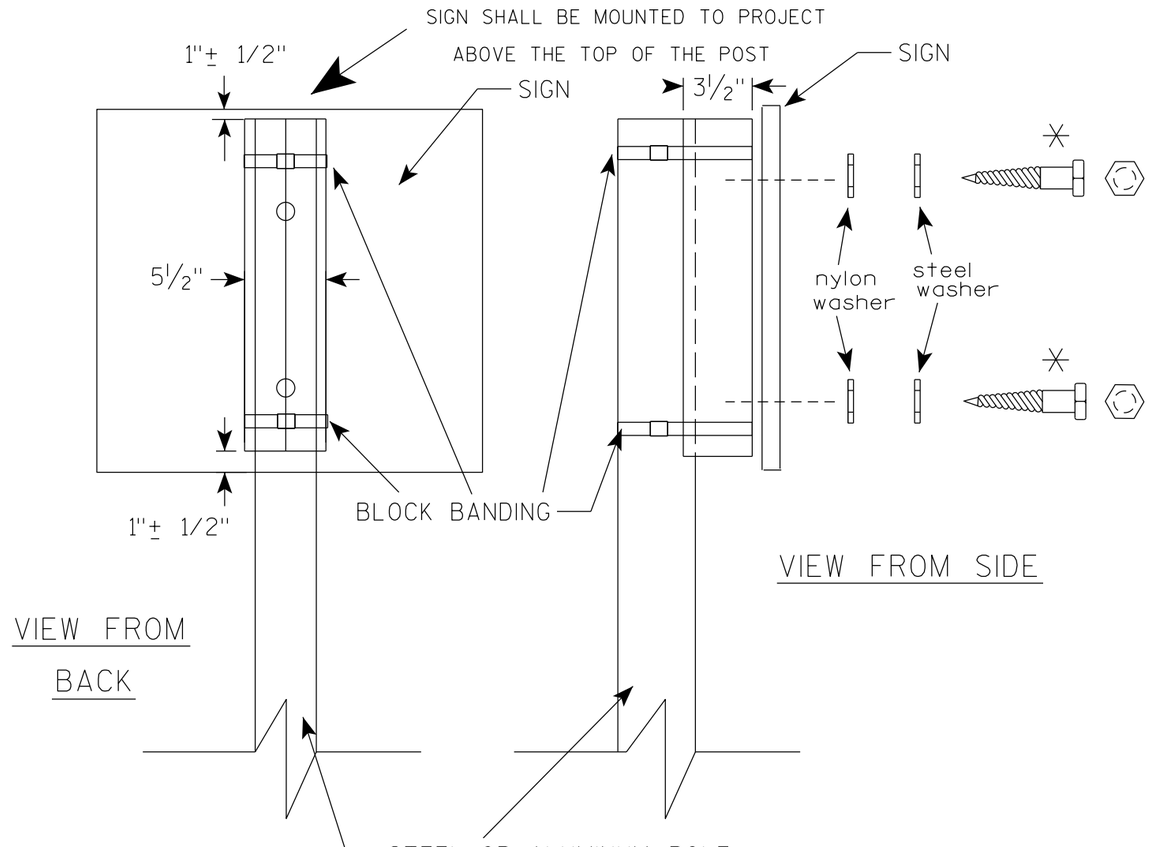
DATE 6/10/19 PLATE NO. A5-9.4

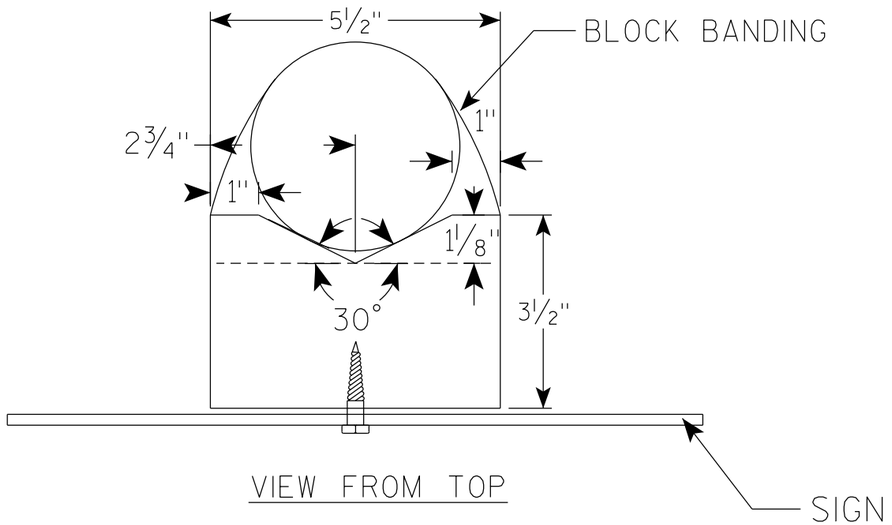
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 78	E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\A59.dgn PLOT DATE : 10-JUN 2019 4:10 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

7

7





GENERAL NOTES

1. WOOD 4"X6" POST MATERIAL SHALL CONFORM TO 507.2.2 OF THE WisDOT STANDARD SPECIFICATIONS
2. BLOCK BANDING AND CLIPS SHALL BE STAINLESS STEEL, ¾" WIDTH AND 0.025" THICKNESS
3. SIGNS 3' OR GREATER IN HEIGHT SHALL UTILIZE 3 BLOCK BANDS. SIGNS UNDER 3' IN HEIGHT SHALL UTILIZE 2 BLOCK BANDS
4. ACTUAL NUMBER OF FASTENERS PER SIGN VARIES WITH THE SIGN AREA, BUT NORNALLY THERE ARE TWO. FOR SIGNS GREATER THAN 9 S.F. 3 FASTENERS SHALL BE USED.
5. ALL SIGN MOUNTING BOLTS AND WASHERS SHALL BE EITHER:
   a. Hot dip or mechanically galvanized in accordance with ASTM Designation: A 153, Class D
   b. Electro-galvanized in accordance with ASTM Designation : B 633, TYPE III, SC 3
6. ALL BOLTS SHALL HAVE HEXAGONAL HEADS.
7. STEEL WASHERS SHALL BE 1¼" O.D. X ⅜" I.D. X 1/16"
8. NYLON WASHERS SHALL BE 1¼" O.D. X ⅜" I.D. X .080 FOR TYPE H OR TYPE F FACE SIGN

✳ LAG BOLTS SHALL BE ⅜" X 2½"

BLOCK BANDING DETAIL (V-BLOCK OPTION)

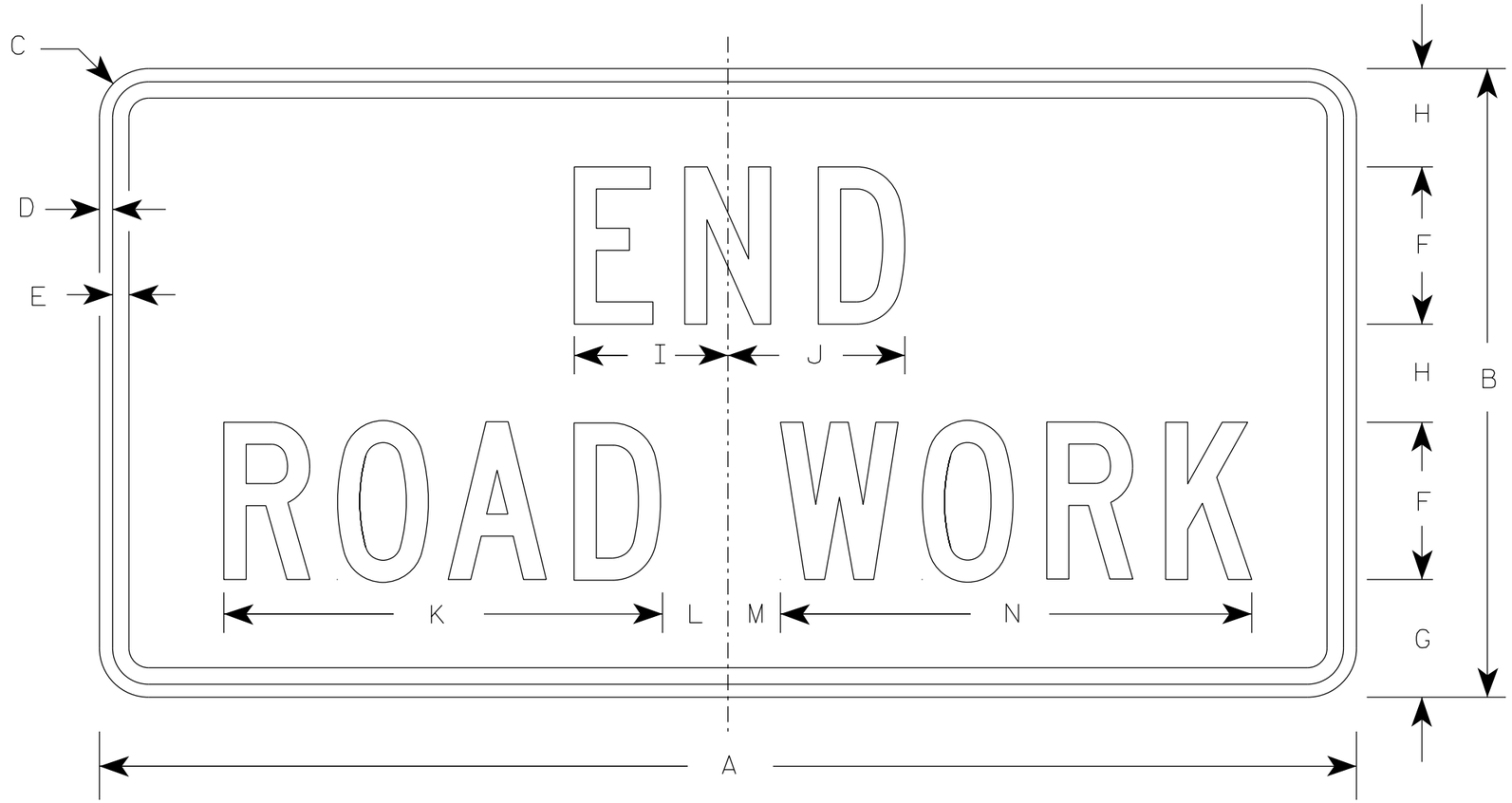
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/19/2022 PLATE NO. A5-10.3

PROJECT NO:

SHEET NO: 79 E



G20-2A

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36	18	1 1/2	3/8	1/2	4	3 3/4	2 1/2	4 1/8	4 1/8	11 1/8	2	1	12 1/8													4.5
2	48	24	1 7/8	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0
2M	48	24	1 7/8	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0
3	48	24	1 7/8	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0
4	48	24	1 7/8	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0
5	48	24	1 7/8	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0

STANDARD SIGN

G20-2A

WISCONSIN DEPT OF TRANSPORTATION

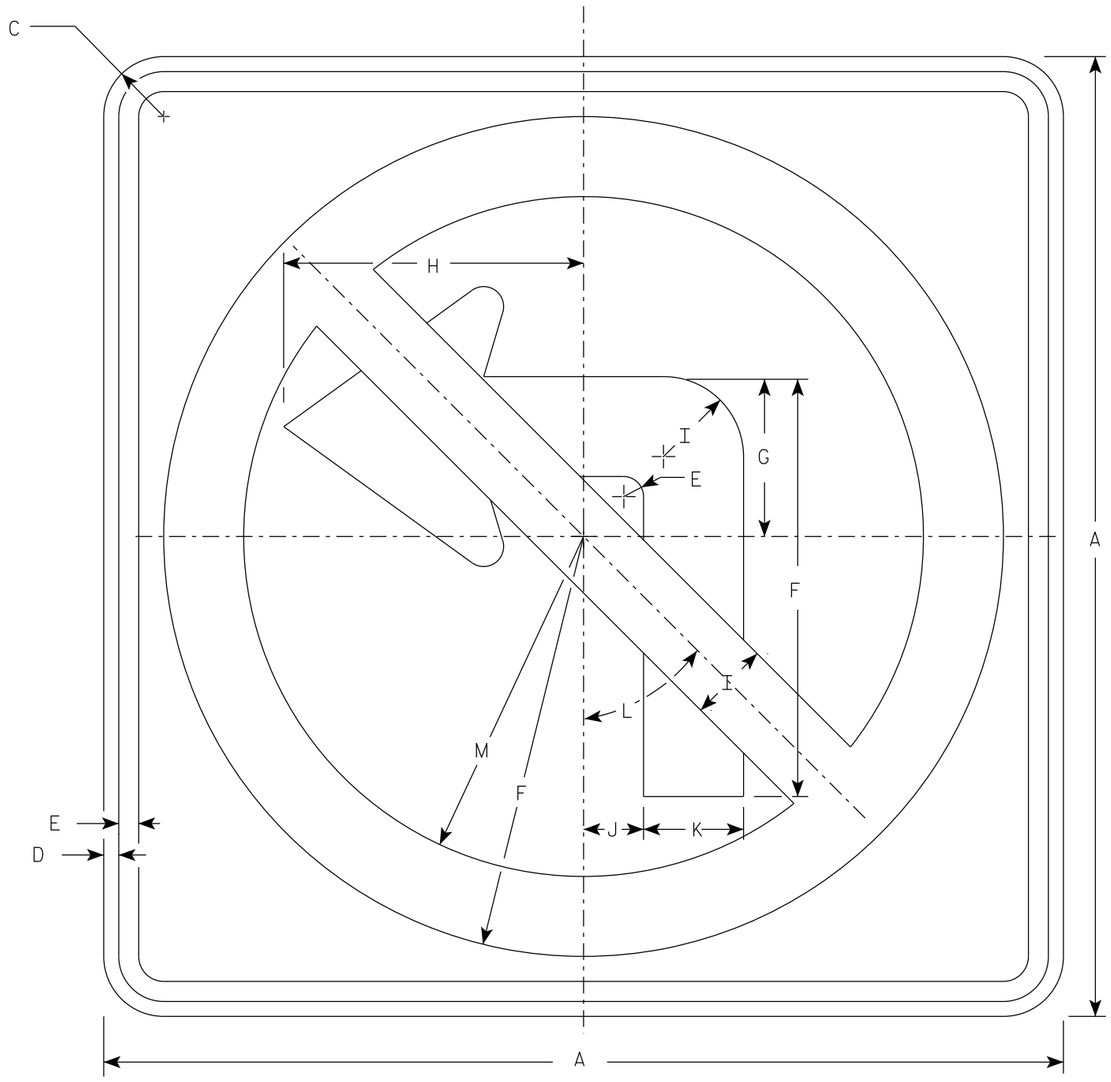
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/26/2023 PLATE NO. G20-2A.10

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 80 E

7

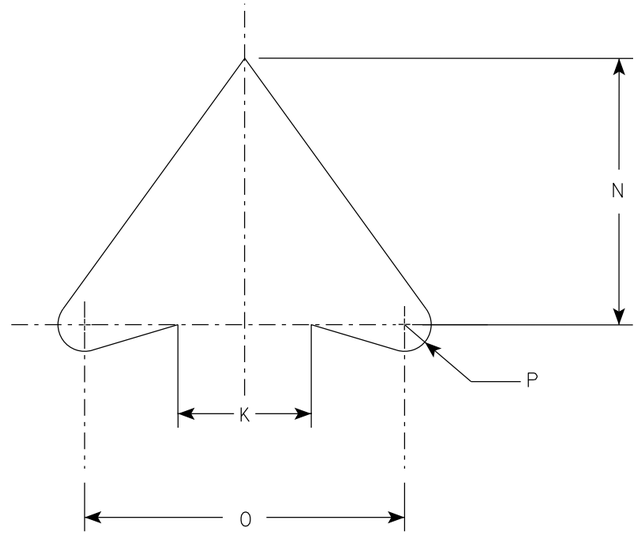
7



R3-2

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - See note 3
3. Border & Arrow are non reflective black, the circle with diagonal bar is reflective red.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24		1 ½	⅜	½	10 ½	4	7 ½	2	1 ½	2 ½	45°	8 ½	5	6	½											4.0
2S	24		1 ½	⅜	½	10 ½	4	7 ½	2	1 ½	2 ½	45°	8 ½	5	6	½											4.0
2M	36		2 ¼	⅝	¾	15 ¾	6	11 ¼	3	2 ¼	3 ¾	45°	12 ¾	7 ½	9	¾											9.0
3	36		2 ¼	⅝	¾	15 ¾	6	11 ¼	3	2 ¼	3 ¾	45°	12 ¾	7 ½	9	¾											9.0
4	36		2 ¼	⅝	¾	15 ¾	6	11 ¼	3	2 ¼	3 ¾	45°	12 ¾	7 ½	9	¾											9.0
5	48		2 ¼	¾	1	21	8	15	4	3	5	45°	17	10	12	1											16.0

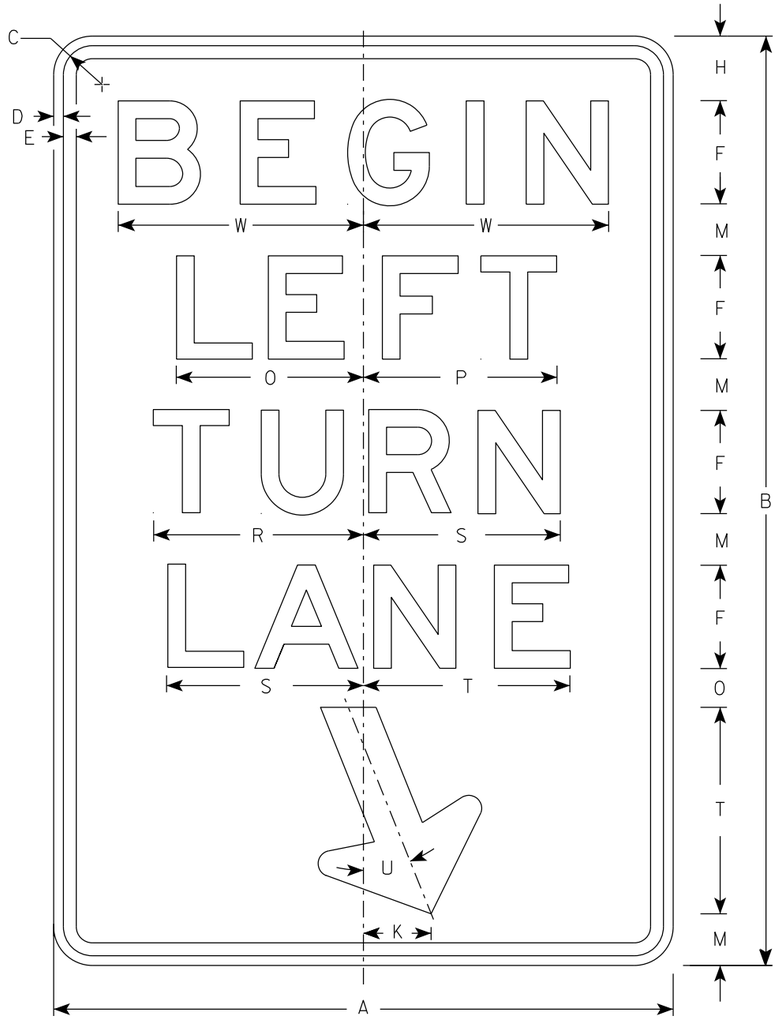
STANDARD SIGN
R3-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/2/23 PLATE NO. R3-2.11

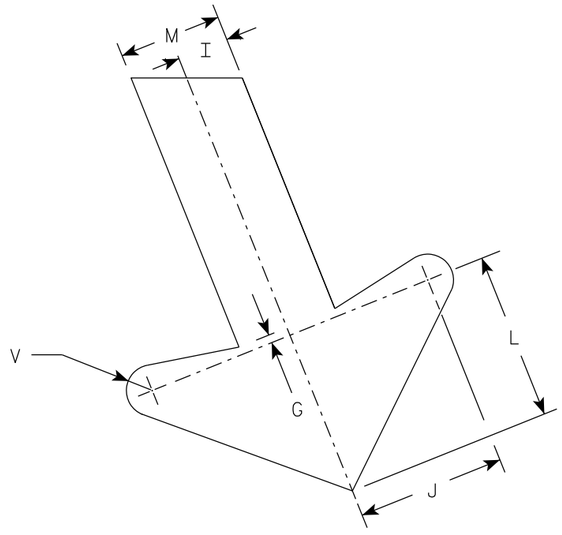
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 81 | E



R3-20L

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - E



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	36	1 1/2	3/8	1/2	4	1/4	2 1/2	1	2 7/8	2 5/8	3 1/4	2	1 1/2	7 1/4	7 1/2		8 1/8	7 5/8	8	22°	1/2	9 1/2				6.0
2M	24	36	1 1/2	3/8	1/2	4	1/4	2 1/2	1	2 7/8	2 5/8	3 1/4	2	1 1/2	7 1/4	7 1/2		8 1/8	7 5/8	8	22°	1/2	9 1/2				6.0
3	36	54	1 7/8	1/2	5/8	6	3/8	3 3/4	1 1/2	4 1/4	4	4 7/8	3	2 1/4	10 7/8	11 1/4		12 1/4	11 1/2	12	22°	3/4	13 1/4				13.5
4																											
5																											

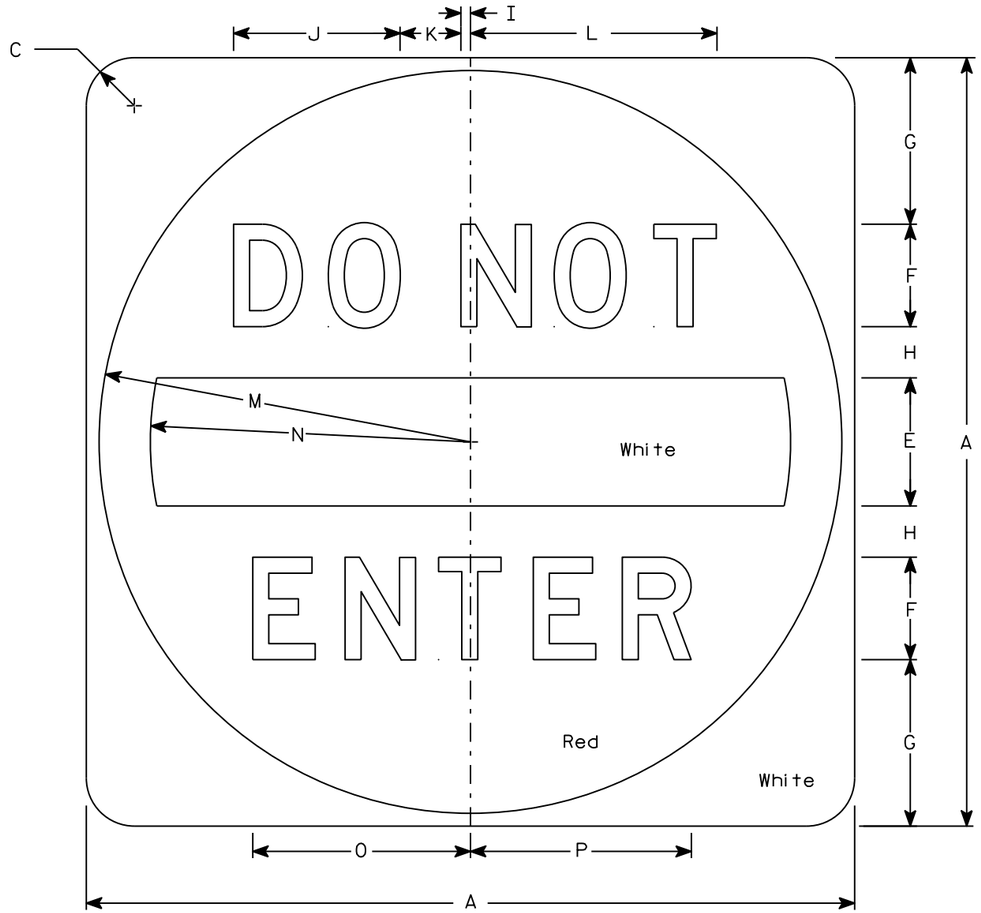
STANDARD SIGN
R3-20L

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/23/23 PLATE NO. R3-20L.8

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 82 | E



R5-1

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - See detail
   Message - White
3. Message Series - D

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30		1 7/8		5	4	6 1/2	2	3/8	6 1/2	2 3/8	9 5/8	14 1/2	12 1/2	8 1/2	8 5/8											6.25
2M	36		2 1/4		6	5	7 1/2	2 1/2	1/2	8 1/8	3	12 1/8	17 1/2	15	10 5/8	10 3/4											9.0
3	36		2 1/4		6	5	7 1/2	2 1/2	1/2	8 1/8	3	12 1/8	17 1/2	15	10 5/8	10 3/4											9.0
4	36		2 1/4		6	5	7 1/2	2 1/2	1/2	8 1/8	3	12 1/8	17 1/2	15	10 5/8	10 3/4											9.0
5	48		3		8	6	11	3	5/8	9 3/4	3 5/8	14 1/2	23 1/2	20	12 3/4	12 7/8											16.0

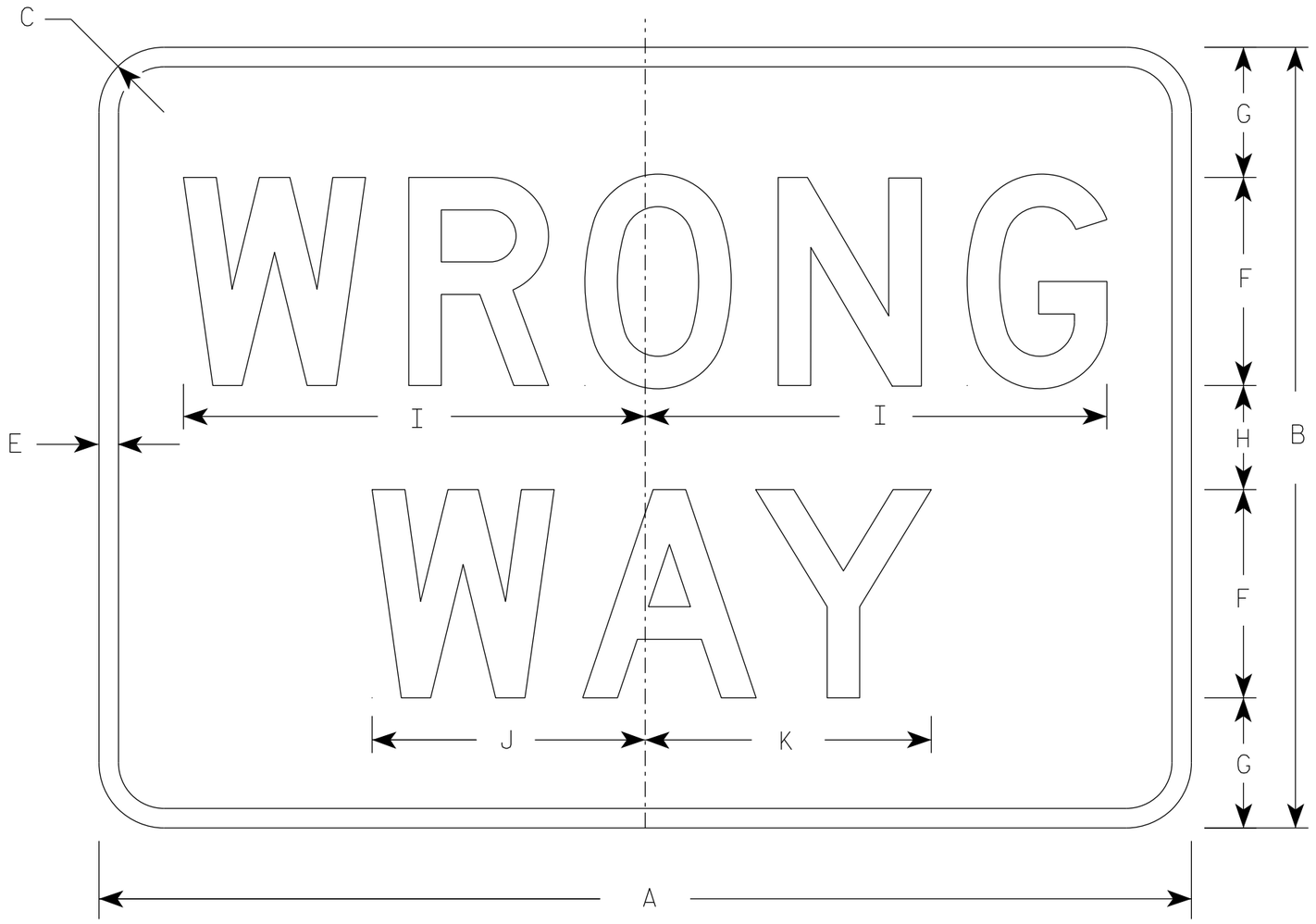
STANDARD SIGN
R5-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/15/18 PLATE NO. R5-1.16

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 83 | E



R5-1A

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - Red
   Message - White
3. Message Series - D

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30	18	1 1/2		1/2	5	3	2	11	6 1/2	6 7/8																3.75
2S	36	24	1 1/2		5/8	6	4 1/2	3	13 1/4	7 7/8	8 1/4																6.00
2M	42	30	1 7/8		3/4	8	5	4	17 3/4	10 1/2	11																8.75
3	42	30	1 7/8		3/4	8	5	4	17 3/4	10 1/2	11																8.75
4	42	30	1 7/8		3/4	8	5	4	17 3/4	10 1/2	11																8.75
5	42	30	1 7/8		3/4	8	5	4	17 3/4	10 1/2	11																8.75

STANDARD SIGN
R5-1A

WISCONSIN DEPT OF TRANSPORTATION

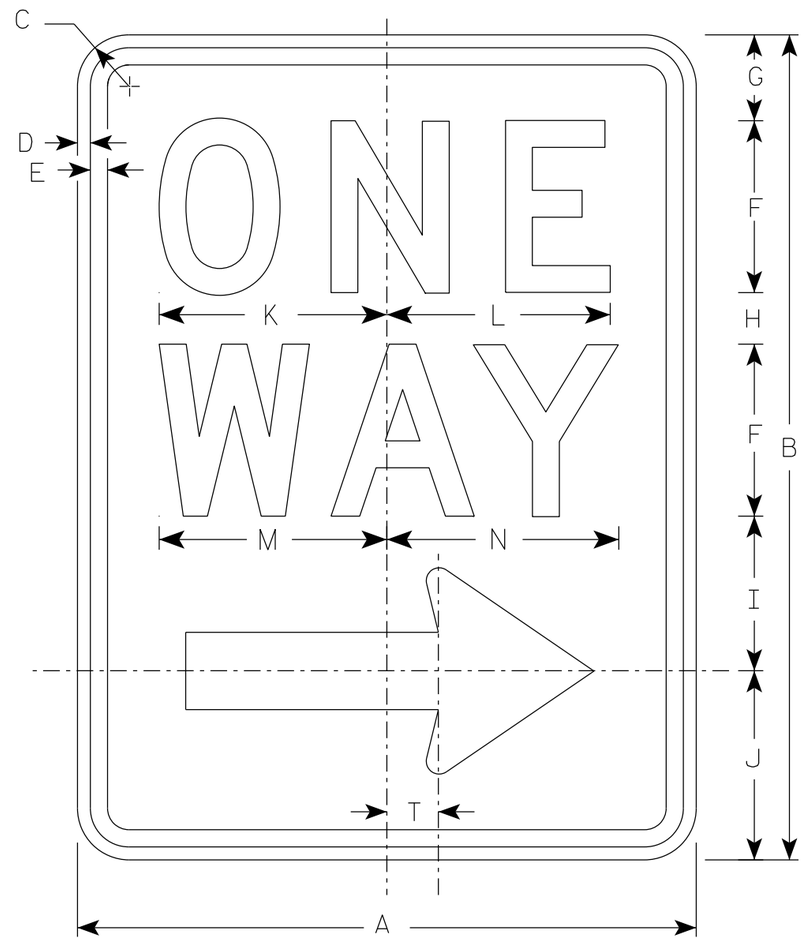
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 8/17/23 PLATE NO. R5-1A.3

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 84 | E

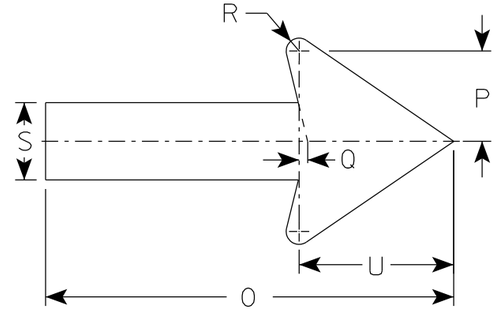
NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D
4. R6-2L same as R6-2R except arrow points to the left.



R6-2R

Arrow Detail



SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
1	18	24	1 1/2	3/8	1/2	5	2 1/2	1 1/2	4 1/2	5 1/2	6 5/8	6 1/2	6 5/8	6 3/4	11 7/8	2 5/8	1/4	3/8	2 1/4	1 1/2	4 1/2					
2S	24	1 1/2	1 1/2	3/8	1/2	6	3	2 1/2	5 1/2	7	8 1/8	8 1/8	8 1/2	8 5/8	16	3 1/2	3/8	1/2	3	2	6					
2M	30	36	1 7/8	1/2	5/8	8	2 1/2	2 5/8	6 7/8	8	10 1/2	10 1/2	11 1/4	11 1/4	20	4 3/8	1/2	5/8	3 3/4	2 1/2	7 1/2					
3	36	48	1 7/8	1/2	5/8	10	5 1/4	3 1/4	9	10 1/2	12 3/4	12 3/4	13 1/4	13 1/2	24	5 5/8	1/2	3/4	4 3/4	3	9					
4	36	48	1 7/8	1/2	5/8	10	5 1/4	3 1/4	9	10 1/2	12 3/4	12 3/4	13 1/4	13 1/2	24	5 5/8	1/2	3/4	4 3/4	3	9					
5																										

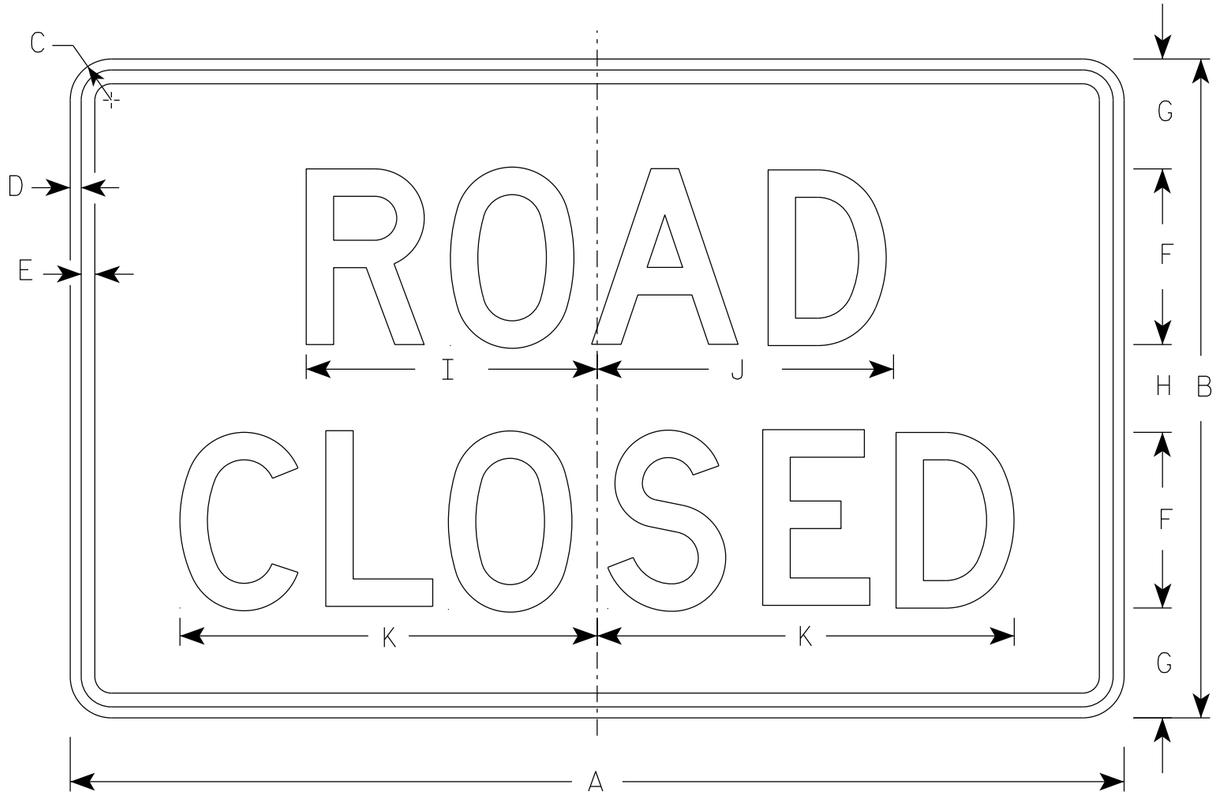
STANDARD SIGN
R6-2 R&L

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/2/10 PLATE NO. R6-2.8

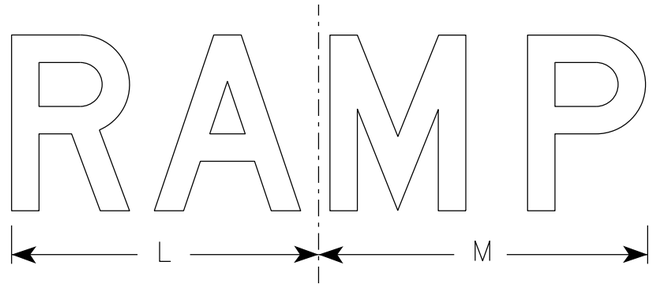
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 85	E



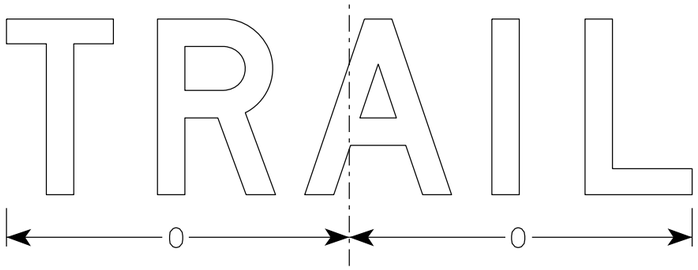
R11-2

NOTES

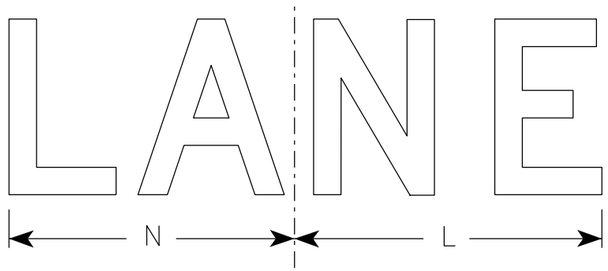
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Modify the message as required.



R11-2R



R11-2T



R11-2L

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	48	30	1 7/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13	15 5/8												10.0
2M	48	30	1 7/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13	15 5/8												10.0
3	48	30	1 7/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13	15 5/8												10.0
4	48	30	1 7/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13	15 5/8												10.0
5	48	30	1 7/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13	15 5/8												10.0

STANDARD SIGN
R11-2

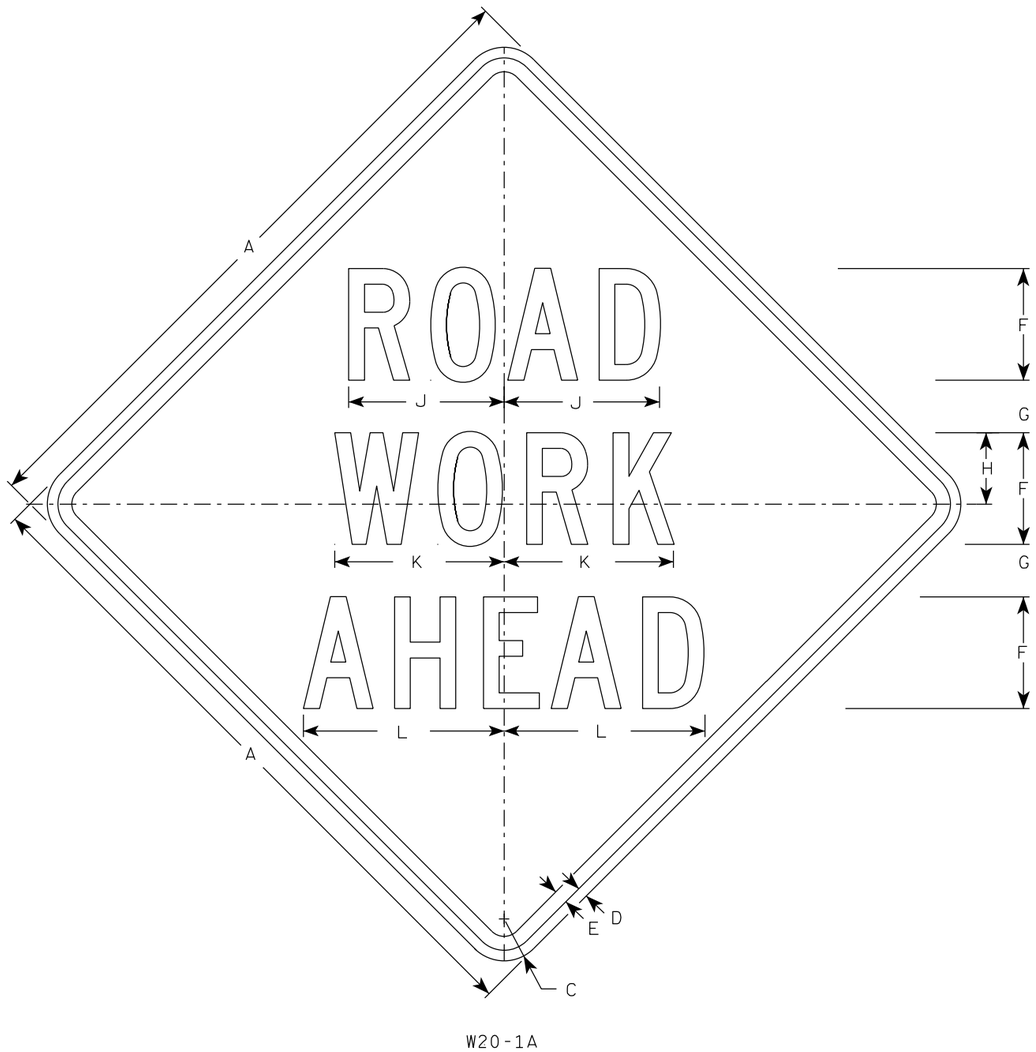
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

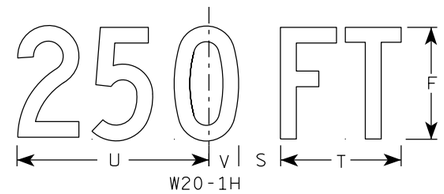
DATE 2/5/24 PLATE NO. R11-2.12

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

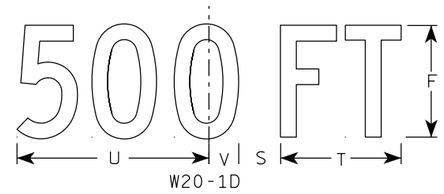
FILE NAME : C:\Users\PROJECTS\tr_stdplate\R112.dgn PLOT DATE : 5-FEB 2024 2:10 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42



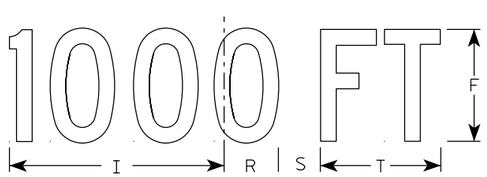
W20-1A



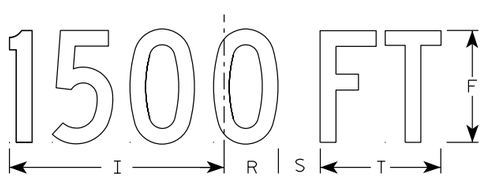
W20-1H



W20-1D



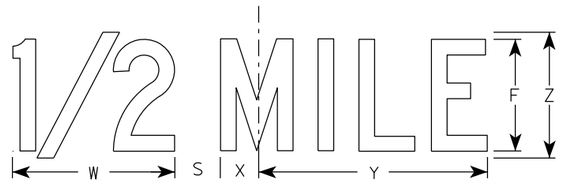
W20-1C



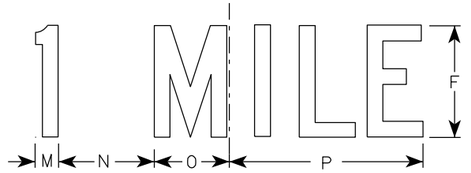
W20-1B

NOTES

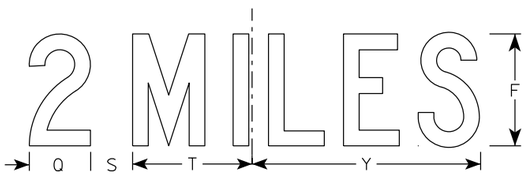
1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



W20-1G



W20-1F



W20-1E

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		2 1/4	5/8	3/4	5	2 5/8	3 1/4	10 1/8	7	7 5/8	8 7/8	1 1/8	4 1/2	3 1/2	9	3 1/4	2 1/2	2 1/4	5 5/8	9	1 3/8	8	1 3/4	10 3/4	6	9.0
2S	48		3	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
2M	48		3	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
3	48		3	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
4	48		3	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
5	48		3	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0

STANDARD SIGN
W20-1A, B, C, D, E, F, G & H

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 1/10/2024 PLATE NO. W20-1.12

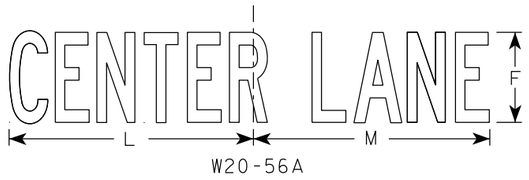
PROJECT NO:

SHEET NO: 87 E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W201.DGN PLOT DATE : 10-JAN 2024 11:16 PLOT BY : dotc4c

WISDOT/CADDS SHEET 42

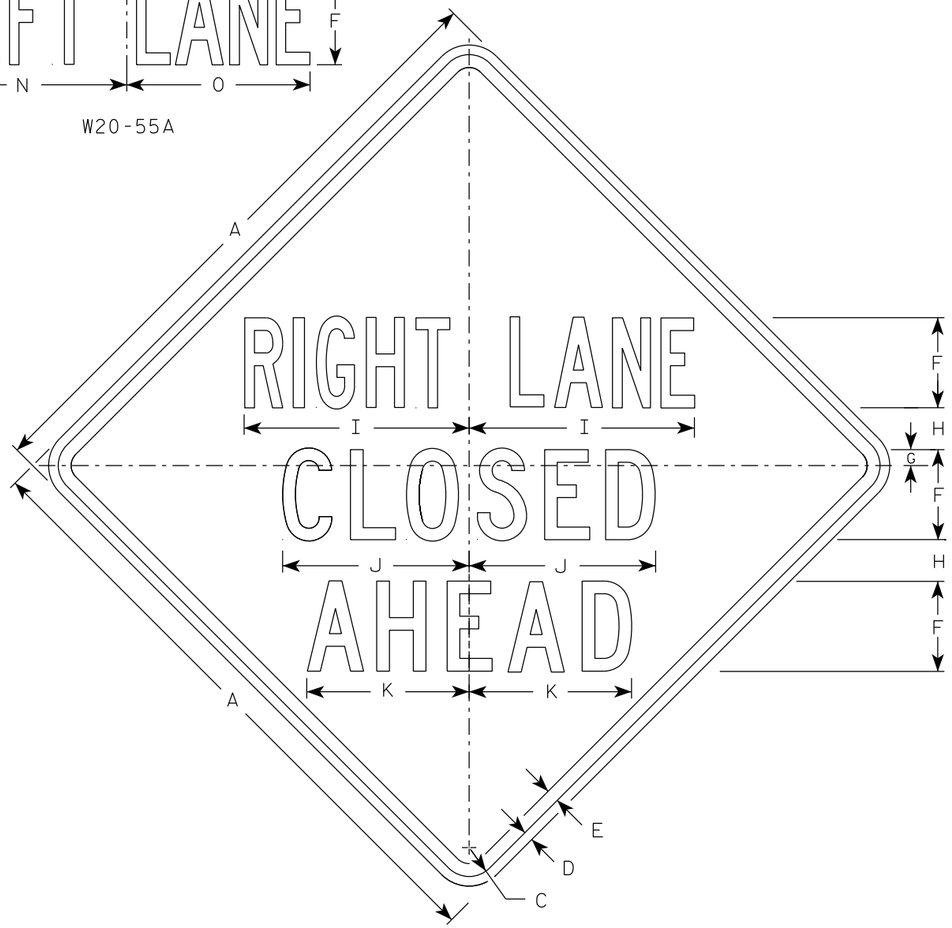
7



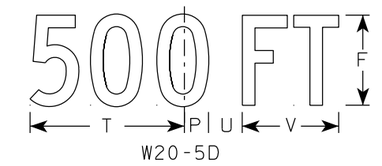
W20-56A



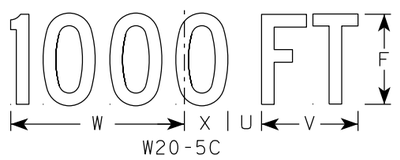
W20-55A



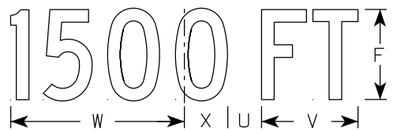
W20-5A



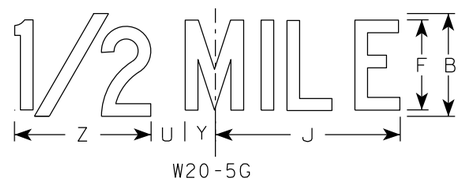
W20-5D



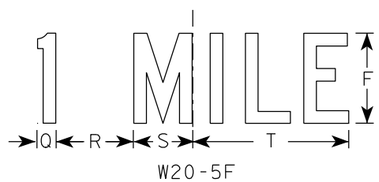
W20-5C



W20-5B



W20-5G



W20-5F

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - See Note 5
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. " _____ LANE" is Series B.
   All other copy is Series C.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36	6	2 1/4	5/8	3/4	5	7/8	2 1/2	13 1/8	10 3/4	9 1/2	14 1/4	13 5/8	12	12	1 3/8	1 1/8	4 1/2	3 1/2	9	1 7/8	5 5/8	10 1/8	2 1/2	1 3/4	8	9.0
2S	48	8	3	3/4	1	7	1 1/4	3 1/4	17 1/2	14 3/8	12 5/8	19	18 3/8	16	14 1/4	1 7/8	1 1/2	6	4 5/8	12	2 5/8	7 1/2	13 1/2	3 3/8	2 3/8	10 5/8	16.0
2M	48	8	3	3/4	1	7	1 1/4	3 1/4	17 1/2	14 3/8	12 5/8	19	18 3/8	16	14 1/4	1 7/8	1 1/2	6	4 5/8	12	2 5/8	7 1/2	13 1/2	3 3/8	2 3/8	10 5/8	16.0
3	48	8	3	3/4	1	7	1 1/4	3 1/4	17 1/2	14 3/8	12 5/8	19	18 3/8	16	14 1/4	1 7/8	1 1/2	6	4 5/8	12	2 5/8	7 1/2	13 1/2	3 3/8	2 3/8	10 5/8	16.0
4	48	8	3	3/4	1	7	1 1/4	3 1/4	17 1/2	14 3/8	12 5/8	19	18 3/8	16	14 1/4	1 7/8	1 1/2	6	4 5/8	12	2 5/8	7 1/2	13 1/2	3 3/8	2 3/8	10 5/8	16.0
5	48	8	3	3/4	1	7	1 1/4	3 1/4	17 1/2	14 3/8	12 5/8	19	18 3/8	16	14 1/4	1 7/8	1 1/2	6	4 5/8	12	2 5/8	7 1/2	13 1/2	3 3/8	2 3/8	10 5/8	16.0

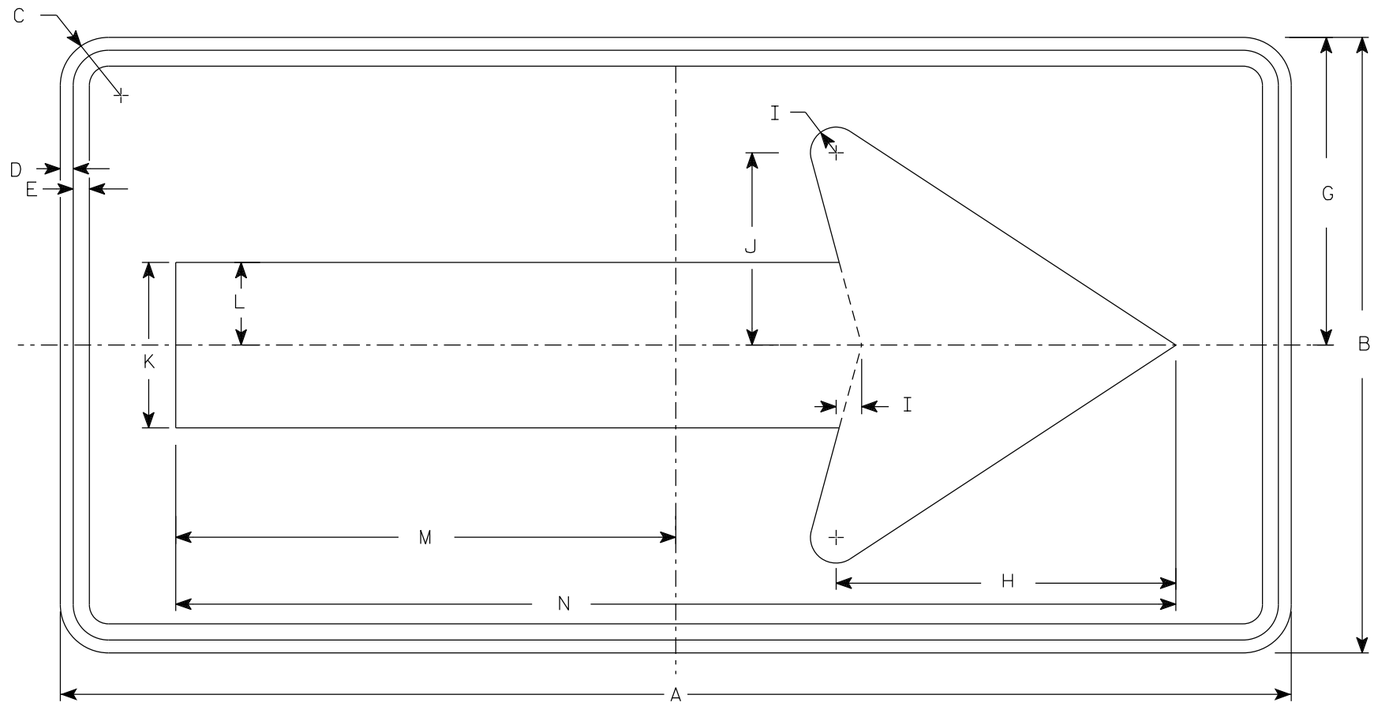
STANDARD SIGN
W20-5A, B, C, D, F & G

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/27/24 PLATE NO. W20-5.12

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 88	E



WO1-6

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	48	24	1 7/8	1/2	5/8		12	13 1/4	1	7 1/2	6 1/2	3 1/4	19 1/2	39													8.0
2M	48	24	1 7/8	1/2	5/8		12	13 1/4	1	7 1/2	6 1/2	3 1/4	19 1/2	39													8.0
3	60	30	1 7/8	1/2	5/8		15	16 1/4	1 1/4	9 1/4	8	4	24 3/8	48 3/4													12.5
4	60	30	1 7/8	1/2	5/8		15	16 1/4	1 1/4	9 1/4	8	4	24 3/8	48 3/4													12.5
5	60	30	1 7/8	1/2	5/8		15	16 1/4	1 1/4	9 1/4	8	4	24 3/8	48 3/4													12.5

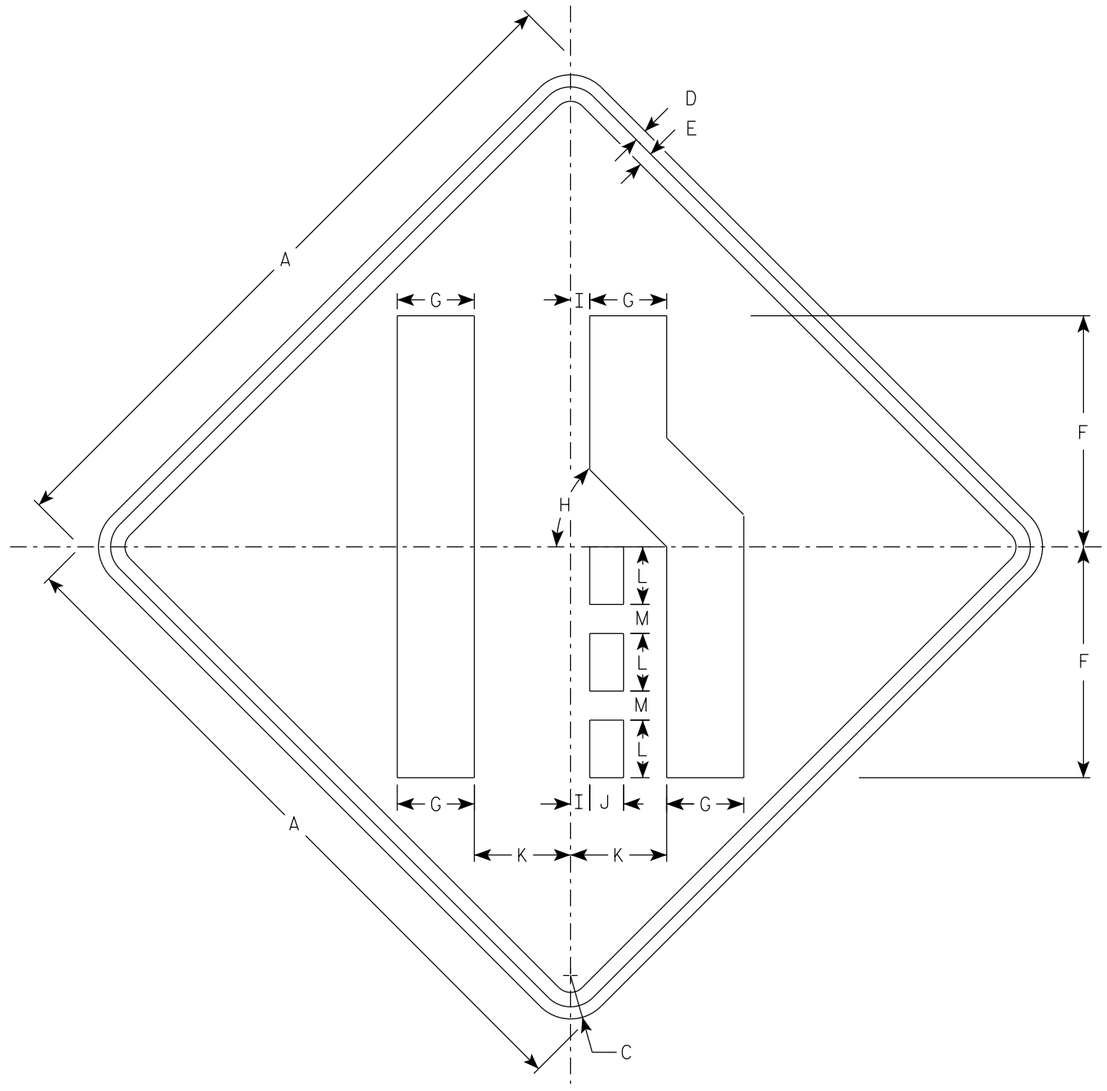
STANDARD SIGN
WO1-6

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/24/2024 PLATE NO. WO1-6.2

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E



W04-2R

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. W04-2L is the same as W04-2R except the symbol is reversed along the vertical centerline.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		2 1/4	5/8	3/4	12	4	45°	1	1 3/4	5	3	1 1/2														9.0
2S	48		3	3/4	1	16	5 3/8	45°	1 1/4	2 3/8	6 3/4	4	2														16.0
2M	48		3	3/4	1	16	5 3/8	45°	1 1/4	2 3/8	6 3/4	4	2														16.0
3	48		3	3/4	1	16	5 3/8	45°	1 1/4	2 3/8	6 3/4	4	2														16.0
4	48		3	3/4	1	16	5 3/8	45°	1 1/4	2 3/8	6 3/4	4	2														16.0
5	48		3	3/4	1	16	5 3/8	45°	1 1/4	2 3/8	6 3/4	4	2														16.0

STANDARD SIGN
W04-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/25/2024 PLATE NO. W04-2.2

PROJECT NO:

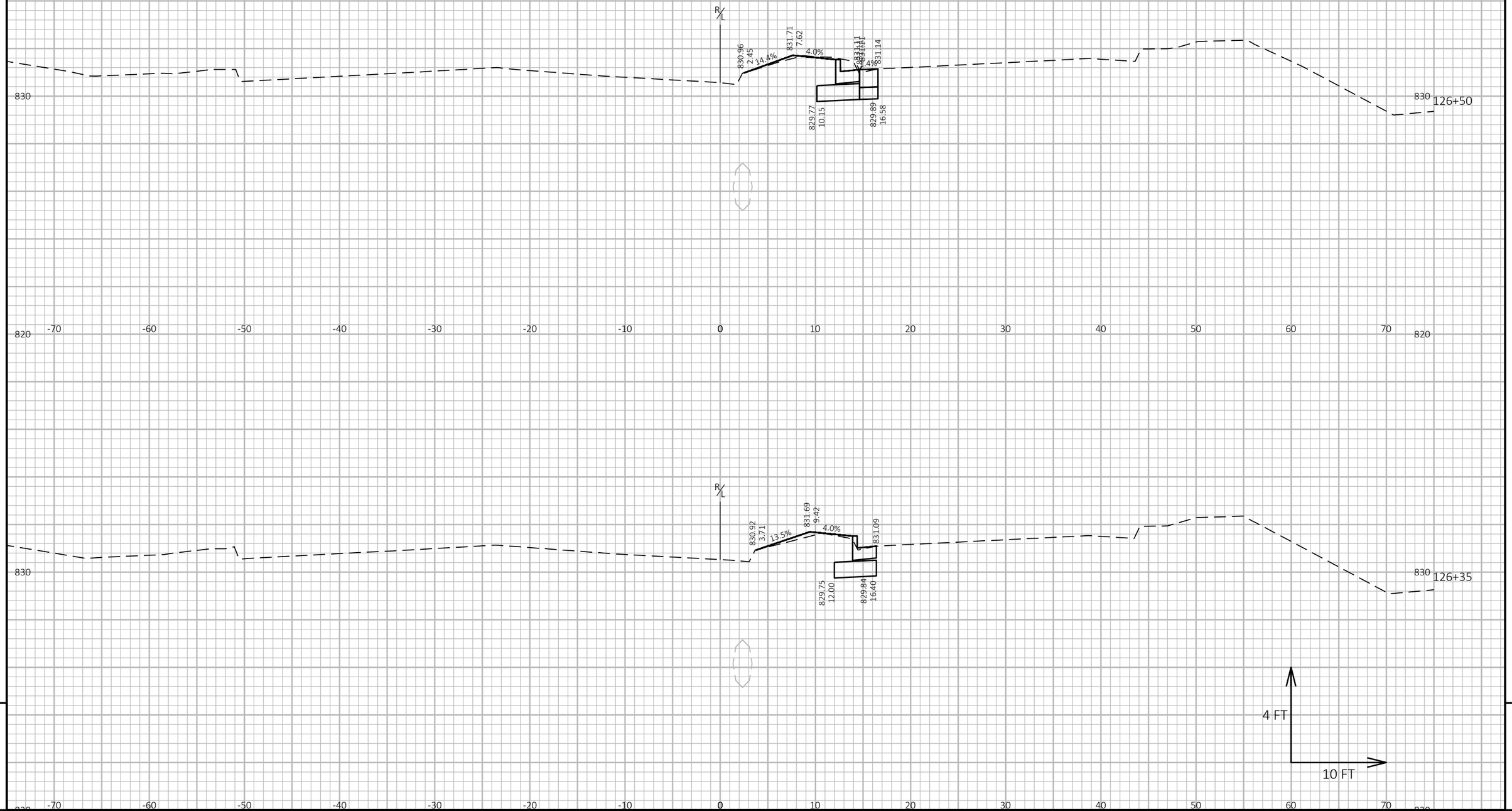
SHEET NO: 90 E

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	EXPANDED FILL	MASS ORDINATE
									1.00	1.20	
						NOTE 1	NOTE 2	NOTE 3	NOTE 1		NOTE 8
126+35.21	12635.21	0.00	6.47	1.93	0.68	0	0	0	0	0	0
126+50.00	12650.00	14.79	10.05	1.93	0.35	5	1	0	5	0	4
127+00.00	12700.00	50.00	22.31	1.83	0.00	30	3	0	35	0	31
127+50.00	12750.00	50.00	37.85	1.91	0.00	56	3	0	91	0	84
128+00.00	12800.00	50.00	48.79	1.93	0.00	80	4	0	171	0	160
128+50.00	12850.00	50.00	51.22	1.96	0.00	93	4	0	264	0	249
129+00.00	12900.00	50.00	49.44	2.09	0.00	93	4	0	357	0	338
129+50.00	12950.00	50.00	44.25	5.31	0.00	87	7	0	444	0	418
130+00.00	13000.00	50.00	41.26	9.18	0.00	79	13	0	523	0	484
130+50.00	13050.00	50.00	39.45	11.44	0.00	75	19	0	598	0	540
131+00.00	13100.00	50.00	34.46	19.27	0.40	68	28	0	666	0	580
131+50.00	13150.00	50.00	12.55	11.55	3.63	44	29	4	710	5	590
132+00.00	13200.00	50.00	6.16	9.33	3.88	17	19	7	727	13	580
132+50.00	13250.00	50.00	6.09	4.91	0.94	11	13	4	738	18	573
132+83.91	13283.91	33.91	6.41	1.88	0.05	8	4	1	746	19	576

NOTES:	
1 - CUT	CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL
2 - SALVAGED/UNUSABLE PAVEMENT MATERIAL	THIS DOES NOT SHOW UP IN CROSS SECTIONS
3 - FILL	DOES NOT INCLUDE UNUSABLE PAVEMENT EXC VOLUME
8 - MASS ORDINATE	IF MARSH AND EBS TO BE BACKFILLED WITH GRANULAR: [CUT - SALVAGED PAVT - ((FILL - EXPANDED ROCK) * FILL FACTOR)]

9

9



9

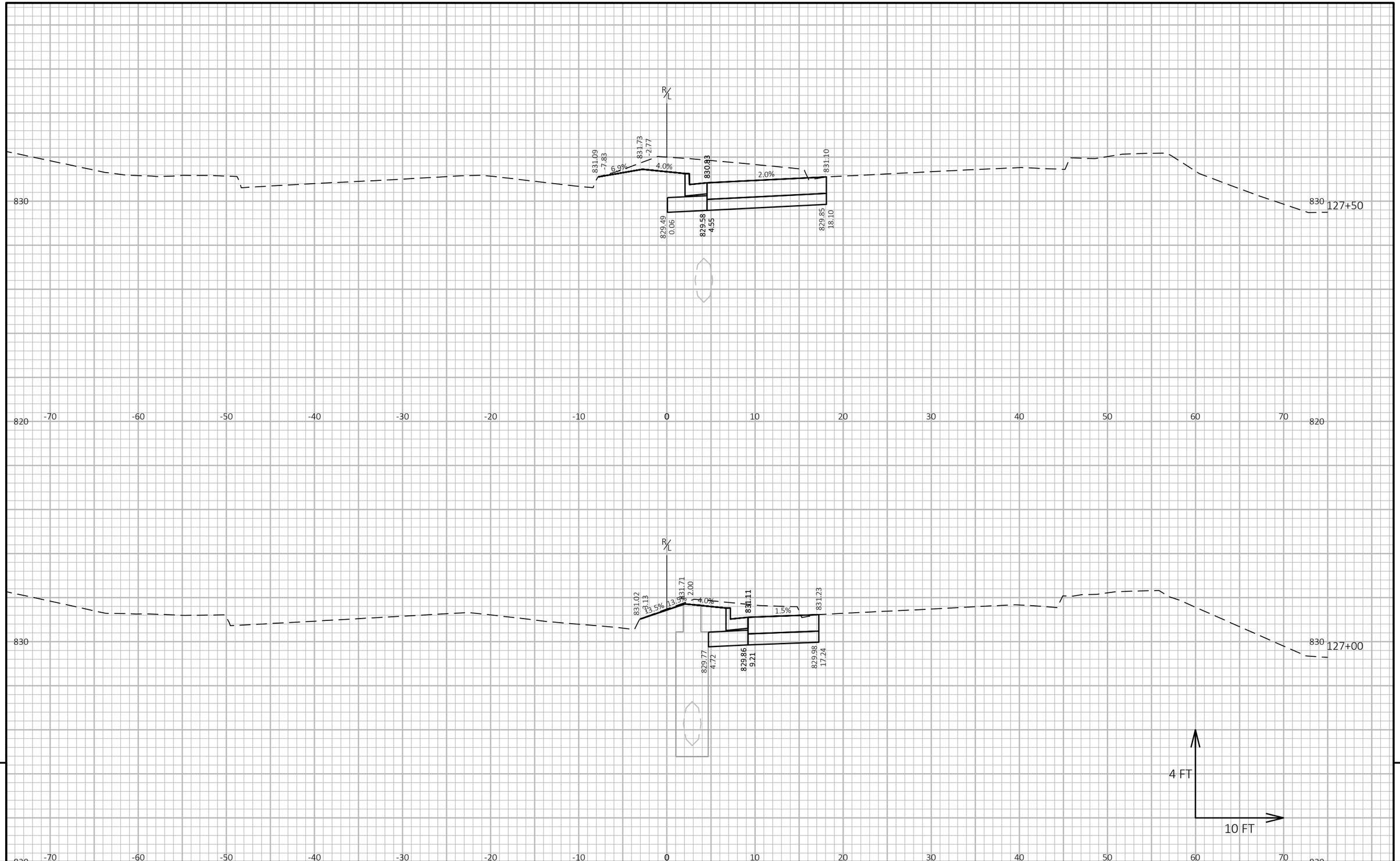
9

PROJECT NO: 6130-01-72	HWY: STH 13	COUNTY: SAUK	CROSS SECTIONS	SHEET 92	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6130-01-02\090201_XS.DWG
LAYOUT NAME - 090201_xs

PLOT DATE : 6/10/2025 3:01 PM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

WISDOT/CADDS SHEET 49



9

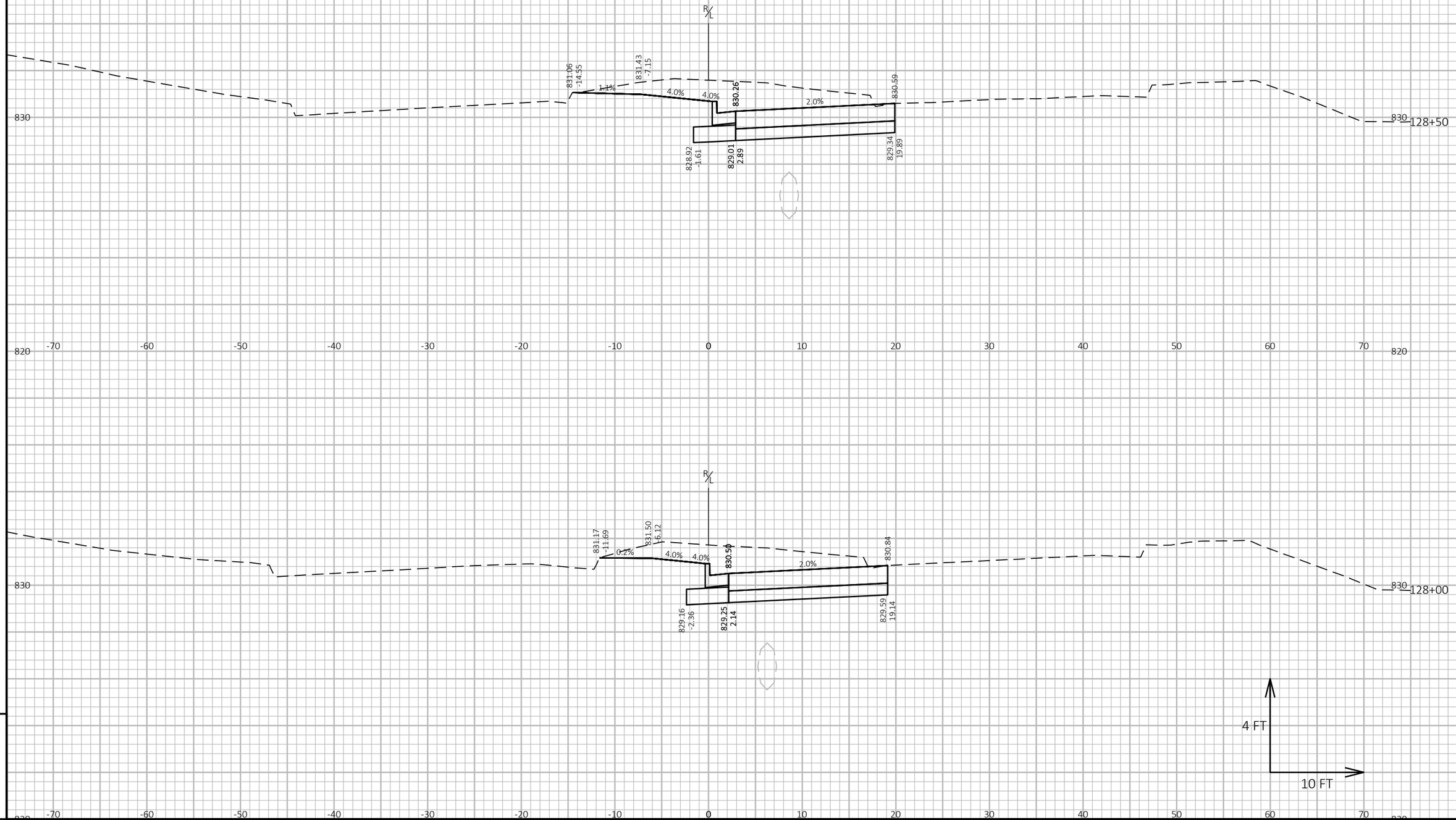
9

PROJECT NO: 6130-01-72	HWY: STH 13	COUNTY: SAUK	CROSS SECTIONS	SHEET 93	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6130-01-02\090201_XS.DWG
LAYOUT NAME - 090202_xs

PLOT DATE : 6/10/2025 3:01 PM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

WISDOT/CADDS SHEET 49



9

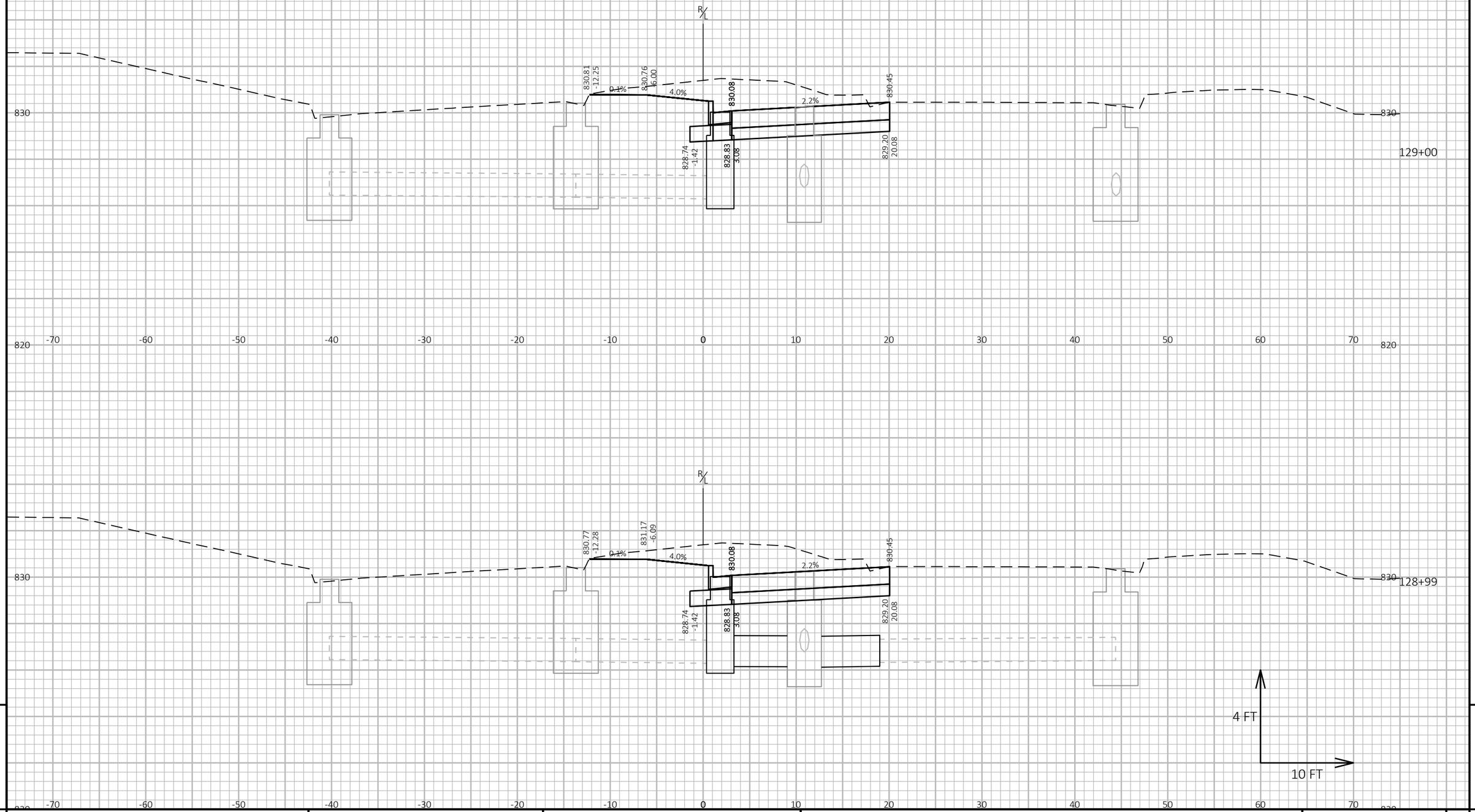
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PROJECT NO: 6130-01-72	HWY: STH 13	COUNTY: SAUK	CROSS SECTIONS	SHEET 94	E

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LAYOUT NAME - 090203_xs

PLOT DATE : 6/10/2025 3:01 PM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

WISDOT/CADDS SHEET 49

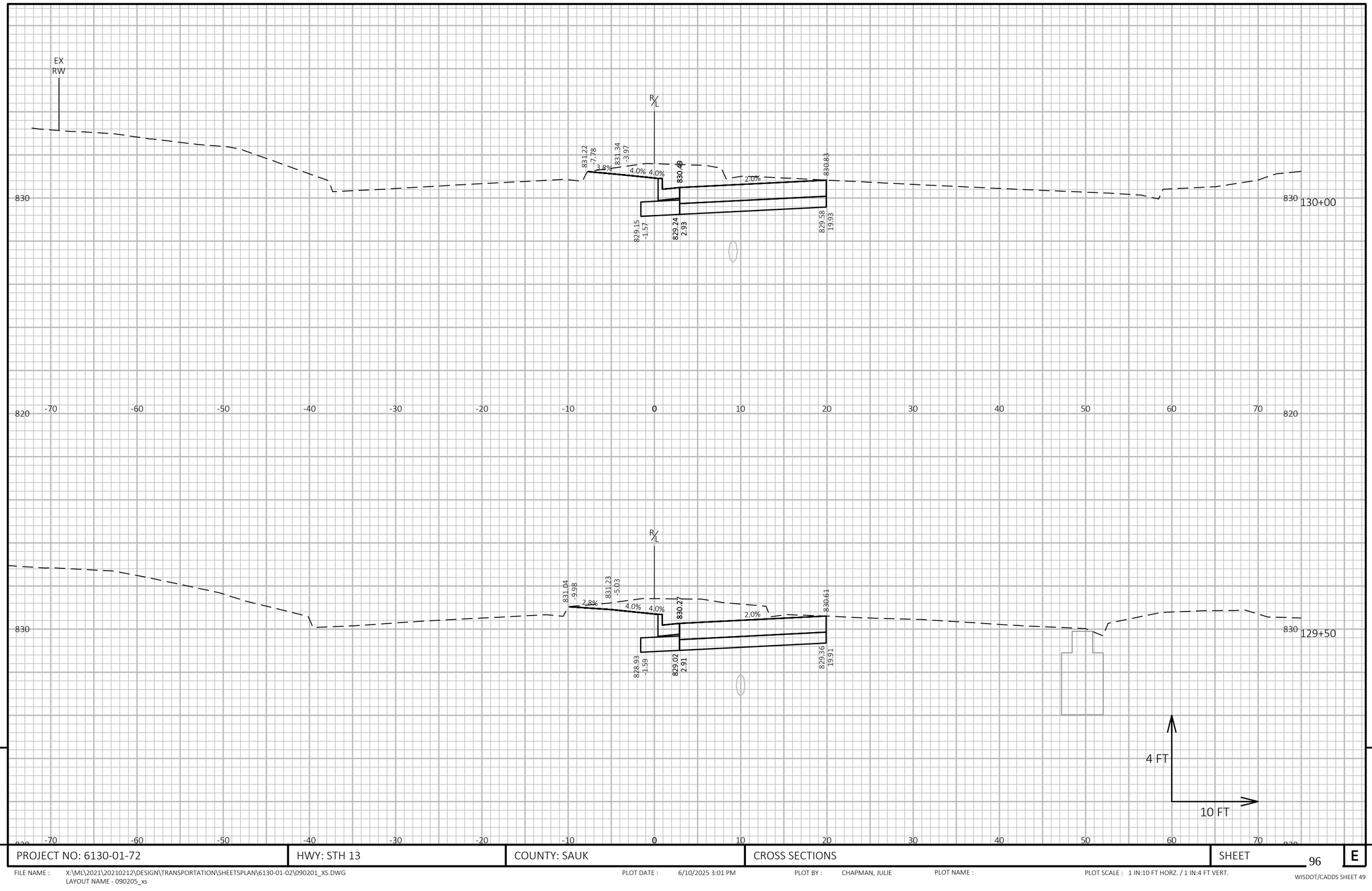


PROJECT NO: 6130-01-72	HWY: STH 13	COUNTY: SAUK	CROSS SECTIONS	SHEET 95	E

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LAYOUT NAME - 090204_xs

PLOT DATE : 6/10/2025 3:01 PM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

WISDOT/CADDS SHEET 49



9

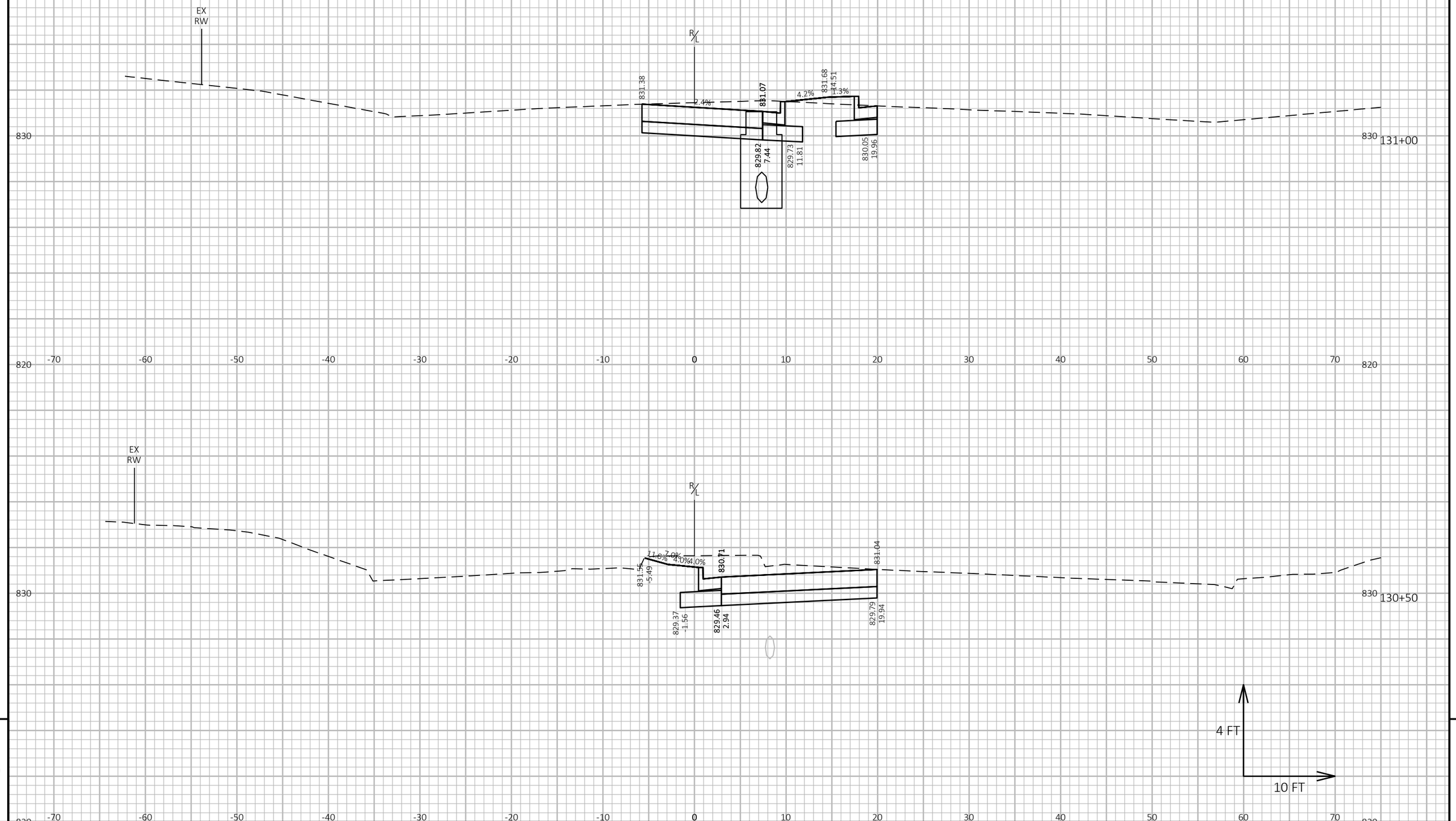
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PROJECT NO: 6130-01-72	HWY: STH 13	COUNTY: SAUK	CROSS SECTIONS	SHEET 96	E

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LAYOUT NAME - 090205_xs

PLOT DATE : 6/10/2025 3:01 PM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

WISDOT/CADDS SHEET 49



9

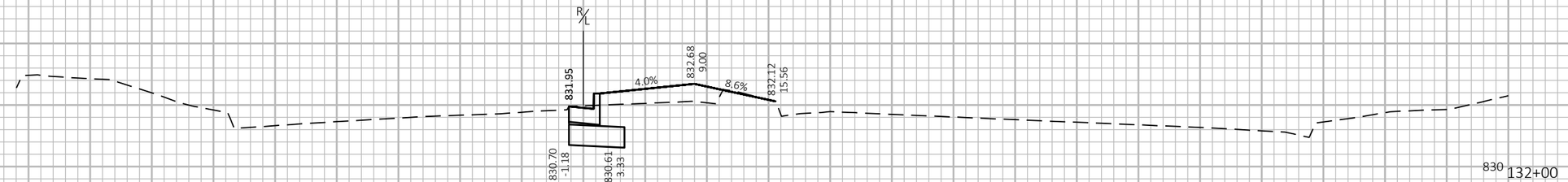
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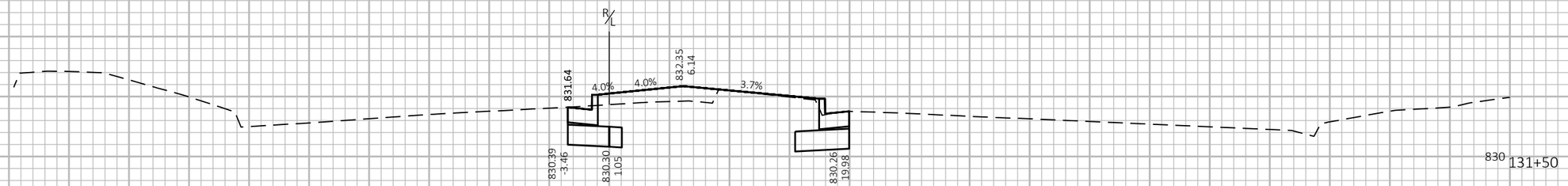
PROJECT NO: 6130-01-72	HWY: STH 13	COUNTY: SAUK	CROSS SECTIONS	SHEET 97	E

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PLOT DATE : 6/10/2025 3:01 PM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

WISDOT/CADDS SHEET 49



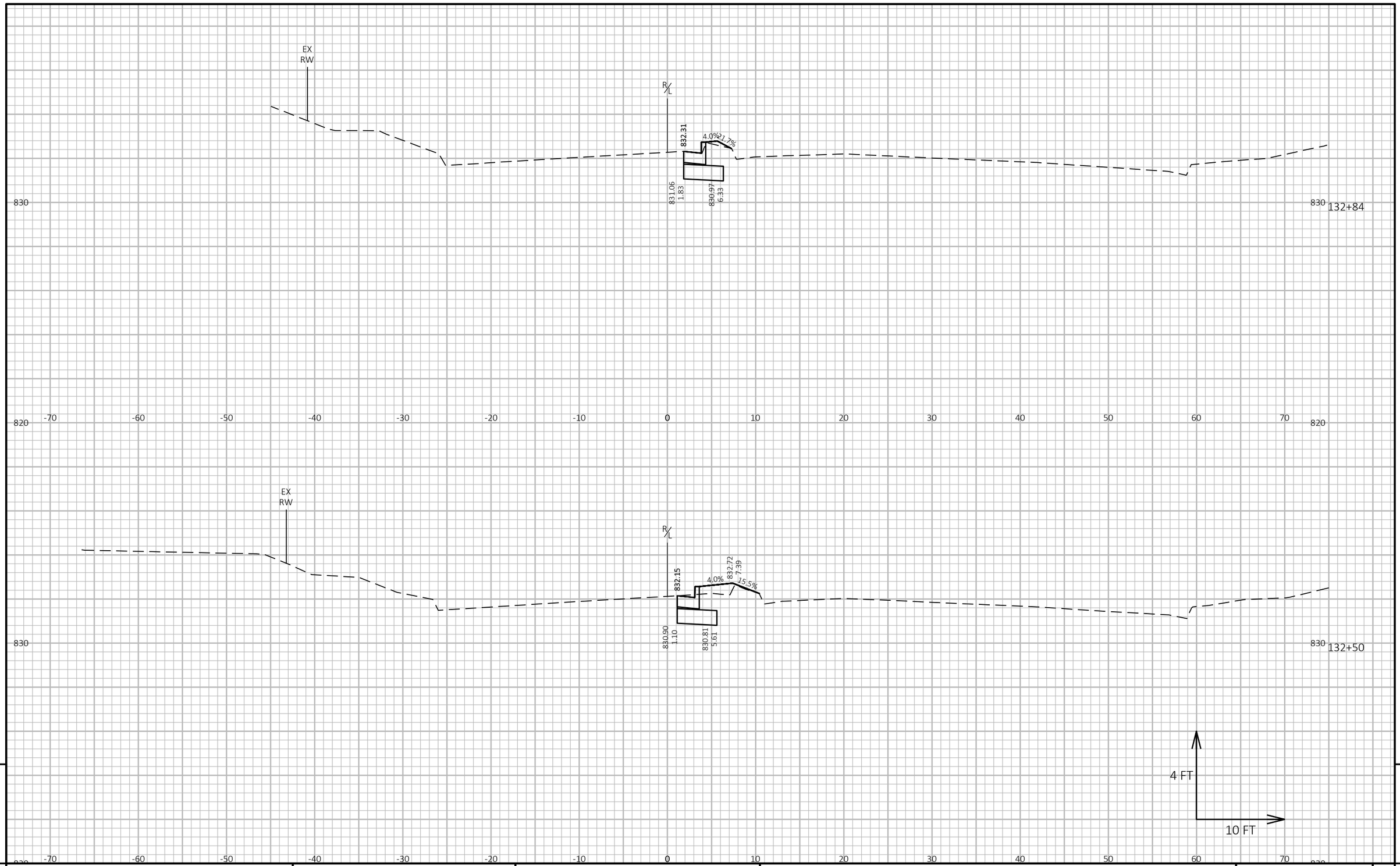


9

9

PROJECT NO: 6130-01-72	HWY: STH 13	COUNTY: SAUK	CROSS SECTIONS	SHEET 98	E

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PLOT BY : CHAPMAN, JULIE
PLOT NAME :
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.
WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 6130-01-72	HWY: STH 13	COUNTY: SAUK	CROSS SECTIONS	SHEET 99	E

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LAYOUT NAME - 090208_xs

PLOT DATE : 6/10/2025 3:01 PM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

WISDOT/CADDS SHEET 49

Wisconsin Department of Transportation

Dedicated people creating transportation solutions
through innovation and exceptional service.

http://www.dot.wisconsin.gov

MAD

PROJECT ID: 6145-01-72, -73, -74, -82, -83, -84

WITH: 6130-01-72

COUNTY: SAUK

07

MAY 2026

ORDER OF SHEETS

Section No.	1	Title
Section No.	2	Typical Sections and Details
Section No.	3	Estimate of Quantities
Section No.	3	Miscellaneous Quantities
Section No.	4	Right of Way Plat
Section No.	5	Plan and Profile
Section No.	6	Standard Detail Drawings
Section No.	7	Sign Plates
Section No.	8	Structure Plans
Section No.	9	Computer Earthwork Data
Section No.	9	Cross Sections

TOTAL SHEETS = 1310



DESIGN DESIGNATION

A.A.D.T.	2025	=	19,300
A.A.D.T.	2045	=	21,900
D.H.V.		=	2,761
D.D.		=	61/39
T.		=	3.1%
DESIGN SPEED		=	40 MPH
ESALS		=	1,700,000

CONVENTIONAL SYMBOLS

PLAN

- CORPORATE LIMITS
- PROPERTY LINE
- LOT LINE
- LIMITED HIGHWAY EASEMENT
- EXISTING RIGHT OF WAY
- PROPOSED OR NEW R/W LINE
- SLOPE INTERCEPT
- REFERENCE LINE (300'FER')
- EXISTING CULVERT
- PROPOSED CULVERT (Box or Pipe)
- COMBUSTIBLE FLUIDS (CAUTION)
- MARSH AREA
- WOODED OR SHRUB AREA

PROFILE

- GRADE LINE
- ORIGINAL GROUND
- MARSH OR ROCK PROFILE (To be noted as such) (ROCK)
- SPECIAL DITCH (LABEL)
- GRADE ELEVATION (95.36)
- CULVERT (Profile View)

UTILITIES

- ELECTRIC (E)
- FIBER OPTIC (FO)
- GAS (G)
- SANITARY SEWER (SAN)
- STORM SEWER (SS)
- TELEPHONE (T)
- WATER (W)
- UTILITY PEDESTAL
- POWER POLE
- TELEPHONE POLE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

WISCONSIN DELLS - BARABOO

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
6145-01-72	WISC 2026004	1
6145-01-73	WISC 2026005	
6145-01-74	WISC 2026006	
6145-01-82	———	
6145-01-83	———	
6145-01-84	———	

CTH A TO PILGRIM DRIVE

STATE PROJECT NUMBER **6145-01-72**

STATE PROJECT NUMBER **6145-01-82**

PILGRIM DRIVE TO E ADAMS ST

STATE PROJECT NUMBER **6145-01-73**

STATE PROJECT NUMBER **6145-01-83**

STH 13 TO CTH A

STATE PROJECT NUMBER **6145-01-74**

STATE PROJECT NUMBER **6145-01-84**

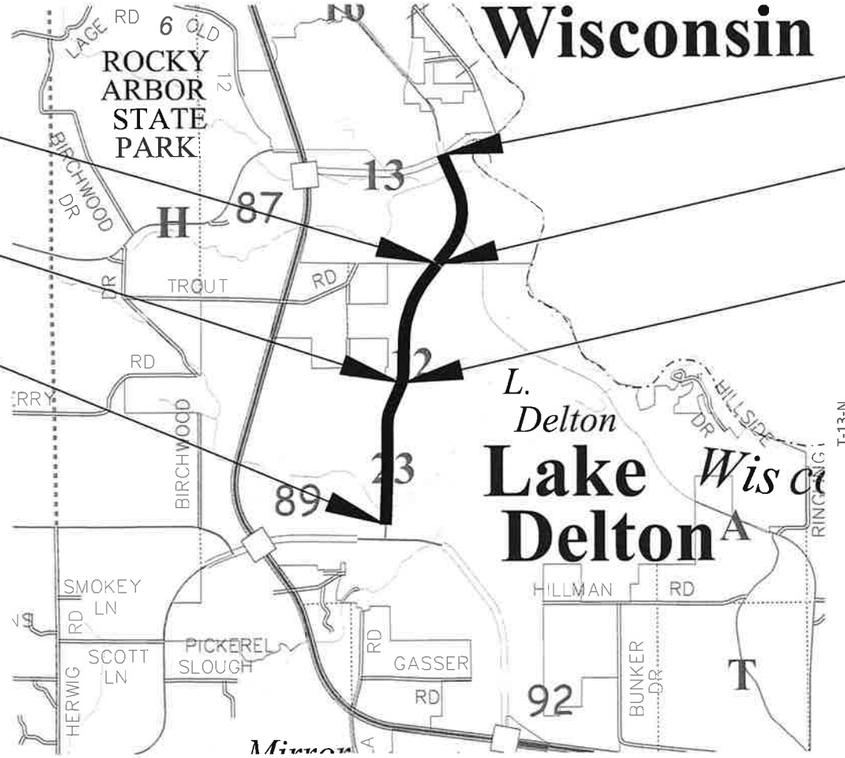
USH 12
SAUK COUNTY

N

BEGIN PROJECT 6145-01-74/84
STA. 700+50.00
Y = 290,176.96
X = 638,907.89

BEGIN PROJECT 6145-01-72/82
STA. 654+75.00
Y = 285,916.97
X = 637,629.11

BEGIN PROJECT 6145-01-73/83
STA. 604+98.75
Y = 281,026.93
X = 637,110.05



LAYOUT

SCALE 0 1 MI

END PROJECT 6145-01-74/84
STA. 742+91.59

END PROJECT 6145-01-72/82
STA. 700+50.00

END PROJECT 6145-01-73/83
STA. 654+75.00

ID 6145-01-72 TOTAL NET LENGTH OF CENTERLINE = 0.866 MI
ID 6145-01-73 TOTAL NET LENGTH OF CENTERLINE = 0.942 MI
ID 6145-01-74 TOTAL NET LENGTH OF CENTERLINE = 0.803 MI

ORIGINAL BASE MAPPING WAS OBSERVED IN 2011/2012 BASED ON THE NAD83 (2007) AND NAVD88 (2007) DATUMS.

UPDATED BASE MAPPING WAS OBSERVED IN 2022 UTILIZING ORIGINAL PROJECT CONTROL. GPS OBSERVATIONS APPLIED HORIZONTAL AND VERTICAL SITE CALIBRATIONS TO THE ORIGINAL BASE MAPPING DATUMS.

HORIZONTAL POSITIONS SHOWN ON THIS PLAN ARE WISCONSIN COORDINATE REFERENCE SYSTEM (WISCRS), SAUK COUNTY NAD83 (2007), IN U.S. SURVEY FEET. POSITIONS SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES ARE THE SAME AS GROUND DISTANCES.

ELEVATIONS ARE REFERENCED TO NAVD 88 (2007). GPS DERIVED ELEVATIONS ARE BASED ON GEOID 09.

ACCEPTED FOR

VILLAGE of LAKE DELTON

6/5/25 (Date)

Village Administrator (Signature & Title of Official)

ACCEPTED FOR

CITY of WISCONSIN DELLS

06/10/2025 (Date)

Director of Public Works (Signature & Title of Official)

ORIGINAL PLANS PREPARED BY

GRAEF
275 W. Wisconsin Avenue, Suite 300
Milwaukee, WI 53203

WISCONSIN
JULIE A. CHAPMAN
45055
GREENFIELD, WI
PROFESSIONAL ENGINEER

6/5/2025

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY

Surveyor	GRAEF
Designer	GRAEF
Project Manager	DEREK POTTER, P.E.
Regional Examiner	SW REGION
Regional Supervisor	CHAD SCHROEDER, P.E.

APPROVED FOR THE DEPARTMENT

DATE: 6/10/25 (Signature)

E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\SINGLE LET_ALL IDS\010101_TI.DWG

PLOT DATE : 6/5/2025 9:47 AM

PLOT BY : CHAPMAN, JULIE

PLOT NAME :

GENERAL NOTES

NO TREES OR SHRUBS ARE TO BE REMOVED UNLESS INDICATED FOR REMOVAL BY THE ENGINEER.

THE EXACT LOCATION OF PRIVATE ENTRANCES IS TO BE DETERMINED IN THE FIELD BY THE ENGINEER.

ALL RADIUS DIMENSIONS FOR CURB & GUTTER ARE GIVEN TO THE FLANGE. ALL ELEVATIONS ALONG CURB & GUTTER ARE GIVEN TO THE FLANGE. OFFSETS NOTED ARE TO THE FLANGE OR EDGE OF LANE IF NO CURB, UNLESS OTHERWISE NOTED.

THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS AS SHOWN ON THE PLANS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT AREA THAT ARE NOT SHOWN.

THE LOCATIONS OF LONGITUDINAL JOINTS IN HMA PAVEMENT SHALL BE APPROVED BY THE ENGINEER.

ALL EROSION CONTROL MEASURES SHALL BE ADJUSTED TO MEET FIELD CONDITIONS AT THE TIME OF CONSTRUCTION AND SHALL BE INSTALLED PRIOR TO ANY GRADING OR DISTURBANCE OF EXISTING SURFACE MATERIAL ON THE SITE.

THE EROSION CONTROL ITEMS SHOWN ON THE PLANS ARE AT SUGGESTED LOCATIONS. THE ENGINEER SHALL DETERMINE THE EXACT LOCATIONS. ALL EROSION CONTROL MEASURES SHALL BE MAINTAINED UNTIL SUCH TIME AS THE ENGINEER DETERMINES THE MEASURE IS NO LONGER NECESSARY.

LANDSCAPE ALL TOPSOILED AREAS AS THE PLAN SHOWS OR AS DIRECTED BY THE ENGINEER WITHIN 5 CALENDAR DAYS AFTER THE PLACEMENT OF TOPSOIL. TEMPORARY SEEDING AND EROSION MATTING QUANTITIES ARE INCLUDED FOR 25% OF THE SODDED AREA AS TEMPORARY EROSION CONTROL MEASURES TO BE USED AT THE DISCRETION OF THE ENGINEER.

ASPHALT AND CONCRETE DRIVEWAYS SHALL BE SAWCUT AT THE MATCH LINE AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER.

CONCRETE JOINTS SHALL MATCH ABUTTING PAVEMENT AND CURB AND GUTTER JOINTS UNLESS OTHERWISE DESIGNATED BY THE ENGINEER.

QUANTITY FOR EXCAVATION COMMON INCLUDES REMOVAL OF EXISTING ASPHALT DRIVEWAYS AND BASE COURSE TO THE PROPOSED SUBGRADE.

HMA PAVEMENT WHERE INDICATED ON THE PLANS SHALL CONSIST OF LAYERS AS FOLLOWS, UNLESS OTHERWISE NOTED ON THE PLANS OR DIRECTED BY THE ENGINEER:

4" DEPTH	1.75" OF HMA PAVEMENT 4 MT 58-28 S AS THE UPPER LAYER
	2.25" OF HMA PAVEMENT 3 MT 58-28 S AS THE LOWER LAYER

APPLY TACK COAT AT RATE OF 0.05 GAL/SY BETWEEN LAYERS OF HMA PAVEMENT.

HMA PAVEMENT CALCULATIONS ARE BASED ON 112 LB/SY/IN.

THE CONTRACTOR'S PAVING OPERATIONS SHALL BE CONSISTENT WITH THE PLAN TYPICAL SECTIONS AND CONSTRUCTED TO PREVENT HMA LONGITUDINAL JOINTS FROM BEING LOCATED WITHIN A DRIVING, TURNING, PASSING OR PARKING LANE.

STANDARD ABBREVIATIONS

AEW	APRON END WALL
AGG	AGGREGATE
BAD	BASE AGGREGATE DENSE
BM	BENCH MARK
C&G	CURB AND GUTTER
C/L	CENTER OR CONSTRUCTION LINE
CONC	CONCRETE
CP	CULVERT PIPE
CPCM	CULVERT PIPE CORRUGATED METAL
CPRC	CULVERT PIPE REINFORCED CONCRETE
CPRCHE	CULVERT PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL
CSCP	CORRUGATED STEEL CULVERT PIPE
CSPA	CORRUGATED STEEL PIPE ARCH
CSD	CONCRETE SURFACE DRAIN
CY	CUBIC-YARD
D	DEGREE OF CURVE
Δ	DELTA
DISCH	DISCHARGE
FE	FIELD ENTRANCE
HERCP	HORIZONTAL ELLIPTICAL REINFORCED CONCRETE PIPE
HMA	HOT MIX ASPHALT
INV	INVERT
L	LENGTH OF CURVE
LHF	LEFT HAND FORWARD
LT	LEFT
MIN	MINIMUM
M/L	MATCHLINE
NB	NORTHBOUND
NC	NORMAL CROWN
NTS	NOT TO SCALE
PAVT	PAVEMENT
PB	PULL BOX
PC	POINT-OF-CURVE
PCC	POINT OF COMPOUND CURVE
PE	PRIVATE ENTRANCE
PI	POINT OF INTERSECTION
PLE	PERMANENT LIMITED EASEMENT
PT	POINT OF TANGENT
PVC	POINT OF VERTICAL CURVE
PVI	POINT OF VERTICAL INTERSECTION
PVT	POINT OF VERTICAL TANGENT
R	RADIUS OF CURVE
R/L	REFERENCE LINE
R/W	RIGHT OF WAY
RAD	RADIUS
RC	REVERSE CROWN
RCAEW	APRON ENDWALL FOR CULVERT PIPE REINFORCED CONCRETE
REQD	REQUIRED
RHF	RIGHT HAND FORWARD
RO	RUN OFF LENGTH
RT	RIGHT
SALV	SALVAGED
SB	SIGNAL BASE
SDD	STANDARD DETAIL DRAWING
SE	SUPER ELEVATION
SF	SQUARE FOOT
SSPRCHE	STORM SEWER PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL
SSPRC	STORM SEWER PIPE REINFORCED CONCRETE PIPE
STA	STATION
SY	SQUARE YARD
T	TANGENT LENGTH
TC	TOP OF CURB
TLE	TEMPORARY LIMITED EASEMENT

WISDOT

WISDOT SW PROJECT MANAGER
MR. DEREK POTTER
2102 WRIGHT STREET
MADISON, WI 53704
(608) 246-3861
DEREK.POTTER@DOT.WI.GOV

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MILWAUKEE, WI 53203
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JULIE.CHAPMAN@GRAEF-USA.COM

AGENCIES

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CHRIS TOLLAKSEN
300 LACROSSE ST
WISCONSIN DELLS, WI 53965
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CTOLLAKSEN@DELLSCITYGOV.COM

VILLAGE OF LAKE DELTON
TIM MCCUMBER
50 WISCONSIN DELLS PARKWAY SOUTH
P.O. BOX 87
LAKE DELTON, WI 53940-0087
(608) 254-2558
TMCCUMBER@LAKEDELTONWI.GOV

WISCONSIN DNR

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101 S. WEBSTER STREET
BOX 7921
MADISON, WI 53707
(608) 235-2955
ANDREW.BARTA@WISCONSIN.GOV

OTHER CONTACTS

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4822 MADISON YARDS WAY
MADISON, WI 53705
(608) 789-9065
COLLIN.WEBB@DOT.WI.GOV

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520 COMMERCE AVENUE
BARABOO, WI 53913
(608) 444-9148
JOSHUASTRUTZ@ALLIANTENERGY.COM

ALLIANT ENERGY - GAS/PETROLEUM
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520 COMMERCE AVENUE
BARABOO, WI 53913
(608) 444-9148
JOSHUASTRUTZ@ALLIANTENERGY.COM

CITY OF WISCONSIN DELLS - ELECTRIC
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300 LACROSSE ST
WISCONSIN DELLS, WI 53965
(608) 253-2542
CTOLLAKSEN@DELLSCITYGOV.COM

CITY OF WISCONSIN DELLS - SEWER
CHRIS TOLLAKSEN
300 LACROSSE ST
WISCONSIN DELLS, WI 53965
(608) 253-2542
CTOLLAKSEN@DELLSCITYGOV.COM

CITY OF WISCONSIN DELLS - WATER
CHRIS TOLLAKSEN
300 LACROSSE ST
WISCONSIN DELLS, WI 53965
(608) 253-2542
CTOLLAKSEN@DELLSCITYGOV.COM

EVERSTREAM - FIBER OPTIC
SHAD GARCIA
324 E. WISCONSIN AVENUE, SUITE 730
MILWAUKEE, WI 53203
(414) 522-6685
SGARCIA@EVERSTREAM.NET
WI-RELOCATIONS@EVERSTREAM.NET

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521 N 4TH STREET
WAUSAU, WI 54403
(715) 847-1240
CHRISTOPHER.POLLACK@FTR.COM

SPECTRUM - COMMUNICATION LINE
GLEN JAKUSZ
2701 DANIELS STREET
MADISION, WI 53718
(608) 288-6841
GLEN.JAKUSZ@CHARTER.COM

UNITE PRIVATE NETWORKS
JOE KILZER
7200 NW 86TH STREET, SUITE M
KANSAS CITY, MO 64153
(866) 813-3608
UPNGIS@UPNFIBER.COM

VILLAGE OF LAKE DELTON - WATER
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WATER@LAKEDELTON.ORG

VILLAGE OF LAKE DELTON - SEWER
JASON PUTTKAMER
P.O. BOX 87
LAKE DELTON, WI 53940-0087
(608) 477-3286
JPUTTKAMER@LAKEDELTON.ORG

ORDER OF SECTION 2 SHEETS

GENERAL NOTES
PROJECT OVERVIEW
TYPICAL SECTIONS
CONSTRUCTION DETAILS
REMOVAL PLAN
PLAN DETAILS
CURB RAMP DETAILS
JOINTING DETAILS
EROSION CONTROL PLAN
STORM SEWER PLAN
UTILITY PLAN
PERMANENT SIGNING
LIGHTING REMOVAL
LIGHTING PLAN
TRAFFIC SIGNAL PLAN
INTERCONNECT PLAN
PAVEMENT MARKING
TRAFFIC CONTROL
DETOURS
ALIGNMENT PLAN

DIGGERS HOTLINE
Dial 811 or (800) 242-8511
www.DiggersHotline.com

2

N

TOWN OF DELTON

MUNICIPAL BOUNDARY (TYP.)

END PROJECT 6145-01-73
STA 654+75.00

PILGRIM DR

RIDGEWOOD ST

R-56-39

VILLAGE OF
LAKE DELTON

W. LAKE AVE

E. LAKE AVE

R-56-38

W. HIAWATHA DR

E. HIAWATHA DR

LANDSCAPING WALL-04

LAKE DELTON

IH 90

USH 12

LAKE DELTON CEMETERY

LANDSCAPING WALL-03

LAKE BLASS

NEWSOM LN

LANDSCAPING WALL-02

LANDSCAPING WALL-01

TOWN OF DELTON

VILLAGE OF
LAKE DELTON

SPRING BROOK
CREEK

C-56-3084

E. DURKEE ST

E. ADAMS ST

STH 23 (W. MUNROE AVE)

USH 12

BEGIN PROJECT 6145-01-73
STA 604+98.75

WHITLOCK ST

TOWN OF DELTON

680+00 675+00 670+00 665+00 660+00 655+00 650+00 645+00 640+00 635+00 630+00 625+00 620+00 615+00 610+00 605+00

PROJECT NO: 6145-01-73/83	HWY: USH 12	COUNTY: SAUK	PROJECT OVERVIEW	SHEET 3	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-73\020201_PO.DWG
LAYOUT NAME - 020201_po

PLOT DATE : 6/10/2025 3:19 PM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:1000 FT

2

2

N

STH 13

CITY OF
WISCONSIN DELLS

SWEETBRIAR DR

CTH A

USH 12

END PROJECT 6145-01-72
STA 700+50.00

TOWN OF DELTON

R-56-47

BONANZA DR

VILLAGE OF
LAKE DELTON

R-56-46

R-56-44

R-56-0045

COLUMBIA COUNTY
SAUK COUNTY

R-56-43

OLYMPUS DR

MUNICIPAL BOUNDARY (TYP.)

R-56-41

FUTURE ROAD TO BE CONSTRUCTED
BY VILLAGE OF LAKE DELTON

LANDSCAPING WALL-05

PILGRIM DR

LAKE DELTON

BEGIN PROJECT 6145-01-72
STA 654+75.00

W. LAKE AVE

E. LAKE AVE

PROJECT NO: 6145-01-72/82	HWY: USH 12	COUNTY: SAUK	PROJECT OVERVIEW	SHEET 4	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-72\020201_PO.DWG
LAYOUT NAME - 020201_po

PLOT DATE : 6/10/2025 3:19 PM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:1000 FT

WISDOT/CADDS SHEET 42

2

END PROJECT 6145-01-74
STA 742+91.59

745+00

740+00

S-56-0031

STH 13

WISCONSIN RIVER

HULBURT CREEK

735+00

C-56-008

ENVIRONMENTALLY SENSITIVE
AREA, STA. 731+60 TO 735+50, LT

730+00

COLUMBIA COUNTY
SAUK COUNTY

USH 12 (WISCONSIN DELLS PARKWAY)

TROUT ROAD

725+00

DELLSHIRE DRIVE

720+00

CITY OF WISCONSIN DELLS

CITY OF WISCONSIN DELLS

715+00

SWEETBRIAR DR

72+00

74+00

CTH A

710+00

BEGIN CONSTRUCTION 6145-01-74
73+97.06

BEGIN PROJECT 6145-01-74
STA 700+50.00

705+00

ENVIRONMENTALLY SENSITIVE
AREA, STA. 702+10 TO 702+60, RT

700+00

R-56-48

TOWN OF DELTON

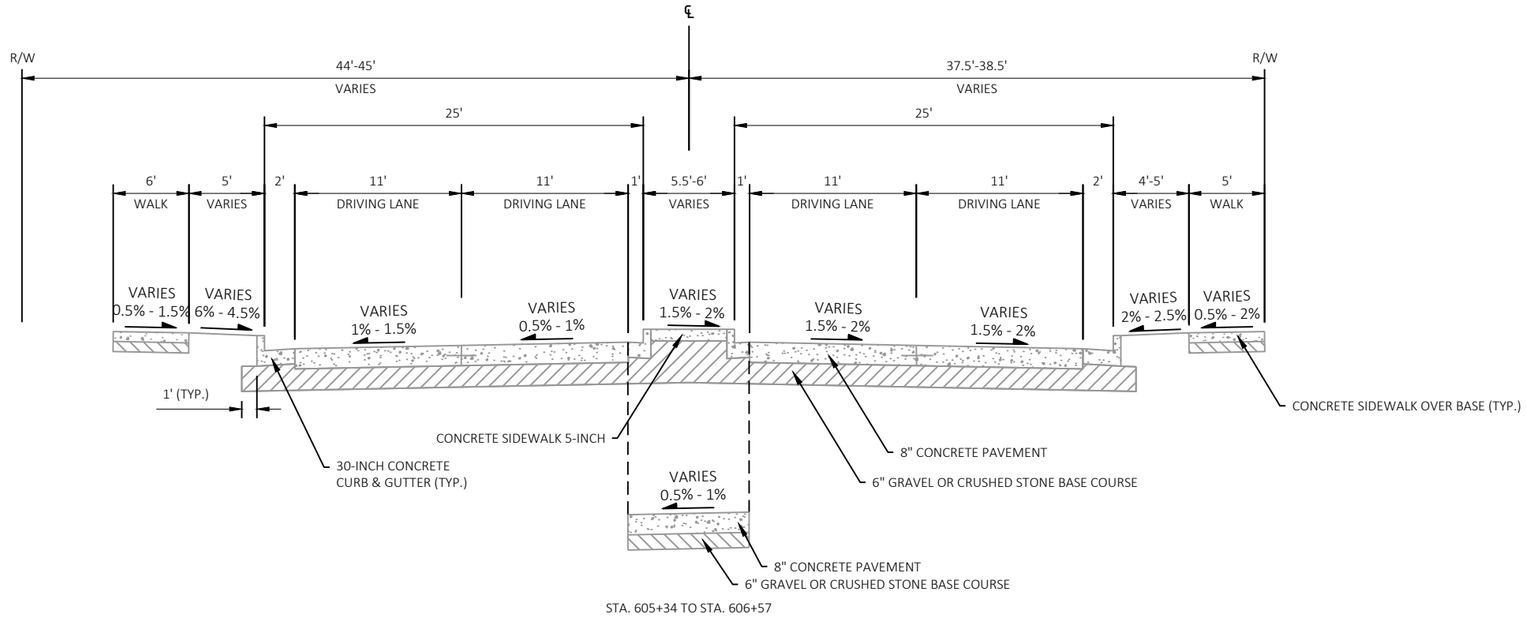
VILLAGE OF LAKE DELTON

695+00

N

PROJECT NO: 6145-01-74/84	HWY: USH 12	COUNTY: SAUK	PROJECT OVERVIEW	SHEET 5	E

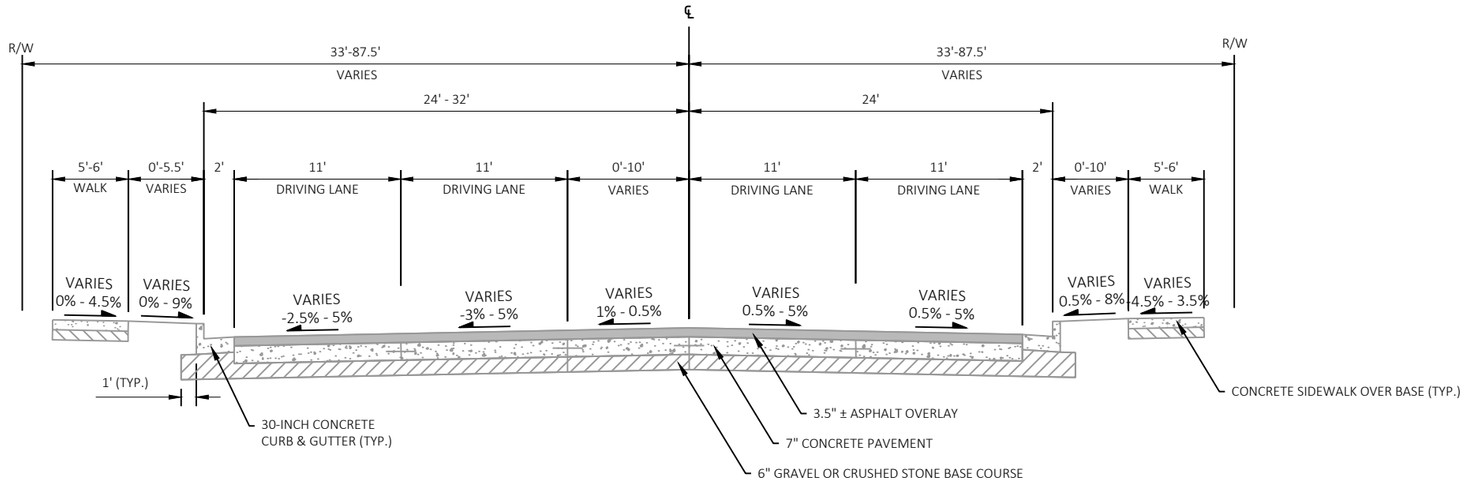
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LAYOUT NAME - 020201_po
PLOT DATE : 1/29/2026 10:43 AM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:500 FT
WISDOT/CADDS SHEET 42



STA. 605+34 TO STA. 606+57

EXISTING TYPICAL SECTION

STA. 604+99 TO STA. 606+57

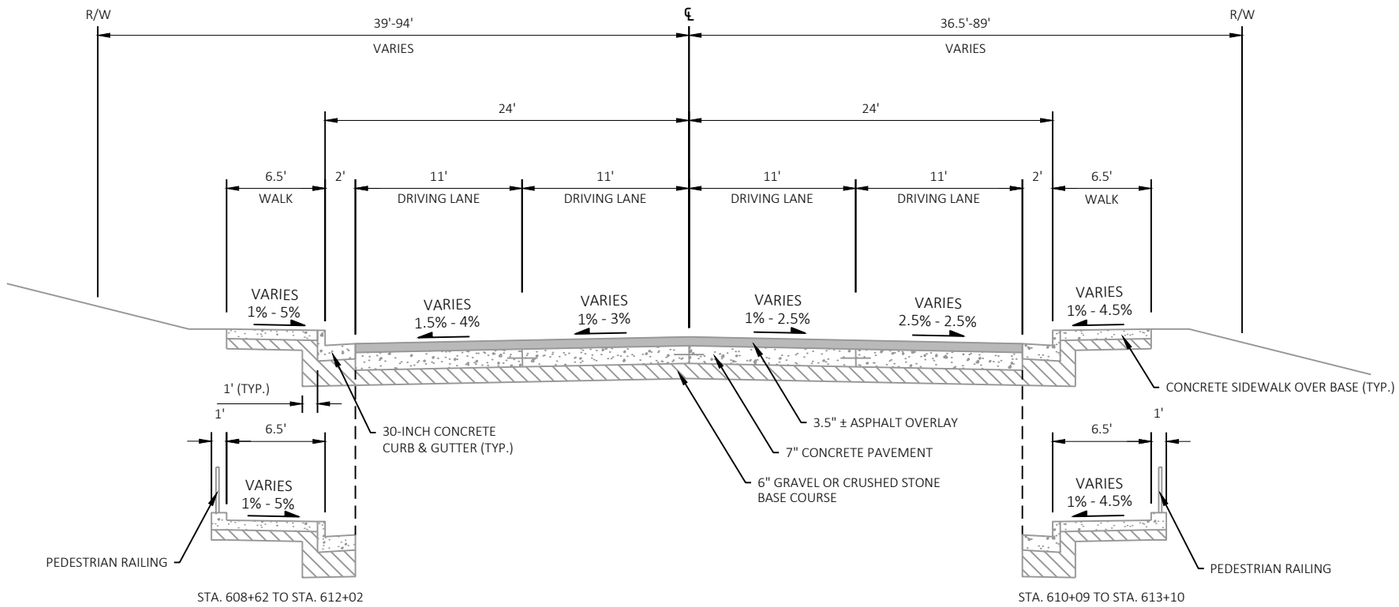


EXISTING TYPICAL SECTION

STA. 606+57 TO STA. 608+47
STA. 613+17 TO STA. 654+75

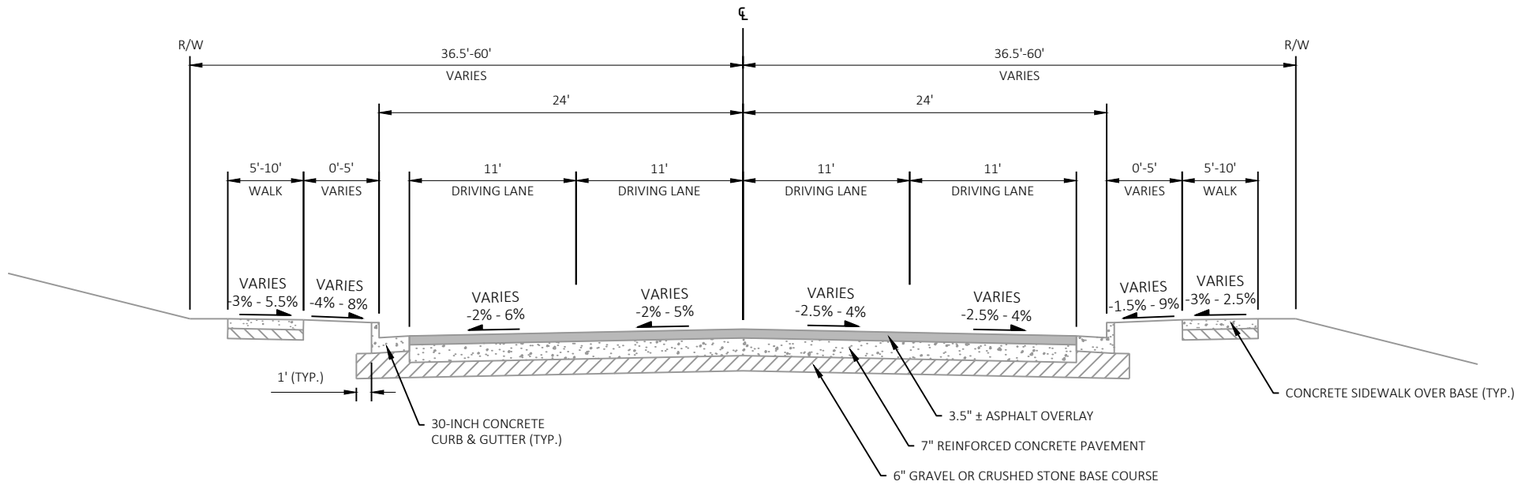
PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	EXISTING TYPICAL SECTIONS	SHEET 6	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\SINGLE LET_ALL IDS\020301_TS.DWG
LAYOUT NAME - 020301_ts
PLOT DATE : 8/18/2025 3:24 PM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:10 FT



EXISTING TYPICAL SECTION

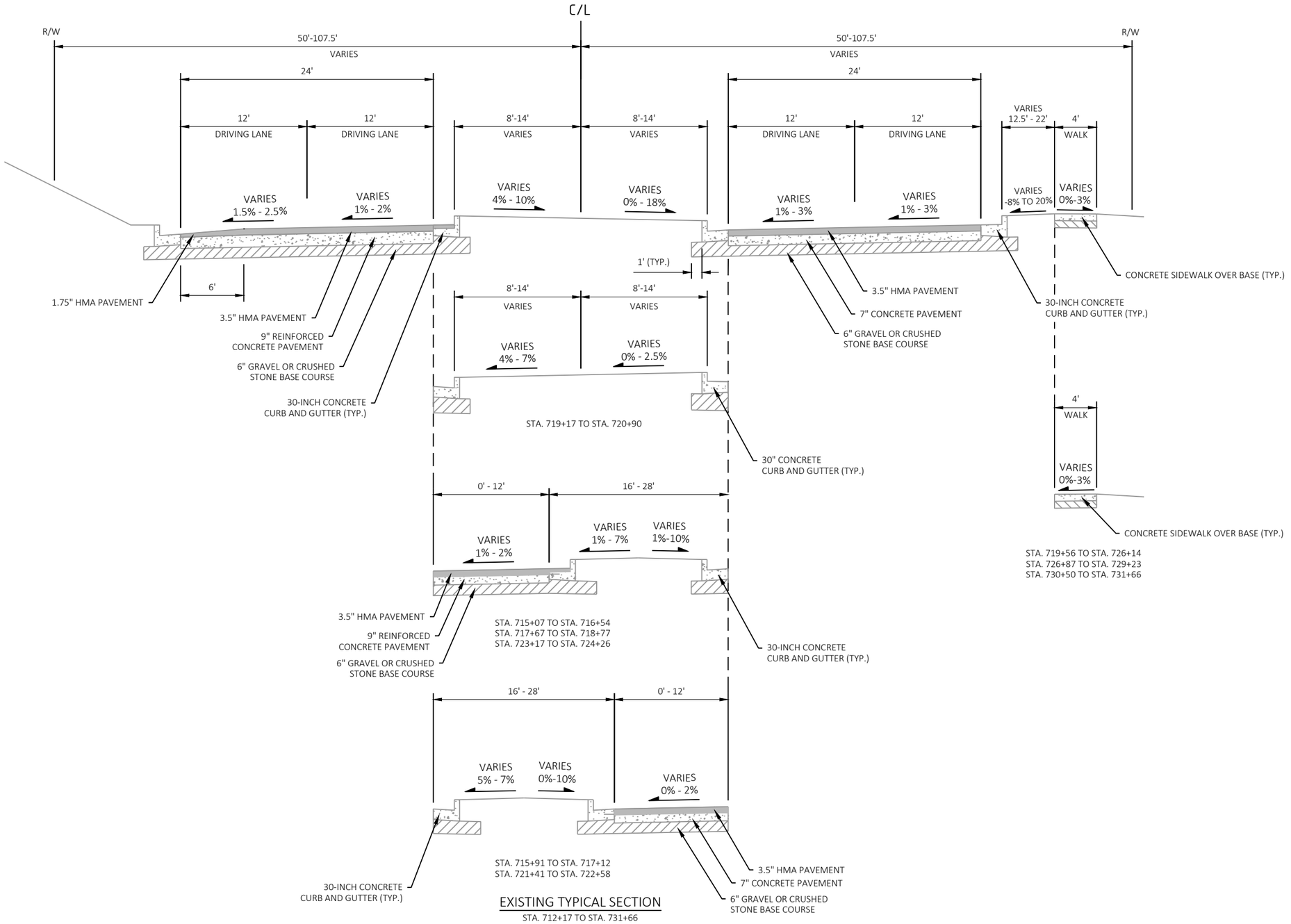
STA. 608+47 TO STA. 613+17



EXISTING TYPICAL SECTION

STA. 654+75 TO STA. 712+17

PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	EXISTING TYPICAL SECTIONS	SHEET 7	E



EXISTING TYPICAL SECTION

STA. 712+17 TO STA. 731+66

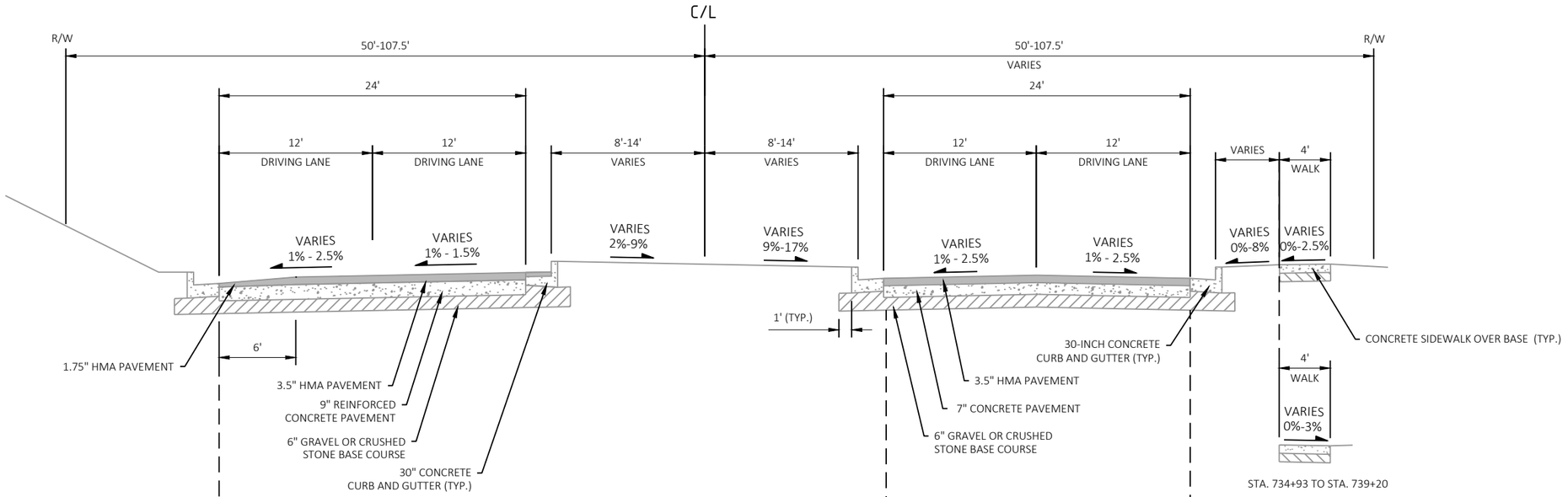
PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	EXISTING TYPICAL SECTIONS	SHEET 8	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\SINGLE LET_ALL IDS\020301_TS.DWG
LAYOUT NAME - 020303_ts

PLOT DATE : 6/17/2025 1:04 PM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 42

2



EXISTING TYPICAL SECTION

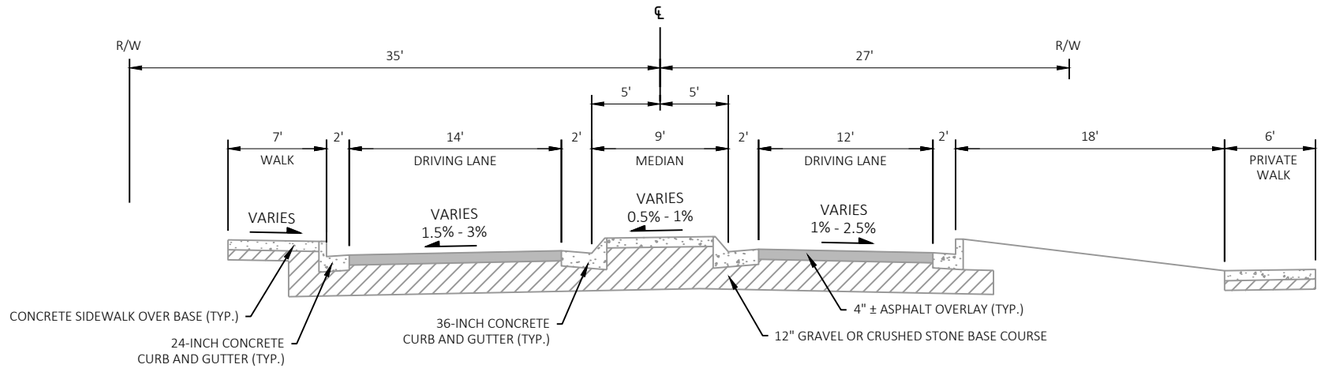
STA. 731+66 TO STA. 742+92

PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	EXISTING TYPICAL SECTIONS	SHEET 9	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\SINGLE LET_ALL IDS\020301_TS.DWG
LAYOUT NAME - 020304_ts

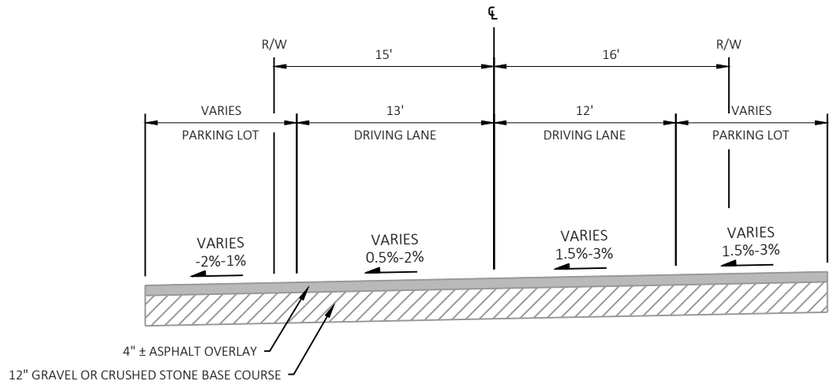
PLOT DATE : 6/17/2025 1:04 PM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:10 FT

2



EXISTING TYPICAL SECTION

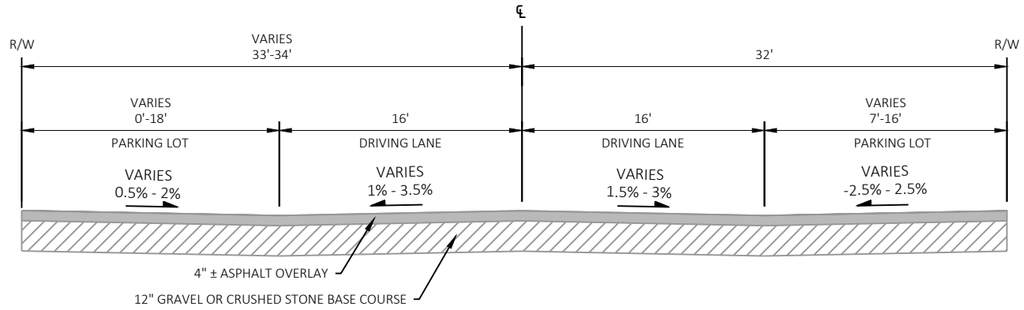
E. HIAWATHA DRIVE
STA. 18+65 TO STA. 20+00



EXISTING TYPICAL SECTION

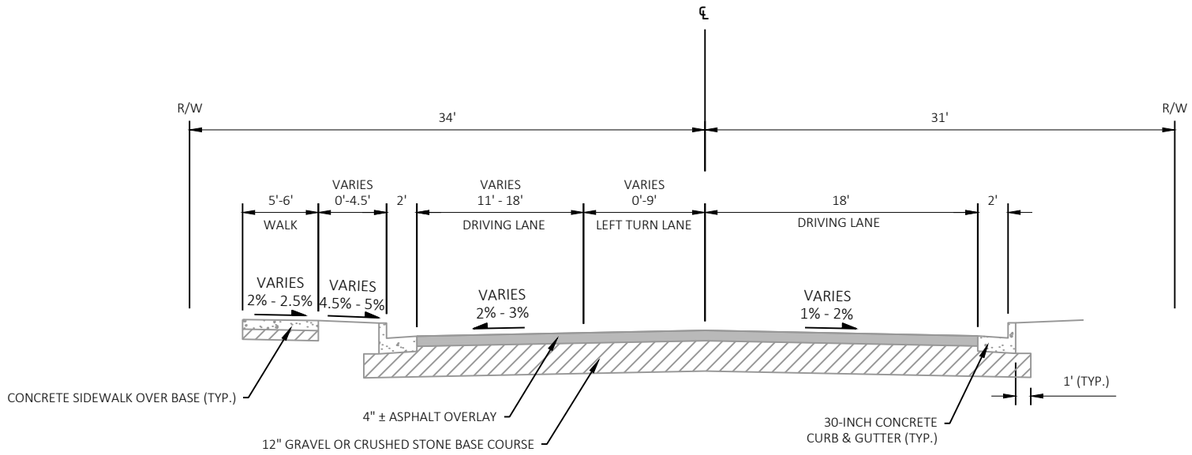
WINNEBAGO LANE
STA. 35+25 TO STA. 36+00

2



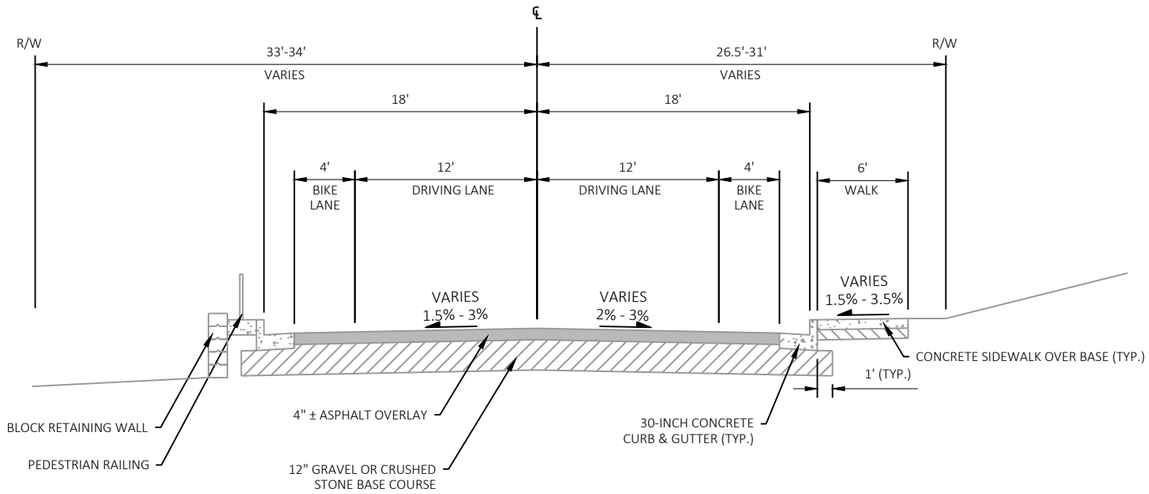
EXISTING TYPICAL SECTION

W. LAKE AVENUE
STA. 40+30 TO STA. 42+50



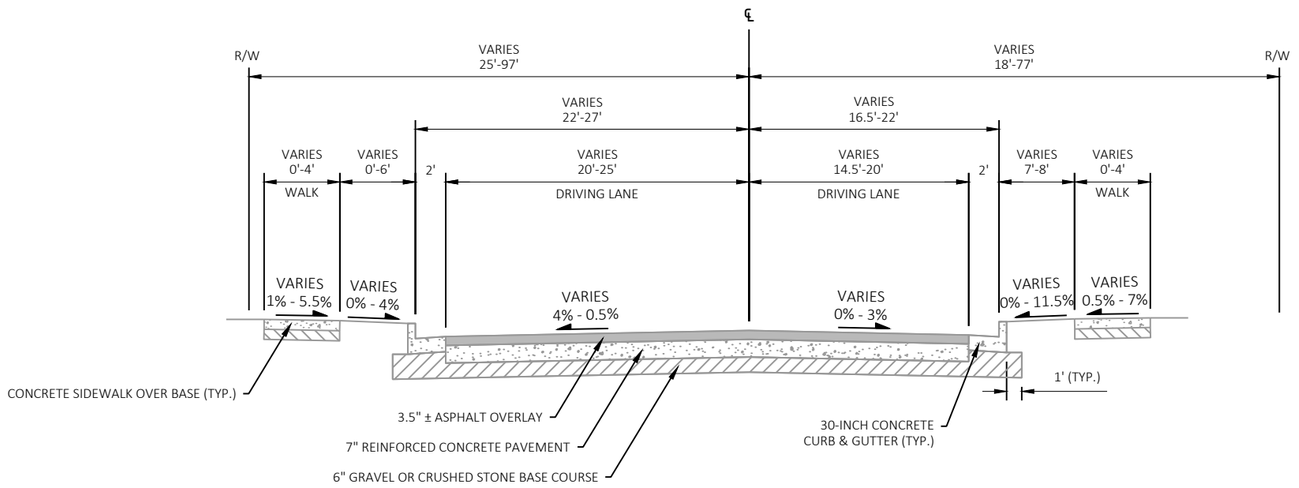
EXISTING TYPICAL SECTION

E. LAKE AVENUE
STA. 43+10 TO STA. 44+73



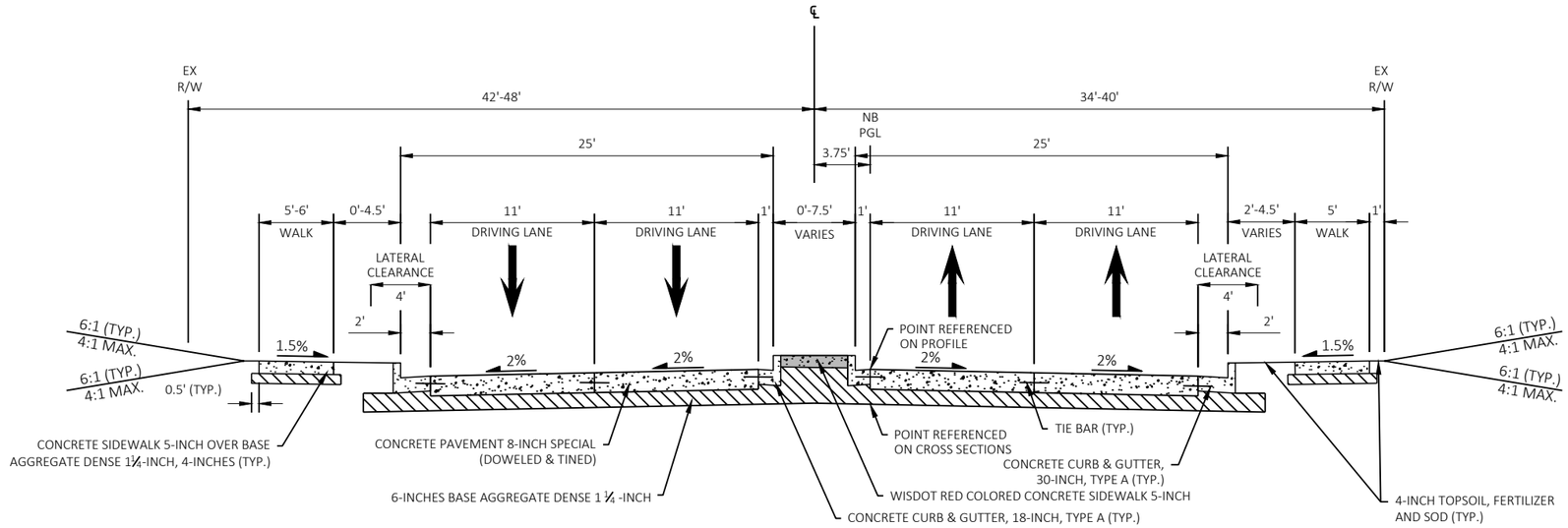
EXISTING TYPICAL SECTION

PILGRIM DRIVE
STA. 55+36 TO STA. 56+81



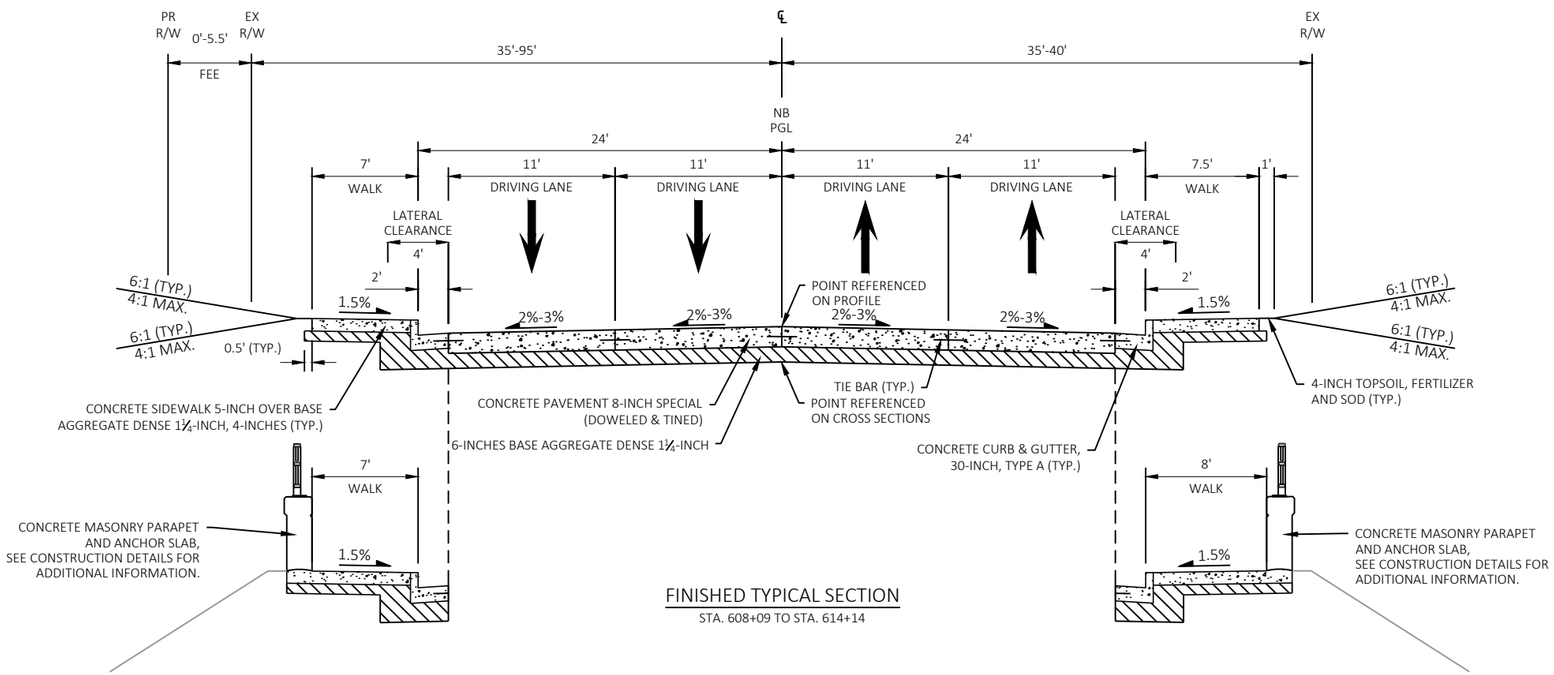
EXISTING TYPICAL SECTION

CTH A
STA. 70+00 TO STA. 73+97



FINISHED TYPICAL SECTION

STA. 604+99 TO STA. 608+09



FINISHED TYPICAL SECTION

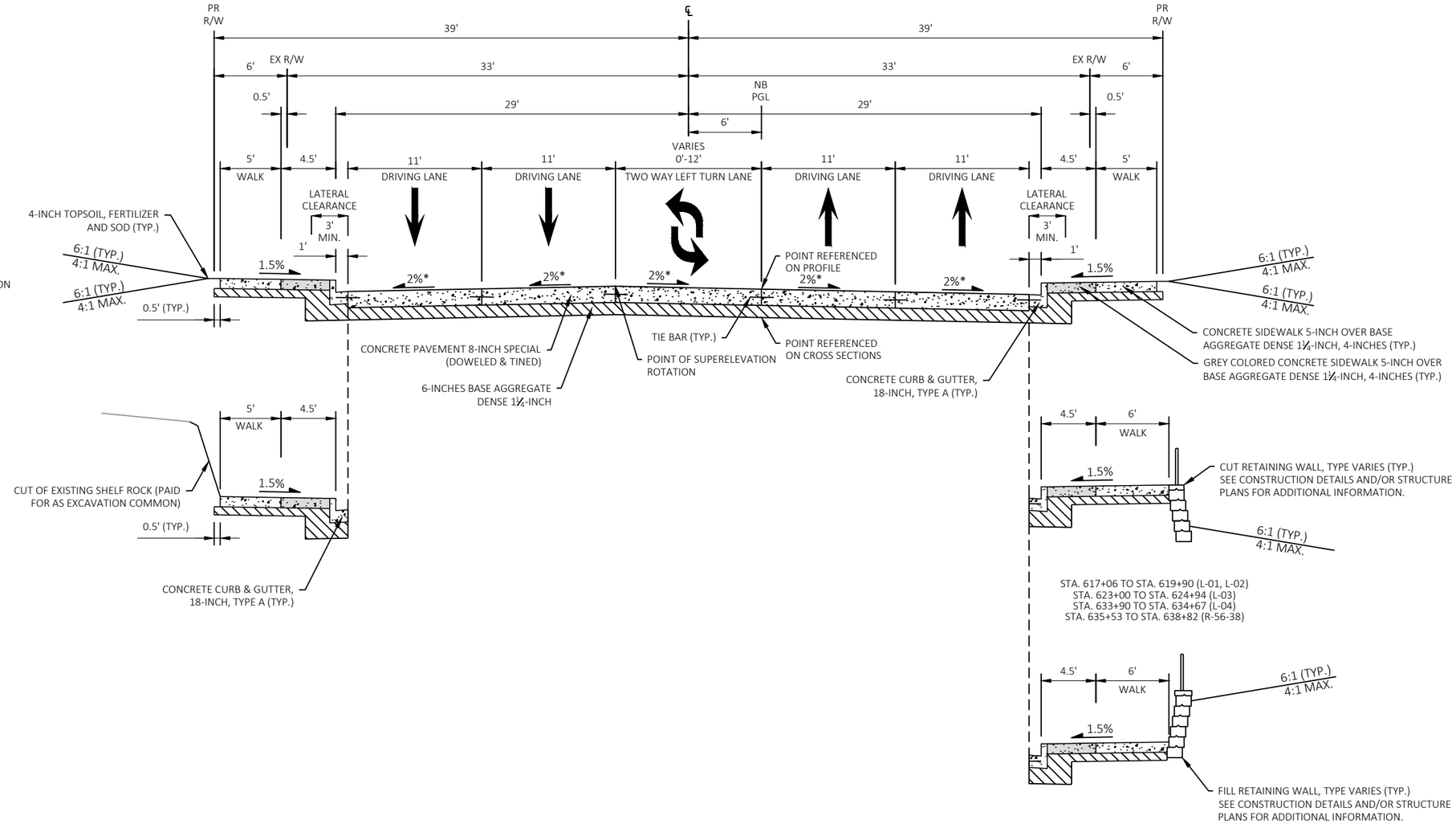
STA. 608+09 TO STA. 614+14

STA. 608+62 TO STA. 612+24

STA. 610+09 TO STA. 612+71

PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	FINISHED TYPICAL SECTIONS	SHEET 13	E

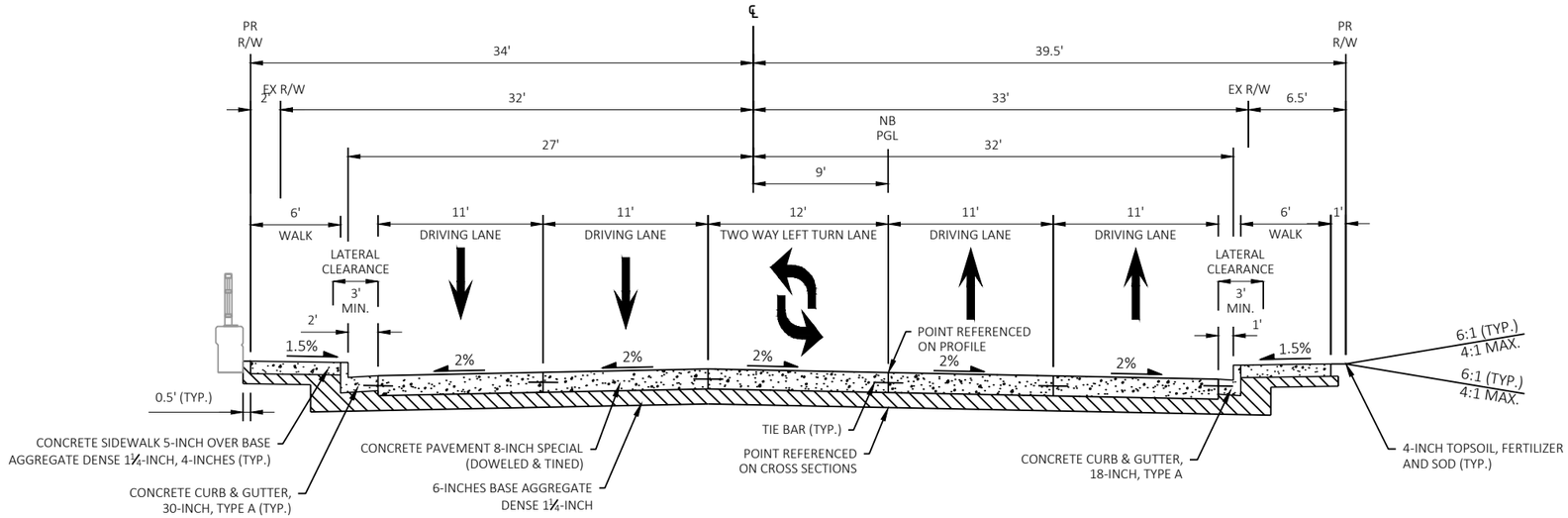
2



FINISHED TYPICAL SECTION

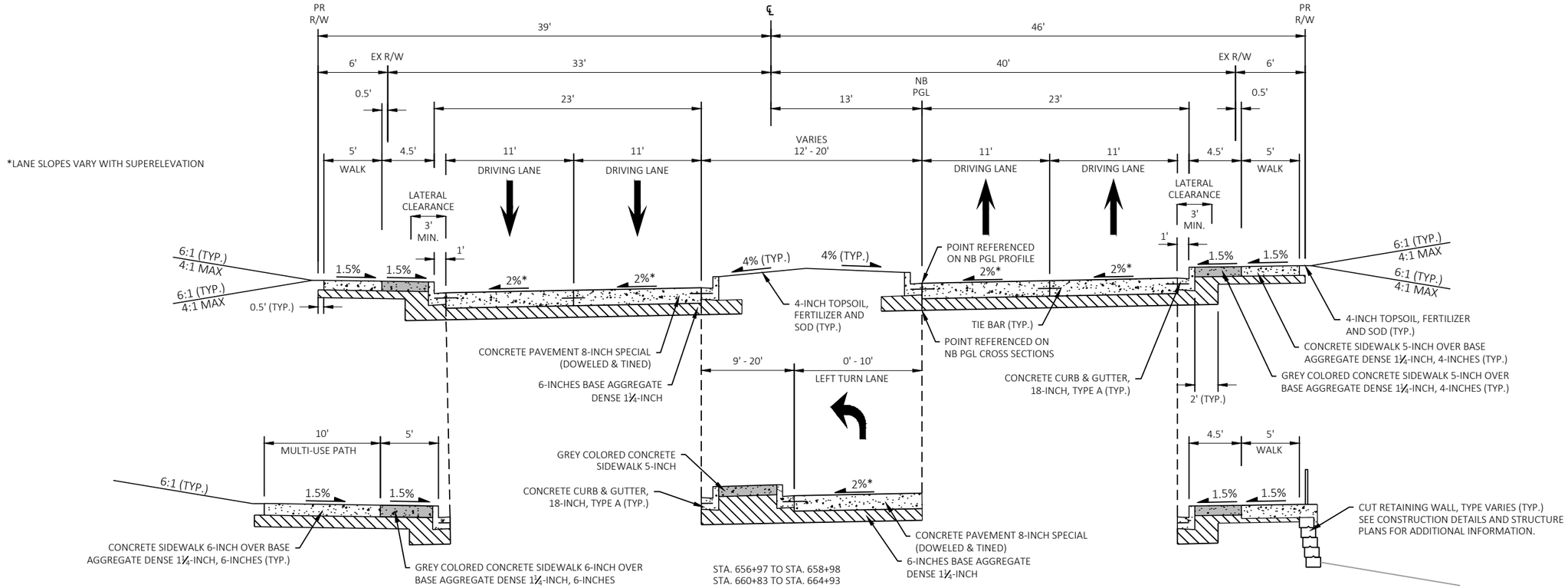
STA. 614+14 TO STA. 625+88
STA. 632+68 TO STA. 656+41

PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	FINISHED TYPICAL SECTIONS	SHEET 14	E



FINISHED TYPICAL SECTION

STA. 625+88 TO STA. 632+68



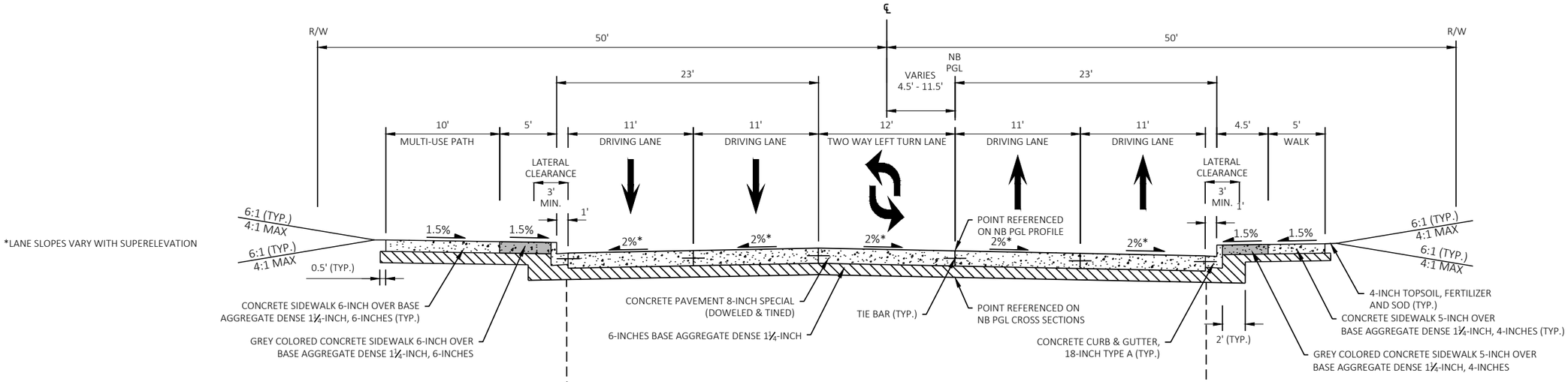
*LANE SLOPES VARY WITH SUPERELEVATION

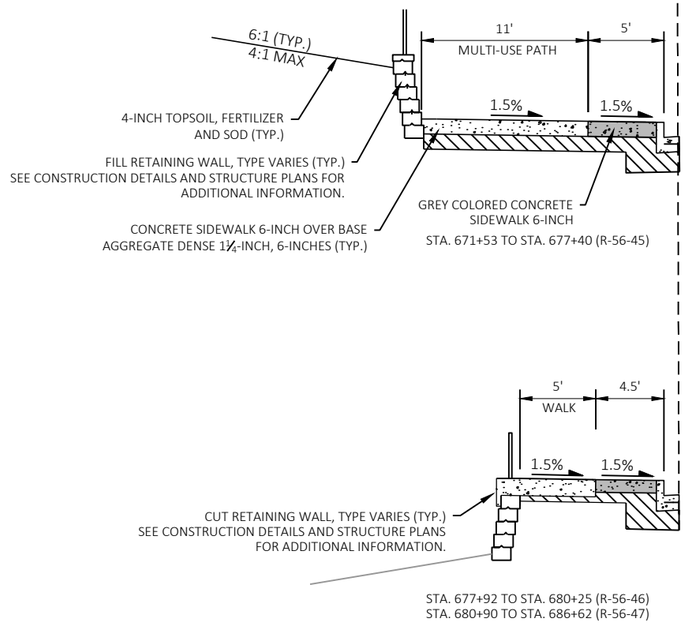
FINISHED TYPICAL SECTION

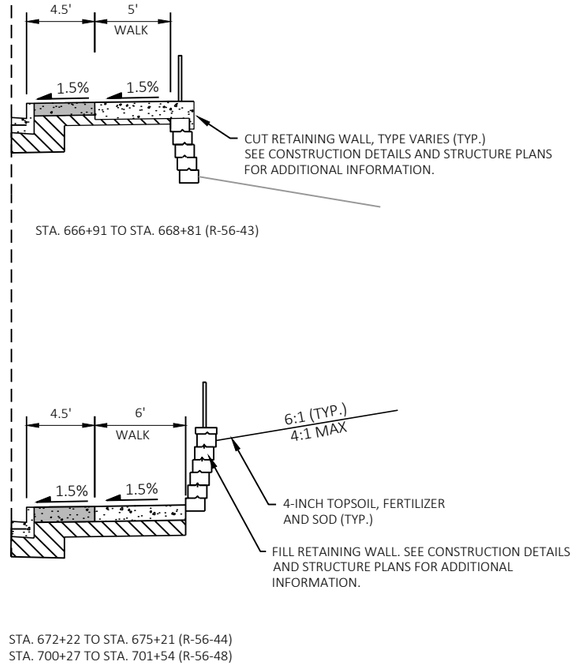
STA. 656+41 TO STA. 666+36

PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	FINISHED TYPICAL SECTIONS	SHEET 15	E

2

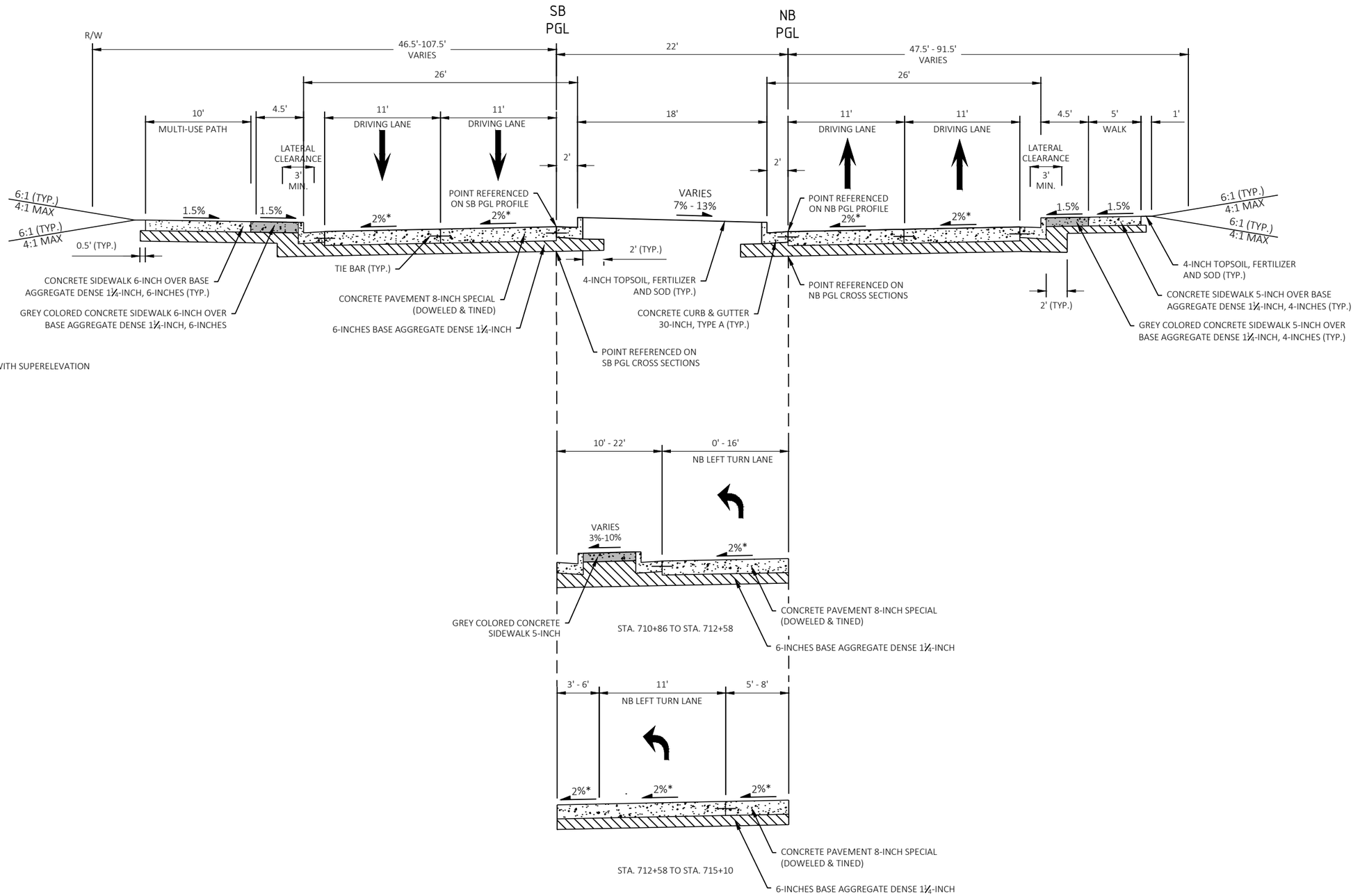






FINISHED TYPICAL SECTION

STA. 666+36 TO STA. 705+30



*LANE SLOPES VARY WITH SUPERELEVATION

FINISHED TYPICAL SECTION

STA. 705+30 TO STA. 715+10

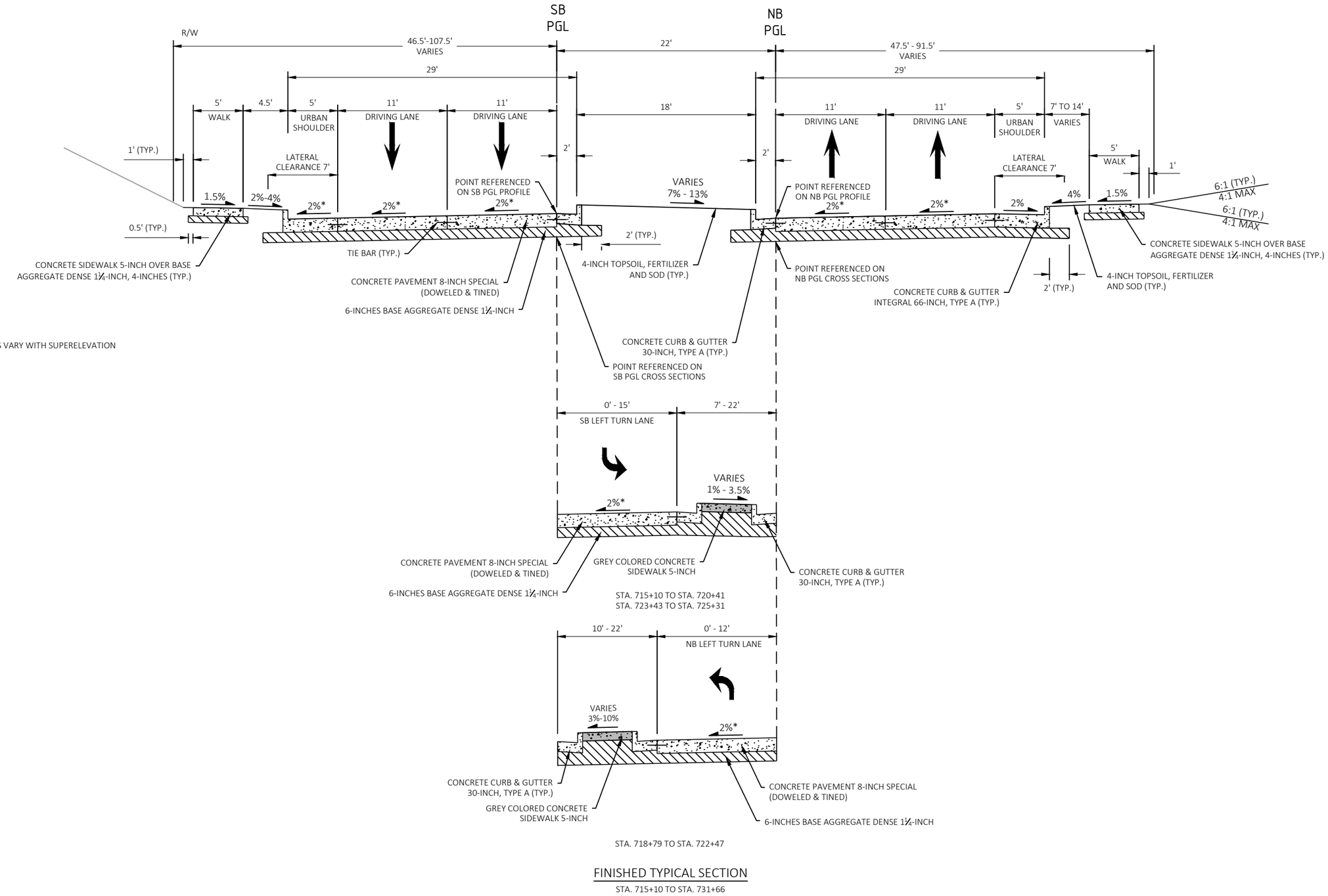
PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	FINISHED TYPICAL SECTIONS	SHEET 17	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\SINGLE LET_ALL IDS\020301_TS.DWG
LAYOUT NAME - 020312_ts

PLOT DATE : 8/18/2025 4:01 PM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 42

2

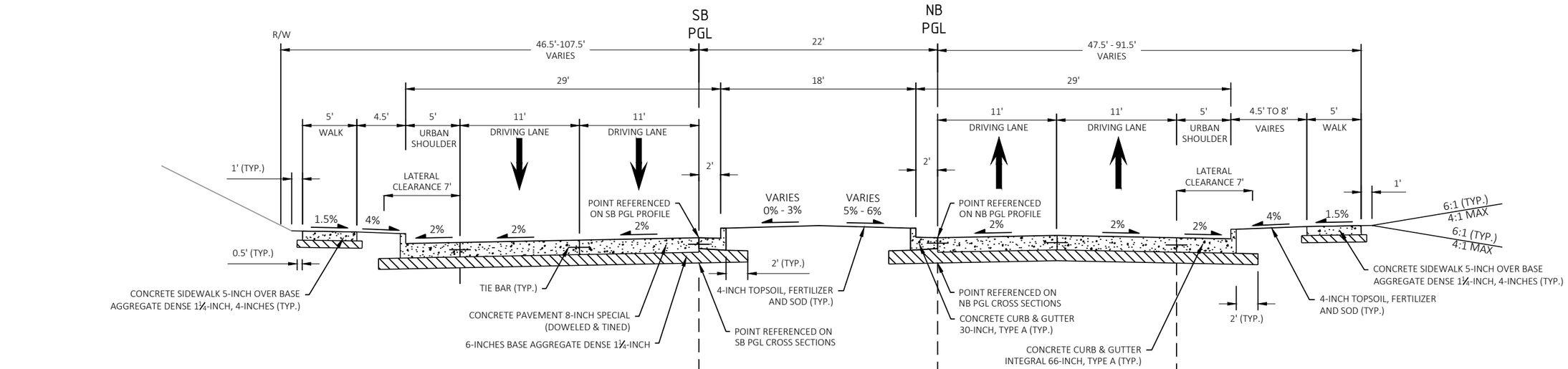


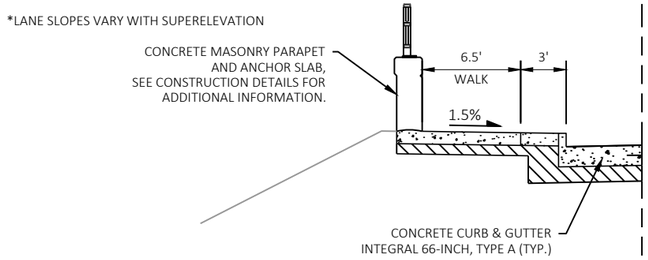
FINISHED TYPICAL SECTION

STA. 715+10 TO STA. 731+66

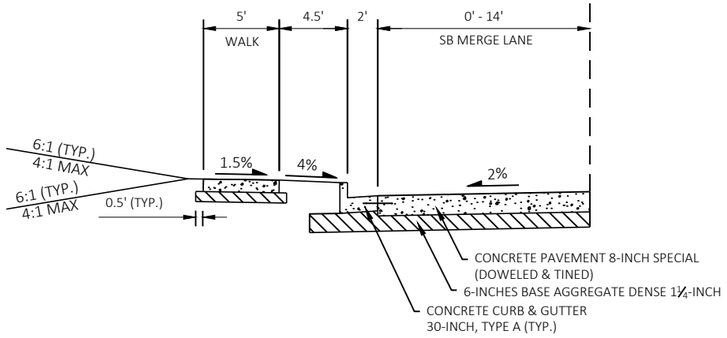
PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	FINISHED TYPICAL SECTIONS	SHEET 18	E

2

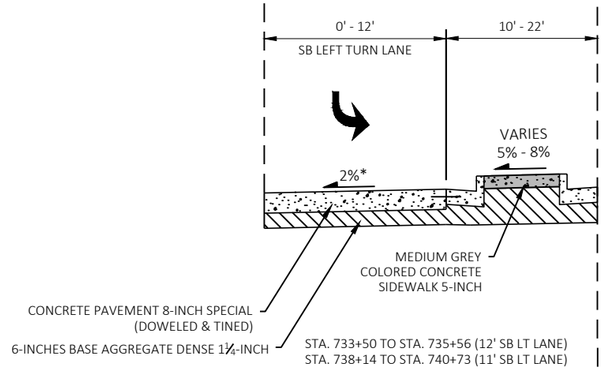




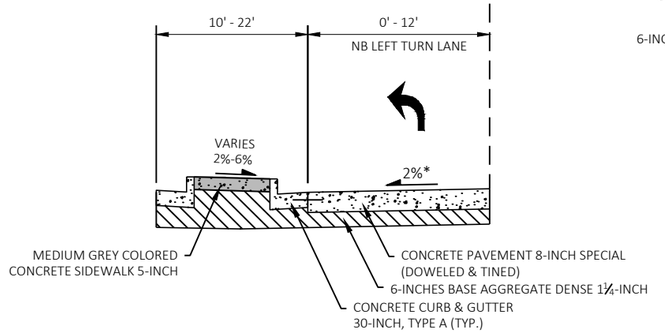
STA. 734+25 TO STA. 735+58



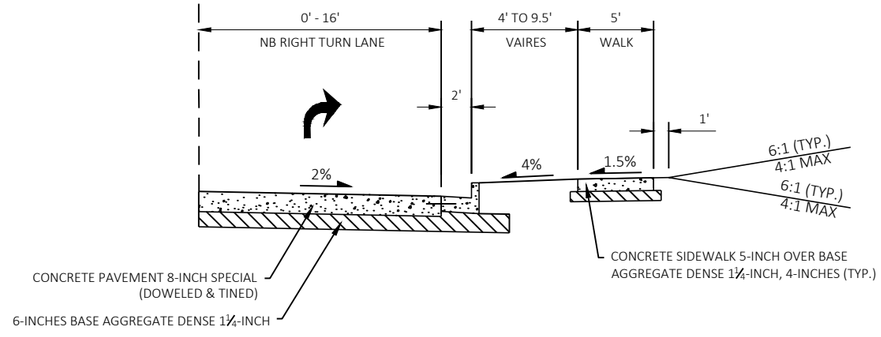
STA. 735+58 TO STA. 740+34



STA. 733+50 TO STA. 735+56 (12' SB LT LANE)
STA. 738+14 TO STA. 740+73 (11' SB LT LANE)



STA. 735+23 TO STA. 738+15 (12' NB LT LANE)
STA. 738+15 TO STA. 741+26 (11' NB LT LANE)



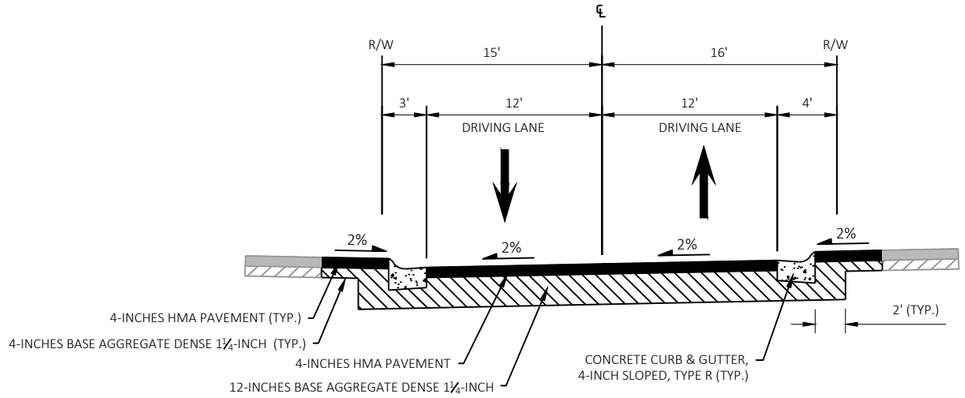
STA. 736+46 TO STA. 740+89

FINISHED TYPICAL SECTION

STA. 731+66 TO STA. 742+92

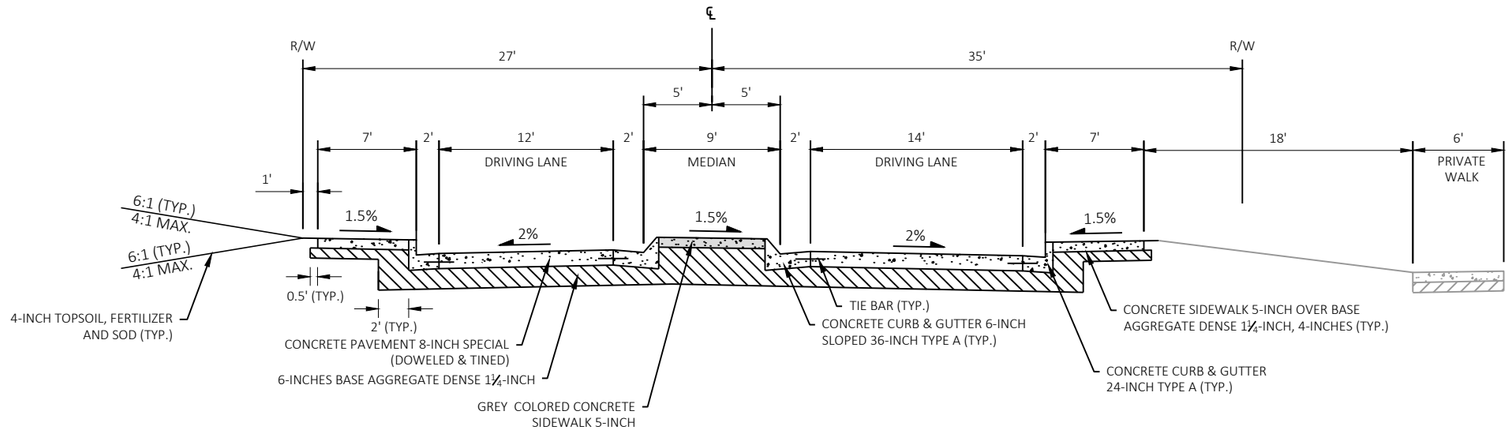
PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	FINISHED TYPICAL SECTIONS	SHEET 19	E

2



FINISHED TYPICAL SECTION

WINNEBAGO LANE
STA. 35+25 TO STA. 36+00



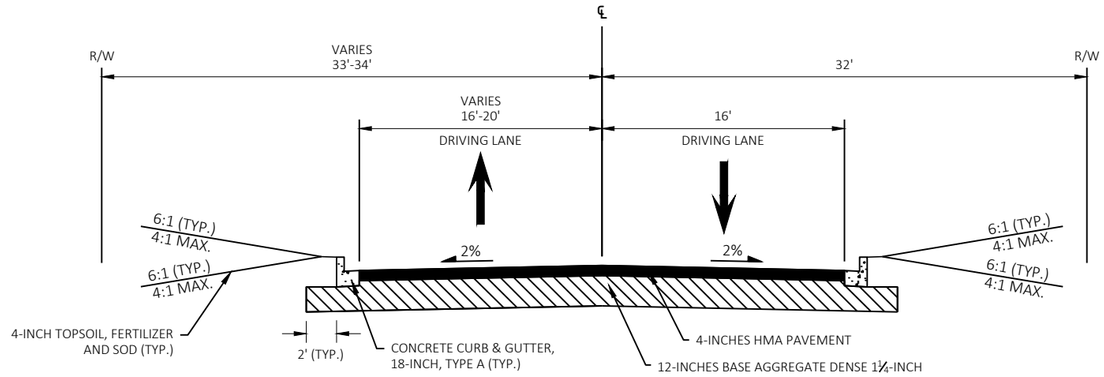
FINISHED TYPICAL SECTION

E. HIAWATHA DRIVE
STA. 18+65 TO STA. 20+00

PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	FINISHED TYPICAL SECTIONS	SHEET 20	E

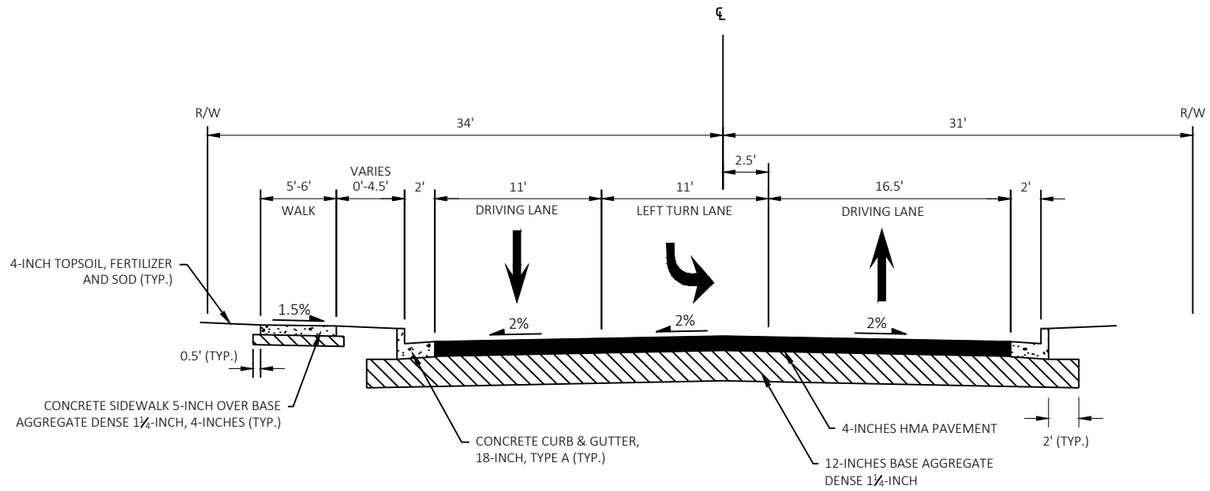
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LAYOUT NAME - 020315_ts
PLOT DATE : 6/17/2025 1:04 PM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42

2



FINISHED TYPICAL SECTION

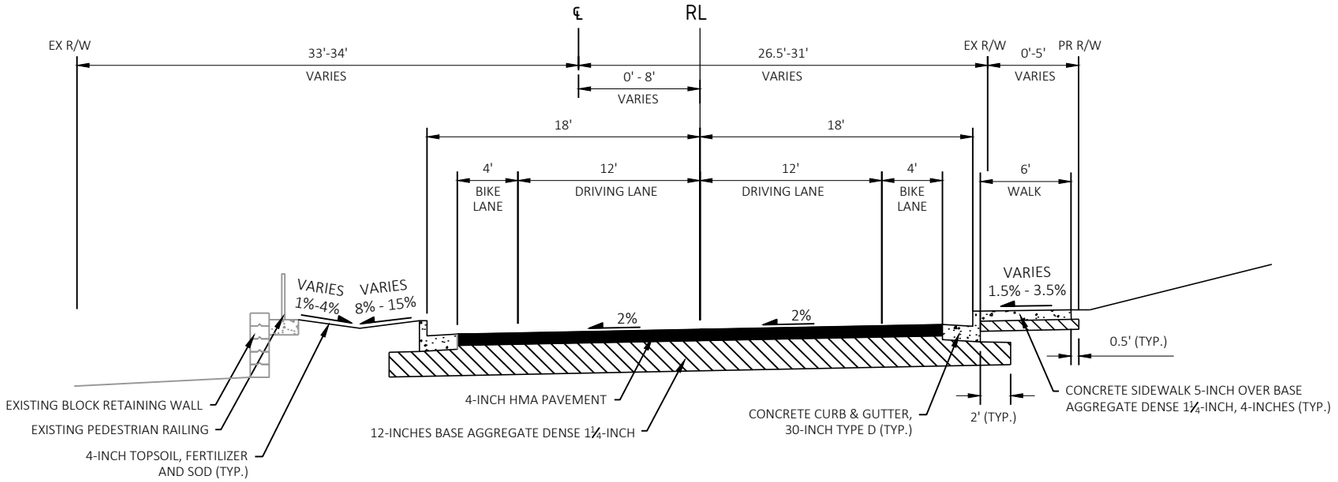
W. LAKE AVENUE
STA. 40+30 TO STA. 42+50



FINISHED TYPICAL SECTION

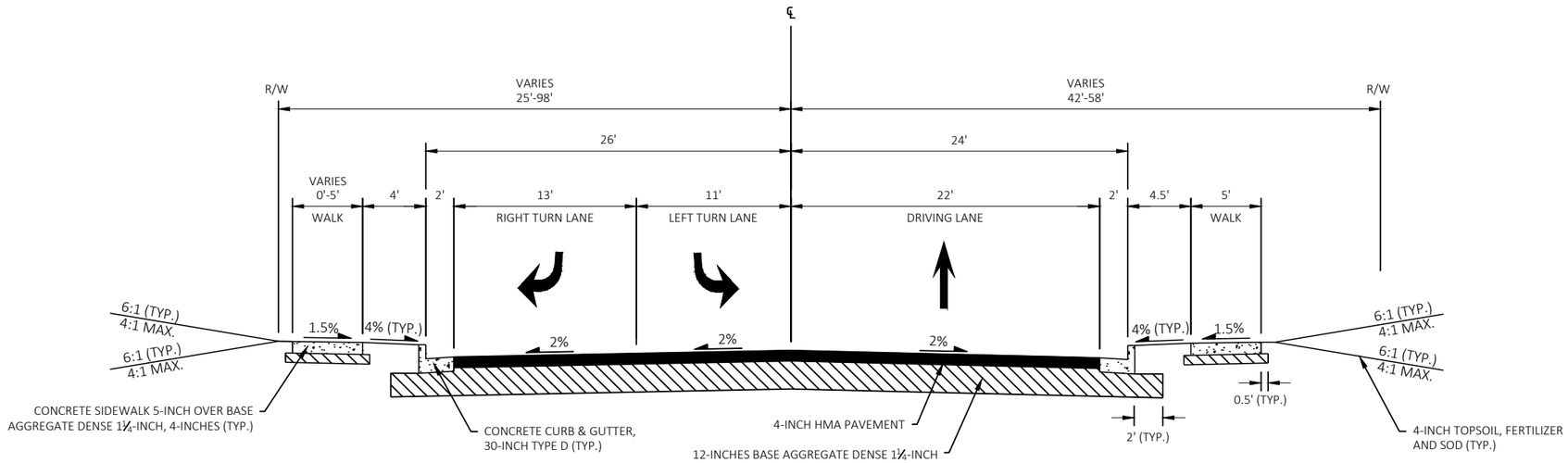
E. LAKE AVENUE
STA. 43+10 TO STA. 44+73

PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	FINISHED TYPICAL SECTIONS	SHEET 21	E



FINISHED TYPICAL SECTION

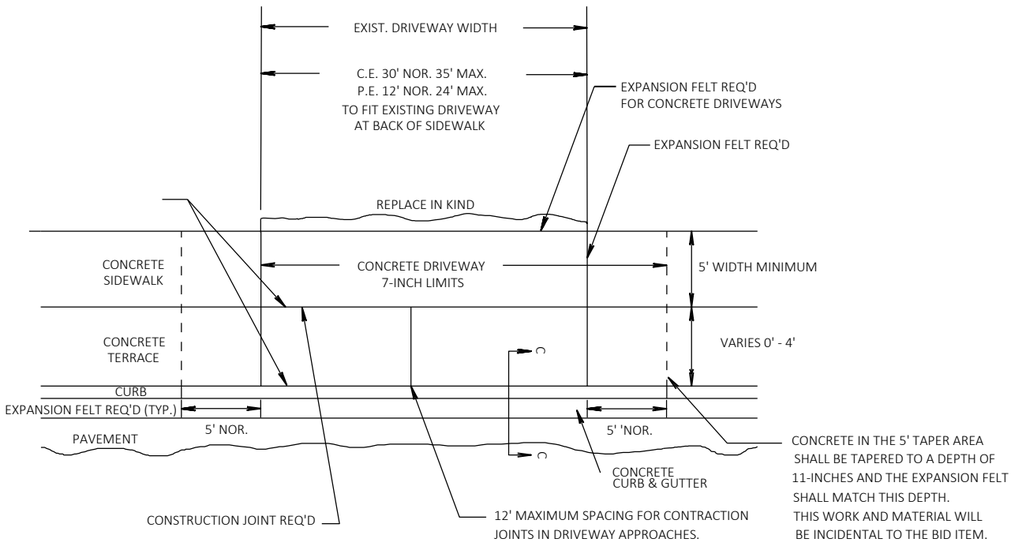
PILGRIM DRIVE
STA. 55+36 TO STA. 56+81



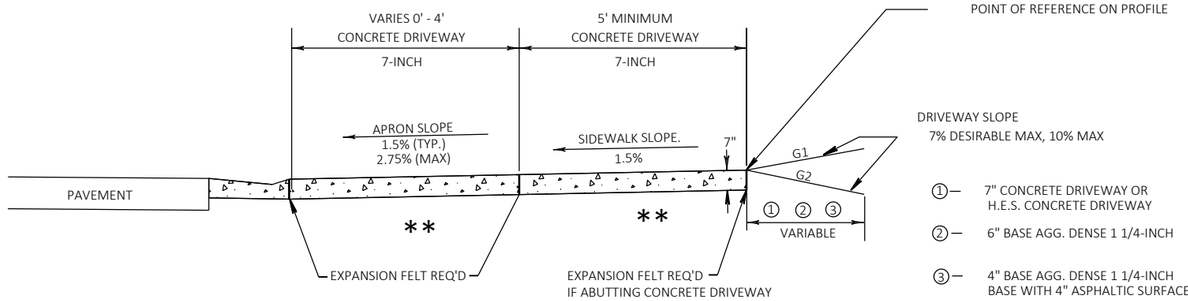
FINISHED TYPICAL SECTION

CTH A
STA. 70+00 TO STA. 73+97

PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	FINISHED TYPICAL SECTIONS	SHEET 22	E



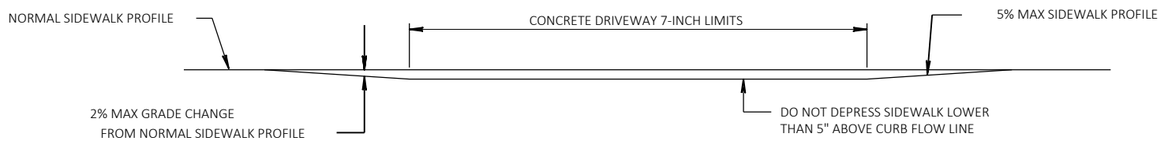
PLAN VIEW



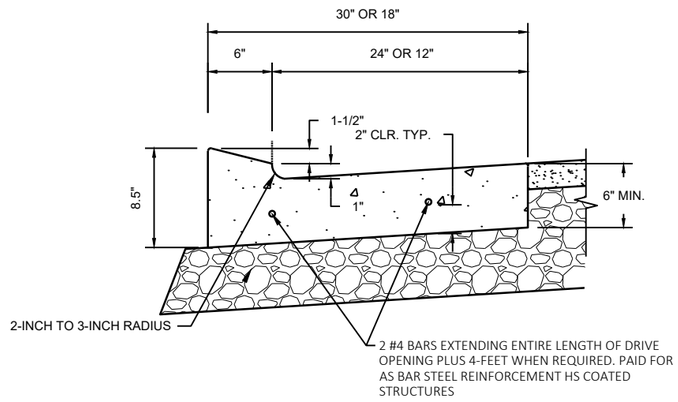
NOTES: ALGEBRAIC DIFFERENCE BETWEEN TANGENT GRADES G1 & G2 TO NOT EXCEED 15%.

DEPRESS SIDEWALK PROFILE IF DRIVEWAY APRON EXCEEDS MAX SLOPE.

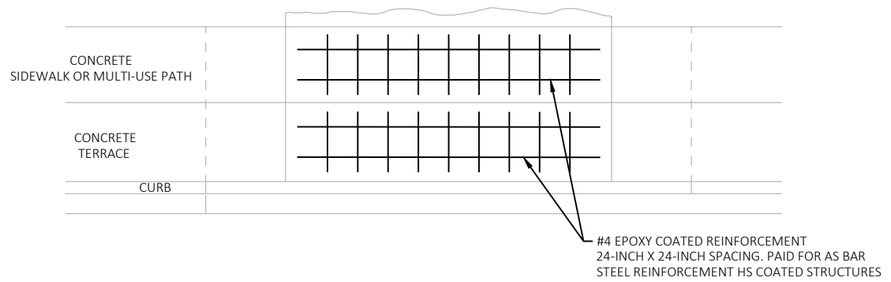
TYPICAL SIDEWALK SECTION



DEPRESSED SIDEWALK PROFILE DETAIL



SECTION C-C: DRIVEWAY CURB AND GUTTER STEEL DETAIL
NO SCALE
SEE STANDARD DETAIL DRAWINGS FOR ADDITIONAL INFORMATION



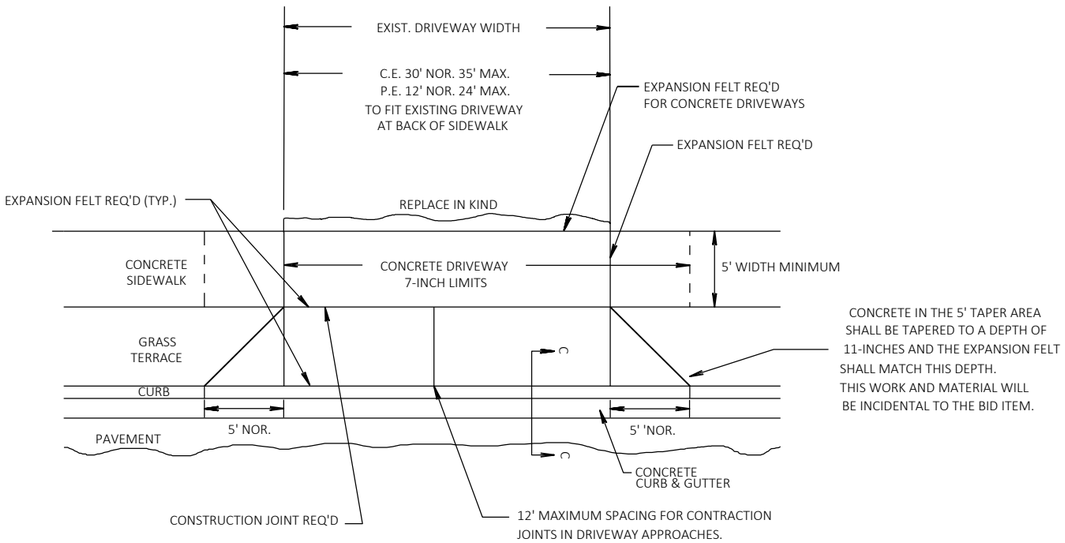
DRIVEWAY STEEL DETAIL

NOTES: PROVIDE CONSTRUCTION JOINTS ALONG THE CENTER OF THE CONCRETE FOR DRIVEWAYS UNDER 20-FT IN WIDTH AND AT THE THIRD POINTS OVER 20' N WIDTH.

DRIVEWAY WIDTH AND OFFSET ARE PROVIDED ON THE PLAN DETAIL SHEETS. ELEVATIONS, AND PERCENT GRADE ARE SHOWN ON THE CROSS SECTIONS.

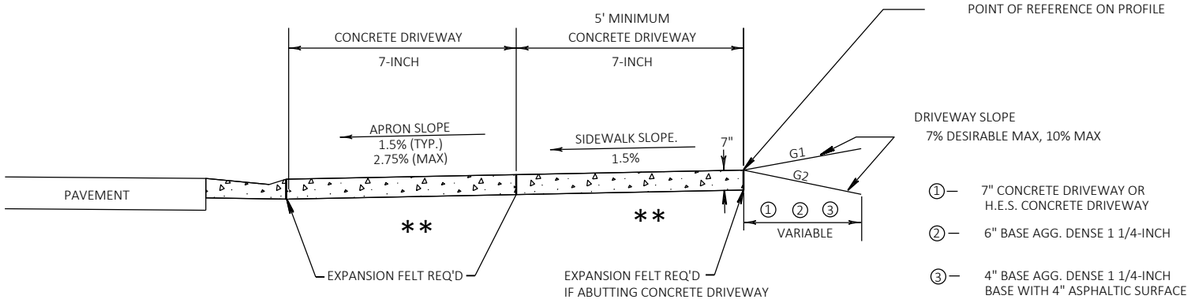
BARS SHALL BE SET A MINIMUM OF 2" UP FROM THE BOTTOM OF SLAB.

DRIVEWAY ENTRANCE DETAIL WITH CONCRETE TERRACE, SIDEWALK, CURB & GUTTER



CONCRETE IN THE 5' TAPER AREA SHALL BE TAPERED TO A DEPTH OF 11-INCHES AND THE EXPANSION FELT SHALL MATCH THIS DEPTH. THIS WORK AND MATERIAL WILL BE INCIDENTAL TO THE BID ITEM.

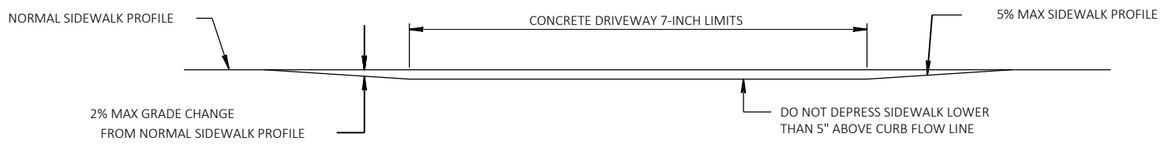
PLAN VIEW



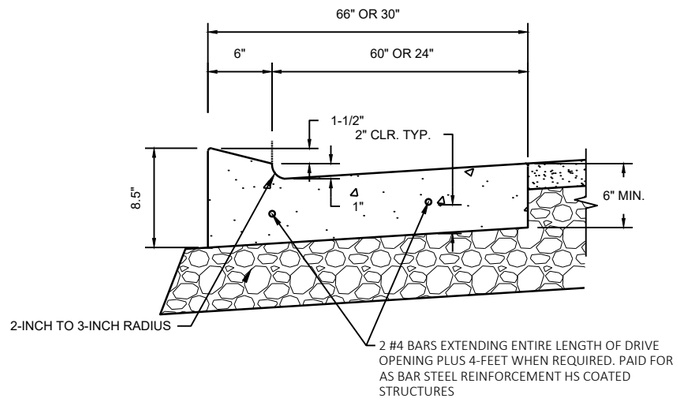
NOTES: ALGEBRAIC DIFFERENCE BETWEEN TANGENT GRADES G1 & G2 TO NOT EXCEED 15%.

DEPRESS SIDEWALK PROFILE IF DRIVEWAY APRON EXCEEDS MAX SLOPE.

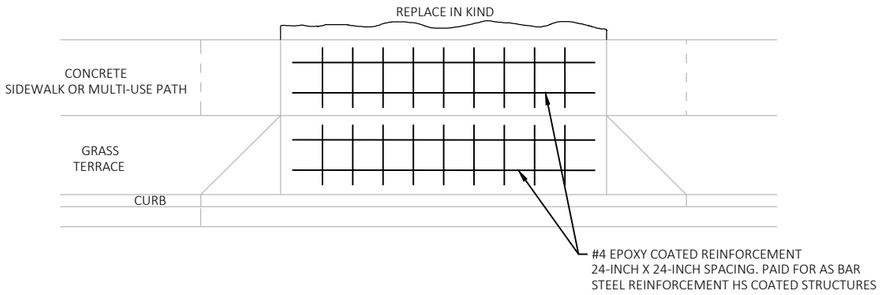
TYPICAL SIDEWALK SECTION



DEPRESSED SIDEWALK PROFILE DETAIL



SECTION C-C: DRIVEWAY CURB AND GUTTER STEEL DETAIL
NO SCALE
SEE STANDARD DETAIL DRAWINGS FOR ADDITIONAL INFORMATION



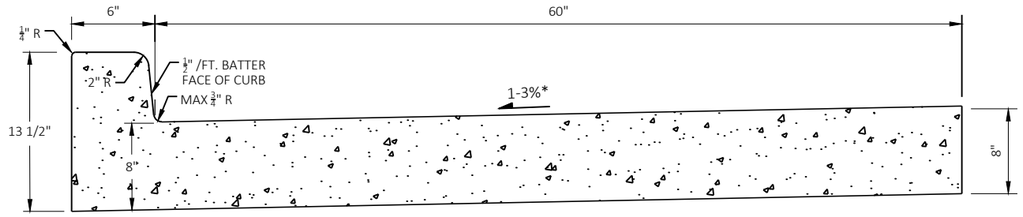
DRIVEWAY STEEL DETAIL

NOTES: PROVIDE CONSTRUCTION JOINTS ALONG THE CENTER OF THE CONCRETE FOR DRIVEWAYS UNDER 20-FT IN WIDTH AND AT THE THIRD POINTS OVER 20' N WIDTH.

DRIVEWAY WIDTH AND OFFSET ARE PROVIDED ON THE PLAN DETAIL SHEETS. ELEVATIONS, AND PERCENT GRADE ARE SHOWN ON THE CROSS SECTIONS.

BARS SHALL BE SET A MINIMUM OF 2" UP FROM THE BOTTOM OF SLAB.

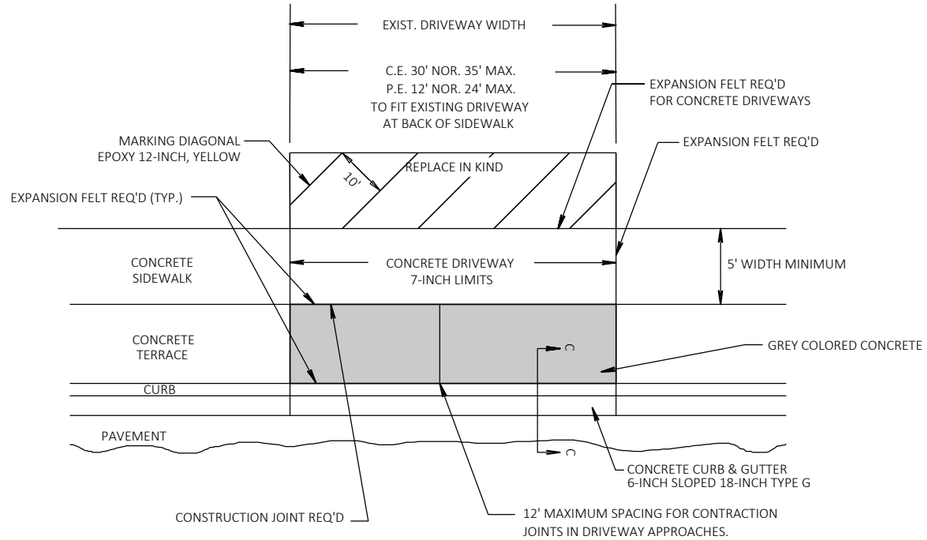
DRIVEWAY ENTRANCE DETAIL WITH GRASS TERRACE, SIDEWALK, CURB & GUTTER



CONCRETE CURB & GUTTER INTEGRAL

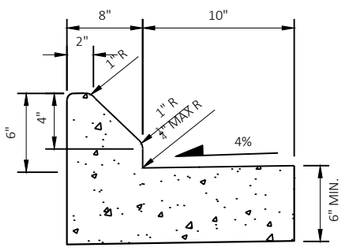
66-INCH, TYPE A

*GUTTER SLOPES VARY DEPENDING ON SUPERELEVATION AND LOCATION



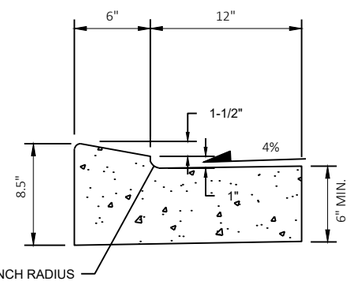
PLAN VIEW

EMERGENCY ACCESS DRIVEWAY DETAIL



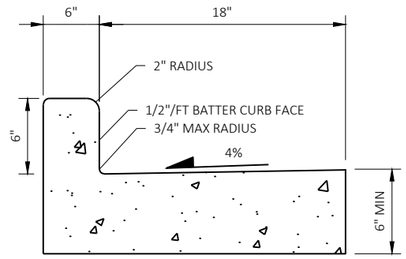
6-INCH SLOPED 18-INCH TYPE G

LABELED AS 18G IN PLAN DETAILS
USED FOR EMERGENCY ACCESS DRIVEWAYS



18-INCH TYPE G

LABELED AS 18G* IN PLAN DETAILS
USED WHERE ROADWAY ABUTS PARKING LOTS



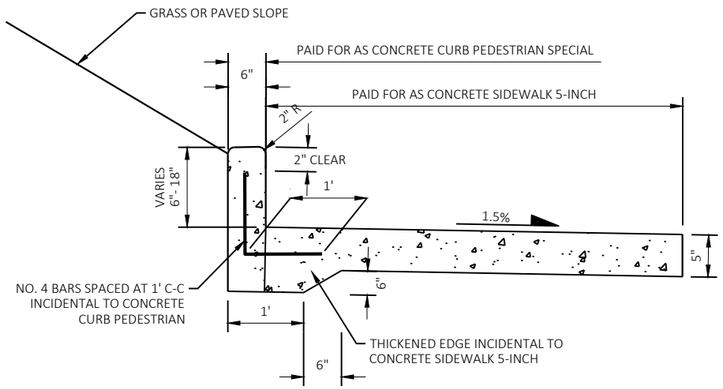
18-INCH PAN, 24-INCH TYPES A & D

LABELED AS 24A OR 24D IN PLAN DETAILS
USED TO MATCH INTO LOCAL SIDEROADS

CONCRETE CURB & GUTTER

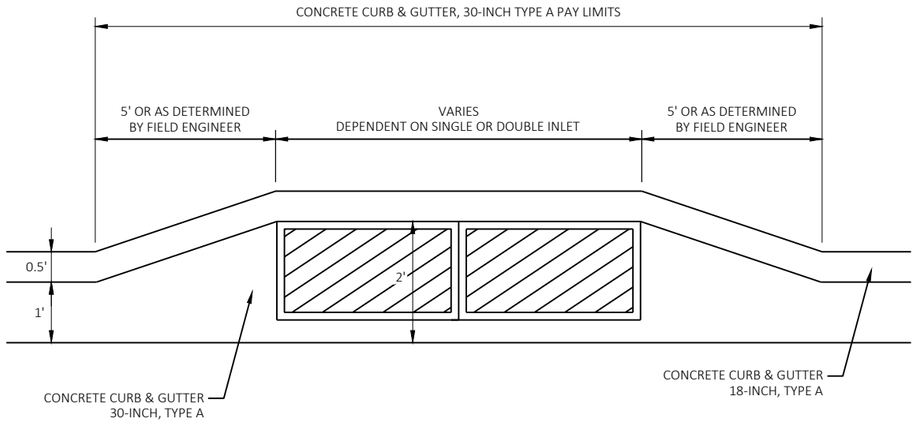
NOTES:

1. CONSTRUCTION JOINT 10.0 FT. O.C., JOINT SHALL BE ½" WIDE.
2. A ¾" TO 1" EXPANSION JOINT (FELT) SHALL BE CONSTRUCTED NOT MORE THAN 300' APART, AT P.C. POINTS AND 5.0 FT. EITHER SIDE OF INLET STRUCTURES.
3. WHERE NEW CONCRETE MEETS EXISTING CONCRETE: DRILL AND EPOXY ANCHOR IN PLACE 2-12" LONG #4 EPOXY COATED BARS.
4. THE BOTTOM OF THE CURB & GUTTER MAY BE CONSTRUCTED LEVEL OR PARALLEL TO THE SLOPE OF THE CRUSHED AGGREGATE BASE PROVIDED A 6" MINIMUM GUTTER THICKNESS IS MAINTAINED.



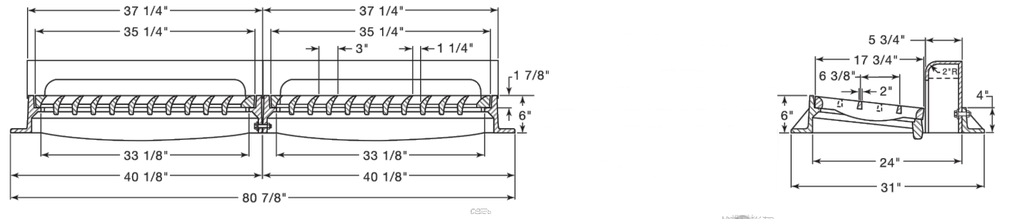
CONCRETE CURB PEDESTRIAN SPECIAL

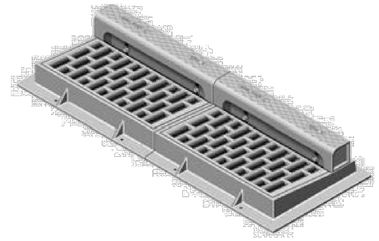
SEE PLAN DETAILS FOR LOCATIONS



STORM STRUCTURE CURB BUMP OUT

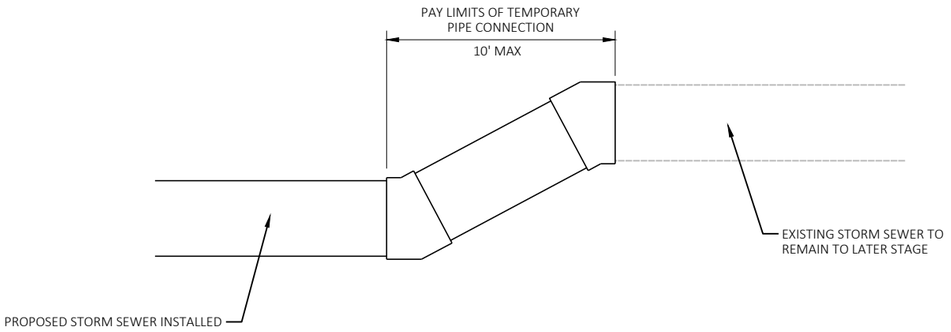
(TO BE USED AT LOCATIONS WHERE DOUBLE INLETS OR STRUCTURES WITH TYPE H COVERS ARE IN PROPOSED 18-INCH CURB & GUTTER)





INLET COVERS TYPE SP

(SEE STORM SEWER PLANS FOR LOCATIONS)

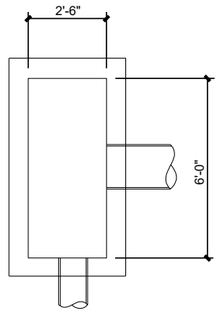


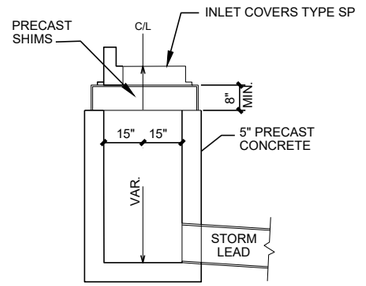
TEMPORARY PIPE CONNECTION

TO BE USED TO CONNECT EXISTING AND PROPOSED STORM SEWER DURING STAGING

GENERAL NOTES:

1. TEMPORARY PIPE CONNECTION MATERIAL SHALL MEET THE REQUIREMENTS OF SECTION 612 OF THE STANDARD SPECS.
2. PVC AND ABS ELBOWS SHOULD BE USED TO CORRECT ANY HORIZONTAL AND VERTICAL OFFSETS BETWEEN EXISTING AND PROPOSED STORM SEWER. ALL FITTINGS ARE INCIDENTAL TO THE TEMPORARY PIPE CONNECTION. FOR CORRUGATED STEEL OR CORRUGATED POLYETHYLENE PIPED, CONCRETE COLLARS, MECHANICAL BANDS OR OTHER ENGINEER APPROVED DEVICES SHALL BE USED TO CORRECT ANY HORIZONTAL OR VERTICAL OFFSET BETWEEN EXISTING AND PROPOSED STORM SEWER. ELBOWS, CONCRETE COLLARS, MECHANICAL BANDS, OR OTHER ENGINEER APPROVED DEVICES SHALL BE INCIDENTAL TO THE TEMPORARY PIPE CONNECTION.
5. WHEN CONNECTING PIPES OF DIFFERENT SIZES, USE BLOCKING, BRICKING AND MORTAR TO FILL LARGE GAPS. BLOCKING, BRICKING AND MORTAR SHALL BE INCIDENTAL TO THE TEMPORARY PIPE CONNECTION.
6. CONNECT THE TEMPORARY PIPE CONNECTION TO THE PROPOSED STORM SEWER IN SUCH A MANNER THAT IT DOES NOT DAMAGE THE PROPOSED STORM SEWER.
7. REMOVE THE TEMPORARY PIPE CONNECTION WHEN THE REMAINDER OF THE STORM SEWER IS INSTALLED IN A LATER DATE.
8. TEMPORARY PIPE CONNECTION INCLUDES UP TO 10 FEET OF PIPE. LENGTHS IN EXCESS OF 10' WILL BE PAID FOR SEPARATELY UNDER THE 530 OR 612 BID ITEMS.





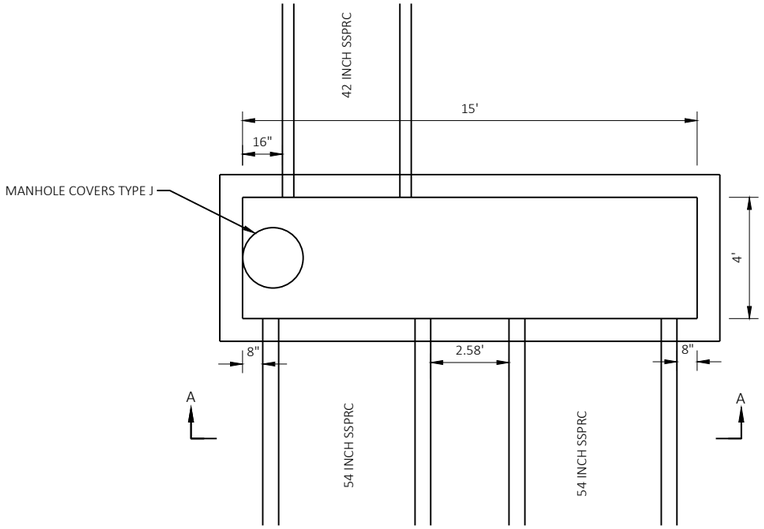
DOUBLE INLET

(SEE STORM SEWER PLANS FOR LOCATIONS)

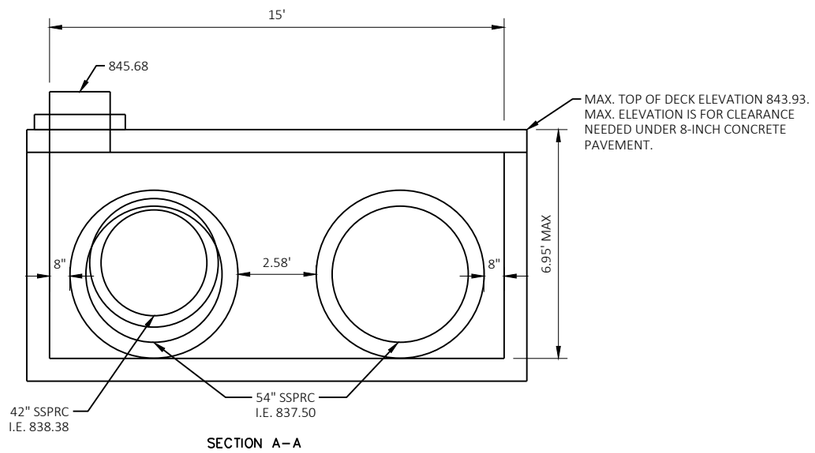
NOTES:

1. DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP SHALL CONFORM TO GENERAL NOTES FOUND ON SDD "INLETS 2X2–FT, 2X2.5–FT, 2X3–FT, 2.5X3–FT AND 2X3.5–FT" AND PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS.

2. CONTRACTOR TO SUBMIT SHOP DRAWINGS OF INLET FOR REVIEW AND APPROVAL.



PLAN VIEW



SECTION A–A

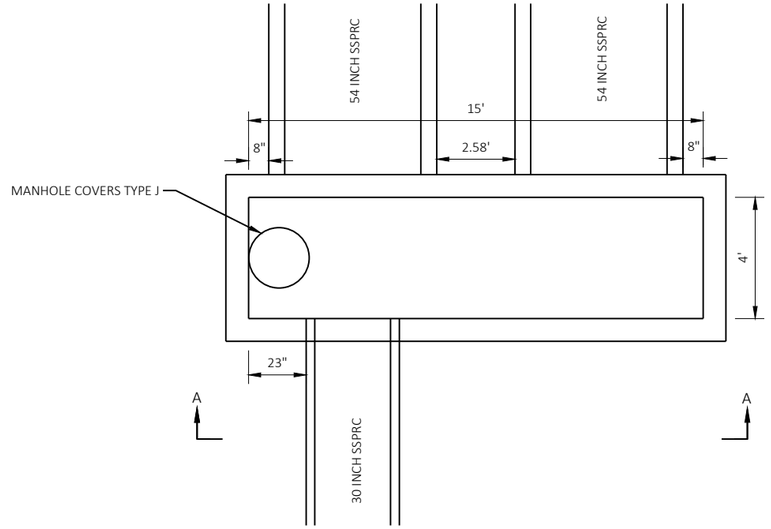
MANHOLES 15X4–FT

STA 689+98, 41'LT
(LOOKING NORTH)

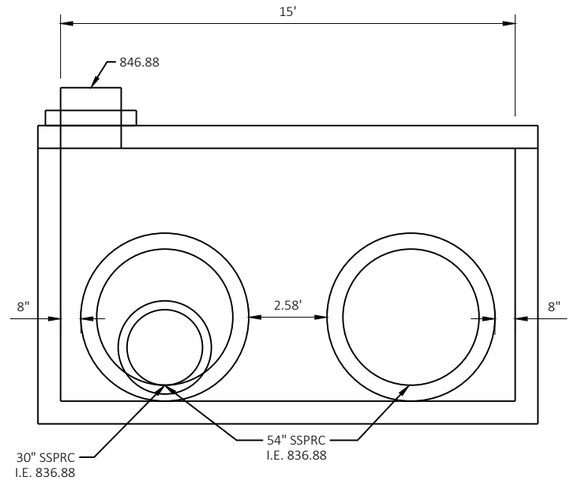
NOTES:

1. DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP SHALL CONFORM TO GENERAL NOTES FOUND ON SDD "MANHOLES 3X3–FT, 4X4–FT, 5X5–FT AND 6–6–FT" AND PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS.

2. CONTRACTOR TO SUBMIT SHOP DRAWINGS OF THE MANHOLE FOR REVIEW AND APPROVAL.



PLAN VIEW



SECTION A–A

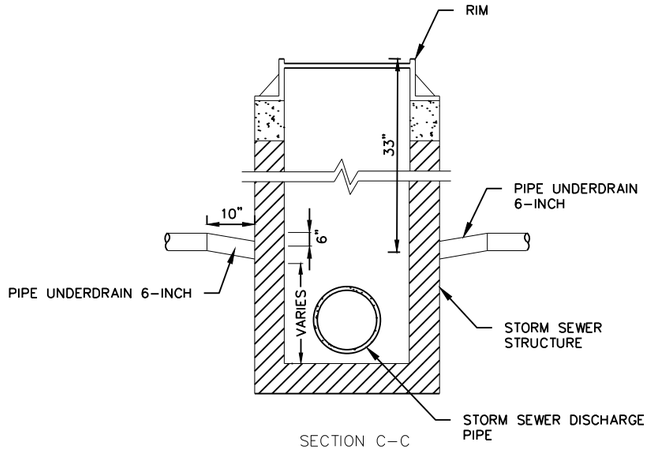
MANHOLES 15X4–FT

STA 687+83, 44.5'LT
(LOOKING NORTH)

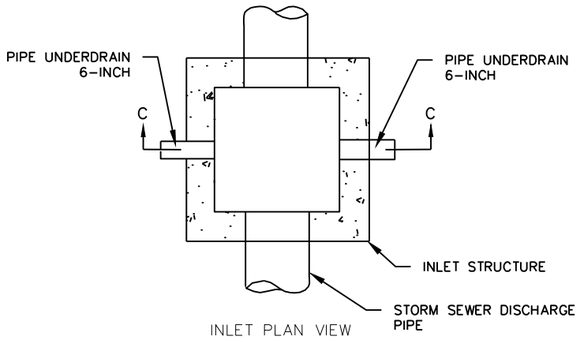
NOTES:

1. DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP SHALL CONFORM TO GENERAL NOTES FOUND ON SDD "MANHOLES 3X3–FT, 4X4–FT, 5X5–FT AND 6–6–FT" AND PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS.

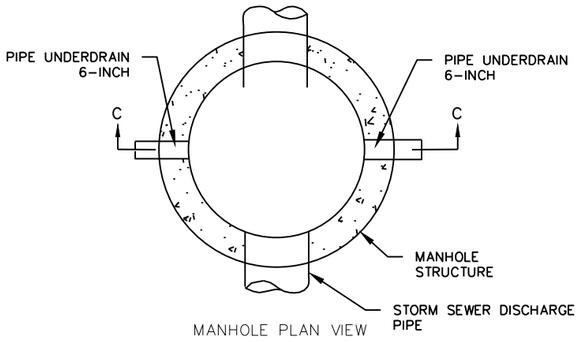
2. CONTRACTOR TO SUBMIT SHOP DRAWINGS OF THE MANHOLE FOR REVIEW AND APPROVAL.



SECTION C–C



INLET PLAN VIEW



MANHOLE PLAN VIEW

NOTES:

1. CONNECTIONS TO INLETS SHALL USE PIPE UNDERDRAIN, 6–INCH

2. PROVIDE 6" DIA. OPENINGS FOR UNDERDRAIN PIPE A MINIMUM OF 37" BELOW THE RIM ELEVATION. CORE INTO EXISTING INLETS TO REMAIN.

3. SEE MISCELLANEOUS QUANTITIES AND STORM SEWER PLANS FOR PIPE UNDERDRAIN LOCATIONS.

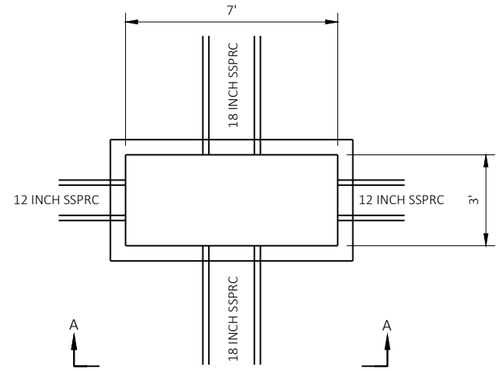
4. PIPE UNDERDRAIN ONLY REQUIRED ON HIGH SIDE OF INLET IN SLOPED CONDITION.

5. PIPE UNDERDRAIN REQUIRED ON BOTH SIDES OF INLET IN SAG CONDITION.

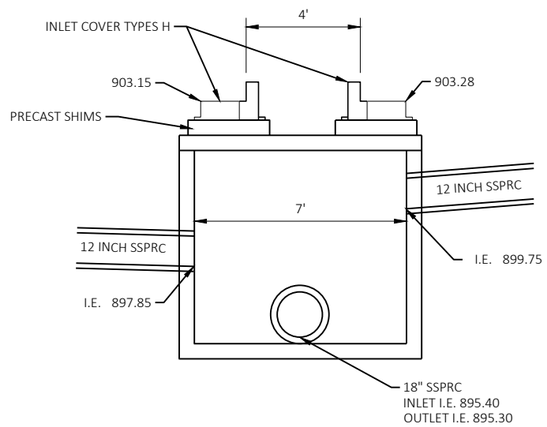
6. UNDERDRAIN FROM RETAINING WALLS SHALL BE PIPE UNDERDRAIN UNPERFORATED 6–INCH. SEE STRUCTURE PLANS FOR MORE INFORMATION.

UNDERDRAIN OUTFALL AT STORM STRUCTURE

(SEE STORM SEWER PLANS FOR LOCATIONS)



PLAN VIEW



SECTION A–A

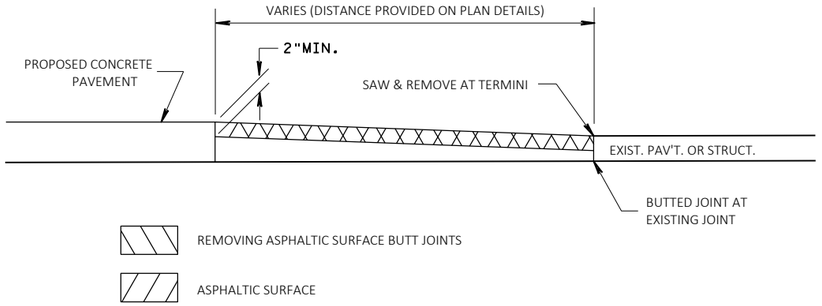
MANHOLES 7X3–FT

STA 722+20, 18' LT
(LOOKING NORTH)

NOTES:

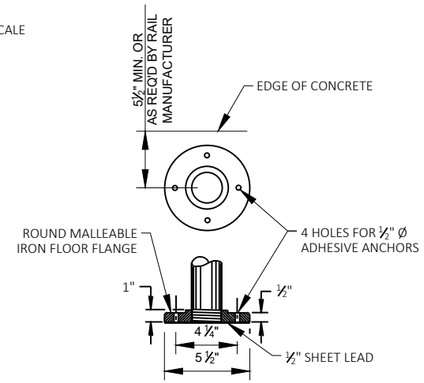
1. DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP SHALL CONFORM TO GENERAL NOTES FOUND ON SDD "MANHOLES 3X3–FT, 4X4–FT, 5X5–FT AND 6–6–FT" AND PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS.

2. CONTRACTOR TO SUBMIT SHOP DRAWINGS OF THE MANHOLE FOR REVIEW AND APPROVAL.



OVERLAP JOINT, BUTTED DETAIL

NOT TO SCALE



FLANGE DETAIL

NOTES:

STAIR WIDTH SHALL MATCH EXISTING PRIVATE SIDEWALK WIDTH UNLESS OTHERWISE NOTED ON THE PLAN DETAIL SHEETS.

THE EXACT LOCATION AND WIDTH OF STEPS TO BE DETERMINED BY THE ENGINEER IN THE FIELD.

BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2-INCH CLEAR.

STAIRS SHALL BE CONSTRUCTED IN ACCORDANCE WITH WISCONSIN BUILDING CODE.

RAILING SHALL BE 34-INCHES MINIMUM AND 38-INCHES MAXIMUM VERTICALLY ABOVE STAIR NOSINGS. RAILING SHALL BE CONSISTENT HEIGHT ABOVE STAIR NOSINGS.

RAIL TO BE GALVANIZED AFTER FABRICATION PRIOR TO GALVANIZING, THE STEELING RAILING SHALL BE GIVEN A NO. 6 BLAST CLEANING PER SSPC SPECIFICATIONS. PAINT OVER GALVANIZING WITH AN APPROVED TIE COAT AND TOP COAT AS SPECIFIED IN THE CONTRACT DOCUMENTS. THE RAILING SHALL BE PAINTED AMS STANDARD COLOR NO. 27038 (BLACK).

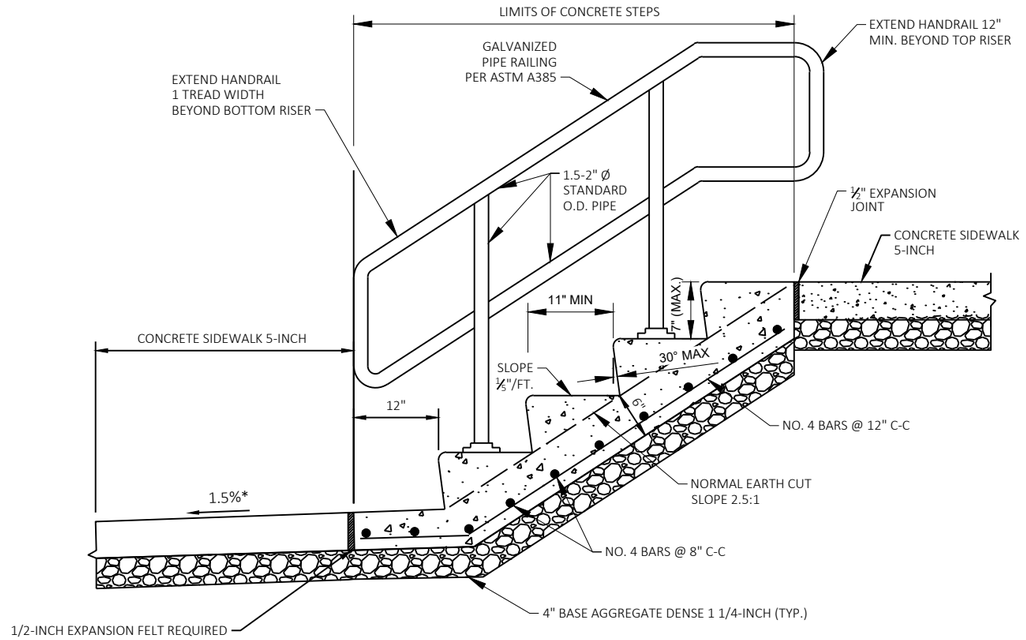
RAILING AND RAILING ANCHORAGE TO BE DESIGNED BY MANUFACTURER.

RAIL POST ANCHORS SHALL BE ½"Ø CAST-IN-PLACE OR POST INSTALLED ADHESIVE ANCHORS. POST INSTALLED MECHANICAL ANCHORS ARE NOT PERMITTED.

ADHESIVE ANCHORS SHALL CONFORM TO SECTION 502.2.12 AND 502.3.14 OF THE STANDARD SPECIFICATIONS

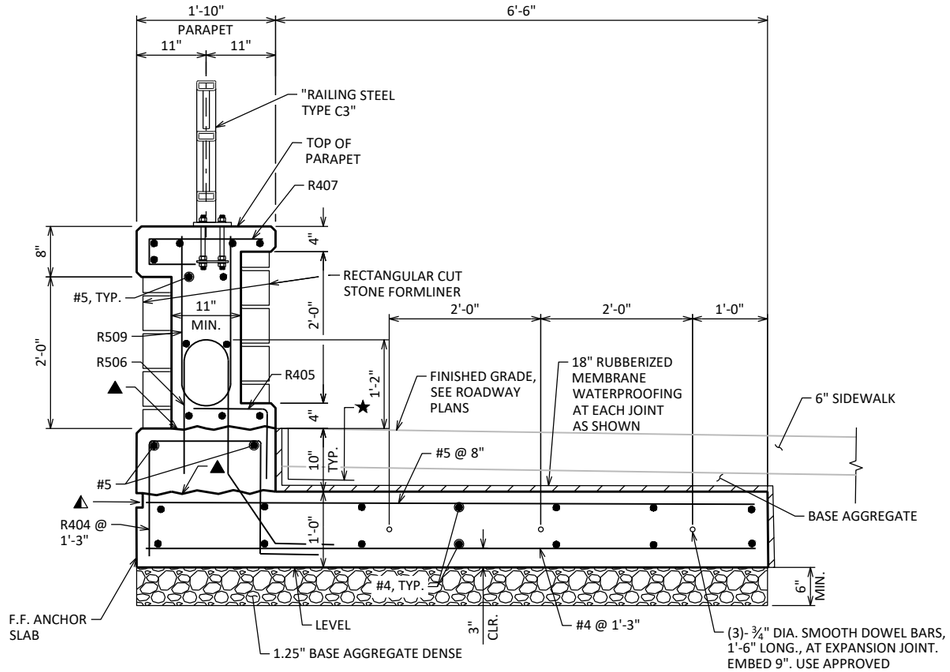
RAILING TO BE DESIGNED PER SECTION 13.8.2 OF AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS .

* ±0.5%



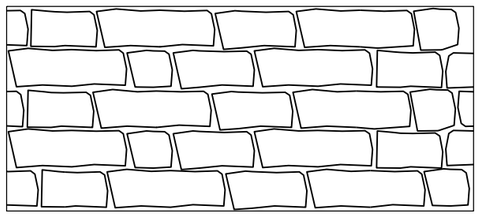
CONCRETE STEPS

SEE PLAN DETAILS FOR LOCATIONS



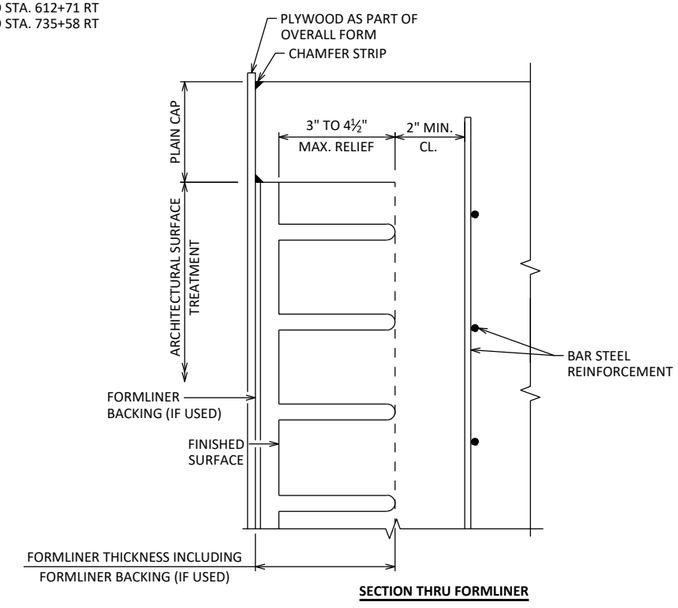
CONCRETE PARAPET AND ANCHOR SLAB DETAIL

STA. 608+62 TO STA. 612+24 LT
STA. 610+09 TO STA. 612+71 RT
STA. 734+24 TO STA. 735+58 RT



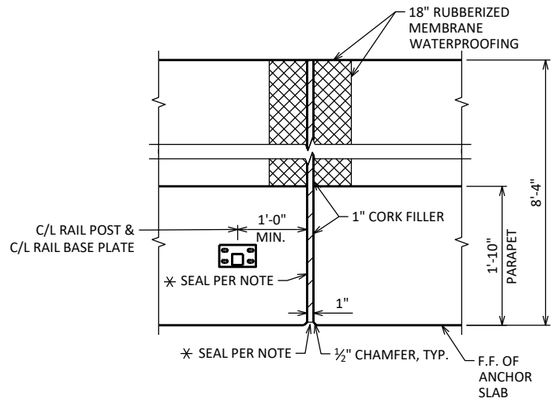
RECTANGULAR CUT STONE

FORMLINER THICKNESS = 4" TO 5½"
COURSE HEIGHT = ±2"
MAX RELIEF = 3" TO 4½"

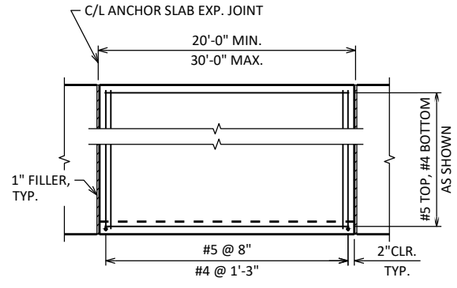


SECTION THRU FORMLINER

FORMLINER DETAILS



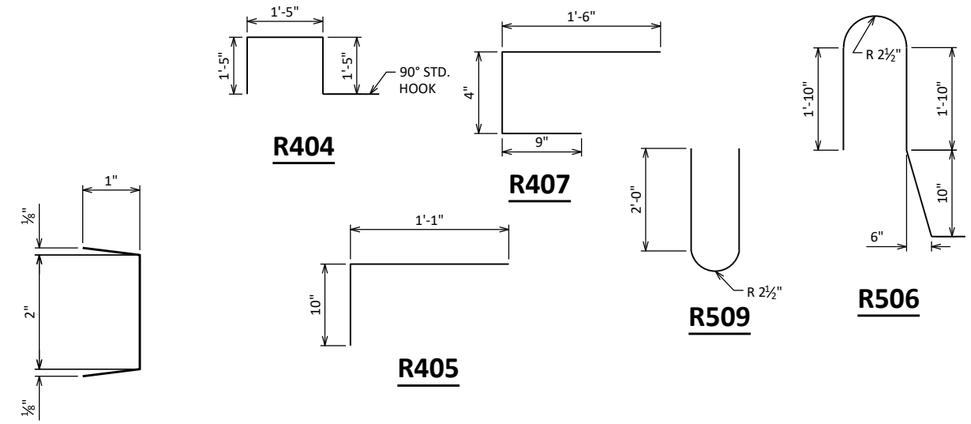
■ ANCHOR SLAB EXPANSION JOINT DETAIL



TYPICAL PANEL

ANCHOR SLAB PLAN

PANEL LENGTH MEASURED ALONG R/L PARAPET/RAILING NOT SHOWN FOR CLARITY



◭ RUSTICATION DETAIL

NOTES

ALL BAR STEEL SHALL BE EPOXY COATED.

LAP #4 LONGITUDINAL BARS A MINIMUM OF 1'-0". LAP #5 LONGITUDINAL BARS A MINIMUM OF 1'-9".

FORMLINER COURSING ON PARAPETS SHALL BE PARALLEL TO TOP OF PARAPET.

PIGMENTED SURFACE SEALER TO BE APPLIED TO THE TRAFFIC FACE AND TOP OF THE PARAPET.

LEGEND

⚹ SEAL ALL EXPOSED HORIZ. & VERT. SURFACES OF FILLER WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD ⅛" BELOW SURFACE OF CONC.)

◭ PROVIDE RUSTICATION IF OPT. CONST. JOINT IS USED.

▲ OPTIONAL CONSTRUCTION JOINT. LEAVE SURFACE ROUGHENED

■ ANCHOR SLAB EXPANSION JOINTS TO BE SPACED AT A MINIMUM OF 20' AND A MAXIMUM OF 30'. DO NOT RUN BAR STEEL THRU JOINT, EXCEPT FOR DOWEL BARS. JOINT TO EXTEND FULL DEPTH OF PARAPET & ANCHOR SLAB. ALL EXPANSION JOINTS MUST COINCIDE WITH A BLOCK JOINT ON THE FRONT FACE OF WALL.

★ IF OPT. CONST. JOINT IS USED, PLACE 18" MEMBRANE WATERPROOFING ALONG THE ENTIRE LONGITUDINAL JOINT. THE MEMBRANE WATERPROOFING SEALING THE OPTIONAL CONST. JOINT IS INCIDENTAL TO THE CONCRETE MASONRY BID ITEM.

2

2

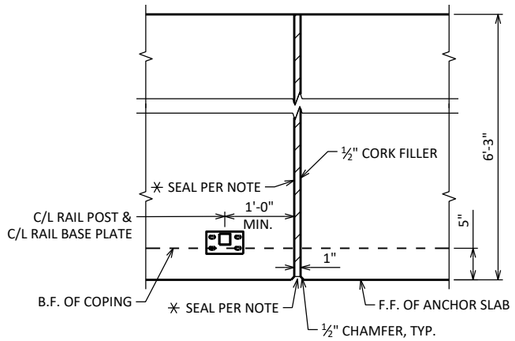
NOTES

ALL BAR STEEL SHALL BE EPOXY COATED.

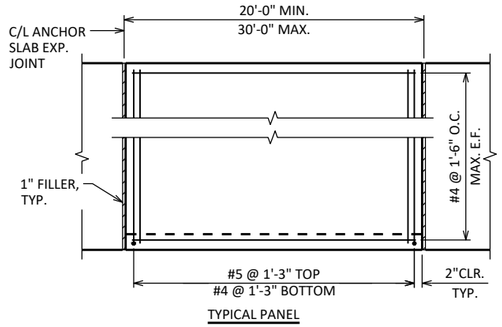
LAP #4 A MINIMUM OF 1'-0".

SEE "RAILING STEEL PEDESTRIAN TYPE C3" SHEET FOR MATERIAL PROPERTIES.

PROTECTIVE SURFACE TREATMENT TO BE APPLIED TO TOP OF ANCHOR SLAB.



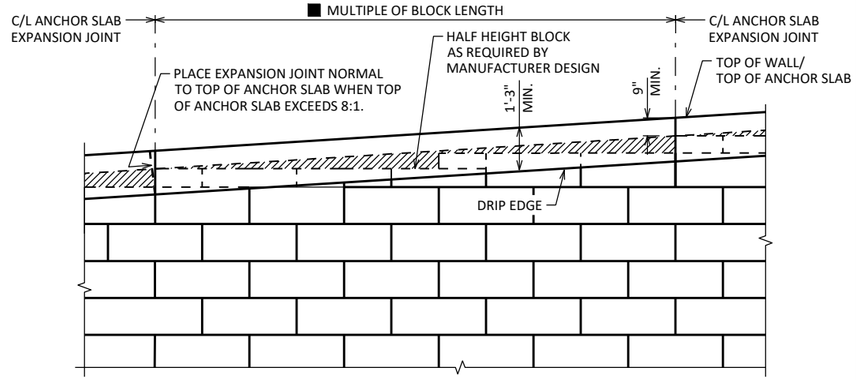
■ ANCHOR SLAB EXPANSION JOINT DETAIL



TYPICAL PANEL

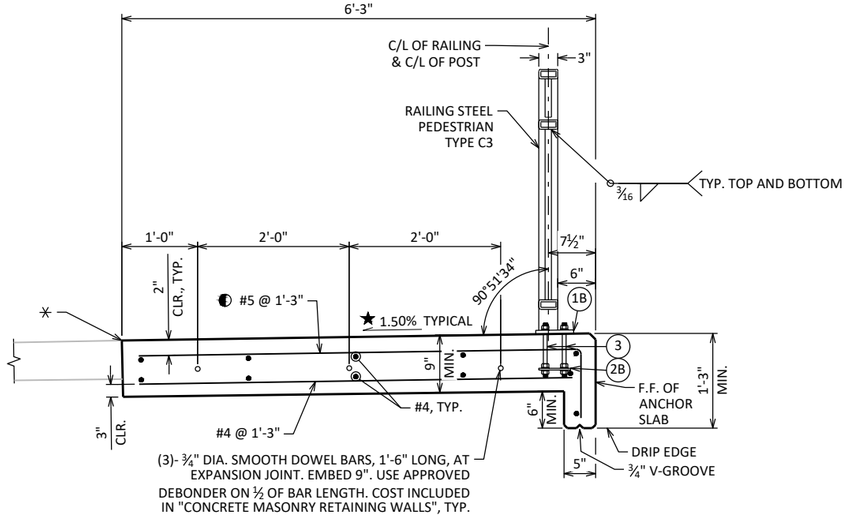
ANCHOR SLAB PLAN

PANEL LENGTH MEASURED ALONG R/L
RAILING NOT SHOWN FOR CLARITY



CAST-IN-PLACE ANCHOR SLAB PARTIAL ELEVATION

LOOKING AT F.F. OF WALL
RAILING NOT SHOWN FOR CLARITY

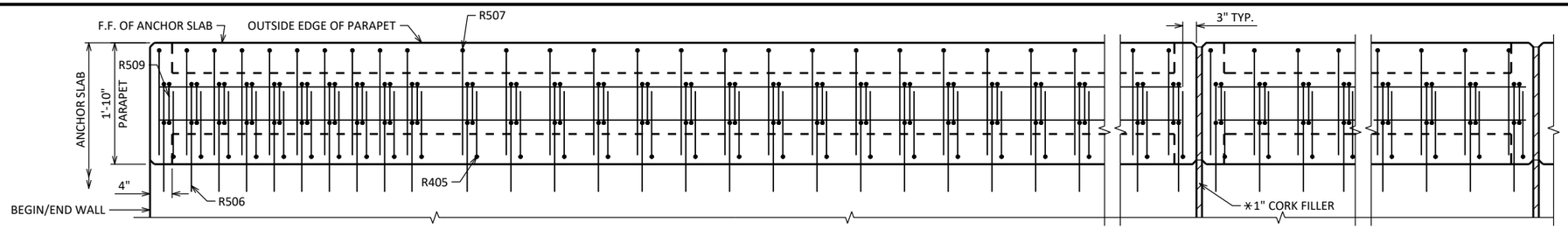


SECTION THRU CONCRETE ANCHOR SLAB

STA. 617+05.90 TO STA. 617+77.05 RT
STA. 618+15.60 TO STA. 619+90.00 RT
STA. 623+00.46 TO STA. 624+93.73 RT
STA. 633+89.68 TO STA. 634+67.16 RT
STA. 659+67.85 TO STA. 661+62.17 RT

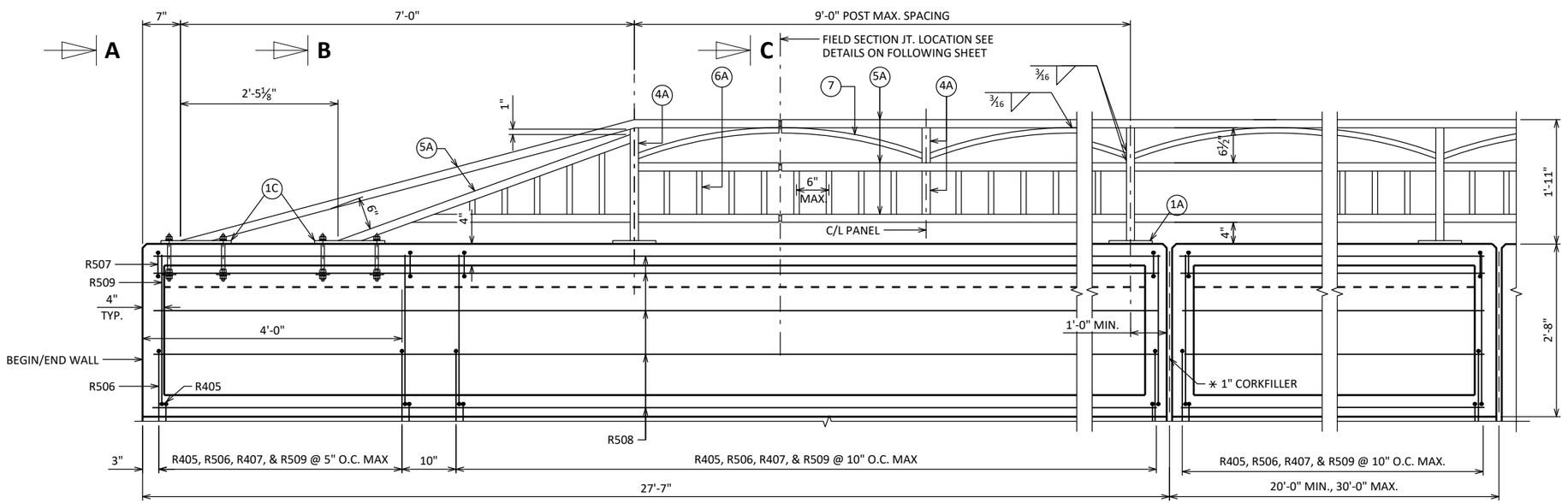
LEGEND

- ✳ SEAL ALL EXPOSED HORIZ. & VERT. SURFACES OF FILLER WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD ⅛" BELOW SURFACE OF CONC.)
- ■ ANCHOR SLAB EXPANSION JOINTS TO BE SPACED AT A MINIMUM OF 20' AND A MAXIMUM OF 30'. DO NOT RUN BAR STEEL THRU JOINT, EXCEPT FOR DOWEL BARS. JOINT TO EXTEND FULL DEPTH OF ANCHOR SLAB. ALL EXPANSION JOINTS MUST COINCIDE WITH A BLOCK JOINT ON THE FRONT FACE OF WALL.
- ◐ ADJUST REBAR VERTICAL LEG AS REQUIRED TO ACCOMMODATE WALL BLOCK GEOMETRY/STEPS TO MAINTAIN 2" CLEAR COVER.
- ▨ ANCHOR SLAB CONCRETE REQUIRED TO ACCOMMODATE WALL BLOCK GEOMETRY/STEPS SHALL BE INCIDENTAL TO BID ITEM "WALL MODULAR BLOCK GRAVITY LANDSCAPE L01-L05".
- ★ SLOPE VARIES AS REQUIRED FOR CURB RAMPS. SEE CURB RAMP DETAILS.



PLAN

RAILING NOT SHOWN FOR CLARITY



NOTES

ALL BAR STEEL SHALL BE EPOXY COATED.

LAP R403 A MINIMUM OF 1'-0".

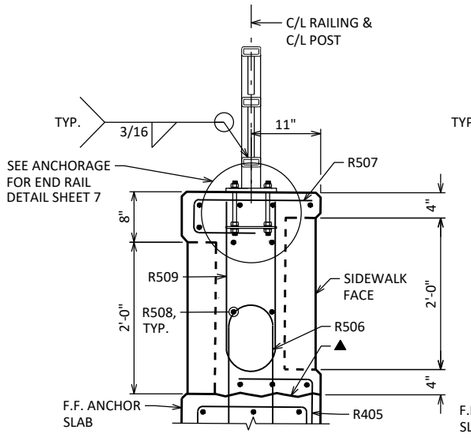
SEE FOLLOWING SHEET FOR RAILING MATERIAL PROPERTIES.

FORMLINER COURSING ON PARAPETS SHALL BE PARALLEL TO TOP OF PARAPET.

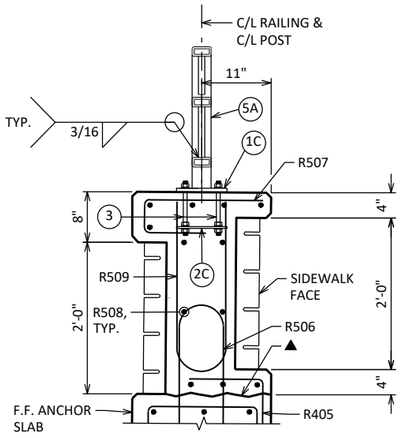
LEGEND

∗ SEAL ALL EXPOSED HORIZ. & VERT. SURFACES OF FILLER WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD ⅛" BELOW SURFACE OF CONC.)

▲ HORIZ. CONST. JOINT-STRIKE OFF AS SHOWN AND LEAVE.



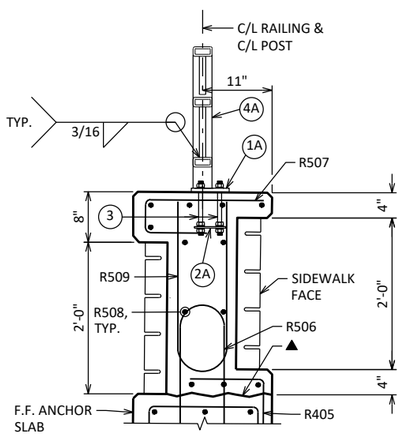
SECTION A-A



SECTION B-B

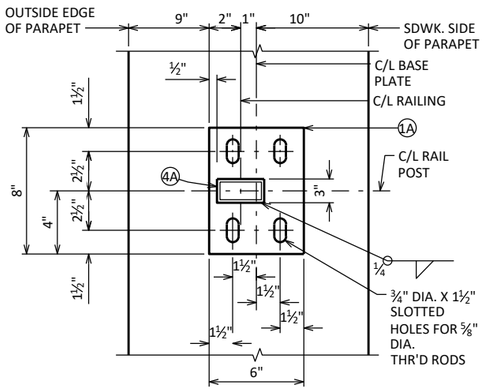
ELEVATION OF PARAPET

LOOKING AT INSIDE FACE OF PARAPET
OUTSIDE FACE SIMILAR

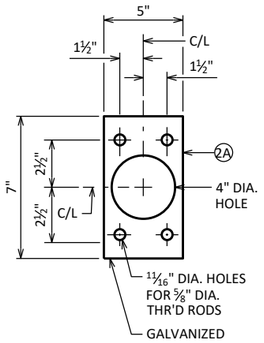


SECTION C-C

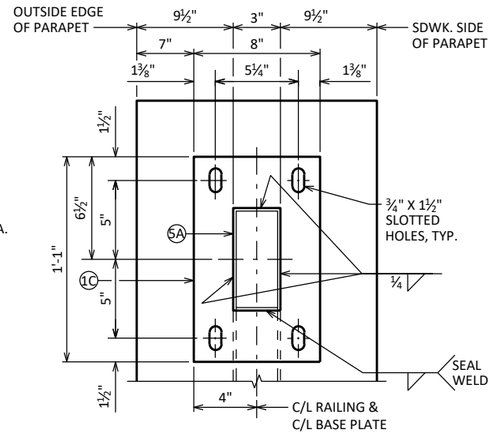
PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	CONSTRUCTION DETAILS: RAILING STEEL TYPE C3	SHEET 32	E



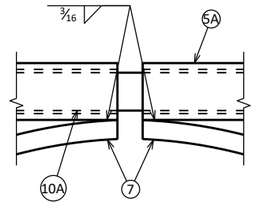
TYPICAL RAIL POST BASE PLATE



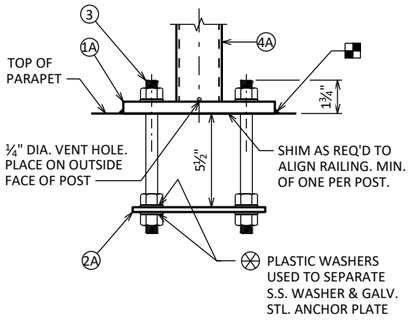
ANCHOR PLATE



END RAIL BASE PLATE

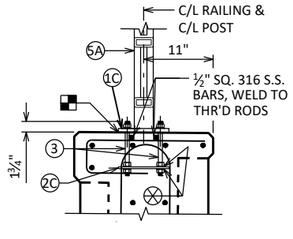


CURVED MEMBER JOINT DETAIL



ANCHORAGE FOR RAIL POSTS

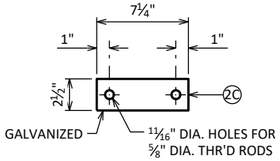
NOTE: ANCHOR PLATE NOT REQUIRED WHEN ADHESIVE ANCHORS ARE USED.



ANCHORAGE FOR END RAIL

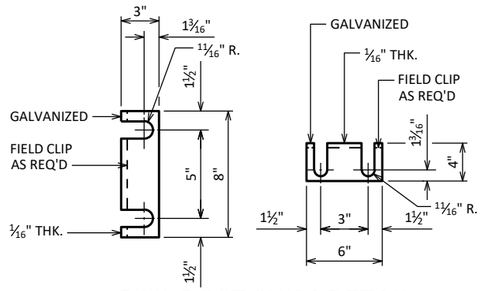
NOTE: ANCHOR PLATE NOT REQUIRED WHEN ADHESIVE ANCHORS ARE USED.

◐ WHEN ADHESIVE ANCHORS ARE USED, FIELD BEND AND/OR DISPLACE TO AVOID HITTING LONGITUDINAL BAR WHEN DRILLING FOR ADHESIVE ANCHORS.



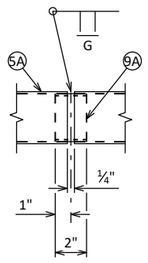
END RAIL ANCHOR PLATE

2 REQ'D. PER END RAIL BASE PLATE



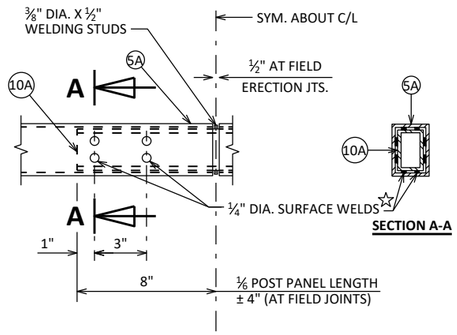
RAIL POST SHIM DETAIL

(2 SETS PER POST)



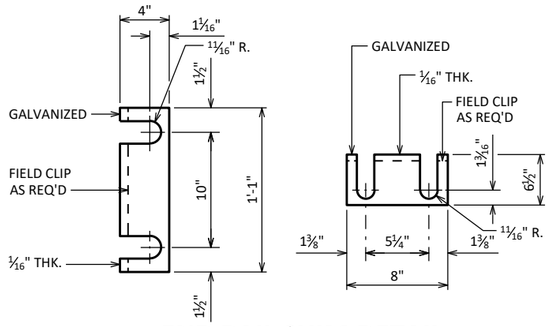
SHOP RAIL SPLICE DETAIL

(LOCATION MUST BE SHOWN ON SHOP DRAWINGS)



FIELD ERECTION JOINT DETAIL

☆ MIN. ⅝" FLAT SURFACE DIA. PUNCHINGS OR STUDS MAY BE USED AS AN ALTERNATE.



END RAIL SHIM DETAIL

(2 SETS PER POST)

LEGEND

- (1A) PLATE ⅝" X 6" X 8" WITH ¾" X 1½" SLOTTED HOLES.
- (1C) PLATE ⅝" X 8" X 1'-1" WITH ¾" X 1½" SLOTTED HOLES.
- (2A) ¼" X 5" X 7" ANCHOR PLATE WITH 1 1/16" DIA. HOLES FOR THR'D RODS NO. 3.
- (2C) ¼" X 2½" X 7¼" ANCHOR PLATE WITH 1 1/16" DIA. HOLES FOR THR'D RODS NO. 3.
- (3) ⅝" DIA. X 9" LONG, TYPE 316 STAINLESS STEEL THREADED RODS (MIN. TENSILE STRENGTH = 70 KSI) WITH NUT AND WASHERS OF SAME ALLOY GROUP. ALTERNATIVE ANCHORAGE: CONCRETE ADHESIVE ANCHORS ⅝-INCH. EMBED 7" IN CONCRETE FOR RAIL POSTS. EMBED 5" IN CONCRETE FOR END RAILS. ADHESIVE ANCHORS SHALL CONFORM TO SECTIONS 502.2.12 OF THE STANDARD SPECIFICATIONS.
- (4A) STRUCTURAL TUBING 3" X 1½" X 3/16". PLACE VERTICAL. WELD TO NO. 1 & 5.
- (5A) STRUCTURAL TUBING 3" X 1½" X 3/16" RAILS. WELD TO NO. 1 & NO. 4. INSIDE OF TUBE TO BE PAINTED AT ALL FIELD ERECTION & EXPANSION JOINTS.
- (6A) BAR 1" X 1" PICKETS. WELD TO NO. 5. PLACE VERTICAL.
- (7) BAR 1" X 1". BEND TO REQUIRED RADIUS. WELD TO NO. 4 & 5.
- (9A) RECTANGULAR SLEEVE FABRICATED FROM 3/16" PLATES. PROVIDE "SLIDING FIT".
- (10A) RECTANGULAR SLEEVE FABRICATED FROM 3/16" PLATES. (1'-4" @ FIELD ERECTION JTS.)

RAILING NOTES

BID ITEM SHALL BE "RAILING STEEL TYPE C3", WHICH SHALL INCLUDE ALL STEEL ITEMS SHOWN.

POST BASE PLATES SHALL BE FLAT WITH ALL SURFACES SMOOTH AND FREE FROM WARP AND ALL EDGES SMOOTH, STRAIGHT, AND VERTICAL. ALL PLATE CUTS SHALL BE MACHINE OR MACHINE FLAME CUT.

ALL PLATES, BARS, AND RECTANGULAR SLEEVES SHALL CONFORM TO ASTM A709 GRADE 36. ALL STRUCTURAL TUBING SHALL CONFORM TO ASTM A500 GRADE B.

ANCHORAGES SHALL BE ACCURATELY PLACED TO PROVIDE CORRECT ALIGNMENT OF RAILING. SET NORMAL TO GRADE.

CUT BOTTOM OF POST TO MAKE POST VERTICAL IN BOTH TRANSVERSE AND LONGITUDINAL DIRECTION.

STEEL SHIMS SHALL BE PROVIDED & USED UNDER BASE PLATES WHERE REQUIRED FOR ALIGNMENT, AND SHALL BE GALVANIZED.

■ CAULK AROUND PERIMETER OF BASE PLATES, NO. 1, AND FILL BOLT SLOT OPENINGS IN SHIMS AND BASE PLATES WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER.

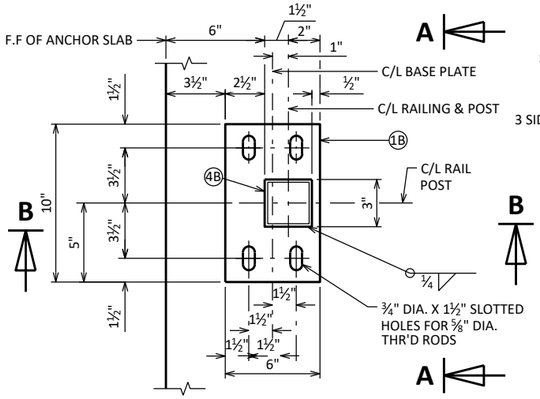
ALL JOINTS AND RECESSES IN CONCRETE PARAPET AND ANCHOR SLAB ARE TO BE VERTICAL.

ALL MATERIAL (EXCEPT NO. 3 & 12) SHALL BE GALVANIZED AFTER FABRICATION. PRIOR TO GALVANIZING, THE STEEL RAILING SHALL BE GIVEN A NO. 6 BLAST CLEANING PER SSPC SPECIFICATIONS. PAINT OVER GALVANIZING WITH AN APPROVED TIE COAT AND TOP COAT AS SPECIFIED IN THE CONTRACT DOCUMENTS. THE RAILING SHALL BE PAINTED AMS STD. COLOR NO. 27038 BLACK

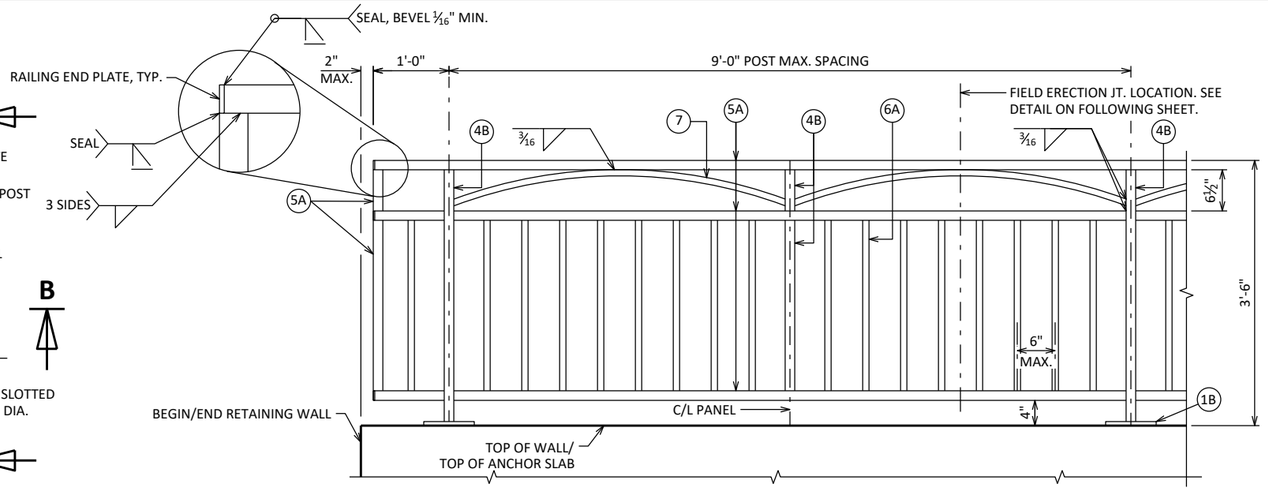
VENT HOLES SHALL BE DRILLED IN POST AND RAIL MEMBERS AS REQUIRED TO FACILITATE GALVANIZING AND DRAINAGE.

RAILING SHALL BE FABRICATED IN LENGTHS THAT INCLUDE 3 OR 4 POSTS.

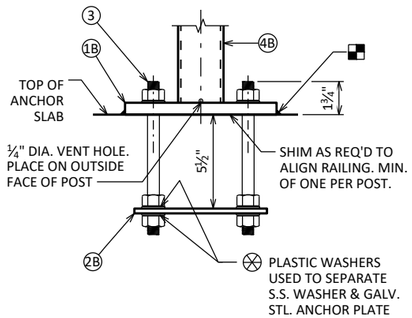
TOUCH-UP PAINTING TO BE DONE AT COMPLETION OF STEEL RAILING INSTALLATION TO THE SATISFACTION OF THE ENGINEER AT NO EXTRA COST.



TYPICAL RAIL POST BASE PLATE

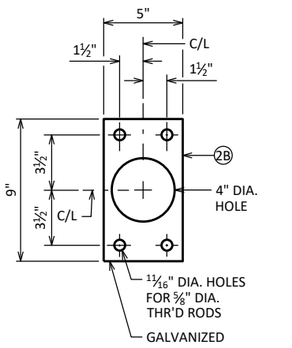


TYPE C3 PEDESTRIAN RAILING ELEVATION

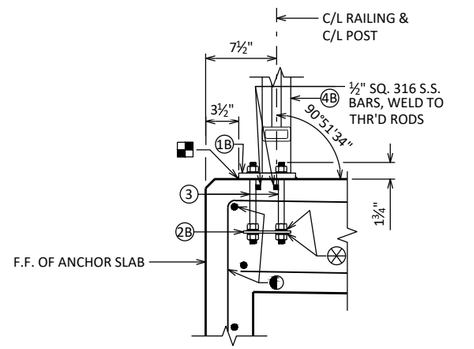


SECTION A-A

NOTE: ANCHOR PLATE NOT REQUIRED WHEN ADHESIVE ANCHORS ARE USED.



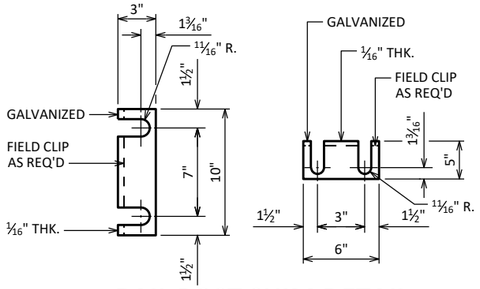
ANCHOR PLATE



SECTION B-B

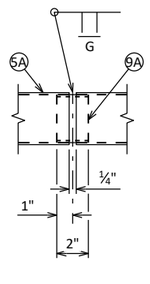
NOTE: ANCHOR PLATE & SQUARE BARS NOT REQUIRED WHEN ADHESIVE ANCHORS ARE USED.

◐ WHEN ADHESIVE ANCHORS ARE USED, FIELD BEND AND/OR DISPLACE TO AVOID HITTING LONGITUDINAL BAR WHEN DRILLING FOR ADHESIVE ANCHORS.



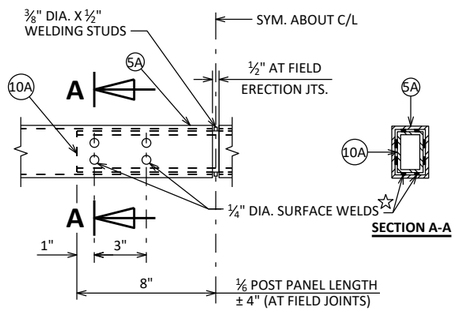
RAIL POST SHIM DETAIL

(2 SETS PER POST)



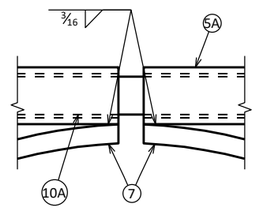
SHOP RAIL SPLICE DETAIL

(LOCATION MUST BE SHOWN ON SHOP DRAWINGS)



FIELD ERECTION JOINT DETAIL

☆ MIN. ⅝" FLAT SURFACE DIA. PUNCHINGS OR STUDS MAY BE USED AS AN ALTERNATE.



CURVED MEMBER JOINT DETAIL

LEGEND

(1B) PLATE ⅝" X 6" X 10" WITH ¾" X 1½" SLOTTED HOLES.

(2B) ¼" X 5" X 9" ANCHOR PLATE WITH 1 1/16" DIA. HOLES FOR THR'D RODS NO. 3.

(3) ⅝" DIA. X 9" LONG, TYPE 316 STAINLESS STEEL THREADED RODS (MIN. TENSILE STRENGTH = 70 KSI) WITH NUT AND WASHERS OF SAME ALLOY GROUP. ALTERNATIVE ANCHORAGE: CONCRETE ADHESIVE ANCHORS ⅝-INCH. EMBED 7" IN CONCRETE FOR RAIL POSTS. ADHESIVE ANCHORS SHALL CONFORM TO SECTIONS 502.2.12 OF THE STANDARD SPECIFICATIONS.

(4B) STRUCTURAL TUBING 3" X 3" X 3/16". PLACE VERTICAL. WELD TO NO. 1 & 5.

(5A) STRUCTURAL TUBING 3" X 1½" X 3/16" RAILS. WELD TO NO. 1 & NO. 4. INSIDE OF TUBE TO BE PAINTED AT ALL FIELD ERECTION & EXPANSION JOINTS.

(6A) BAR 1" X 1" PICKETS. WELD TO NO. 5. (SPACE AT 6" MAX. C/L TO C/L SPACING). PLACE VERTICAL.

(7) BAR 1" X 1". BEND TO REQUIRED RADIUS. WELD TO NO. 4 & 5.

(9A) RECTANGULAR SLEEVE FABRICATED FROM 3/16" PLATES. PROVIDE "SLIDING FIT".

(10A) RECTANGULAR SLEEVE FABRICATED FROM 3/16" PLATES. (1'-4" @ FIELD ERECTION JTS.)

RAILING NOTES

BID ITEM SHALL BE "RAILING STEEL PEDESTRIAN TYPE C3", WHICH SHALL INCLUDE ALL STEEL ITEMS & PLASTIC WASHERS SHOWN.

POST BASE PLATES SHALL BE FLAT WITH ALL SURFACES SMOOTH AND FREE FROM WARP AND ALL EDGES SMOOTH, STRAIGHT, AND VERTICAL. ALL PLATE CUTS SHALL BE MACHINE OR MACHINE FLAME CUT.

ALL PLATES, BARS, AND RECTANGULAR SLEEVES SHALL CONFORM TO ASTM A709 GRADE 36. ALL STRUCTURAL TUBING SHALL CONFORM TO ASTM A500 GRADE B.

ANCHORAGES SHALL BE ACCURATELY PLACED TO PROVIDE CORRECT ALIGNMENT OF RAILING. SET NORMAL TO GRADE.

CUT BOTTOM OF POST TO MAKE POST VERTICAL IN BOTH TRANSVERSE AND LONGITUDINAL DIRECTION.

STEEL SHIMS SHALL BE PROVIDED & USED UNDER BASE PLATES WHERE REQUIRED FOR ALIGNMENT, AND SHALL BE GALVANIZED.

◪ CAULK AROUND PERIMETER OF BASE PLATES, NO. 1, AND FILL BOLT SLOT OPENINGS IN SHIMS AND BASE PLATES WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER.

ALL JOINTS AND RECESSES IN CONCRETE PARAPET ARE TO BE VERTICAL.

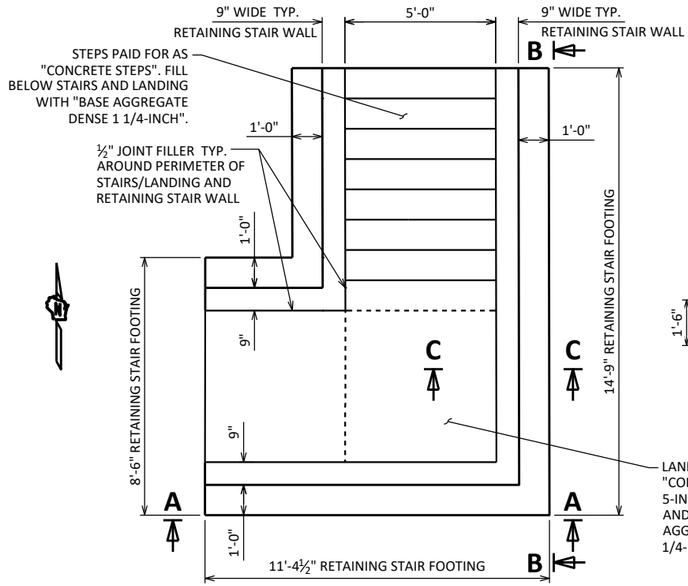
ALL MATERIAL (EXCEPT NO. 3) SHALL BE GALVANIZED AFTER FABRICATION. PRIOR TO GALVANIZING, THE STEEL RAILING SHALL BE GIVEN A NO. 6 BLAST CLEANING PER SSPC SPECIFICATIONS. PAINT OVER GALVANIZING WITH AN APPROVED TIE COAT AND TOP COAT AS SPECIFIED IN THE CONTRACT DOCUMENTS. THE RAILING SHALL BE PAINTED AMS STD. COLOR NO. 27038 (BLACK).

VENT HOLES SHALL BE DRILLED IN POST AND RAIL MEMBERS AS REQUIRED TO FACILITATE GALVANIZING AND DRAINAGE.

RAILING SHALL BE FABRICATED IN LENGTHS THAT INCLUDE 3 OR 4 POSTS.

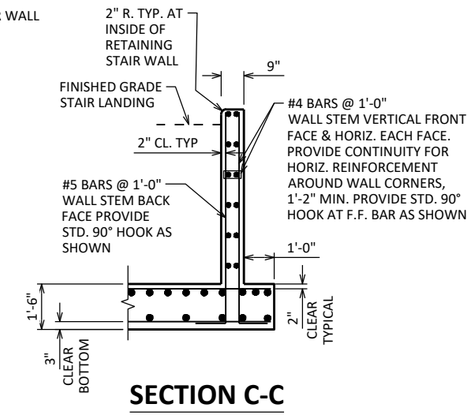
TOUCH-UP PAINTING TO BE DONE AT COMPLETION OF STEEL RAILING INSTALLATION TO THE SATISFACTION OF THE ENGINEER AT NO EXTRA COST.

2

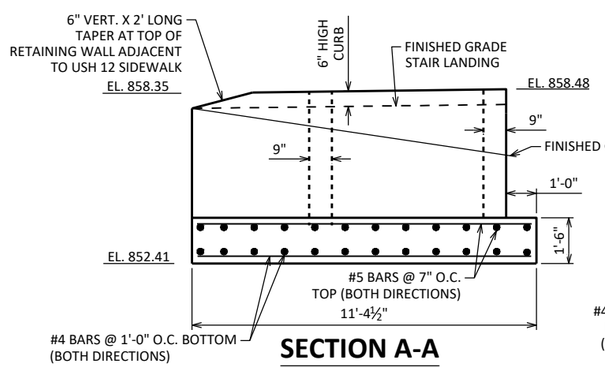


STAIR PLAN

STA. 663+25

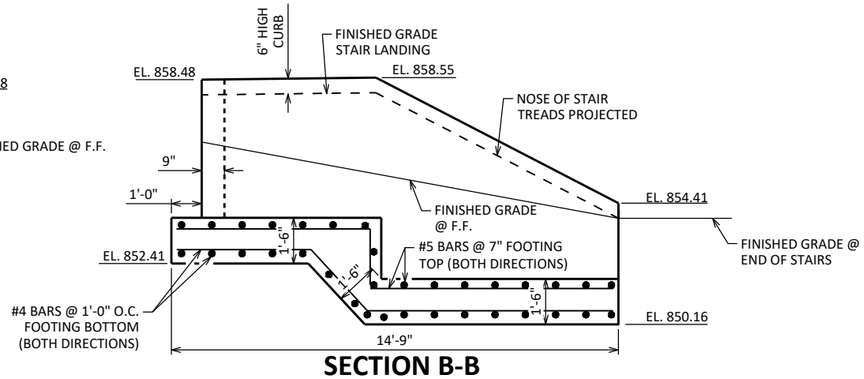


SECTION C-C



SECTION A-A

WALL STEM REINFORCEMENT NOT SHOWN FOR CLARITY



SECTION B-B

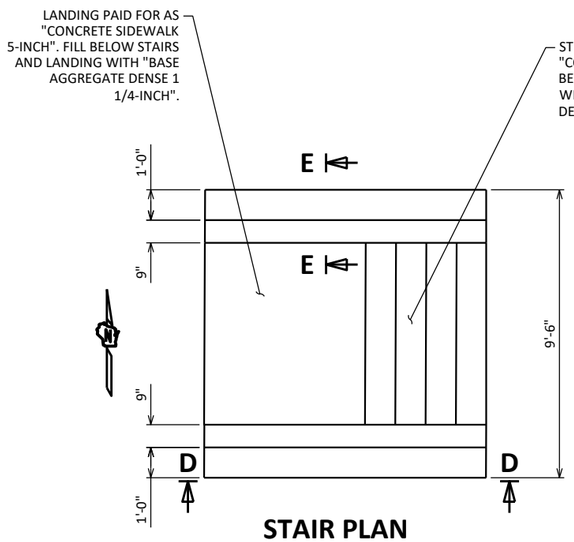
WALL STEM REINFORCEMENT NOT SHOWN FOR CLARITY

#4 BAR MIN. LAP. = 1'-2"
#5 BAR MIN. LAP = 1'-5"

PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	CONSTRUCTION DETAILS: CONCRETE STAIR	SHEET 35	E

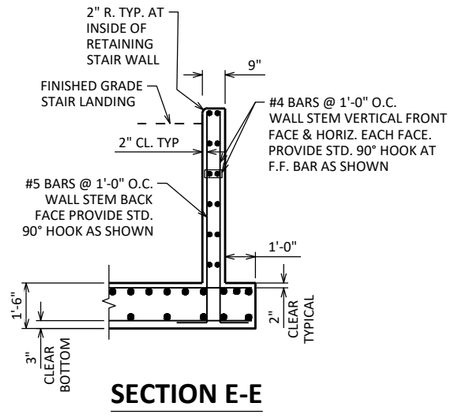
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LAYOUT NAME - 021012_cd
PLOT DATE : 9/15/2015 4:01 PM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 5.00
WISDOT/CADDS SHEET 42

2

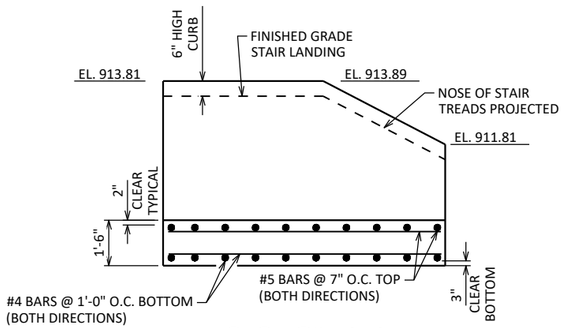


STAIR PLAN

STA. 634+50



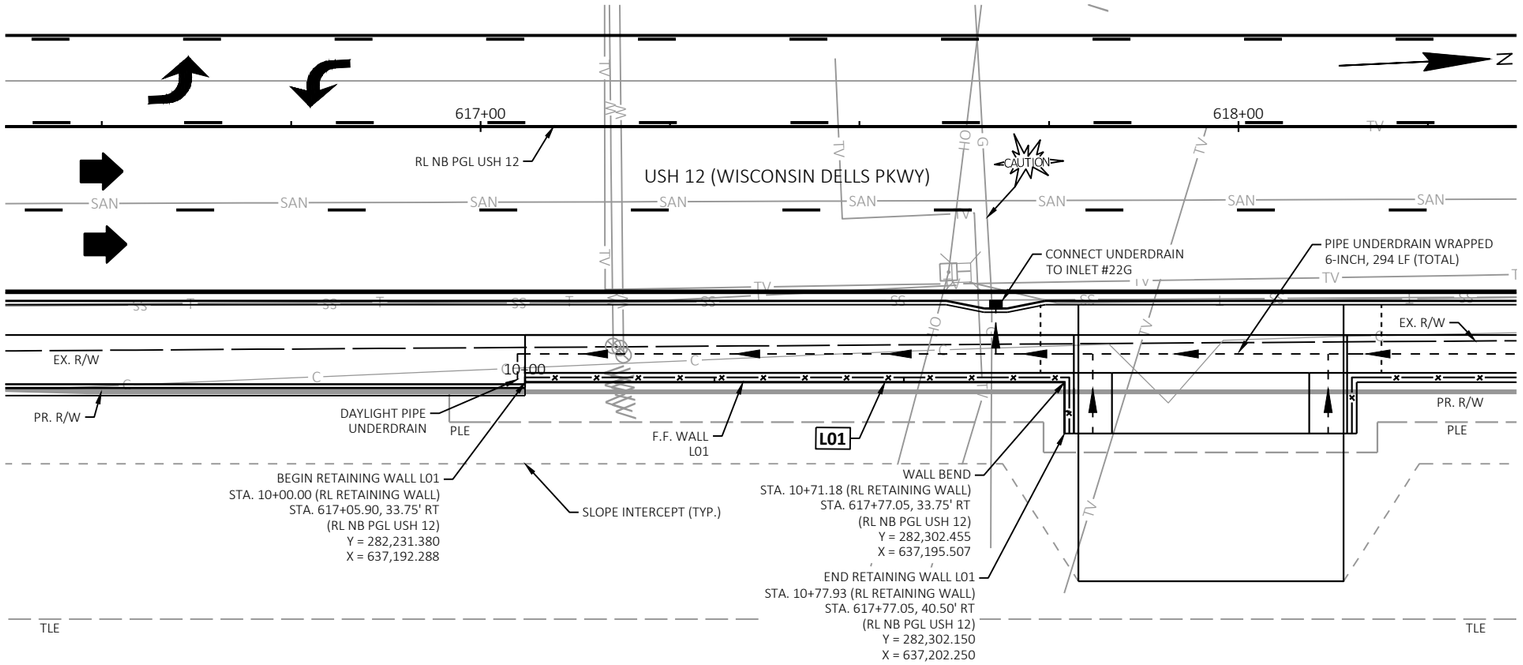
SECTION E-E



SECTION D-D

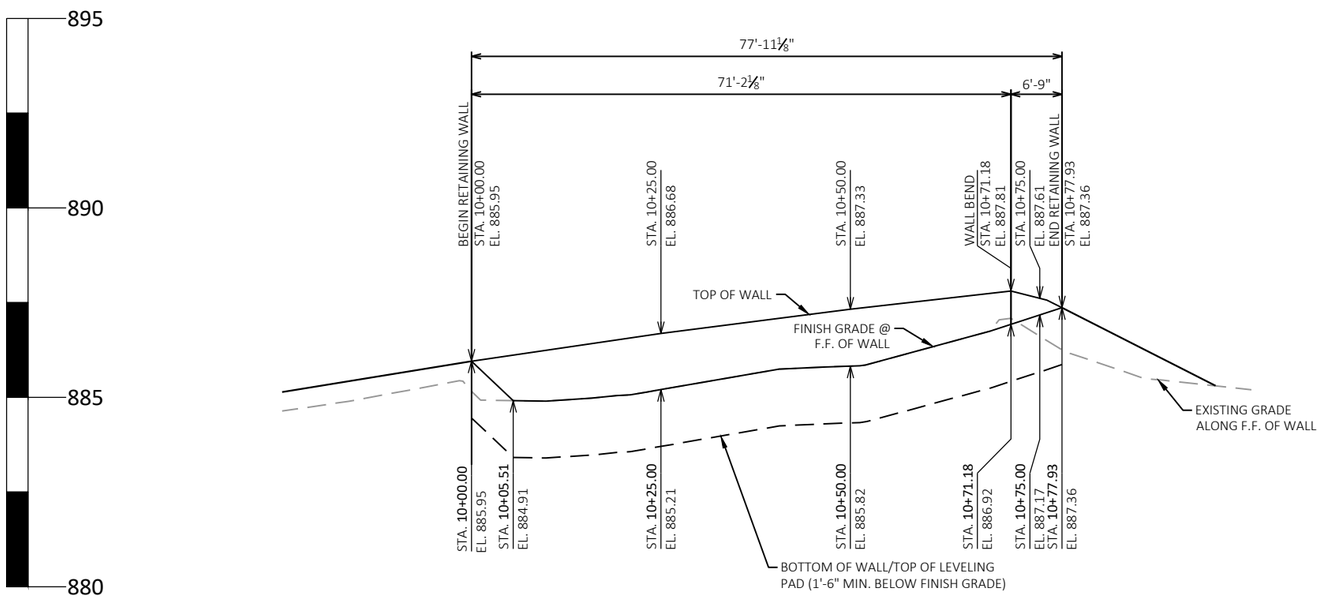
WALL STEM REINFORCEMENT NOT SHOWN FOR CLARITY

#4 BAR MIN. LAP. = 1'-2"
#5 BAR MIN. LAP = 1'-5"



PLAN

GRAVITY WALL WITH WET CAST BLOCK FACING



ELEVATION

LOOKING WEST (DIMENSIONS AND STATIONS GIVEN ALONG FRONT FACE OF WALL)

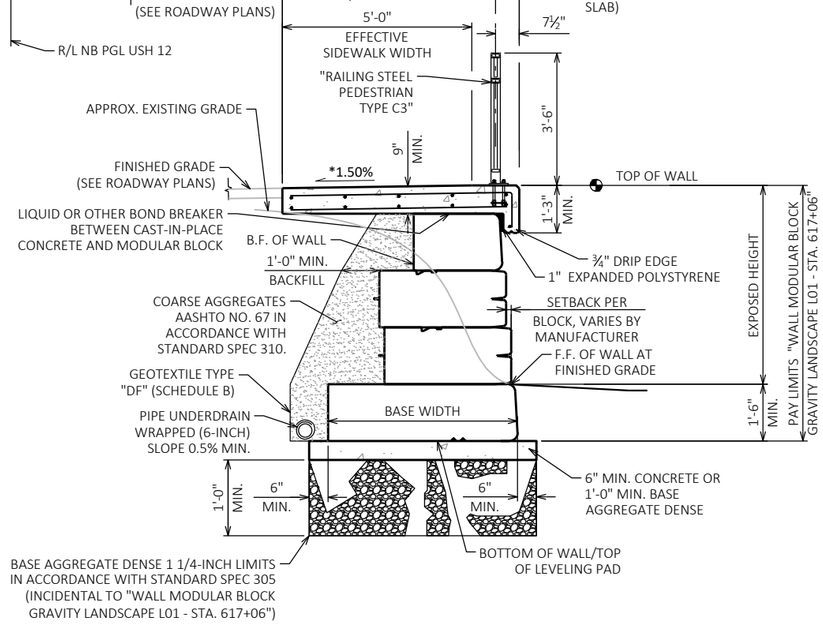
PRECAST MODULAR BLOCK TEXTURE SHALL BE COORDINATED WITH AND SELECTED BY THE VILLAGE OF LAKE DELTON FROM MANUFACTURER'S OPTIONS.

THE MAXIMUM VALUE OF THE ANGLE OF INTERNAL FRICTION OF THE WALL BACKFILL MATERIAL SHALL BE ASSUMED TO BE 30° WITHOUT CERTIFIED TEST VALUES.

PLANS, DIMENSIONS AND QUANTITIES ARE BASED ON AN ASSUMED MODULAR BLOCK DEPTH OF 18 INCHES.

PROTECTIVE SURFACE TREATMENT TO BE APPLIED TO TOP OF EXPOSED ANCHOR SLAB (STA. 10+00.00 TO STA. 10+77.93).

SOIL PARAMETERS		
WALL BACKFILL	UNIT WEIGHT (PCF)	120
	FRICTION ANGLE (DEG)	30
	COHESION (PSF)	0



* 1.50% TYP. VARIES
STA. 10+71.18 TO STA. 10+77.93

WALL TYPICAL SECTION

GRAVITY WALL WITH WET CAST BLOCK FACING

PROJECT NO: 6145-01-73	HWY: USH 12	COUNTY: SAUK	CONSTRUCTION DETAILS: RETAINING WALL L01	SHEET 37	E

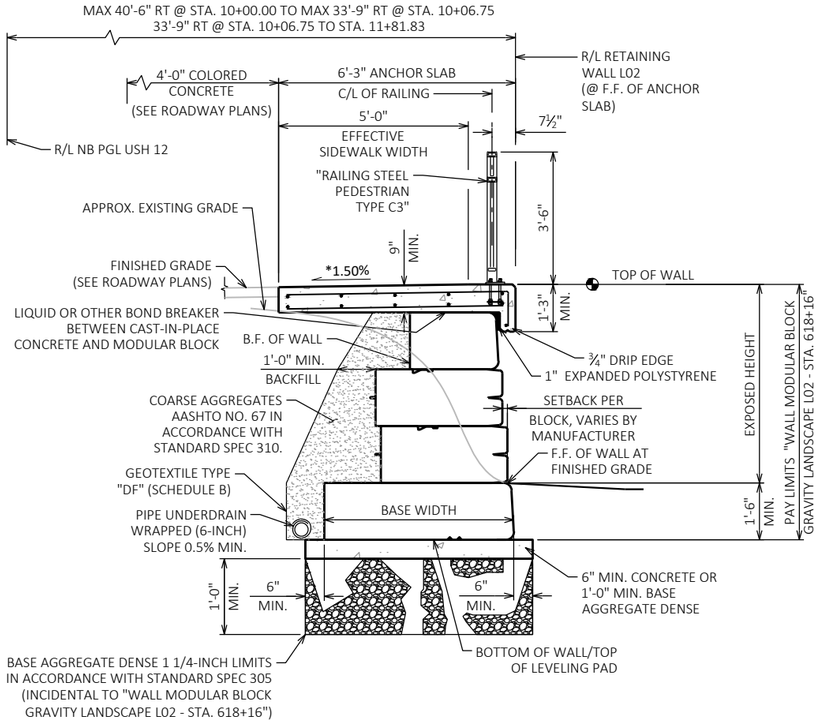
PRECAST MODULAR BLOCK TEXTURE SHALL BE COORDINATED WITH AND SELECTED BY THE VILLAGE FROM MANUFACTURER'S OPTIONS.

THE MAXIMUM VALUE OF THE ANGLE OF INTERNAL FRICTION OF THE WALL BACKFILL MATERIAL SHALL BE ASSUMED TO BE 30° WITHOUT CERTIFIED TEST VALUES.

PLANS, DIMENSIONS AND QUANTITIES ARE BASED ON AN ASSUMED MODULAR BLOCK DEPTH OF 18 INCHES.

PROTECTIVE SURFACE TREATMENT TO BE APPLIED TO TOP OF EXPOSED ANCHOR SLAB (STA. 10+00.00 TO STA. 11+81.83).

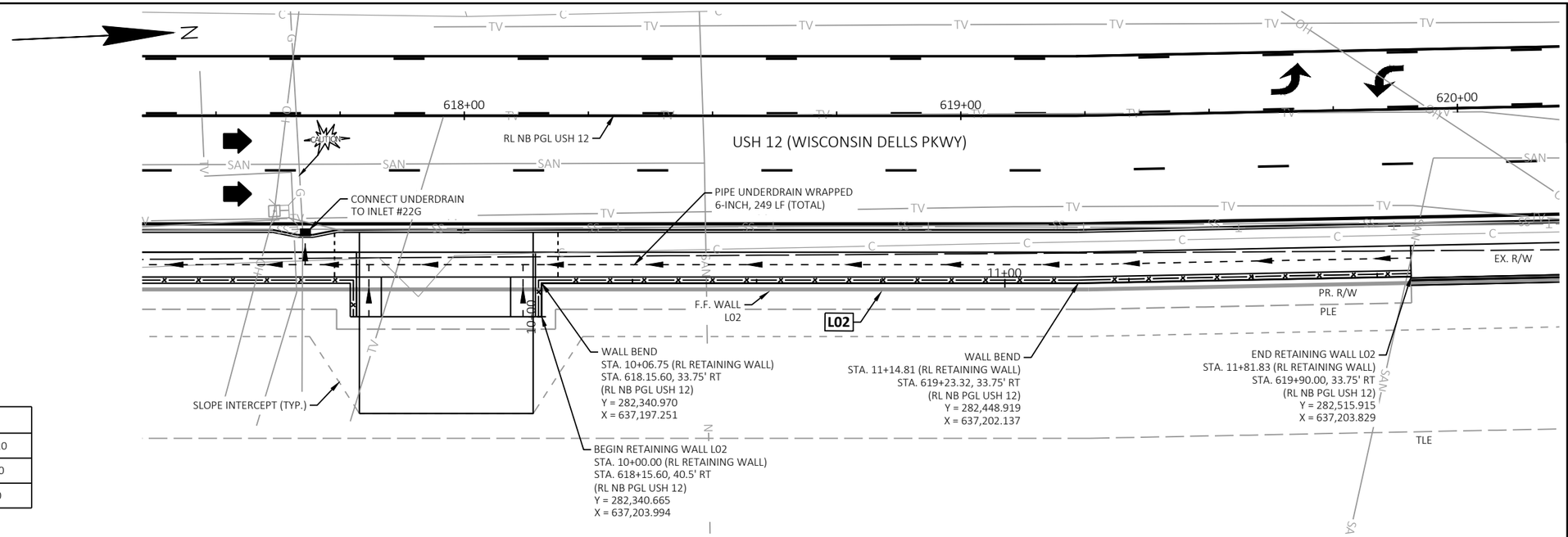
SOIL PARAMETERS		
WALL BACKFILL	UNIT WEIGHT (PCF)	120
	FRICTION ANGLE (DEG)	30
	COHESION (PSF)	0



WALL TYPICAL SECTION

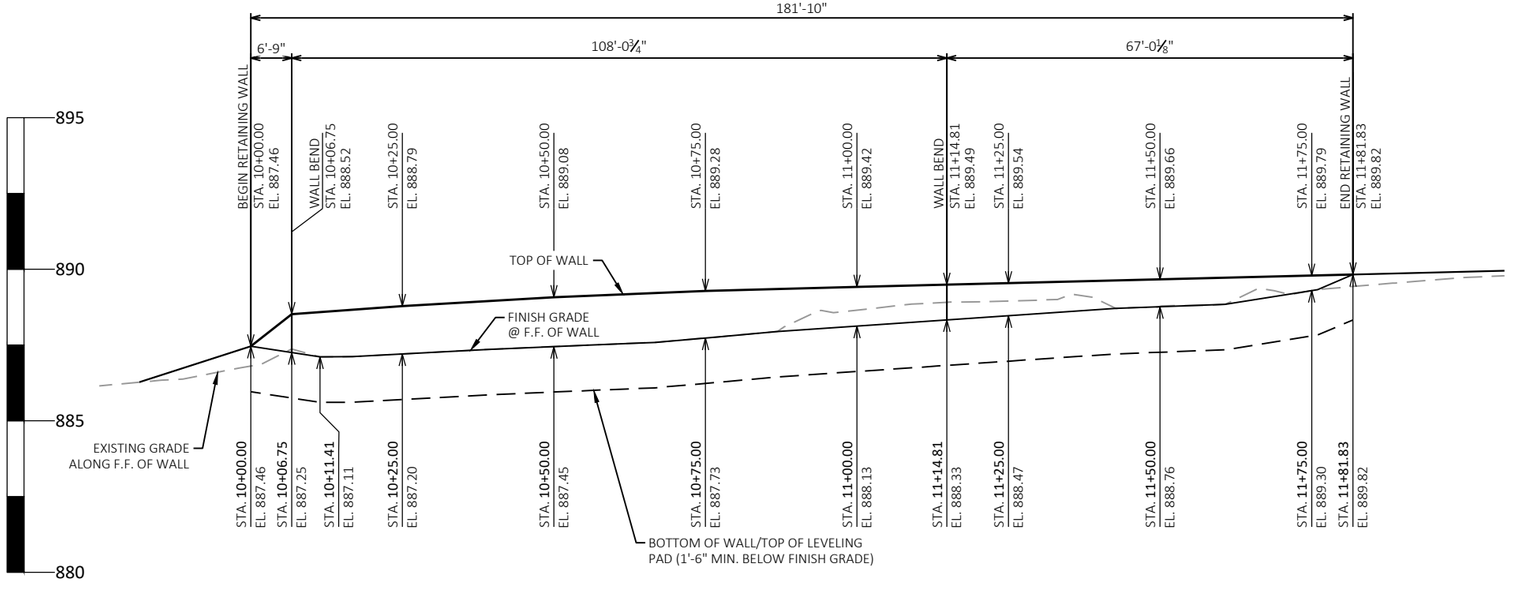
GRAVITY WALL WITH WET CAST BLOCK FACING

* 1.50% TYP. VARIES
STA. 10+00.00 TO STA. 10+09.75



PLAN

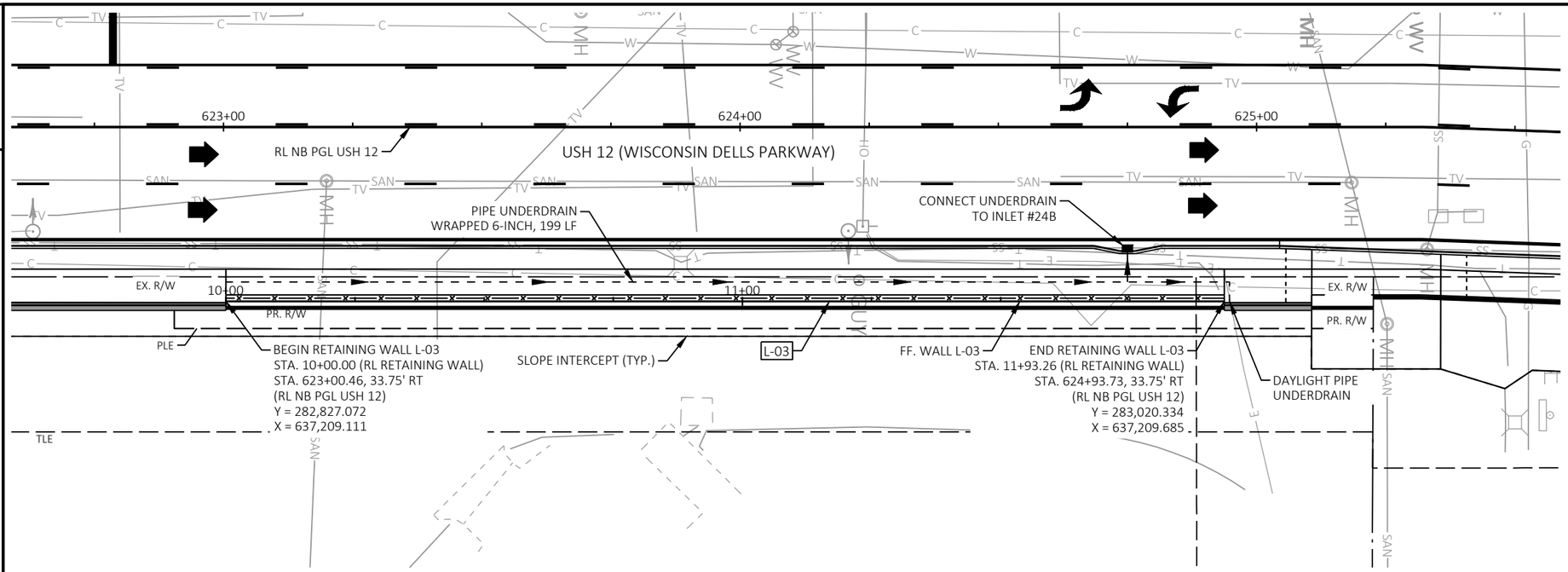
GRAVITY WALL WITH WET CAST BLOCK FACING



ELEVATION

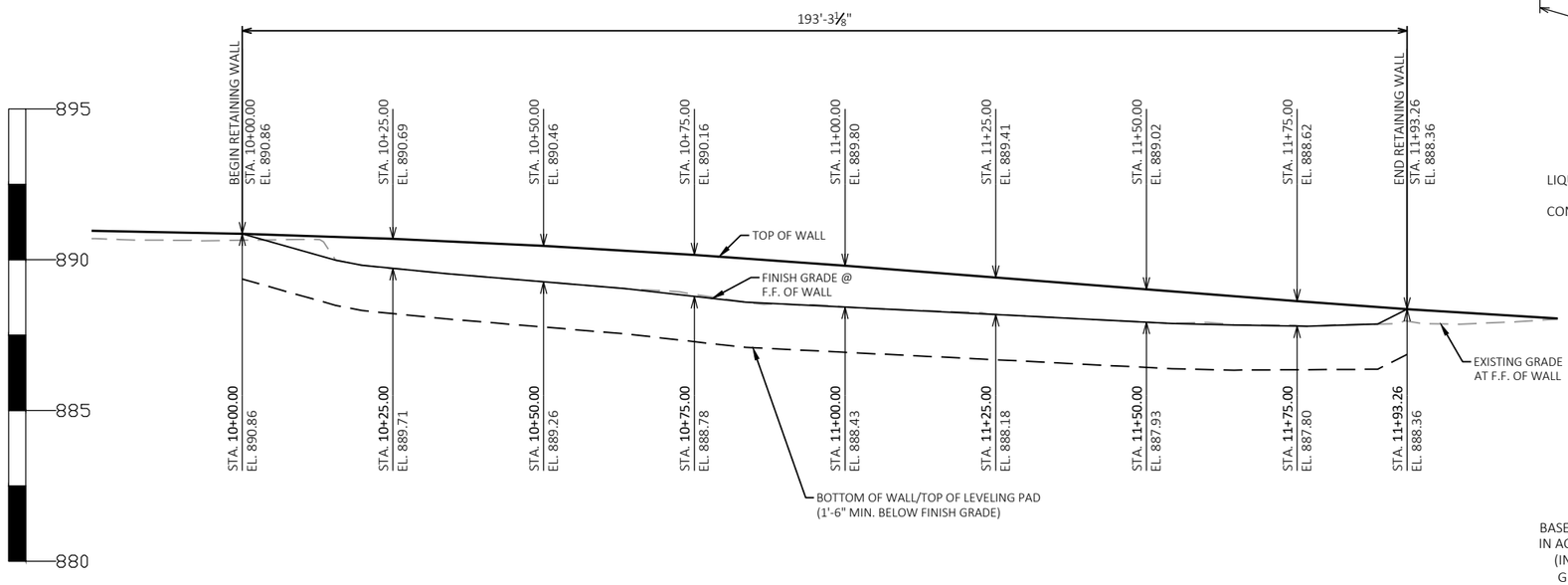
LOOKING WEST (DIMENSIONS AND STATIONS GIVEN ALONG FRONT FACE OF WALL)

PROJECT NO: 6145-01-73	HWY: USH 12	COUNTY: SAUK	CONSTRUCTION DETAILS: RETAINING WALL L02	SHEET 38	E



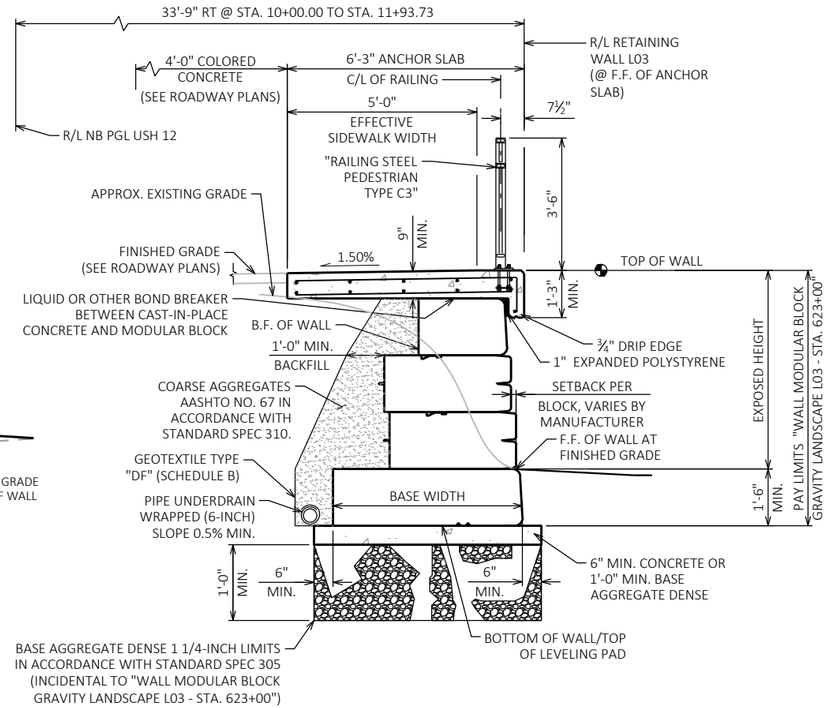
PLAN

GRAVITY WALL WITH WET CAST BLOCK FACING



ELEVATION

LOOKING WEST (DIMENSIONS AND STATIONS GIVEN ALONG FRONT FACE OF WALL)



WALL TYPICAL SECTION

GRAVITY WALL WITH WET CAST BLOCK FACING

PRECAST MODULAR BLOCK TEXTURE SHALL BE COORDINATED WITH AND SELECTED BY THE VILLAGE FROM MANUFACTURER'S OPTIONS.

THE MAXIMUM VALUE OF THE ANGLE OF INTERNAL FRICTION OF THE WALL BACKFILL MATERIAL SHALL BE ASSUMED TO BE 30° WITHOUT CERTIFIED TEST VALUES.

PLANS, DIMENSIONS AND QUANTITIES ARE BASED ON AN ASSUMED MODULAR BLOCK DEPTH OF 18 INCHES.

PROTECTIVE SURFACE TREATMENT TO BE APPLIED TO TOP OF EXPOSED ANCHOR SLAB (STA. 10+00.00 TO STA. 11+93.73).

SOIL PARAMETERS		
WALL BACKFILL	UNIT WEIGHT (PCF)	120
	FRICTION ANGLE (DEG)	30
	COHESION (PSF)	0

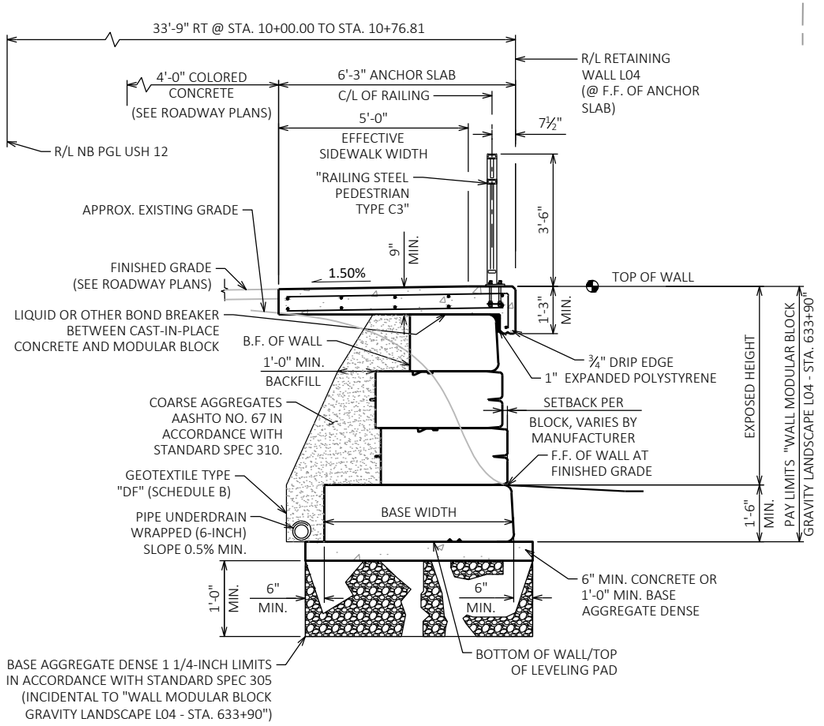
PRECAST MODULAR BLOCK TEXTURE SHALL BE COORDINATED WITH AND SELECTED BY THE VILLAGE FROM MANUFACTURER'S OPTIONS.

THE MAXIMUM VALUE OF THE ANGLE OF INTERNAL FRICTION OF THE WALL BACKFILL MATERIAL SHALL BE ASSUMED TO BE 30° WITHOUT CERTIFIED TEST VALUES.

PLANS, DIMENSIONS AND QUANTITIES ARE BASED ON AN ASSUMED MODULAR BLOCK DEPTH OF 18 INCHES.

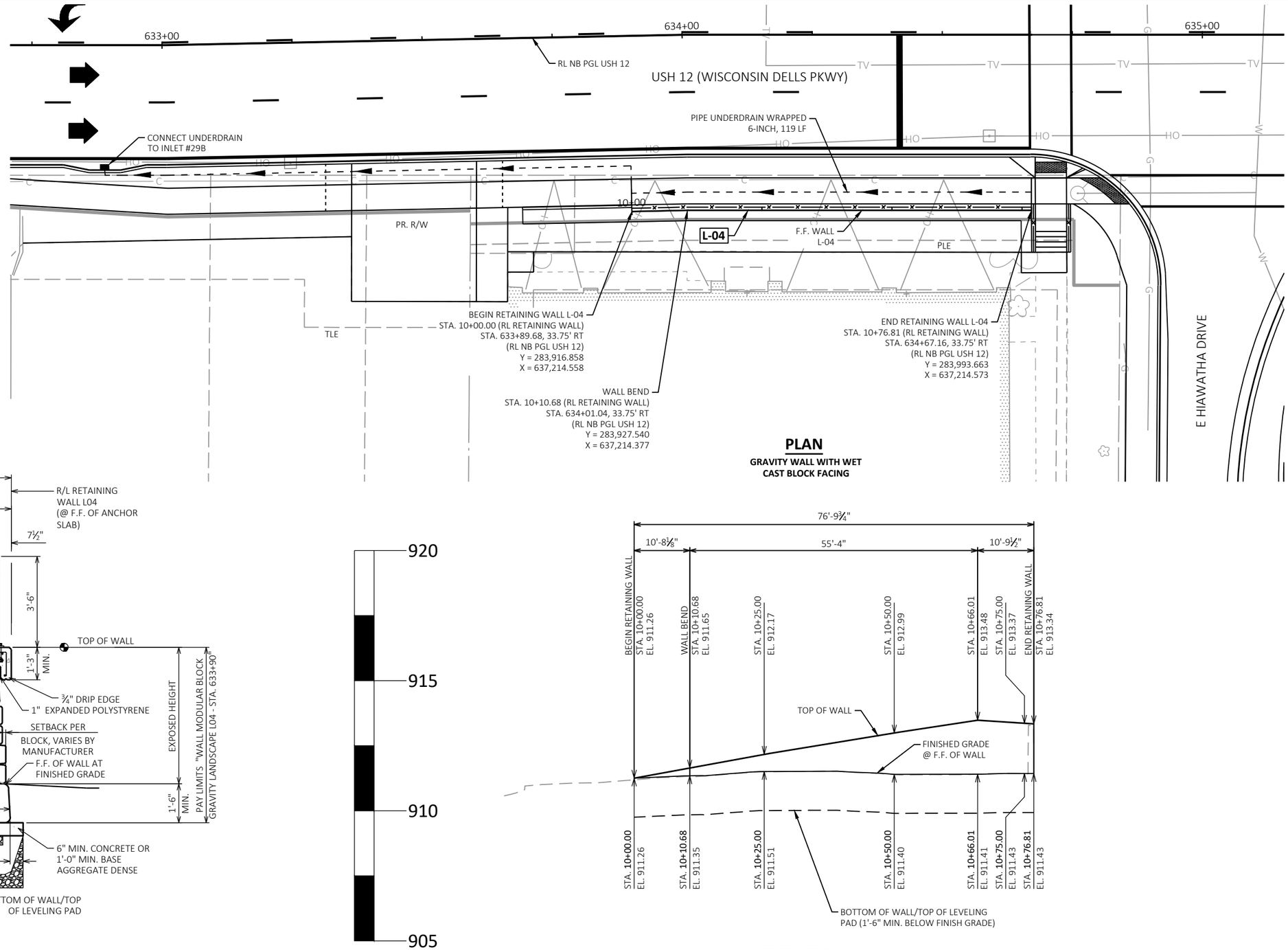
PROTECTIVE SURFACE TREATMENT TO BE APPLIED TO TOP OF EXPOSED ANCHOR SLAB (STA. 10+00.00 TO STA. 10+76.81).

SOIL PARAMETERS		
WALL BACKFILL	UNIT WEIGHT (PCF)	120
	FRICTION ANGLE (DEG)	30
	COHESION (PSF)	0



WALL TYPICAL SECTION

GRAVITY WALL WITH WET CAST BLOCK FACING



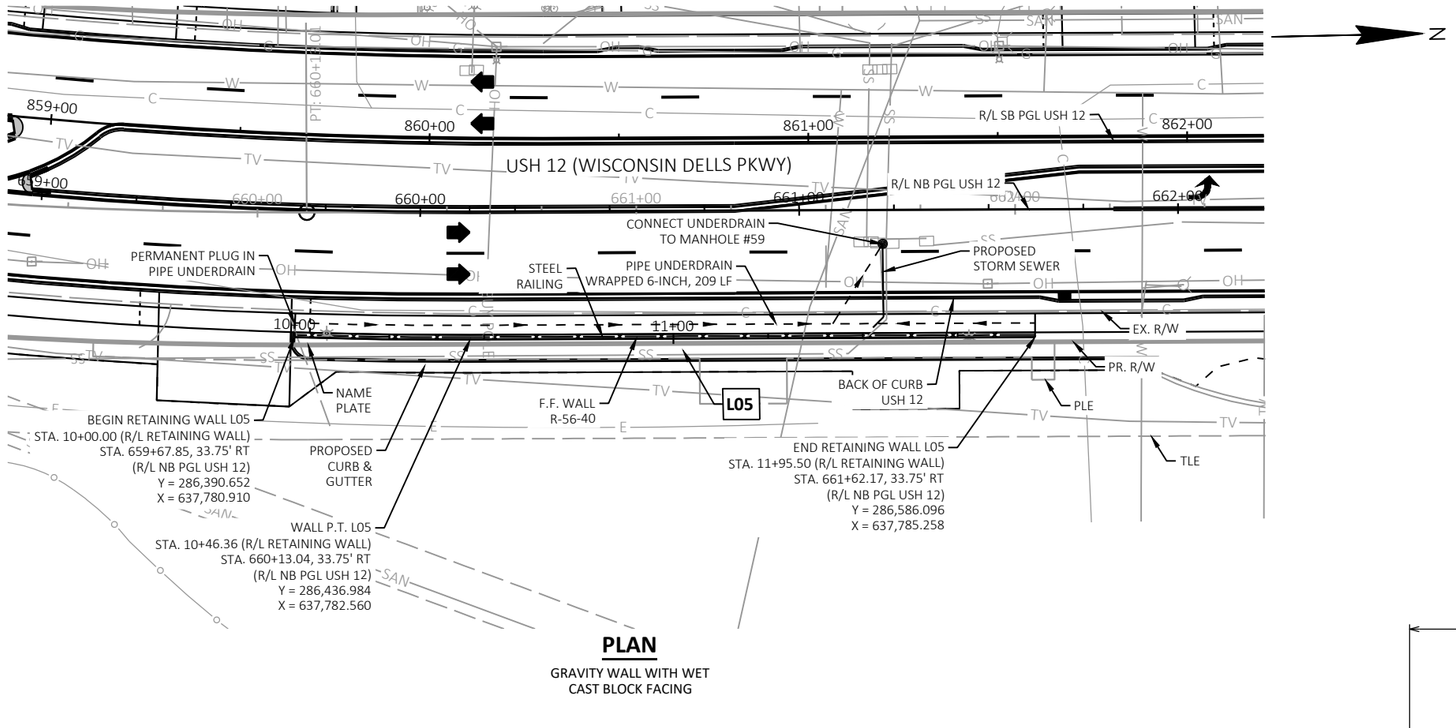
PLAN

GRAVITY WALL WITH WET CAST BLOCK FACING

ELEVATION

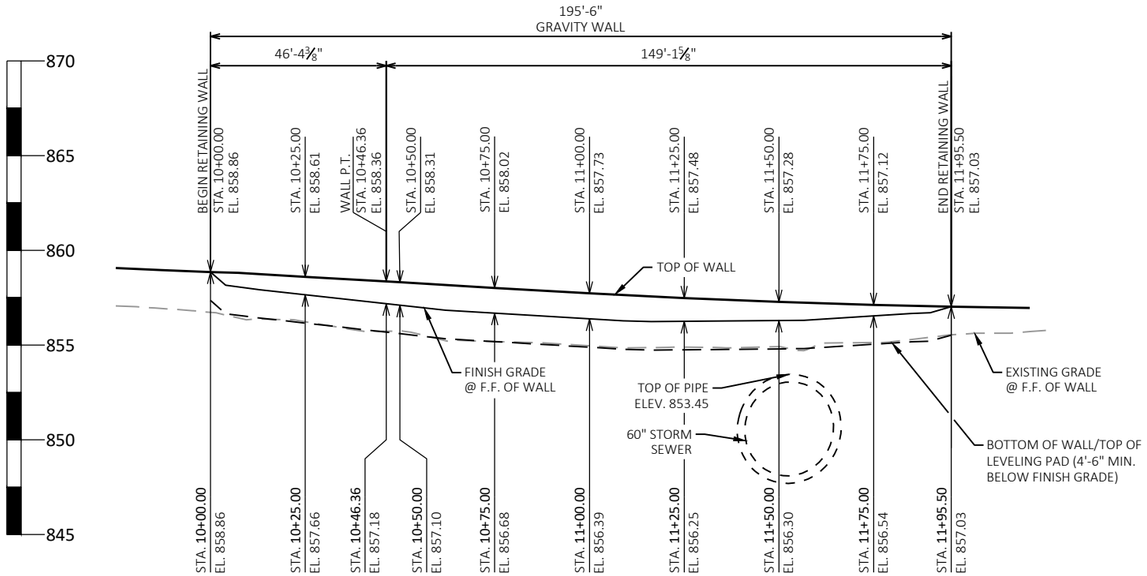
LOOKING WEST (DIMENSIONS AND STATIONS GIVEN ALONG FRONT FACE OF WALL)

PROJECT NO: 6145-01-73	HWY: USH 12	COUNTY: SAUK	CONSTRUCTION DETAILS: RETAINING WALL L04	SHEET 40	E



PLAN

GRAVITY WALL WITH WET CAST BLOCK FACING



ELEVATION

LOOKING WEST

(DIMENSIONS AND STATIONS GIVEN ALONG R/L OF WALL)

PRECAST MODULAR BLOCK TEXTURE SHALL BE COORDINATED WITH AND SELECTED BY THE VILLAGE FROM MANUFACTURER'S OPTIONS.

THE MAXIMUM VALUE OF THE ANGLE OF INTERNAL FRICTION OF THE WALL BACKFILL MATERIAL SHALL BE ASSUMED TO BE 30° WITHOUT CERTIFIED TEST VALUES.

PLANS, DIMENSIONS AND QUANTITIES ARE BASED ON AN ASSUMED MODULAR BLOCK DEPTH OF 18 INCHES.

PROTECTIVE SURFACE TREATMENT TO BE APPLIED TO TOP OF EXPOSED ANCHOR SLAB (STA. 10+00.00 TO STA. 11+95.50).

SOIL PARAMETERS		
WALL BACKFILL	UNIT WEIGHT (PCF)	120
	FRICTION ANGLE (DEG)	30
	COHESION (PSF)	0

WALL TYPICAL SECTION

GRAVITY WALL WITH WET CAST BLOCK FACING

PROJECT NO: 6145-01-72	HWY: USH 12	COUNTY: SAUK	CONSTRUCTION DETAILS: RETAINING WALL L05	SHEET : 41	E

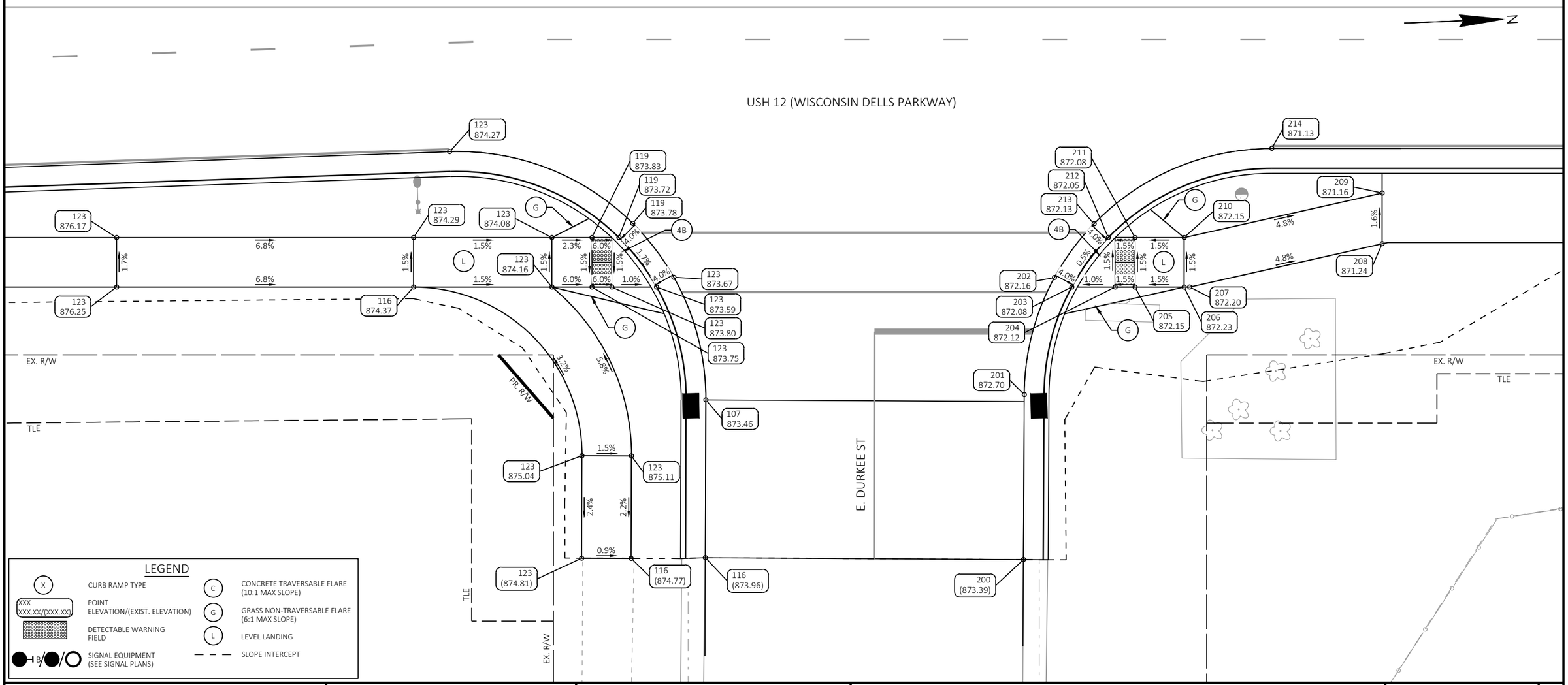
E. Durkee SE					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
107	608+25.74	47.40' RT	873.46	281351.98	637164.41
116	608+25.70	63.35' RT	873.96	281351.32	637180.35
116	607+94.97	35.53' RT	874.37	281322.92	637151.89
116	608+18.19	63.41' RT	874.77	281343.82	637180.12
119	608+16.95	31.00' RT	873.72	281343.83	637147.69
119	608+18.36	29.58' RT	873.78	281345.29	637146.32
119	608+14.24	31.00' RT	873.83	281341.11	637147.58
123	608+20.77	36.00' RT	873.59	281347.45	637152.83
123	608+22.51	35.02' RT	873.67	281349.22	637151.91
123	608+14.24	36.00' RT	873.75	281340.92	637152.58

E. Durkee SE					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
123	608+16.24	36.00' RT	873.80	281342.92	637152.66
123	608+10.19	31.00' RT	874.08	281337.07	637147.43
123	608+10.19	36.00' RT	874.16	281336.88	637152.42
123	607+99.09	22.00' RT	874.27	281327.09	637138.37
123	607+95.15	30.53' RT	874.29	281323.12	637146.89
123	608+13.19	63.40' RT	874.81	281338.83	637179.91
123	608+13.23	53.05' RT	875.04	281339.26	637169.58
123	608+18.23	53.07' RT	875.11	281344.25	637169.79
123	607+65.17	29.48' RT	876.17	281293.14	637145.74
123	607+64.99	34.48' RT	876.25	281292.95	637150.73

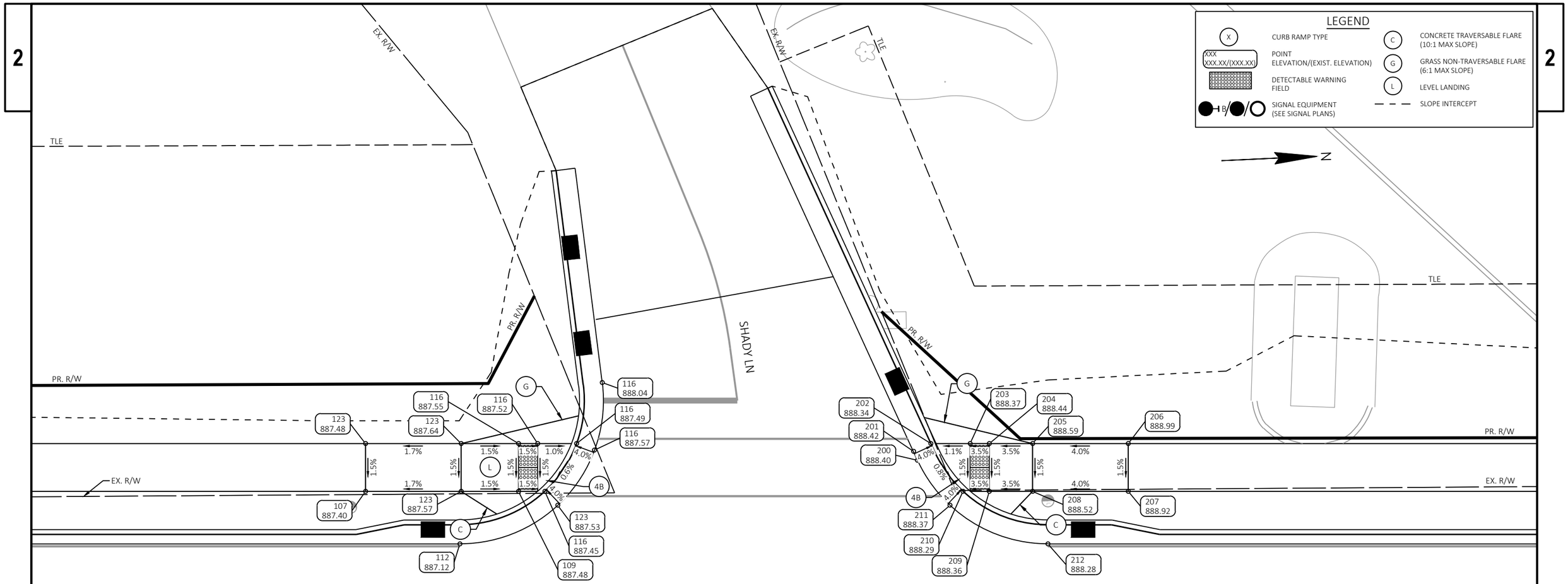
E. Durkee NE					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
200	608+57.82	63.53' RT	873.39	281383.42	637181.77
201	608+57.91	46.86' RT	872.70	281384.15	637165.11
202	608+60.96	35.04' RT	872.16	281387.64	637153.42
203	608+62.71	36.00' RT	872.08	281389.36	637154.44
204	608+67.09	36.00' RT	872.12	281393.74	637154.61
205	608+69.09	36.00' RT	872.15	281395.74	637154.69
206	608+74.05	36.00' RT	872.23	281400.69	637154.88
207	608+74.62	36.00' RT	872.20	281401.26	637154.90

E. Durkee NE					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
208	608+94.07	31.62' RT	871.24	281420.86	637151.28
209	608+94.07	26.50' RT	871.16	281421.06	637146.15
210	608+74.06	31.00' RT	872.15	281400.89	637149.88
211	608+69.09	31.00' RT	872.08	281395.93	637149.69
212	608+66.39	31.00' RT	872.05	281393.23	637149.59
213	608+64.95	29.61' RT	872.13	281391.85	637148.14
214	608+82.91	22.00' RT	871.13	281410.08	637141.23

2



PROJECT NO: 6145-01-73	HWY: USH 12	COUNTY: SAUK	CURB RAMP DETAILS: E. DURKEE STREET	SHEET 42	E



USH 12 (WISCONSIN DELLS PARKWAY)

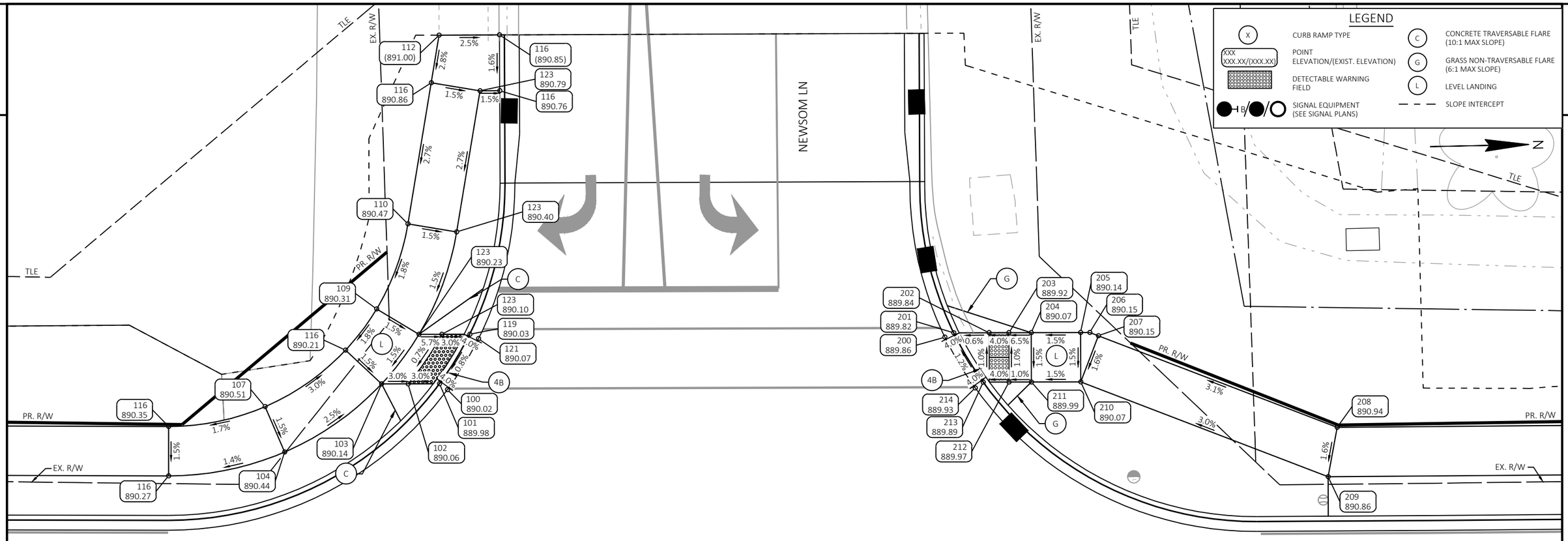
Shady SW					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
107	617+52.95	39.50' LT	887.40	282281.70	637121.24
109	617+68.95	39.50' LT	887.48	282297.68	637121.97
112	617+62.82	34.00' LT	887.12	282291.31	637127.18
116	617+71.70	39.50' LT	887.45	282300.43	637122.09
116	617+75.02	44.50' LT	887.49	282303.97	637117.25
116	617+70.95	44.50' LT	887.52	282299.90	637117.06
116	617+68.95	44.50' LT	887.55	282297.90	637116.97

Shady SW					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
116	617+76.89	43.81' LT	887.57	282305.81	637118.02
116	617+77.71	50.88' LT	888.04	282306.94	637111.00
123	617+52.95	44.50' LT	887.48	282281.92	637116.25
123	617+73.05	38.05' LT	887.53	282301.71	637123.60
123	617+62.95	39.50' LT	887.57	282291.69	637121.69
123	617+62.95	44.50' LT	887.64	282291.91	637116.70

Shady NW					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
200	618+10.68	42.75' LT	888.40	282339.51	637120.61
201	618+10.27	43.67' LT	888.42	282339.15	637119.66
202	618+12.07	44.50' LT	888.34	282340.99	637118.92
203	618+16.19	44.50' LT	888.37	282345.10	637119.11
204	618+18.19	44.50' LT	888.44	282347.09	637119.20
205	618+22.72	44.50' LT	888.59	282351.62	637119.40
206	618+32.72	44.50' LT	888.99	282361.61	637119.86

Shady NW					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
207	618+32.72	39.50' LT	888.92	282361.38	637124.85
208	618+22.72	39.50' LT	888.52	282351.40	637124.40
209	618+18.19	39.50' LT	888.36	282346.87	637124.19
210	618+15.44	39.50' LT	888.29	282344.12	637124.07
211	618+14.07	38.04' LT	888.37	282342.69	637125.47
212	618+24.31	34.00' LT	888.28	282352.74	637129.96

PROJECT NO: 6145-01-73	HWY: USH 12	COUNTY: SAUK	CURB RAMP DETAILS: SHADY LANE	SHEET 43	E



USH 12 (WISCONSIN DELLS PARKWAY)

RADIAL PLATE INFORMATION:
- BACK OF CURB RADIUS: 33.5-FT
- LANDING LENGTH: 5.7-FT
- RADIAL WARNING FIELD AREA: 12.0 SF
- RADIAL LONG CHORD LENGTH: 6.1-FT

Newsom SW

POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
100	620+78.42	48.30' LT	890.02	282606.38	637124.04
101	620+77.61	48.89' LT	889.98	282605.59	637123.43
102	620+74.43	48.87' LT	890.06	282602.40	637123.36
103	620+71.75	48.86' LT	890.14	282599.73	637123.31
104	620+61.95	41.94' LT	890.44	282589.75	637129.98
107	620+59.96	46.53' LT	890.51	282587.87	637125.34
109	620+71.24	56.44' LT	890.31	282599.40	637115.72
110	620+74.38	65.06' LT	890.47	282602.76	637107.17
112	620+77.49	84.17' LT	891.00	282606.35	637088.15
116	620+68.10	52.27' LT	890.21	282596.16	637119.81
116	620+50.20	39.50' LT	890.27	282577.94	637132.12

Newsom SW

POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
116	620+50.20	44.50' LT	890.35	282578.07	637127.12
116	620+83.64	78.56' LT	890.76	282612.36	637093.92
116	620+83.61	84.21' LT	890.85	282612.47	637088.27
116	620+76.71	79.35' LT	890.86	282605.45	637092.95
119	620+80.67	53.90' LT	890.03	282608.76	637118.49
121	620+81.56	53.46' LT	890.07	282609.65	637118.96
123	620+77.84	53.89' LT	890.10	282605.94	637118.43
123	620+75.53	53.88' LT	890.23	282603.63	637118.39
123	620+79.32	64.26' LT	890.40	282607.68	637108.10
123	620+81.64	78.55' LT	890.79	282610.36	637093.88

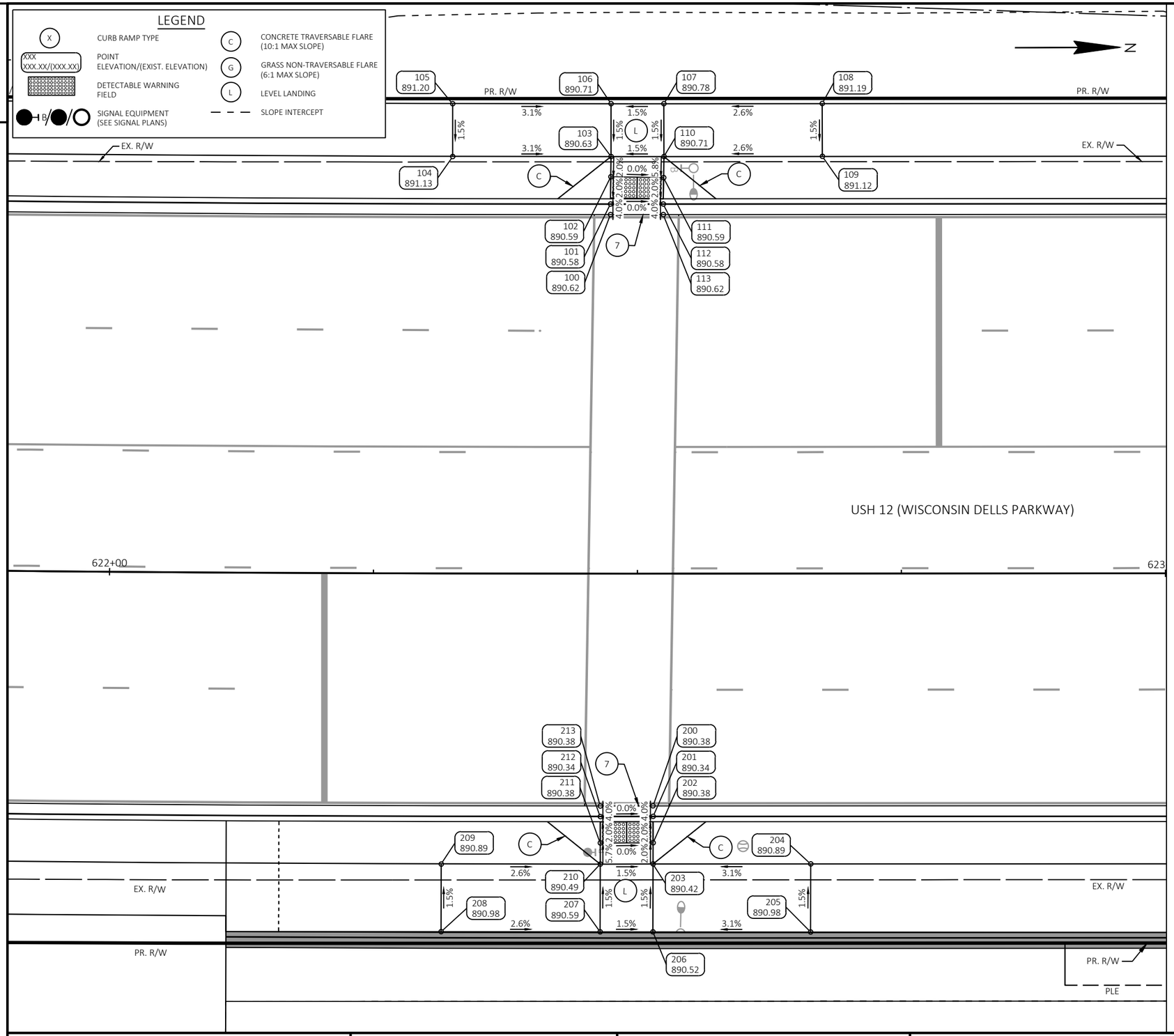
Newsom NW

POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
200	621+28.85	53.72' LT	889.86	282656.85	637119.89
201	621+29.75	54.16' LT	889.82	282657.76	637119.47
202	621+33.38	54.17' LT	889.84	282661.35	637119.54
203	621+35.40	54.17' LT	889.92	282663.35	637119.58
204	621+37.67	54.18' LT	890.07	282665.61	637119.63
205	621+42.72	54.19' LT	890.14	282670.61	637119.73
206	621+43.66	54.19' LT	890.15	282671.54	637119.74
207	621+44.54	53.86' LT	890.15	282672.40	637120.10

Newsom NW

POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
208	621+68.89	44.50' LT	890.94	282696.36	637129.91
209	621+67.95	39.50' LT	890.86	282695.34	637134.90
210	621+42.73	49.19' LT	890.07	282670.51	637124.73
211	621+37.69	49.18' LT	889.99	282665.51	637124.63
212	621+35.41	49.17' LT	889.97	282663.25	637124.58
213	621+32.77	49.17' LT	889.89	282660.63	637124.53
214	621+31.95	48.58' LT	889.93	282659.81	637125.09

PROJECT NO: 6145-01-73	HWY: USH 12	COUNTY: SAUK	CURB RAMP DETAILS: NEWSOM ROAD	SHEET 44	E



Newsom Road Mid-Block Crossing					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
100	622+47.45	34.00' LT	890.62	282774.27	637141.20
101	622+47.45	35.00' LT	890.58	282774.27	637140.20
102	622+47.48	37.58' LT	890.59	282774.31	637137.62
103	622+47.51	39.50' LT	890.63	282774.35	637135.70
104	622+32.41	39.48' LT	891.13	282759.35	637135.66
105	622+32.40	44.48' LT	891.20	282759.37	637130.66
106	622+47.51	44.50' LT	890.71	282774.37	637130.70
107	622+52.53	44.50' LT	890.78	282779.37	637130.72
108	622+67.53	44.50' LT	891.19	282794.37	637130.76
109	622+67.53	39.50' LT	891.12	282794.35	637135.76
110	622+52.53	39.50' LT	890.71	282779.35	637135.72
111	622+52.49	37.50' LT	890.59	282779.31	637137.72
112	622+52.46	35.00' LT	890.58	282779.27	637140.22
113	622+52.46	34.00' LT	890.62	282779.27	637141.22

Newsom Road Mid-Block Crossing					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
200	622+51.45	22.00' RT	890.38	282778.10	637197.22
201	622+51.45	23.00' RT	890.34	282778.09	637198.22
202	622+51.45	25.50' RT	890.38	282778.09	637200.71
203	622+51.45	27.50' RT	890.42	282778.08	637202.72
204	622+66.39	27.50' RT	890.89	282793.01	637202.76
205	622+66.38	33.95' RT	890.98	282792.98	637209.21
206	622+51.44	33.93' RT	890.52	282778.05	637209.15
207	622+46.46	33.92' RT	890.59	282773.05	637209.12
208	622+31.48	33.93' RT	890.98	282757.98	637209.06
209	622+31.47	27.52' RT	890.89	282758.01	637202.65
210	622+46.47	27.50' RT	890.49	282773.08	637202.70
211	622+46.47	25.50' RT	890.38	282773.09	637200.70
212	622+46.47	23.00' RT	890.34	282773.09	637198.20
213	622+46.47	22.00' RT	890.38	282773.10	637197.20

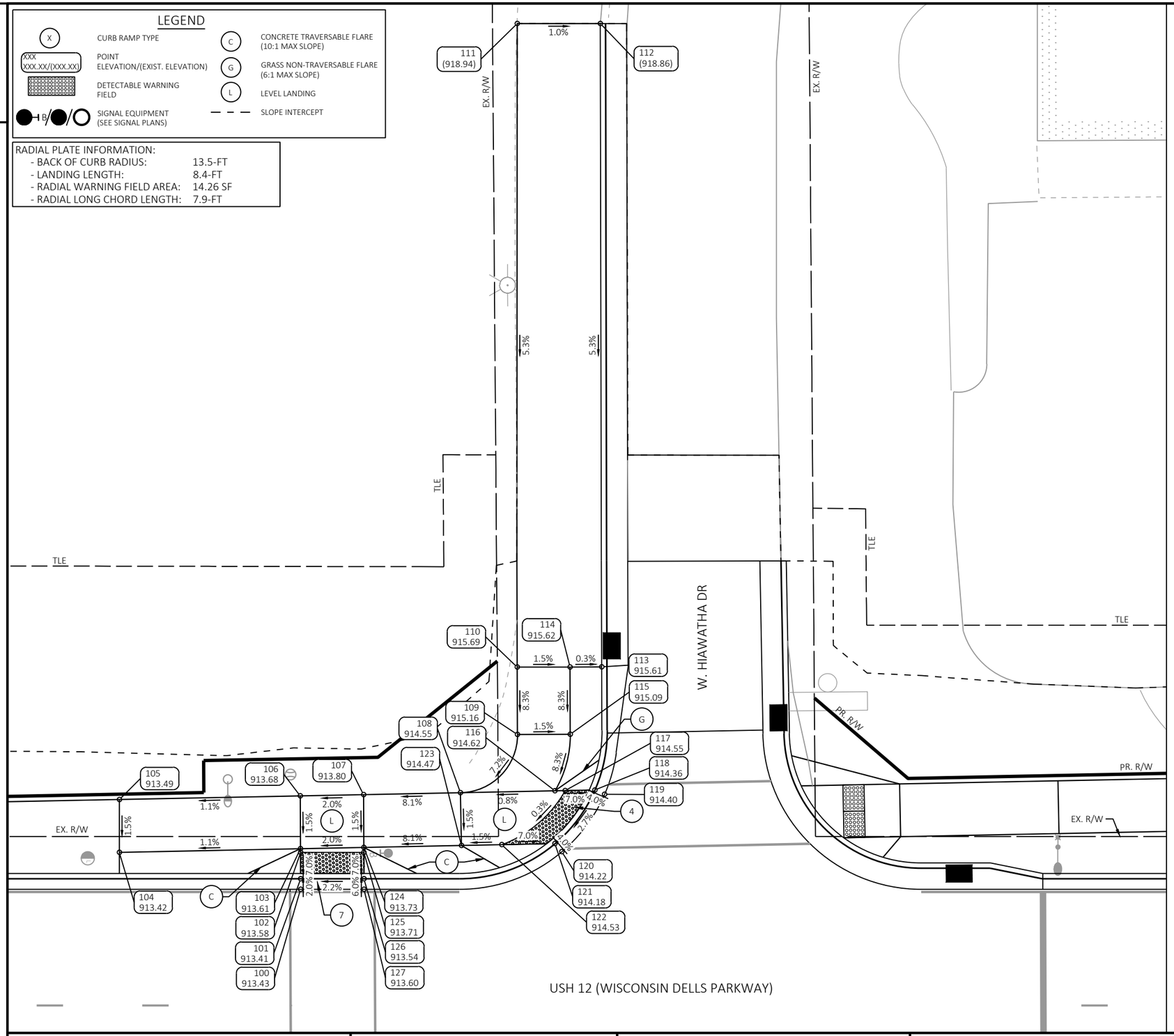
PROJECT NO: 6145-01-73	HWY: USH 12	COUNTY: SAUK	CURB RAMP DETAILS: NEWSOM ROAD MID-BLOCK CROSSING	SHEET 45	E

2

LEGEND

X	CURB RAMP TYPE	C	CONCRETE TRAVERSABLE FLARE (10:1 MAX SLOPE)
XXX XXX.XX/(XXX.XX)	POINT ELEVATION/(EXIST. ELEVATION)	G	GRASS NON-TRAVERSABLE FLARE (6:1 MAX SLOPE)
	DETECTABLE WARNING FIELD	L	LEVEL LANDING
B	SIGNAL EQUIPMENT (SEE SIGNAL PLANS)		SLOPE INTERCEPT

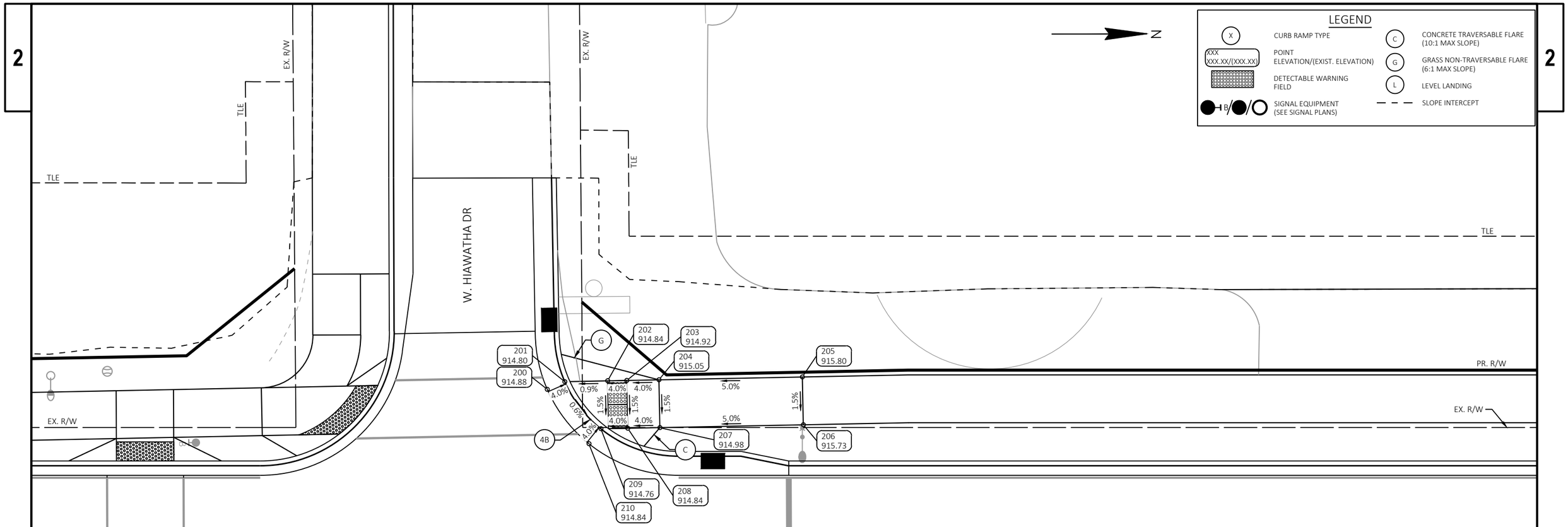
RADIAL PLATE INFORMATION:
- BACK OF CURB RADIUS: 13.5-FT
- LANDING LENGTH: 8.4-FT
- RADIAL WARNING FIELD AREA: 14.26 SF
- RADIAL LONG CHORD LENGTH: 7.9-FT



W Hiawatha SW					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
100	634+67.62	34.00' LT	913.43	283994.32	637146.82
101	634+67.62	35.00' LT	913.41	283994.33	637145.82
102	634+67.62	37.50' LT	913.58	283994.33	637143.32
103	634+67.61	37.84' LT	913.61	283994.32	637142.98
104	634+50.45	37.50' LT	913.42	283977.17	637143.27
105	634+50.45	42.50' LT	913.49	283977.18	637138.27
106	634+67.59	42.84' LT	913.68	283994.32	637137.98
107	634+73.59	42.96' LT	913.80	284000.32	637137.88
108	634+82.76	43.15' LT	914.55	284009.49	637137.72
109	634+88.15	48.66' LT	915.16	284014.90	637132.22
110	634+88.13	55.03' LT	915.69	284014.90	637125.85
111	634+88.13	115.98' LT	918.94	284015.08	637064.91
112	634+96.01	115.98' LT	918.86	284022.96	637064.93
113	634+96.13	55.06' LT	915.61	284022.90	637125.85
114	634+93.13	55.05' LT	915.62	284019.90	637125.85
115	634+93.15	48.68' LT	915.09	284019.90	637132.22
116	634+91.70	43.33' LT	914.62	284018.44	637137.57
117	634+92.66	43.35' LT	914.55	284019.40	637137.55
118	634+95.48	43.40' LT	914.36	284022.22	637137.51
119	634+96.40	43.00' LT	914.40	284023.13	637137.91
120	634+92.36	37.56' LT	914.22	284019.07	637143.34
121	634+91.71	38.33' LT	914.18	284018.43	637142.57
122	634+86.67	38.22' LT	914.53	284013.38	637142.66
123	634+82.86	38.15' LT	914.47	284009.58	637142.72
124	634+73.61	37.96' LT	913.73	284000.32	637142.88
125	634+73.61	37.50' LT	913.71	284000.32	637143.34
126	634+73.62	35.00' LT	913.54	284000.33	637145.84
127	634+73.62	34.00' LT	913.60	284000.32	637146.84

2

PROJECT NO: 6145-01-73	HWY: USH 12	COUNTY: SAUK	CURB RAMP DETAILS: W. HIAWATHA DRIVE SW	SHEET 46	E



W Hiawatha NW					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
200	635+12.67	42.98' LT	914.88	284039.40	637137.98
201	635+14.50	43.78' LT	914.80	284041.24	637137.18
202	635+18.98	43.87' LT	914.84	284045.72	637137.11
203	635+20.98	43.91' LT	914.92	284047.71	637137.07
204	635+24.35	43.98' LT	915.05	284051.08	637137.01
205	635+39.35	44.29' LT	915.80	284066.08	637136.75

W Hiawatha NW					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
206	635+39.45	39.29' LT	915.73	284066.17	637141.75
207	635+24.45	38.98' LT	914.98	284051.17	637142.01
208	635+21.08	38.91' LT	914.84	284047.80	637142.07
209	635+18.28	38.87' LT	914.76	284045.00	637142.10
210	635+17.03	37.30' LT	914.84	284043.74	637143.68

PROJECT NO: 6145-01-73	HWY: USH 12	COUNTY: SAUK	CURB RAMP DETAILS: W. HIAWATHA DRIVE NW	SHEET 47	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-73\021301_CR.DWG
LAYOUT NAME - 06
PLOT DATE : 6/18/2025 1:00 PM
PLOT BY : BARRETT, WILL
PLOT NAME :
PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42

2

LEGEND

- X — CURB RAMP TYPE
- XXX / XXX.XX/(XXX.XX) — POINT ELEVATION/(EXIST. ELEVATION)
- DETECTABLE WARNING FIELD
- B/●/○ — SIGNAL EQUIPMENT (SEE SIGNAL PLANS)
- C — CONCRETE TRAVERSABLE FLARE (10:1 MAX SLOPE)
- G — GRASS NON-TRAVERSABLE FLARE (6:1 MAX SLOPE)
- L — LEVEL LANDING
- SLOPE INTERCEPT

RADIAL PLATE INFORMATION:

- BACK OF CURB RADIUS:	24.5-FT
- LANDING LENGTH:	9.7-FT
- RADIAL WARNING FIELD AREA:	16.0 SF
- RADIAL LONG CHORD LENGTH:	8.6-FT

N

E Hiawatha SE

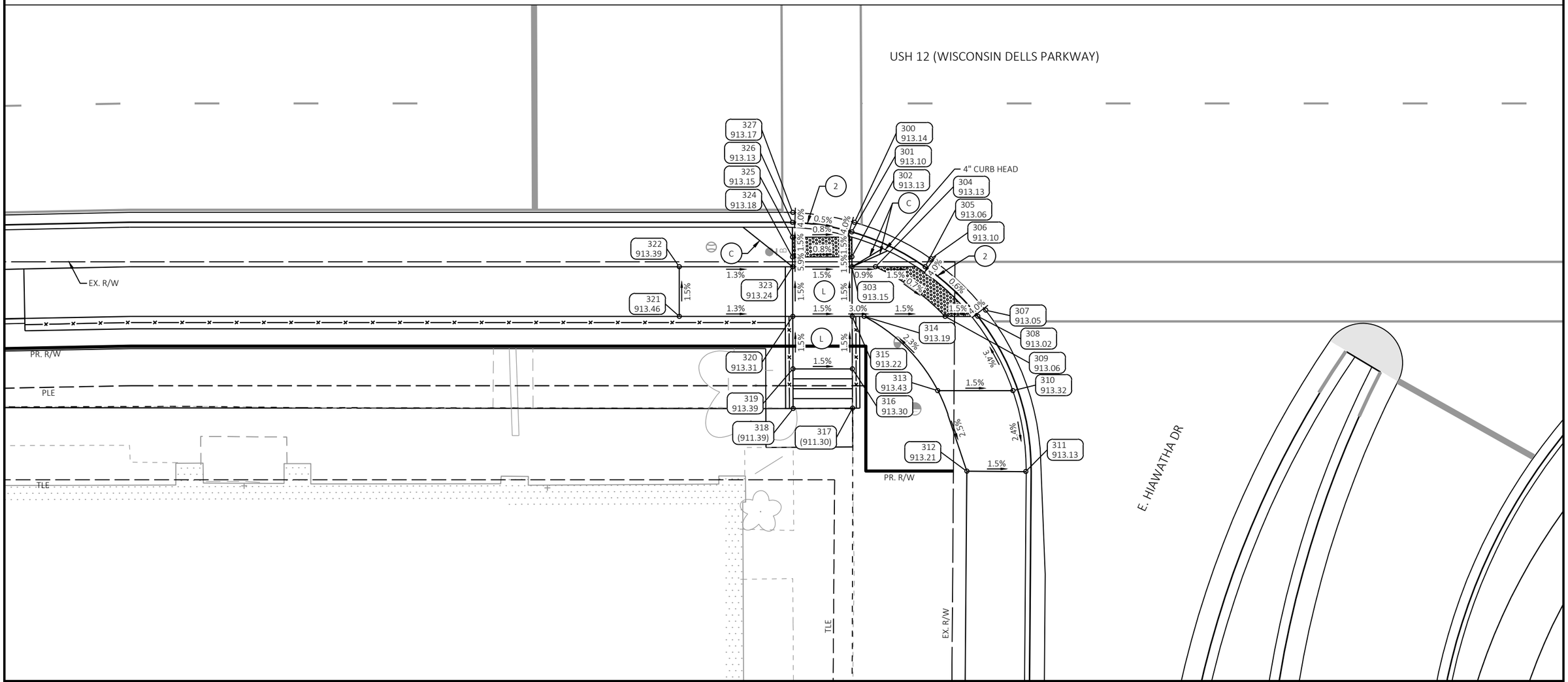
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
300	634+74.14	23.01' RT	913.14	284000.68	637203.85
301	634+73.87	23.97' RT	913.10	284000.41	637204.81
302	634+73.88	26.49' RT	913.13	284000.40	637207.33
303	634+73.88	27.50' RT	913.15	284000.41	637208.34
304	634+76.25	27.50' RT	913.13	284002.78	637208.35
305	634+81.28	27.49' RT	913.06	284007.80	637208.35
306	634+81.86	26.68' RT	913.10	284008.39	637207.55
307	634+87.38	31.88' RT	913.05	284013.89	637212.76
308	634+86.59	32.49' RT	913.02	284013.10	637213.37
309	634+83.29	32.50' RT	913.06	284009.80	637213.37

E Hiawatha SE

POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
310	634+90.14	40.00' RT	913.32	284016.62	637220.89
311	634+91.43	48.17' RT	913.13	284017.89	637229.07
312	634+85.48	48.14' RT	913.21	284011.94	637229.01
313	634+82.55	40.00' RT	913.43	284009.03	637220.87
314	634+75.10	32.50' RT	913.19	284001.61	637213.35
315	634+73.90	32.50' RT	913.22	284000.41	637213.34
316	634+73.93	37.81' RT	913.30	284000.42	637218.65
317	634+73.94	41.78' RT	911.30	284000.42	637222.62
318	634+67.94	41.80' RT	911.39	283994.42	637222.63
319	634+67.93	37.81' RT	913.39	283994.42	637218.63

E Hiawatha SE

POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
320	634+67.90	32.50' RT	913.31	283994.41	637213.32
321	634+56.45	32.50' RT	913.46	283982.95	637213.29
322	634+56.45	27.50' RT	913.39	283982.97	637208.29
323	634+67.88	27.50' RT	913.24	283994.41	637208.32
324	634+67.88	26.51' RT	913.18	283994.40	637207.34
325	634+67.87	24.51' RT	913.15	283994.40	637205.34
326	634+67.87	23.02' RT	913.13	283994.40	637203.84
327	634+67.90	22.02' RT	913.17	283994.44	637202.84

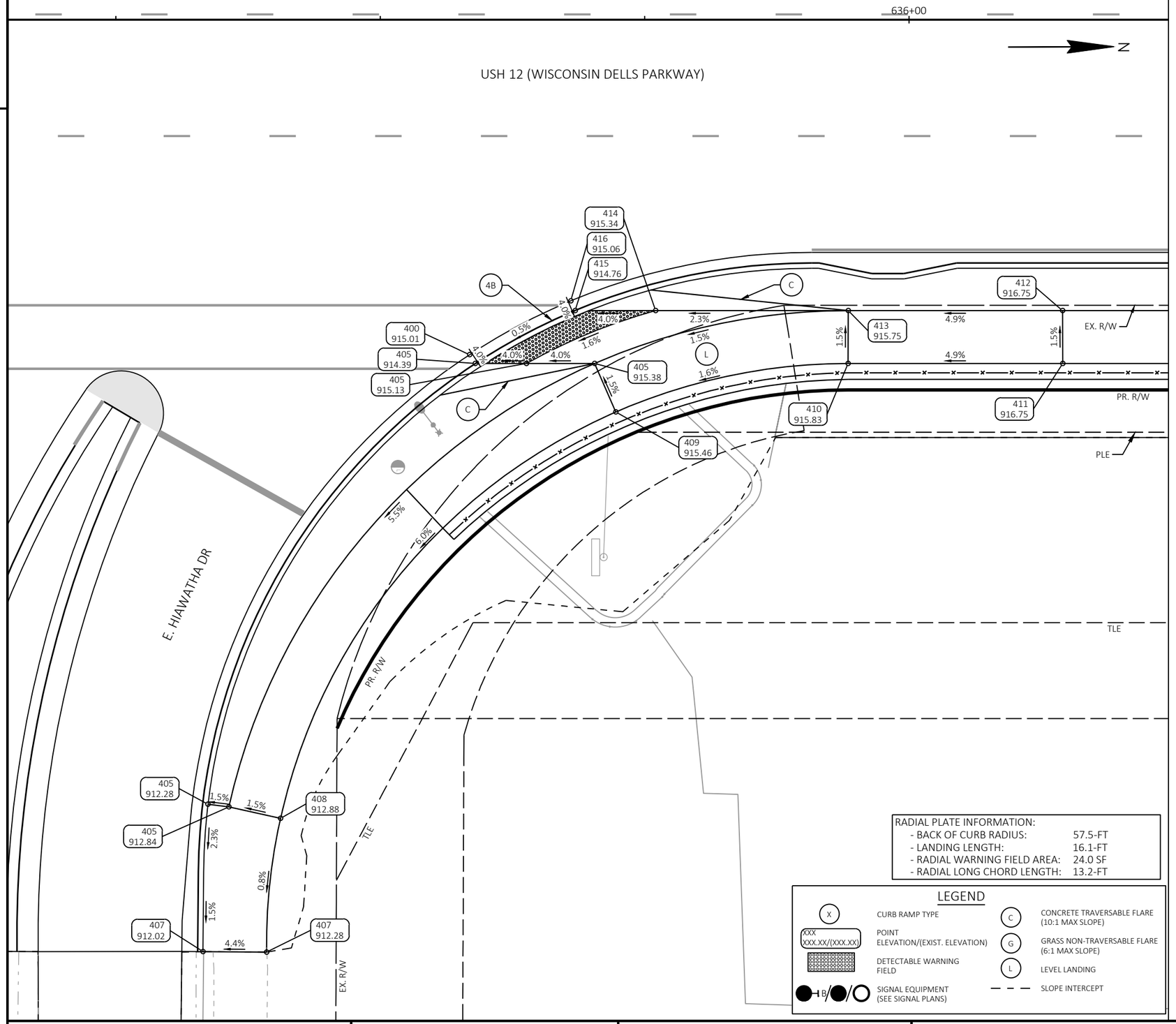


PROJECT NO: 6145-01-73	HWY: USH 12	COUNTY: SAUK	CURB RAMP DETAILS: E. HIAWATHA DRIVE SE	SHEET 48	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-73\021301_CR.DWG
LAYOUT NAME - 07

PLOT DATE : 6/18/2025 1:00 PM PLOT BY : BARRETT, WILL PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 42



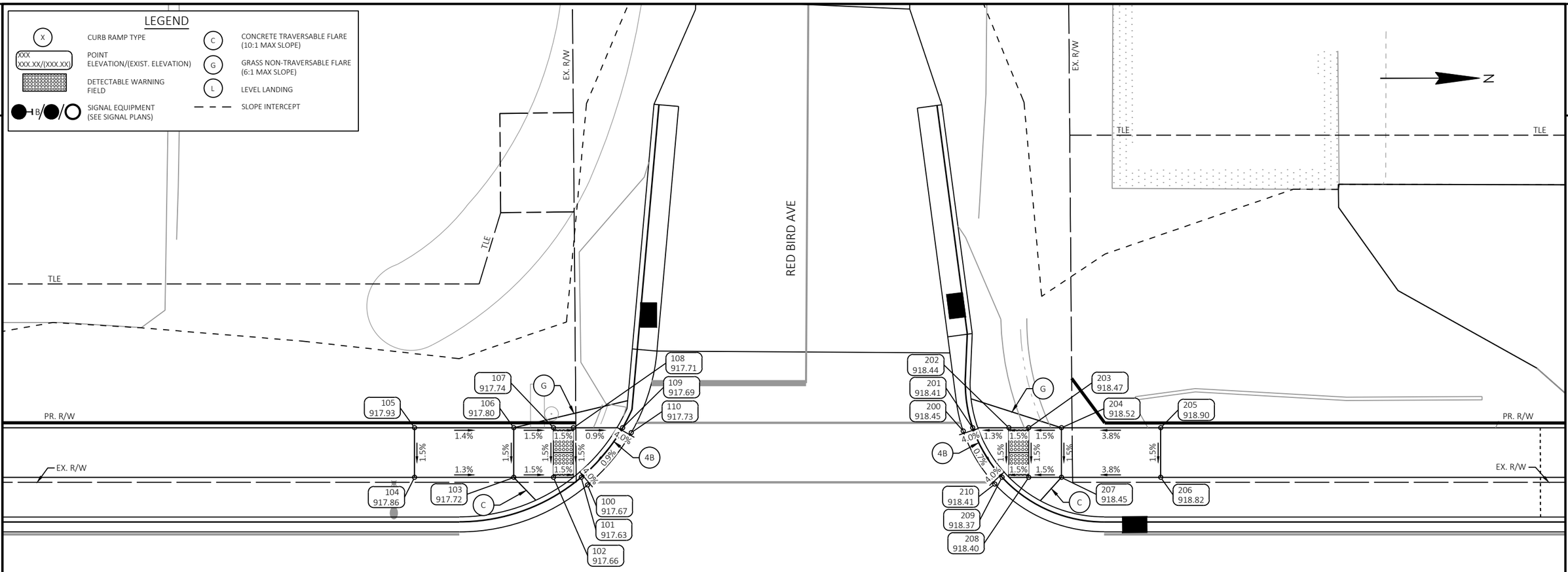
E Hiawatha NE					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
400	635+58.44	31.66' RT	915.01	284084.95	637212.76
405	635+33.70	74.17' RT	912.28	284060.09	637255.19
405	635+35.69	74.40' RT	912.84	284062.07	637255.43
405	635+58.99	32.50' RT	914.39	284085.50	637213.60
405	635+63.81	32.50' RT	915.13	284090.32	637213.61
405	635+70.26	32.50' RT	915.38	284096.77	637213.63
407	635+33.24	88.08' RT	912.02	284059.58	637269.10
407	635+39.25	88.13' RT	912.28	284065.59	637269.17
408	635+40.57	75.49' RT	912.88	284066.95	637256.54
409	635+72.26	37.08' RT	915.46	284098.76	637218.22
410	635+94.22	32.50' RT	915.83	284120.73	637213.70
411	636+14.53	32.50' RT	916.75	284141.03	637213.76
412	636+14.51	27.50' RT	916.75	284141.03	637208.76
413	635+94.24	27.50' RT	915.75	284120.76	637208.70
414	635+76.03	27.50' RT	915.34	284102.55	637208.65
415	635+68.43	27.51' RT	914.76	284094.95	637208.63
416	635+68.01	26.58' RT	915.06	284094.53	637207.70

RADIAL PLATE INFORMATION:
- BACK OF CURB RADIUS: 57.5-FT
- LANDING LENGTH: 16.1-FT
- RADIAL WARNING FIELD AREA: 24.0 SF
- RADIAL LONG CHORD LENGTH: 13.2-FT

LEGEND

- X — CURB RAMP TYPE
- XXX / XXX.XX/(XXX.XX) — POINT ELEVATION/(EXIST. ELEVATION)
- DETECTABLE WARNING FIELD
- B — SIGNAL EQUIPMENT (SEE SIGNAL PLANS)
- C — CONCRETE TRAVERSABLE FLARE (10:1 MAX SLOPE)
- G — GRASS NON-TRAVERSABLE FLARE (6:1 MAX SLOPE)
- L — LEVEL LANDING
- SLOPE INTERCEPT

PROJECT NO: 6145-01-73	HWY: USH 12	COUNTY: SAUK	CURB RAMP DETAILS: E. HIAWATHA DRIVE NE	SHEET 49	E



Red Bird SW					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
100	637+28.86	38.74' LT	917.67	284255.58	637142.86
101	637+28.22	39.51' LT	917.63	284254.94	637142.09
102	637+25.42	39.50' LT	917.66	284252.14	637142.09
103	637+21.42	39.50' LT	917.72	284248.14	637142.08
104	637+11.42	39.50' LT	917.86	284238.14	637142.05
105	637+11.42	44.50' LT	917.93	284238.16	637137.05

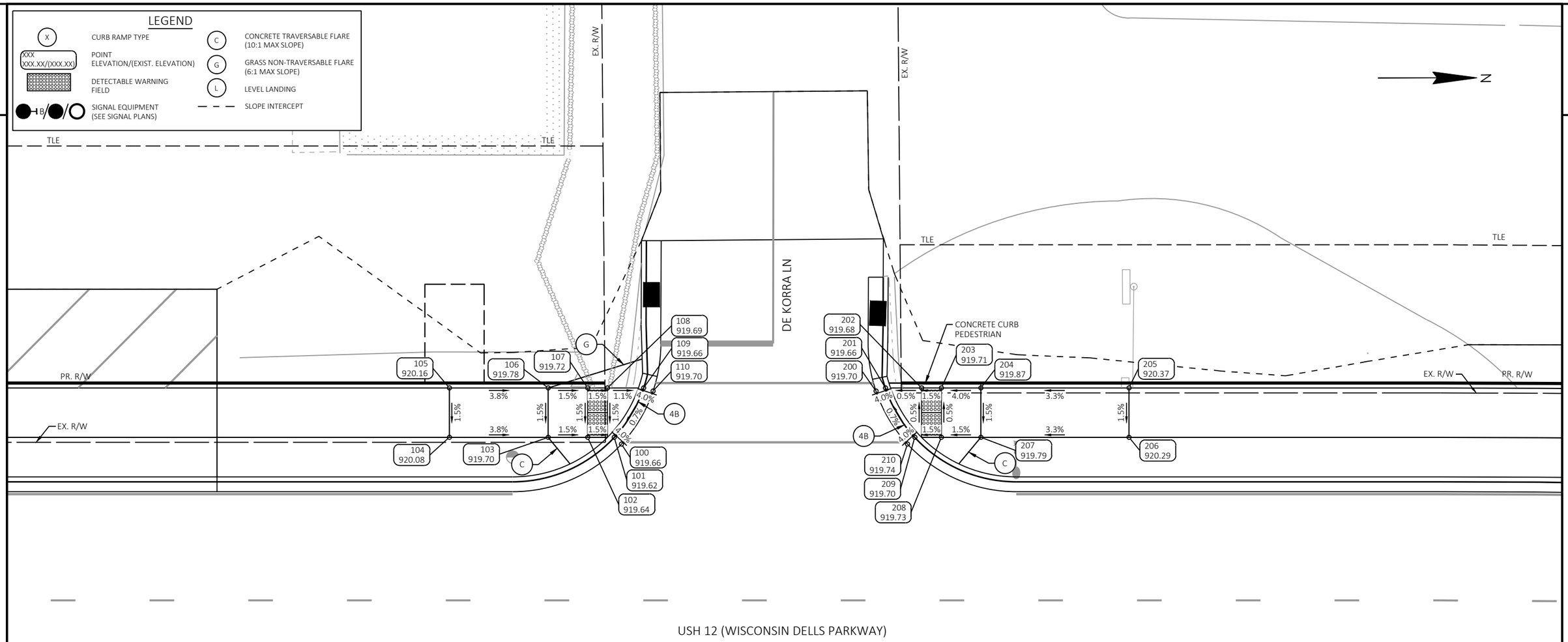
Red Bird SW					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
106	637+21.42	44.50' LT	917.80	284248.16	637137.08
107	637+25.42	44.50' LT	917.74	284252.16	637137.09
108	637+27.42	44.50' LT	917.71	284254.16	637137.10
109	637+32.39	44.50' LT	917.69	284259.12	637137.11
110	637+33.25	44.00' LT	917.73	284259.99	637137.61

Red Bird NW					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
200	637+66.70	44.18' LT	918.45	284293.43	637137.53
201	637+67.64	44.50' LT	918.41	284294.38	637137.21
202	637+71.31	44.50' LT	918.44	284298.04	637137.23
203	637+73.31	44.50' LT	918.47	284300.04	637137.23
204	637+76.60	44.50' LT	918.52	284303.34	637137.24
205	637+86.60	44.50' LT	918.90	284313.34	637137.27

Red Bird NW					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
206	637+86.60	39.50' LT	918.82	284313.32	637142.27
207	637+76.60	39.50' LT	918.45	284303.32	637142.24
208	637+73.31	39.50' LT	918.40	284300.03	637142.23
209	637+70.62	39.50' LT	918.37	284297.34	637142.22
210	637+69.88	38.82' LT	918.41	284296.60	637142.90

PROJECT NO: 6145-01-73	HWY: USH 12	COUNTY: SAUK	CURB RAMP DETAILS: RED BIRD AVENUE	SHEET 50	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-73\021301_CR.DWG
LAYOUT NAME - 09
PLOT DATE : 6/18/2025 1:02 PM
PLOT BY : BARRETT, WILL
PLOT NAME :
PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42



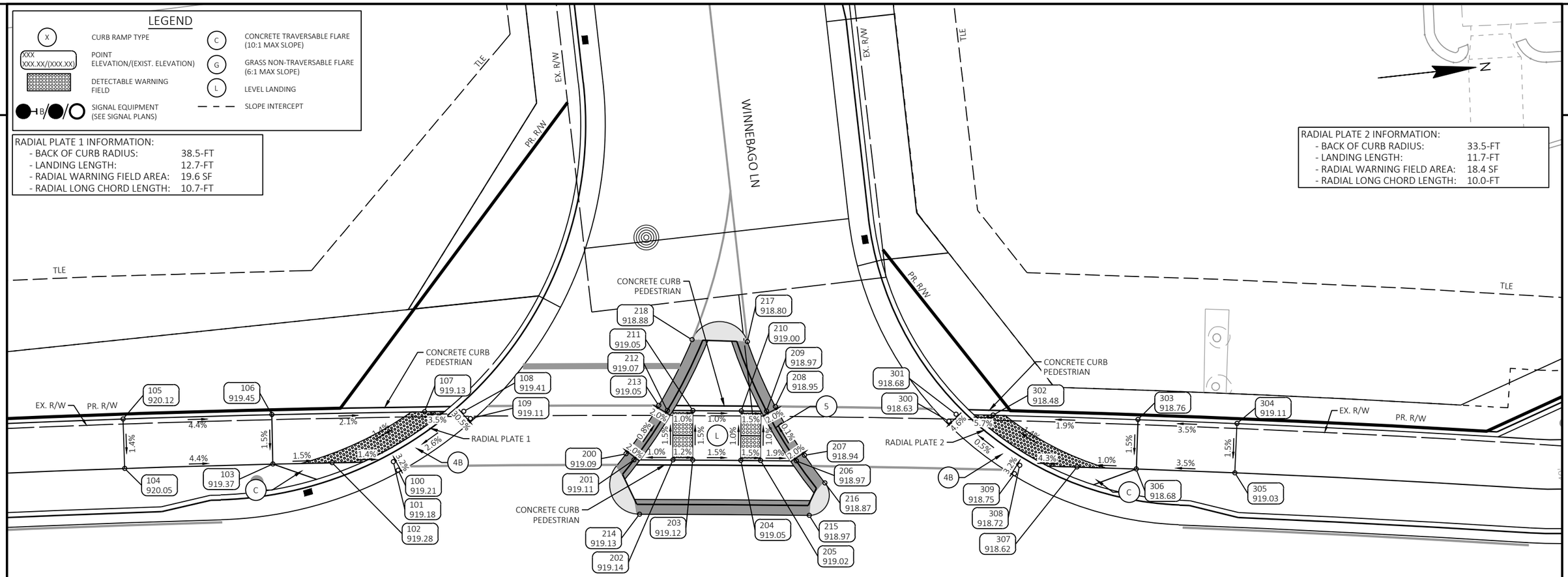
USH 12 (WISCONSIN DELLS PARKWAY)

De Korra SW					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
100	639+89.36	38.82' LT	919.66	284516.08	637143.55
101	639+88.63	39.50' LT	919.62	284515.35	637142.87
102	639+85.94	39.50' LT	919.64	284512.65	637142.86
103	639+81.93	39.50' LT	919.70	284508.65	637142.85
104	639+71.93	39.50' LT	920.08	284498.65	637142.82
105	639+71.93	44.50' LT	920.16	284498.67	637137.82

De Korra SW					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
106	639+81.93	44.50' LT	919.78	284508.67	637137.85
107	639+85.94	44.50' LT	919.72	284512.67	637137.86
108	639+87.93	44.50' LT	919.69	284514.67	637137.87
109	639+91.60	44.50' LT	919.66	284518.33	637137.88
110	639+92.55	44.18' LT	919.70	284519.28	637138.20

De Korra NW					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
200	640+15.14	44.18' LT	919.70	284541.87	637138.27
201	640+16.09	44.50' LT	919.66	284542.82	637137.95
202	640+19.75	44.50' LT	919.68	284546.48	637137.96
203	640+21.75	44.50' LT	919.71	284548.48	637137.97
204	640+25.75	44.50' LT	919.87	284552.48	637137.98
205	640+40.75	44.50' LT	920.37	284567.48	637138.02

De Korra NW					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
206	640+40.75	39.50' LT	920.29	284567.47	637143.02
207	640+25.75	39.50' LT	919.79	284552.47	637142.98
208	640+21.75	39.50' LT	919.73	284548.47	637142.97
209	640+19.07	39.49' LT	919.70	284545.79	637142.97
210	640+18.33	38.82' LT	919.74	284545.04	637143.64



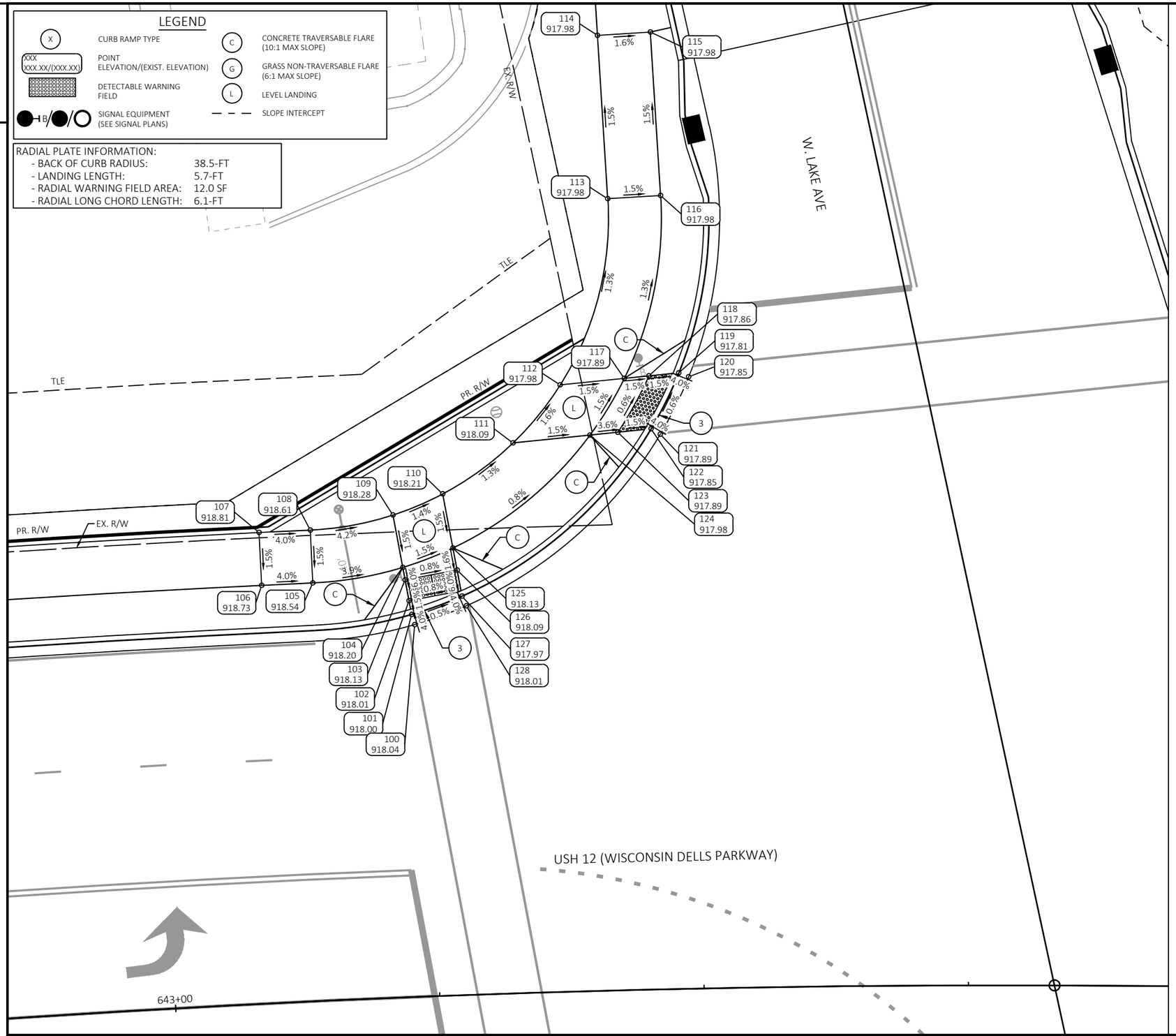
Winnebago SW					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
100	642+02.89	38.62' LT	919.21	284732.93	637150.53
101	642+02.43	39.50' LT	919.18	284732.54	637149.61
102	641+96.39	39.50' LT	919.28	284726.37	637149.04
103	641+90.55	39.50' LT	919.37	284720.39	637148.51
104	641+75.96	39.50' LT	920.05	284705.44	637147.30
105	641+75.96	44.50' LT	920.12	284705.82	637142.32
106	641+90.57	44.50' LT	919.45	284720.84	637143.53
107	642+05.57	44.50' LT	919.13	284736.24	637144.94
108	642+09.43	44.50' LT	919.41	284740.20	637145.33
109	642+10.07	43.75' LT	919.11	284740.78	637146.14

Winnebago Median					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
200	642+25.36	40.11' LT	919.09	284756.06	637151.41
201	642+26.13	39.50' LT	919.11	284756.78	637152.10
202	642+29.98	39.50' LT	919.14	284760.70	637152.55
203	642+31.92	39.50' LT	919.12	284762.69	637152.77
204	642+36.66	39.50' LT	919.05	284767.53	637153.34
205	642+38.61	39.50' LT	919.02	284769.52	637153.58
206	642+42.14	39.50' LT	918.97	284773.12	637154.01
207	642+42.94	40.07' LT	918.94	284774.00	637153.54
208	642+40.01	44.97' LT	918.95	284771.60	637148.32
209	642+39.15	44.50' LT	918.97	284770.67	637148.68

Winnebago Median					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
210	642+36.67	44.50' LT	919.00	284768.12	637148.37
211	642+31.91	44.50' LT	919.05	284763.25	637147.80
212	642+29.41	44.50' LT	919.07	284760.69	637147.51
213	642+28.58	45.01' LT	919.05	284759.89	637146.91
214	642+26.69	34.00' LT	919.13	284756.74	637157.63
215	642+43.48	34.00' LT	918.97	284773.81	637159.64
216	642+44.98	37.30' LT	918.87	284775.75	637156.55
217	642+37.22	51.52' LT	918.80	284769.52	637141.47
218	642+31.81	51.67' LT	918.88	284763.97	637140.67

Winnebago NW					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
300	642+57.09	43.79' LT	918.63	284788.92	637151.71
301	642+57.77	44.50' LT	918.68	284789.71	637151.10
302	642+61.40	44.50' LT	918.48	284793.42	637151.60
303	642+75.64	44.50' LT	918.76	284807.96	637153.66
304	642+85.37	44.50' LT	919.11	284817.88	637155.15
305	642+85.37	39.50' LT	919.03	284817.12	637160.09
306	642+75.64	39.50' LT	918.68	284807.23	637158.60
307	642+69.80	39.50' LT	918.62	284801.30	637157.75
308	642+64.15	39.50' LT	918.72	284795.55	637156.94
309	642+63.66	38.64' LT	918.75	284794.93	637157.73

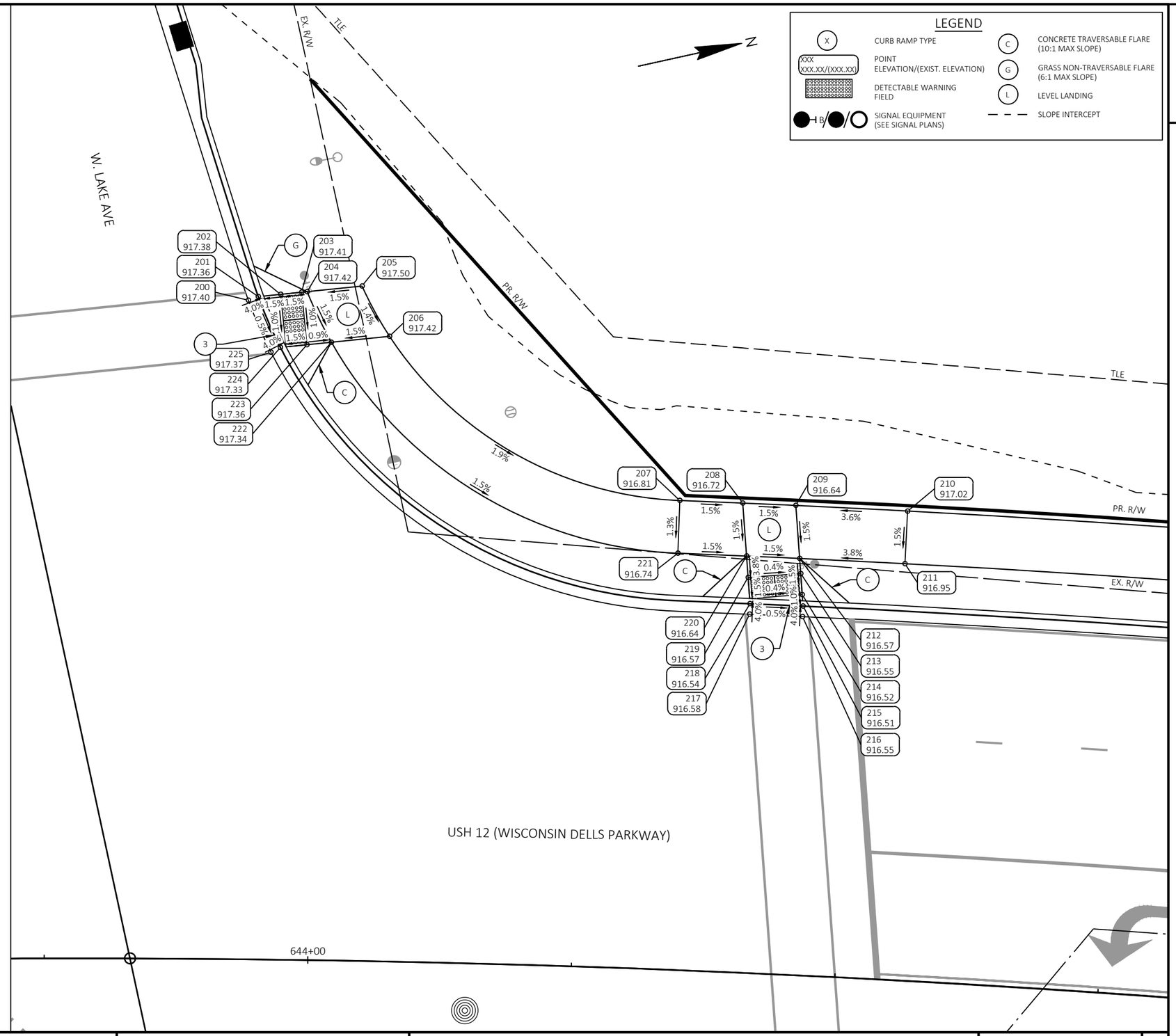
PROJECT NO: 6145-01-73	HWY: USH 12	COUNTY: SAUK	CURB RAMP DETAILS: WINNEBAGO LANE	SHEET 52	E





W Lake SW					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
100	643+23.96	35.16' LT	918.04	284855.46	637170.90
101	643+23.72	36.13' LT	918.00	284855.40	637169.91
102	643+23.53	37.45' LT	918.01	284855.44	637168.57
103	643+23.25	39.43' LT	918.13	284855.50	637166.58
104	643+23.08	40.61' LT	918.20	284855.54	637165.38
105	643+14.74	39.50' LT	918.54	284846.91	637164.97
106	643+10.03	39.50' LT	918.73	284842.14	637164.15
107	643+10.04	44.50' LT	918.81	284842.99	637159.23
108	643+14.74	44.50' LT	918.61	284847.77	637160.05
109	643+22.36	45.59' LT	918.28	284855.70	637160.35
110	643+27.00	47.41' LT	918.21	284860.74	637159.41
111	643+33.56	52.00' LT	918.09	284868.26	637156.14
112	643+38.02	57.35' LT	917.98	284873.80	637151.75
113	643+42.77	74.81' LT	917.98	284881.99	637135.55
114	643+42.22	90.28' LT	917.98	284884.38	637120.26
115	643+46.92	90.47' LT	917.98	284889.32	637121.03
116	643+47.51	75.01' LT	917.98	284886.93	637136.32
117	643+43.86	57.80' LT	917.89	284879.85	637152.46
118	643+46.09	57.98' LT	917.86	284882.16	637152.73
119	643+48.82	58.21' LT	917.81	284885.00	637153.06
120	643+49.71	57.82' LT	917.85	284885.82	637153.63
121	643+47.01	52.45' LT	917.89	284882.02	637158.35
122	643+46.19	52.98' LT	917.85	284881.30	637157.66
123	643+43.14	52.73' LT	917.89	284878.15	637157.30
124	643+40.60	52.53' LT	917.98	284875.52	637156.99
125	643+27.75	42.27' LT	918.13	284860.57	637164.61
126	643+28.06	40.17' LT	918.09	284860.50	637166.73
127	643+28.42	37.68' LT	917.97	284860.42	637169.25
128	643+28.78	36.76' LT	918.01	284860.62	637170.23

W Lake NW					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
200	643+93.70	62.48' LT	917.40	284931.62	637158.75
201	643+94.60	62.84' LT	917.36	284932.61	637158.62
202	643+96.63	63.08' LT	917.38	284934.74	637158.87
203	643+98.54	63.31' LT	917.41	284936.72	637159.10
204	643+99.04	63.37' LT	917.42	284937.25	637159.16
205	644+04.01	63.98' LT	917.50	284942.44	637159.77
206	644+06.59	59.27' LT	917.42	284943.96	637164.98
207	644+33.59	44.50' LT	916.81	284967.48	637186.14
208	644+39.38	44.50' LT	916.72	284973.25	637187.66
209	644+44.26	44.50' LT	916.64	284978.11	637188.96
210	644+54.55	44.48' LT	917.02	284988.35	637191.78
211	644+54.56	39.49' LT	916.95	284987.02	637196.60
212	644+44.83	39.50' LT	916.57	284977.38	637193.94
213	644+45.00	38.07' LT	916.55	284977.17	637195.37
214	644+45.23	36.08' LT	916.52	284976.88	637197.35
215	644+45.35	35.00' LT	916.51	284976.72	637198.43
216	644+45.35	34.00' LT	916.55	284976.46	637199.39
217	644+40.44	34.00' LT	916.58	284971.60	637198.09
218	644+40.44	35.00' LT	916.54	284971.86	637197.12
219	644+40.16	37.49' LT	916.57	284972.22	637194.64
220	644+39.93	39.50' LT	916.64	284972.52	637192.64
221	644+33.59	39.50' LT	916.74	284966.21	637190.97
222	644+01.31	58.61' LT	917.34	284938.46	637164.34
223	643+99.09	58.34' LT	917.36	284936.14	637164.07
224	643+96.67	58.05' LT	917.33	284933.62	637163.77
225	643+95.82	57.58' LT	917.37	284932.66	637164.02



PROJECT NO: 6145-01-73	HWY: USH 12	COUNTY: SAUK	CURB RAMP DETAILS: W. LAKE AVENUE NW	SHEET 54	E

2

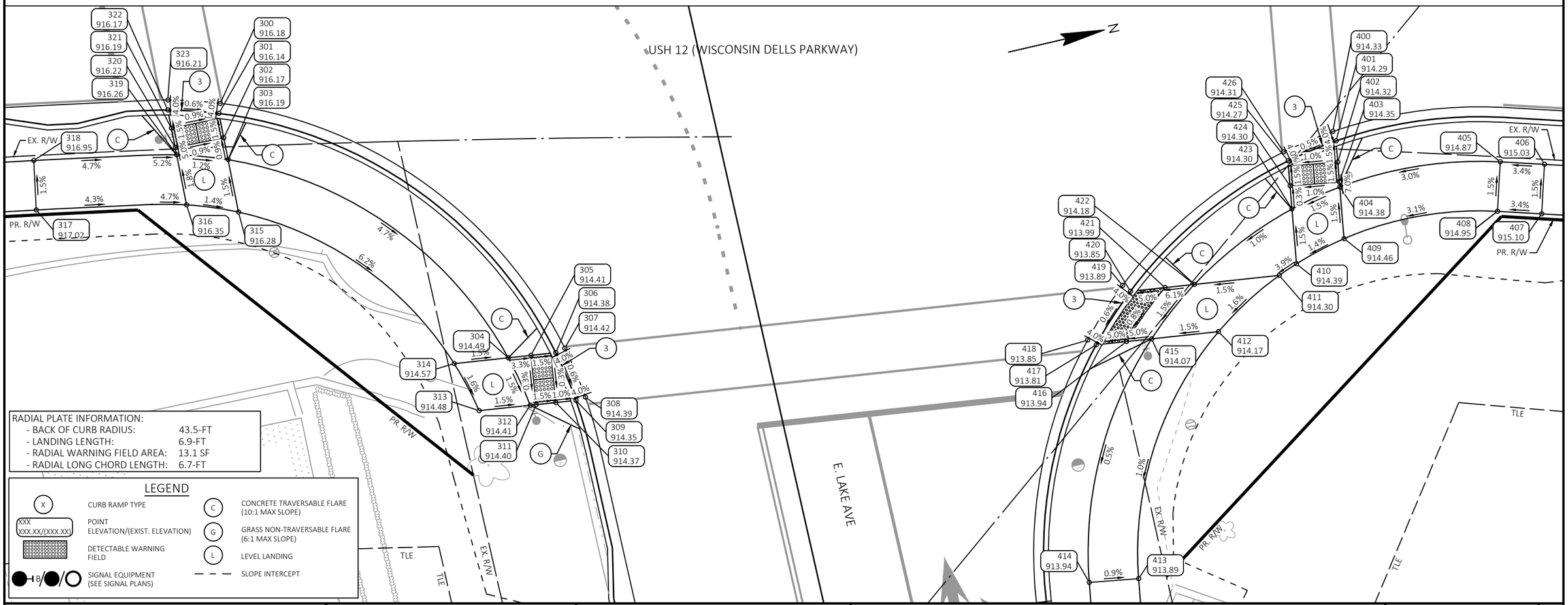
E Lake SE					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
300	643+38.05	22.61' RT	916.18	284858.79	637230.29
301	643+37.89	23.59' RT	916.14	284858.45	637231.22
302	643+38.29	26.09' RT	916.17	284858.36	637233.75
303	643+38.65	28.30' RT	916.19	284858.29	637235.99
304	643+67.15	49.09' RT	914.49	284881.35	637261.86
305	643+69.52	48.88' RT	914.41	284883.63	637262.14
306	643+72.13	48.66' RT	914.38	284886.15	637262.45
307	643+73.07	48.22' RT	914.42	284887.12	637262.22
308	643+75.16	53.17' RT	914.39	284888.03	637267.48
309	643+74.17	53.49' RT	914.35	284887.04	637267.59
310	643+72.06	53.68' RT	914.37	284885.01	637267.35
311	643+69.99	53.86' RT	914.40	284883.03	637267.11

E Lake SE					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
312	643+69.37	53.92' RT	914.41	284882.43	637267.03
313	643+63.98	54.38' RT	914.48	284877.27	637266.40
314	643+61.49	49.56' RT	914.57	284875.90	637261.20
315	643+39.51	33.63' RT	916.28	284858.12	637241.38
316	643+34.18	32.69' RT	916.35	284853.18	637239.48
317	643+18.64	32.50' RT	917.02	284838.28	637236.56
318	643+18.64	27.50' RT	916.95	284839.15	637231.64
319	643+33.37	27.60' RT	916.26	284853.34	637234.34
320	643+33.26	26.86' RT	916.22	284853.37	637233.59
321	643+32.94	24.89' RT	916.19	284853.43	637231.59
322	643+32.65	23.05' RT	916.17	284853.49	637229.74
323	643+32.70	22.05' RT	916.21	284853.72	637228.76

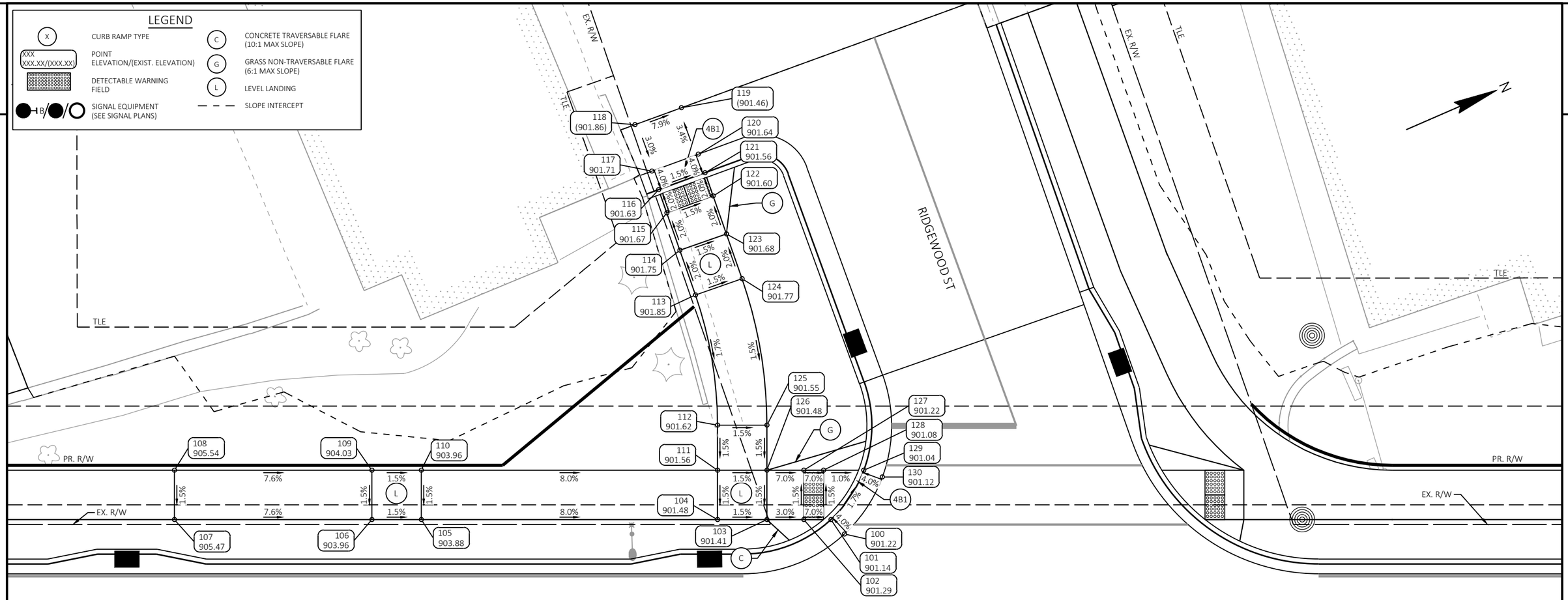
E Lake NE					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
400	644+52.39	25.25' RT	914.33	284967.64	637258.41
401	644+52.77	26.18' RT	914.29	284967.75	637259.40
402	644+53.04	28.32' RT	914.32	284967.44	637261.54
403	644+53.29	30.30' RT	914.35	284967.15	637263.51
404	644+53.36	30.81' RT	914.38	284967.07	637264.02
405	644+69.75	27.50' RT	914.87	284983.43	637265.21
406	644+74.32	27.50' RT	915.03	284987.72	637266.46
407	644+74.32	32.50' RT	915.10	284986.32	637271.26
408	644+69.75	32.50' RT	914.95	284982.04	637270.01
409	644+54.02	36.01' RT	914.46	284966.31	637269.20
410	644+49.20	38.74' RT	914.39	284961.05	637270.59
411	644+47.47	39.98' RT	914.30	284959.10	637271.34
412	644+41.35	45.88' RT	914.17	284951.83	637275.49
413	644+33.75	71.06' RT	913.89	284938.35	637297.96

E Lake NE					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
414	644+28.52	71.57' RT	913.94	284933.40	637297.21
415	644+34.39	46.82' RT	914.07	284945.09	637274.67
416	644+31.78	47.16' RT	913.94	284942.56	637274.36
417	644+28.62	47.57' RT	913.81	284939.51	637273.99
418	644+27.70	47.11' RT	913.85	284938.76	637273.33
419	644+31.21	41.50' RT	913.89	284943.45	637268.75
420	644+32.05	42.08' RT	913.85	284944.09	637269.51
421	644+35.63	41.61' RT	913.99	284947.58	637269.93
422	644+38.66	41.20' RT	914.18	284950.53	637270.29
423	644+48.51	33.23' RT	914.30	284961.86	637265.10
424	644+48.22	30.91' RT	914.30	284962.20	637262.79
425	644+47.91	28.40' RT	914.27	284962.57	637260.28
426	644+47.43	27.51' RT	914.31	284962.34	637259.30

2



PROJECT NO: 6145-01-73	HWY: USH 12	COUNTY: SAUK	CURB RAMP DETAILS: E. LAKE AVENUE	SHEET 55	E



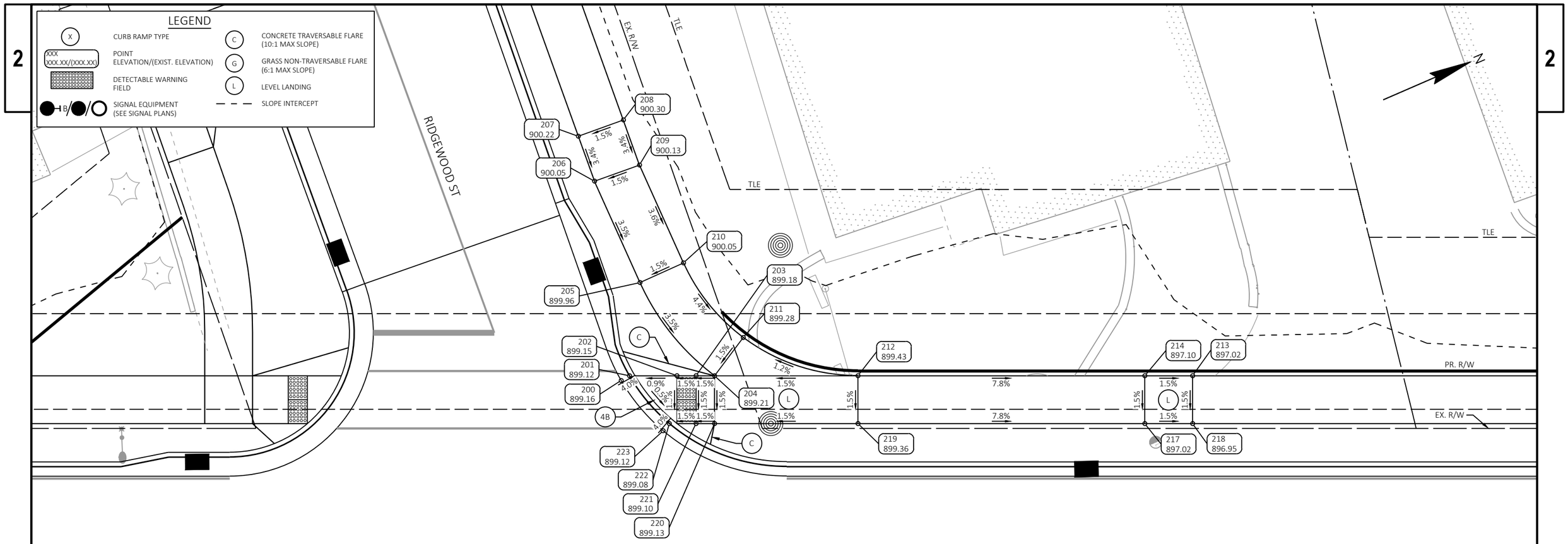
USH 12 (WISCONSIN DELLS PARKWAY)

Ridgewood SW					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
100	649+63.64	38.04' LT	901.22	285463.34	637390.03
101	649+62.28	39.50' LT	901.14	285462.67	637388.15
102	649+59.53	39.50' LT	901.29	285460.15	637387.05
103	649+55.79	39.50' LT	901.41	285456.72	637385.56
104	649+50.79	39.50' LT	901.48	285452.14	637383.56
105	649+20.79	39.50' LT	903.88	285424.63	637371.58
106	649+15.79	39.50' LT	903.96	285420.05	637369.58
107	648+95.79	39.50' LT	905.47	285401.71	637361.60
108	648+95.79	44.50' LT	905.54	285403.71	637357.01
109	649+15.79	44.50' LT	904.03	285422.05	637365.00
110	649+20.79	44.50' LT	903.96	285426.63	637366.99

Ridgewood SW					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
111	649+50.79	44.50' LT	901.56	285454.14	637378.97
112	649+50.79	49.06' LT	901.62	285455.96	637374.80
113	649+48.55	62.25' LT	901.85	285459.17	637361.81
114	649+46.97	66.78' LT	901.75	285459.53	637357.02
115	649+45.65	70.56' LT	901.67	285459.83	637353.03
116	649+44.83	72.91' LT	901.63	285460.01	637350.55
117	649+44.14	74.79' LT	901.71	285460.14	637348.55
118	649+42.43	79.49' LT	901.86	285460.44	637343.56
119	649+47.13	81.20' LT	901.46	285465.43	637343.87
120	649+48.84	76.50' LT	901.64	285465.13	637348.86
121	649+49.53	74.62' LT	901.56	285465.01	637350.85

Ridgewood SW					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
122	649+50.35	72.27' LT	901.60	285464.82	637353.34
123	649+51.69	68.43' LT	901.68	285464.52	637357.40
124	649+53.27	63.90' LT	901.77	285464.16	637362.18
125	649+55.79	49.06' LT	901.55	285460.54	637376.79
126	649+55.79	44.50' LT	901.48	285458.72	637380.97
127	649+59.53	44.50' LT	901.22	285462.15	637382.46
128	649+61.53	44.50' LT	901.08	285463.98	637383.26
129	649+65.60	44.50' LT	901.04	285467.71	637384.89
130	649+67.47	43.81' LT	901.12	285469.16	637386.27

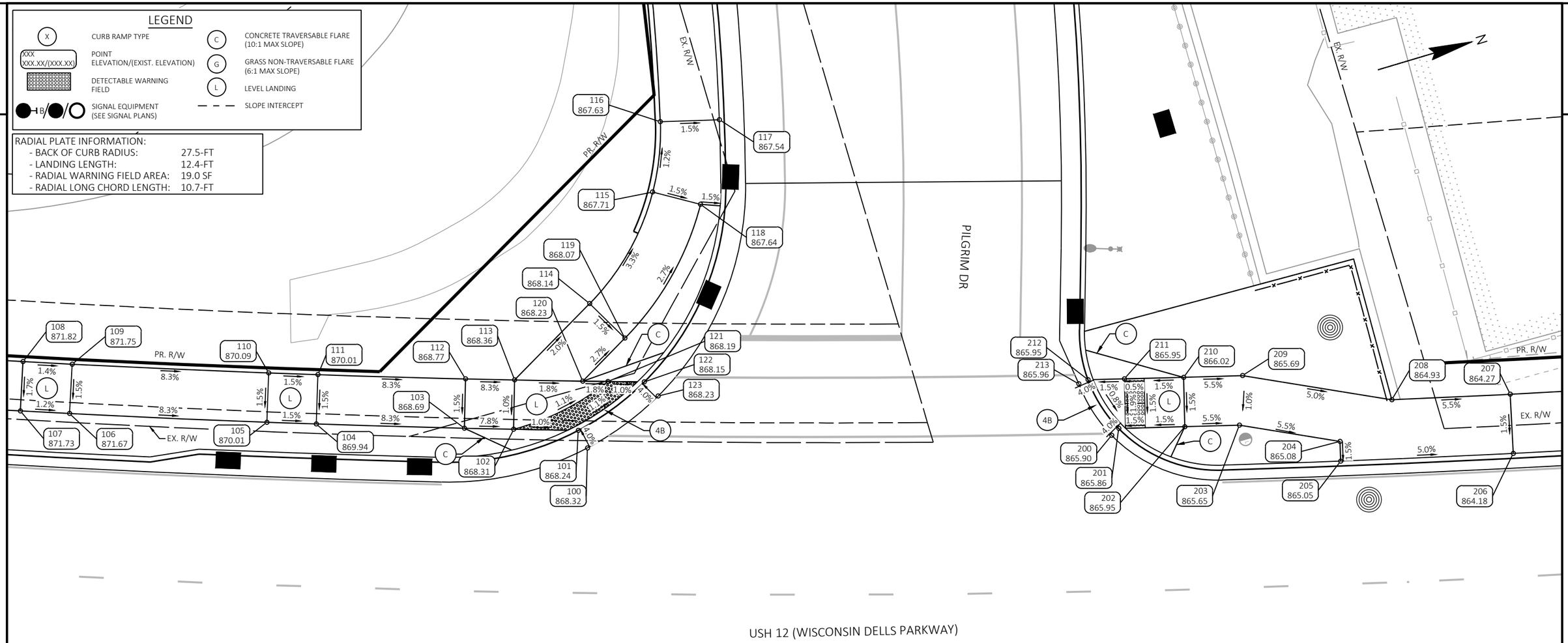
PROJECT NO: 6145-01-73	HWY: USH 12	COUNTY: SAUK	CURB RAMP DETAILS: RIDGEWOOD STREET SW	SHEET 56	E



Ridgewood NW					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
200	649+94.33	44.00' LT	899.16	285493.86	637396.82
201	649+95.20	44.50' LT	899.12	285494.85	637396.71
202	650+00.16	44.50' LT	899.15	285499.40	637398.69
203	650+02.16	44.50' LT	899.18	285501.24	637399.49
204	650+04.10	44.50' LT	899.21	285503.01	637400.26
205	649+96.30	54.24' LT	899.96	285499.75	637388.22
206	649+91.55	64.84' LT	900.05	285499.63	637376.61
207	649+89.86	69.54' LT	900.22	285499.95	637371.62

Ridgewood NW					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
208	649+94.56	71.23' LT	900.30	285504.94	637371.95
209	649+96.25	66.53' LT	900.13	285504.61	637376.94
210	650+00.86	56.29' LT	900.05	285504.75	637388.16
211	650+07.10	48.50' LT	899.28	285507.36	637397.79
212	650+19.10	44.50' LT	899.43	285516.76	637406.25
213	650+54.10	44.50' LT	897.02	285548.85	637420.23
214	650+49.10	44.50' LT	897.10	285544.26	637418.23
217	650+49.10	39.50' LT	897.02	285542.27	637422.82

Ridgewood NW					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
218	650+54.10	39.50' LT	896.95	285546.85	637424.81
219	650+19.10	39.50' LT	899.36	285514.76	637410.84
220	650+04.10	39.50' LT	899.13	285501.01	637404.85
221	650+02.16	39.50' LT	899.10	285499.24	637404.07
222	649+99.38	39.50' LT	899.08	285496.68	637402.96
223	649+98.73	38.74' LT	899.12	285495.79	637403.40



Pilgrim NW					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
200	656+62.30	44.45' LT	865.90	286104.80	637652.56
201	656+63.05	45.14' LT	865.86	286105.68	637652.10
202	656+69.98	45.29' LT	865.95	286112.15	637653.85
203	656+75.71	45.41' LT	865.65	286117.48	637655.27
204	656+86.23	43.62' LT	865.08	286126.77	637659.76
205	656+86.27	41.62' LT	865.05	286126.27	637661.70
206	657+04.34	41.95' LT	864.18	286143.24	637665.95

Pilgrim NW					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
207	657+04.23	47.95' LT	864.27	286144.66	637660.12
208	656+91.77	47.73' LT	864.93	286133.02	637657.23
209	656+76.10	50.42' LT	865.69	286119.23	637650.56
210	656+69.88	50.29' LT	866.02	286113.46	637649.03
211	656+63.64	50.16' LT	865.95	286107.67	637647.46
212	656+59.81	50.08' LT	865.95	286104.11	637646.48
213	656+58.83	49.66' LT	865.96	286103.09	637646.62

Pilgrim SW					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
100	656+07.41	42.03' LT	868.32	286053.56	637638.61
101	656+06.37	43.75' LT	868.24	286053.17	637636.65
102	655+99.61	43.57' LT	868.31	286046.94	637634.67
103	655+94.43	43.42' LT	868.69	286042.18	637633.14
104	655+78.92	42.97' LT	869.94	286027.94	637628.44
105	655+73.75	42.81' LT	870.01	286023.20	637626.84
106	655+53.08	42.16' LT	871.67	286004.31	637620.28
107	655+47.92	41.99' LT	871.73	285999.60	637618.60

Pilgrim SW					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
108	655+47.74	46.99' LT	871.82	286001.29	637613.90
109	655+52.91	47.16' LT	871.75	286005.98	637615.57
110	655+73.59	47.81' LT	870.09	286024.81	637622.11
111	655+78.76	47.97' LT	870.01	286029.53	637623.70
112	655+94.28	48.42' LT	868.77	286043.73	637628.38
113	655+99.46	48.57' LT	868.36	286048.47	637629.91
114	656+06.99	56.65' LT	868.14	286057.96	637624.67
115	656+13.20	68.19' LT	867.71	286067.29	637615.67

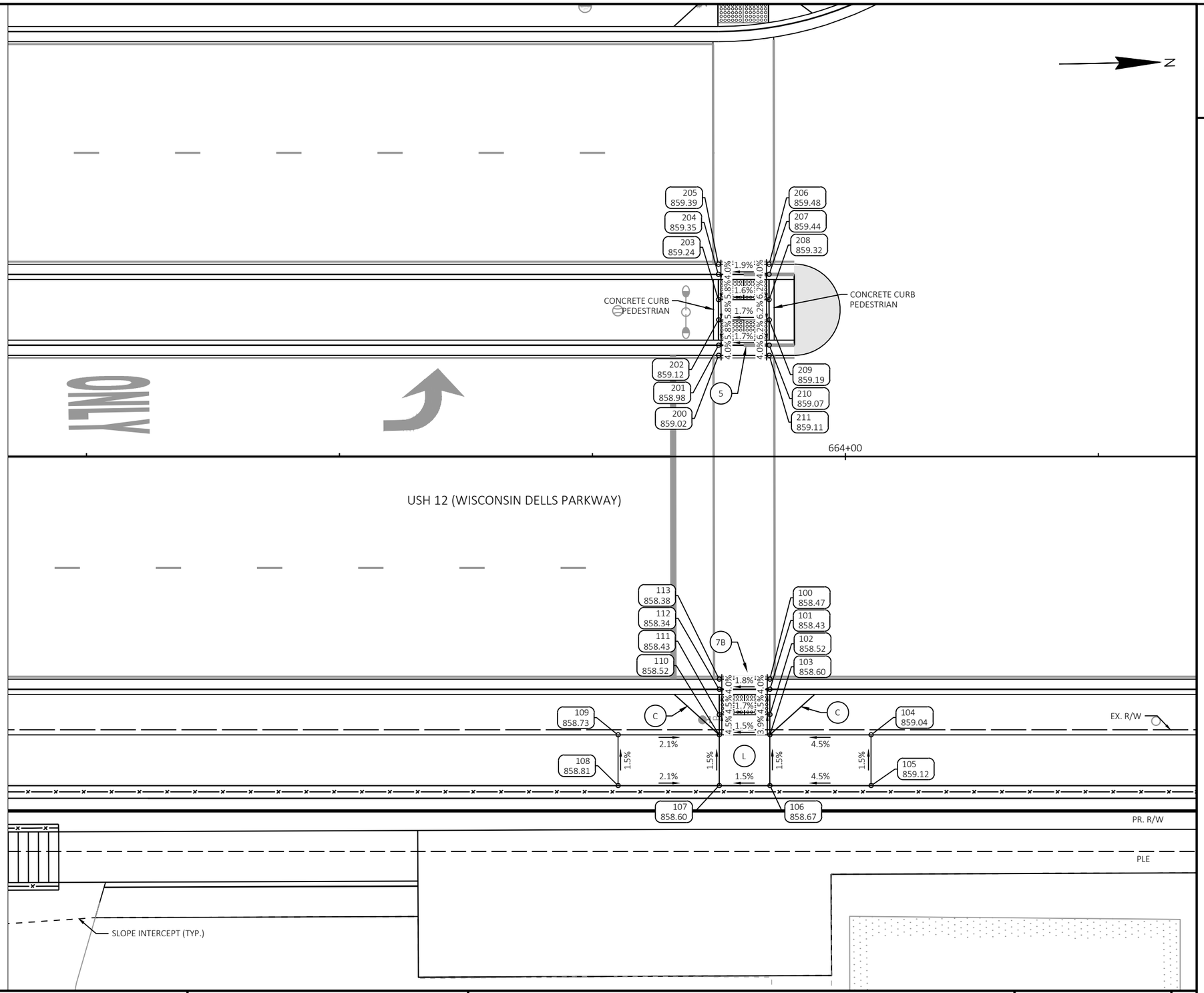
PROJECT NO: 6145-01-72	HWY: USH 12	COUNTY: SAUK	CURB RAMP DETAILS: PILGRIM DRIVE	SHEET 58	E

LEGEND

- X — CURB RAMP TYPE
- XXX / XXX.XX/(XXX.XX) — POINT ELEVATION/(EXIST. ELEVATION)
- DETECTABLE WARNING FIELD
- B — SIGNAL EQUIPMENT (SEE SIGNAL PLANS)
- C — CONCRETE TRAVERSABLE FLARE (10:1 MAX SLOPE)
- G — GRASS NON-TRAVERSABLE FLARE (6:1 MAX SLOPE)
- L — LEVEL LANDING
- SLOPE INTERCEPT

Olympus S Median					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
200	663+87.46	10.00' LT	859.02	286812.14	637745.59
201	663+87.46	11.00' LT	858.98	286812.16	637744.59
202	663+87.46	13.50' LT	859.12	286812.20	637742.09
203	663+87.45	15.50' LT	859.24	286812.23	637740.09
204	663+87.45	18.00' LT	859.35	286812.27	637737.59
205	663+87.45	19.00' LT	859.39	286812.29	637736.59
206	663+92.45	19.00' LT	859.48	286817.29	637736.68
207	663+92.45	18.00' LT	859.44	286817.27	637737.68
208	663+92.45	15.50' LT	859.32	286817.23	637740.18
209	663+92.46	13.50' LT	859.19	286817.20	637742.18
210	663+92.46	11.00' LT	859.07	286817.16	637744.68
211	663+92.46	10.00' LT	859.11	286817.14	637745.68

Olympus SE					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
100	663+92.52	22.00' RT	858.47	286816.62	637777.68
101	663+92.52	23.00' RT	858.43	286816.60	637778.68
102	663+92.53	25.50' RT	858.52	286816.56	637781.18
103	663+92.53	27.50' RT	858.60	286816.53	637783.18
104	664+02.53	27.50' RT	859.04	286826.53	637783.36
105	664+02.53	32.50' RT	859.12	286826.44	637788.36
106	663+92.53	32.50' RT	858.67	286816.44	637788.18
107	663+87.53	32.50' RT	858.60	286811.44	637788.09
108	663+77.53	32.50' RT	858.81	286801.44	637787.90
109	663+77.53	27.50' RT	858.73	286801.53	637782.91
110	663+87.53	27.50' RT	858.52	286811.53	637783.09
111	663+87.53	25.51' RT	858.43	286811.56	637781.10
112	663+87.52	23.00' RT	858.34	286811.60	637778.59
113	663+87.52	22.00' RT	858.38	286811.62	637777.59



PROJECT NO: 6145-01-72	HWY: USH 12	COUNTY: SAUK	CURB RAMP DETAILS: OLYMPUS DR SE	SHEET 59	E

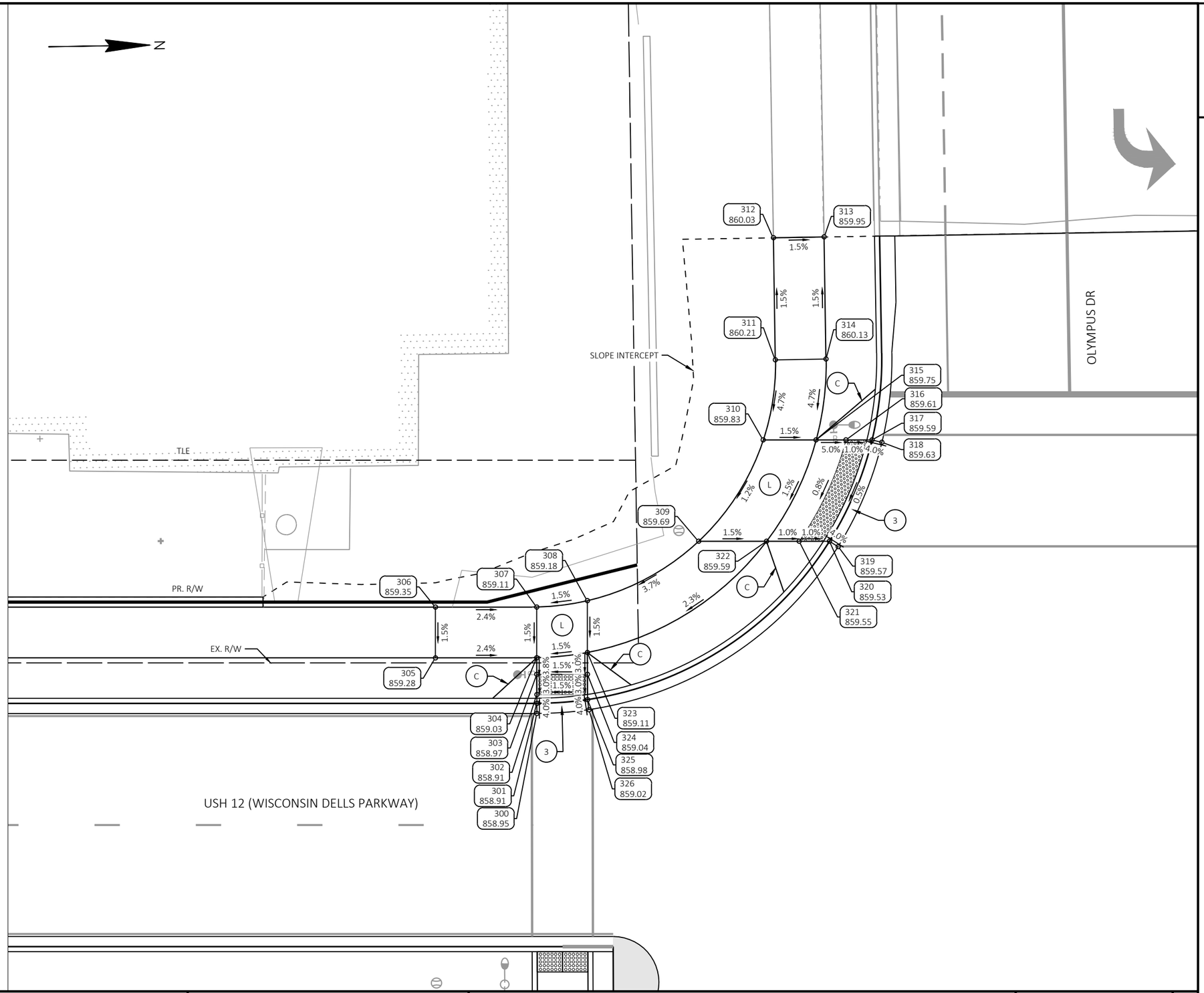
FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-72\021301_CR.DWG
LAYOUT NAME - 18
PLOT DATE : 6/18/2025 1:07 PM
PLOT BY : BARRETT, WILL
PLOT NAME :
PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42

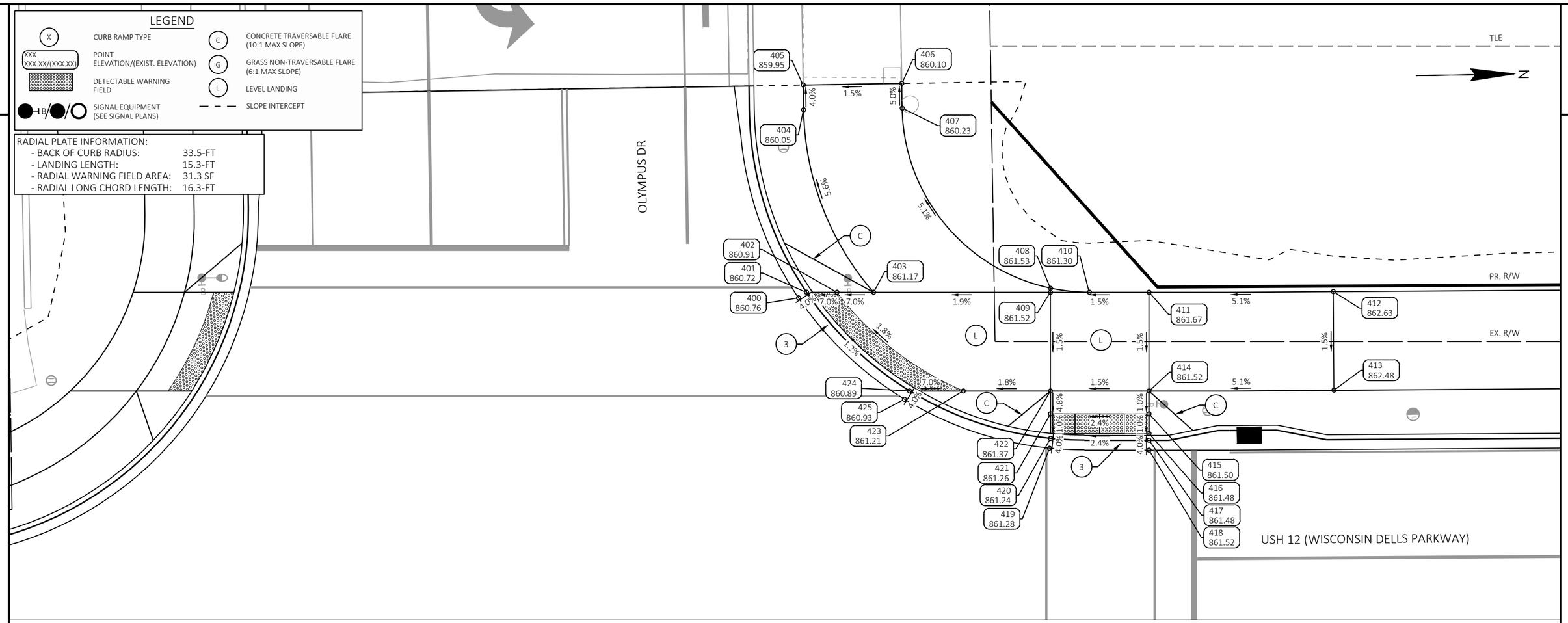
LEGEND

X	CURB RAMP TYPE	C	CONCRETE TRAVERSABLE FLARE (10:1 MAX SLOPE)
XXX XXX.XX/(XXX.XX)	POINT ELEVATION/(EXIST. ELEVATION)	G	GRASS NON-TRAVERSABLE FLARE (6:1 MAX SLOPE)
	DETECTABLE WARNING FIELD	L	LEVEL LANDING
B	SIGNAL EQUIPMENT (SEE SIGNAL PLANS)		SLOPE INTERCEPT

RADIAL PLATE INFORMATION:
- BACK OF CURB RADIUS: 33.5-FT
- LANDING LENGTH: 6.7-FT
- RADIAL WARNING FIELD AREA: 22.0 SF
- RADIAL LONG CHORD LENGTH: 11.0-FT

Olympus SW					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
300	663+87.41	41.00' LT	858.95	286812.65	637714.59
301	663+87.40	42.00' LT	858.91	286812.66	637713.60
302	663+87.40	42.86' LT	858.91	286812.68	637712.74
303	663+87.40	44.86' LT	858.97	286812.71	637710.74
304	663+87.39	46.50' LT	859.03	286812.73	637709.10
305	663+77.40	46.48' LT	859.28	286802.74	637708.93
306	663+77.40	51.50' LT	859.35	286802.83	637703.92
307	663+87.39	51.50' LT	859.11	286812.82	637704.09
308	663+92.39	52.12' LT	859.18	286817.83	637703.56
309	664+03.38	58.00' LT	859.69	286828.92	637697.89
310	664+09.75	68.00' LT	859.83	286835.47	637688.00
311	664+10.95	75.89' LT	860.21	286836.82	637680.13
312	664+10.75	87.94' LT	860.03	286836.84	637668.09
313	664+15.75	88.02' LT	859.95	286841.84	637668.10
314	664+15.95	75.97' LT	860.13	286841.82	637680.14
315	664+14.97	68.00' LT	859.75	286840.69	637688.10
316	664+17.91	68.00' LT	859.61	286843.63	637688.15
317	664+20.49	68.00' LT	859.59	286846.21	637688.20
318	664+21.46	67.76' LT	859.63	286847.18	637688.45
319	664+17.14	57.47' LT	859.57	286842.67	637698.67
320	664+16.29	58.00' LT	859.53	286841.83	637698.12
321	664+13.29	58.00' LT	859.55	286838.84	637698.07
322	664+10.08	58.00' LT	859.59	286835.62	637698.01
323	663+92.40	47.02' LT	859.11	286817.74	637708.67
324	663+92.40	44.87' LT	859.04	286817.71	637710.82
325	663+92.40	42.36' LT	858.98	286817.67	637713.32
326	663+92.55	41.37' LT	859.02	286817.80	637714.31





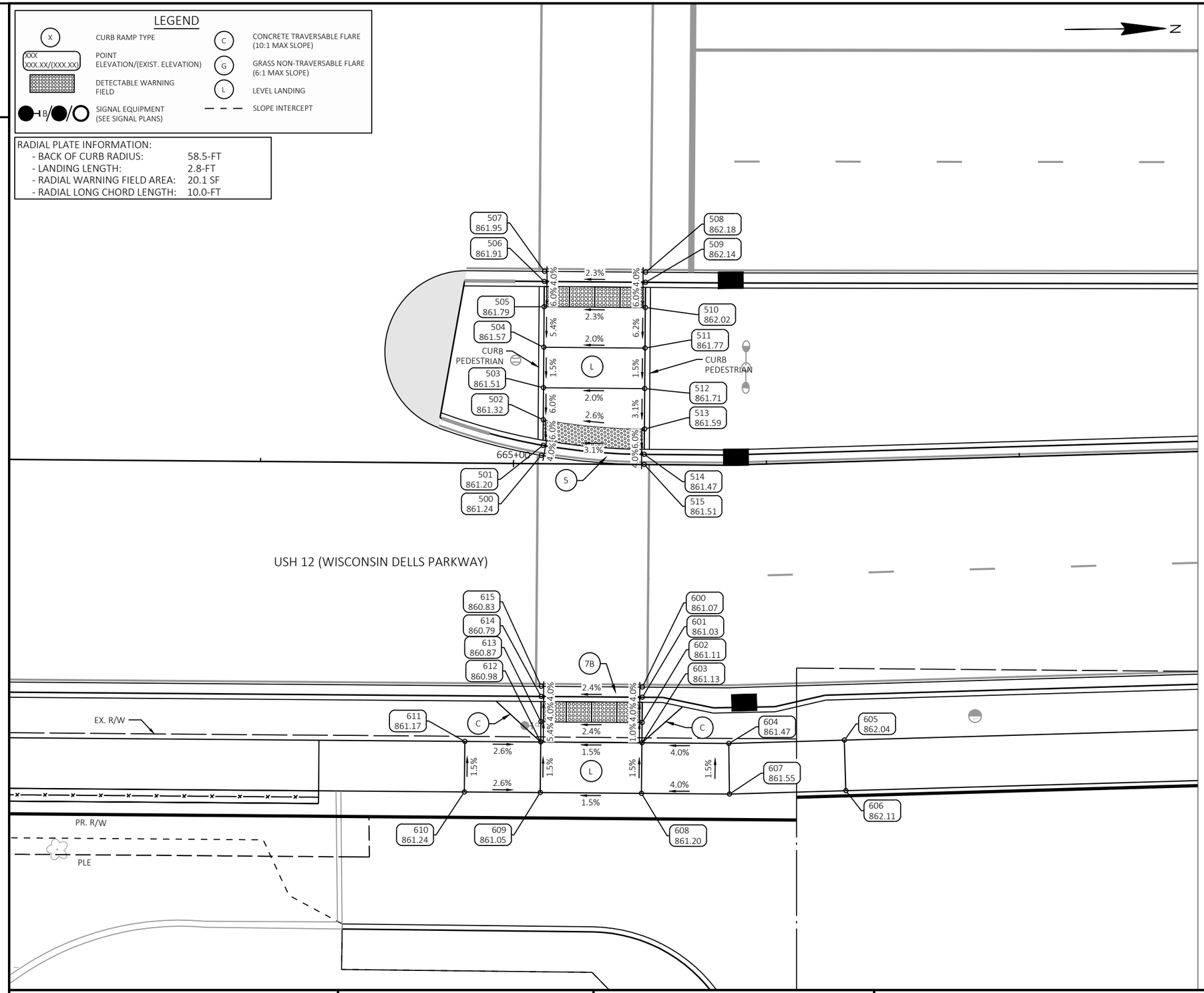
Olympus NW					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
400	664+77.25	67.44' LT	860.76	286902.96	637689.78
401	664+78.08	68.00' LT	860.72	286903.80	637689.24
402	664+81.15	68.00' LT	860.91	286906.87	637689.30
403	664+84.87	68.00' LT	861.17	286910.58	637689.36
404	664+77.78	86.53' LT	860.05	286903.83	637670.71
405	664+77.74	89.03' LT	859.95	286903.84	637668.20
406	664+87.74	89.20' LT	860.10	286913.84	637668.22
407	664+87.78	86.69' LT	860.23	286913.83	637670.73
408	665+02.83	68.42' LT	861.53	286928.54	637689.27
409	665+02.84	68.00' LT	861.52	286928.54	637689.69
410	665+06.78	68.00' LT	861.30	286932.49	637689.76
411	665+12.84	68.00' LT	861.67	286938.54	637689.87
412	665+34.04	67.63' LT	862.63	286957.24	637690.14

Olympus NW					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
413	665+33.73	57.64' LT	862.48	286957.12	637700.14
414	665+12.84	58.00' LT	861.52	286938.36	637699.87
415	665+12.84	55.68' LT	861.50	286938.32	637702.19
416	665+12.83	53.68' LT	861.48	286938.28	637704.19
417	665+12.84	53.00' LT	861.48	286938.27	637704.87
418	665+12.84	52.00' LT	861.52	286938.25	637705.87
419	665+02.73	52.18' LT	861.28	286928.16	637705.50
420	665+02.84	53.17' LT	861.24	286928.28	637704.51
421	665+02.84	55.68' LT	861.26	286928.32	637702.01
422	665+02.84	58.00' LT	861.37	286928.36	637699.69
423	664+93.98	58.00' LT	861.21	286919.51	637699.53
424	664+88.53	58.00' LT	860.89	286914.06	637699.43
425	664+88.01	57.15' LT	860.93	286913.52	637700.27

LEGEND

X	CURB RAMP TYPE	C	CONCRETE TRAVERSABLE FLARE (10:1 MAX SLOPE)
XXX XXX.XX/(XXX.XX)	POINT ELEVATION/(EXIST. ELEVATION)	G	GRASS NON-TRAVERSABLE FLARE (6:1 MAX SLOPE)
	DETECTABLE WARNING FIELD	L	LEVEL LANDING
B	SIGNAL EQUIPMENT (SEE SIGNAL PLANS)		SLOPE INTERCEPT

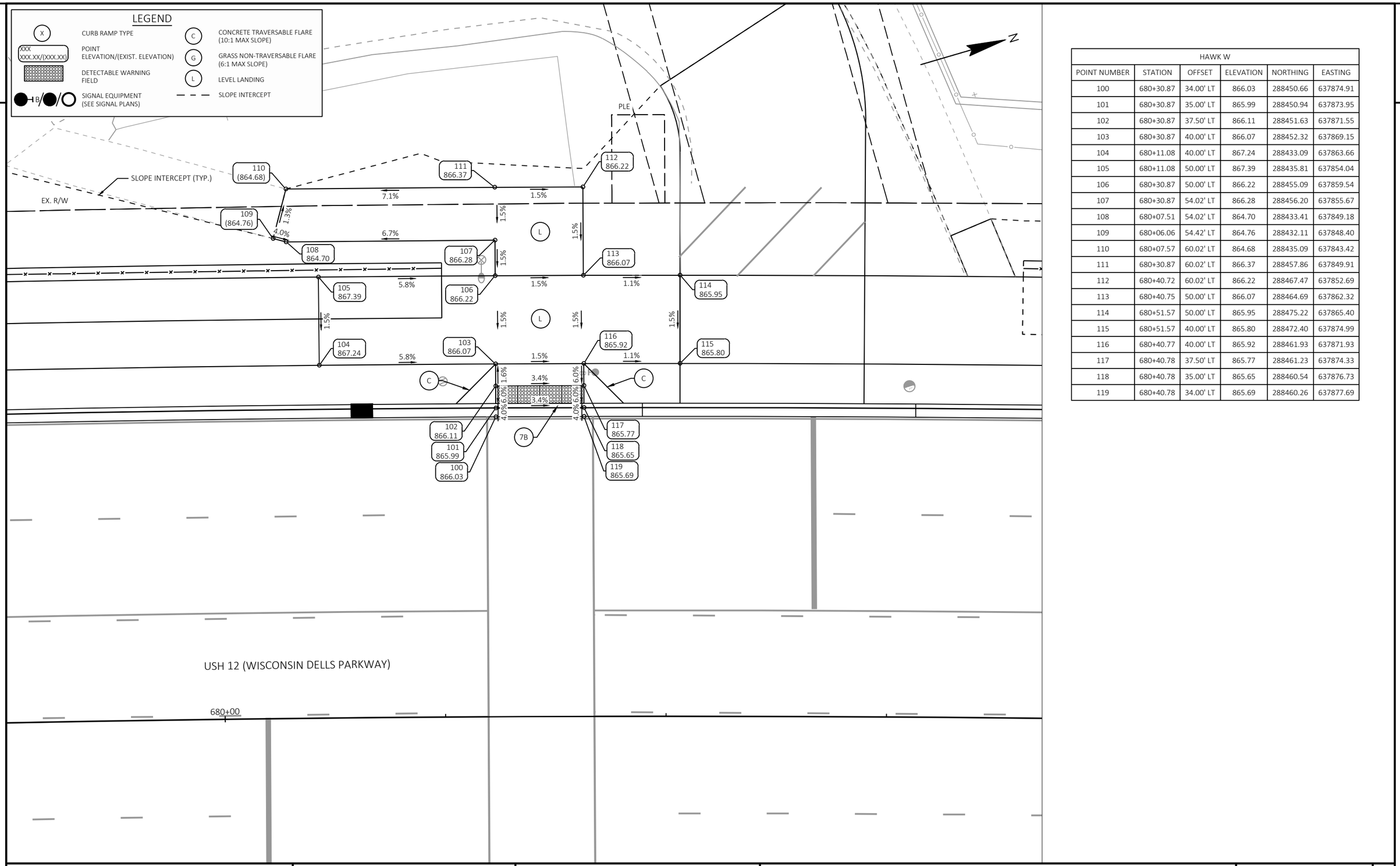
RADIAL PLATE INFORMATION:
- BACK OF CURB RADIUS: 58.5-FT
- LANDING LENGTH: 2.8-FT
- RADIAL WARNING FIELD AREA: 20.1 SF
- RADIAL LONG CHORD LENGTH: 10.0-FT



Olympus N Median					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
500	665+02.74	0.82' LT	861.24	286927.24	637756.86
501	665+02.91	1.80' LT	861.20	286927.42	637755.87
502	665+02.91	4.34' LT	861.32	286927.46	637753.34
503	665+02.91	7.50' LT	861.51	286927.52	637750.18
504	665+02.91	11.50' LT	861.57	286927.59	637746.18
505	665+02.91	15.50' LT	861.79	286927.67	637742.18
506	665+02.91	18.00' LT	861.91	286927.71	637739.68
507	665+02.91	19.00' LT	861.95	286927.73	637738.68
508	665+12.91	19.00' LT	862.18	286937.73	637738.86
509	665+12.91	18.00' LT	862.14	286937.71	637739.86
510	665+12.91	15.50' LT	862.02	286937.66	637742.36
511	665+12.91	11.50' LT	861.77	286937.59	637746.36
512	665+12.91	7.50' LT	861.71	286937.52	637750.36
513	665+12.91	3.50' LT	861.59	286937.45	637754.36
514	665+12.91	1.00' LT	861.47	286937.40	637756.86
515	665+12.91	0.00'	861.51	286937.38	637757.86

Olympus NE					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
600	665+12.91	22.00' RT	861.07	286936.99	637779.86
601	665+12.91	23.00' RT	861.03	286936.97	637780.86
602	665+12.91	25.50' RT	861.11	286936.92	637783.35
603	665+12.91	27.50' RT	861.13	286936.89	637785.35
604	665+20.99	27.50' RT	861.47	286945.48	637785.51
605	665+31.90	27.50' RT	862.04	286956.89	637785.29
606	665+31.90	32.50' RT	862.11	286956.99	637790.29
607	665+20.99	32.51' RT	861.55	286945.48	637790.51
608	665+12.91	32.50' RT	861.20	286936.80	637790.35
609	665+02.91	32.50' RT	861.05	286926.80	637790.17
610	664+95.41	32.50' RT	861.24	286919.30	637790.04
611	664+95.41	27.50' RT	861.17	286919.39	637785.04
612	665+02.91	27.50' RT	860.98	286926.89	637785.17
613	665+02.91	25.50' RT	860.87	286926.92	637783.17
614	665+02.91	23.00' RT	860.79	286926.97	637780.67
615	665+02.91	22.00' RT	860.83	286926.99	637779.67

PROJECT NO: 6145-01-72	HWY: USH 12	COUNTY: SAUK	CURB RAMP DETAILS: OLYMPUS DR NE	SHEET 62	E



HAWK W					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
100	680+30.87	34.00' LT	866.03	288450.66	637874.91
101	680+30.87	35.00' LT	865.99	288450.94	637873.95
102	680+30.87	37.50' LT	866.11	288451.63	637871.55
103	680+30.87	40.00' LT	866.07	288452.32	637869.15
104	680+11.08	40.00' LT	867.24	288433.09	637863.66
105	680+11.08	50.00' LT	867.39	288435.81	637854.04
106	680+30.87	50.00' LT	866.22	288455.09	637859.54
107	680+30.87	54.02' LT	866.28	288456.20	637855.67
108	680+07.51	54.02' LT	864.70	288433.41	637849.18
109	680+06.06	54.42' LT	864.76	288432.11	637848.40
110	680+07.57	60.02' LT	864.68	288435.09	637843.42
111	680+30.87	60.02' LT	866.37	288457.86	637849.91
112	680+40.72	60.02' LT	866.22	288467.47	637852.69
113	680+40.75	50.00' LT	866.07	288464.69	637862.32
114	680+51.57	50.00' LT	865.95	288475.22	637865.40
115	680+51.57	40.00' LT	865.80	288472.40	637874.99
116	680+40.77	40.00' LT	865.92	288461.93	637871.93
117	680+40.78	37.50' LT	865.77	288461.23	637874.33
118	680+40.78	35.00' LT	865.65	288460.54	637876.73
119	680+40.78	34.00' LT	865.69	288460.26	637877.69

2

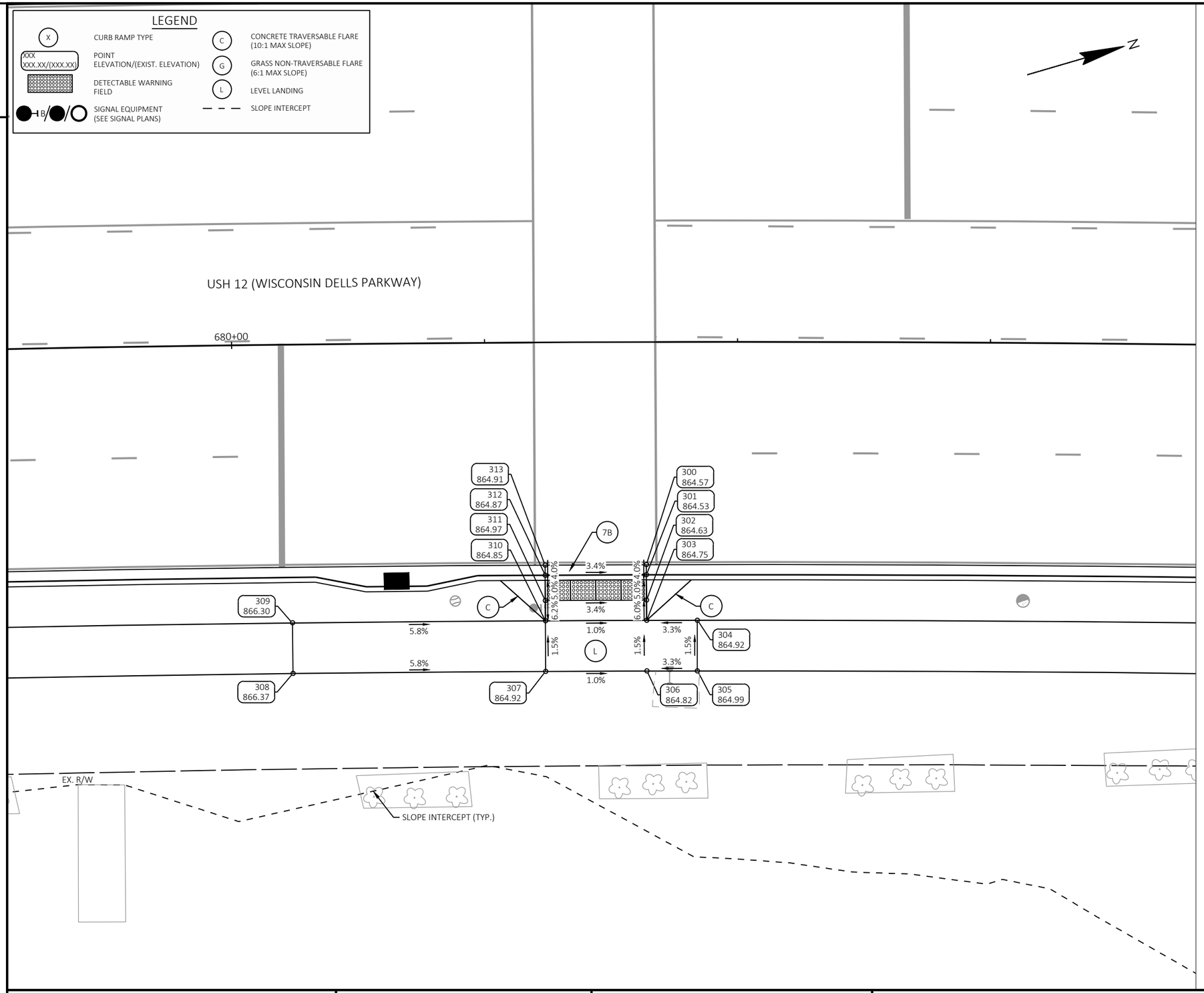
PROJECT NO: 6145-01-72	HWY: USH 12	COUNTY: SAUK	CURB RAMP DETAILS: HAWK W	SHEET 63	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-72\021301_CR.DWG
LAYOUT NAME - 22
PLOT DATE : 6/18/2025 1:09 PM
PLOT BY : BARRETT, WILL
PLOT NAME :
PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42

2

LEGEND

- X — CURB RAMP TYPE
- XXX / XXX.XX/(XXX.XX) — POINT ELEVATION/(EXIST. ELEVATION)
- DETECTABLE WARNING FIELD
- B/●/○ — SIGNAL EQUIPMENT (SEE SIGNAL PLANS)
- C — CONCRETE TRAVERSABLE FLARE (10:1 MAX SLOPE)
- G — GRASS NON-TRAVERSABLE FLARE (6:1 MAX SLOPE)
- L — LEVEL LANDING
- SLOPE INTERCEPT

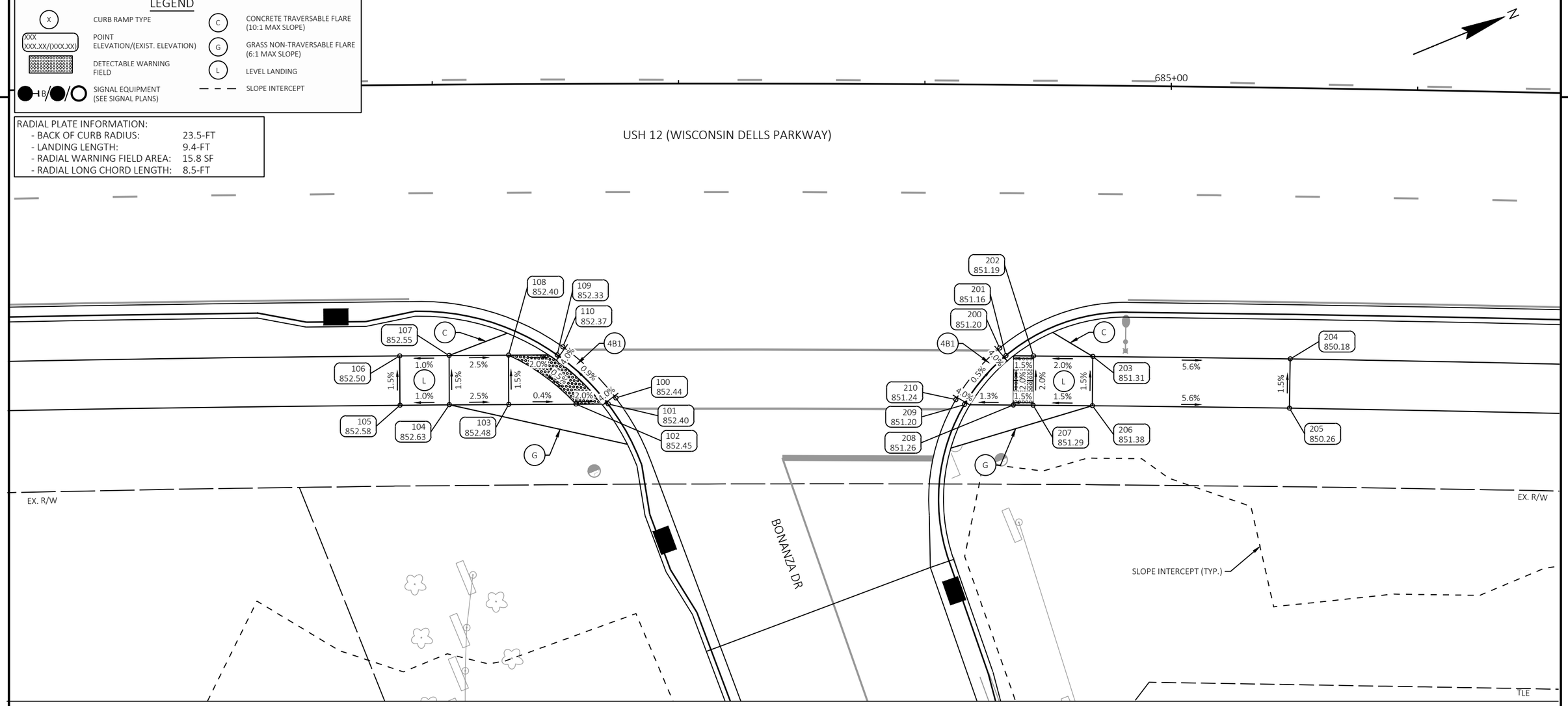


HAWK E					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
300	680+40.93	22.00' RT	864.57	288444.77	637931.51
301	680+40.93	23.00' RT	864.53	288444.49	637932.47
302	680+40.94	25.50' RT	864.63	288443.79	637934.87
303	680+40.95	27.50' RT	864.75	288443.24	637936.79
304	680+45.98	27.50' RT	864.92	288448.04	637938.19
305	680+45.98	32.50' RT	864.99	288446.64	637942.99
306	680+40.96	32.50' RT	864.82	288441.86	637941.59
307	680+30.87	32.50' RT	864.92	288432.25	637938.81
308	680+05.70	32.50' RT	866.37	288408.24	637931.98
309	680+05.69	27.50' RT	866.30	288409.59	637927.17
310	680+30.87	27.50' RT	864.85	288433.64	637934.01
311	680+30.87	25.50' RT	864.97	288434.19	637932.09
312	680+30.87	23.00' RT	864.87	288434.88	637929.69
313	680+30.87	22.00' RT	864.91	288435.16	637928.72

LEGEND

X	CURB RAMP TYPE	C	CONCRETE TRAVERSABLE FLARE (10:1 MAX SLOPE)
XXX XXX.XX/(XXX.XX)	POINT ELEVATION/(EXIST. ELEVATION)	G	GRASS NON-TRAVERSABLE FLARE (6:1 MAX SLOPE)
	DETECTABLE WARNING FIELD	L	LEVEL LANDING
B	SIGNAL EQUIPMENT (SEE SIGNAL PLANS)		SLOPE INTERCEPT

RADIAL PLATE INFORMATION:
- BACK OF CURB RADIUS: 23.5-FT
- LANDING LENGTH: 9.4-FT
- RADIAL WARNING FIELD AREA: 15.8 SF
- RADIAL LONG CHORD LENGTH: 8.5-FT



Bonanza SE					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
100	684+43.55	31.89' RT	852.44	288818.80	638072.47
101	684+42.74	32.50' RT	852.40	288817.83	638072.73
102	684+39.46	32.50' RT	852.45	288814.82	638071.50
103	684+32.59	32.50' RT	852.48	288808.51	638068.94
104	684+26.50	32.50' RT	852.63	288802.91	638066.67
105	684+21.46	32.50' RT	852.58	288798.28	638064.80

Bonanza SE					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
106	684+21.46	27.50' RT	852.50	288800.14	638060.16
107	684+26.51	27.50' RT	852.55	288804.79	638062.04
108	684+32.59	27.50' RT	852.40	288810.39	638064.30
109	684+37.56	27.50' RT	852.33	288814.96	638066.16
110	684+38.14	26.69' RT	852.37	288815.81	638065.63

Bonanza NE					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
200	684+82.78	26.74' RT	851.20	288856.74	638082.63
201	684+83.43	27.50' RT	851.16	288857.03	638083.59
202	684+86.24	27.50' RT	851.19	288859.60	638084.67
203	684+92.30	27.50' RT	851.31	288865.15	638087.02
204	685+12.48	27.50' RT	850.18	288883.57	638094.89
205	685+12.48	32.50' RT	850.26	288881.60	638099.48

Bonanza NE					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
206	684+92.31	32.50' RT	851.38	288863.20	638091.63
207	684+86.24	32.50' RT	851.29	288857.66	638089.28
208	684+84.22	32.50' RT	851.26	288855.82	638088.50
209	684+79.21	32.50' RT	851.20	288851.24	638086.58
210	684+78.34	32.00' RT	851.24	288850.64	638085.78

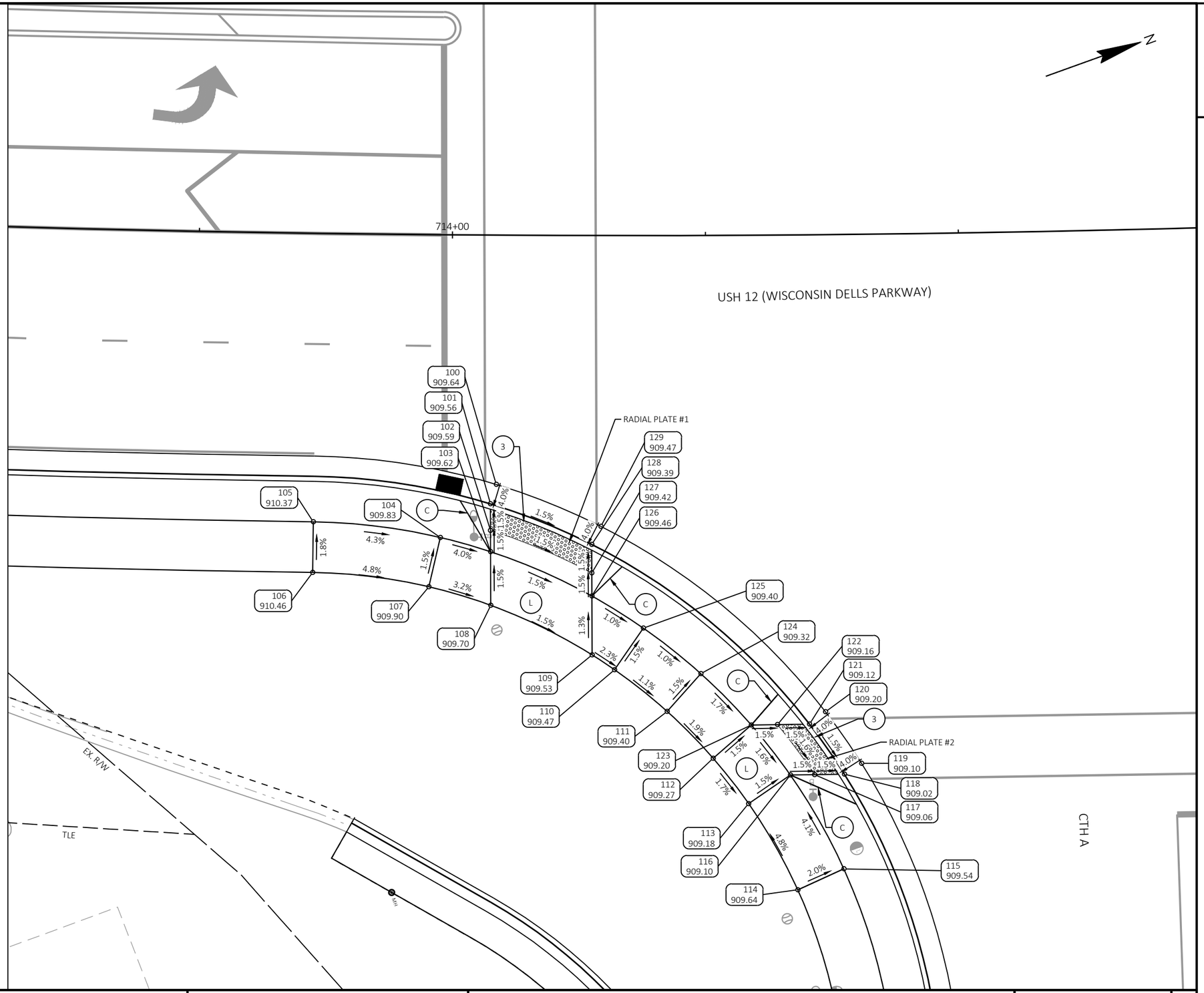
LEGEND

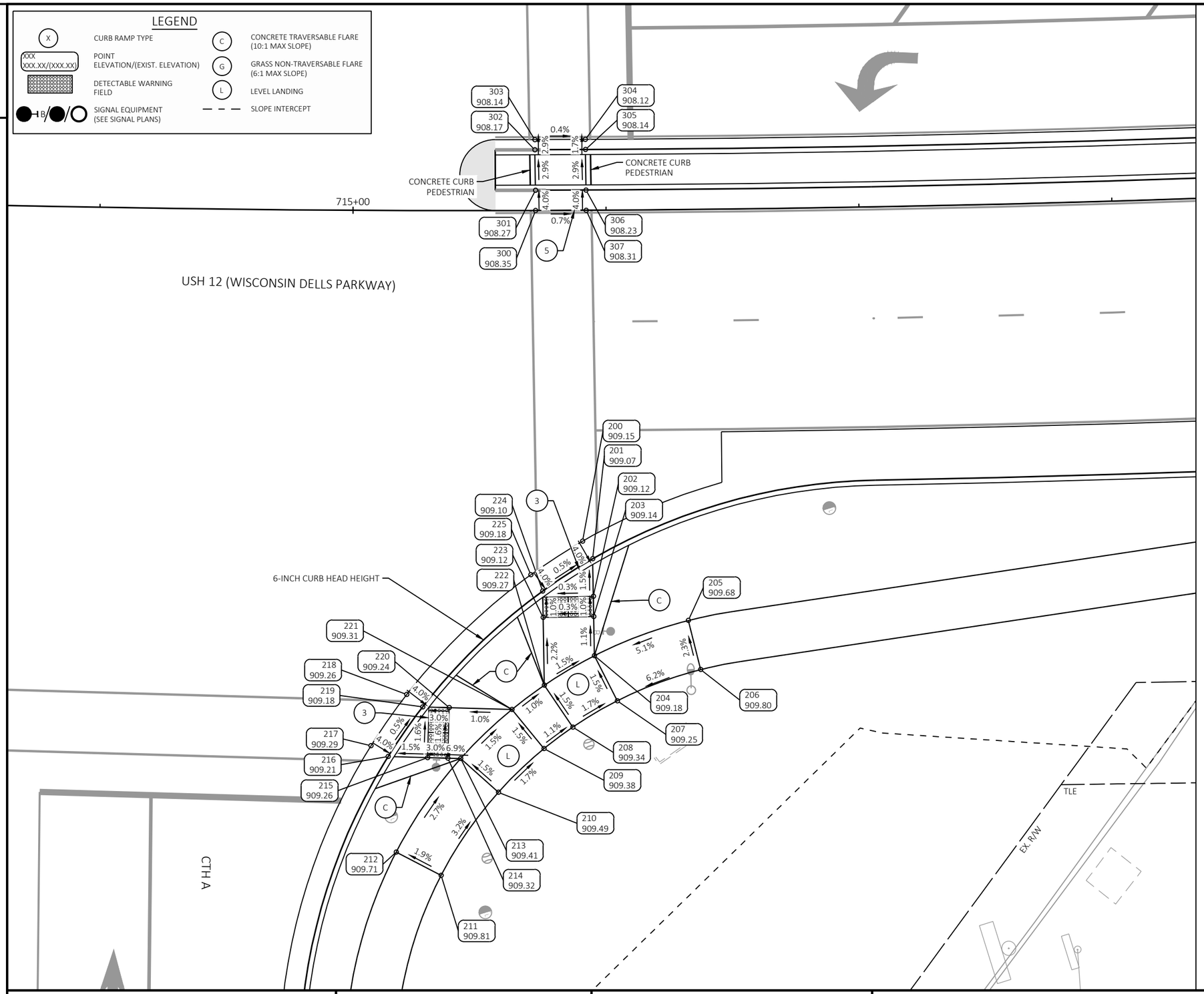
(X)	CURB RAMP TYPE	(C)	CONCRETE TRAVERSABLE FLARE (10:1 MAX SLOPE)
XXX XXX.XX/(XXX.XX)	POINT ELEVATION/(EXIST. ELEVATION)	(G)	GRASS NON-TRAVERSABLE FLARE (6:1 MAX SLOPE)
	DETECTABLE WARNING FIELD	(L)	LEVEL LANDING
B	SIGNAL EQUIPMENT (SEE SIGNAL PLANS)		SLOPE INTERCEPT

RADIAL PLATE #1 INFORMATION:
- BACK OF CURB RADIUS: 62.5-FT
- LANDING LENGTH: 6.3-FT
- RADIAL WARNING FIELD AREA: 21.7 SF
- RADIAL LONG CHORD LENGTH: 10.9-FT

RADIAL PLATE #2 INFORMATION:
- BACK OF CURB RADIUS: 62.5-FT
- LANDING LENGTH: 6.0-FT
- RADIAL WARNING FIELD AREA: 12.2 SF
- RADIAL LONG CHORD LENGTH: 6.2-FT

CTH A SE					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
100	714+04.48	24.62' RT	909.64	291289.13	639679.10
101	714+03.92	26.54' RT	909.56	291287.94	639680.70
102	714+03.94	29.16' RT	909.59	291287.06	639683.17
103	714+03.96	31.27' RT	909.62	291286.35	639685.15
104	713+99.05	29.90' RT	909.83	291282.15	639682.15
105	713+86.66	28.50' RT	910.37	291270.87	639676.46
106	713+86.66	33.50' RT	910.46	291269.12	639681.14
107	713+97.97	34.78' RT	909.90	291279.44	639686.35
108	714+04.01	36.56' RT	909.70	291284.58	639690.14
109	714+13.86	41.42' RT	909.53	291292.35	639698.14
110	714+16.04	42.89' RT	909.47	291293.94	639700.27
111	714+21.12	47.01' RT	909.40	291297.43	639705.91
112	714+25.56	51.66' RT	909.27	291300.15	639711.80
113	714+28.96	56.16' RT	909.18	291301.93	639717.21
114	714+33.62	64.70' RT	909.64	291303.62	639726.86
115	714+38.06	62.67' RT	909.54	291308.60	639726.45
116	714+33.00	53.36' RT	909.10	291306.77	639715.94
117	714+35.33	53.34' RT	909.06	291309.04	639716.72
118	714+38.21	53.32' RT	909.02	291311.83	639717.67
119	714+39.87	52.27' RT	909.10	291313.78	639717.24
120	714+36.44	47.13' RT	909.20	291312.15	639711.23
121	714+34.88	48.34' RT	909.12	291310.25	639711.85
122	714+31.79	48.37' RT	909.16	291307.26	639710.83
123	714+29.26	48.39' RT	909.20	291304.81	639709.99
124	714+24.40	43.30' RT	909.32	291301.83	639703.53
125	714+18.84	38.78' RT	909.40	291298.01	639697.37
126	714+13.84	35.61' RT	909.46	291294.30	639692.66
127	714+13.83	33.33' RT	909.42	291295.06	639690.52
128	714+13.81	30.51' RT	909.39	291296.00	639687.86
129	714+14.70	28.72' RT	909.47	291297.46	639686.48

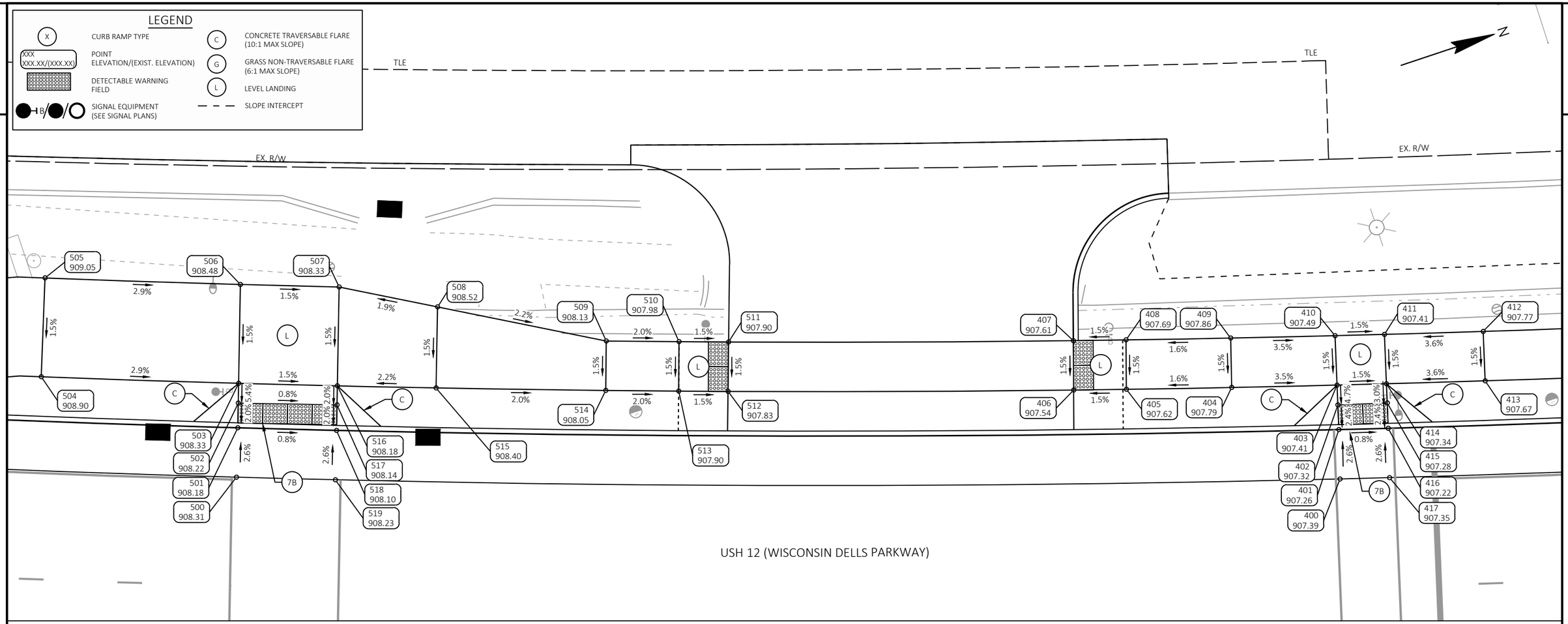




CTH A N Median					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
300	715+18.04	0.00'	908.35	291405.22	639692.16
301	715+18.04	2.00' LT	908.27	291405.81	639690.25
302	715+17.98	6.00' LT	908.17	291406.93	639686.41
303	715+17.98	7.00' LT	908.14	291407.23	639685.46
304	715+23.00	7.00' LT	908.12	291412.00	639686.92
305	715+23.00	6.00' LT	908.14	291411.71	639687.87
306	715+23.04	2.00' LT	908.23	291410.59	639691.71
307	715+23.04	0.00'	908.31	291410.01	639693.63

CTH A NE					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
200	715+22.52	32.70' RT	909.15	291399.98	639724.75
201	715+23.50	34.43' RT	909.07	291400.43	639726.70
202	715+23.54	38.16' RT	909.12	291399.39	639730.28
203	715+23.57	40.16' RT	909.14	291398.83	639732.20
204	715+23.61	44.02' RT	909.18	291397.75	639735.91
205	715+32.73	40.62' RT	909.68	291407.64	639735.34
206	715+33.89	45.47' RT	909.80	291407.38	639740.33
207	715+25.80	48.49' RT	909.25	291398.59	639740.84
208	715+21.49	51.07' RT	909.34	291393.62	639742.02
209	715+18.70	53.18' RT	909.38	291390.27	639743.21
210	715+14.30	57.49' RT	909.49	291384.69	639745.99
211	715+08.80	65.70' RT	909.81	291376.85	639752.16
212	715+04.49	63.41' RT	909.71	291373.30	639748.65
213	715+10.67	54.16' RT	909.41	291382.12	639741.71
214	715+09.43	54.12' RT	909.32	291380.91	639741.30
215	715+07.48	54.07' RT	909.26	291379.02	639740.65
216	715+03.68	53.97' RT	909.21	291375.33	639739.39
217	715+02.02	52.92' RT	909.29	291374.03	639737.88
218	715+05.45	47.83' RT	909.26	291378.91	639734.08
219	715+07.00	49.05' RT	909.18	291380.05	639735.72
220	715+09.56	49.12' RT	909.24	291382.53	639736.57
221	715+15.62	49.31' RT	909.31	291388.40	639738.57
222	715+18.76	46.92' RT	909.27	291392.16	639737.24
223	715+18.66	40.22' RT	909.12	291394.03	639730.80
224	715+18.62	37.61' RT	909.10	291394.76	639728.30
225	715+17.48	35.99' RT	909.18	291394.12	639726.40

PROJECT NO: 6145-01-74	HWY: USH 12	COUNTY: SAUK	CURB RAMP DETAILS: CTH A NE	SHEET 67	E



CTH A SW					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
500	714+03.17	44.00' LT	908.31	291311.53	639614.22
501	714+03.17	49.00' LT	908.18	291313.25	639609.52
502	714+03.15	51.50' LT	908.22	291314.09	639607.17
503	714+03.13	53.50' LT	908.33	291314.76	639605.28
504	713+82.61	53.50' LT	908.90	291296.02	639598.30
505	713+82.61	63.50' LT	909.05	291299.55	639588.95
506	714+03.03	63.50' LT	908.48	291318.11	639595.86
507	714+13.33	63.50' LT	908.33	291327.51	639599.28
508	714+23.64	61.70' LT	908.52	291336.32	639604.36
509	714+41.27	58.50' LT	908.13	291351.42	639613.05

CTH A SW					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
510	714+48.85	58.50' LT	907.98	291358.39	639615.46
511	714+54.01	58.50' LT	907.90	291363.14	639617.08
512	714+53.98	53.50' LT	907.83	291361.50	639621.80
513	714+48.85	53.50' LT	907.90	291356.77	639620.19
514	714+41.27	53.50' LT	908.05	291349.78	639617.78
515	714+23.64	53.50' LT	908.40	291333.57	639612.08
516	714+13.39	53.50' LT	908.18	291324.16	639608.71
517	714+13.40	51.58' LT	908.14	291323.51	639610.52
518	714+13.41	49.00' LT	908.10	291322.65	639612.94
519	714+13.41	44.00' LT	908.23	291320.95	639617.65

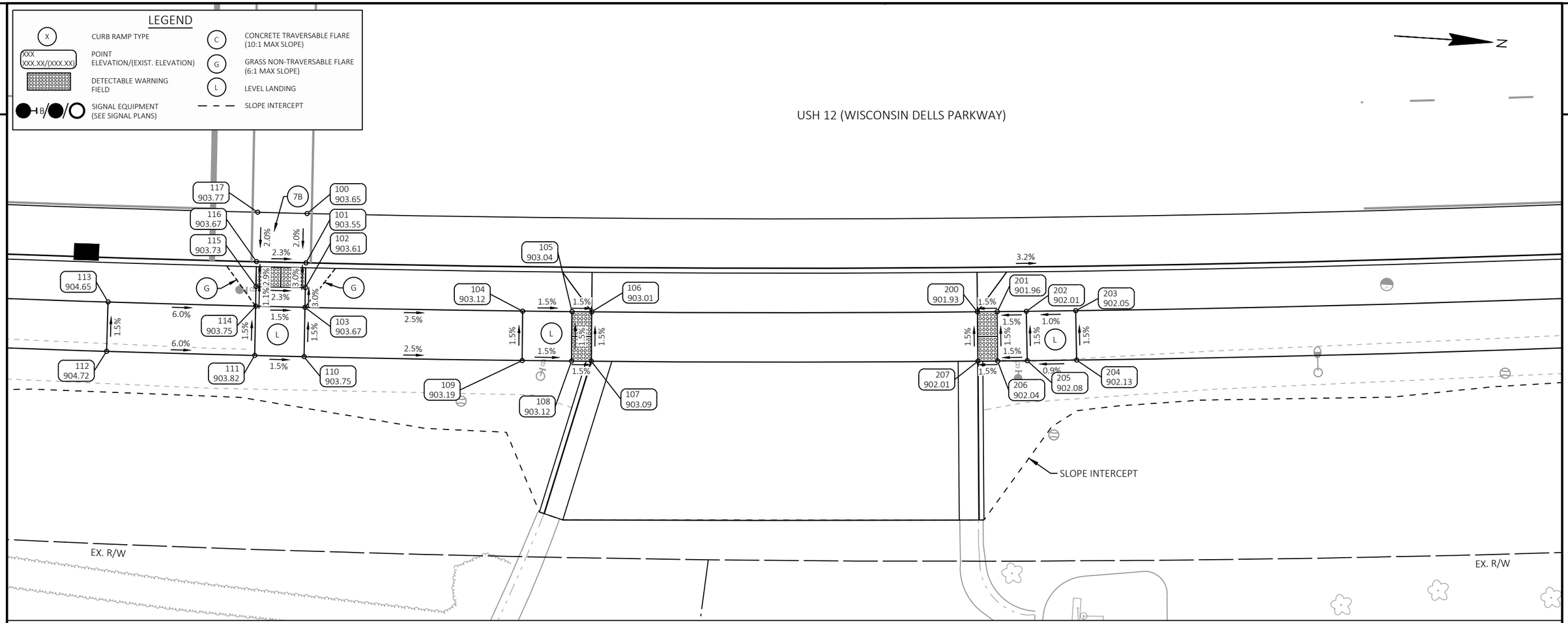
CTH A NW					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
400	715+17.30	44.00' LT	907.39	291417.44	639649.89
401	715+17.30	49.00' LT	907.26	291418.91	639645.11
402	715+17.27	51.50' LT	907.32	291419.62	639642.71
403	715+17.24	53.50' LT	907.41	291420.17	639640.79
404	715+06.28	53.50' LT	907.79	291409.97	639637.63
405	714+95.35	53.50' LT	907.62	291399.81	639634.41
406	714+89.87	53.50' LT	907.54	291394.72	639632.79
407	714+89.90	58.50' LT	907.61	291396.28	639628.04
408	714+95.39	58.50' LT	907.69	291401.36	639629.66

CTH A NW					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
409	715+06.28	58.50' LT	907.86	291411.47	639632.85
410	715+17.16	58.50' LT	907.49	291421.57	639635.99
411	715+22.30	58.50' LT	907.41	291426.35	639637.45
412	715+32.58	58.50' LT	907.77	291435.92	639640.34
413	715+32.63	53.50' LT	907.67	291434.54	639645.14
414	715+22.37	53.50' LT	907.34	291424.96	639642.25
415	715+22.39	51.57' LT	907.28	291424.42	639644.10
416	715+22.42	49.00' LT	907.22	291423.70	639646.57
417	715+22.42	44.00' LT	907.35	291422.24	639651.35

2

LEGEND

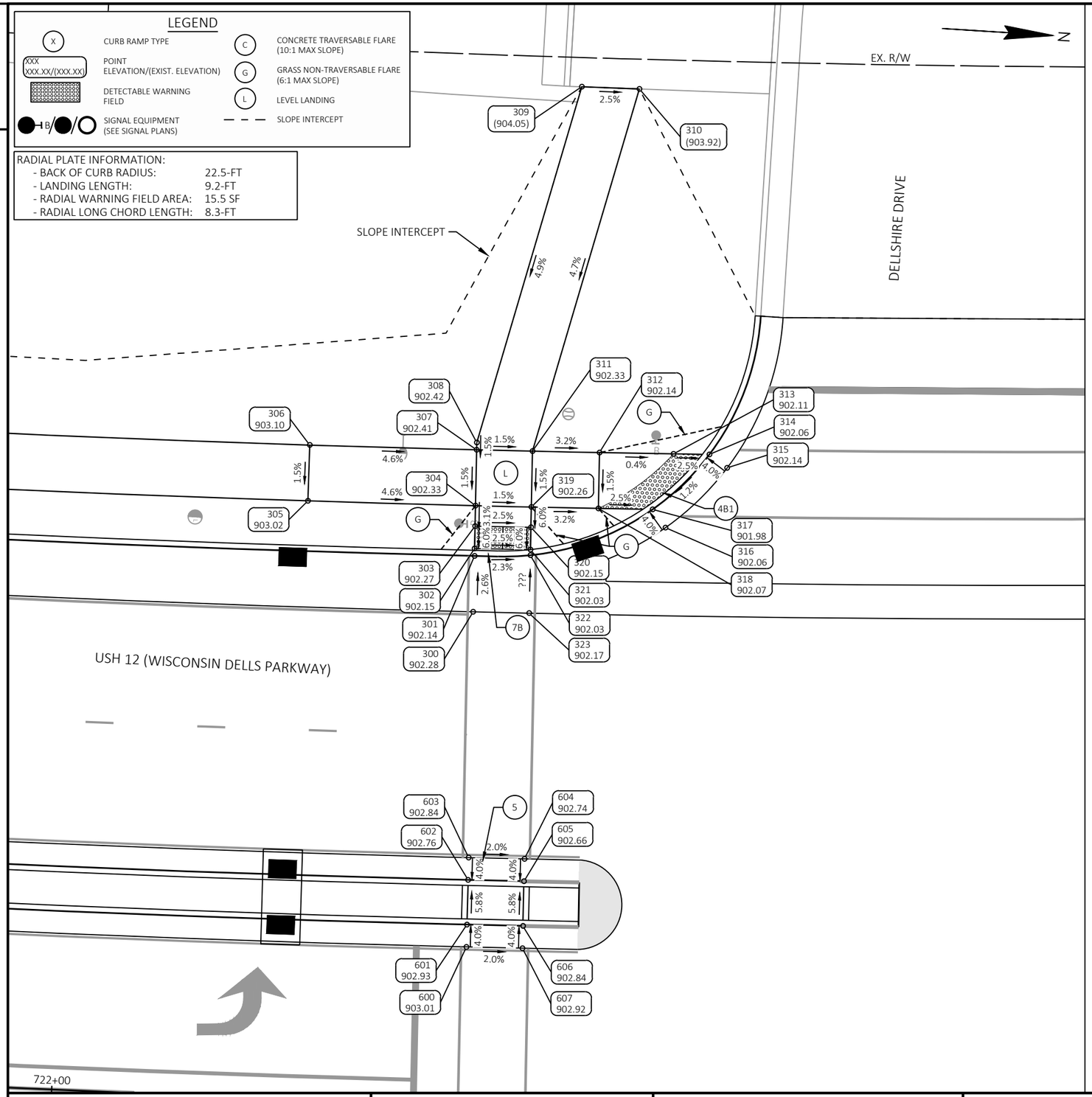
- X — CURB RAMP TYPE
- XXX / XXX.XX/(XXX.XX) — POINT ELEVATION/(EXIST. ELEVATION)
- DETECTABLE WARNING FIELD
- B — SIGNAL EQUIPMENT (SEE SIGNAL PLANS)
- C — CONCRETE TRAVERSABLE FLARE (10:1 MAX SLOPE)
- G — GRASS NON-TRAVERSABLE FLARE (6:1 MAX SLOPE)
- L — LEVEL LANDING
- SLOPE INTERCEPT



Dellshire SE					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
100	722+41.96	22.00' RT	903.65	292120.72	639805.96
101	722+41.96	27.00' RT	903.55	292120.93	639810.96
102	722+41.97	29.50' RT	903.61	292121.04	639813.45
103	722+41.97	31.50' RT	903.67	292121.13	639815.45
104	722+63.70	31.50' RT	903.12	292143.15	639814.41
105	722+68.62	31.50' RT	903.04	292148.14	639814.14
106	722+70.59	31.50' RT	903.01	292150.14	639814.03
107	722+70.59	36.50' RT	903.09	292150.42	639819.03
108	722+68.63	36.50' RT	903.12	292148.42	639819.14

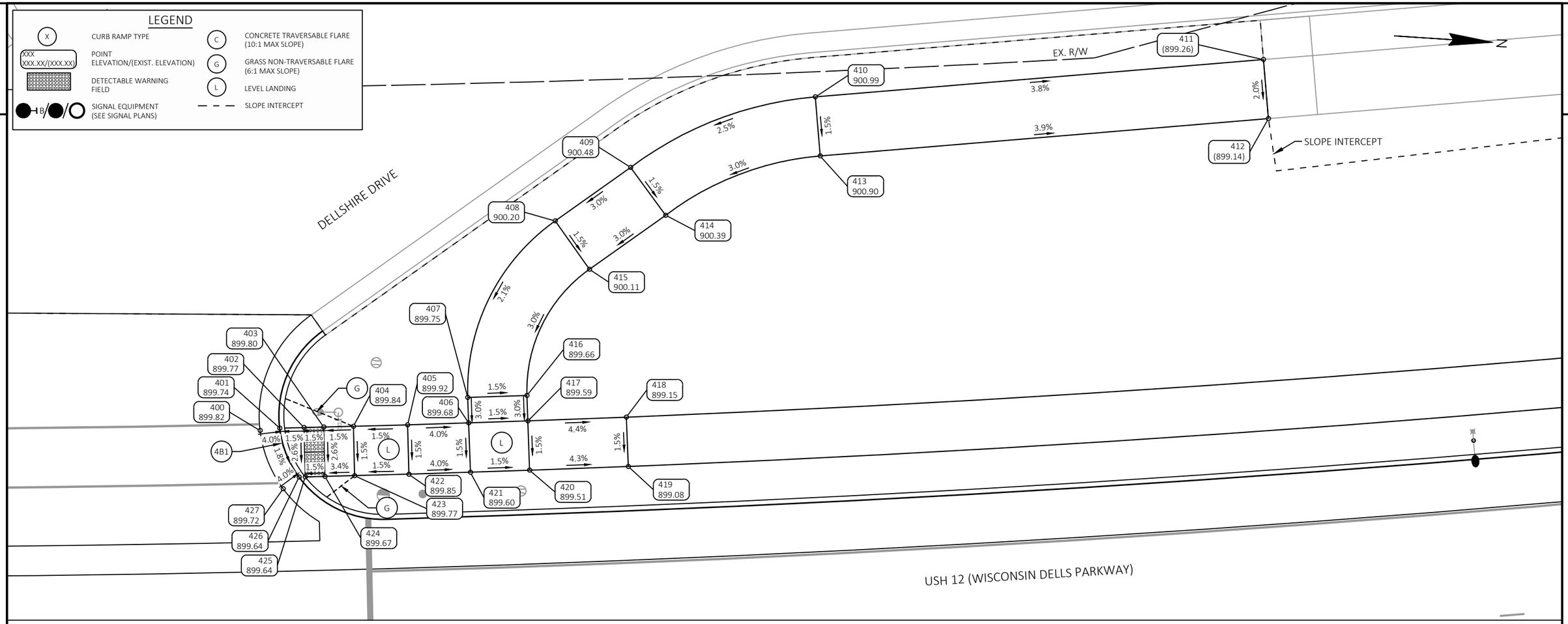
Dellshire SE					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
109	722+63.71	36.50' RT	903.19	292143.43	639819.40
110	722+41.99	36.49' RT	903.75	292121.36	639820.44
111	722+37.07	36.49' RT	903.82	292116.36	639820.64
112	722+22.32	36.50' RT	904.72	292101.37	639821.20
113	722+22.32	31.50' RT	904.65	292101.21	639816.20
114	722+37.05	31.50' RT	903.75	292116.14	639815.66
115	722+37.04	29.52' RT	903.73	292116.05	639813.68
116	722+37.02	27.00' RT	903.67	292115.94	639811.16
117	722+37.02	22.00' RT	903.77	292115.74	639806.16

Dellshire NE					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
200	723+09.08	31.50' RT	901.93	292189.12	639811.51
201	723+11.05	31.50' RT	901.96	292191.11	639811.36
202	723+13.95	31.50' RT	902.01	292194.05	639811.14
203	723+18.88	31.50' RT	902.05	292199.03	639810.76
204	723+18.91	36.50' RT	902.13	292199.46	639815.74
205	723+14.00	36.50' RT	902.08	292194.47	639816.12
206	723+11.05	36.50' RT	902.04	292191.48	639816.35
207	723+09.08	36.50' RT	902.01	292189.49	639816.50



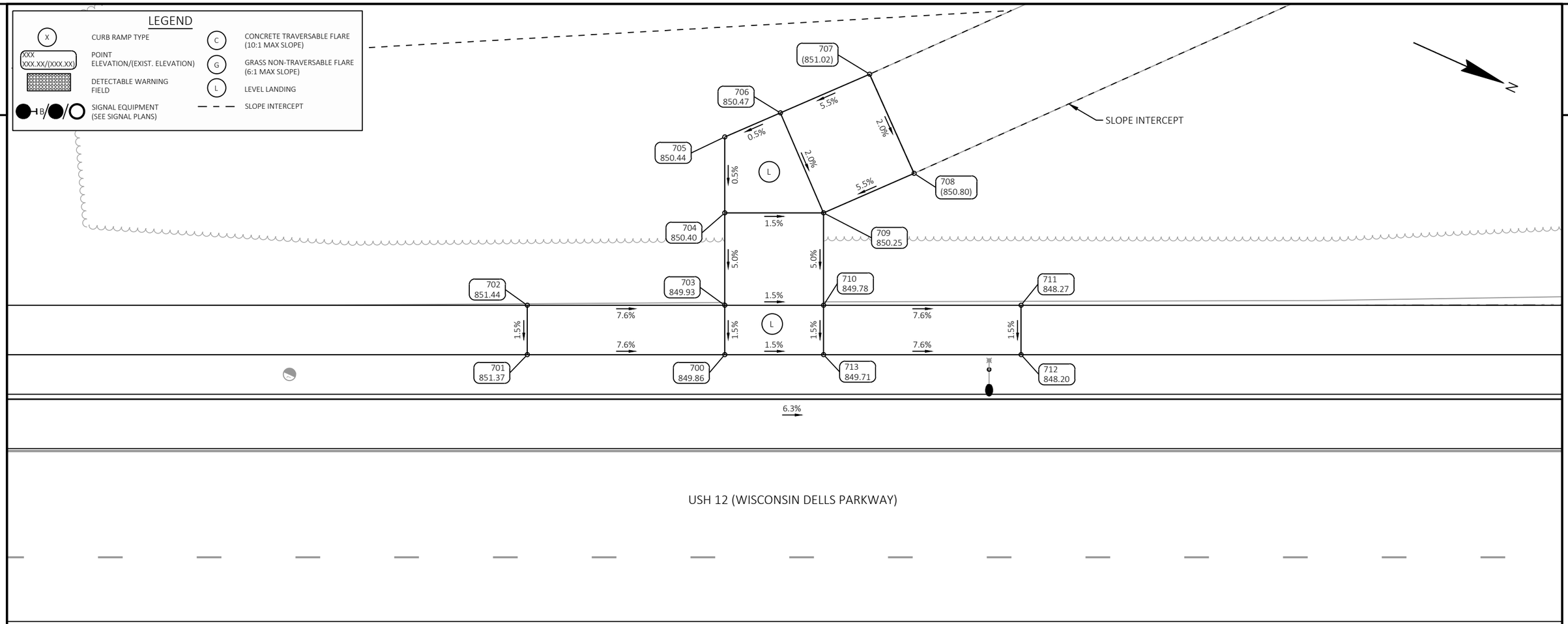
Dellshire SW					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
300	722+36.63	44.00' LT	902.28	292112.73	639740.23
301	722+36.63	49.00' LT	902.14	292112.53	639735.24
302	722+36.63	49.66' LT	902.15	292112.50	639734.57
303	722+36.62	51.66' LT	902.27	292112.41	639732.58
304	722+36.61	53.50' LT	902.33	292112.33	639730.74
305	722+21.22	53.50' LT	903.02	292097.34	639731.28
306	722+21.22	58.50' LT	903.10	292097.18	639726.28
307	722+36.58	58.50' LT	902.41	292112.10	639725.75
308	722+36.58	59.15' LT	902.42	292112.07	639725.09
309	722+45.57	91.20' LT	904.05	292119.40	639692.72
310	722+50.96	91.10' LT	903.92	292124.56	639692.58
311	722+41.73	58.50' LT	902.33	292117.10	639725.54
312	722+47.90	58.50' LT	902.14	292123.10	639725.28
313	722+54.71	58.50' LT	902.11	292129.72	639724.97
314	722+58.01	58.50' LT	902.06	292132.92	639724.82
315	722+59.66	57.32' LT	902.14	292134.59	639725.92
316	722+54.09	51.89' LT	902.06	292129.43	639731.61
317	722+52.88	53.50' LT	901.98	292128.17	639730.05
318	722+47.90	53.50' LT	902.07	292123.32	639730.28
319	722+41.74	53.50' LT	902.26	292117.32	639730.54
320	722+41.75	51.68' LT	902.15	292117.41	639732.35
321	722+41.75	49.68' LT	902.03	292117.50	639734.35
322	722+41.75	49.18' LT	902.03	292117.52	639734.85
323	722+41.75	44.00' LT	902.17	292117.74	639740.03

Dellshire Median S					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
600	722+36.79	14.00' LT	903.01	292114.07	639770.20
601	722+36.79	16.00' LT	902.93	292113.99	639768.20
602	722+36.79	20.00' LT	902.76	292113.83	639764.21
603	722+36.79	22.00' LT	902.84	292113.75	639762.21
604	722+41.84	22.00' LT	902.74	292118.74	639762.00
605	722+41.84	20.00' LT	902.66	292118.83	639764.00
606	722+41.84	16.00' LT	902.84	292119.00	639768.00
607	722+41.84	14.00' LT	902.92	292119.08	639770.00



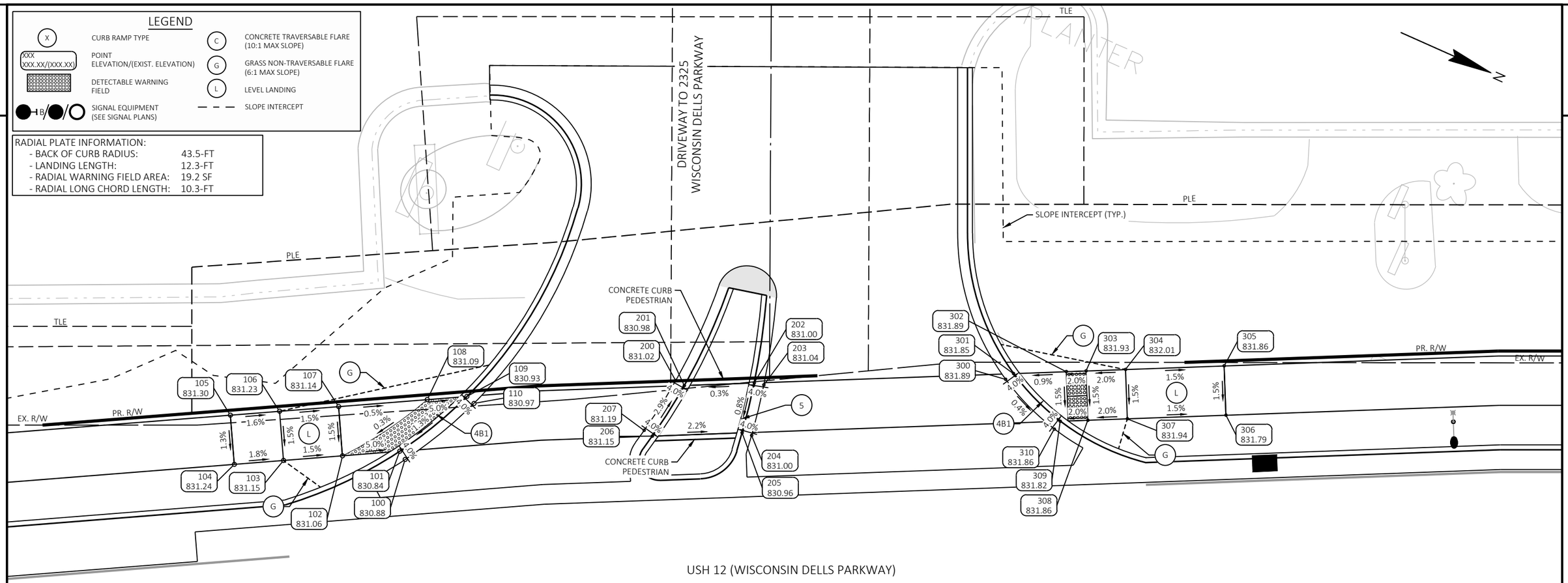
Dellshire NW					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
400	723+37.36	58.30' LT	899.82	292209.93	639719.74
401	723+39.41	58.50' LT	899.74	292211.89	639719.37
402	723+41.94	58.50' LT	899.77	292214.35	639719.16
403	723+44.00	58.50' LT	899.80	292216.34	639718.98
404	723+47.08	58.50' LT	899.84	292219.33	639718.71
405	723+52.74	58.48' LT	899.92	292224.80	639718.22
406	723+59.09	58.50' LT	899.68	292230.95	639717.61
407	723+59.08	61.07' LT	899.75	292230.70	639715.04
408	723+68.88	78.63' LT	900.20	292238.38	639696.63
409	723+77.04	83.75' LT	900.48	292245.66	639690.73
410	723+96.85	90.03' LT	900.99	292263.85	639682.40
411	724+44.40	91.02' LT	899.26	292308.90	639675.69
412	724+44.47	85.02' LT	899.14	292309.78	639681.62
413	723+97.05	84.04' LT	900.90	292264.73	639688.33

Dellshire NW					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
414	723+80.51	78.77' LT	900.39	292249.51	639695.33
415	723+72.28	73.62' LT	900.11	292242.15	639701.29
416	723+65.26	61.08' LT	899.66	292236.67	639714.44
417	723+65.26	58.50' LT	899.59	292236.92	639717.02
418	723+75.52	58.50' LT	899.15	292246.85	639716.00
419	723+75.52	53.50' LT	899.08	292247.37	639720.97
420	723+65.26	53.50' LT	899.51	292237.42	639721.99
421	723+59.11	53.50' LT	899.60	292231.45	639722.58
422	723+52.71	53.48' LT	899.85	292225.25	639723.20
423	723+47.07	53.50' LT	899.77	292219.77	639723.69
424	723+43.99	53.50' LT	899.67	292216.78	639723.96
425	723+41.94	53.50' LT	899.64	292214.79	639724.14
426	723+41.31	53.50' LT	899.64	292214.18	639724.19
427	723+39.63	52.35' LT	899.72	292212.64	639725.48



Shire Path Connection					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
700	732+27.04	53.50' LT	849.86	293041.17	639478.20
701	732+07.04	53.50' LT	851.37	293022.92	639486.38
702	732+07.04	58.50' LT	851.44	293020.88	639481.82
703	732+27.04	58.50' LT	849.93	293039.13	639473.64
704	732+27.04	67.85' LT	850.40	293035.30	639465.11
705	732+27.04	75.53' LT	850.44	293032.16	639458.10
706	732+32.66	77.96' LT	850.47	293036.30	639453.58
707	732+41.70	81.88' LT	851.02	293042.95	639446.31
708	732+46.21	71.84' LT	850.80	293051.16	639453.62
709	732+37.04	67.85' LT	850.25	293044.43	639461.02
710	732+37.04	58.50' LT	849.78	293048.25	639469.55
711	732+57.04	58.50' LT	848.27	293066.50	639461.37
712	732+57.04	53.50' LT	848.20	293068.55	639465.93
713	732+37.04	53.50' LT	849.71	293050.30	639474.11

PROJECT NO: 6145-01-74	HWY: USH 12	COUNTY: SAUK	CURB RAMP DETAILS: SHIRE PATH CONNECTION	SHEET 72	E



USH 12 (WISCONSIN DELLS PARKWAY)

DWY 1 SW					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
100	738+02.79	65.01' LT	830.88	293558.86	639225.84
101	738+02.24	65.84' LT	830.84	293558.01	639225.30
102	737+96.45	65.39' LT	831.06	293552.92	639228.09
103	737+90.47	64.91' LT	831.15	293547.65	639230.97
104	737+85.48	64.52' LT	831.24	293543.27	639233.37
105	737+85.09	69.50' LT	831.30	293540.87	639228.98
106	737+90.07	69.90' LT	831.23	293545.25	639226.58
107	737+96.05	70.37' LT	831.14	293550.52	639223.70
108	738+05.03	71.08' LT	831.09	293558.42	639219.38
109	738+09.05	71.40' LT	830.93	293561.95	639217.45
110	738+09.76	70.69' LT	830.97	293562.89	639217.80

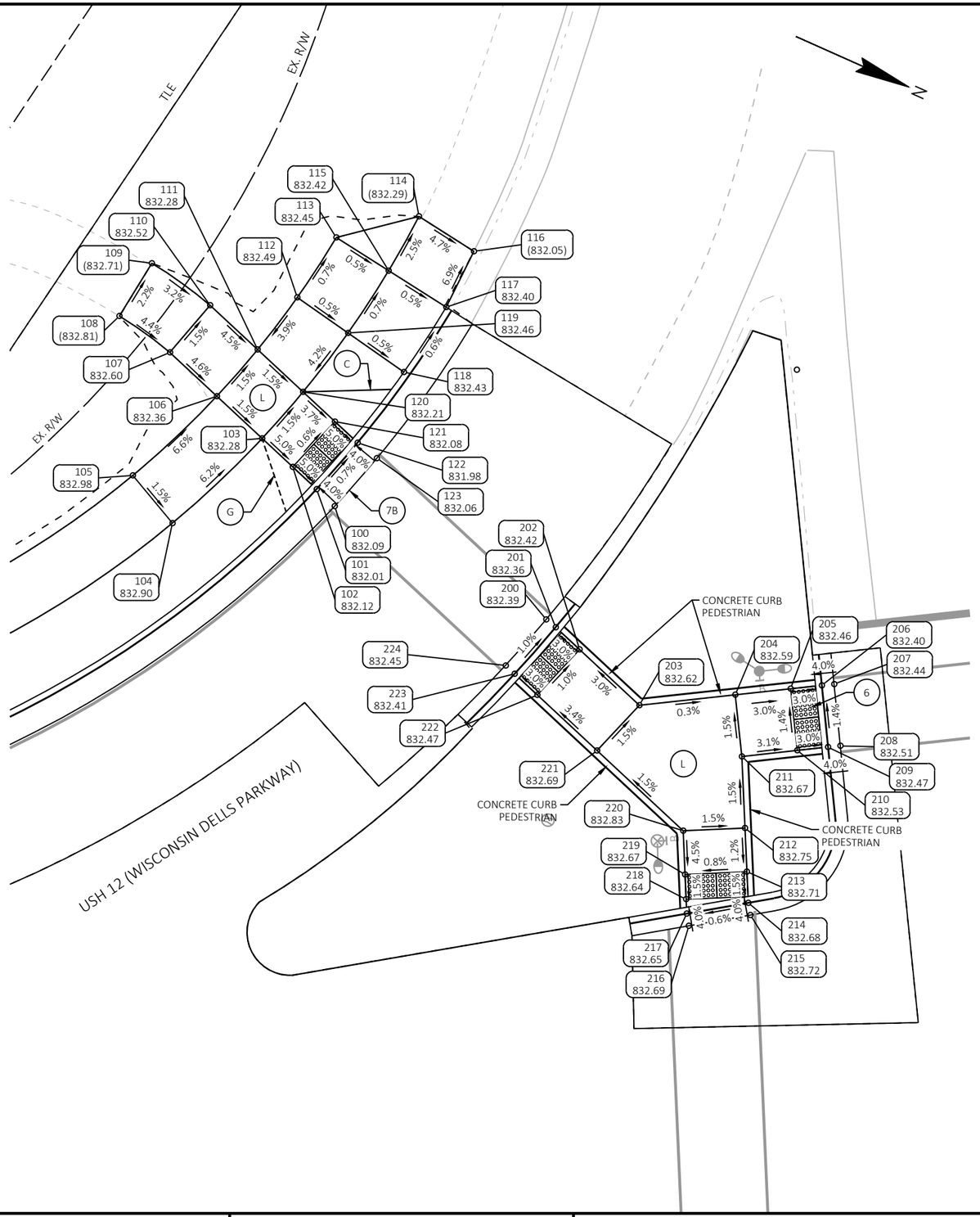
DWY 1 Median					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
200	738+30.19	73.00' LT	831.02	293580.59	639207.34
201	738+31.06	72.51' LT	830.98	293581.59	639207.43
202	738+38.13	72.76' LT	831.00	293587.94	639204.31
203	738+39.11	72.56' LT	831.04	293588.91	639204.09
204	738+37.88	67.45' LT	831.00	293589.88	639209.26
205	738+36.91	67.72' LT	830.96	293588.89	639209.41
206	738+27.82	67.38' LT	831.15	293580.72	639213.43
207	738+27.00	67.96' LT	831.19	293579.74	639213.24

DWY 1 NW					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
300	738+63.59	73.12' LT	831.89	293611.02	639193.56
301	738+64.40	73.72' LT	831.85	293611.51	639192.69
302	738+69.74	73.91' LT	831.89	293616.31	639190.33
303	738+71.74	73.98' LT	831.93	293618.10	639189.44
304	738+75.74	74.13' LT	832.01	293621.69	639187.68
305	738+85.73	74.49' LT	831.86	293630.66	639183.26
306	738+85.91	69.49' LT	831.79	293632.87	639187.74
307	738+75.92	69.13' LT	831.94	293623.90	639192.16
308	738+71.92	68.99' LT	831.86	293620.32	639193.93
309	738+69.13	68.88' LT	831.82	293617.81	639195.16
310	738+68.52	68.09' LT	831.86	293617.58	639196.14

PROJECT NO: 6145-01-74	HWY: USH 12	COUNTY: SAUK	CURB RAMP DETAILS: DRIVEWAY TO 2325 WISCONSIN DELLS PARKWAY	SHEET 73	E

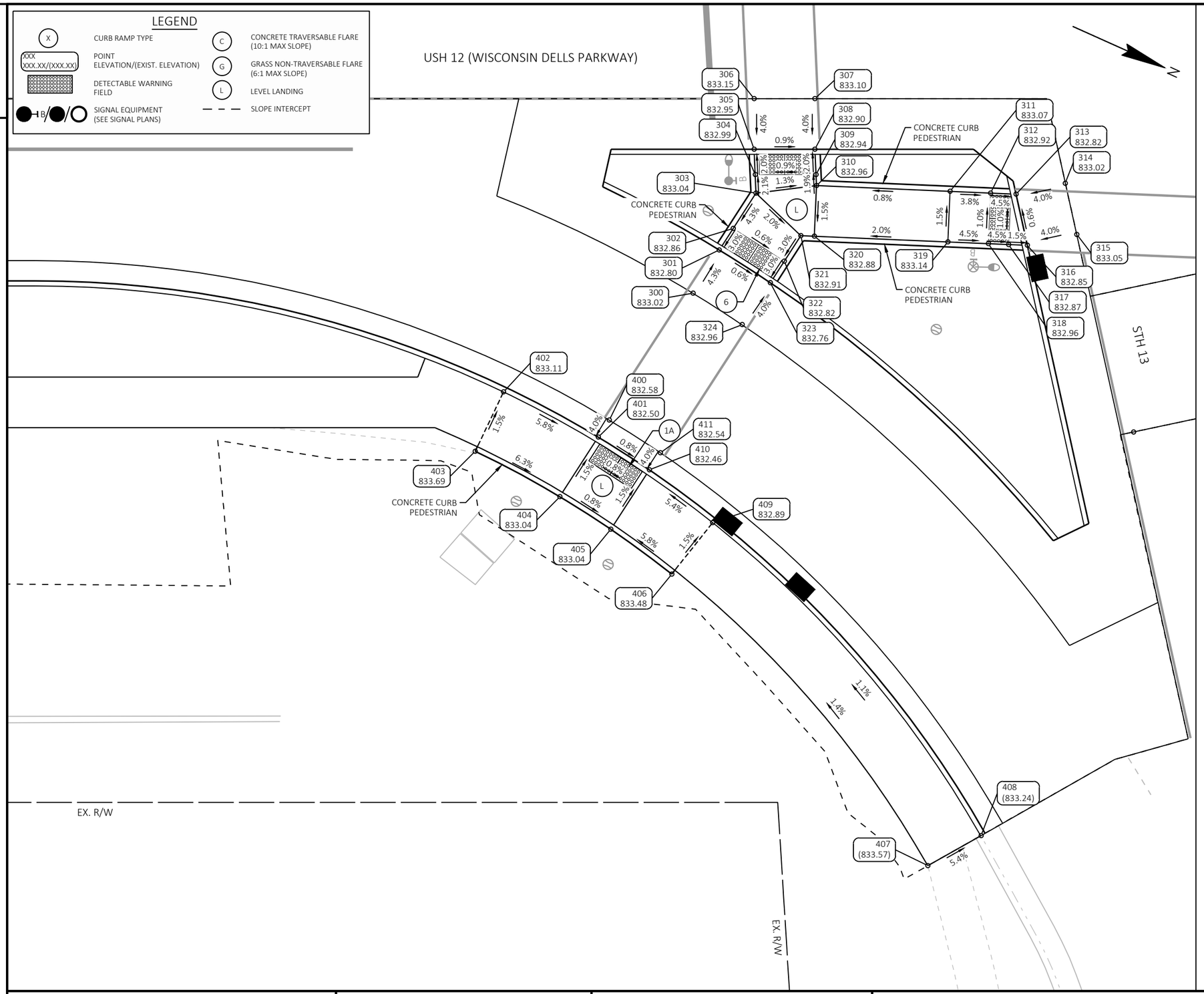
LEGEND

- X — CURB RAMP TYPE
- XXX / XXX.XX/(XXX.XX) — POINT ELEVATION/(EXIST. ELEVATION)
- DETECTABLE WARNING FIELD
- B — SIGNAL EQUIPMENT (SEE SIGNAL PLANS)
- C — CONCRETE TRAVERSABLE FLARE (10:1 MAX SLOPE)
- G — GRASS NON-TRAVERSABLE FLARE (6:1 MAX SLOPE)
- L — LEVEL LANDING
- SLOPE INTERCEPT



STH 13 SW					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
100	740+97.83	91.86' LT	832.09	293817.10	639080.64
101	740+96.37	93.23' LT	832.01	293815.20	639079.99
102	740+94.44	95.02' LT	832.12	293812.71	639079.14
103	740+91.98	97.32' LT	832.28	293809.53	639078.06
104	740+84.74	90.50' LT	832.90	293805.71	639087.24
105	740+81.54	94.34' LT	832.98	293801.22	639085.05
106	740+88.32	100.73' LT	832.36	293804.79	639076.44
107	740+84.54	104.26' LT	832.60	293799.90	639074.76
108	740+80.47	107.18' LT	832.81	293794.99	639073.76
109	740+83.08	111.45' LT	832.71	293795.62	639068.80
110	740+87.79	108.06' LT	832.52	293801.31	639069.97
111	740+91.62	104.49' LT	832.28	293806.26	639071.66
112	740+94.82	108.70' LT	832.49	293807.46	639066.51
113	740+97.96	113.52' LT	832.45	293808.36	639060.82
114	741+04.63	115.22' LT	832.29	293813.74	639056.55
115	741+02.19	110.85' LT	832.42	293813.31	639061.54
116	741+09.07	112.41' LT	832.05	293818.94	639057.30
117	741+06.83	107.90' LT	832.40	293818.75	639062.32
118	741+03.42	102.67' LT	832.43	293817.77	639068.49
119	740+98.91	105.83' LT	832.46	293812.37	639067.46
120	740+95.28	101.08' LT	832.21	293811.00	639073.28
121	740+97.85	98.68' LT	832.08	293814.32	639074.41
122	740+99.68	96.98' LT	831.98	293816.69	639075.21
123	741+01.24	95.72' LT	832.06	293818.63	639075.73

STH 13 SW MEDIAN					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
200	741+14.89	82.73' LT	832.39	293836.40	639081.99
201	741+15.66	82.10' LT	832.36	293837.36	639082.26
202	741+17.59	80.31' LT	832.42	293839.85	639083.11
203	741+22.40	75.82' LT	832.62	293846.08	639085.23
204	741+30.14	76.66' LT	832.59	293852.80	639081.30
205	741+34.61	77.14' LT	832.46	293856.67	639079.03
206	741+37.13	77.42' LT	832.40	293858.86	639077.75
207	741+38.12	77.52' LT	832.44	293859.73	639077.25
208	741+38.62	72.54' LT	832.51	293862.22	639081.58
209	741+37.63	72.44' LT	832.47	293861.36	639082.08
210	741+35.15	72.17' LT	832.53	293859.20	639083.34
211	741+30.68	71.69' LT	832.67	293855.33	639085.61
212	741+30.93	65.91' LT	832.75	293857.92	639090.78
213	741+31.09	62.39' LT	832.71	293859.50	639093.93
214	741+31.20	59.89' LT	832.68	293860.62	639096.17
215	741+31.37	58.91' LT	832.72	293861.18	639097.00
216	741+26.40	58.04' LT	832.69	293857.00	639099.82
217	741+26.23	59.02' LT	832.65	293856.44	639098.99
218	741+26.18	60.18' LT	832.64	293855.93	639097.96
219	741+26.09	62.17' LT	832.67	293855.03	639096.17
220	741+25.94	65.70' LT	832.83	293853.45	639093.02
221	741+19.00	72.16' LT	832.69	293844.47	639089.96
222	741+14.18	76.65' LT	832.47	293838.24	639087.84
223	741+12.35	78.35' LT	832.41	293835.87	639087.03
224	741+11.62	79.02' LT	832.45	293834.94	639086.72



STH 13 SE MEDIAN					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
300	741+22.93	41.21' RT	833.02	293894.44	639191.80
301	741+25.53	36.94' RT	832.80	293895.06	639186.85
302	741+26.90	34.82' RT	832.86	293895.45	639184.35
303	741+29.16	31.33' RT	833.04	293896.08	639180.23
304	741+29.08	29.50' RT	832.99	293895.26	639178.60
305	741+28.97	27.00' RT	832.95	293894.14	639176.36
306	741+28.97	22.00' RT	833.15	293892.09	639171.80
307	741+34.98	22.00' RT	833.10	293897.57	639169.35
308	741+34.98	27.00' RT	832.90	293899.62	639173.91
309	741+35.09	29.50' RT	832.94	293900.74	639176.14
310	741+35.14	30.59' RT	832.96	293901.23	639177.12
311	741+48.34	31.15' RT	833.07	293913.51	639172.23
312	741+52.34	31.33' RT	832.92	293917.23	639170.75
313	741+54.86	31.44' RT	832.82	293919.57	639169.82
314	741+59.72	30.36' RT	833.02	293923.57	639166.85
315	741+60.86	35.41' RT	833.05	293926.67	639170.99
316	741+55.97	36.49' RT	832.85	293922.66	639173.98
317	741+54.12	36.41' RT	832.87	293920.94	639174.66
318	741+52.12	36.32' RT	832.96	293919.08	639175.40
319	741+48.13	36.15' RT	833.14	293915.36	639176.88
320	741+34.92	35.58' RT	832.88	293903.08	639181.76
321	741+33.59	35.52' RT	832.91	293901.84	639182.25
322	741+31.96	38.05' RT	832.82	293901.38	639185.23
323	741+30.58	40.18' RT	832.76	293901.00	639187.74
324	741+27.79	44.32' RT	832.96	293900.14	639192.65

STH 13 SE					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
400	741+14.66	53.74' RT	832.58	293892.01	639206.62
401	741+13.57	55.42' RT	832.50	293891.71	639208.60
402	741+04.21	50.96' RT	833.11	293881.35	639208.36
403	741+01.40	56.82' RT	833.69	293881.18	639214.86
404	741+09.78	61.31' RT	833.04	293890.66	639215.53
405	741+14.81	64.53' RT	833.04	293896.57	639216.40
406	741+20.84	68.97' RT	833.48	293903.88	639217.99
407	741+46.14	97.75' RT	833.57	293938.74	639233.90
408	741+51.40	94.79' RT	833.24	293942.33	639229.05
409	741+24.88	63.88' RT	832.89	293905.48	639211.69
410	741+18.62	58.66' RT	832.46	293897.64	639209.48
411	741+19.71	56.99' RT	832.54	293897.95	639207.52

PROJECT NO: 6145-01-74	HWY: USH 12	COUNTY: SAUK	CURB RAMP DETAILS: STH 13 SE	SHEET 75	E

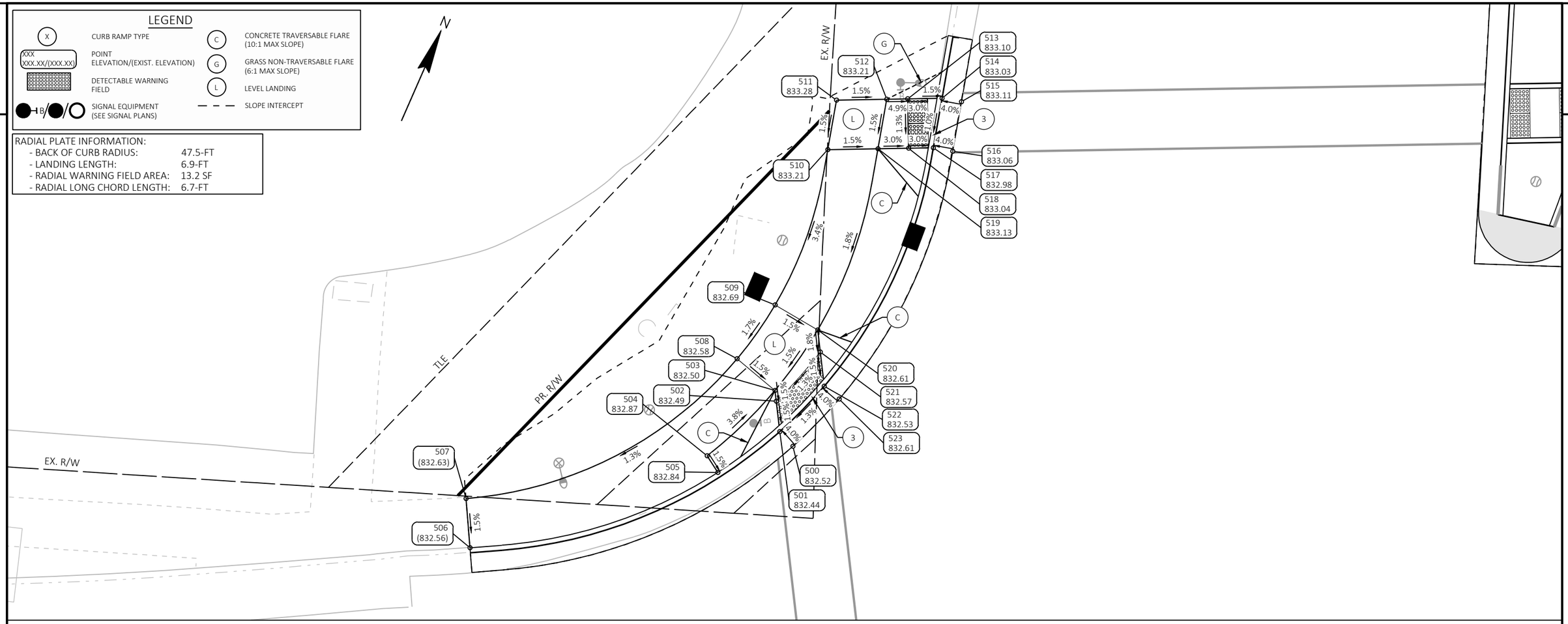
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LAYOUT NAME - 34
PLOT DATE : 6/18/2025 1:13 PM PLOT BY : BARRETT, WILL PLOT NAME : PLOT SCALE : 1 IN:10 FT

LEGEND

- X — CURB RAMP TYPE
- XXX / XXX.XX/(XXX.XX) — POINT ELEVATION/(EXIST. ELEVATION)
- DETECTABLE WARNING FIELD
- B/●/○ — SIGNAL EQUIPMENT (SEE SIGNAL PLANS)
- C — CONCRETE TRAVERSABLE FLARE (10:1 MAX SLOPE)
- G — GRASS NON-TRAVERSABLE FLARE (6:1 MAX SLOPE)
- L — LEVEL LANDING
- SLOPE INTERCEPT

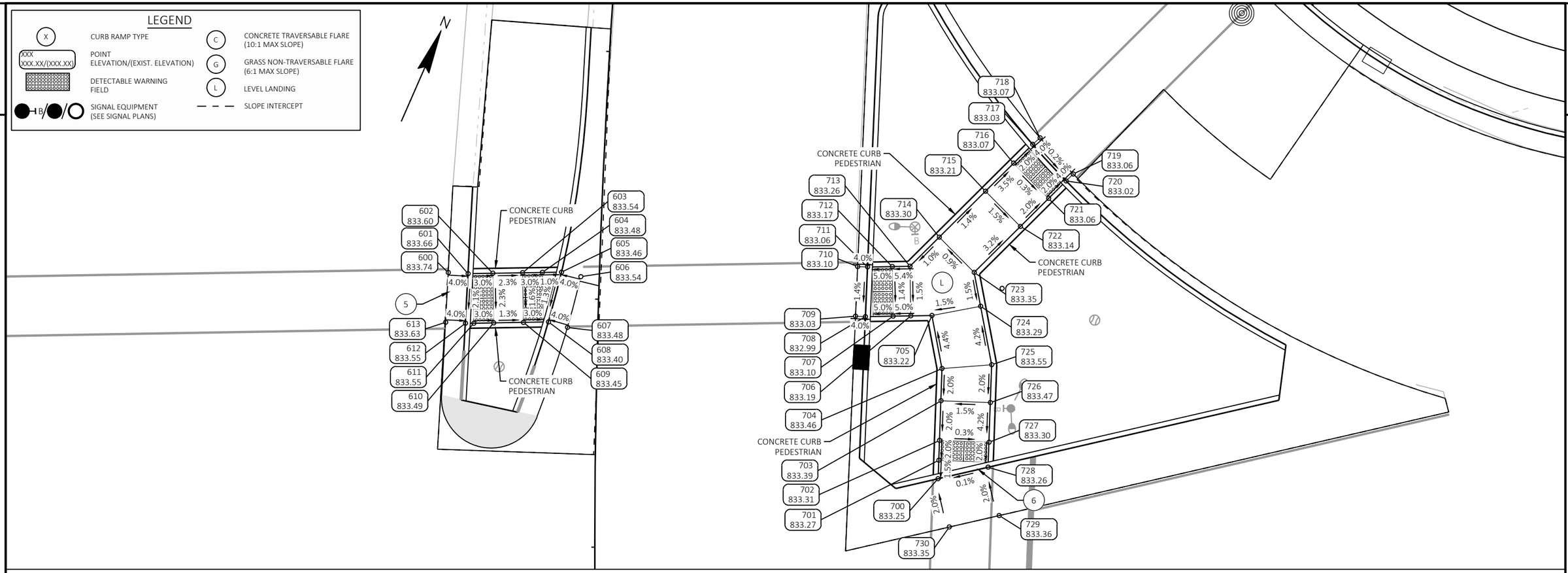
RADIAL PLATE INFORMATION:

- BACK OF CURB RADIUS:	47.5-FT
- LANDING LENGTH:	6.9-FT
- RADIAL WARNING FIELD AREA:	13.2 SF
- RADIAL LONG CHORD LENGTH:	6.7-FT



STH 13 NW					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
500	742+16.97	84.93' LT	832.52	293928.65	639038.23
501	742+18.47	86.25' LT	832.44	293929.48	639036.41
502	742+21.27	86.59' LT	832.49	293932.16	639034.85
503	742+22.25	86.71' LT	832.50	293933.10	639034.29
504	742+16.07	93.62' LT	832.87	293924.27	639030.67
505	742+14.38	92.55' LT	832.84	293923.17	639032.34
506	742+06.92	117.70' LT	832.56	293906.08	639012.44
507	742+11.91	118.06' LT	832.63	293910.48	639010.07
508	742+25.17	90.54' LT	832.58	293934.50	639029.49
509	742+30.11	86.72' LT	832.69	293941.03	639030.82
510	742+44.50	81.63' LT	833.21	293957.58	639029.36
511	742+49.10	80.87' LT	833.28	293962.52	639028.15

STH 13 NW					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
512	742+49.31	75.79' LT	833.21	293964.65	639032.78
513	742+49.40	73.67' LT	833.10	293965.54	639034.71
514	742+49.55	70.19' LT	833.03	293966.99	639037.87
515	742+49.28	68.21' LT	833.11	293967.47	639039.81
516	742+44.62	68.96' LT	833.06	293962.52	639041.02
517	742+44.90	70.94' LT	832.98	293962.05	639039.08
518	742+44.80	73.45' LT	833.04	293961.00	639036.80
519	742+44.69	76.54' LT	833.13	293959.71	639033.99
520	742+27.83	82.39' LT	832.61	293940.45	639035.78
521	742+25.79	82.13' LT	832.57	293938.51	639036.92
522	742+22.63	81.73' LT	832.53	293935.49	639038.69
523	742+21.44	80.21' LT	832.61	293934.92	639040.60



STH 13 N Median					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
600	742+52.18	15.25' LT	833.74	293990.11	639087.78
601	742+52.14	13.25' LT	833.66	293990.81	639089.66
602	742+52.26	10.76' LT	833.60	293991.86	639091.93
603	742+52.41	7.76' LT	833.54	293993.11	639094.66
604	742+52.51	5.76' LT	833.48	293993.95	639096.47
605	742+52.60	3.83' LT	833.46	293994.76	639098.23
606	742+52.21	1.87' LT	833.54	293995.12	639100.20

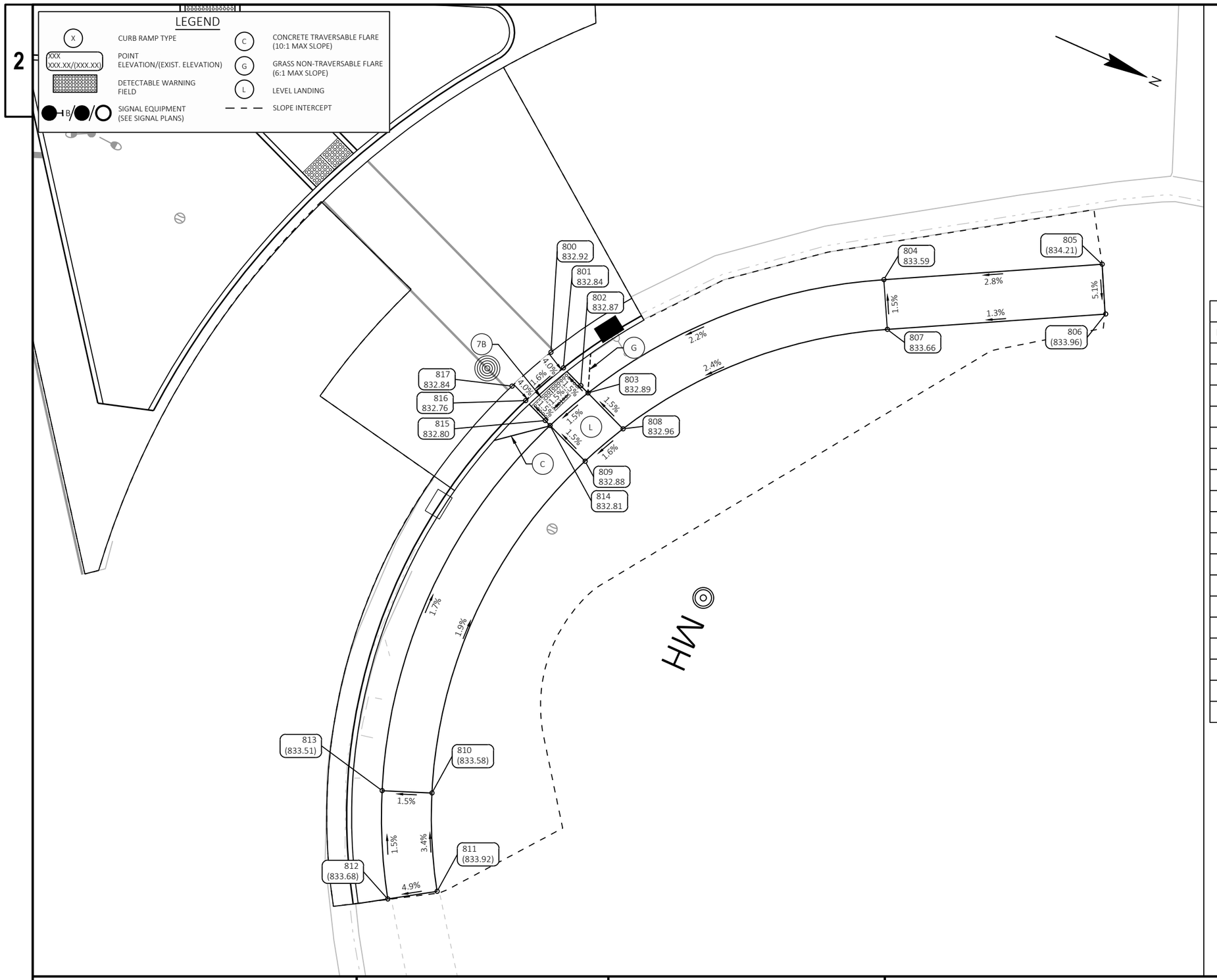
STH 13 N Median					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
607	742+47.07	3.07' LT	833.48	293989.89	639101.02
608	742+47.57	5.00' LT	833.40	293989.62	639099.04
609	742+47.46	7.52' LT	833.45	293988.57	639096.75
610	742+47.33	10.52' LT	833.49	293987.31	639094.02
611	742+47.24	12.52' LT	833.55	293986.48	639092.20
612	742+47.21	13.38' LT	833.55	293986.12	639091.42
613	742+47.26	15.38' LT	833.63	293985.42	639089.55

STH 13 NE Median					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
700	742+32.21	34.63' RT	833.25	293990.99	639141.42
701	742+34.15	34.68' RT	833.27	293992.72	639140.74
702	742+36.23	34.73' RT	833.31	293994.58	639140.00
703	742+40.40	34.81' RT	833.39	293998.30	639138.52
704	742+43.80	34.85' RT	833.46	294001.32	639137.32
705	742+49.34	33.70' RT	833.22	294005.81	639134.23
706	742+49.24	31.56' RT	833.19	294004.92	639132.29
707	742+49.15	29.78' RT	833.10	294004.17	639130.67
708	742+49.02	26.98' RT	832.99	294003.00	639128.12
709	742+49.04	25.98' RT	833.03	294002.64	639127.19
710	742+54.20	26.03' RT	833.10	294007.30	639125.37
711	742+54.19	27.03' RT	833.06	294007.67	639126.30
712	742+54.33	29.53' RT	833.17	294008.71	639128.58
713	742+54.42	31.32' RT	833.26	294009.46	639130.20
714	742+57.59	34.17' RT	833.30	294013.34	639131.73
715	742+62.64	38.64' RT	833.21	294019.46	639134.13

STH 13 NE Median					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
716	742+65.73	41.34' RT	833.07	294023.19	639135.60
717	742+67.83	43.16' RT	833.03	294025.70	639136.58
718	742+68.56	43.88' RT	833.07	294026.60	639137.01
719	742+64.89	47.40' RT	833.06	294024.61	639141.54
720	742+64.12	46.71' RT	833.02	294023.68	639141.16
721	742+62.17	45.02' RT	833.06	294021.36	639140.25
722	742+59.07	42.31' RT	833.14	294017.63	639138.79
723	742+54.03	37.82' RT	833.35	294011.51	639136.38
724	742+50.47	38.58' RT	833.29	294008.64	639138.35
725	742+44.32	39.86' RT	833.55	294003.69	639141.75
726	742+40.31	39.81' RT	833.47	294000.14	639143.17
727	742+36.11	39.72' RT	833.30	293996.42	639144.64
728	742+33.47	39.66' RT	833.26	293994.08	639145.58
729	742+28.37	40.82' RT	833.36	293990.08	639148.56
730	742+27.13	35.78' RT	833.35	293986.98	639144.41

PROJECT NO: 6145-01-74	HWY: USH 12	COUNTY: SAUK	CURB RAMP DETAILS: STH 13 N MEDIAN	SHEET 77	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-74\021302_CR.DWG
LAYOUT NAME - 36
PLOT DATE : 6/18/2025 1:14 PM
PLOT BY : BARRETT, WILL
PLOT NAME :
PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42



STH 13 NE					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
800	742+90.01	61.31' RT	832.92	294051.48	639146.49
801	742+91.49	62.77' RT	832.84	294053.25	639147.41
802	742+93.54	64.39' RT	832.87	294055.58	639148.33
803	742+94.38	65.05' RT	832.89	294056.53	639148.70
804	743+24.75	50.58' RT	833.59	294078.97	639126.19
805	743+47.51	46.03' RT	834.21	294098.32	639115.82
806	743+48.69	50.91' RT	833.96	294100.68	639120.23
807	743+25.77	55.49' RT	833.66	294081.32	639130.60
808	742+98.54	68.31' RT	832.96	294061.21	639150.54
809	742+94.73	71.91' RT	832.88	294059.07	639155.07
810	742+80.65	106.33' RT	833.58	294058.66	639191.73
811	742+82.08	116.13' RT	833.92	294063.17	639200.51
812	742+76.43	117.24' RT	833.68	294058.97	639203.23
813	742+74.94	106.43' RT	833.51	294054.01	639193.55
814	742+90.58	68.64' RT	832.81	294054.40	639153.23
815	742+90.01	68.19' RT	832.80	294053.75	639152.98
816	742+87.70	66.35' RT	832.76	294051.14	639151.95
817	742+86.09	65.02' RT	832.84	294049.29	639151.19

2

2

LEGEND

- REMOVING CONCRETE PAVEMENT
- REMOVING CONCRETE SIDEWALK
- REMOVING ASPHALTIC PAVEMENT (PAID FOR AS EXCAVATION COMMON)
- REMOVING CURB & GUTTER OR REMOVING CURB
- YYYYYY SAWING CONCRETE
- XXXXXX SAWING ASPHALT
- X CLEARING & GRUBBING (INDIVIDUAL TREES)
- ABANDON STORM SEWER
- REMOVE STORM SEWER
- XX EXISTING DRAINAGE STRUCTURE TO BE REMOVED
- RIGHT-OF-WAY MONUMENT TO BE REESTABLISHED

SEE LIGHTING REMOVAL PLAN, TRAFFIC SIGNAL PLAN, UTILITY PLAN & SIGNING PLAN FOR ADDITIONAL REMOVALS

N

EX. R/W

SLOPE INTERCEPT (TYP.)

TLE

TLE

REMOVING RAILING, 356 LF

CAUTION

SAWCUT FOR STAGE 3 REMOVALS

604+00 605+00 606+00 607+00 608+00 609+00

BEGIN PROJECT 6145-01-73
STA. 604+98.75

USH 12 (WISCONSIN DELLS PARKWAY)

8LF 24"X38" RCP

133 LF 24"X38" RCP

MATCHLINE STA. 609+50

EX. R/W

TLE

TLE

TLE

1

2

PR. R/W

EX. R/W

TLE

PLANTER REMOVED BY OTHERS

E. ADAMS STREET

HUHOT MONGOLIAN GRILL

E. DURKEE ST

POOL

PROJECT NO: 6145-01-73	HWY: USH 12	COUNTY: SAUK	REMOVAL PLAN	SHEET 79	E

2

2

LEGEND

- REMOVING CONCRETE PAVEMENT
- REMOVING CONCRETE SIDEWALK
- REMOVING ASPHALTIC PAVEMENT (PAID FOR AS EXCAVATION COMMON)
- REMOVING CURB & GUTTER OR REMOVING CURB
- YYYYYY SAWING CONCRETE
- XXXXXX SAWING ASPHALT
- X CLEARING & GROUBBING (INDIVIDUAL TREES)
- ABANDON STORM SEWER
- REMOVE STORM SEWER
- XX EXISTING DRAINAGE STRUCTURE TO BE REMOVED
- RIGHT-OF-WAY MONUMENT TO BE REESTABLISHED

N

SPRINGBROOK CREEK

RUINS

EX. R/W

M.P.

TLE

WOOD

BORE

SIGN

PR. R/W

REMOVE RAILING, 356 LF

SLOPE INTERCEPT (TYP.)

CAUTION

SAWCUT FOR STAGE 3 REMOVALS

REMOVING STORM SEWER 9LF 24"X38" RCP

610+00

611+00

612+00

613+00

614+00

615

USH 12 (WISCONSIN DELLS PARKWAY)

MATCHLINE STA. 609+50

MATCHLINE STA. 615+00

5 REMOVING STORM SEWER 18LF 18" RCP

6 7 8 9 10 11 12 13

REMOVING STORM SEWER 9LF 18" RCP

REMOVING STORM SEWER 8LF 18" RCP

REMOVE RAILING, 244 LF

REMOVING STORM SEWER 4 LF 27" RCP

REMOVING STORM SEWER 266 LF 27" RCP

VENT

SPRINGBROOK CREEK

PROJECT NO: 6145-01-73	HWY: USH 12	COUNTY: SAUK	REMOVAL PLAN	SHEET 80	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-73\021101_RM.DWG
LAYOUT NAME - 021102_rm

PLOT DATE : 1/30/2026 11:44 AM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:40 FT

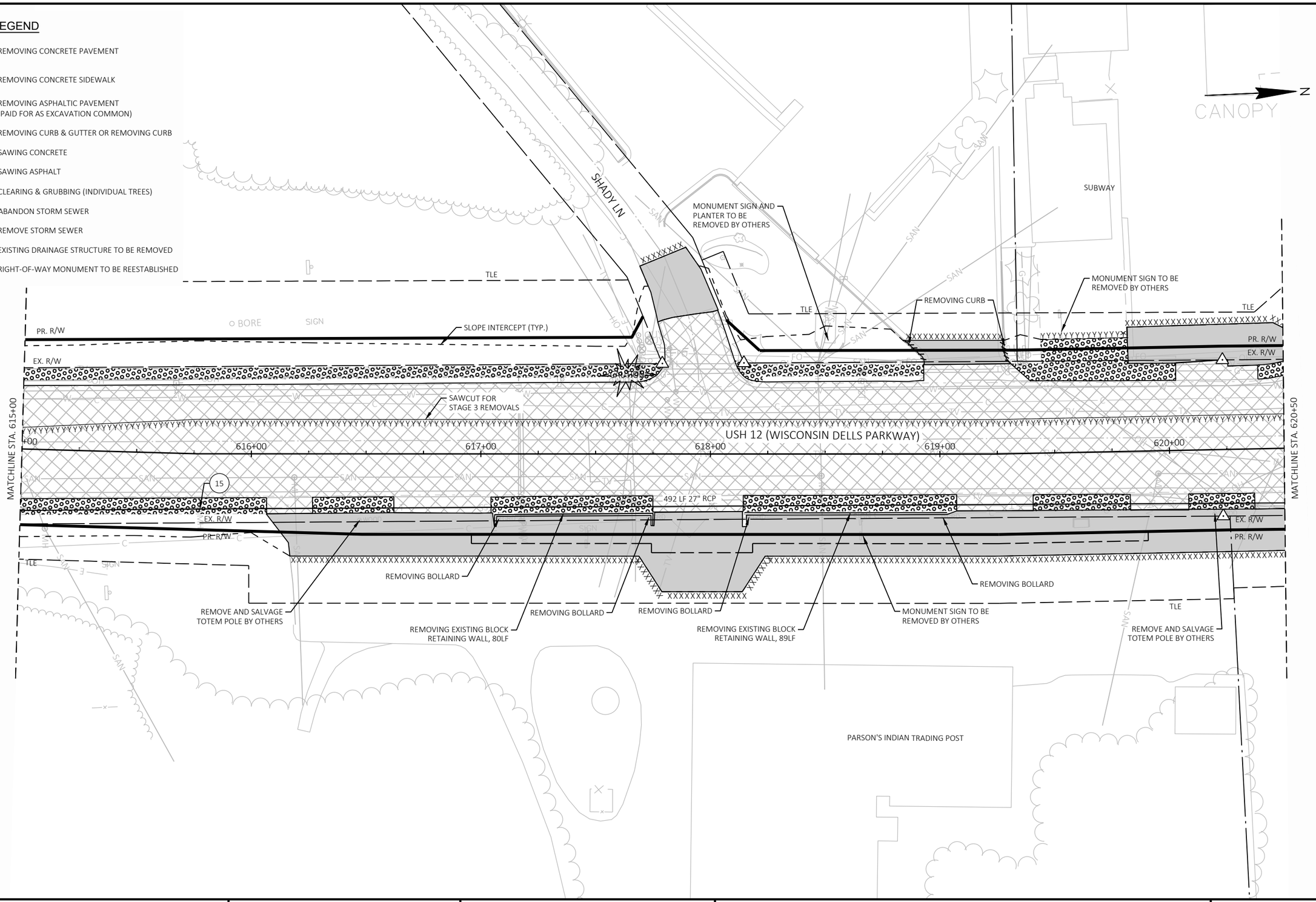
WISDOT/CADDS SHEET 42

2

2

LEGEND

- REMOVING CONCRETE PAVEMENT
- REMOVING CONCRETE SIDEWALK
- REMOVING ASPHALTIC PAVEMENT (PAID FOR AS EXCAVATION COMMON)
- REMOVING CURB & GUTTER OR REMOVING CURB
- YYYYYY SAWING CONCRETE
- XXXXXX SAWING ASPHALT
- X CLEARING & GRUBBING (INDIVIDUAL TREES)
- ABANDON STORM SEWER
- REMOVE STORM SEWER
- XX EXISTING DRAINAGE STRUCTURE TO BE REMOVED
- RIGHT-OF-WAY MONUMENT TO BE REESTABLISHED



PROJECT NO: 6145-01-73	HWY: USH 12	COUNTY: SAUK	REMOVAL PLAN	SHEET 81	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-73\021101_RM.DWG
LAYOUT NAME - 021103_rm
PLOT DATE : 1/30/2026 11:45 AM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

N

NEWSOM LN

REMOVING LIGHTING UNIT

TLE

PR. R/W

22

39 LF 15" RCP

56 LF 15" RCP

21

CAUTION

23

VILLAGE OF LAKE DELTON OUTLOT

TLE

SLOPE INTERCEPT (TYP.)

REMOVING STORM SEWER 8 LF 12" RCP

TLE

PR. R/W

EX. R/W

SAWCUT FOR STAGE 3 REMOVALS

24

25

MATCHLINE STA. 620+50

621+00

622+00

623+00

624+00

625+00

626

MATCHLINE STA. 626+00

USH 12 (WISCONSIN DELLS PARKWAY)

72 LF 15" RCP

20

492 LF 27" RCP

465 LF 27" RCP

26

49 LF 18" RCP

27

7 LF 12" RCP

93 LF 36" RCP

EX. R/W

PR. R/W

28

REMOVING BOLLARD

REMOVING BOLLARD

REMOVING BOLLARD

REMOVING EXISTING BLOCK RETAINING WALL, 183LF

MONUMENT SIGN AND BLOCK PLANTER TO BE REMOVED BY OTHERS

TLE

TLE

REMOVING STORM SEWER 6 LF 18" RCP

TOMMY BARTLETT INTERACTIVE SCIENCE CENTER

RIDE THE GYRO

LEGEND

- REMOVING CONCRETE PAVEMENT
- REMOVING CONCRETE SIDEWALK
- REMOVING ASPHALTIC PAVEMENT (PAID FOR AS EXCAVATION COMMON)
- REMOVING CURB & GUTTER OR REMOVING CURB
- YYYYYY SAWING CONCRETE
- XXXXXX SAWING ASPHALT
- X CLEARING & GRUBBING (INDIVIDUAL TREES)
- ABANDON STORM SEWER
- REMOVE STORM SEWER
- XX EXISTING DRAINAGE STRUCTURE TO BE REMOVED
- RIGHT-OF-WAY MONUMENT TO BE REESTABLISHED

PROJECT NO: 6145-01-73	HWY: USH 12	COUNTY: SAUK	REMOVAL PLAN	SHEET 82	E

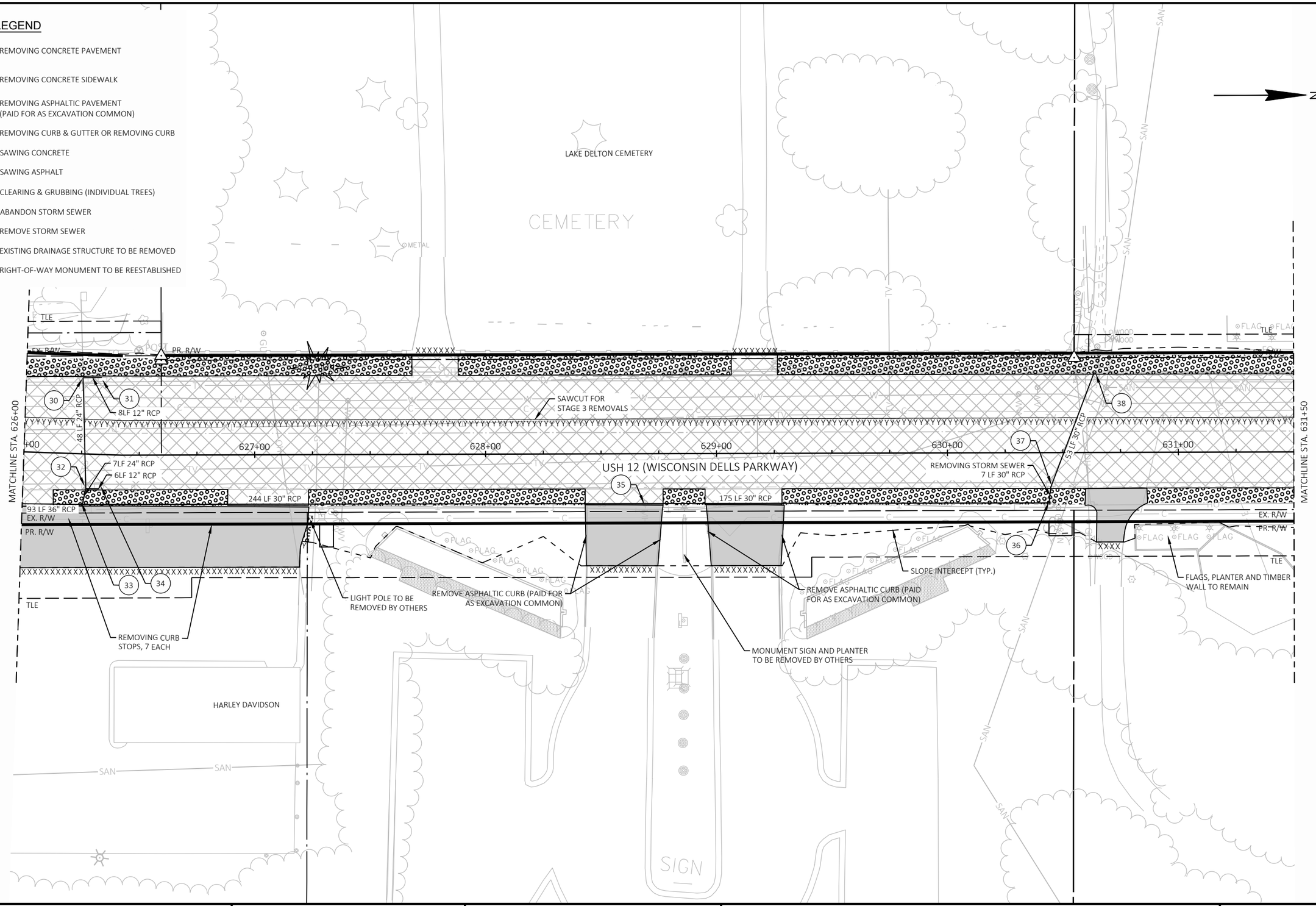
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LAYOUT NAME - 021104_rm

PLOT DATE : 1/30/2026 11:45 AM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

LEGEND

- REMOVING CONCRETE PAVEMENT
- REMOVING CONCRETE SIDEWALK
- REMOVING ASPHALTIC PAVEMENT (PAID FOR AS EXCAVATION COMMON)
- REMOVING CURB & GUTTER OR REMOVING CURB
- YYYYYY SAWING CONCRETE
- XXXXXX SAWING ASPHALT
- X CLEARING & GRUBBING (INDIVIDUAL TREES)
- ABANDON STORM SEWER
- REMOVE STORM SEWER
- XX EXISTING DRAINAGE STRUCTURE TO BE REMOVED
- RIGHT-OF-WAY MONUMENT TO BE REESTABLISHED



PROJECT NO: 6145-01-73	HWY: USH 12	COUNTY: SAUK	REMOVAL PLAN	SHEET 83	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-73\021101_RM.DWG
LAYOUT NAME - 021105_rm
PLOT DATE : 1/30/2026 11:45 AM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

2

LEGEND

- REMOVING CONCRETE PAVEMENT
- REMOVING CONCRETE SIDEWALK
- REMOVING ASPHALTIC PAVEMENT (PAID FOR AS EXCAVATION COMMON)
- REMOVING CURB & GUTTER OR REMOVING CURB
- YYYYYY SAWING CONCRETE
- XXXXXX SAWING ASPHALT
- X CLEARING & GRUBBING (INDIVIDUAL TREES)
- ABANDON STORM SEWER
- REMOVE STORM SEWER
- XX EXISTING DRAINAGE STRUCTURE TO BE REMOVED
- RIGHT-OF-WAY MONUMENT TO BE REESTABLISHED

N

BUILDING 21

BUILDING 23

PACIFIC SPORTSWEAR

W. HIAWATHA DR

SLOPE INTERCEPT (TYP.)

TLE

LIGHT POLE TO BE REMOVED BY OTHERS

PLANTER TO BE REMOVED BY OTHERS

PLANTER TO BE REMOVED BY OTHERS

PR. R/W

EX. R/W

CAUTION

SAWCUT FOR STAGE 3 REMOVALS

MATCHLINE STA. 631+50

632+00

633+00

634+00

635+00

636+00

637

MATCHLINE STA. 637+00

REMOVE EXISTING BLOCK RETAINING WALL, 100LF

USH 12 (WISCONSIN DELLS PARKWAY)

EX. R/W

PR. R/W

TLE

MONUMENT SIGN AND PLANTER TO BE REMOVED BY OTHERS

REMOVING CURB

LIGHT POLE TO BE REMOVED BY OTHERS

PLANTERS TO BE REMOVED BY OTHERS.

REMOVING BILLBOARD SIGN AND SIGN STRUCTURE

REMOVING PAVERS, 1,173SF

LAKE CITY SOCIAL

BUILDING 24

E. HIAWATHA DR

SIGN AND PLANTER TO BE REMOVED BY OTHERS

PLANTER TO BE REMOVED BY OTHERS

PROJECT NO: 6145-01-73	HWY: USH 12	COUNTY: SAUK	REMOVAL PLAN	SHEET 84	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-73\021101_RM.DWG
LAYOUT NAME - 021106_rm

PLOT DATE : 1/30/2026 11:45 AM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

N

RED BIRD AVE

THE DELTON SUITES

DE KORRA LN

GIFTS OF THE WORLD & MOCCASINS

POOL

A/C

A/C

PLANTER TO BE REMOVED BY OTHERS

PLANTER TO BE REMOVED BY OTHERS

PLANTER TO BE REMOVED BY OTHERS

MONUMENT SIGN TO BE REMOVED BY OTHERS

TLE

PR. R/W

EX. R/W

SAWCUT FOR STAGE 3 REMOVALS

MATCHLINE STA. 637+00

638+00

639+00

640+00

641+00

642

MATCHLINE STA. 642+00

USH 12 (WISCONSIN DELLS PARKWAY)

MONUMENT SIGN AND PLANTER TO BE REMOVED BY OTHERS

SLOPE INTERCEPT (TYP.)

PLANTER TO BE REMOVED BY OTHERS

PLANTER TO BE REMOVED BY OTHERS

PLANTER TO BE REMOVED BY OTHERS

REMOVING CURB

REMOVING EXISTING TIE WALL, 83LF

THE DEL BAR

FLAMINGO

LEGEND

- REMOVING CONCRETE PAVEMENT
- REMOVING CONCRETE SIDEWALK
- REMOVING ASPHALTIC PAVEMENT (PAID FOR AS EXCAVATION COMMON)
- REMOVING CURB & GUTTER OR REMOVING CURB
- YYYYYY SAWING CONCRETE
- XXXXXX SAWING ASPHALT
- X CLEARING & GRUBBING (INDIVIDUAL TREES)
- ABANDON STORM SEWER
- REMOVE STORM SEWER
- XX EXISTING DRAINAGE STRUCTURE TO BE REMOVED
- RIGHT-OF-WAY MONUMENT TO BE REESTABLISHED

PROJECT NO: 6145-01-73	HWY: USH 12	COUNTY: SAUK	REMOVAL PLAN	SHEET 85	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-73\021101_RM.DWG
LAYOUT NAME - 021107_rm
PLOT DATE : 1/30/2026 11:46 AM
PLOT BY : CHAPMAN, JULIE
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

WINNEBAGO LN

HOUSE OF EMBERS

MATCHLINE STA. 41+25

W. LAKE AVE

42+00

40

41

36+00

EX. R/W

PLANTERS AND BRICK PAVERS TO BE REMOVED BY OTHERS

REMOVING CURB

TLE

46 LF 12" RCP

69 LF 12" RCP

643+00

644+00

645+00

646+00

647+00

MATCHLINE STA. 642+00

MATCHLINE STA. 647+50

USH 12 (WISCONSIN DELLS PARKWAY)

42

43

26 LF 12" RCP

PR. R/W

EX. R/W

72 LF 12" RCP

44+00

E. LAKE AVE

45

44

45+00

REMOVING STORM SEWER 9LF 12" RCP

POOL

POOL

LIGHT POLE TO BE REMOVED BY OTHERS

TLE

PR. R/W

METAL POSTS TO BE REMOVED BY OTHERS

W. LAKE AVE

41+00

MATCHLINE STA. 41+25

BUILDING 16 A

TLE

SLOPE INTERCEPT (TYP.)

PLANTER TO BE REMOVED BY OTHERS

SAWCUT FOR STAGE 3 REMOVALS

PR. R/W

EX. R/W

TLE

REMOVING CURB

PLANTER TO BE REMOVED BY OTHERS

REMOVING CURB

MONUMENT SIGN AND PLANTER TO BE REMOVED BY OTHERS

REMOVING TIE WALL, 11LF

TLE

EX. R/W

PR. R/W

EX. R/W

PR. R/W

TLE

FLAG

N

LEGEND

- REMOVING CONCRETE PAVEMENT
- REMOVING CONCRETE SIDEWALK
- REMOVING ASPHALTIC PAVEMENT (PAID FOR AS EXCAVATION COMMON)
- REMOVING CURB & GUTTER OR REMOVING CURB
- YYYYYY SAWING CONCRETE
- XXXXXX SAWING ASPHALT
- X CLEARING & GRUBBING (INDIVIDUAL TREES)
- ABANDON STORM SEWER
- REMOVE STORM SEWER
- XX EXISTING DRAINAGE STRUCTURE TO BE REMOVED
- RIGHT-OF-WAY MONUMENT TO BE REESTABLISHED

PROJECT NO: 6145-01-73	HWY: USH 12	COUNTY: SAUK	REMOVAL PLAN	SHEET 86	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-73\021101_RM.DWG
LAYOUT NAME - 021108_rm

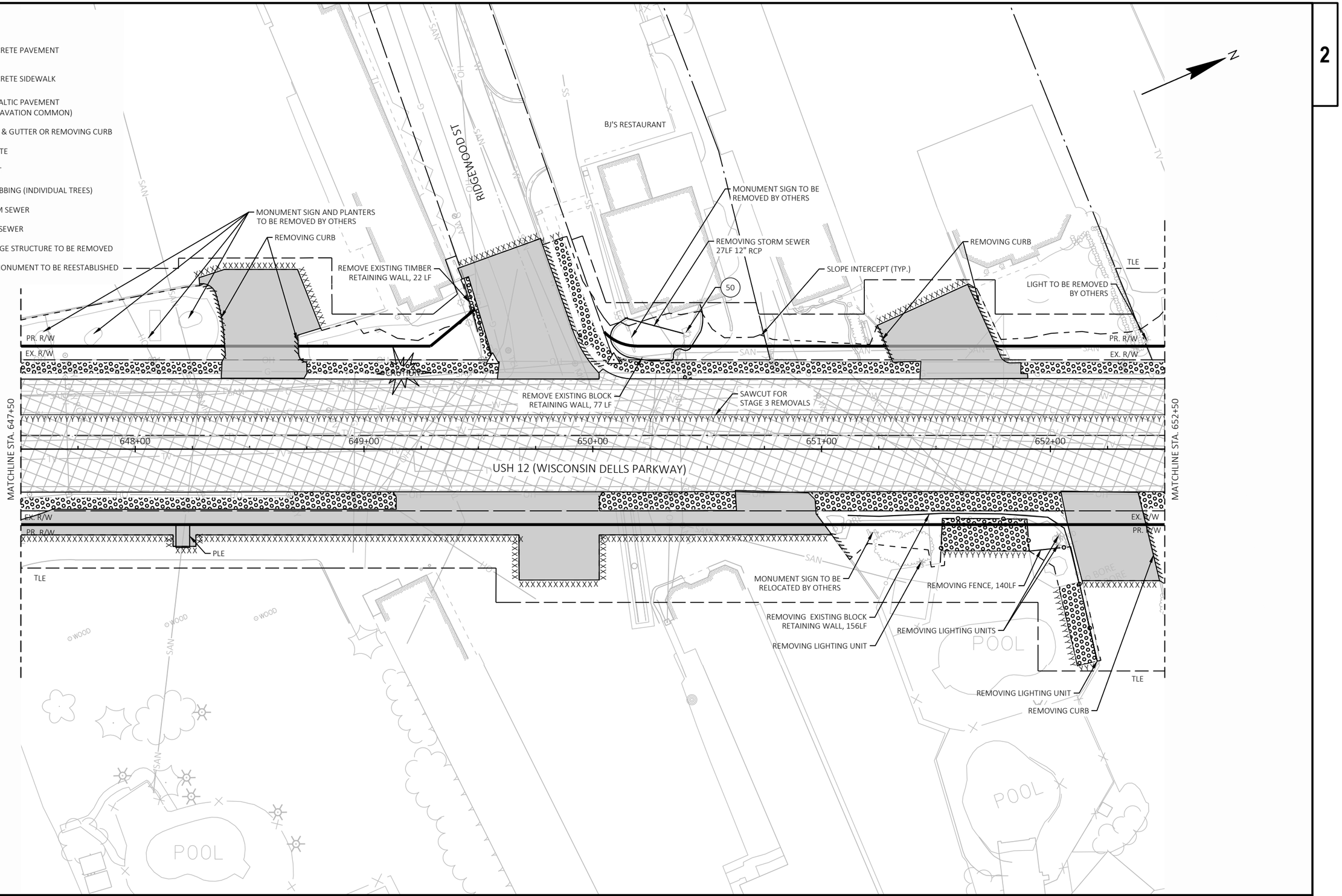
PLOT DATE : 1/30/2026 11:46 AM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- REMOVING CONCRETE PAVEMENT
- REMOVING CONCRETE SIDEWALK
- REMOVING ASPHALTIC PAVEMENT (PAID FOR AS EXCAVATION COMMON)
- REMOVING CURB & GUTTER OR REMOVING CURB
- YYYYYY SAWING CONCRETE
- XXXXXX SAWING ASPHALT
- X CLEARING & GRUBBING (INDIVIDUAL TREES)
- ABANDON STORM SEWER
- REMOVE STORM SEWER
- XX EXISTING DRAINAGE STRUCTURE TO BE REMOVED
- RIGHT-OF-WAY MONUMENT TO BE REESTABLISHED


RIDGEWOOD ST
BJ'S RESTAURANT
MONUMENT SIGN AND PLANTERS TO BE REMOVED BY OTHERS
REMOVING CURB
REMOVE EXISTING TIMBER RETAINING WALL, 22 LF
EXCAVATION
MONUMENT SIGN TO BE REMOVED BY OTHERS
REMOVING STORM SEWER 27LF 12" RCP
SLOPE INTERCEPT (TYP.)
50
REMOVING CURB
TLE
LIGHT TO BE REMOVED BY OTHERS
PR. R/W
EX. R/W
REMOVE EXISTING BLOCK RETAINING WALL, 77 LF
SAWCUT FOR STAGE 3 REMOVALS
MATCHLINE STA. 647+50
MATCHLINE STA. 652+50
648+00
649+00
650+00
651+00
652+00
USH 12 (WISCONSIN DELLS PARKWAY)
PLE
TLE
MONUMENT SIGN TO BE RELOCATED BY OTHERS
REMOVING FENCE, 140LF
REMOVING EXISTING BLOCK RETAINING WALL, 156LF
REMOVING LIGHTING UNITS
REMOVING LIGHTING UNIT
REMOVING LIGHTING UNIT
REMOVING CURB
POOL
POOL
WOOD
WOOD
WOOD
SAN
SAN
SAN

2

BUILDING 11A

POOL

HOT DOG AVENUE

PILGRIM DR

MR. PANCAKE RESTAURANT

LIGHT TO BE REMOVED BY OTHERS

REMOVING CURB

TLE

XXXXXXXXXXXXX

PR. R/W

EX. R/W

CAUTION

SAWCUT FOR STAGE 3 REMOVALS

MATCHLINE STA. 652+50

653+00

654+00

655+00

656+00

657+00

658+00

END PROJECT 6145-01-73
STA. 654+75.00

USH 12 (WISCONSIN DELLS PARKWAY)

REMOVING CURB

MONUMENT SIGN AND PLANTER TO BE REMOVED BY OTHERS

SLOPE INTERCEPT (TYP.)

FLAMINGO

BUILDING 26

BUILDING 28

LEGEND

- REMOVING CONCRETE PAVEMENT
- REMOVING CONCRETE SIDEWALK
- REMOVING ASPHALTIC PAVEMENT (PAID FOR AS EXCAVATION COMMON)
- REMOVING CURB & GUTTER OR REMOVING CURB
- YYYYYY SAWING CONCRETE
- XXXXXX SAWING ASPHALT
- X CLEARING & GRUBBING (INDIVIDUAL TREES)
- ABANDON STORM SEWER
- REMOVE STORM SEWER
- XX EXISTING DRAINAGE STRUCTURE TO BE REMOVED
- RIGHT-OF-WAY MONUMENT TO BE REESTABLISHED

PROJECT NO: 6145-01-73	HWY: USH 12	COUNTY: SAUK	REMOVAL PLAN	SHEET 88	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-73\021101_RM.DWG
LAYOUT NAME - 021110_rm

PLOT DATE : 1/30/2026 11:46 AM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

2

LEGEND

- REMOVING CONCRETE PAVEMENT
- REMOVING CONCRETE SIDEWALK
- REMOVING ASPHALTIC PAVEMENT (PAID FOR AS EXCAVATION COMMON)
- REMOVING CURB & GUTTER OR REMOVING CURB
- YYYYYY SAWING CONCRETE
- XXXXXX SAWING ASPHALT
- X CLEARING & GRUBBING (INDIVIDUAL TREES)
- ABANDON STORM SEWER
- REMOVE STORM SEWER
- XX EXISTING DRAINAGE STRUCTURE TO BE REMOVED
- RIGHT-OF-WAY MONUMENT TO BE REESTABLISHED

BUILDING 11A

HOT DOG AVENUE

USH 12 (WISCONSIN DELLS PARKWAY)

650+00 651+00 652+00 653+00 654+00 655+00

PR. R/W

EX. R/W

TLE

CAUTION

SAWCUT FOR STAGE 1 REMOVALS

YYYYYYYYYYYYYYYYYYYYYYYYYYYYYY

MATCHLINE STA. 655+50

BEGIN PROJECT 6145-01-72
STA. 654+75.00

SLOPE INTERCEPT (TYP.)

XXXXXXXXXXXX

FLAMINGO

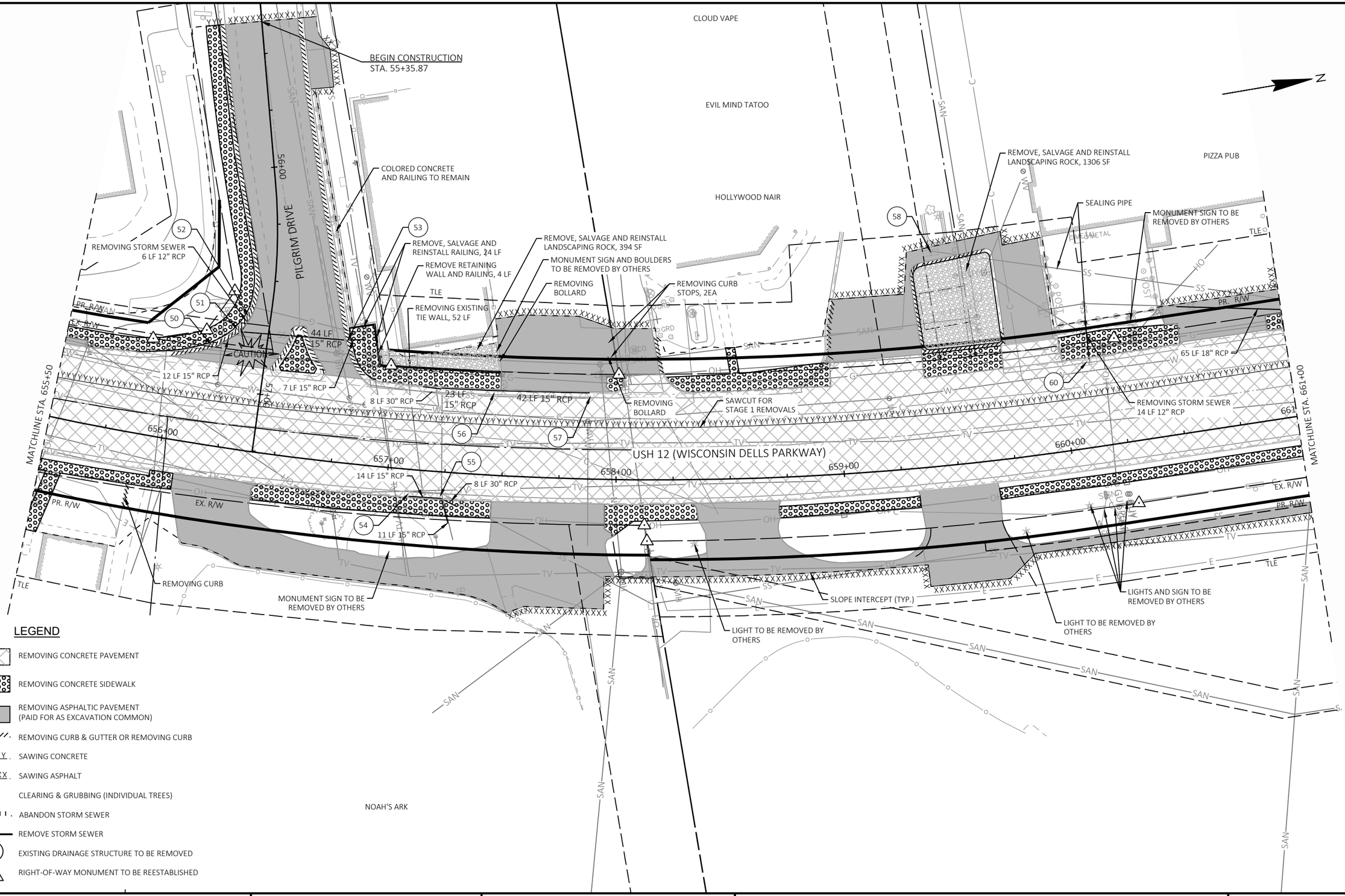
BUILDING 26

PROJECT NO: 6145-01-72	HWY: USH 12	COUNTY: SAUK	REMOVAL PLAN	SHEET 89	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-72\021101_RM.DWG
LAYOUT NAME - 021101_rm

PLOT DATE : 2/4/2026 10:11 AM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:40 FT

2



PROJECT NO: 6145-01-72	HWY: USH 12	COUNTY: SAUK	REMOVAL PLAN	SHEET 90	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-72\021101_RM.DWG
LAYOUT NAME - 021102_rm
PLOT DATE : 2/4/2026 10:11 AM
PLOT BY : CHAPMAN, JULIE
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

N

OLYMPUS DR

B-LUX GRILL & BAR

REMOVING STORM SEWER
19 LF 15" RCP

REMOVING STORM SEWER
65 LF 18" RCP

MONUMENT SIGN AND PLANTER
TO BE REMOVED BY OTHERS

REMOVING FENCE,
26LF

REMOVING STORM SEWER
50 LF 15" RCP

REMOVE, SALVAGE AND
REINSTALL RAILING

LIGHT TO BE REMOVED
BY OTHERS

LIGHTS AND PLANTER TO
BE REMOVED BY OTHERS

PR. R/W

EX. R/W

TLE

REMOVING DRAINAGE CHAMBER
(STA. 661+22, LT)

USH 12 (WISCONSIN DELLS PARKWAY)

SAWCUT FOR
STAGE 1 REMOVALS

REMOVING DRAINAGE CHAMBER
(STA. 661+22, RT)

61

48 LF 24" RCP

48 LF 24" RCP

9 LF 12" RCP

18 LF 60" RCP

MATCHLINE STA. 661+00

MATCHLINE STA. 666+50

662+00

663+00

664+00

665+00

666+00

LIGHT TO BE REMOVED BY
OTHERS

MONUMENT SIGN TO BE
REMOVED BY OTHERS

MONUMENT SIGN AND LIGHT
POLE TO BE REMOVED BY OTHERS

REMOVING ELEVATED CONCRETE
PATIO AND RAILING, 592 SF

PLANTER TO BE REMOVED
BY OTHERS

SLOPE INTERCEPT (TYP.)

REMOVING CURB

REMOVING CURB

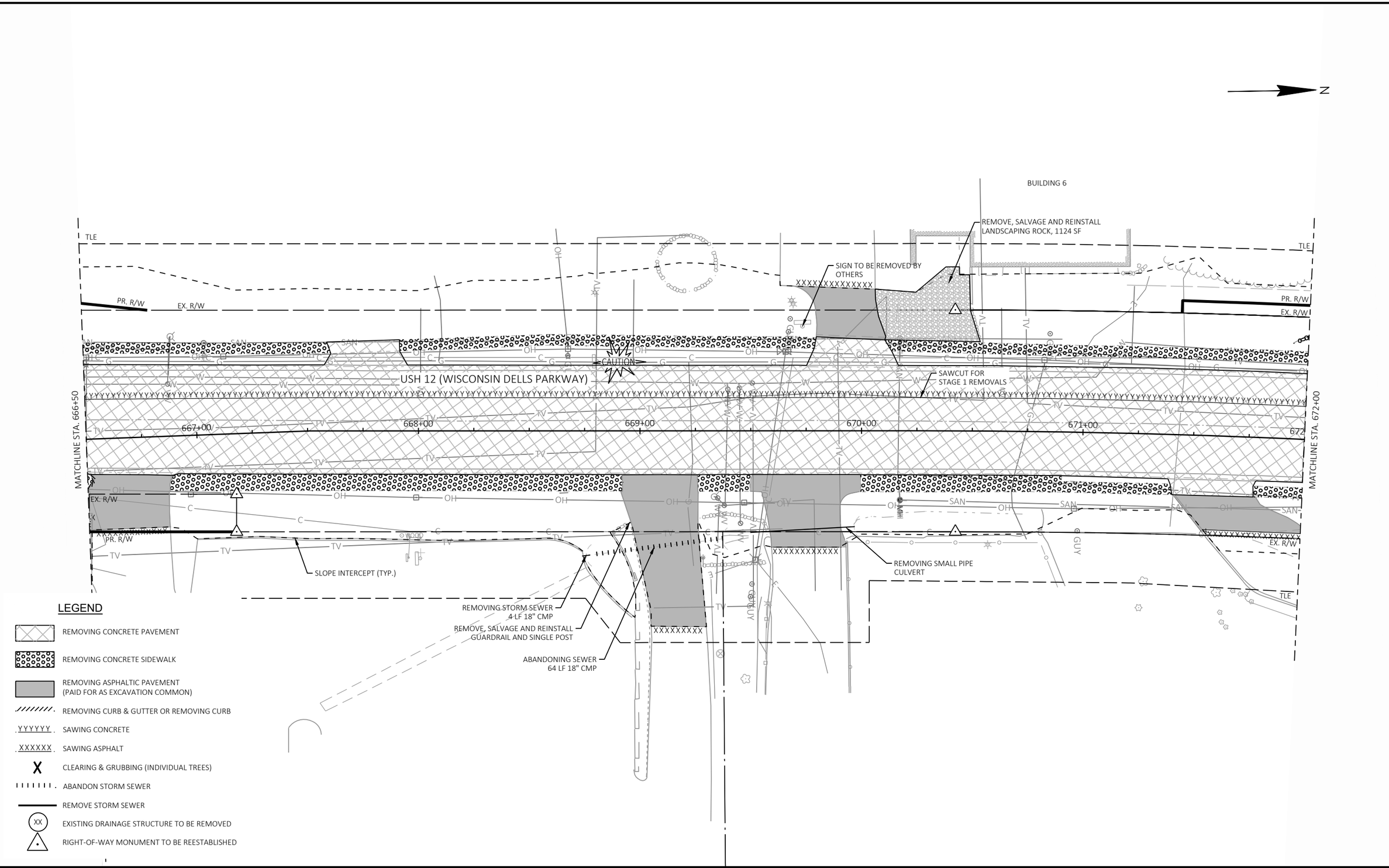
SOCIAL STUDIO

LEGEND

- REMOVING CONCRETE PAVEMENT
- REMOVING CONCRETE SIDEWALK
- REMOVING ASPHALTIC PAVEMENT (PAID FOR AS EXCAVATION COMMON)
- REMOVING CURB & GUTTER OR REMOVING CURB
- YYYYYY SAWING CONCRETE
- XXXXXX SAWING ASPHALT
- X CLEARING & GRUBBING (INDIVIDUAL TREES)
- ABANDON STORM SEWER
- REMOVE STORM SEWER
- XX EXISTING DRAINAGE STRUCTURE TO BE REMOVED
- RIGHT-OF-WAY MONUMENT TO BE REESTABLISHED

PROJECT NO: 6145-01-72	HWY: USH 12	COUNTY: SAUK	REMOVAL PLAN	SHEET 91	E

2



PROJECT NO: 6145-01-72	HWY: USH 12	COUNTY: SAUK	REMOVAL PLAN	SHEET 92	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-72\021101_RM.DWG
LAYOUT NAME - 021104_rm
PLOT DATE : 2/4/2026 10:11 AM
PLOT BY : CHAPMAN, JULIE
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

BUILDING 5

N

REMOVING BILLBOARD SIGN AND SIGN STRUCTURE

REMOVING LIGHTING UNIT

REMOVING EXISTING BOULDER WALL, 207LF

REMOVING TRASH RECEPTICLE AND BENCHES

REMOVING LIGHTING UNIT

REMOVING EXISTING BOULDER WALL, 287LF

REMOVING LIGHTING UNIT

TLE

PR. R/W

EX. R/W

SAWCUT FOR STAGE 1 REMOVALS

USH 12 (WISCONSIN DELLS PARKWAY)

CAUTION

MATCHLINE STA. 672+00

MATCHLINE STA. 677+50

673+00

674+00

675+00

676+00

677+00

REMOVING EXISTING BOULDER WALL, 110LF

REMOVE CONCRETE FLUME (PAID FOR AS REMOVING CONCRETE SIDEWALK)

SLOPE INTERCEPT (TYP.)

REMOVING EXISTING BOULDER WALL, 182LF

SIGN TO BE REMOVED BY OTHERS

PROPERTY OWNER TO REMOVE BRICK RETAINING WALL

PROPERTY OWNER TO REMOVE BRICK PLANTER

REMOVE, SALVAGE AND REINSTALL BRICK EDGING, 80 LF

PROPERTY OWNER TO REMOVE BRICK PLANTER

BUILDING 29 A

BUILDING 29 B

LEGEND

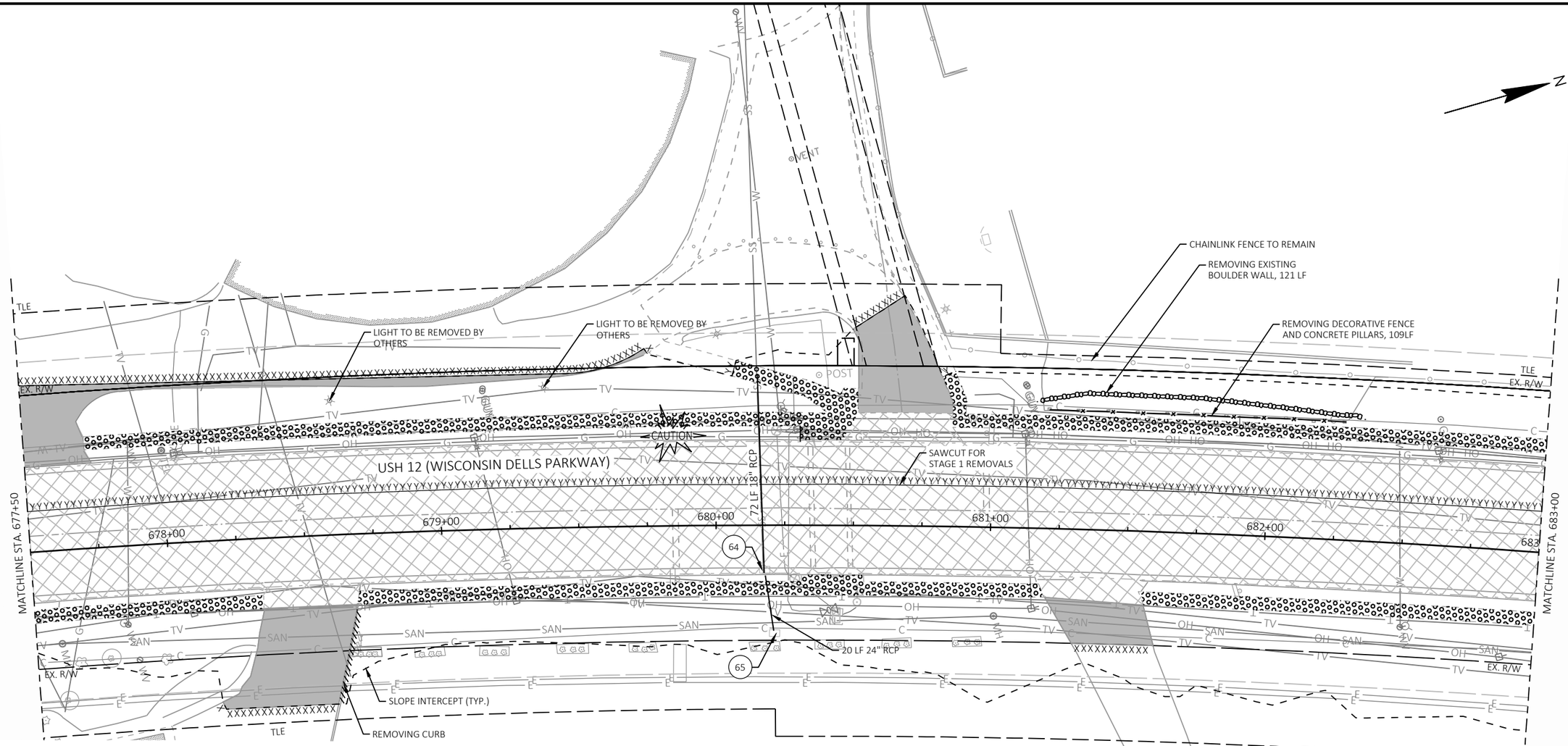
- REMOVING CONCRETE PAVEMENT
- REMOVING CONCRETE SIDEWALK
- REMOVING ASPHALTIC PAVEMENT (PAID FOR AS EXCAVATION COMMON)
- REMOVING CURB & GUTTER OR REMOVING CURB
- YYYYYY SAWING CONCRETE
- XXXXXX SAWING ASPHALT
- X CLEARING & GRUBBING (INDIVIDUAL TREES)
- ABANDON STORM SEWER
- REMOVE STORM SEWER
- XX EXISTING DRAINAGE STRUCTURE TO BE REMOVED
- RIGHT-OF-WAY MONUMENT TO BE REESTABLISHED

PROJECT NO: 6145-01-72	HWY: USH 12	COUNTY: SAUK	REMOVAL PLAN	SHEET 93	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-72\021101_RM.DWG
LAYOUT NAME - 021105_rm

PLOT DATE : 2/11/2026 10:11 AM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:40 FT

2



LEGEND

- REMOVING CONCRETE PAVEMENT
- REMOVING CONCRETE SIDEWALK
- REMOVING ASPHALTIC PAVEMENT (PAID FOR AS EXCAVATION COMMON)
- REMOVING CURB & GUTTER OR REMOVING CURB
- YYYYYY SAWING CONCRETE
- XXXXXX SAWING ASPHALT
- X CLEARING & GRUBBING (INDIVIDUAL TREES)
- ABANDON STORM SEWER
- REMOVE STORM SEWER
- (XX) EXISTING DRAINAGE STRUCTURE TO BE REMOVED
- RIGHT-OF-WAY MONUMENT TO BE REESTABLISHED

PROJECT NO: 6145-01-72	HWY: USH 12	COUNTY: SAUK	REMOVAL PLAN	SHEET 94	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-72\021101_RM.DWG
LAYOUT NAME - 021106_rm
PLOT DATE : 2/4/2026 10:11 AM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

LEGEND

- REMOVING CONCRETE PAVEMENT
- REMOVING CONCRETE SIDEWALK
- REMOVING ASPHALTIC PAVEMENT (PAID FOR AS EXCAVATION COMMON)
- REMOVING CURB & GUTTER OR REMOVING CURB
- YYYYYY SAWING CONCRETE
- XXXXXX SAWING ASPHALT
- X CLEARING & GRUBBING (INDIVIDUAL TREES)
- ABANDON STORM SEWER
- REMOVE STORM SEWER
- (XX) EXISTING DRAINAGE STRUCTURE TO BE REMOVED
- RIGHT-OF-WAY MONUMENT TO BE REESTABLISHED

CHAINLINK FENCE TO REMAIN

REMOVING BOLLARD

67

REMOVING STORM SEWER 259 LF 36" HDPE

CAUTION

SAWCUT FOR STAGE 1 REMOVALS

USH 12 (WISCONSIN DELLS PARKWAY)

TLE

EX. R/W

684+00

685+00

686+00

687+00

688+00

MATCHLINE STA. 683+00

MATCHLINE STA. 688+50

WOOD POSTS TO BE REMOVED BY OTHERS

SLOPE INTERCEPT (TYP.)

PLANTER TO BE REMOVED BY OTHERS

SIGN AND BUSHES TO REMAIN

BONANZA DR

ALLIGATOR ALLEY

PACIFIC SPORTSWEAR

2

PROJECT NO: 6145-01-72	HWY: USH 12	COUNTY: SAUK	REMOVAL PLAN	SHEET 95	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-72\021101_RM.DWG
LAYOUT NAME - 021107_rm

PLOT DATE : 2/4/2026 10:12 AM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:40 FT

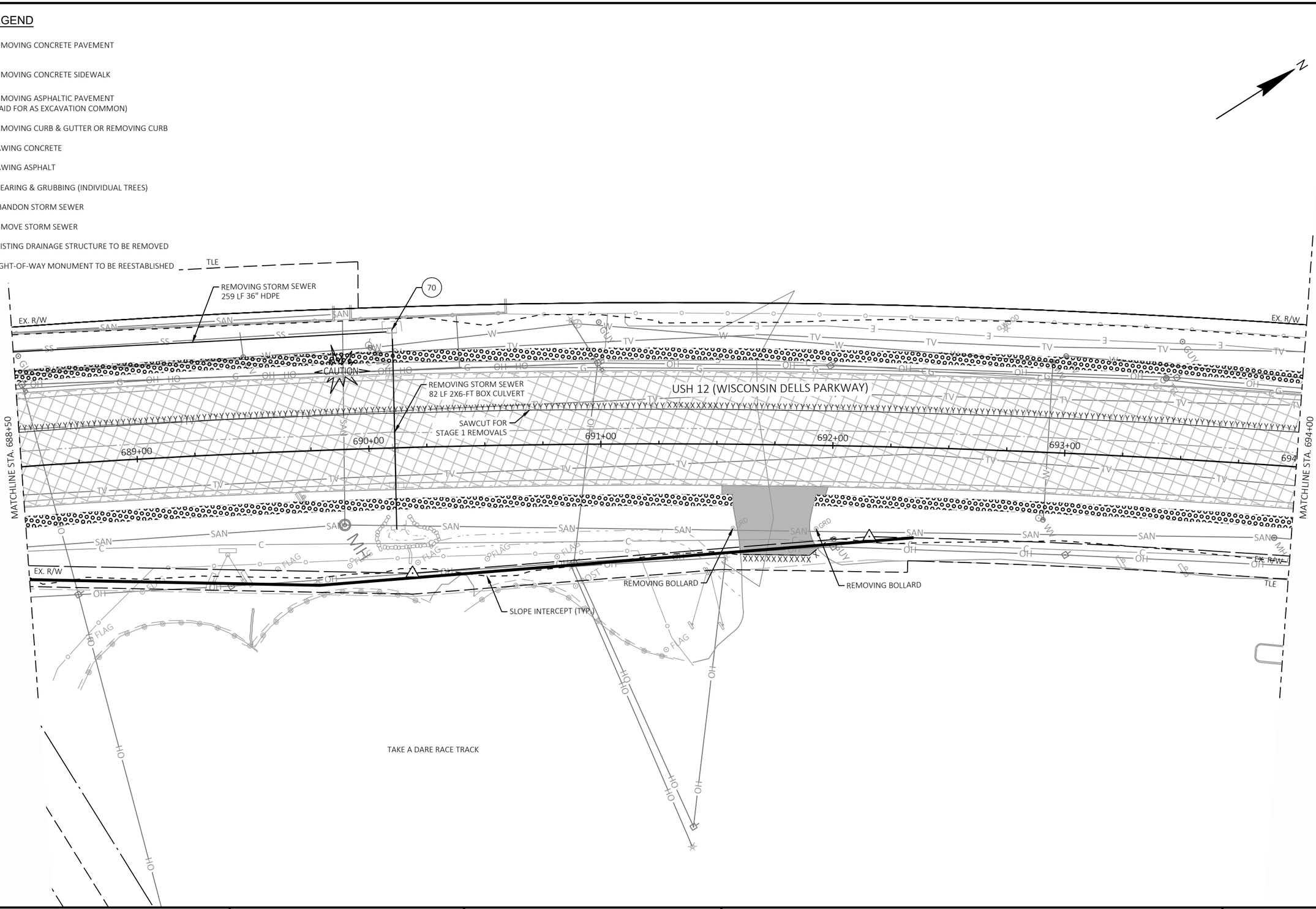
WISDOT/CADDS SHEET 42

2

2

LEGEND

- REMOVING CONCRETE PAVEMENT
- REMOVING CONCRETE SIDEWALK
- REMOVING ASPHALTIC PAVEMENT (PAID FOR AS EXCAVATION COMMON)
- REMOVING CURB & GUTTER OR REMOVING CURB
- YYYYYY SAWING CONCRETE
- XXXXXX SAWING ASPHALT
- X CLEARING & GRUBBING (INDIVIDUAL TREES)
- ABANDON STORM SEWER
- REMOVE STORM SEWER
- XX EXISTING DRAINAGE STRUCTURE TO BE REMOVED
- RIGHT-OF-WAY MONUMENT TO BE REESTABLISHED



PROJECT NO: 6145-01-72	HWY: USH 12	COUNTY: SAUK	REMOVAL PLAN	SHEET 96	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-72\021101_RM.DWG
LAYOUT NAME - 021108_rm

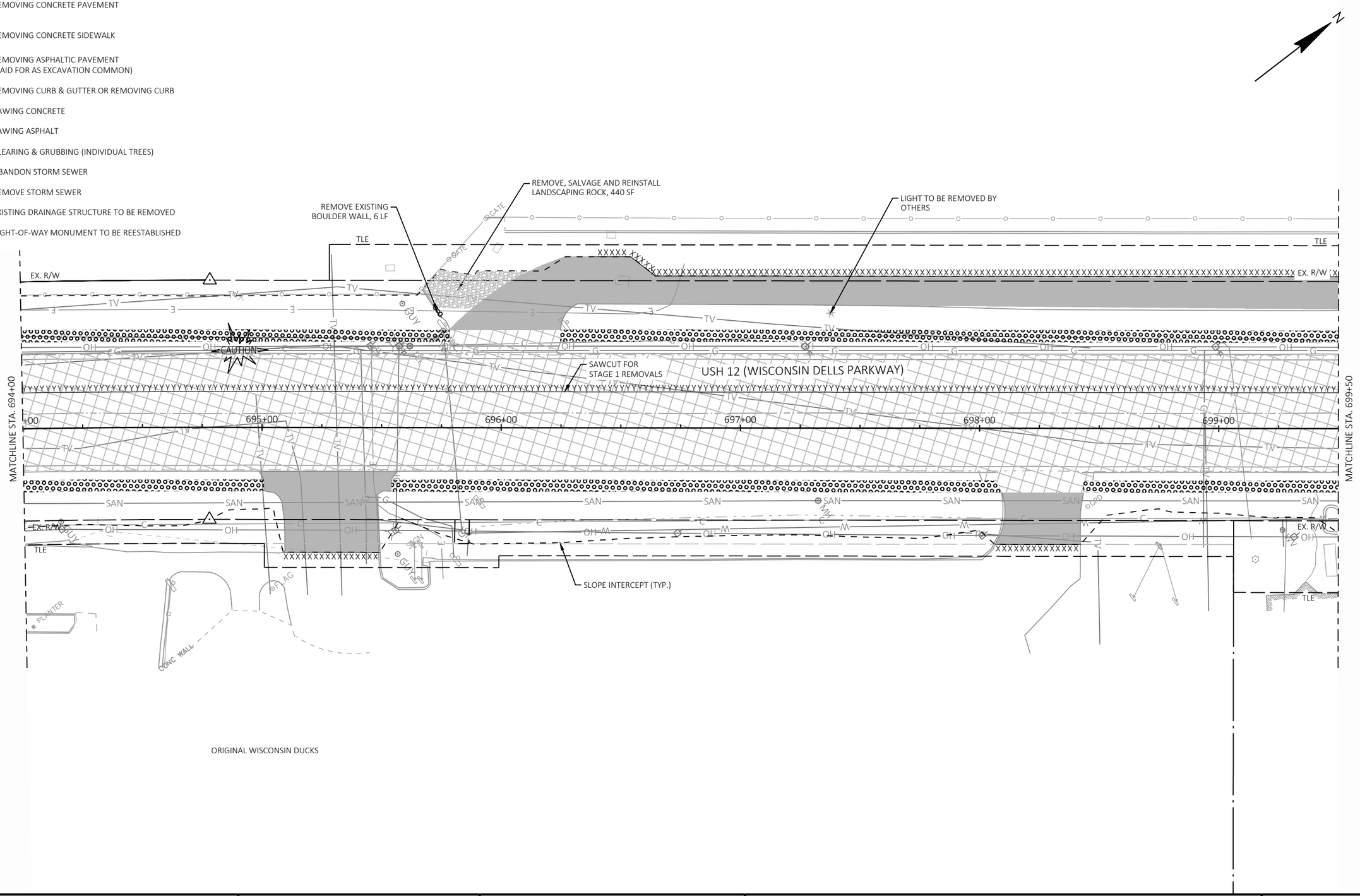
PLOT DATE : 2/4/2026 10:12 AM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- REMOVING CONCRETE PAVEMENT
- REMOVING CONCRETE SIDEWALK
- REMOVING ASPHALTIC PAVEMENT (PAID FOR AS EXCAVATION COMMON)
- REMOVING CURB & GUTTER OR REMOVING CURB
- YYYYYY SAWING CONCRETE
- XXXXXX SAWING ASPHALT
- X CLEARING & GRUBBING (INDIVIDUAL TREES)
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- REMOVE STORM SEWER
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- RIGHT-OF-WAY MONUMENT TO BE REESTABLISHED



ORIGINAL WISCONSIN DUCKS

PROJECT NO: 6145-01-72	HWY: USH 12	COUNTY: SAUK	REMOVAL PLAN	SHEET 97	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-72\021101_RM.DWG
LAYOUT NAME - 021109_rm
PLOT DATE : 2/4/2026 10:12 AM
PLOT BY : CHAPMAN, JULIE
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

2

LEGEND

- REMOVING CONCRETE PAVEMENT
- REMOVING CONCRETE SIDEWALK
- REMOVING ASPHALTIC PAVEMENT (PAID FOR AS EXCAVATION COMMON)
- REMOVING CURB & GUTTER OR REMOVING CURB
- YYYYYY SAWING CONCRETE
- XXXXXX SAWING ASPHALT
- X CLEARING & GRUBBING (INDIVIDUAL TREES)
- ABANDON STORM SEWER
- REMOVE STORM SEWER
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- RIGHT-OF-WAY MONUMENT TO BE REESTABLISHED

WOOD POST AND METAL POST TO BE REMOVED BY OTHERS

EX. R/W

SAWCUT FOR STAGE 1 REMOVALS

CAUTION

END PROJECT 6145-01-72
STA. 700+50.00

USH 12 (WISCONSIN DELLS PARKWAY)

MATCHLINE STA. 699+50

700+00 701+00 702+00 703+00 704+00 705+00

TLE

SLOPE INTERCEPT (TYP.)

REMOVE BLOCK RETAINING WALL, 129LF

BUILDING 31 A

BUILDING 31 B

PROJECT NO: 6145-01-72	HWY: USH 12	COUNTY: SAUK	REMOVAL PLAN	SHEET 98	E

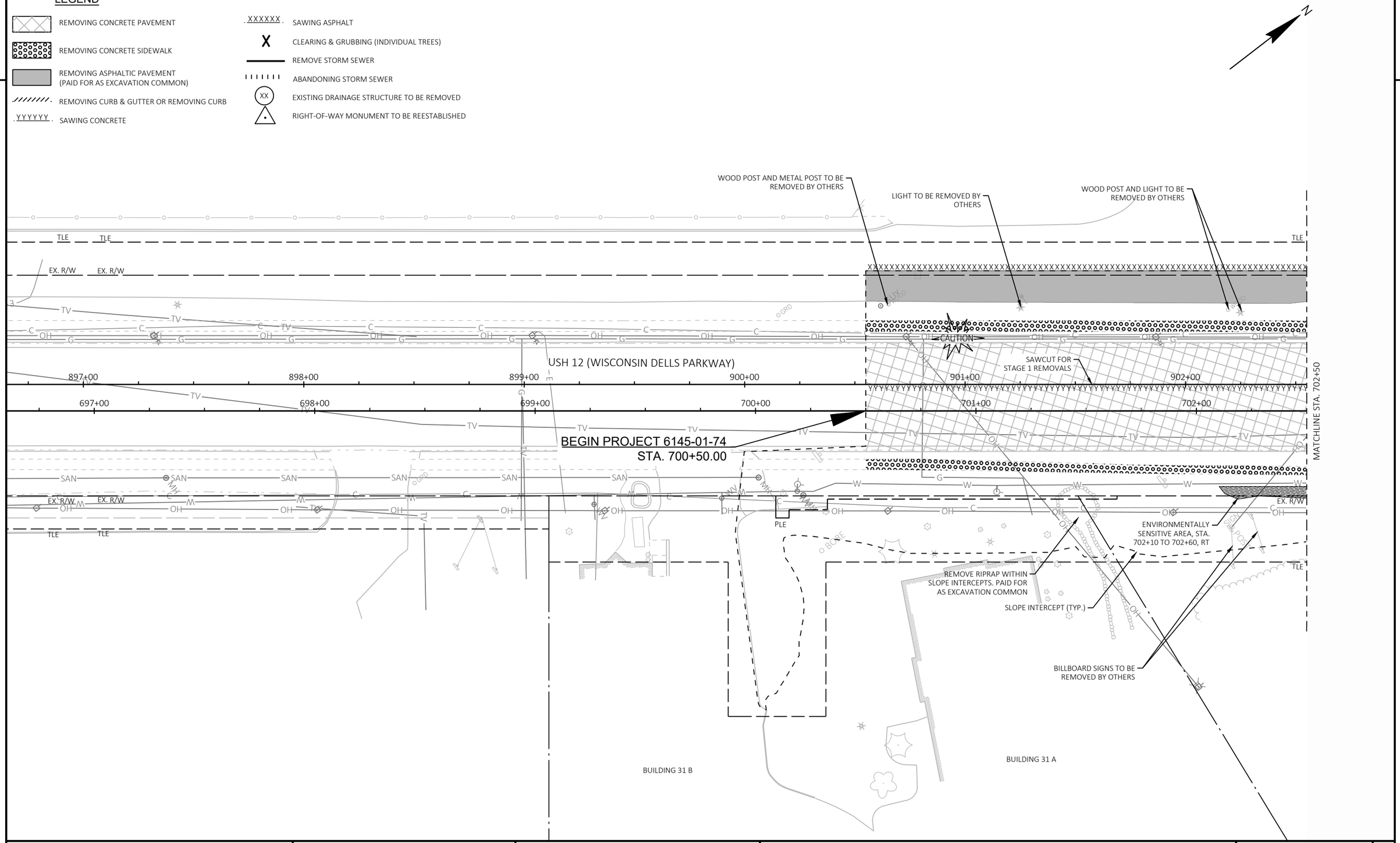
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LAYOUT NAME - 021110_rm
PLOT DATE : 2/4/2026 10:12 AM
PLOT BY : CHAPMAN, JULIE
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

2

LEGEND

- REMOVING CONCRETE PAVEMENT
- REMOVING CONCRETE SIDEWALK
- REMOVING ASPHALTIC PAVEMENT (PAID FOR AS EXCAVATION COMMON)
- REMOVING CURB & GUTTER OR REMOVING CURB
- YYYYYY SAWING CONCRETE
- XXXXXX SAWING ASPHALT
- X CLEARING & GRUBBING (INDIVIDUAL TREES)
- REMOVE STORM SEWER
- ABANDONING STORM SEWER
- XX EXISTING DRAINAGE STRUCTURE TO BE REMOVED
- RIGHT-OF-WAY MONUMENT TO BE REESTABLISHED



PROJECT NO: 6145-01-74	HWY: USH 12	COUNTY: SAUK	REMOVAL PLAN	SHEET 99	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-74\021101_RM.DWG
LAYOUT NAME - 021203_rm

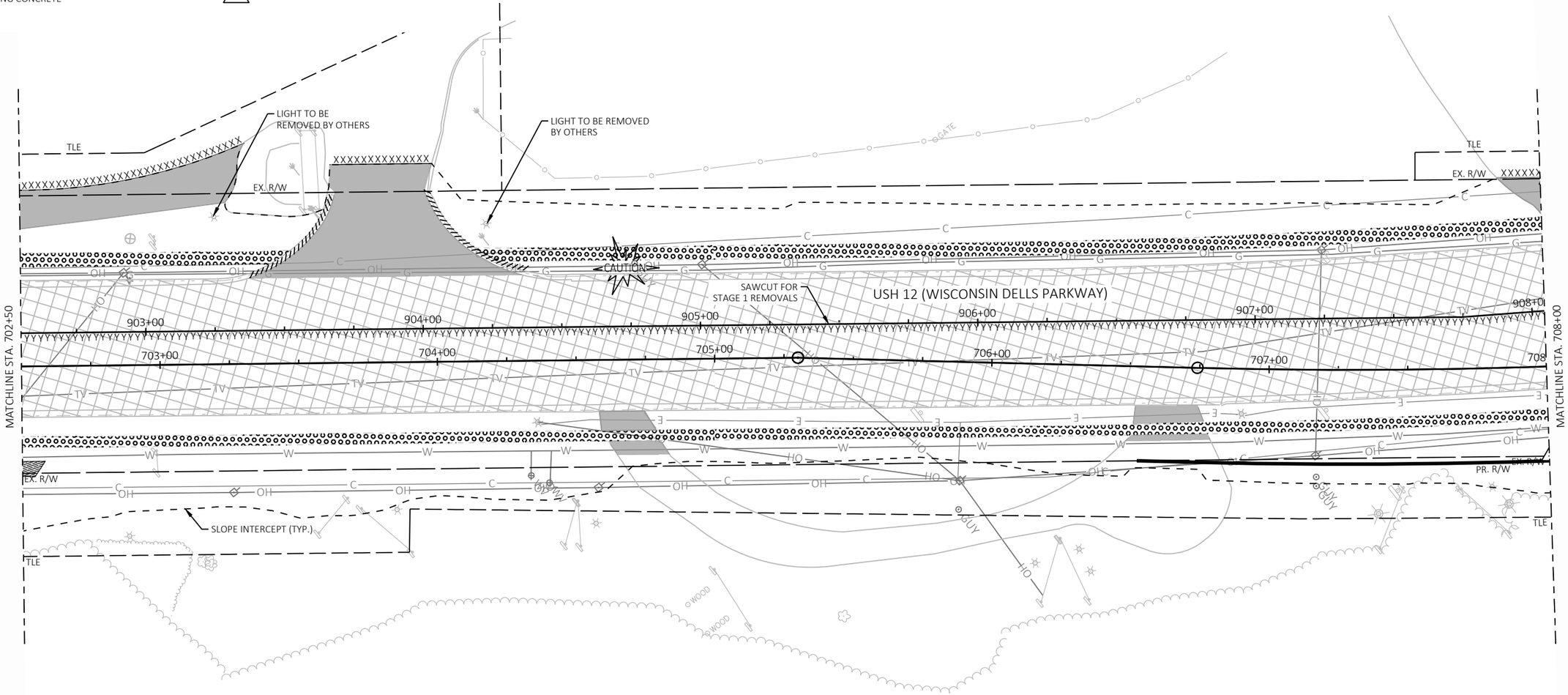
PLOT DATE : 1/29/2026 10:47 AM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- REMOVING CONCRETE PAVEMENT
- REMOVING CONCRETE SIDEWALK
- REMOVING ASPHALTIC PAVEMENT (PAID FOR AS EXCAVATION COMMON)
- REMOVING CURB & GUTTER OR REMOVING CURB
- YYYYYY SAWING CONCRETE
- XXXXXX SAWING ASPHALT
- X CLEARING & GRUBBING (INDIVIDUAL TREES)
- REMOVE STORM SEWER
- ABANDONING STORM SEWER
- XX EXISTING DRAINAGE STRUCTURE TO BE REMOVED
- RIGHT-OF-WAY MONUMENT TO BE REESTABLISHED



PROJECT NO: 6145-01-74	HWY: USH 12	COUNTY: SAUK	REMOVAL PLAN	SHEET 100	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-74\021101_RM.DWG
LAYOUT NAME - 021204_rm

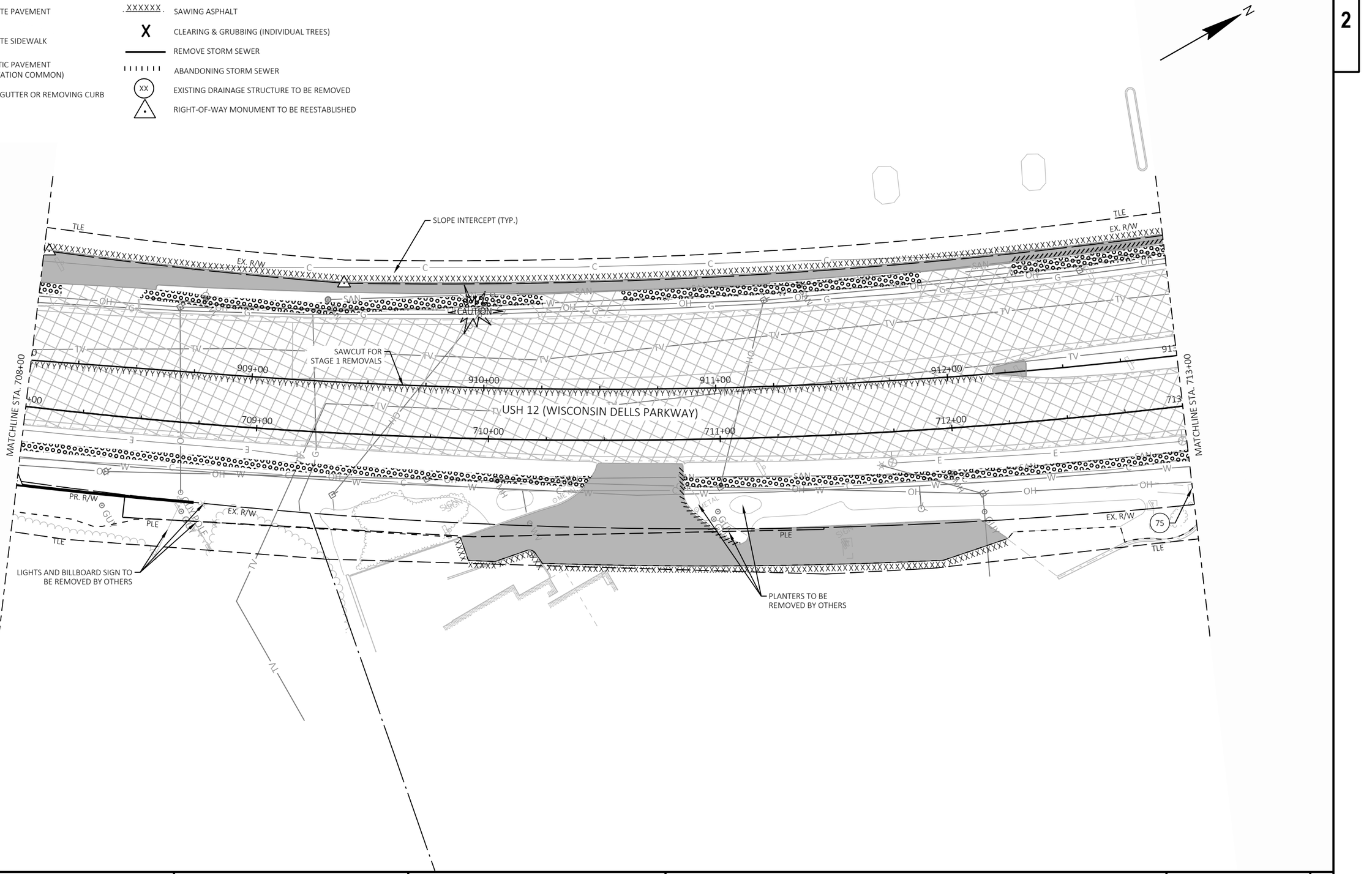
PLOT DATE : 1/29/2026 10:47 AM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- REMOVING CONCRETE PAVEMENT
- REMOVING CONCRETE SIDEWALK
- REMOVING ASPHALTIC PAVEMENT (PAID FOR AS EXCAVATION COMMON)
- REMOVING CURB & GUTTER OR REMOVING CURB
- SAWING CONCRETE
- SAWING ASPHALT
- CLEARING & GRUBBING (INDIVIDUAL TREES)
- REMOVE STORM SEWER
- ABANDONING STORM SEWER
- EXISTING DRAINAGE STRUCTURE TO BE REMOVED
- RIGHT-OF-WAY MONUMENT TO BE REESTABLISHED



PROJECT NO: 6145-01-74	HWY: USH 12	COUNTY: SAUK	REMOVAL PLAN	SHEET 101	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-74\021101_RM.DWG
LAYOUT NAME - 021205_rm
PLOT DATE : 1/29/2026 10:47 AM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

20-FT ACCESS EASEMENT

20'

N

EX. R/W

TLE

REMOVING CURB

CAUTION

80

35 LF 12" RCP

SAWCUT FOR STAGE 1 REMOVALS

914+00

915+00

916+00

917+00

918+00

87

86

28LF 18" RCP

31 LF 12" RCP

SAWCUT FOR STAGE 1 REMOVALS

MATCHLINE STA. 713+00

79

78

4 LF 18" RCP

25LF 12" RCP

714+00

715+00

716+00

717+00

718+00

85

17LF 12" RCP

MATCHLINE STA. 718+50

60 LF 24" RCP

USH 12 (WISCONSIN DELLS PARKWAY)

76

43 LF 18"RCP

64 LF 18" RCP

77

30 LF 12" RCP

CAUTION

TLE

SLOPE INTERCEPT (TYP.)

71+00

CTH A

MATCHLINE STA. 71+50

20-FT WIDE UTILITY EASEMENT

NATURA TREESCAPE RESORT

SAFARI TRAIN

LEGEND

- REMOVING CONCRETE PAVEMENT
- REMOVING CONCRETE SIDEWALK
- REMOVING ASPHALTIC PAVEMENT (PAID FOR AS EXCAVATION COMMON)
- REMOVING CURB & GUTTER OR REMOVING CURB
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- XXXXXX SAWING ASPHALT
- X CLEARING & GRUBBING (INDIVIDUAL TREES)
- REMOVE STORM SEWER
- ABANDONING STORM SEWER
- XX EXISTING DRAINAGE STRUCTURE TO BE REMOVED
- RIGHT-OF-WAY MONUMENT TO BE REESTABLISHED

PROJECT NO: 6145-01-74	HWY: USH 12	COUNTY: SAUK	REMOVAL PLAN	SHEET 102	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-74\021101_RM.DWG
LAYOUT NAME - 021206_rm

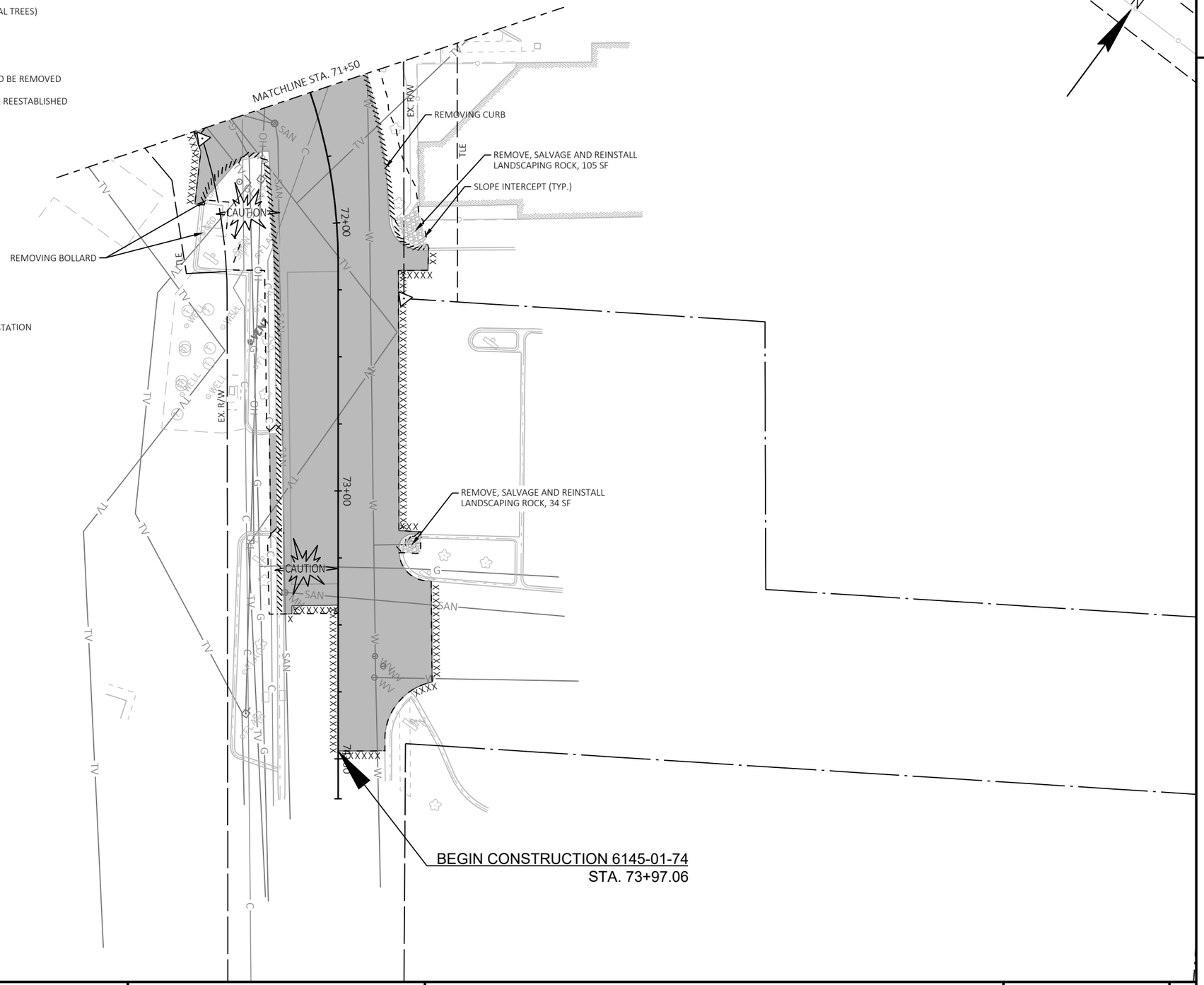
PLOT DATE : 1/29/2026 10:47 AM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- REMOVING CONCRETE PAVEMENT
- REMOVING CONCRETE SIDEWALK
- REMOVING ASPHALTIC PAVEMENT (PAID FOR AS EXCAVATION COMMON)
- REMOVING CURB & GUTTER OR REMOVING CURB
- YYYYYY SAWING CONCRETE
- XXXXXX SAWING ASPHALT
- X CLEARING & GRUBBING (INDIVIDUAL TREES)
- REMOVE STORM SEWER
- ABANDONING STORM SEWER
- XX EXISTING DRAINAGE STRUCTURE TO BE REMOVED
- RIGHT-OF-WAY MONUMENT TO BE REESTABLISHED



2

PROJECT NO: 6145-01-74	HWY: USH 12	COUNTY: SAUK	REMOVAL PLAN	SHEET 103	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-74\021101_RM.DWG
LAYOUT NAME - 021207_rm
PLOT DATE : 1/29/2026 10:47 AM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 42

2

FORT DELLS LASER OPS COMPOUND

GHOST OUTPOST

N

20-FT ACCESS EASEMENT

20'

EX. R/W

DELLSHIRE DRIVE

22-FT WIDE PRIVATE FRONTAGE ROAD EASEMENT

SLOPE INTERCEPT (TYP.)

CAUTION

90

38 LF 15" RCP

6LF 18" RCP

14LF 18" RCP

91

11LF 15" RCP

92

95

37 LF 12" RCP

6LF 18" RCP

96

4LF 15" RCP

97

SAWCUT FOR STAGE 1 REMOVALS

MATCHLINE STA. 718+50

MATCHLINE STA. 724+00

719+00

720+00

721+00

722+00

723+00

724

919+00

920+00

921+00

922+00

923+00

USH 12 (WISCONSIN DELLS PARKWAY)

20-FT WIDE UTILITY EASEMENT

EX. R/W

15-FT PRIVATE UTILITY EASEMENT

VARIABLE WIDTH PRIVATE UTILITY EASEMENT

GOODY GOODY GUMDROP

LEGEND

- REMOVING CONCRETE PAVEMENT
- REMOVING CONCRETE SIDEWALK
- REMOVING ASPHALTIC PAVEMENT (PAID FOR AS EXCAVATION COMMON)
- REMOVING CURB & GUTTER OR REMOVING CURB
- YYYYYY SAWING CONCRETE
- XXXXXX SAWING ASPHALT
- X CLEARING & GRUBBING (INDIVIDUAL TREES)
- REMOVE STORM SEWER
- ABANDONING STORM SEWER
- XX EXISTING DRAINAGE STRUCTURE TO BE REMOVED
- RIGHT-OF-WAY MONUMENT TO BE REESTABLISHED

PROJECT NO: 6145-01-74	HWY: USH 12	COUNTY: SAUK	REMOVAL PLAN	SHEET 104	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-74\021101_RM.DWG
LAYOUT NAME - 021208_rm

PLOT DATE : 1/29/2026 10:47 AM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LOST TEMPLE

N

EX. R/W

22-FT WIDE PRIVATE FRONTAGE ROAD EASEMENT

EX. R/W

SLOPE INTERCEPT (TYP.)

924+00 925+00 926+00 927+00 928+00 729

MATCHLINE STA. 724+00

MATCHLINE STA. 729+00

33 LF 12" RCP

6LF 18" RCP

6LF 18" RCP

102

34 LF 12" RCP

6LF 18" RCP

6LF 18" RCP

103

101

105

725+00 726+00 727+00 728+00

11LF 12" RCP

11LF 12" RCP

100

104

USH 12 (WISCONSIN DELLS PARKWAY)

CAUTION

EX. R/W

SLOPE INTERCEPT (TYP.)

EX. R/W

TLE

30-FT WIDE ELECTRIC EASEMENT

15-FT WIDE UTILITY EASEMENT

LEGEND

- REMOVING CONCRETE PAVEMENT
- REMOVING CONCRETE SIDEWALK
- REMOVING ASPHALTIC PAVEMENT (PAID FOR AS EXCAVATION COMMON)
- REMOVING CURB & GUTTER OR REMOVING CURB
- YYYYYY SAWING CONCRETE
- XXXXXX SAWING ASPHALT
- X CLEARING & GRUBBING (INDIVIDUAL TREES)
- REMOVE STORM SEWER
- ABANDONING STORM SEWER
- XX EXISTING DRAINAGE STRUCTURE TO BE REMOVED
- RIGHT-OF-WAY MONUMENT TO BE REESTABLISHED

PROJECT NO: 6145-01-74	HWY: USH 12	COUNTY: SAUK	REMOVAL PLAN	SHEET 105	E

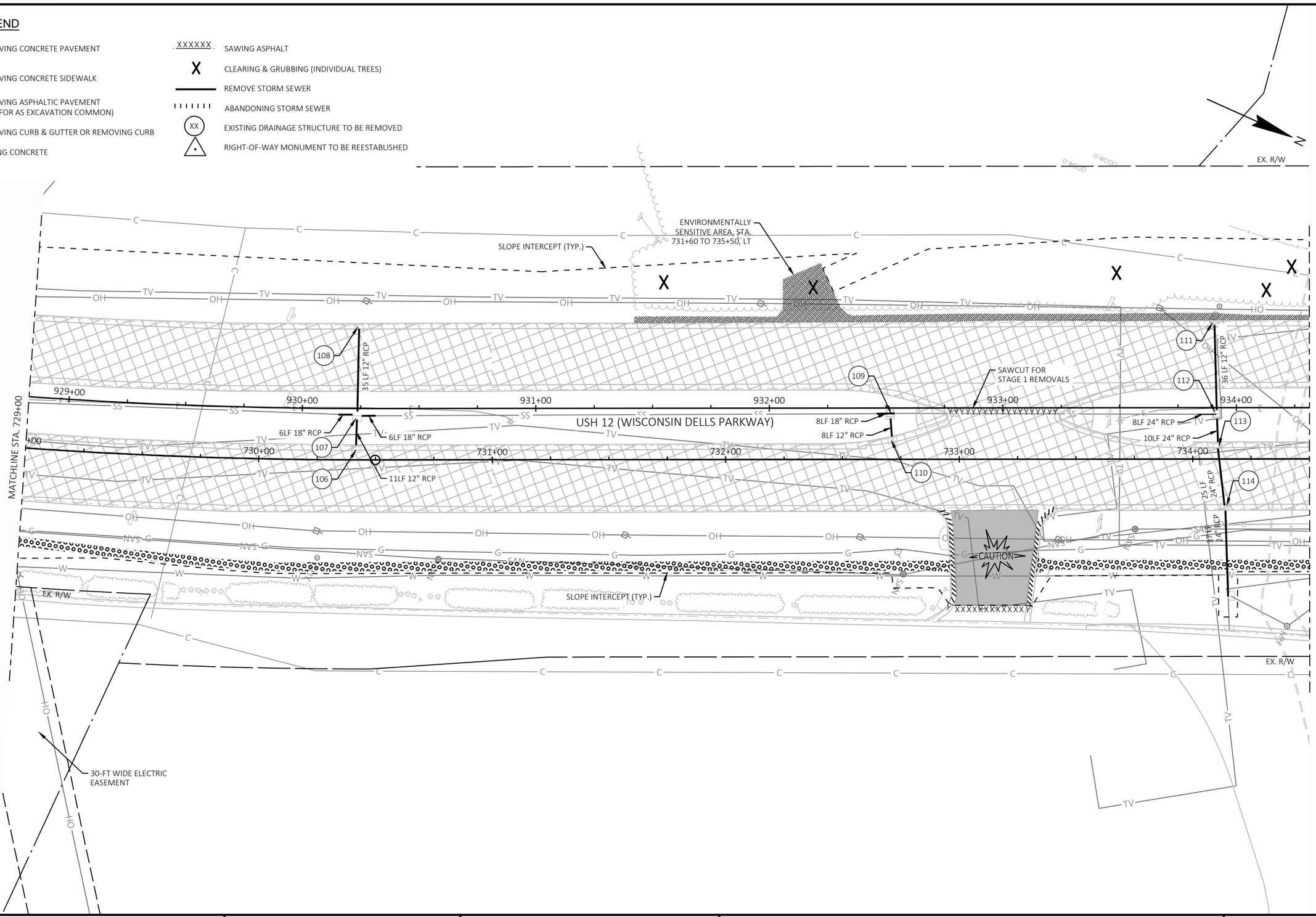
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LAYOUT NAME - 021209_rm

PLOT DATE : 1/29/2026 10:47 AM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

LEGEND

- REMOVING CONCRETE PAVEMENT
- REMOVING CONCRETE SIDEWALK
- REMOVING ASPHALTIC PAVEMENT (PAID FOR AS EXCAVATION COMMON)
- REMOVING CURB & GUTTER OR REMOVING CURB
- YYYYYY SAWING CONCRETE
- XXXXXX SAWING ASPHALT
- X CLEARING & GRUBBING (INDIVIDUAL TREES)
- REMOVE STORM SEWER
- ABANDONING STORM SEWER
- XX EXISTING DRAINAGE STRUCTURE TO BE REMOVED
- RIGHT-OF-WAY MONUMENT TO BE REESTABLISHED



PROJECT NO: 6145-01-74	HWY: USH 12	COUNTY: SAUK	REMOVAL PLAN	SHEET 106	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-74\021101_RM.DWG
LAYOUT NAME - 021210_rm
PLOT DATE : 1/29/2026 10:47 AM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

EX. R/W

CLEARING ONLY FOR TREE ADJACENT TO WINGWALL OF CULVERT

25-FT X 44-FT LIFT STATION EASEMENT

MCDONALD'S

WALGREENS

TWO 10-FT WIDE SANITARY SEWER EASEMENT

SLOPE INTERCEPT (TYP.)

VARIABLE WIDTH SANITARY SEWER EASEMENT

PLE

PR. R/W

CAUTION

MATCHLINE STA. 734+50

935+00

936+00

937+00

938+00

939+00

735+00

736+00

737+00

738+00

739+00

740

MATCHLINE STA. 740+00

USH 12 (WISCONSIN DELLS PARKWAY)

120

121

122

123

124

125

36 LF 15" RCP

2LF 12" RCP

51 LF 15" RCP

184 LF 15" RCP

SAWCUT FOR STAGE 1 REMOVALS

ABANDON SEWER, 74 LF 12"

8 LF 34x53" HERCP

DELLS BOAT TOURS

LEGEND

- REMOVING CONCRETE PAVEMENT
- REMOVING CONCRETE SIDEWALK
- REMOVING ASPHALTIC PAVEMENT (PAID FOR AS EXCAVATION COMMON)
- REMOVING CURB & GUTTER OR REMOVING CURB
- YYYYYY SAWING CONCRETE
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- X CLEARING & GRUBBING (INDIVIDUAL TREES)
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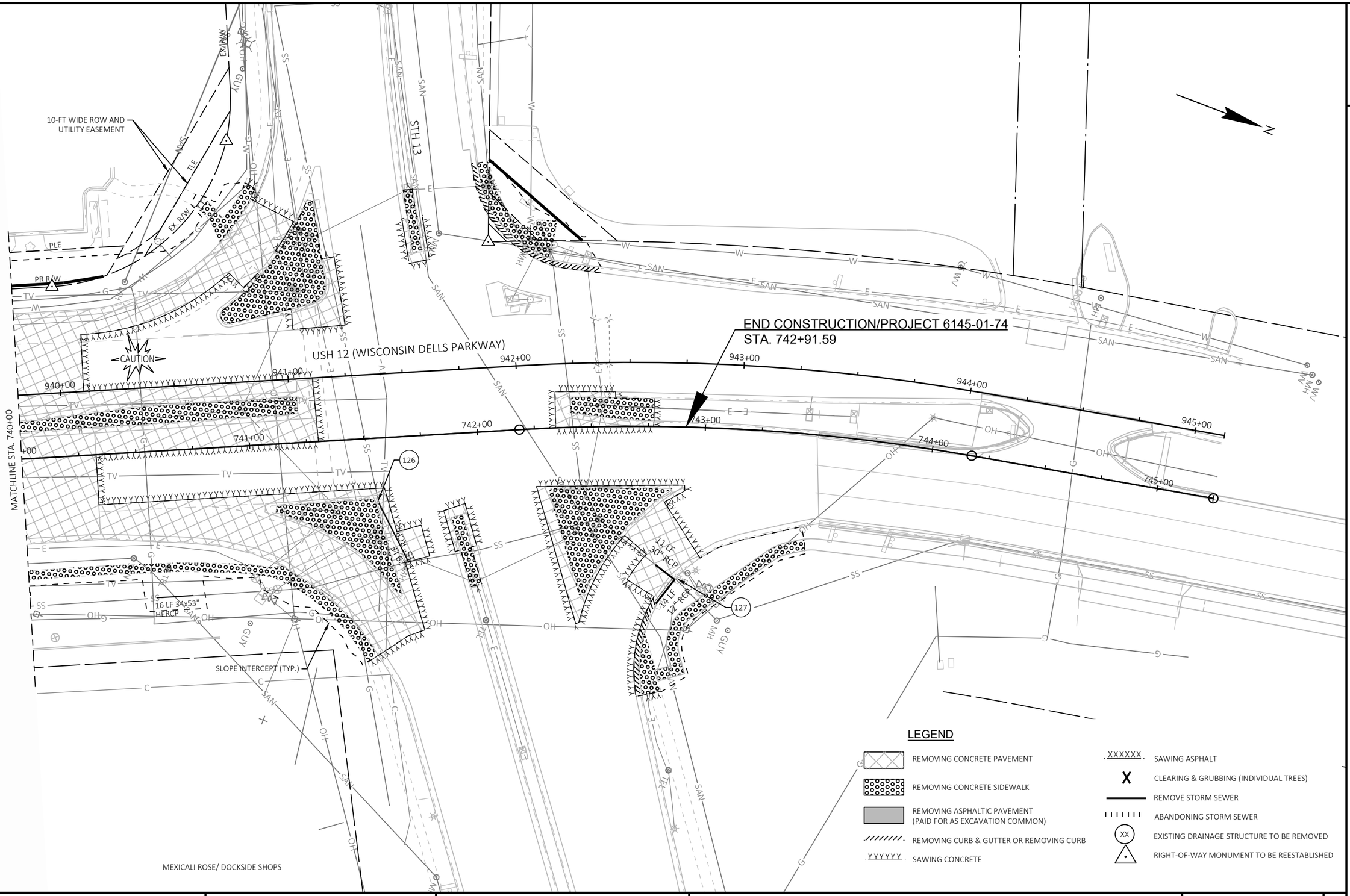
PROJECT NO: 6145-01-74	HWY: USH 12	COUNTY: SAUK	REMOVAL PLAN	SHEET 107	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-74\021101_RM.DWG
LAYOUT NAME - 021211_rm

PLOT DATE : 1/29/2026 10:47 AM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2



PROJECT NO: 6145-01-74	HWY: USH 12	COUNTY: SAUK	REMOVAL PLAN	SHEET 108	E

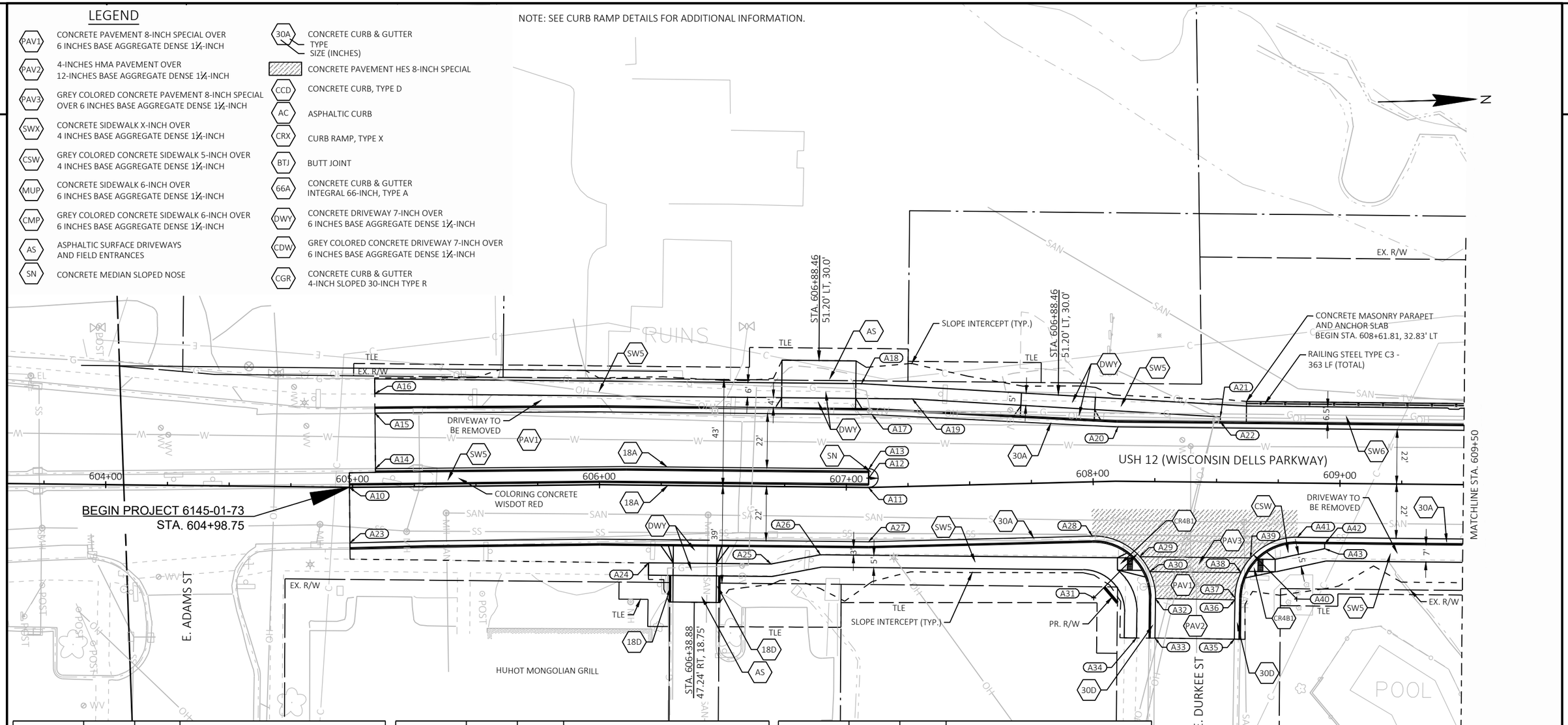
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LAYOUT NAME - 021212_rm
PLOT DATE : 1/29/2026 10:47 AM
PLOT BY : CHAPMAN, JULIE
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

LEGEND

- PAV1 — CONCRETE PAVEMENT 8-INCH SPECIAL OVER 6 INCHES BASE AGGREGATE DENSE 1¼-INCH
- PAV2 — 4-INCHES HMA PAVEMENT OVER 12-INCHES BASE AGGREGATE DENSE 1¼-INCH
- PAV3 — GREY COLORED CONCRETE PAVEMENT 8-INCH SPECIAL OVER 6 INCHES BASE AGGREGATE DENSE 1¼-INCH
- SWX — CONCRETE SIDEWALK X-INCH OVER 4 INCHES BASE AGGREGATE DENSE 1¼-INCH
- CSW — GREY COLORED CONCRETE SIDEWALK 5-INCH OVER 4 INCHES BASE AGGREGATE DENSE 1¼-INCH
- MUP — CONCRETE SIDEWALK 6-INCH OVER 6 INCHES BASE AGGREGATE DENSE 1¼-INCH
- CMP — GREY COLORED CONCRETE SIDEWALK 6-INCH OVER 6 INCHES BASE AGGREGATE DENSE 1¼-INCH
- AS — ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
- SN — CONCRETE MEDIAN SLOPED NOSE
- 30A — CONCRETE CURB & GUTTER TYPE SIZE (INCHES)
- CONCRETE PAVEMENT HES 8-INCH SPECIAL
- CCD — CONCRETE CURB, TYPE D
- AC — ASPHALTIC CURB
- CRX — CURB RAMP, TYPE X
- BTJ — BUTT JOINT
- 66A — CONCRETE CURB & GUTTER INTEGRAL 66-INCH, TYPE A
- DWY — CONCRETE DRIVEWAY 7-INCH OVER 6 INCHES BASE AGGREGATE DENSE 1¼-INCH
- CDW — GREY COLORED CONCRETE DRIVEWAY 7-INCH OVER 6 INCHES BASE AGGREGATE DENSE 1¼-INCH
- CGR — CONCRETE CURB & GUTTER 4-INCH SLOPED 30-INCH TYPE R

NOTE: SEE CURB RAMP DETAILS FOR ADDITIONAL INFORMATION.



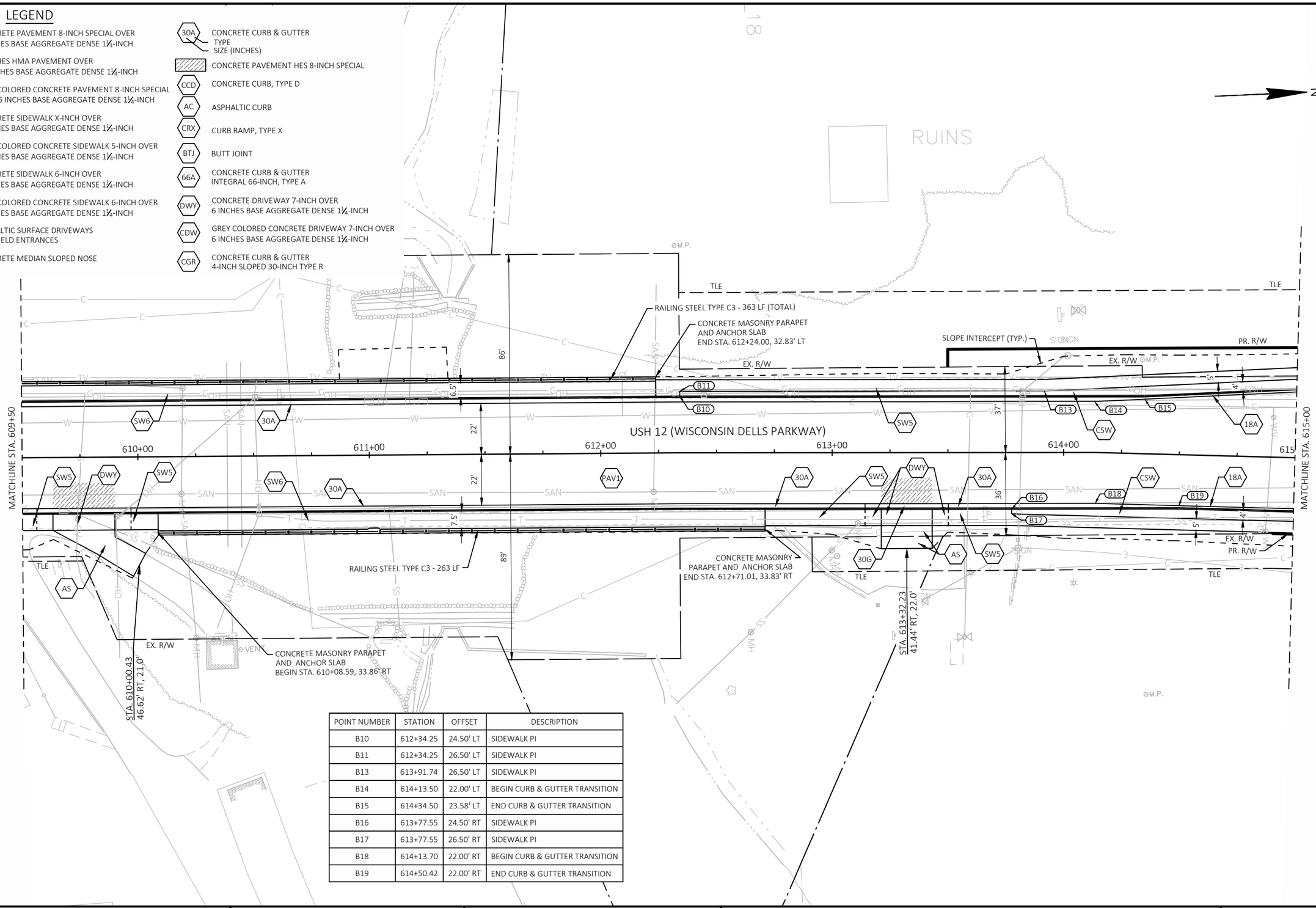
POINT NUMBER	STATION	OFFSET	DESCRIPTION
A10	604+98.76	0.00'	SAWCUT. MATCH EXISTING, BEGIN CURB & GUTTER
A11	607+08.94	0.00'	BEGIN 4' RADIUS
A12	607+09.17	3.75' LT	4' RADIUS
A13	607+09.30	7.50' LT	END 4' RADIUS
A14	605+09.32	7.50' LT	SAWCUT, MATCH EXISTING, END CURB & GUTTER
A15	605+09.32	30.00' LT	SAWCUT, MATCH EXISTING, BEGIN CURB & GUTTER
A16	605+09.32	37.88' LT	SAWCUT, MATCH EXISTING, BEGIN SIDEWALK
A17	607+11.14	29.44' LT	CURB & GUTTER PI
A18	607+05.73	42.00' LT	BEGIN TAPER
A19	607+27.67	35.37' LT	SIDEWALK PI
A20	608+09.89	21.98' LT	CURB & GUTTER PI
A21	608+51.29	26.50' LT	SIDEWALK PI

POINT NUMBER	STATION	OFFSET	DESCRIPTION
A22	608+51.29	24.49' LT	SIDEWALK PI
A23	604+98.76	22.50' RT	SAWCUT, MATCH EXISTING, BEGIN CURB & GUTTER
A24	606+20.17	31.44' RT	SAWCUT, MATCH EXISTING, BEGIN SIDEWALK
A25	606+69.85	31.44' RT	SIDEWALK PI
A26	606+89.86	27.50' RT	SIDEWALK PI
A27	607+09.04	22.00' RT	CURB & GUTTER PI
A28	607+99.09	22.00' RT	BEGIN 25' RADIUS
A29	608+19.18	30.50' RT	END PAV1, BEGIN PAV3
A30	608+23.25	36.50' RT	END PAV3, BEGIN PAV1
A31	607+99.09	47.00' RT	25' RADIUS
A32	608+25.74	47.40' RT	END 25' RADIUS, END PAV1, BEGIN PAV2
A33	608+25.69	63.35' RT	SAWCUT, MATCH EXISTING, END CURB & GUTTER

POINT NUMBER	STATION	OFFSET	DESCRIPTION
A34	608+18.19	63.41' RT	SAWCUT, MATCH EXISTING, END SIDEWALK
A35	607+57.82	63.53' RT	SAWCUT, MATCH EXISTING, BEGIN CURB & GUTTER
A36	607+57.91	47.57' RT	END PAV2, BEGIN PAV1
A37	607+57.91	46.86' RT	BEGIN 25' RADIUS
A38	608+60.22	36.50' RT	END PAV1, BEGIN PAV3
A39	608+64.13	30.50' RT	END PAV3, BEGIN PAV1
A40	608+82.91	47.00' RT	25' RADIUS
A41	608+82.91	22.00' RT	END 25' RADIUS
A42	608+94.07	24.50' RT	SIDEWALK PI
A43	608+94.07	26.50' RT	SIDEWALK PI

LEGEND

- PAV1 — CONCRETE PAVEMENT 8-INCH SPECIAL OVER 6 INCHES BASE AGGREGATE DENSE 1¼-INCH
- PAV2 — 4-INCHES HMA PAVEMENT OVER 12-INCHES BASE AGGREGATE DENSE 1¼-INCH
- PAV3 — GREY COLORED CONCRETE PAVEMENT 8-INCH SPECIAL OVER 6 INCHES BASE AGGREGATE DENSE 1¼-INCH
- SWX — CONCRETE SIDEWALK X-INCH OVER 4 INCHES BASE AGGREGATE DENSE 1¼-INCH
- CSW — GREY COLORED CONCRETE SIDEWALK 5-INCH OVER 4 INCHES BASE AGGREGATE DENSE 1¼-INCH
- MUP — CONCRETE SIDEWALK 6-INCH OVER 6 INCHES BASE AGGREGATE DENSE 1¼-INCH
- CMP — GREY COLORED CONCRETE SIDEWALK 6-INCH OVER 6 INCHES BASE AGGREGATE DENSE 1¼-INCH
- AS — ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
- SN — CONCRETE MEDIAN SLOPED NOSE
- 30A — CONCRETE CURB & GUTTER TYPE SIZE (INCHES)
- CONCRETE PAVEMENT HES 8-INCH SPECIAL
- CCD — CONCRETE CURB, TYPE D
- AC — ASPHALTIC CURB
- CRX — CURB RAMP, TYPE X
- BTJ — BUTT JOINT
- 66A — CONCRETE CURB & GUTTER INTEGRAL 66-INCH, TYPE A
- DWY — CONCRETE DRIVEWAY 7-INCH OVER 6 INCHES BASE AGGREGATE DENSE 1¼-INCH
- CDW — GREY COLORED CONCRETE DRIVEWAY 7-INCH OVER 6 INCHES BASE AGGREGATE DENSE 1¼-INCH
- CGR — CONCRETE CURB & GUTTER 4-INCH SLOPED 30-INCH TYPE R

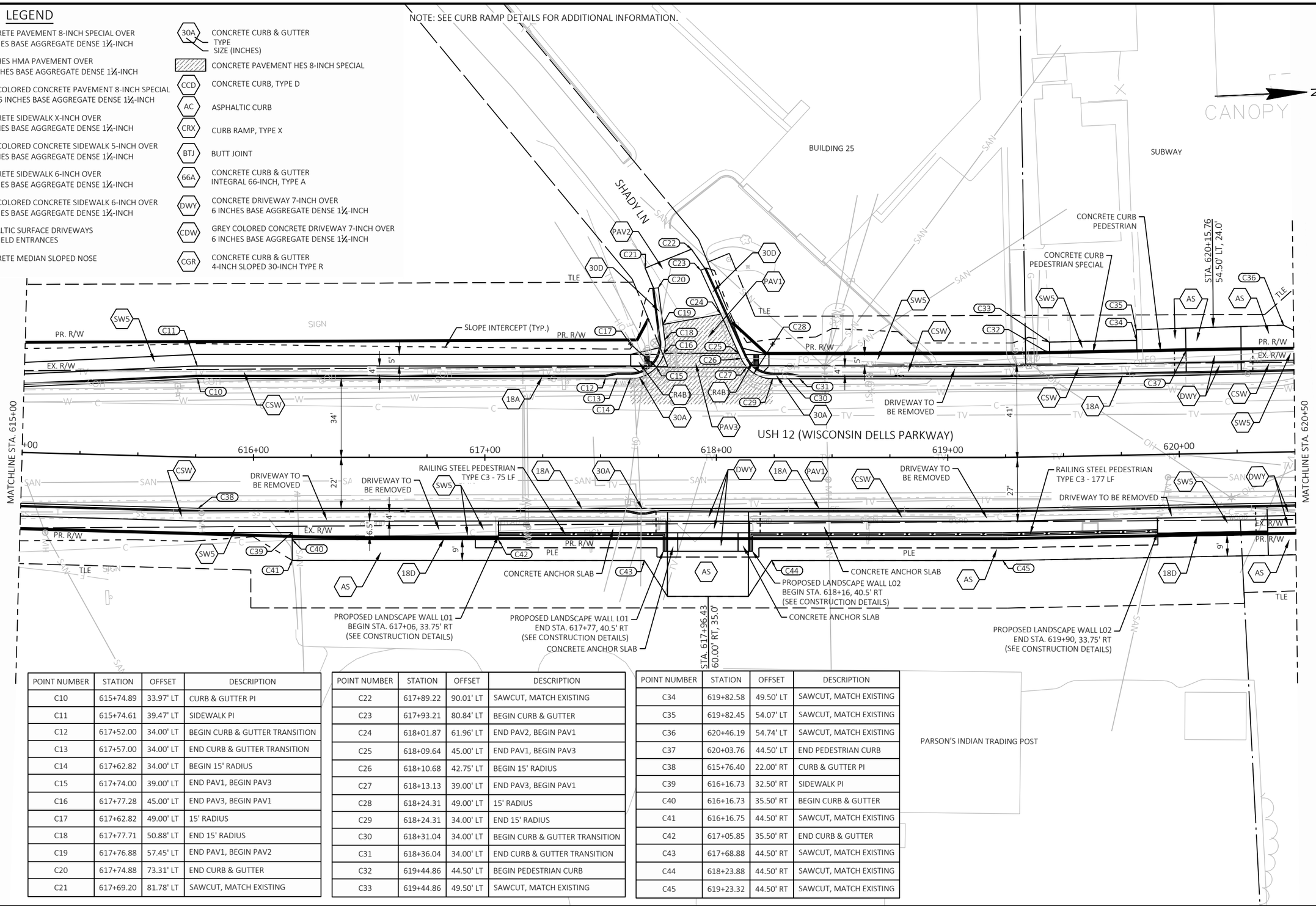


POINT NUMBER	STATION	OFFSET	DESCRIPTION
B10	612+34.25	24.50' LT	SIDEWALK PI
B11	612+34.25	26.50' LT	SIDEWALK PI
B13	613+91.74	26.50' LT	SIDEWALK PI
B14	614+13.50	22.00' LT	BEGIN CURB & GUTTER TRANSITION
B15	614+34.50	23.58' LT	END CURB & GUTTER TRANSITION
B16	613+77.55	24.50' RT	SIDEWALK PI
B17	613+77.55	26.50' RT	SIDEWALK PI
B18	614+13.70	22.00' RT	BEGIN CURB & GUTTER TRANSITION
B19	614+50.42	22.00' RT	END CURB & GUTTER TRANSITION

LEGEND

- PAV1 — CONCRETE PAVEMENT 8-INCH SPECIAL OVER 6 INCHES BASE AGGREGATE DENSE 1¼-INCH
- PAV2 — 4-INCHES HMA PAVEMENT OVER 12-INCHES BASE AGGREGATE DENSE 1¼-INCH
- PAV3 — GREY COLORED CONCRETE PAVEMENT 8-INCH SPECIAL OVER 6 INCHES BASE AGGREGATE DENSE 1¼-INCH
- SWX — CONCRETE SIDEWALK X-INCH OVER 4 INCHES BASE AGGREGATE DENSE 1¼-INCH
- CSW — GREY COLORED CONCRETE SIDEWALK 5-INCH OVER 4 INCHES BASE AGGREGATE DENSE 1¼-INCH
- MUP — CONCRETE SIDEWALK 6-INCH OVER 6 INCHES BASE AGGREGATE DENSE 1¼-INCH
- CMP — GREY COLORED CONCRETE SIDEWALK 6-INCH OVER 6 INCHES BASE AGGREGATE DENSE 1¼-INCH
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- AC — ASPHALTIC CURB
- CRX — CURB RAMP, TYPE X
- BTJ — BUTT JOINT
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- DWY — CONCRETE DRIVEWAY 7-INCH OVER 6 INCHES BASE AGGREGATE DENSE 1¼-INCH
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- CGR — CONCRETE CURB & GUTTER 4-INCH SLOPED 30-INCH TYPE R

NOTE: SEE CURB RAMP DETAILS FOR ADDITIONAL INFORMATION.



POINT NUMBER	STATION	OFFSET	DESCRIPTION
C10	615+74.89	33.97' LT	CURB & GUTTER PI
C11	615+74.61	39.47' LT	SIDEWALK PI
C12	617+52.00	34.00' LT	BEGIN CURB & GUTTER TRANSITION
C13	617+57.00	34.00' LT	END CURB & GUTTER TRANSITION
C14	617+62.82	34.00' LT	BEGIN 15' RADIUS
C15	617+74.00	39.00' LT	END PAV1, BEGIN PAV3
C16	617+77.28	45.00' LT	END PAV3, BEGIN PAV1
C17	617+62.82	49.00' LT	15' RADIUS
C18	617+77.71	50.88' LT	END 15' RADIUS
C19	617+76.88	57.45' LT	END PAV1, BEGIN PAV2
C20	617+74.88	73.31' LT	END CURB & GUTTER
C21	617+69.20	81.78' LT	SAWCUT, MATCH EXISTING

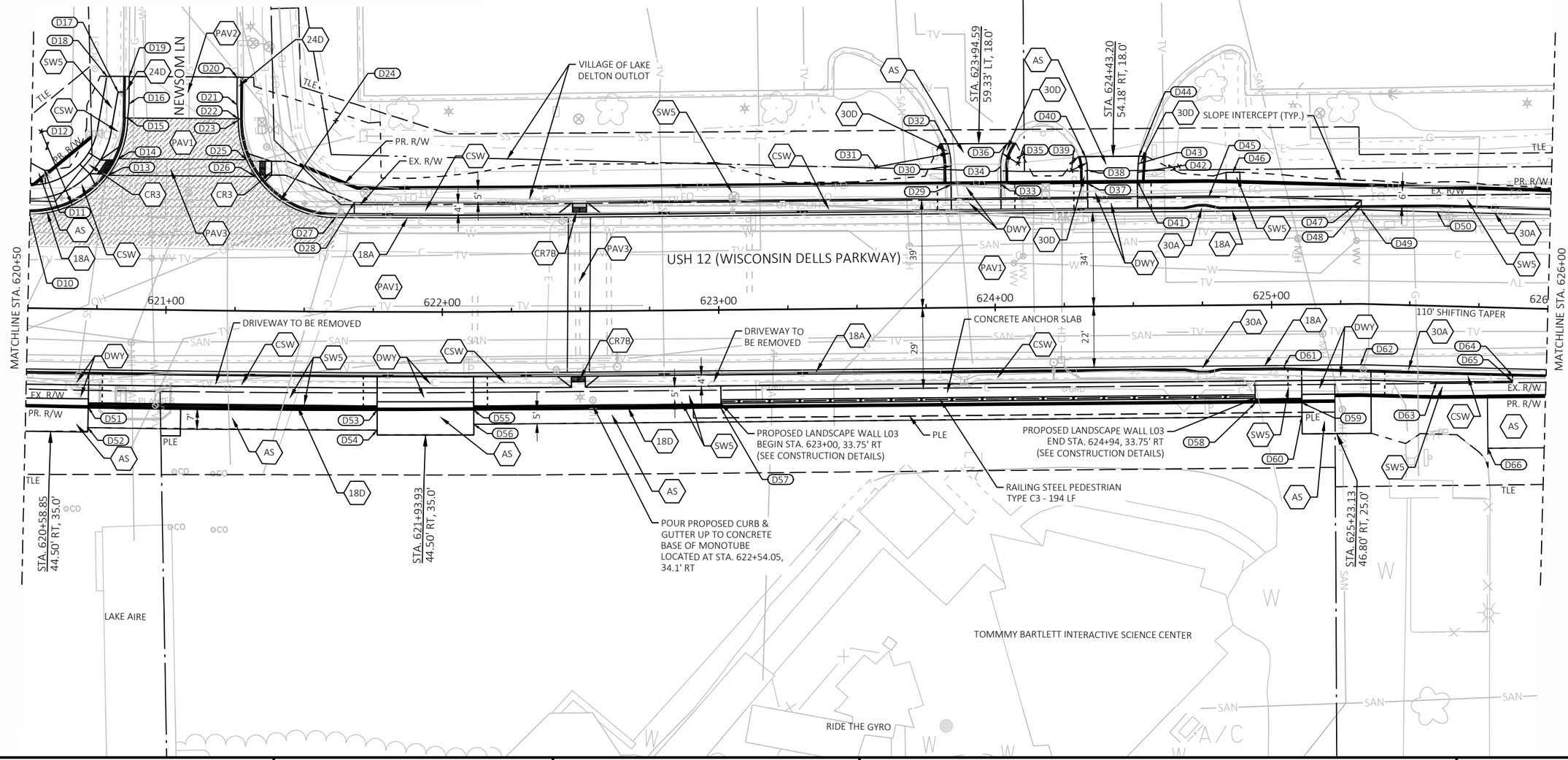
POINT NUMBER	STATION	OFFSET	DESCRIPTION
C22	617+89.22	90.01' LT	SAWCUT, MATCH EXISTING
C23	617+93.21	80.84' LT	BEGIN CURB & GUTTER
C24	618+01.87	61.96' LT	END PAV2, BEGIN PAV1
C25	618+09.64	45.00' LT	END PAV1, BEGIN PAV3
C26	618+10.68	42.75' LT	BEGIN 15' RADIUS
C27	618+13.13	39.00' LT	END PAV3, BEGIN PAV1
C28	618+24.31	49.00' LT	15' RADIUS
C29	618+24.31	34.00' LT	END 15' RADIUS
C30	618+31.04	34.00' LT	BEGIN CURB & GUTTER TRANSITION
C31	618+36.04	34.00' LT	END CURB & GUTTER TRANSITION
C32	619+44.86	44.50' LT	BEGIN PEDESTRIAN CURB
C33	619+44.86	49.50' LT	SAWCUT, MATCH EXISTING

POINT NUMBER	STATION	OFFSET	DESCRIPTION
C34	619+82.58	49.50' LT	SAWCUT, MATCH EXISTING
C35	619+82.45	54.07' LT	SAWCUT, MATCH EXISTING
C36	620+46.19	54.74' LT	SAWCUT, MATCH EXISTING
C37	620+03.76	44.50' LT	END PEDESTRIAN CURB
C38	615+76.40	22.00' RT	CURB & GUTTER PI
C39	616+16.73	32.50' RT	SIDEWALK PI
C40	616+16.73	35.50' RT	BEGIN CURB & GUTTER
C41	616+16.75	44.50' RT	SAWCUT, MATCH EXISTING
C42	617+05.85	35.50' RT	END CURB & GUTTER
C43	617+68.88	44.50' RT	SAWCUT, MATCH EXISTING
C44	618+23.88	44.50' RT	SAWCUT, MATCH EXISTING
C45	619+23.32	44.50' RT	SAWCUT, MATCH EXISTING

LEGEND

- PAV1 — CONCRETE PAVEMENT 8-INCH SPECIAL OVER 6 INCHES BASE AGGREGATE DENSE 1¼-INCH
- PAV2 — 4-INCHES HMA PAVEMENT OVER 12-INCHES BASE AGGREGATE DENSE 1¼-INCH
- PAV3 — GREY COLORED CONCRETE PAVEMENT 8-INCH SPECIAL OVER 6 INCHES BASE AGGREGATE DENSE 1¼-INCH
- SWX — CONCRETE SIDEWALK X-INCH OVER 4 INCHES BASE AGGREGATE DENSE 1¼-INCH
- CSW — GREY COLORED CONCRETE SIDEWALK 5-INCH OVER 4 INCHES BASE AGGREGATE DENSE 1¼-INCH
- MUP — CONCRETE SIDEWALK 6-INCH OVER 6 INCHES BASE AGGREGATE DENSE 1¼-INCH
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- CGR — CONCRETE CURB & GUTTER 4-INCH SLOPED 30-INCH TYPE R

NOTE: SEE CURB RAMP DETAILS FOR ADDITIONAL INFORMATION.



PROJECT NO: 6145-01-73	HWY: USH 12	COUNTY: SAUK	PLAN DETAILS	SHEET 112	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-73\021201_PD.DWG
LAYOUT NAME - 021204_pd

PLOT DATE : 6/19/2025 12:30 PM PLOT BY : BARRETT, WILL PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

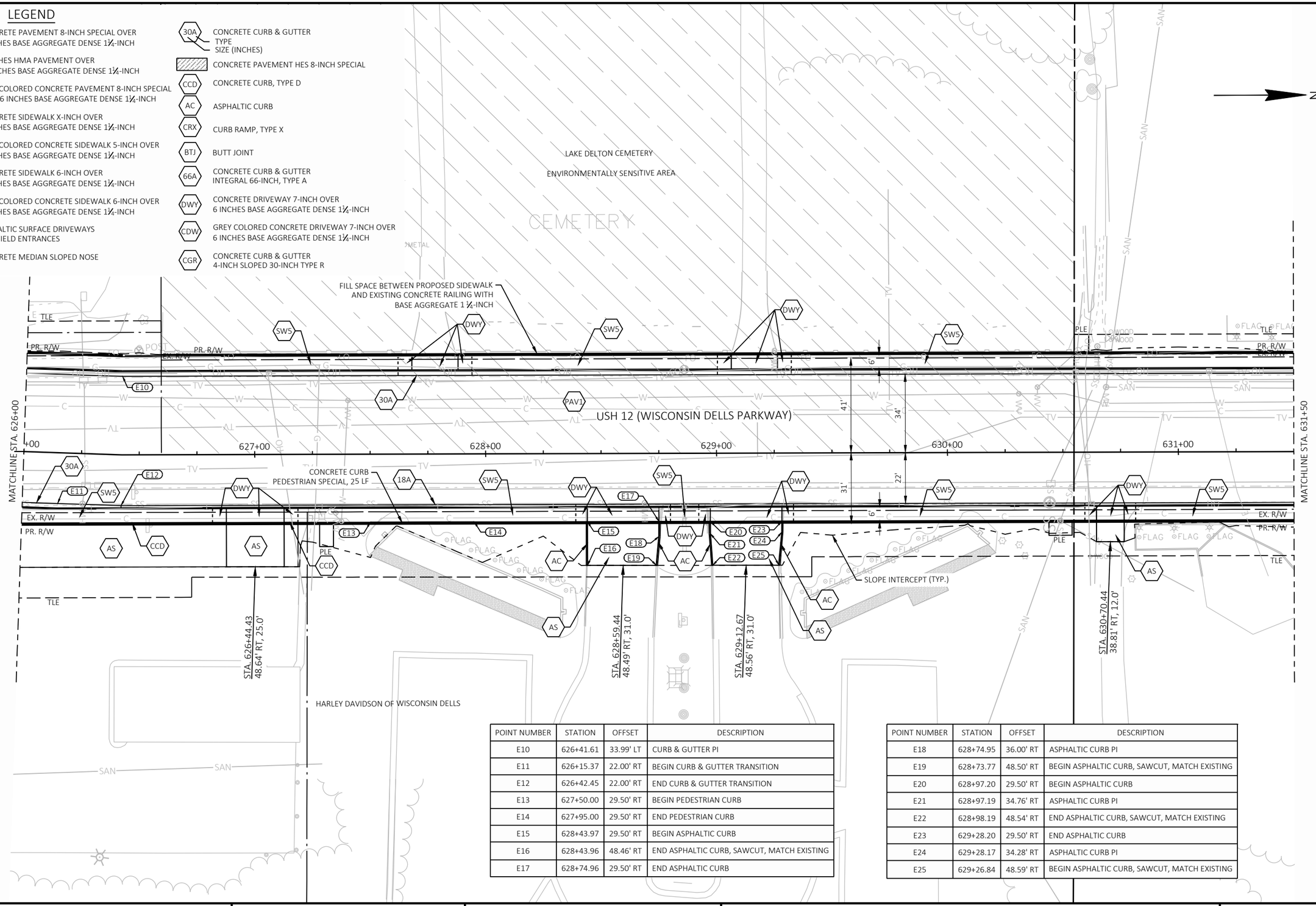
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POINT NUMBER	STATION	OFFSET	DESCRIPTION
D10	620+50.17	34.00' LT	BEGIN 35' RADIUS
D11	620+55.56	49.79' LT	SAWCUT, MATCH EXISTING
D12	620+50.20	69.00' LT	35' RADIUS
D13	620+78.49	48.39' LT	END PAV1, BEGIN PAV3
D14	620+82.01	54.41' LT	END PAV3, BEGIN PAV1
D15	620+85.20	69.22' LT	END 35' RADIUS, END PAV1, BEGIN PAV2, BEGIN CURB & GUTTER TRANSITION
D16	620+85.67	74.22' LT	END CURB & GUTTER TRANSITION
D17	620+81.64	78.55' LT	SIDEWALK PI
D18	620+77.49	84.17' LT	SIDEWALK PI
D19	620+85.61	84.22' LT	SAWCUT, MATCH EXISTING, END CURB & GUTTER
D20	621+24.65	84.46' LT	SAWCUT, MATCH EXISTING, BEGIN CURB & GUTTER
D21	621+24.71	74.46' LT	BEGIN CURB & GUTTER TRANSITION
D22	621+25.24	69.46' LT	END CURB & GUTTER TRANSITION, END PAV2, BEGIN PAV1
D23	621+25.25	68.91' LT	BEGIN 35' RADIUS
D24	621+61.05	69.00' LT	35' RADIUS
D25	621+28.40	54.65' LT	END PAV1, BEGIN PAV3
D26	621+31.89	48.66' LT	END PAV3, BEGIN PAV1
D27	621+61.05	34.00' LT	END 35' RADIUS
D28	621+67.95	39.50' LT	SIDEWALK PI
D29	623+84.47	44.50' LT	BEGIN CURB & GUTTER
D30	623+84.45	51.17' LT	BEGIN 27' RADIUS
D31	623+57.45	51.11' LT	27' RADIUS
D32	623+83.19	59.26' LT	END 27' RADIUS, END CURB & GUTTER, SAWCUT, MATCH EXISTING
D33	624+02.47	44.50' LT	END CURB & GUTTER
D34	624+02.46	50.77' LT	END 15' RADIUS
D35	624+15.37	50.20' LT	15' RADIUS
D36	624+05.04	59.23' LT	BEGIN CURB & GUTTER, BEGIN 15' RADIUS, SAWCUT, MATCH EXISTING
D37	624+33.82	44.50' LT	BEGIN CURB & GUTTER
D38	624+33.81	49.35' LT	BEGIN 17.5' RADIUS
D39	624+16.31	49.31' LT	17.5' RADIUS
D40	624+33.12	54.19' LT	END 17.5' RADIUS, END CURB & GUTTER, SAWCUT, MATCH EXISTING
D41	624+51.82	45.26' LT	END 50.25' RADIUS, END CURB & GUTTER
D42	625+02.07	45.38' LT	50.25' RADIUS
D43	624+52.18	51.41' LT	BEGIN 50.25' RADIUS
D44	624+52.52	54.16' LT	SAWCUT, MATCH EXISTING, BEGIN CURB & GUTTER

POINT NUMBER	STATION	OFFSET	DESCRIPTION
D45	624+77.75	39.50' LT	SIDEWALK PI
D46	624+86.48	48.00' LT	SAWCUT, MATCH EXISTING
D47	625+32.38	37.50' LT	SIDEWALK PI
D48	625+32.38	35.50' LT	SIDEWALK PI
D49	625+32.38	34.00' LT	BEGIN CURB & GUTTER TRANSITION
D50	625+59.02	33.99' LT	END CURB & GUTTER TRANSITION
D51	620+72.29	35.50' RT	BEGIN CURB & GUTTER
D52	620+72.27	42.94' RT	SAWCUT, MATCH EXISTING
D53	621+76.48	35.50' RT	END CURB & GUTTER
D54	621+76.51	42.74' RT	SAWCUT, MATCH EXISTING
D55	622+11.23	35.50' RT	BEGIN CURB & GUTTER
D56	622+11.24	40.60' RT	SAWCUT, MATCH EXISTING
D57	623+00.46	35.50' RT	END CURB & GUTTER
D58	624+93.73	35.50' RT	BEGIN CURB & GUTTER
D59	625+10.65	35.50' RT	END CURB & GUTTER
D60	625+10.59	40.50' RT	SAWCUT, MATCH EXISTING
D61	625+04.43	22.04' RT	BEGIN CURB & GUTTER TRANSITION
D62	625+32.78	22.00' RT	END CURB & GUTTER TRANSITION
D63	625+60.39	27.50' RT	SIDEWALK PI
D64	625+87.89	24.50' RT	SIDEWALK PI
D65	625+87.89	26.50' RT	SIDEWALK PI
D66	625+79.64	50.94' RT	SAWCUT, MATCH EXISTING

LEGEND

- PAV1 — CONCRETE PAVEMENT 8-INCH SPECIAL OVER 6 INCHES BASE AGGREGATE DENSE 1¼-INCH
- PAV2 — 4-INCHES HMA PAVEMENT OVER 12-INCHES BASE AGGREGATE DENSE 1¼-INCH
- PAV3 — GREY COLORED CONCRETE PAVEMENT 8-INCH SPECIAL OVER 6 INCHES BASE AGGREGATE DENSE 1¼-INCH
- SWX — CONCRETE SIDEWALK X-INCH OVER 4 INCHES BASE AGGREGATE DENSE 1¼-INCH
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- BTJ — BUTT JOINT
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- DWY — CONCRETE DRIVEWAY 7-INCH OVER 6 INCHES BASE AGGREGATE DENSE 1¼-INCH
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- CGR — CONCRETE CURB & GUTTER 4-INCH SLOPED 30-INCH TYPE R



POINT NUMBER	STATION	OFFSET	DESCRIPTION
E10	626+41.61	33.99' LT	CURB & GUTTER PI
E11	626+15.37	22.00' RT	BEGIN CURB & GUTTER TRANSITION
E12	626+42.45	22.00' RT	END CURB & GUTTER TRANSITION
E13	627+50.00	29.50' RT	BEGIN PEDESTRIAN CURB
E14	627+95.00	29.50' RT	END PEDESTRIAN CURB
E15	628+43.97	29.50' RT	BEGIN ASPHALTIC CURB
E16	628+43.96	48.46' RT	END ASPHALTIC CURB, SAWCUT, MATCH EXISTING
E17	628+74.96	29.50' RT	END ASPHALTIC CURB

POINT NUMBER	STATION	OFFSET	DESCRIPTION
E18	628+74.95	36.00' RT	ASPHALTIC CURB PI
E19	628+73.77	48.50' RT	BEGIN ASPHALTIC CURB, SAWCUT, MATCH EXISTING
E20	628+97.20	29.50' RT	BEGIN ASPHALTIC CURB
E21	628+97.19	34.76' RT	ASPHALTIC CURB PI
E22	628+98.19	48.54' RT	END ASPHALTIC CURB, SAWCUT, MATCH EXISTING
E23	629+28.20	29.50' RT	END ASPHALTIC CURB
E24	629+28.17	34.28' RT	ASPHALTIC CURB PI
E25	629+26.84	48.59' RT	BEGIN ASPHALTIC CURB, SAWCUT, MATCH EXISTING

LEGEND

- PAV1 — CONCRETE PAVEMENT 8-INCH SPECIAL OVER 6 INCHES BASE AGGREGATE DENSE 1¼-INCH
- PAV2 — 4-INCHES HMA PAVEMENT OVER 12-INCHES BASE AGGREGATE DENSE 1¼-INCH
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- CGR — CONCRETE CURB & GUTTER 4-INCH SLOPED 30-INCH TYPE R

NOTE: SEE CURB RAMP DETAILS FOR ADDITIONAL INFORMATION.

N

BEGIN CONSTRUCTION 6145-01-73
STA. 15+10.09

PACIFIC SPORTSWEAR

W. HIAWATHA DR

WB ONLY

USH 12 (WISCONSIN DELLS PARKWAY)

MATCHLINE STA. 631+50

MATCHLINE STA. 637+00

632+00 633+00 634+00 635+00 636+00 637

STA. 633+54.01
60.67' LT, 36.0'

DRIVEWAY TO BE REMOVED

TLE

PR. R/W

EX. R/W

SLOPE INTERCEPT (TYP.)

RAILING STEEL PEDESTRIAN TYPE C3 - 77 LF

100' SHIFTING TAPER

CONCRETE RETAINING STAIR, 7CY WITH PIPE RAILING 18 LF. SEE CONSTRUCTION DETAILS.

CONCRETE ANCHOR SLAB

CONCRETE STEPS

PROPOSED LANDSCAPE WALL L04
END STA. 634+67, 33.75' RT
(SEE CONSTRUCTION DETAILS)

PROPOSED LANDSCAPE WALL L04
BEGIN STA. 633+90, 33.75' RT
(SEE CONSTRUCTION DETAILS)

PROPOSED R-56-38
BEGIN STA. 635+57, 49.1'RT

RAILING STEEL PEDESTRIAN TYPE C3 - 330 LF

CONCRETE CURB & GUTTER
6-INCH SLOPED 36-INCH TYPE A

STA. 633+46.28
50.16' RT, 24.0'

STA. 634+73.63
163.20' RT, 25.5'

BUILDING 24

LAKE CITY SOCIAL

E. HIAWATHA DR

BEGIN CONSTRUCTION 6145-01-73
STA. 19+99.25

PROJECT NO: 6145-01-73	HWY: USH 12	COUNTY: SAUK	PLAN DETAILS	SHEET 115	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-73\021201_PD.DWG
LAYOUT NAME - 021206_pd
PLOT DATE : 7/18/2025 9:31 AM
PLOT BY : CHAPMAN, JULIE
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

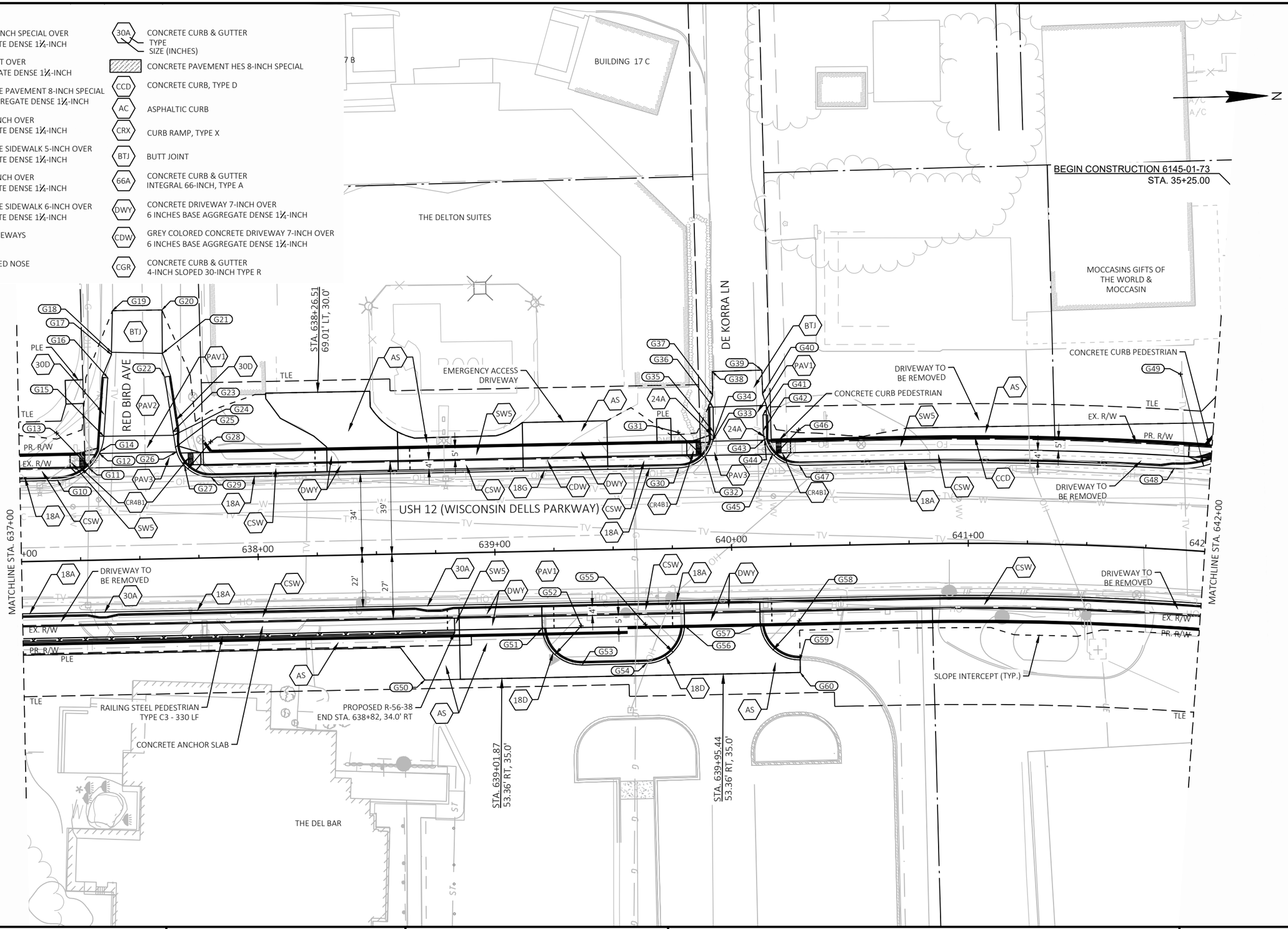
2

POINT NUMBER	STATION	OFFSET	DESCRIPTION
F10	633+01.14	34.00' LT	BEGIN CURB & GUTTER TRANSITION
F11	633+51.16	34.00' LT	BEGIN CURB & GUTTER TRANSITION
F12	633+35.52	41.81' LT	BEGIN CURB & GUTTER
F13	633+35.93	61.08' LT	END CURB & GUTTER, SAWCUT, MATCH EXISTING
F14	633+71.92	60.31' LT	BEGIN CURB & GUTTER, SAWCUT, MATCH EXISTING
F15	633+71.52	41.50' LT	BEGIN CURB & GUTTER
F16	634+50.45	35.50' LT	SIDEWALK PI
F17	634+50.45	37.50' LT	SIDEWALK PI
F18	634+66.62	34.00' LT	END PAV1, BEGIN PAV3
F19	634+74.62	34.00' LT	END PAV3, BEGIN PAV1
F20	634+76.63	34.00' LT	BEGIN 21' RADIUS
F21	634+92.68	37.84' LT	END PAV1, BEGIN PAV3
F22	634+82.65	49.00' LT	15' RADIUS
F23	634+96.77	43.93' LT	END PAV3, BEGIN PAV1
F24	15+77.17	9.16' RT	END 21' RADIUS, END PAV1, BEGIN PAV2
F25	15+70.92	8.30' RT	CURB & GUTTER PI
F26	15+60.93	8.35' RT	END PAV2 BEGIN BTJ
F27	15+50.86	8.35' RT	SAWCUT, MATCH EXISTING
F28	15+10.02	18.90' RT	SAWCUT, MATCH EXISTING, END SIDEWALK
F29	15+10.00	8.52' RT	SAWCUT, MATCH EXISTING, END CURB & GUTTER
F30	15+50.86	5.96' LT	SAWCUT, MATCH EXISTING
F31	15+60.87	4.16' LT	SAWCUT, MATCH EXISTING, BEGIN CURB & GUTTER
F32	15+76.90	4.48' LT	END PAV2, BEGIN PAV1
F33	635+11.41	48.73' LT	END PAV1, BEGIN PAV3
F34	635+12.19	44.24' LT	END PAV1, BEGIN PAV3
F35	635+15.89	38.31' LT	END PAV1, BEGIN PAV3
F36	635+26.41	49.00' LT	15' RADIUS
F37	635+26.41	34.00' LT	END 15' RADIUS
F38	635+32.92	34.00' LT	BEGIN CURB & GUTTER TRANSITION
F39	635+37.93	34.00' LT	END CURB & GUTTER TRANSITION
F40	635+50.50	39.50' LT	SIDEWALK PI
F41	635+90.80	22.00' RT	END 59' RADIUS
F42	635+67.03	27.00' RT	END PAV3, BEGIN PAV1
F43	635+56.49	33.00' RT	END PAV1, BEGIN PAV3
F44	635+90.80	81.00' RT	59' RADIUS

POINT NUMBER	STATION	OFFSET	DESCRIPTION
F45	635+35.69	74.40' RT	SIDEWALK PI
F46	635+33.70	74.17' RT	SIDEWALK PI
F47	635+31.99	76.18' RT	END CURB & GUTTER TRANSITION, BEGIN 59' RADIUS
F48	19+02.23	5.71' LT	BEGIN CURB & GUTTER TRANISTION
F49	19+05.17	5.69' LT	SAWCUT, MATCH EXISTING, BEGIN CURB & GUTTER
F50	19+15.17	5.58' LT	SAWCUT, MATCH EXISTING
F51	19+60.91	11.25' RT	SAWCUT, MATCH EXISTING
F52	19+15.18	7.88' RT	SAWCUT, MATCH EXISTING
F53	19+05.18	7.89' RT	SAWCUT, MATCH EXISTING, END CURB & GUTTER, END 105' RADIUS
F54	19+03.63	96.73' LT	105' RADIUS
F55	18+56.12	3.50' LT	END 4' RADIUS, BEGIN 105' RADIUS
F56	18+54.31	0.07' RT	4' RADIUS
F57	18+52.05	3.37' RT	END 100' RADIUS, BEGIN 4' RADIUS
F58	19+08.69	79.29' LT	100' RADIUS
F59	19+05.12	20.85' RT	SAWCUT, MATCH EXISTING, BEGIN CURB & GUTTER, BEGIN 100' RADIUS
F60	19+15.12	21.10' RT	SAWCUT, MATCH EXISTING
F61	19+60.61	18.35' RT	SAWCUT, MATCH EXISTING
F62	19+99.27	35.06' RT	SAWCUT, MATCH EXISTING, END SIDEWALK
F63	19+15.07	32.41' RT	SAWCUT, MATCH EXISTING
F64	19+05.07	32.36' RT	SAWCUT, MATCH EXISTING, END CURB & GUTTER
F65	18+75.65	32.15' RT	END CURB & GUTTER TRANSITION
F66	18+63.03	32.65' RT	END 26' RADIUS, BEGIN CURB & GUTTER TRANSITION
F67	634+88.22	33.00' RT	END PAV3, BEGIN PAV1
F68	634+66.98	48.00' RT	26' RADIUS
F69	634+82.31	27.00' RT	END PAV3, BEGIN PAV1
F70	634+74.86	23.22' RT	END PAV3, BEGIN PAV1
F71	634+66.86	22.00' RT	END PAV1, BEGIN PAV3, BEGIN 26' RADIUS
F72	633+70.64	41.11' RT	SAWCUT, MATCH EXISTING
F73	633+70.56	45.02' RT	SAWCUT, MATCH EXISTING
F74	633+00.68	27.50' RT	SIDEWALK PI
F75	632+67.86	25.50' RT	SIDEWALK PI
F76	632+67.86	23.50' RT	SIDEWALK PI

LEGEND

- PAV1 — CONCRETE PAVEMENT 8-INCH SPECIAL OVER 6 INCHES BASE AGGREGATE DENSE 1¼-INCH
- PAV2 — 4-INCHES HMA PAVEMENT OVER 12-INCHES BASE AGGREGATE DENSE 1¼-INCH
- PAV3 — GREY COLORED CONCRETE PAVEMENT 8-INCH SPECIAL OVER 6 INCHES BASE AGGREGATE DENSE 1¼-INCH
- SWX — CONCRETE SIDEWALK X-INCH OVER 4 INCHES BASE AGGREGATE DENSE 1¼-INCH
- CSW — GREY COLORED CONCRETE SIDEWALK 5-INCH OVER 4 INCHES BASE AGGREGATE DENSE 1¼-INCH
- MUP — CONCRETE SIDEWALK 6-INCH OVER 6 INCHES BASE AGGREGATE DENSE 1¼-INCH
- CMP — GREY COLORED CONCRETE SIDEWALK 6-INCH OVER 6 INCHES BASE AGGREGATE DENSE 1¼-INCH
- AS — ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
- SN — CONCRETE MEDIAN SLOPED NOSE
- 30A — CONCRETE CURB & GUTTER TYPE SIZE (INCHES)
- CONCRETE PAVEMENT HES 8-INCH SPECIAL
- CCD — CONCRETE CURB, TYPE D
- AC — ASPHALTIC CURB
- CRX — CURB RAMP, TYPE X
- BTJ — BUTT JOINT
- 66A — CONCRETE CURB & GUTTER INTEGRAL 66-INCH, TYPE A
- DWY — CONCRETE DRIVEWAY 7-INCH OVER 6 INCHES BASE AGGREGATE DENSE 1¼-INCH
- CDW — GREY COLORED CONCRETE DRIVEWAY 7-INCH OVER 6 INCHES BASE AGGREGATE DENSE 1¼-INCH
- CGR — CONCRETE CURB & GUTTER 4-INCH SLOPED 30-INCH TYPE R



PROJECT NO: 6145-01-73	HWY: USH 12	COUNTY: SAUK	PLAN DETAILS	SHEET 117	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-73\021201_PD.DWG
LAYOUT NAME - 021207_pd

PLOT DATE : 6/19/2025 12:31 PM PLOT BY : BARRETT, WILL PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

POINT NUMBER	STATION	OFFSET	DESCRIPTION
G10	637+15.93	34.00' LT	BEGIN 20' RADIUS
G11	637+29.16	39.00' LT	END PAV1, BEGIN PAV3
G12	637+33.79	45.00' LT	END PAV3, BEGIN PAV1
G13	637+15.93	54.00' LT	20' RADIUS
G14	637+34.24	45.95' LT	BEGIN CURB & GUTTER TRANSITION
G15	637+35.86	52.24' LT	END 20' RADIUS, END CURB & GUTTER TRANSITION
G16	637+38.04	76.90' LT	SAWCUT, MATCH EXISTING, END CURB & GUTTER
G17	637+39.73	86.67' LT	MATCH EXISTING
G18	637+39.78	87.66' LT	SAWCUT, MATCH EXISTING
G19	637+40.55	105.19' LT	SAWCUT, MATCH EXISTING
G20	637+61.44	105.04' LT	SAWCUT, MATCH EXISTING
G21	637+61.31	86.72' LT	SAWCUT, MATCH EXISTING
G22	637+62.08	76.73' LT	SAWCUT, MATCH EXISTING, BEGIN CURB & GUTTER
G23	637+65.15	53.67' LT	END CURB & GUTTER TRANSITION
G24	637+65.36	52.06' LT	END PAV2, BEGIN PAV1
G25	637+66.03	47.02' LT	BEGIN 15' RADIUS
G26	637+66.44	45.00' LT	END PAV1, BEGIN PAV3
G27	637+69.72	39.00' LT	END PAV3, BEGIN PAV1
G28	637+80.90	49.00' LT	15' RADIUS
G29	637+80.90	34.00' LT	END 15' RADIUS
G30	639+78.34	34.00' LT	BEGIN 15' RADIUS
G31	639+78.34	49.00' LT	15' RADIUS
G32	639+89.52	39.00' LT	END PAV1, BEGIN PAV3
G33	639+92.80	45.00' LT	END PAV3, BEGIN PAV1
G34	639+92.97	45.67' LT	BEGIN CURB & GUTTER TRANSITION
G35	639+93.34	48.95' LT	END 15' RADIUS, END CURB & GUTTER TRANSITION
G36	639+93.38	59.41' LT	SAWCUT, MATCH EXISTING. END CURB & GUTTER
G37	639+93.34	64.41' LT	MATCH EXISTING
G38	639+93.26	74.41' LT	SAWCUT, MATCH EXISTING
G39	640+14.26	74.58' LT	SAWCUT, MATCH EXISTING

POINT NUMBER	STATION	OFFSET	DESCRIPTION
G40	640+14.40	64.58' LT	MATCH EXISTING
G41	640+14.37	55.72' LT	SAWCUT, MATCH EXISTING, BEGIN CURB & GUTTER
G42	640+14.34	49.05' LT	BEGIN CURB & GUTTER TRANSITION, BEGIN 15' RADIUS
G43	640+14.79	45.39' LT	END CURB & GUTTER TRANSITION
G44	640+14.89	45.00' LT	END PAV1, BEGIN PAV3
G45	640+18.16	39.00' LT	END PAV3, BEGIN PAV1
G46	640+29.34	49.00' LT	15' RADIUS
G47	640+29.34	34.00' LT	END 15' RADIUS
G48	641+84.93	34.00' LT	BEGIN 40' RADIUS
G49	641+85.33	74.00' LT	40' RADIUS
G50	638+69.32	53.36' RT	SAWCUT, MATCH EXISTING
G51	639+19.37	32.50' RT	BEGIN CURB & GUTTER, BEGIN 17' RADIUS
G52	639+35.86	31.86' RT	17' RADIUS
G53	639+35.91	48.36' RT	END CURB & GUTTER, END 17' RADIUS
G54	639+62.99	48.28' RT	BEGIN CURB & GUTTER, BEGIN 16' RADIUS
G55	639+62.94	31.78' RT	16' RADIUS
G56	639+79.43	32.50' RT	END CURB & GUTTER, END 16' RADIUS
G57	640+11.47	32.50' RT	BEGIN CURB & GUTTER, BEGIN 16' RADIUS
G58	640+27.94	31.59' RT	16' RADIUS
G59	640+27.99	48.09' RT	END 16' RADIUS
G60	640+27.98	53.36' RT	SAWCUT, MATCH EXISTING

2

BEGIN CONSTRUCTION 6145-01-73
STA. 40+30.50

ASPHALTIC CURB
(TRANSITION CURB HEAD)

MATCHLINE STA. 41+25

MATCHLINE STA. 642+00

MATCHLINE STA. 647+50

HOUSE OF EMBERS

BUILDING 15

BUILDING 16 A

W. LAKE AVE

E. LAKE AVE

WINNEBAGO LN

USH 12 (WISCONSIN DELLS PARKWAY)

CONCRETE CURB
PEDESTRIAN

SLOPE INTERCEPT (TYP.)

DRIVEWAY TO
BE REMOVED

EMERGENCY ACCESS
DRIVEWAY

STA. 646+04.82
51.77' RT, 30.0'

BEGIN CONSTRUCTION 6145-01-73
STA. 44+73.17

NOTE: SEE CURB RAMP DETAILS FOR ADDITIONAL INFORMATION.

* CURB HEAD IS DEPRESSED FOR DRIVEWAY OPENING.

LEGEND

PAV1	CONCRETE PAVEMENT 8-INCH SPECIAL OVER 6 INCHES BASE AGGREGATE DENSE 1¼-INCH
PAV2	4-INCHES HMA PAVEMENT OVER 12-INCHES BASE AGGREGATE DENSE 1¼-INCH
PAV3	GREY COLORED CONCRETE PAVEMENT 8-INCH SPECIAL OVER 6 INCHES BASE AGGREGATE DENSE 1¼-INCH
SWX	CONCRETE SIDEWALK X-INCH OVER 4 INCHES BASE AGGREGATE DENSE 1¼-INCH
CSW	GREY COLORED CONCRETE SIDEWALK 5-INCH OVER 4 INCHES BASE AGGREGATE DENSE 1¼-INCH
MUP	CONCRETE SIDEWALK 6-INCH OVER 6 INCHES BASE AGGREGATE DENSE 1¼-INCH
CMP	GREY COLORED CONCRETE SIDEWALK 6-INCH OVER 6 INCHES BASE AGGREGATE DENSE 1¼-INCH
AS	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
SN	CONCRETE MEDIAN SLOPED NOSE
30A	CONCRETE CURB & GUTTER TYPE SIZE (INCHES)
	CONCRETE PAVEMENT HES 8-INCH SPECIAL
CCD	CONCRETE CURB, TYPE D
AC	ASPHALTIC CURB
CRX	CURB RAMP, TYPE X
BTJ	BUTT JOINT
66A	CONCRETE CURB & GUTTER INTEGRAL 66-INCH, TYPE A
DWY	CONCRETE DRIVEWAY 7-INCH OVER 6 INCHES BASE AGGREGATE DENSE 1¼-INCH
CDW	GREY COLORED CONCRETE DRIVEWAY 7-INCH OVER 6 INCHES BASE AGGREGATE DENSE 1¼-INCH
CGR	CONCRETE CURB & GUTTER 4-INCH SLOPED 30-INCH TYPE R

PROJECT NO: 6145-01-73	HWY: USH 12	COUNTY: SAUK	PLAN DETAILS	SHEET 119	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-73\021201_PD.DWG
LAYOUT NAME - 021208_pd
PLOT DATE : 7/14/2025 8:51 AM
PLOT BY : CHAPMAN, JULIE
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

POINT NUMBER	STATION	OFFSET	DESCRIPTION
H10	642+03.56	39.00' LT	END PAV1, BEGIN PAV3
H11	642+11.38	45.00' LT	END PAV3, BEGIN PAV1
H12	642+13.84	47.23' LT	END 40' RADIUS
H13	642+19.14	55.06' LT	BEGIN 40' RADIUS
H14	642+21.45	60.92' LT	END PAV1, BEGIN PAV2
H15	35+74.41	11.58' RT	END 40' RADIUS
H16	35+25.00	11.58' RT	SAWCUT, MATCH EXISTING, END CURB & GUTTER
H17	35+25.36	18.50' RT	SAWCUT, MATCH EXISTING, END SIDEWALK
H18	35+25.00	11.58' LT	SAWCUT, MATCH EXISTING, BEGIN CURB & GUTTER
H19	35+25.00	18.50' LT	SAWCUT, MATCH EXISTING, BEGIN SIDEWALK
H20	35+91.13	11.58' LT	END PAV2, BEGIN PAV1
H21	642+48.37	58.88' LT	BEGIN 35' RADIUS
H22	642+57.89	42.63' LT	END PAV1, BEGIN PAV3
H23	642+63.07	39.00' LT	END PAV3, BEGIN PAV1
H24	642+80.04	69.00' LT	35' RADIUS
H25	642+80.44	34.00' LT	END 35' RADIUS
H26	643+14.74	34.00' LT	BEGIN 40' RADIUS
H27	643+11.84	47.50' LT	SAWCUT, MATCH EXISTING, BEGIN SIDEWALK
H28	643+35.72	59.17' LT	SAWCUT, MATCH EXISTING, END SIDEWALK
H29	643+23.39	35.02' LT	END PAV1, BEGIN PAV3
H30	643+29.04	36.86' LT	END PAV1, BEGIN PAV3
H31	643+14.74	74.00' LT	40' RADIUS
H32	643+47.07	52.55' LT	END PAV1, BEGIN PAV3
H33	643+50.10	58.82' LT	END PAV3, BEGIN PAV1
H34	42+23.27	14.82' RT	END 40' RADIUS
H35	42+16.61	14.87' RT	END PAV1, BEGIN PAV2
H36	41+34.57	22.02' RT	BEGIN SIDEWALK
H37	41+72.41	16.78' LT	Detail Sheets
H38	42+16.41	20.88' LT	END PAV2, BEGIN PAV1
H39	42+49.98	24.00' LT	BEGIN 45' RADIUS
H40	643+93.45	63.20' LT	END PAV1, BEGIN PAV3
H41	643+95.88	57.45' LT	END PAV3, BEGIN PAV1
H42	644+33.59	79.00' LT	45' RADIUS
H43	644+33.59	34.00' LT	END 45' RADIUS

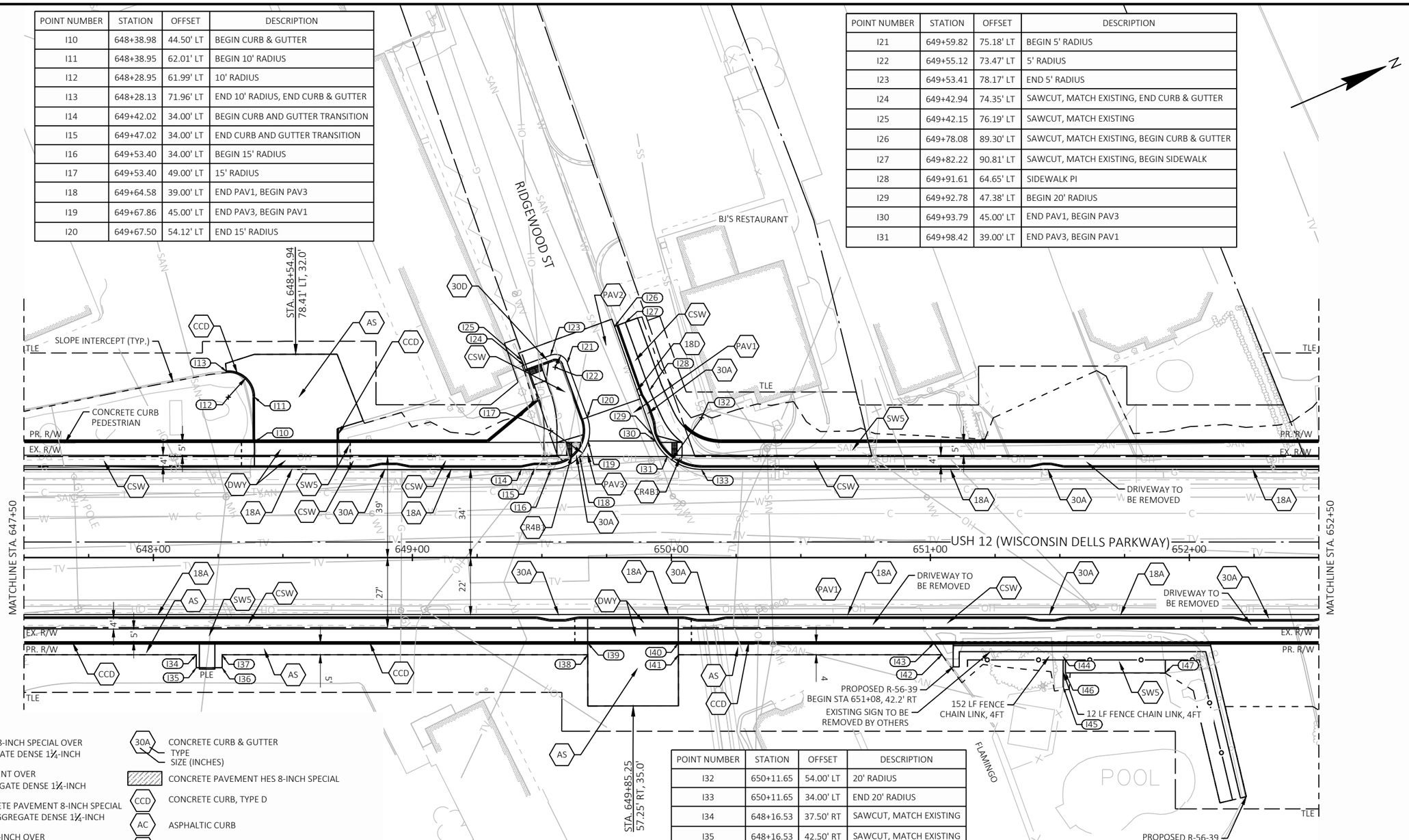
POINT NUMBER	STATION	OFFSET	DESCRIPTION
H44	644+40.06	34.00' LT	END PAV1, BEGIN PAV3
H45	644+45.96	34.00' LT	END PAV3, BEGIN PAV1
H46	646+93.97	69.16' LT	SAWCUT, MATCH EXISTING, BEGIN CURB & GUTTER
H47	647+05.32	54.20' LT	CURB & GUTTER PI
H48	647+24.91	53.79' LT	SAWCUT, MATCH EXISTING, END CURB & GUTTER
H49	647+39.48	55.49' LT	SAWCUT, MATCH EXISTING
H50	647+06.33	56.18' LT	SAWCUT, MATCH EXISTING
H51	646+93.16	73.54' LT	SAWCUT, MATCH EXISTING
H52	642+43.44	36.03' LT	2' RADIUS
H53	642+43.69	39.00' LT	END PAV1, BEGIN PAV3
H54	642+39.99	45.00' LT	END PAV3, BEGIN PAV1
H55	642+34.49	50.52' LT	3' RADIUS
H56	642+28.57	45.00' LT	END PAV3, BEGIN PAV1
H57	642+24.41	38.86' LT	END PAV1, BEGIN PAV3
H58	642+26.65	36.97' LT	3' RADIUS
H59	643+30.45	22.00' RT	BEGIN 45' RADIUS
H60	643+31.98	22.02' RT	END PAV1, BEGIN PAV3
H61	643+38.25	22.64' RT	END PAV3, BEGIN PAV1
H62	643+30.45	67.00' RT	45' RADIUS
H63	643+72.99	48.08' RT	END PAV1, BEGIN PAV3
H64	643+75.40	53.89' RT	END PAV3, BEGIN PAV1
H65	643+76.62	58.26' RT	END 45' RADIUS
H66	643+78.87	68.23' RT	BEGIN CURB & GUTTER TRANSITION
H67	643+79.99	73.12' RT	END CURB & GUTTER TRANSITION
H68	43+95.18	18.57' RT	END PAV1, BEGIN PAV2
H69	44+73.18	18.55' RT	SAWCUT, MATCH EXISTING, END CURB & GUTTER
H70	44+73.17	19.80' LT	SAWCUT, MATCH EXISTING, BEGIN CURB & GUTTER
H71	44+73.15	30.80' LT	SAWCUT, MATCH EXISTING, BEGIN SIDEWALK
H72	44+73.15	35.80' LT	SAWCUT, MATCH EXISTING
H73	44+13.64	30.73' LT	SIDEWALK PI
H74	44+15.24	35.73' LT	SAWCUT, MATCH EXISTING
H75	43+96.99	42.58' LT	SAWCUT, MATCH EXISTING, END SIDEWALK
H76	43+99.89	46.66' LT	SAWCUT, MATCH EXISTING
H77	44+09.66	30.49' LT	SIDEWALK PI

POINT NUMBER	STATION	OFFSET	DESCRIPTION
H78	44+08.50	28.87' LT	SIDEWALK PI
H79	44+05.74	24.22' LT	SIDEWALK PI
H80	44+05.74	22.22' LT	SIDEWALK PI
H81	43+95.17	19.70' LT	END PAV2, BEGIN PAV1, BEGIN CURB & GUTTER TRANSITION
H82	644+22.95	73.73' RT	END CURB & GUTTER TRANSITION, BEGIN 45' RADIUS
H83	644+69.75	67.00' RT	45' RADIUS
H84	644+27.12	48.26' RT	END PAV1, BEGIN PAV3
H85	644+31.06	41.70' RT	END PAV3, BEGIN PAV1
H86	644+47.30	27.58' RT	END PAV1, BEGIN PAV3
H87	644+53.13	24.97' RT	END PAV3, BEGIN PAV1
H88	644+69.75	22.00' RT	END 45' RADIUS
H89	646+18.72	32.50' RT	BEGIN CONCRETE CURB
H90	646+18.78	51.80' RT	END CONCRETE CURB
H91	647+00.44	33.00' RT	BEGIN CURB
H92	646+98.40	37.50' RT	SAWCUT, MATCH EXISTING
H93	643+21.86	256.03' LT	SAWCUT, MATCH EXISTING, END CURB & GUTTER
H94	643+16.43	254.94' LT	SAWCUT, MATCH EXISTING, END SIDEWALK
H95	643+18.71	270.66' LT	SAWCUT, MATCH EXISTING
H96	643+47.01	276.73' LT	SAWCUT, MATCH EXISTING
H97	643+48.50	261.84' LT	SAWCUT, MATCH EXISTING, BEGIN CURB & GUTTER

2

POINT NUMBER	STATION	OFFSET	DESCRIPTION
I10	648+38.98	44.50' LT	BEGIN CURB & GUTTER
I11	648+38.95	62.01' LT	BEGIN 10' RADIUS
I12	648+28.95	61.99' LT	10' RADIUS
I13	648+28.13	71.96' LT	END 10' RADIUS, END CURB & GUTTER
I14	649+42.02	34.00' LT	BEGIN CURB AND GUTTER TRANSITION
I15	649+47.02	34.00' LT	END CURB AND GUTTER TRANSITION
I16	649+53.40	34.00' LT	BEGIN 15' RADIUS
I17	649+53.40	49.00' LT	15' RADIUS
I18	649+64.58	39.00' LT	END PAV1, BEGIN PAV3
I19	649+67.86	45.00' LT	END PAV3, BEGIN PAV1
I20	649+67.50	54.12' LT	END 15' RADIUS

POINT NUMBER	STATION	OFFSET	DESCRIPTION
I21	649+59.82	75.18' LT	BEGIN 5' RADIUS
I22	649+55.12	73.47' LT	5' RADIUS
I23	649+53.41	78.17' LT	END 5' RADIUS
I24	649+42.94	74.35' LT	SAWCUT, MATCH EXISTING, END CURB & GUTTER
I25	649+42.15	76.19' LT	SAWCUT, MATCH EXISTING
I26	649+78.08	89.30' LT	SAWCUT, MATCH EXISTING, BEGIN CURB & GUTTER
I27	649+82.22	90.81' LT	SAWCUT, MATCH EXISTING, BEGIN SIDEWALK
I28	649+91.61	64.65' LT	SIDEWALK PI
I29	649+92.78	47.38' LT	BEGIN 20' RADIUS
I30	649+93.79	45.00' LT	END PAV1, BEGIN PAV3
I31	649+98.42	39.00' LT	END PAV3, BEGIN PAV1



LEGEND

- PAV1 — CONCRETE PAVEMENT 8-INCH SPECIAL OVER 6 INCHES BASE AGGREGATE DENSE 1¼-INCH
- PAV2 — 4-INCHES HMA PAVEMENT OVER 12-INCHES BASE AGGREGATE DENSE 1¼-INCH
- PAV3 — GREY COLORED CONCRETE PAVEMENT 8-INCH SPECIAL OVER 6 INCHES BASE AGGREGATE DENSE 1¼-INCH
- SWX — CONCRETE SIDEWALK X-INCH OVER 4 INCHES BASE AGGREGATE DENSE 1¼-INCH
- CSW — GREY COLORED CONCRETE SIDEWALK 5-INCH OVER 4 INCHES BASE AGGREGATE DENSE 1¼-INCH
- MUP — CONCRETE SIDEWALK 6-INCH OVER 6 INCHES BASE AGGREGATE DENSE 1¼-INCH
- CMP — GREY COLORED CONCRETE SIDEWALK 6-INCH OVER 6 INCHES BASE AGGREGATE DENSE 1¼-INCH
- AS — ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
- SN — CONCRETE MEDIAN SLOPED NOSE
- 30A — CONCRETE CURB & GUTTER TYPE SIZE (INCHES)
- CONCRETE PAVEMENT HES 8-INCH SPECIAL
- CCD — CONCRETE CURB, TYPE D
- AC — ASPHALTIC CURB
- CRX — CURB RAMP, TYPE X
- BTJ — BUTT JOINT
- 66A — CONCRETE CURB & GUTTER INTEGRAL 66-INCH, TYPE A
- DWY — CONCRETE DRIVEWAY 7-INCH OVER 6 INCHES BASE AGGREGATE DENSE 1¼-INCH
- CDW — GREY COLORED CONCRETE DRIVEWAY 7-INCH OVER 6 INCHES BASE AGGREGATE DENSE 1¼-INCH
- CGR — CONCRETE CURB & GUTTER 4-INCH SLOPED 30-INCH TYPE R

POINT NUMBER	STATION	OFFSET	DESCRIPTION
I32	650+11.65	54.00' LT	20' RADIUS
I33	650+11.65	34.00' LT	END 20' RADIUS
I34	648+16.53	37.50' RT	SAWCUT, MATCH EXISTING
I35	648+16.53	42.50' RT	SAWCUT, MATCH EXISTING
I36	648+26.53	42.50' RT	SAWCUT, MATCH EXISTING
I37	648+26.53	37.50' RT	SAWCUT, MATCH EXISTING
I38	649+67.72	37.50' RT	SAWCUT, MATCH EXISTING
I39	649+67.71	33.00' RT	END CURB
I40	650+02.71	33.00' RT	BEGIN CURB
I41	650+02.75	37.50' RT	SAWCUT, MATCH EXISTING
I42	651+04.45	37.50' RT	SAWCUT, MATCH EXISTING

POINT NUMBER	STATION	OFFSET	DESCRIPTION
I43	651+01.34	33.00' RT	END CURB
I44	651+51.29	38.33' RT	BEGIN FENCE
I45	651+51.29	49.96' RT	END FENCE
I46	651+52.11	44.50' RT	SAWCUT, MATCH EXISTING
I47	651+90.73	44.50' RT	SAWCUT, MATCH EXISTING

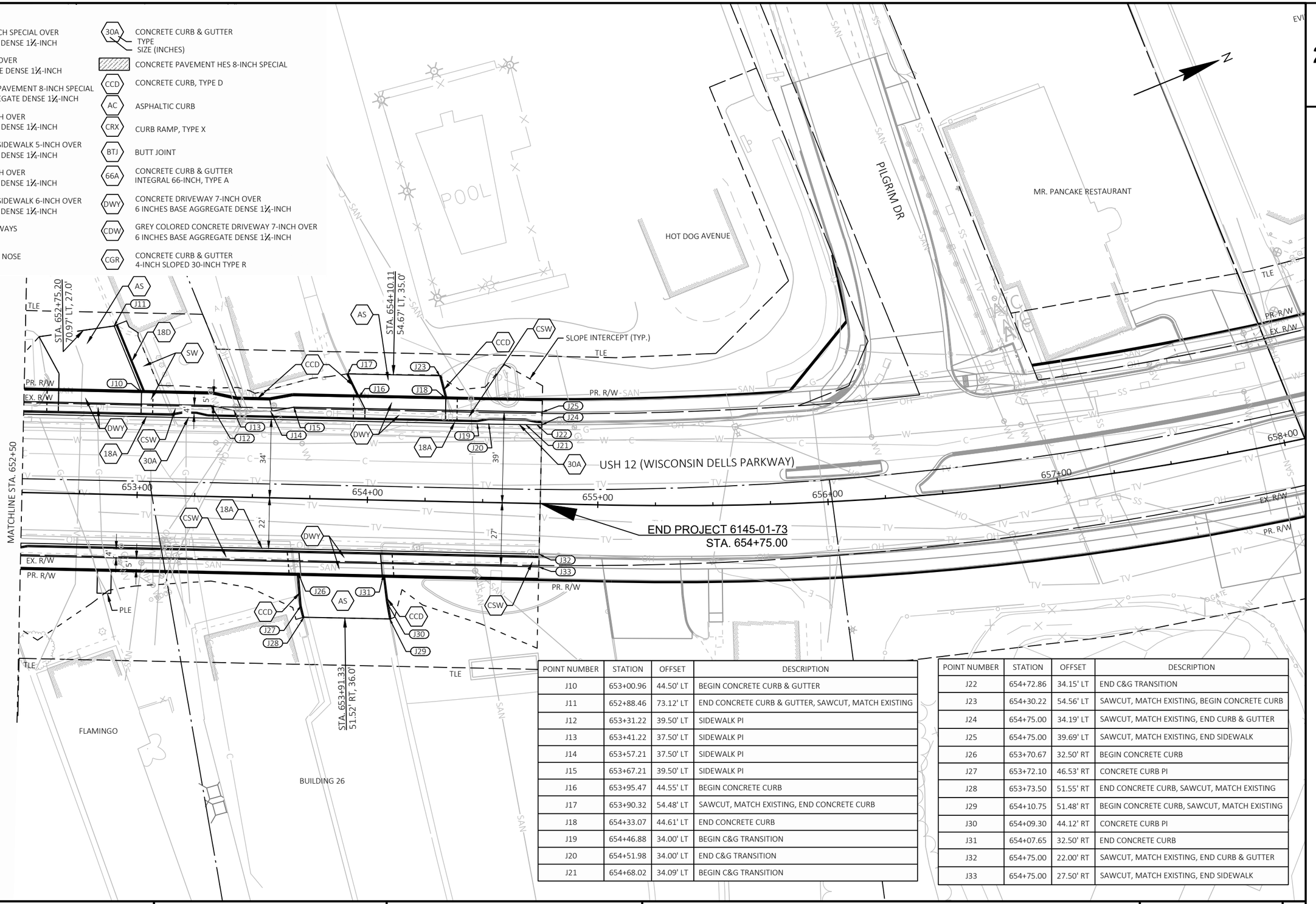
NOTE: SEE CURB RAMP DETAILS FOR ADDITIONAL INFORMATION.

PROJECT NO: 6145-01-73	HWY: USH 12	COUNTY: SAUK	PLAN DETAILS	SHEET 121 E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-73\021201_PD.DWG
LAYOUT NAME - 021209_pd
PLOT DATE : 6/19/2025 12:32 PM
PLOT BY : BARRETT, WILL
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

LEGEND

- PAV1 — CONCRETE PAVEMENT 8-INCH SPECIAL OVER 6 INCHES BASE AGGREGATE DENSE 1¼-INCH
- PAV2 — 4-INCHES HMA PAVEMENT OVER 12-INCHES BASE AGGREGATE DENSE 1¼-INCH
- PAV3 — GREY COLORED CONCRETE PAVEMENT 8-INCH SPECIAL OVER 6 INCHES BASE AGGREGATE DENSE 1¼-INCH
- SWX — CONCRETE SIDEWALK X-INCH OVER 4 INCHES BASE AGGREGATE DENSE 1¼-INCH
- CSW — GREY COLORED CONCRETE SIDEWALK 5-INCH OVER 4 INCHES BASE AGGREGATE DENSE 1¼-INCH
- MUP — CONCRETE SIDEWALK 6-INCH OVER 6 INCHES BASE AGGREGATE DENSE 1¼-INCH
- CMP — GREY COLORED CONCRETE SIDEWALK 6-INCH OVER 6 INCHES BASE AGGREGATE DENSE 1¼-INCH
- AS — ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
- SN — CONCRETE MEDIAN SLOPED NOSE
- 30A — CONCRETE CURB & GUTTER TYPE SIZE (INCHES)
- CONCRETE PAVEMENT HES 8-INCH SPECIAL
- CCD — CONCRETE CURB, TYPE D
- AC — ASPHALTIC CURB
- CRX — CURB RAMP, TYPE X
- BTJ — BUTT JOINT
- 66A — CONCRETE CURB & GUTTER INTEGRAL 66-INCH, TYPE A
- DWY — CONCRETE DRIVEWAY 7-INCH OVER 6 INCHES BASE AGGREGATE DENSE 1¼-INCH
- CDW — GREY COLORED CONCRETE DRIVEWAY 7-INCH OVER 6 INCHES BASE AGGREGATE DENSE 1¼-INCH
- CGR — CONCRETE CURB & GUTTER 4-INCH SLOPED 30-INCH TYPE R



POINT NUMBER	STATION	OFFSET	DESCRIPTION
J10	653+00.96	44.50' LT	BEGIN CONCRETE CURB & GUTTER
J11	652+88.46	73.12' LT	END CONCRETE CURB & GUTTER, SAWCUT, MATCH EXISTING
J12	653+31.22	39.50' LT	SIDEWALK PI
J13	653+41.22	37.50' LT	SIDEWALK PI
J14	653+57.21	37.50' LT	SIDEWALK PI
J15	653+67.21	39.50' LT	SIDEWALK PI
J16	653+95.47	44.55' LT	BEGIN CONCRETE CURB
J17	653+90.32	54.48' LT	SAWCUT, MATCH EXISTING, END CONCRETE CURB
J18	654+33.07	44.61' LT	END CONCRETE CURB
J19	654+46.88	34.00' LT	BEGIN C&G TRANSITION
J20	654+51.98	34.00' LT	END C&G TRANSITION
J21	654+68.02	34.09' LT	BEGIN C&G TRANSITION

POINT NUMBER	STATION	OFFSET	DESCRIPTION
J22	654+72.86	34.15' LT	END C&G TRANSITION
J23	654+30.22	54.56' LT	SAWCUT, MATCH EXISTING, BEGIN CONCRETE CURB
J24	654+75.00	34.19' LT	SAWCUT, MATCH EXISTING, END CURB & GUTTER
J25	654+75.00	39.69' LT	SAWCUT, MATCH EXISTING, END SIDEWALK
J26	653+70.67	32.50' RT	BEGIN CONCRETE CURB
J27	653+72.10	46.53' RT	CONCRETE CURB PI
J28	653+73.50	51.55' RT	END CONCRETE CURB, SAWCUT, MATCH EXISTING
J29	654+10.75	51.48' RT	BEGIN CONCRETE CURB, SAWCUT, MATCH EXISTING
J30	654+09.30	44.12' RT	CONCRETE CURB PI
J31	654+07.65	32.50' RT	END CONCRETE CURB
J32	654+75.00	22.00' RT	SAWCUT, MATCH EXISTING, END CURB & GUTTER
J33	654+75.00	27.50' RT	SAWCUT, MATCH EXISTING, END SIDEWALK

PROJECT NO: 6145-01-73	HWY: USH 12	COUNTY: SAUK	PLAN DETAILS	SHEET 122	E

LEGEND

- PAV1 — CONCRETE PAVEMENT 8-INCH SPECIAL OVER 6 INCHES BASE AGGREGATE DENSE 1¼-INCH
- PAV2 — 4-INCHES HMA PAVEMENT OVER 12-INCHES BASE AGGREGATE DENSE 1¼-INCH
- PAV3 — GREY COLORED CONCRETE PAVEMENT 8-INCH SPECIAL OVER 6 INCHES BASE AGGREGATE DENSE 1¼-INCH
- SWX — CONCRETE SIDEWALK X-INCH OVER 4 INCHES BASE AGGREGATE DENSE 1¼-INCH
- CSW — GREY COLORED CONCRETE SIDEWALK 5-INCH OVER 4 INCHES BASE AGGREGATE DENSE 1¼-INCH
- MUP — CONCRETE SIDEWALK 6-INCH OVER 6 INCHES BASE AGGREGATE DENSE 1¼-INCH
- CMP — GREY COLORED CONCRETE SIDEWALK 6-INCH OVER 6 INCHES BASE AGGREGATE DENSE 1¼-INCH
- AS — ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
- SN — CONCRETE MEDIAN SLOPED NOSE
- 30A — CONCRETE CURB & GUTTER TYPE SIZE (INCHES)
- CONCRETE PAVEMENT HES 8-INCH SPECIAL
- CCD — CONCRETE CURB, TYPE D
- AC — ASPHALTIC CURB
- CRX — CURB RAMP, TYPE X
- BTJ — BUTT JOINT
- 66A — CONCRETE CURB & GUTTER INTEGRAL 66-INCH, TYPE A
- DWY — CONCRETE DRIVEWAY 7-INCH OVER 6 INCHES BASE AGGREGATE DENSE 1¼-INCH
- CDW — GREY COLORED CONCRETE DRIVEWAY 7-INCH OVER 6 INCHES BASE AGGREGATE DENSE 1¼-INCH
- CGR — CONCRETE CURB & GUTTER 4-INCH SLOPED 30-INCH TYPE R

POINT NUMBER	STATION	OFFSET	DESCRIPTION
A01	654+75.0	34.2' LT	SAWCUT, MATCH EXISTING, BEGIN CURB & GUTTER
A02	654+75.0	39.7' LT	SAWCUT, MATCH EXISTING, BEGIN SIDEWALK
A03	654+75.0	22.0' RT	SAWCUT, MATCH EXISTING, BEGIN CURB & GUTTER
A04	654+75.0	27.5' RT	SAWCUT, MATCH EXISTING, BEGIN SIDEWALK
A05	655+03.8	32.5' RT	BEGIN CONCRETE CURB
A09	655+51.4	46.3' RT	14' RADIUS
A13	655+47.7	50.3' RT	SAWCUT, MATCH EXISTING

PROJECT NO: 6145-01-72	HWY: USH 12	COUNTY: SAUK	PLAN DETAILS	SHEET 123 E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-72\021201_PD.DWG
LAYOUT NAME - 021201_pd
PLOT DATE : 6/19/2025 12:32 PM PLOT BY : BARRETT, WILL PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

2

BEGIN CONSTRUCTION
STA. 55+35.85

STA. 55+58.78
28.8'3 LT, 17.0'

PILGRIM DR

CONCRETE CURB PEDESTRIAN

HOT DOG AVENUE

RAILING AND COLORED CONCRETE TO REMAIN

SALVAGE AND REINSTALL RAILING, 24LF

STA. 657+73.48
71.18' LT, 30.6'

STA. 658+07.67
66.25' LT, 16.2'

STA. 659+16.01
76.69' LT, 35.2'

DRIVEWAY TO BE REMOVED

SLOPE INTERCEPT (TYP.)

DRIVEWAY TO BE REMOVED

DRIVEWAY TO BE REMOVED

DRIVEWAY TO BE REMOVED

USH 12 (WISCONSIN DELLS PARKWAY)

PROPOSED LANDSCAPE WALL L05
BEGIN STA. 659+68, 32.5' RT
(SEE CONSTRUCTION DETAILS)

RAILING STEEL PEDESTRIAN
TYPE C3 - 196 LF (TOTAL)

CONCRETE ANCHOR SLAB

STA. 657+78.77
56.63' RT, 35.0'

STA. 659+48.90
51.93' RT, 35.0'

MATCHLINE STA. 655+50

MATCHLINE STA. 661+00

LEGEND

- PAV1 — CONCRETE PAVEMENT 8-INCH SPECIAL OVER 6 INCHES BASE AGGREGATE DENSE 1¼-INCH
- PAV2 — 4-INCHES HMA PAVEMENT OVER 12-INCHES BASE AGGREGATE DENSE 1¼-INCH
- PAV3 — GREY COLORED CONCRETE PAVEMENT 8-INCH SPECIAL OVER 6 INCHES BASE AGGREGATE DENSE 1¼-INCH
- SWX — CONCRETE SIDEWALK X-INCH OVER 4 INCHES BASE AGGREGATE DENSE 1¼-INCH
- CSW — GREY COLORED CONCRETE SIDEWALK 5-INCH OVER 4 INCHES BASE AGGREGATE DENSE 1¼-INCH
- MUP — CONCRETE SIDEWALK 6-INCH OVER 6 INCHES BASE AGGREGATE DENSE 1¼-INCH
- CMP — GREY COLORED CONCRETE SIDEWALK 6-INCH OVER 6 INCHES BASE AGGREGATE DENSE 1¼-INCH
- AS — ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
- SN — CONCRETE MEDIAN SLOPED NOSE
- 30A — CONCRETE CURB & GUTTER TYPE SIZE (INCHES)
- CONCRETE PAVEMENT HES 8-INCH SPECIAL
- CCD — CONCRETE CURB, TYPE D
- AC — ASPHALTIC CURB
- CRX — CURB RAMP, TYPE X
- BTJ — BUTT JOINT
- 66A — CONCRETE CURB & GUTTER INTEGRAL 66-INCH, TYPE A
- DWY — CONCRETE DRIVEWAY 7-INCH OVER 6 INCHES BASE AGGREGATE DENSE 1¼-INCH
- CDW — GREY COLORED CONCRETE DRIVEWAY 7-INCH OVER 6 INCHES BASE AGGREGATE DENSE 1¼-INCH
- CGR — CONCRETE CURB & GUTTER 4-INCH SLOPED 30-INCH TYPE R

NOTE: SEE CURB RAMP DETAILS FOR ADDITIONAL INFORMATION.

PROJECT NO: 6145-01-72	HWY: USH 12	COUNTY: SAUK	PLAN DETAILS	SHEET 124	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-72\021201_PD.DWG
LAYOUT NAME - 021202_pd
PLOT DATE : 6/19/2025 12:32 PM
PLOT BY : BARRETT, WILL
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

POINT NUMBER	STATION	OFFSET	DESCRIPTION
B01	655+61.9	36.9' LT	BEGIN CURB & GUTTER TRANSITION
B02	655+67.0	37.1' LT	END CURB & GUTTER TRANSITION
B03	655+92.4	37.9' LT	BEGIN 30' RADIUS
B04	656+09.5	43.3' LT	END PAV1, BEGIN PAV3
B05	656+16.3	49.5' LT	END PAV3, BEGIN PAV1
B06	655+91.5	67.9' LT	30' RADIUS
B07	56+55.5	16.0' RT	END 30' RADIUS, END PAV1, BEGIN PAV2
B08	56+61.1	26.9' RT	BEGIN CONCRETE CURB PEDESTRIAN
B09	55+65.0	24.5' RT	BEGIN CONCRETE CURB PEDESTRIAN
B10	55+35.9	16.0' RT	SAWCUT, MATCH EXISTING, END CURB & GUTTER
B11	55+35.9	24.5' RT	SAWCUT, MATCH EXISTING, END SIDEWALK
B12	55+35.8	16.0' LT	SAWCUT, MATCH EXISTING, BEGIN CURB & GUTTER
B13	56+55.5	16.0' LT	END PAV1, BEGIN PAV3
B14	656+56.8	54.0' LT	CURB & GUTTER PI
B15	656+58.4	50.5' LT	END PAV1, BEGIN PAV3
B16	656+59.2	48.8' LT	BEGIN 15' RADIUS
B17	656+62.1	44.6' LT	END PAV3, BEGIN PAV1
B18	656+73.5	54.9' LT	15' RADIUS
B19	656+73.9	39.9' LT	END 15' RADIUS
B20	656+59.4	55.0' LT	SIDEWALK PI
B21	656+88.1	62.1' LT	SIDEWALK PI
B22	656+91.8	47.7' LT	SIDEWALK PI
B23	656+86.2	43.6' LT	SIDEWALK PI
B24	656+86.3	41.6' LT	SIDEWALK PI
B25	657+44.8	48.6' LT	SIDEWALK PI
B26	657+55.8	43.7' LT	SIDEWALK PI
B27	657+55.7	45.7' LT	SIDEWALK PI
B28	657+61.0	46.8' LT	SIDEWALK PI
B29	657+64.7	52.0' LT	BEGIN CURB & GUTTER
B30	657+62.8	60.1' LT	BEGIN 6' RADIUS

POINT NUMBER	STATION	OFFSET	DESCRIPTION
B31	657+56.6	58.8' LT	6' RADIUS
B32	657+55.4	64.7' LT	END 6' RADIUS
B33	657+44.5	62.6' LT	BEGIN CURB & GUTTER
B34	658+18.1	52.3' LT	BEGIN CURB & GUTTER
B35	658+15.5	66.3' LT	END CURB & GUTTER
B36	658+51.4	57.5' LT	SAWCUT, MATCH EXISTING
B37	658+96.5	52.5' LT	BEGIN CURB & GUTTER
B38	658+96.5	56.6' LT	CURB & GUTTER PI
B39	658+97.1	65.5' LT	CURB & GUTTER PI
B40	658+99.7	76.6' LT	END CURB & GUTTER, SAWCUT, MATCH EXISTING
B41	659+33.0	52.4' LT	BEGIN CURB & GUTTER
B42	659+33.0	61.5' LT	CURB & GUTTER PI
B43	659+36.6	85.1' LT	BEGIN 5' RADIUS
B44	659+41.9	84.3' LT	5' RADIUS
B45	659+41.2	89.3' LT	END 5' RADIUS
B46	659+35.9	94.7' LT	SAWCUT, MATCH EXISTING
B47	659+72.3	92.6' LT	END CURB & GUTTER, SAWCUT, MATCH EXISTING
B48	659+81.2	99.4' LT	SAWCUT, MATCH EXISTING
B49	659+76.8	57.0' LT	END CURB & GUTTER
B50	659+76.8	52.0' LT	BEGIN CURB & GUTTER
B51	655+82.4	10.0' LT	BEGIN 3' RADIUS
B52	655+82.3	12.8' LT	3' RADIUS
B53	655+82.2	15.6' LT	END 3' RADIUS
B54	656+23.9	16.7' LT	BEGIN 3' RADIUS
B55	656+24.0	13.7' LT	3' RADIUS
B56	656+24.5	10.7' LT	END 3' RADIUS
B57	656+41.4	0.0' RT	BEGIN 3' RADIUS
B58	656+41.4	3.0' LT	3' RADIUS
B59	656+39.8	5.5' LT	END 3' RADIUS, BEGIN 35' RADIUS
B60	656+20.6	35.0' LT	35' RADIUS

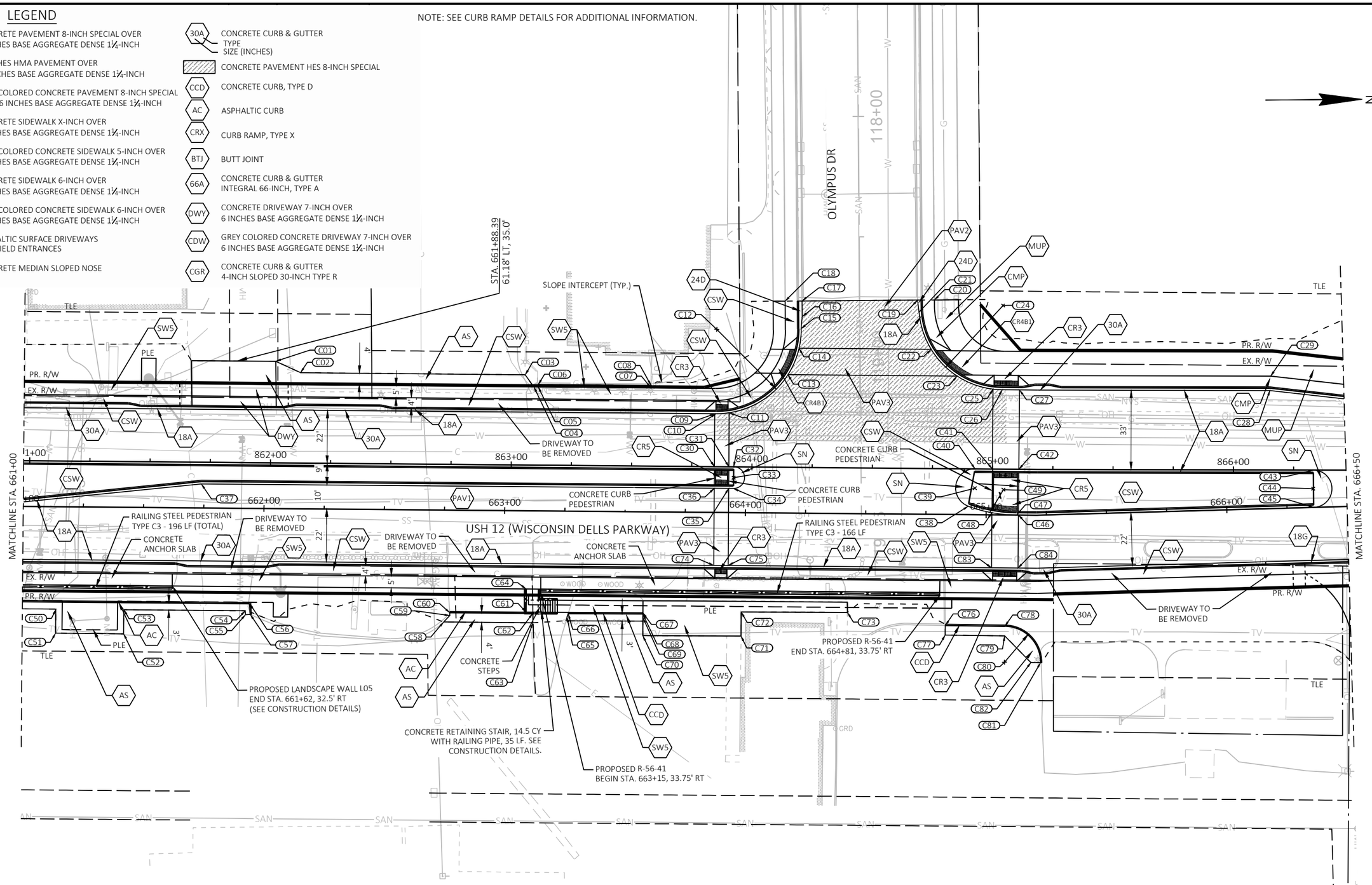
POINT NUMBER	STATION	OFFSET	DESCRIPTION
B61	656+48.9	13.7' LT	END 35' RADIUS, BEGIN 10' RADIUS
B62	656+56.8	7.5' LT	10' RADIUS
B63	656+56.6	17.5' LT	END 10' RADIUS
B64	658+90.3	20.0' LT	BEGIN 3' RADIUS
B65	658+90.3	17.0' LT	3' RADIUS
B66	658+91.7	14.3' LT	END 3' RADIUS, BEGIN 40' RADIUS
B67	658+73.1	50.0' LT	40' RADIUS
B68	658+73.1	10.0' LT	END 40' RADIUS
B69	657+96.9	10.0' LT	CURB & GUTTER PI
B70	656+96.7	0.0' RT	CURB & GUTTER PI
B71	658+97.6	0.0' RT	BEGIN 3' RADIUS
B72	658+97.6	3.0' LT	3' RADIUS
B73	658+96.3	5.7' LT	END 3' RADIUS, BEGIN 60' RADIUS
B74	658+70.1	60.0' LT	60' RADIUS
B75	659+13.4	17.2' LT	END 60' RADIUS, BEGIN 10' RADIUS
B76	659+20.4	9.9' LT	10' RADIUS
B77	659+20.4	19.9' LT	END 10' RADIUS
B78	660+83.0	0.0'	CURB & GUTTER PI
B79	659+78.8	42.6' RT	PI
B80	659+71.7	39.6' RT	END 5' RADIUS
B81	659+71.8	34.6' RT	5' RADIUS
B82	659+66.9	34.7' RT	BEGIN 5' RADIUS
B83	659+66.9	32.5' RT	BEGIN ASPHALTIC CURB
B84	655+53.5	50.6' RT	SAWCUT, MATCH EXISTING

2

LEGEND

- PAV1 — CONCRETE PAVEMENT 8-INCH SPECIAL OVER 6 INCHES BASE AGGREGATE DENSE 1¼-INCH
- PAV2 — 4-INCHES HMA PAVEMENT OVER 12-INCHES BASE AGGREGATE DENSE 1¼-INCH
- PAV3 — GREY COLORED CONCRETE PAVEMENT 8-INCH SPECIAL OVER 6 INCHES BASE AGGREGATE DENSE 1¼-INCH
- SWX — CONCRETE SIDEWALK X-INCH OVER 4 INCHES BASE AGGREGATE DENSE 1¼-INCH
- CSW — GREY COLORED CONCRETE SIDEWALK 5-INCH OVER 4 INCHES BASE AGGREGATE DENSE 1¼-INCH
- MUP — CONCRETE SIDEWALK 6-INCH OVER 6 INCHES BASE AGGREGATE DENSE 1¼-INCH
- CMP — GREY COLORED CONCRETE SIDEWALK 6-INCH OVER 6 INCHES BASE AGGREGATE DENSE 1¼-INCH
- AS — ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
- SN — CONCRETE MEDIAN SLOPED NOSE
- 30A — CONCRETE CURB & GUTTER TYPE SIZE (INCHES)
- CONCRETE PAVEMENT HES 8-INCH SPECIAL
- CCD — CONCRETE CURB, TYPE D
- AC — ASPHALTIC CURB
- CRX — CURB RAMP, TYPE X
- BTJ — BUTT JOINT
- 66A — CONCRETE CURB & GUTTER INTEGRAL 66-INCH, TYPE A
- DWY — CONCRETE DRIVEWAY 7-INCH OVER 6 INCHES BASE AGGREGATE DENSE 1¼-INCH
- CDW — GREY COLORED CONCRETE DRIVEWAY 7-INCH OVER 6 INCHES BASE AGGREGATE DENSE 1¼-INCH
- CGR — CONCRETE CURB & GUTTER 4-INCH SLOPED 30-INCH TYPE R

NOTE: SEE CURB RAMP DETAILS FOR ADDITIONAL INFORMATION.



PROJECT NO: 6145-01-72	HWY: USH 12	COUNTY: SAUK	PLAN DETAILS	SHEET 126	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-72\021201_PD.DWG
LAYOUT NAME - 021203_pd

PLOT DATE : 6/19/2025 12:32 PM PLOT BY : BARRETT, WILL PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

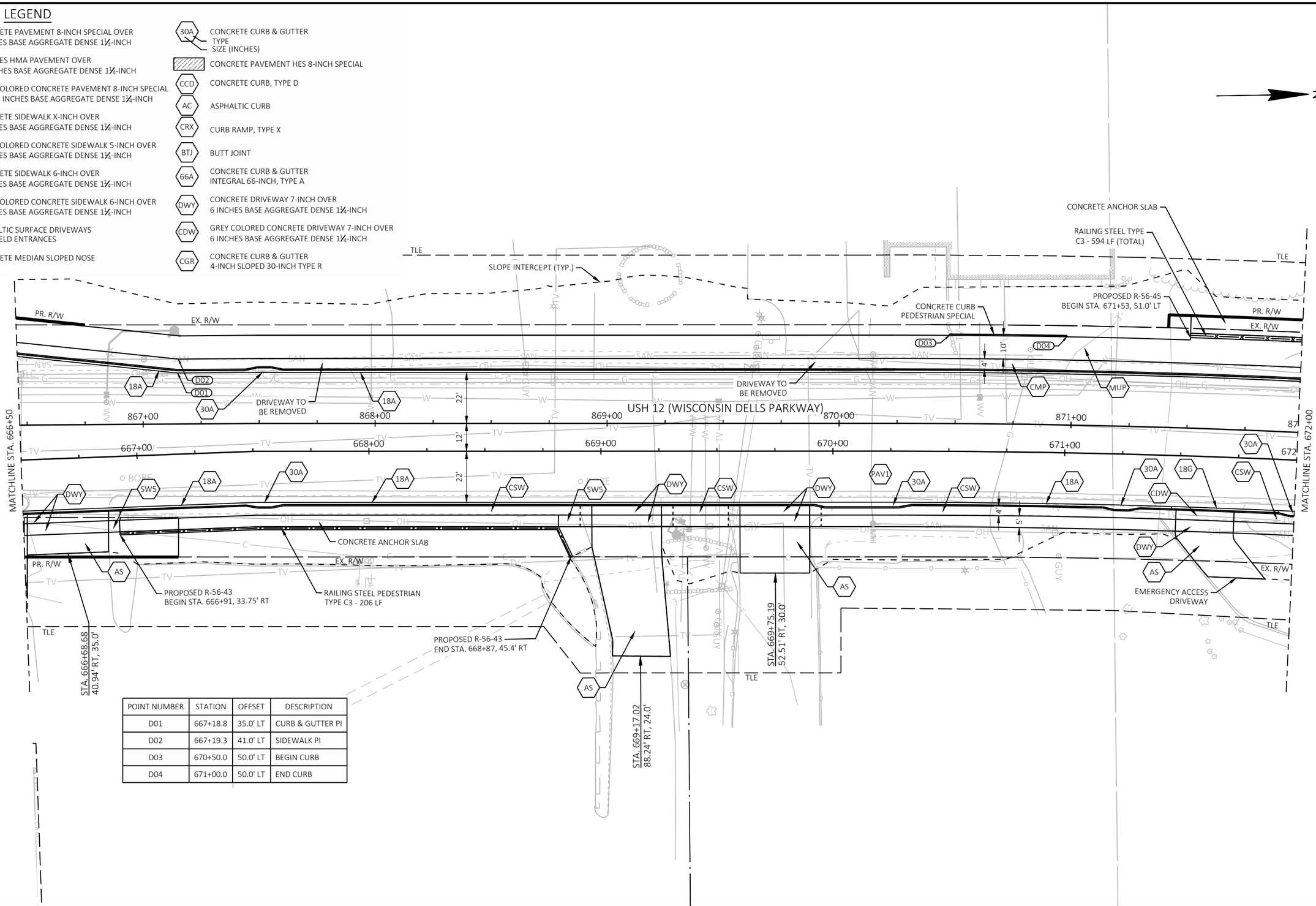
POINT NUMBER	STATION	OFFSET	DESCRIPTION
C01	662+04.4	61.2' LT	SAWCUT, MATCH EXISTING
C02	662+14.7	56.5' LT	SAWCUT, MATCH EXISTING
C03	663+08.0	56.5' LT	SAWCUT, MATCH EXISTING
C04	663+11.7	51.5' LT	SAWCUT, MATCH EXISTING
C05	663+13.5	51.5' LT	SAWCUT, MATCH EXISTING
C06	663+13.5	52.5' LT	SAWCUT, MATCH EXISTING
C07	663+60.4	51.5' LT	SAWCUT, MATCH EXISTING
C08	663+60.4	52.5' LT	SAWCUT, MATCH EXISTING
C09	663+86.9	41.0' LT	END PAV1, BEGIN PAV3
C10	663+87.4	41.0' LT	BEGIN 35' RADIUS
C11	663+92.9	41.4' LT	END PAV3, BEGIN PAV1
C12	663+87.4	76.0' LT	35' RADIUS
C13	664+17.2	57.5' LT	END PAV1, BEGIN PAV3
C14	664+21.6	68.5' LT	END PAV3, BEGIN PAV1
C15	664+22.4	76.6' LT	END 35' RADIUS, BEGING GURB & GUTTER TRANSITION
C16	664+22.9	81.6' LT	CURB & GUTTER PI
C17	664+22.7	88.1' LT	SAWCUT, MATCH EXISTING, END CURB & GUTTER
C18	664+15.8	88.0' LT	SAWCUT, MATCH EXISTING, END SIDEWALK
C19	664+70.7	88.9' LT	SAWCUT, MATCH EXISTING, BEGIN CURB & GUTTER
C20	664+77.7	89.0' LT	SAWCUT, MATCH EXISTING, BEGIN SIDEWALK
C21	664+71.4	83.9' LT	END CURB & GUTTER TRANSITION, BEGIN 35' RADIUS
C22	664+76.6	68.5' LT	END PAV1, BEGIN PAV3
C23	664+87.4	57.5' LT	END PAV3, BEGIN PAV1
C24	665+06.3	87.0' LT	35' RADIUS
C25	665+02.4	52.2' LT	END PAV1, BEGIN PAV3
C26	665+06.3	52.0' LT	END 35' RADIUS
C27	665+13.4	52.0' LT	END PAV3, BEGIN PAV1
C28	666+19.3	49.0' LT	CURB & GUTTER PI
C29	666+19.8	55.0' LT	SIDEWALK PI
C30	663+86.9	19.0' LT	END PAV1, BEGIN PAV3
C31	663+92.9	19.0' LT	END PAV3, BEGIN PAV1
C32	663+94.9	19.0' LT	BEGIN 5' RADIUS

POINT NUMBER	STATION	OFFSET	DESCRIPTION
C33	663+95.0	14.5' LT	5' RADIUS
C34	663+94.9	10.0' LT	END 5' RADIUS
C35	663+93.0	10.0' LT	END PAV3, BEGIN PAV1
C36	663+87.0	10.0' LT	END PAV1, BEGIN PAV3
C37	661+73.9	10.0' LT	CURB & GUTTER PI
C38	664+92.5	3.5' LT	END 60' RADIUS, BEGIN 8' RADIUS
C39	664+95.2	11.0' LT	8' RADIUS
C40	664+95.2	19.0' LT	END 8' RADIUS
C41	665+02.4	19.0' LT	END PAV1, BEGIN PAV3
C42	665+13.4	19.0' LT	END PAV3, BEGIN PAV1
C43	666+36.4	15.5' LT	BEGIN 8' RADIUS
C44	666+36.1	7.7' LT	8' RADIUS
C45	666+36.1	0.0'	END 8' RADIUS
C46	665+13.4	0.0' LT	END PAV3, BEGIN PAV1
C47	665+12.6	0.0'	BEGIN 60' RADIUS
C48	665+02.4	0.9' LT	END PAV1, BEGIN PAV3
C49	665+12.6	60.0' LT	60' RADIUS
C50	661+14.0	42.7' RT	SAWCUT, MATCH EXISTING
C51	661+13.9	52.5' RT	SAWCUT, MATCH EXISTING
C52	661+42.1	52.5' RT	SAWCUT, MATCH EXISTING
C53	661+42.1	42.5' RT	SAWCUT, MATCH EXISTING
C54	661+92.6	42.5' RT	SAWCUT, MATCH EXISTING
C55	661+92.7	44.2' RT	SAWCUT, MATCH EXISTING
C56	661+94.4	39.6' RT	ASPHALT CURB PI
C57	661+94.7	44.0' RT	END ASPHALT CURB, SAWCUT, MATCH EXISTING
C58	662+75.1	46.5' RT	SAWCUT, MATCH EXISTING
C59	662+77.5	43.8' RT	SAWCUT, MATCH EXISTING
C60	662+77.5	42.6' RT	SAWCUT, MATCH EXISTING, BEGIN ASPHALTIC CURB
C61	663+09.2	42.1' RT	SIDEWALK PI
C62	663+12.0	42.6' RT	SAWCUT, MATCH EXISTING, END ASPHALTIC CURB
C63	663+12.1	46.5' RT	SAWCUT, MATCH EXISTING
C64	663+09.2	32.5' RT	SIDEWALK PI

POINT NUMBER	STATION	OFFSET	DESCRIPTION
C65	663+26.3	44.1' RT	SAWCUT, MATCH EXISTING
C66	663+26.7	42.6' RT	BEGIN CONCRETE CURB
C67	663+57.8	41.9' RT	SIDEWALK PI
C68	663+57.8	42.4' RT	BEGIN CONCRETE CURB
C69	663+57.8	43.9' RT	SAWCUT, MATCH EXISTING
C70	663+57.8	51.4' RT	SIDEWALK PI
C71	663+98.6	51.3' RT	SIDEWALK PI
C72	663+98.6	41.3' RT	SIDEWALK PI
C73	664+42.7	41.1' RT	SIDEWALK PI
C74	663+87.0	22.0' RT	END PAV1, BEGIN PAV3
C75	663+93.0	22.0' RT	END PAV3, BEGIN PAV1
C76	664+83.4	46.1' RT	SAWCUT, MATCH EXISTING, BEGIN CONCRETE CURB
C77	664+83.4	50.1' RT	SAWCUT, MATCH EXISTING
C78	665+08.2	46.2' RT	BEGIN 15' RADIUS
C79	665+08.2	50.2' RT	SAWCUT, MATCH EXISTING
C80	665+08.1	61.2' RT	END 15' RADIUS
C81	665+21.0	61.3' RT	SAWCUT, MATCH EXISTING, END 15' RADIUS, END CONCRETE CURB
C82	665+19.1	61.2' RT	SAWCUT, MATCH EXISTING
C83	665+02.4	22.0' RT	END PAV1, BEGIN PAV3
C84	665+13.4	22.0' RT	END PAV3, BEGIN PAV1

LEGEND

- PAV1 — CONCRETE PAVEMENT 8-INCH SPECIAL OVER 6 INCHES BASE AGGREGATE DENSE 1¼-INCH
- PAV2 — 4-INCHES HMA PAVEMENT OVER 12-INCHES BASE AGGREGATE DENSE 1¼-INCH
- PAV3 — GREY COLORED CONCRETE PAVEMENT 8-INCH SPECIAL OVER 6 INCHES BASE AGGREGATE DENSE 1¼-INCH
- SWX — CONCRETE SIDEWALK X-INCH OVER 4 INCHES BASE AGGREGATE DENSE 1¼-INCH
- CSW — GREY COLORED CONCRETE SIDEWALK 5-INCH OVER 4 INCHES BASE AGGREGATE DENSE 1¼-INCH
- MUP — CONCRETE SIDEWALK 6-INCH OVER 6 INCHES BASE AGGREGATE DENSE 1¼-INCH
- CMP — GREY COLORED CONCRETE SIDEWALK 6-INCH OVER 6 INCHES BASE AGGREGATE DENSE 1¼-INCH
- AS — ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
- SN — CONCRETE MEDIAN SLOPED NOSE
- 30A — CONCRETE CURB & GUTTER TYPE SIZE (INCHES)
- CONCRETE PAVEMENT HES 8-INCH SPECIAL
- CCD — CONCRETE CURB, TYPE D
- AC — ASPHALTIC CURB
- CRX — CURB RAMP, TYPE X
- BTJ — BUTT JOINT
- 66A — CONCRETE CURB & GUTTER INTEGRAL 66-INCH, TYPE A
- DWY — CONCRETE DRIVEWAY 7-INCH OVER 6 INCHES BASE AGGREGATE DENSE 1¼-INCH
- CDW — GREY COLORED CONCRETE DRIVEWAY 7-INCH OVER 6 INCHES BASE AGGREGATE DENSE 1¼-INCH
- CGR — CONCRETE CURB & GUTTER 4-INCH SLOPED 30-INCH TYPE R



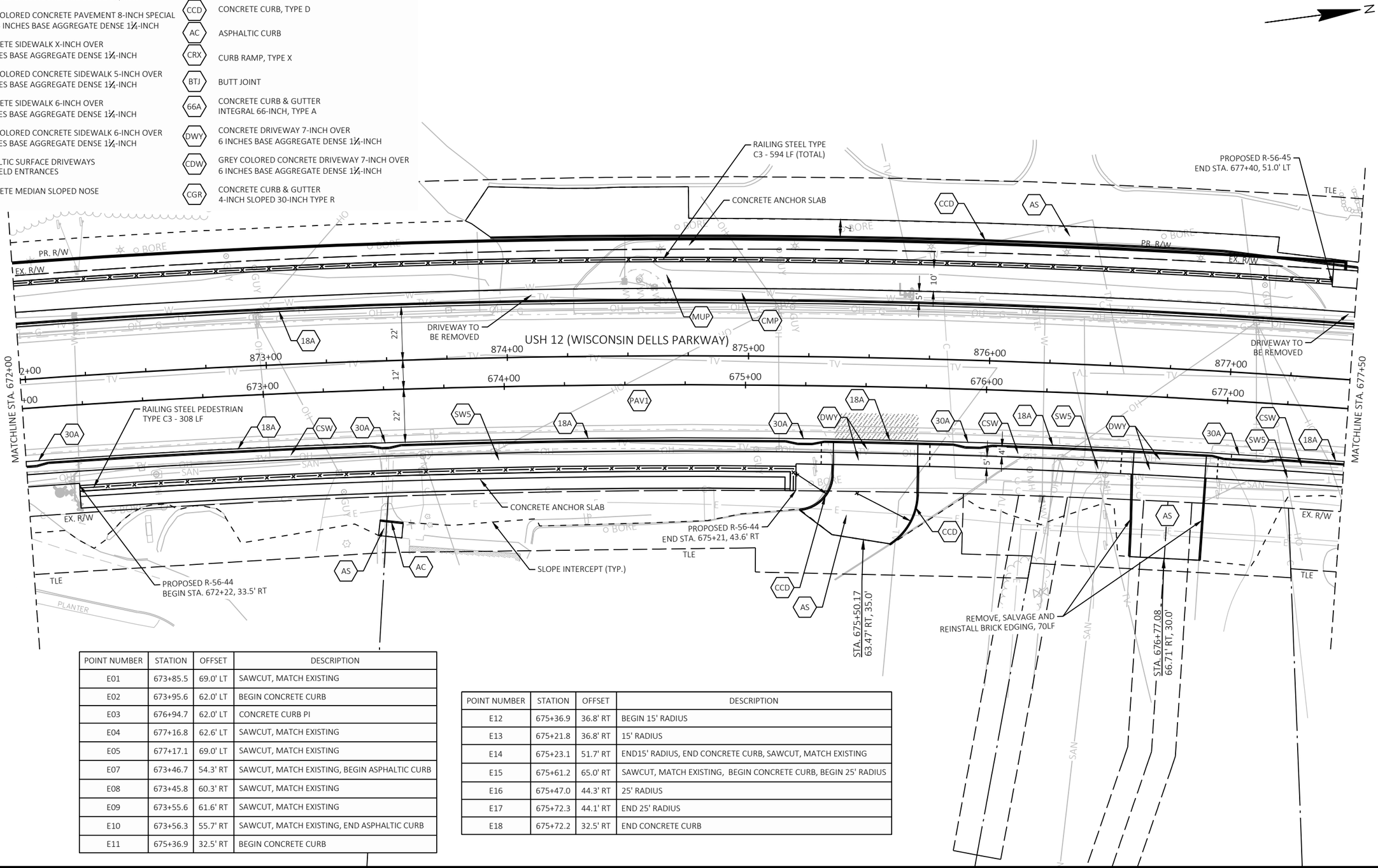
POINT NUMBER	STATION	OFFSET	DESCRIPTION
D01	667+18.8	35.0' LT	CURB & GUTTER PI
D02	667+19.3	41.0' LT	SIDEWALK PI
D03	670+50.0	50.0' LT	BEGIN CURB
D04	671+00.0	50.0' LT	END CURB

PROJECT NO: 6145-01-72	HWY: USH 12	COUNTY: SAUK	PLAN DETAILS	SHEET 128	E

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LEGEND

- PAV1 — CONCRETE PAVEMENT 8-INCH SPECIAL OVER 6 INCHES BASE AGGREGATE DENSE 1¼-INCH
- PAV2 — 4-INCHES HMA PAVEMENT OVER 12-INCHES BASE AGGREGATE DENSE 1¼-INCH
- PAV3 — GREY COLORED CONCRETE PAVEMENT 8-INCH SPECIAL OVER 6 INCHES BASE AGGREGATE DENSE 1¼-INCH
- SWX — CONCRETE SIDEWALK X-INCH OVER 4 INCHES BASE AGGREGATE DENSE 1¼-INCH
- CSW — GREY COLORED CONCRETE SIDEWALK 5-INCH OVER 4 INCHES BASE AGGREGATE DENSE 1¼-INCH
- MUP — CONCRETE SIDEWALK 6-INCH OVER 6 INCHES BASE AGGREGATE DENSE 1¼-INCH
- CMP — GREY COLORED CONCRETE SIDEWALK 6-INCH OVER 6 INCHES BASE AGGREGATE DENSE 1¼-INCH
- AS — ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
- SN — CONCRETE MEDIAN SLOPED NOSE
- 30A — CONCRETE CURB & GUTTER TYPE SIZE (INCHES)
- CONCRETE PAVEMENT HES 8-INCH SPECIAL
- CCD — CONCRETE CURB, TYPE D
- AC — ASPHALTIC CURB
- CRX — CURB RAMP, TYPE X
- BTJ — BUTT JOINT
- 66A — CONCRETE CURB & GUTTER INTEGRAL 66-INCH, TYPE A
- DWY — CONCRETE DRIVEWAY 7-INCH OVER 6 INCHES BASE AGGREGATE DENSE 1¼-INCH
- CDW — GREY COLORED CONCRETE DRIVEWAY 7-INCH OVER 6 INCHES BASE AGGREGATE DENSE 1¼-INCH
- CGR — CONCRETE CURB & GUTTER 4-INCH SLOPED 30-INCH TYPE R



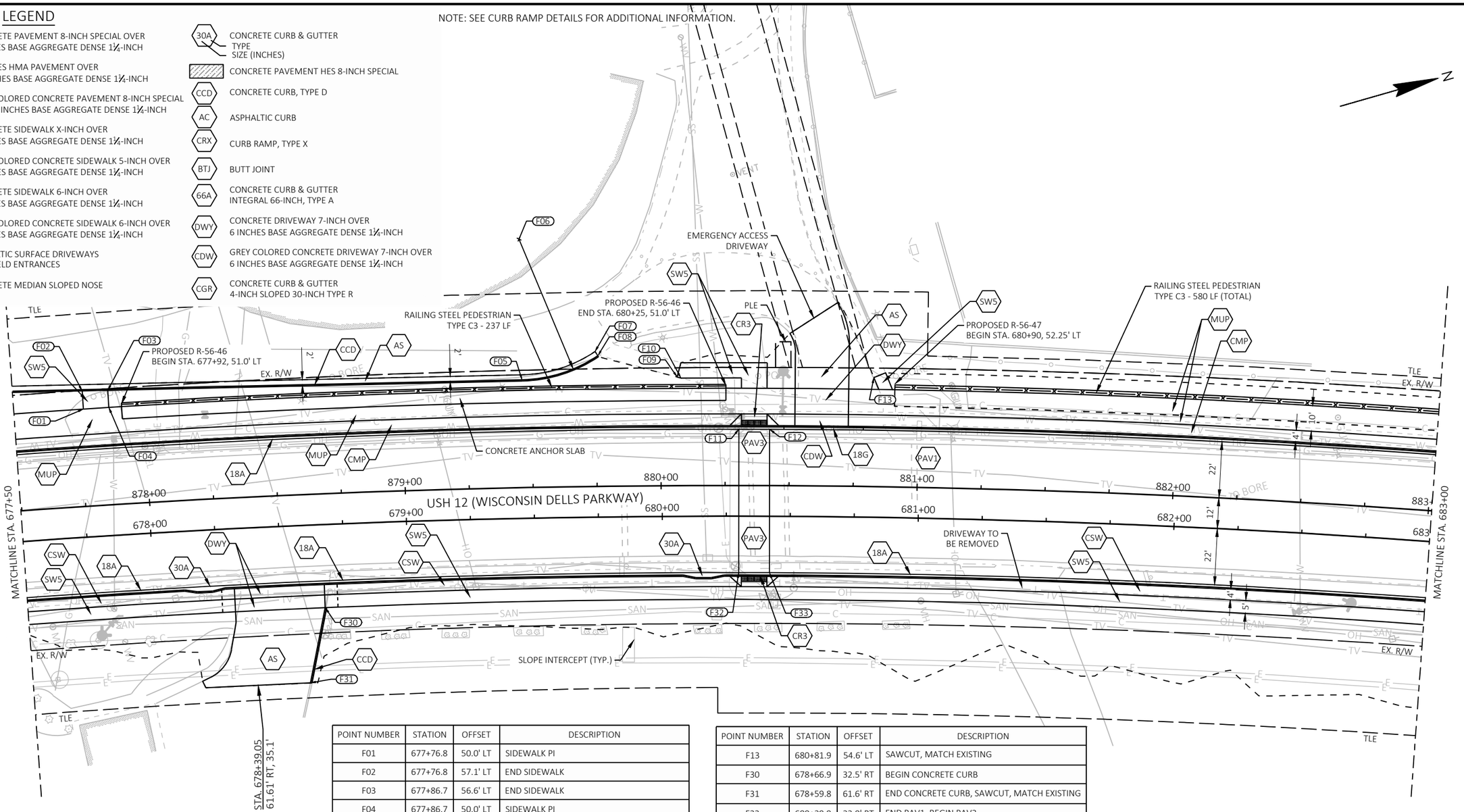
POINT NUMBER	STATION	OFFSET	DESCRIPTION
E01	673+85.5	69.0' LT	SAWCUT, MATCH EXISTING
E02	673+95.6	62.0' LT	BEGIN CONCRETE CURB
E03	676+94.7	62.0' LT	CONCRETE CURB PI
E04	677+16.8	62.6' LT	SAWCUT, MATCH EXISTING
E05	677+17.1	69.0' LT	SAWCUT, MATCH EXISTING
E07	673+46.7	54.3' RT	SAWCUT, MATCH EXISTING, BEGIN ASPHALTIC CURB
E08	673+45.8	60.3' RT	SAWCUT, MATCH EXISTING
E09	673+55.6	61.6' RT	SAWCUT, MATCH EXISTING
E10	673+56.3	55.7' RT	SAWCUT, MATCH EXISTING, END ASPHALTIC CURB
E11	675+36.9	32.5' RT	BEGIN CONCRETE CURB

POINT NUMBER	STATION	OFFSET	DESCRIPTION
E12	675+36.9	36.8' RT	BEGIN 15' RADIUS
E13	675+21.8	36.8' RT	15' RADIUS
E14	675+23.1	51.7' RT	END15' RADIUS, END CONCRETE CURB, SAWCUT, MATCH EXISTING
E15	675+61.2	65.0' RT	SAWCUT, MATCH EXISTING, BEGIN CONCRETE CURB, BEGIN 25' RADIUS
E16	675+47.0	44.3' RT	25' RADIUS
E17	675+72.3	44.1' RT	END 25' RADIUS
E18	675+72.2	32.5' RT	END CONCRETE CURB

LEGEND

- PAV1 — CONCRETE PAVEMENT 8-INCH SPECIAL OVER 6 INCHES BASE AGGREGATE DENSE 1¼-INCH
- PAV2 — 4-INCHES HMA PAVEMENT OVER 12-INCHES BASE AGGREGATE DENSE 1¼-INCH
- PAV3 — GREY COLORED CONCRETE PAVEMENT 8-INCH SPECIAL OVER 6 INCHES BASE AGGREGATE DENSE 1¼-INCH
- SWX — CONCRETE SIDEWALK X-INCH OVER 4 INCHES BASE AGGREGATE DENSE 1¼-INCH
- CSW — GREY COLORED CONCRETE SIDEWALK 5-INCH OVER 4 INCHES BASE AGGREGATE DENSE 1¼-INCH
- MUP — CONCRETE SIDEWALK 6-INCH OVER 6 INCHES BASE AGGREGATE DENSE 1¼-INCH
- CMP — GREY COLORED CONCRETE SIDEWALK 6-INCH OVER 6 INCHES BASE AGGREGATE DENSE 1¼-INCH
- AS — ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
- SN — CONCRETE MEDIAN SLOPED NOSE
- 30A — CONCRETE CURB & GUTTER TYPE SIZE (INCHES)
- CONCRETE PAVEMENT HES 8-INCH SPECIAL
- CCD — CONCRETE CURB, TYPE D
- AC — ASPHALTIC CURB
- CRX — CURB RAMP, TYPE X
- BTJ — BUTT JOINT
- 66A — CONCRETE CURB & GUTTER INTEGRAL 66-INCH, TYPE A
- DWY — CONCRETE DRIVEWAY 7-INCH OVER 6 INCHES BASE AGGREGATE DENSE 1¼-INCH
- CDW — GREY COLORED CONCRETE DRIVEWAY 7-INCH OVER 6 INCHES BASE AGGREGATE DENSE 1¼-INCH
- CGR — CONCRETE CURB & GUTTER 4-INCH SLOPED 30-INCH TYPE R

NOTE: SEE CURB RAMP DETAILS FOR ADDITIONAL INFORMATION.



POINT NUMBER	STATION	OFFSET	DESCRIPTION
F01	677+76.8	50.0' LT	SIDEWALK PI
F02	677+76.8	57.1' LT	END SIDEWALK
F03	677+86.7	56.6' LT	END SIDEWALK
F04	677+86.7	50.0' LT	SIDEWALK PI
F05	679+46.3	54.1' LT	BEGIN 55' RADIUS
F06	679+46.2	109.1' LT	55' RADIUS
F07	679+74.6	64.7' LT	SAWCUT, MATCH EXISTING
F08	679+75.6	63.0' LT	END 55' RADIUS, END CONCRETE CURB
F09	680+06.1	54.4' LT	SAWCUT, MATCH EXISTING, BEGIN SIDEWALK
F10	680+07.5	54.0' LT	SIDEWALK PI
F11	680+29.9	34.0' LT	END PAV1, BEGIN PAV3
F12	680+41.8	34.0' LT	END PAV3, BEGIN PAV1

POINT NUMBER	STATION	OFFSET	DESCRIPTION
F13	680+81.9	54.6' LT	SAWCUT, MATCH EXISTING
F30	678+66.9	32.5' RT	BEGIN CONCRETE CURB
F31	678+59.8	61.6' RT	END CONCRETE CURB, SAWCUT, MATCH EXISTING
F32	680+29.9	22.0' RT	END PAV1, BEGIN PAV3
F33	680+41.9	22.0' RT	END PAV3, BEGIN PAV1

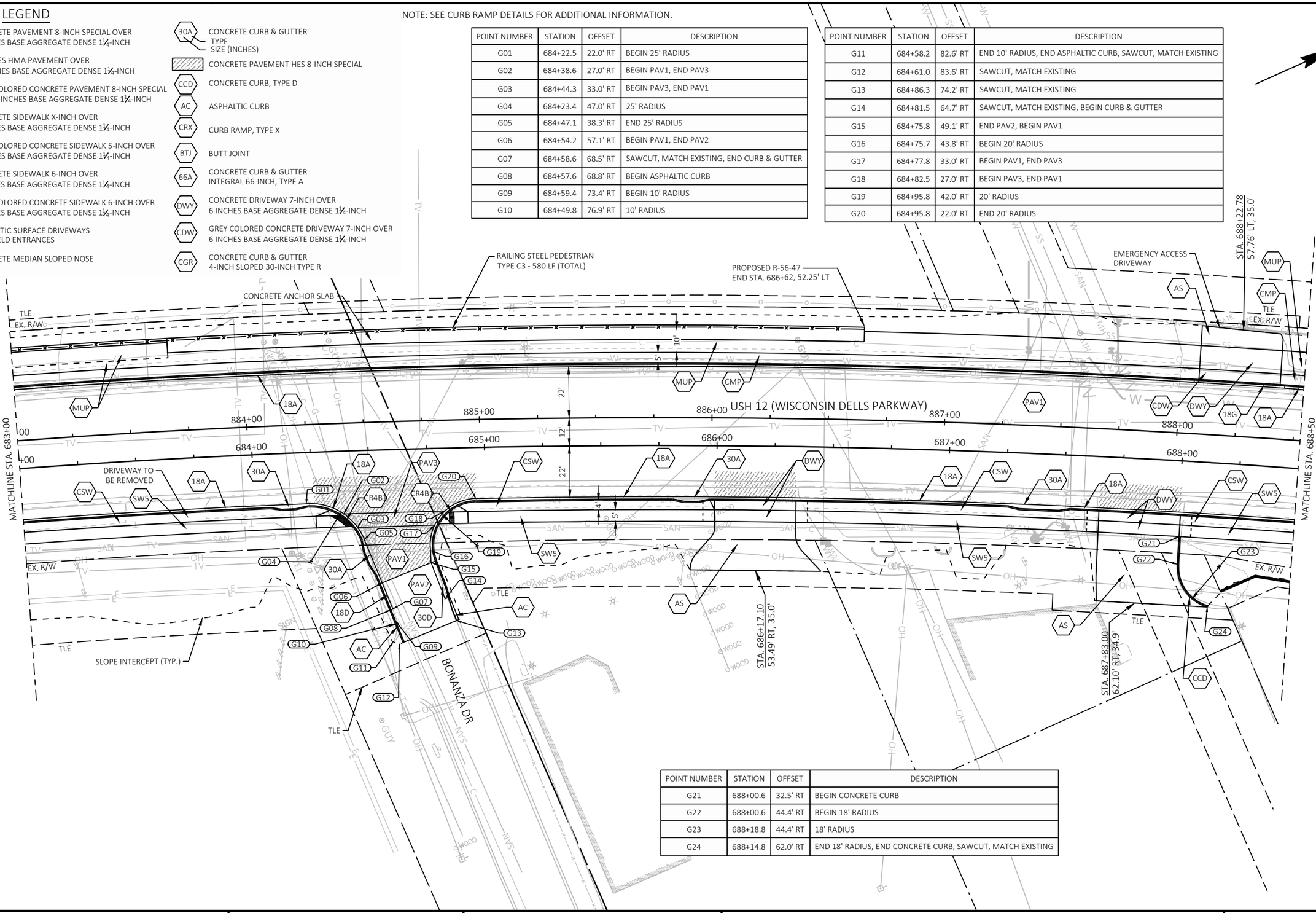
LEGEND

- PAV1 — CONCRETE PAVEMENT 8-INCH SPECIAL OVER 6 INCHES BASE AGGREGATE DENSE 1¼-INCH
- PAV2 — 4-INCHES HMA PAVEMENT OVER 12-INCHES BASE AGGREGATE DENSE 1¼-INCH
- PAV3 — GREY COLORED CONCRETE PAVEMENT 8-INCH SPECIAL OVER 6 INCHES BASE AGGREGATE DENSE 1¼-INCH
- SWX — CONCRETE SIDEWALK X-INCH OVER 4 INCHES BASE AGGREGATE DENSE 1¼-INCH
- CSW — GREY COLORED CONCRETE SIDEWALK 5-INCH OVER 4 INCHES BASE AGGREGATE DENSE 1¼-INCH
- MUP — CONCRETE SIDEWALK 6-INCH OVER 6 INCHES BASE AGGREGATE DENSE 1¼-INCH
- CMP — GREY COLORED CONCRETE SIDEWALK 6-INCH OVER 6 INCHES BASE AGGREGATE DENSE 1¼-INCH
- AS — ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
- SN — CONCRETE MEDIAN SLOPED NOSE
- 30A — CONCRETE CURB & GUTTER TYPE SIZE (INCHES)
- CONCRETE PAVEMENT HES 8-INCH SPECIAL
- CCD — CONCRETE CURB, TYPE D
- AC — ASPHALTIC CURB
- CRX — CURB RAMP, TYPE X
- BTJ — BUTT JOINT
- 66A — CONCRETE CURB & GUTTER INTEGRAL 66-INCH, TYPE A
- DWY — CONCRETE DRIVEWAY 7-INCH OVER 6 INCHES BASE AGGREGATE DENSE 1¼-INCH
- CDW — GREY COLORED CONCRETE DRIVEWAY 7-INCH OVER 6 INCHES BASE AGGREGATE DENSE 1¼-INCH
- CGR — CONCRETE CURB & GUTTER 4-INCH SLOPED 30-INCH TYPE R

NOTE: SEE CURB RAMP DETAILS FOR ADDITIONAL INFORMATION.

POINT NUMBER	STATION	OFFSET	DESCRIPTION
G01	684+22.5	22.0' RT	BEGIN 25' RADIUS
G02	684+38.6	27.0' RT	BEGIN PAV1, END PAV3
G03	684+44.3	33.0' RT	BEGIN PAV3, END PAV1
G04	684+23.4	47.0' RT	25' RADIUS
G05	684+47.1	38.3' RT	END 25' RADIUS
G06	684+54.2	57.1' RT	BEGIN PAV1, END PAV2
G07	684+58.6	68.5' RT	SAWCUT, MATCH EXISTING, END CURB & GUTTER
G08	684+57.6	68.8' RT	BEGIN ASPHALTIC CURB
G09	684+59.4	73.4' RT	BEGIN 10' RADIUS
G10	684+49.8	76.9' RT	10' RADIUS

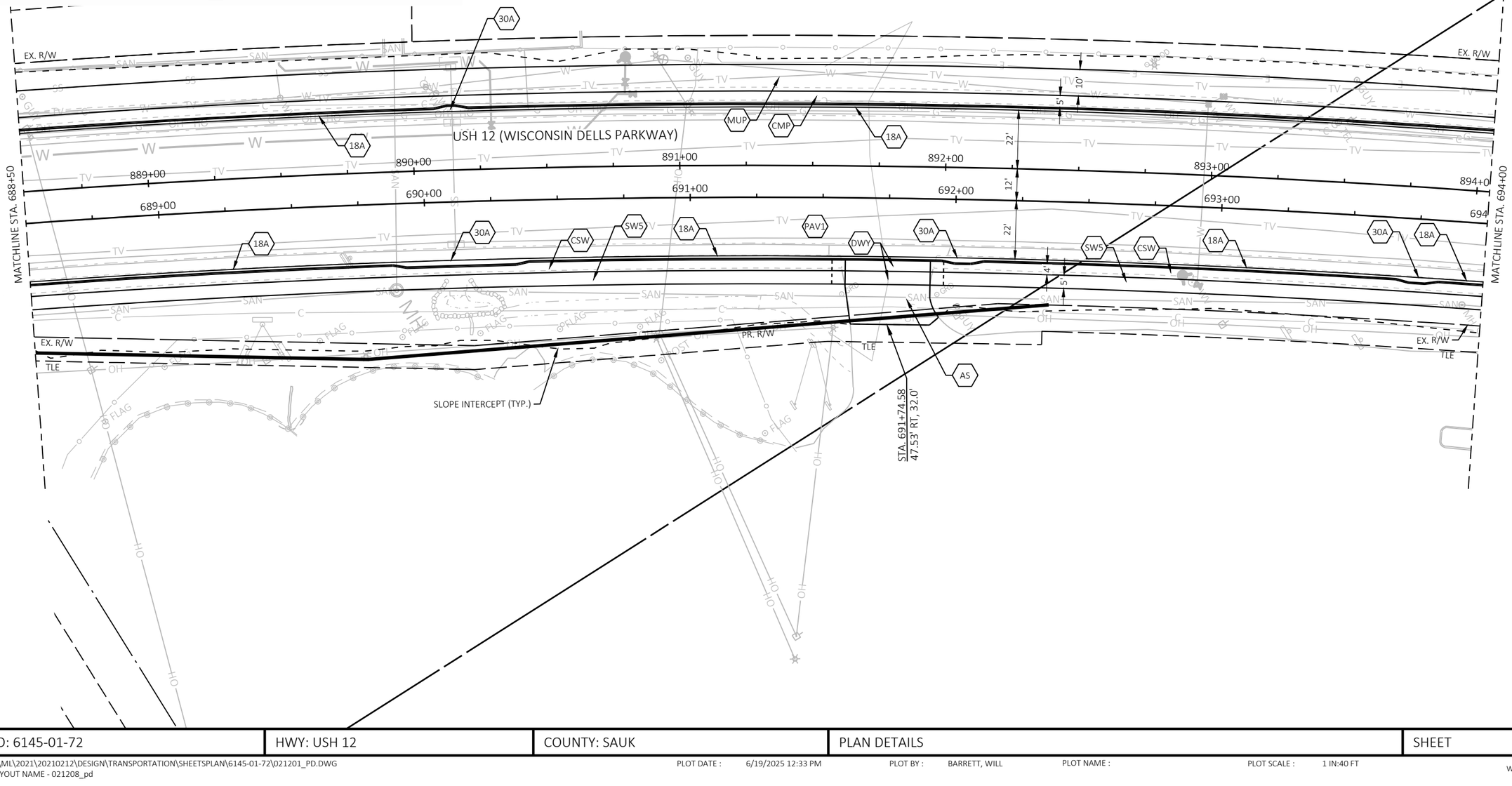
POINT NUMBER	STATION	OFFSET	DESCRIPTION
G11	684+58.2	82.6' RT	END 10' RADIUS, END ASPHALTIC CURB, SAWCUT, MATCH EXISTING
G12	684+61.0	83.6' RT	SAWCUT, MATCH EXISTING
G13	684+86.3	74.2' RT	SAWCUT, MATCH EXISTING
G14	684+81.5	64.7' RT	SAWCUT, MATCH EXISTING, BEGIN CURB & GUTTER
G15	684+75.8	49.1' RT	END PAV2, BEGIN PAV1
G16	684+75.7	43.8' RT	BEGIN 20' RADIUS
G17	684+77.8	33.0' RT	BEGIN PAV1, END PAV3
G18	684+82.5	27.0' RT	BEGIN PAV3, END PAV1
G19	684+95.8	42.0' RT	20' RADIUS
G20	684+95.8	22.0' RT	END 20' RADIUS



POINT NUMBER	STATION	OFFSET	DESCRIPTION
G21	688+00.6	32.5' RT	BEGIN CONCRETE CURB
G22	688+00.6	44.4' RT	BEGIN 18' RADIUS
G23	688+18.8	44.4' RT	18' RADIUS
G24	688+14.8	62.0' RT	END 18' RADIUS, END CONCRETE CURB, SAWCUT, MATCH EXISTING

LEGEND

- PAV1 — CONCRETE PAVEMENT 8-INCH SPECIAL OVER 6 INCHES BASE AGGREGATE DENSE 1¼-INCH
- PAV2 — 4-INCHES HMA PAVEMENT OVER 12-INCHES BASE AGGREGATE DENSE 1¼-INCH
- PAV3 — GREY COLORED CONCRETE PAVEMENT 8-INCH SPECIAL OVER 6 INCHES BASE AGGREGATE DENSE 1¼-INCH
- SWX — CONCRETE SIDEWALK X-INCH OVER 4 INCHES BASE AGGREGATE DENSE 1¼-INCH
- CSW — GREY COLORED CONCRETE SIDEWALK 5-INCH OVER 4 INCHES BASE AGGREGATE DENSE 1¼-INCH
- MUP — CONCRETE SIDEWALK 6-INCH OVER 6 INCHES BASE AGGREGATE DENSE 1¼-INCH
- CMP — GREY COLORED CONCRETE SIDEWALK 6-INCH OVER 6 INCHES BASE AGGREGATE DENSE 1¼-INCH
- AS — ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
- SN — CONCRETE MEDIAN SLOPED NOSE
- 30A — CONCRETE CURB & GUTTER TYPE SIZE (INCHES)
- CONCRETE PAVEMENT HES 8-INCH SPECIAL
- CCD — CONCRETE CURB, TYPE D
- AC — ASPHALTIC CURB
- CRX — CURB RAMP, TYPE X
- BTJ — BUTT JOINT
- 66A — CONCRETE CURB & GUTTER INTEGRAL 66-INCH, TYPE A
- DWY — CONCRETE DRIVEWAY 7-INCH OVER 6 INCHES BASE AGGREGATE DENSE 1¼-INCH
- CDW — GREY COLORED CONCRETE DRIVEWAY 7-INCH OVER 6 INCHES BASE AGGREGATE DENSE 1¼-INCH
- CGR — CONCRETE CURB & GUTTER 4-INCH SLOPED 30-INCH TYPE R

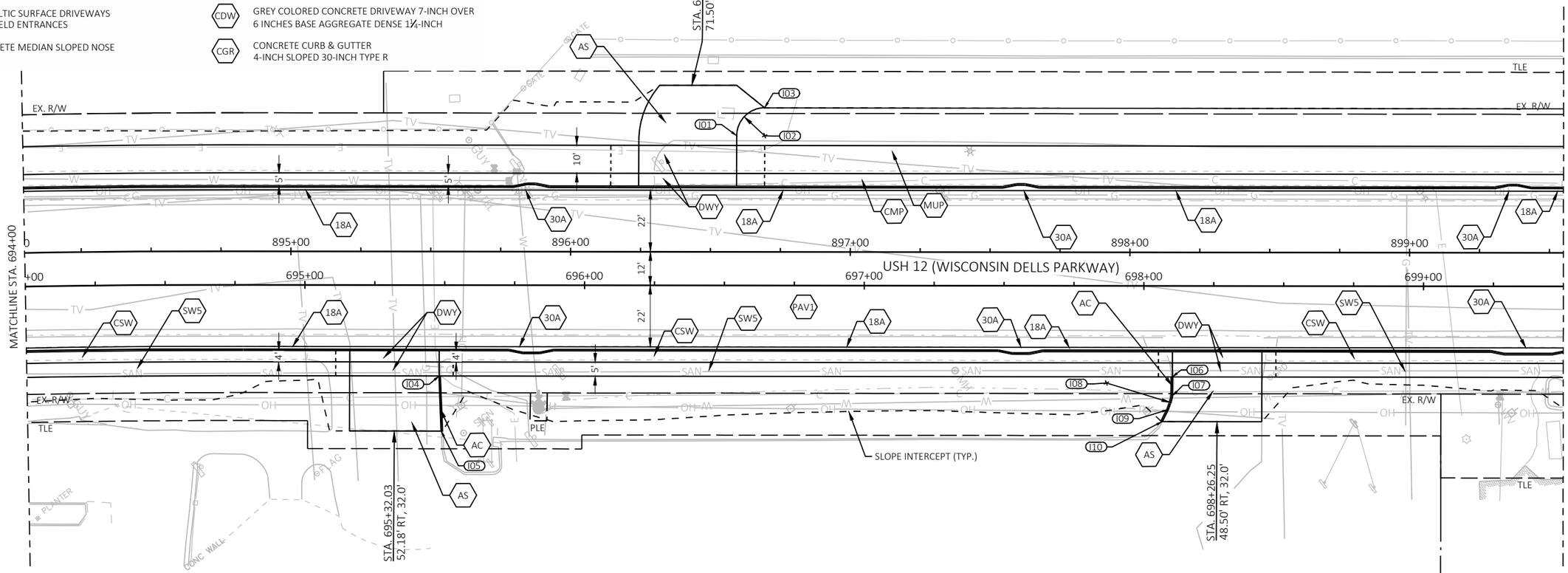


PROJECT NO: 6145-01-72	HWY: USH 12	COUNTY: SAUK	PLAN DETAILS	SHEET 132	E

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PLOT BY : BARRETT, WILL
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

LEGEND

- PAV1 — CONCRETE PAVEMENT 8-INCH SPECIAL OVER 6 INCHES BASE AGGREGATE DENSE 1¼-INCH
- PAV2 — 4-INCHES HMA PAVEMENT OVER 12-INCHES BASE AGGREGATE DENSE 1¼-INCH
- PAV3 — GREY COLORED CONCRETE PAVEMENT 8-INCH SPECIAL OVER 6 INCHES BASE AGGREGATE DENSE 1¼-INCH
- SWX — CONCRETE SIDEWALK X-INCH OVER 4 INCHES BASE AGGREGATE DENSE 1¼-INCH
- CSW — GREY COLORED CONCRETE SIDEWALK 5-INCH OVER 4 INCHES BASE AGGREGATE DENSE 1¼-INCH
- MUP — CONCRETE SIDEWALK 6-INCH OVER 6 INCHES BASE AGGREGATE DENSE 1¼-INCH
- CMP — GREY COLORED CONCRETE SIDEWALK 6-INCH OVER 6 INCHES BASE AGGREGATE DENSE 1¼-INCH
- AS — ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
- SN — CONCRETE MEDIAN SLOPED NOSE
- 30A — CONCRETE CURB & GUTTER TYPE SIZE (INCHES)
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- CRX — CURB RAMP, TYPE X
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- DWY — CONCRETE DRIVEWAY 7-INCH OVER 6 INCHES BASE AGGREGATE DENSE 1¼-INCH
- CDW — GREY COLORED CONCRETE DRIVEWAY 7-INCH OVER 6 INCHES BASE AGGREGATE DENSE 1¼-INCH
- CGR — CONCRETE CURB & GUTTER 4-INCH SLOPED 30-INCH TYPE R

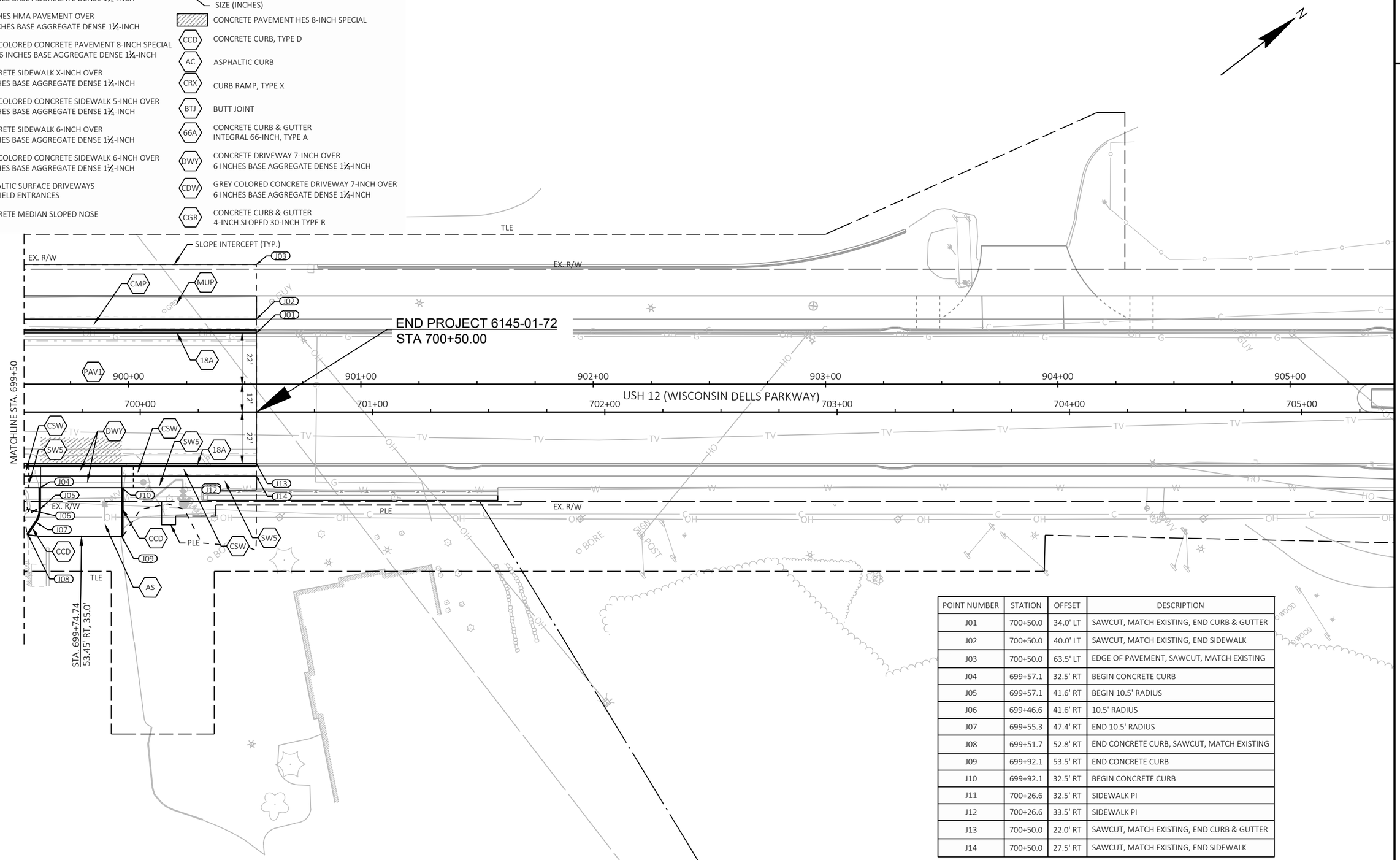


POINT NUMBER	STATION	OFFSET	DESCRIPTION
I01	696+54.3	53.5' LT	BEGIN CONCRETE CURB
I02	696+64.3	53.5' LT	10' RADIUS
I03	696+64.3	63.5' LT	END 10' RADIUS
I04	695+48.0	32.5' RT	BEGIN ASPHALTIC CURB
I05	695+48.8	52.2' RT	END ASPHALTIC CURB, SAWCUT, MATCH EXISTING
I06	698+10.2	32.5' RT	BEGIN ASPHALTIC CURB
I07	698+10.2	39.3' RT	BEGIN 24' RADIUS
I08	697+86.6	34.7' RT	24' RADIUS
I09	698+08.7	44.2' RT	END 24' RADIUS
I10	698+06.6	48.5' RT	END ASPHALTIC CURB, SAWCUT, MATCH EXISTING

2

LEGEND

- PAV1 — CONCRETE PAVEMENT 8-INCH SPECIAL OVER 6 INCHES BASE AGGREGATE DENSE 1¼-INCH
- PAV2 — 4-INCHES HMA PAVEMENT OVER 12-INCHES BASE AGGREGATE DENSE 1¼-INCH
- PAV3 — GREY COLORED CONCRETE PAVEMENT 8-INCH SPECIAL OVER 6 INCHES BASE AGGREGATE DENSE 1¼-INCH
- SWX — CONCRETE SIDEWALK X-INCH OVER 4 INCHES BASE AGGREGATE DENSE 1¼-INCH
- CSW — GREY COLORED CONCRETE SIDEWALK 5-INCH OVER 4 INCHES BASE AGGREGATE DENSE 1¼-INCH
- MUP — CONCRETE SIDEWALK 6-INCH OVER 6 INCHES BASE AGGREGATE DENSE 1¼-INCH
- CMP — GREY COLORED CONCRETE SIDEWALK 6-INCH OVER 6 INCHES BASE AGGREGATE DENSE 1¼-INCH
- AS — ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
- SN — CONCRETE MEDIAN SLOPED NOSE
- 30A — CONCRETE CURB & GUTTER TYPE SIZE (INCHES)
- CONCRETE PAVEMENT HES 8-INCH SPECIAL
- CCD — CONCRETE CURB, TYPE D
- AC — ASPHALTIC CURB
- CRX — CURB RAMP, TYPE X
- BTJ — BUTT JOINT
- 66A — CONCRETE CURB & GUTTER INTEGRAL 66-INCH, TYPE A
- DWY — CONCRETE DRIVEWAY 7-INCH OVER 6 INCHES BASE AGGREGATE DENSE 1¼-INCH
- CDW — GREY COLORED CONCRETE DRIVEWAY 7-INCH OVER 6 INCHES BASE AGGREGATE DENSE 1¼-INCH
- CGR — CONCRETE CURB & GUTTER 4-INCH SLOPED 30-INCH TYPE R



POINT NUMBER	STATION	OFFSET	DESCRIPTION
J01	700+50.0	34.0' LT	SAWCUT, MATCH EXISTING, END CURB & GUTTER
J02	700+50.0	40.0' LT	SAWCUT, MATCH EXISTING, END SIDEWALK
J03	700+50.0	63.5' LT	EDGE OF PAVEMENT, SAWCUT, MATCH EXISTING
J04	699+57.1	32.5' RT	BEGIN CONCRETE CURB
J05	699+57.1	41.6' RT	BEGIN 10.5' RADIUS
J06	699+46.6	41.6' RT	10.5' RADIUS
J07	699+55.3	47.4' RT	END 10.5' RADIUS
J08	699+51.7	52.8' RT	END CONCRETE CURB, SAWCUT, MATCH EXISTING
J09	699+92.1	53.5' RT	END CONCRETE CURB
J10	699+92.1	32.5' RT	BEGIN CONCRETE CURB
J11	700+26.6	32.5' RT	SIDEWALK PI
J12	700+26.6	33.5' RT	SIDEWALK PI
J13	700+50.0	22.0' RT	SAWCUT, MATCH EXISTING, END CURB & GUTTER
J14	700+50.0	27.5' RT	SAWCUT, MATCH EXISTING, END SIDEWALK

LEGEND

- PAV1 — CONCRETE PAVEMENT 8-INCH SPECIAL OVER 6 INCHES BASE AGGREGATE DENSE 1¼-INCH
- PAV2 — 4-INCHES HMA PAVEMENT OVER 12-INCHES BASE AGGREGATE DENSE 1¼-INCH
- PAV3 — GREY COLORED CONCRETE PAVEMENT 8-INCH SPECIAL OVER 6 INCHES BASE AGGREGATE DENSE 1¼-INCH
- SWX — CONCRETE SIDEWALK X-INCH OVER 4 INCHES BASE AGGREGATE DENSE 1¼-INCH
- CSW — GREY COLORED CONCRETE SIDEWALK 5-INCH OVER 4 INCHES BASE AGGREGATE DENSE 1¼-INCH
- MUP — CONCRETE SIDEWALK 6-INCH OVER 6 INCHES BASE AGGREGATE DENSE 1¼-INCH
- CMP — GREY COLORED CONCRETE SIDEWALK 6-INCH OVER 6 INCHES BASE AGGREGATE DENSE 1¼-INCH
- AS — ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
- SN — CONCRETE MEDIAN SLOPED NOSE
- 30A — CONCRETE CURB & GUTTER, TYPE SIZE (INCHES)
- CONCRETE PAVEMENT HES 8-INCH SPECIAL
- CCD — CONCRETE CURB, TYPE D
- AC — ASPHALTIC CURB
- CRX — CURB RAMP, TYPE X
- BTJ — BUTT JOINT
- 66A — CONCRETE CURB & GUTTER INTEGRAL 66-INCH, TYPE A
- DWY — CONCRETE DRIVEWAY 7-INCH OVER 6 INCHES BASE AGGREGATE DENSE 1¼-INCH
- CDW — GREY COLORED CONCRETE DRIVEWAY 7-INCH OVER 6 INCHES BASE AGGREGATE DENSE 1¼-INCH
- CGR — CONCRETE CURB & GUTTER 4-INCH SLOPED 30-INCH TYPE R

BEGIN PROJECT 6145-01-74
STA. 700+50.00

EX. R/W
TLE
A01
A02
A03
A04
A05
A06
A07
A08
MUP
PAV1
18A
CMP
30A
SW5
CSW
10'
4.5'
22'
12'
4'
5'
897+00
898+00
899+00
900+00
901+00
902+00
697+00
698+00
699+00
700+00
701+00
702+00
MATCHLINE STA. 702+50
USH 12 (WISCONSIN DELLS PARKWAY)
PLE
RAILING STEEL PEDESTRIAN TYPE C3 - 129 LF
PROPOSED R-56-48 BEGIN STA. 700+26, 37.8' RT
PROPOSED R-56-48 END STA. 701+54, 35.8' RT
SLOPE INTERCEPT (TYP.)
BUILDING 31 B
BUILDING 31 A

POINT NUMBER	STATION	OFFSET	DESCRIPTION
A01	700+50.00	34.00' LT	SAWCUT, MATCH EXISTING, BEGIN CURB & GUTTER
A02	700+50.00	40.00' LT	SAWCUT, MATCH EXISTING, BEGIN SIDEWALK
A03	700+50.00	63.50' LT	SAWCUT, MATCH EXISTING, EDGE OF PAVEMENT
A04	700+76.43	63.50' LT	BEGIN CURB & GUTTER
A05	700+50.00	22.00' RT	SAWCUT, MATCH EXISTING, BEGIN CURB & GUTTER
A06	700+50.00	27.50' RT	SAWCUT, MATCH EXISTING, BEGIN SIDEWALK
A07	701+53.94	33.50' RT	SIDEWALK PI
A08	701+53.94	32.50' RT	SIDEWALK PI

POINT NUMBER	STATION	OFFSET	DESCRIPTION
B01	702+52.62	63.50' LT	BEGIN 200' RADIUS
B02	702+52.62	263.50' LT	200' RADIUS
B03	703+29.19	78.74' LT	END 200' RADIUS, END CURB & GUTTER, SAWCUT, MATCH EXISTING
B04	703+44.16	50.00' LT	BEGIN DRIVEWAY
B05	703+55.36	50.00' LT	DRIVEWAY PI
B06	703+26.99	70.50' LT	35' RADIUS
B07	704+46.75	85.50' LT	50' RADIUS
B08	704+11.54	50.00' LT	DRIVEWAY PI
B09	704+26.02	50.00' LT	END DRIVEWAY
B10	706+78.01	39.46' LT	BEGIN CURB & GUTTER TRANSITION
B11	706+83.00	39.62' LT	BEGIN CURB & GUTTER TRANSITION
B12	705+29.98	0.00'	BEGIN 6' RADIUS
B13	705+29.98	6.00' LT	6' RADIUS
B14	705+29.98	12.00' LT	END 6' RADIUS
B15	707+70.35	18.66' LT	BEGIN TAPER

POINT NUMBER	STATION	OFFSET	DESCRIPTION
B16	705+02.25	27.50' RT	SIDEWALK PI
B17	705+24.20	22.00' RT	BEGIN CURB & GUTTER TRANSITION
B18	705+29.10	22.00' RT	END CURB & GUTTER TRANSITION

LEGEND

- PAV1 — CONCRETE PAVEMENT 8-INCH SPECIAL OVER 6 INCHES BASE AGGREGATE DENSE 1¼-INCH
- PAV2 — 4-INCHES HMA PAVEMENT OVER 12-INCHES BASE AGGREGATE DENSE 1¼-INCH
- PAV3 — GREY COLORED CONCRETE PAVEMENT 8-INCH SPECIAL OVER 6 INCHES BASE AGGREGATE DENSE 1¼-INCH
- SWX — CONCRETE SIDEWALK X-INCH OVER 4 INCHES BASE AGGREGATE DENSE 1¼-INCH
- CSW — GREY COLORED CONCRETE SIDEWALK 5-INCH OVER 4 INCHES BASE AGGREGATE DENSE 1¼-INCH
- MUP — CONCRETE SIDEWALK 6-INCH OVER 6 INCHES BASE AGGREGATE DENSE 1¼-INCH
- CMP — GREY COLORED CONCRETE SIDEWALK 6-INCH OVER 6 INCHES BASE AGGREGATE DENSE 1¼-INCH
- AS — ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
- SN — CONCRETE MEDIAN SLOPED NOSE
- 30A — CONCRETE CURB & GUTTER TYPE SIZE (INCHES)
- CONCRETE PAVEMENT HES 8-INCH SPECIAL
- CCD — CONCRETE CURB, TYPE D
- AC — ASPHALTIC CURB
- CRX — CURB RAMP, TYPE X
- BTJ — BUTT JOINT
- 66A — CONCRETE CURB & GUTTER INTEGRAL 66-INCH, TYPE A
- DWY — CONCRETE DRIVEWAY 7-INCH OVER 6 INCHES BASE AGGREGATE DENSE 1¼-INCH
- CDW — GREY COLORED CONCRETE DRIVEWAY 7-INCH OVER 6 INCHES BASE AGGREGATE DENSE 1¼-INCH
- CGR — CONCRETE CURB & GUTTER 4-INCH SLOPED 30-INCH TYPE R

PROJECT NO: 6145-01-74	HWY: USH 12	COUNTY: SAUK	PLAN DETAILS	SHEET 136	E

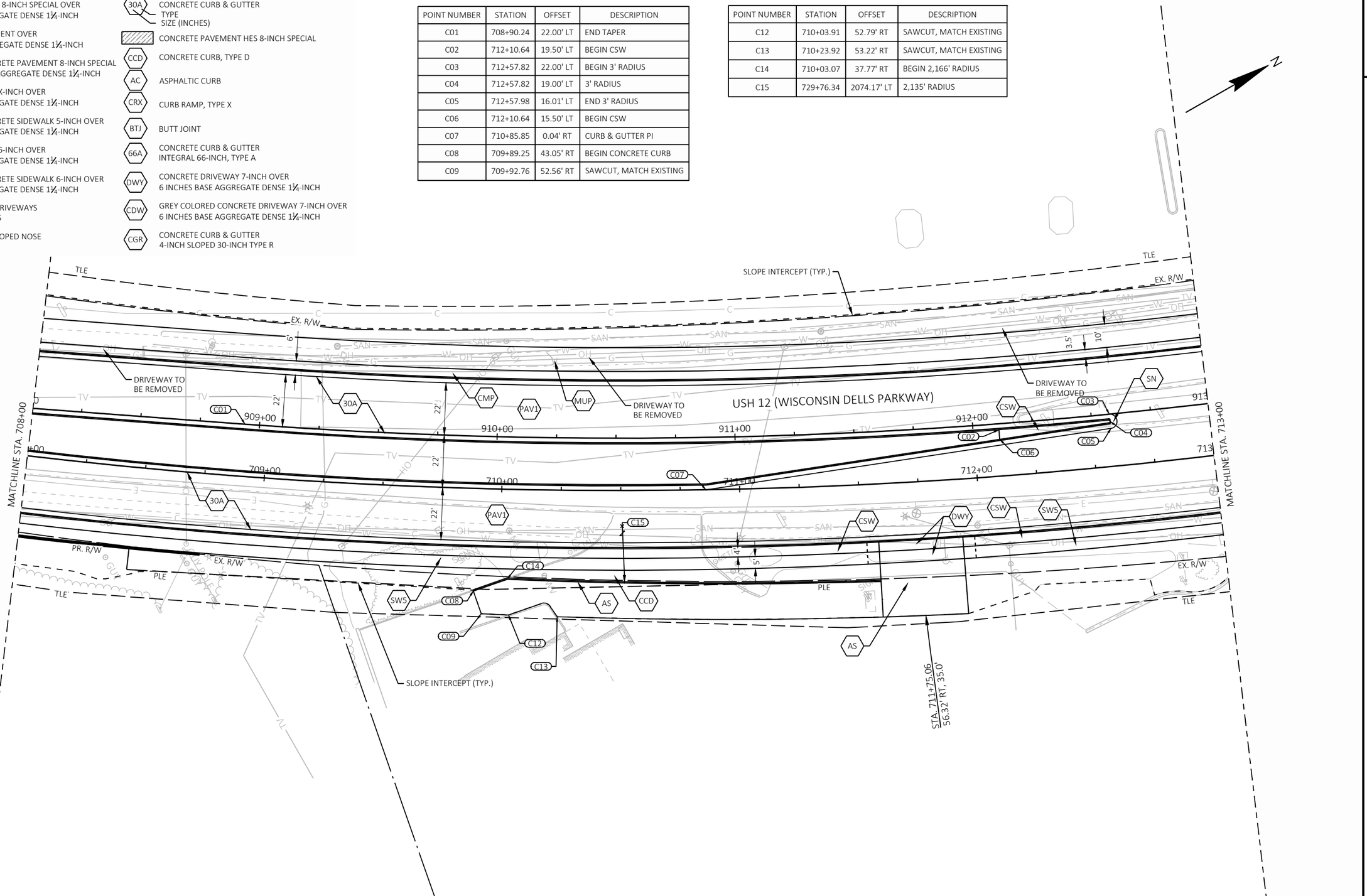
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LAYOUT NAME - 021204_pd
PLOT DATE : 6/19/2025 12:33 PM PLOT BY : BARRETT, WILL PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

LEGEND

- PAV1 — CONCRETE PAVEMENT 8-INCH SPECIAL OVER 6 INCHES BASE AGGREGATE DENSE 1¼-INCH
- PAV2 — 4-INCHES HMA PAVEMENT OVER 12-INCHES BASE AGGREGATE DENSE 1¼-INCH
- PAV3 — GREY COLORED CONCRETE PAVEMENT 8-INCH SPECIAL OVER 6 INCHES BASE AGGREGATE DENSE 1¼-INCH
- SWX — CONCRETE SIDEWALK X-INCH OVER 4 INCHES BASE AGGREGATE DENSE 1¼-INCH
- CSW — GREY COLORED CONCRETE SIDEWALK 5-INCH OVER 4 INCHES BASE AGGREGATE DENSE 1¼-INCH
- MUP — CONCRETE SIDEWALK 6-INCH OVER 6 INCHES BASE AGGREGATE DENSE 1¼-INCH
- CMP — GREY COLORED CONCRETE SIDEWALK 6-INCH OVER 6 INCHES BASE AGGREGATE DENSE 1¼-INCH
- AS — ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
- SN — CONCRETE MEDIAN SLOPED NOSE
- 30A — CONCRETE CURB & GUTTER, TYPE (SIZE (INCHES))
- CONCRETE PAVEMENT HES 8-INCH SPECIAL
- CCD — CONCRETE CURB, TYPE D
- AC — ASPHALTIC CURB
- CRX — CURB RAMP, TYPE X
- BTJ — BUTT JOINT
- 66A — CONCRETE CURB & GUTTER INTEGRAL 66-INCH, TYPE A
- DWY — CONCRETE DRIVEWAY 7-INCH OVER 6 INCHES BASE AGGREGATE DENSE 1¼-INCH
- CDW — GREY COLORED CONCRETE DRIVEWAY 7-INCH OVER 6 INCHES BASE AGGREGATE DENSE 1¼-INCH
- CGR — CONCRETE CURB & GUTTER 4-INCH SLOPED 30-INCH TYPE R

POINT NUMBER	STATION	OFFSET	DESCRIPTION
C01	708+90.24	22.00' LT	END TAPER
C02	712+10.64	19.50' LT	BEGIN CSW
C03	712+57.82	22.00' LT	BEGIN 3' RADIUS
C04	712+57.82	19.00' LT	3' RADIUS
C05	712+57.98	16.01' LT	END 3' RADIUS
C06	712+10.64	15.50' LT	BEGIN CSW
C07	710+85.85	0.04' RT	CURB & GUTTER PI
C08	709+89.25	43.05' RT	BEGIN CONCRETE CURB
C09	709+92.76	52.56' RT	SAWCUT, MATCH EXISTING

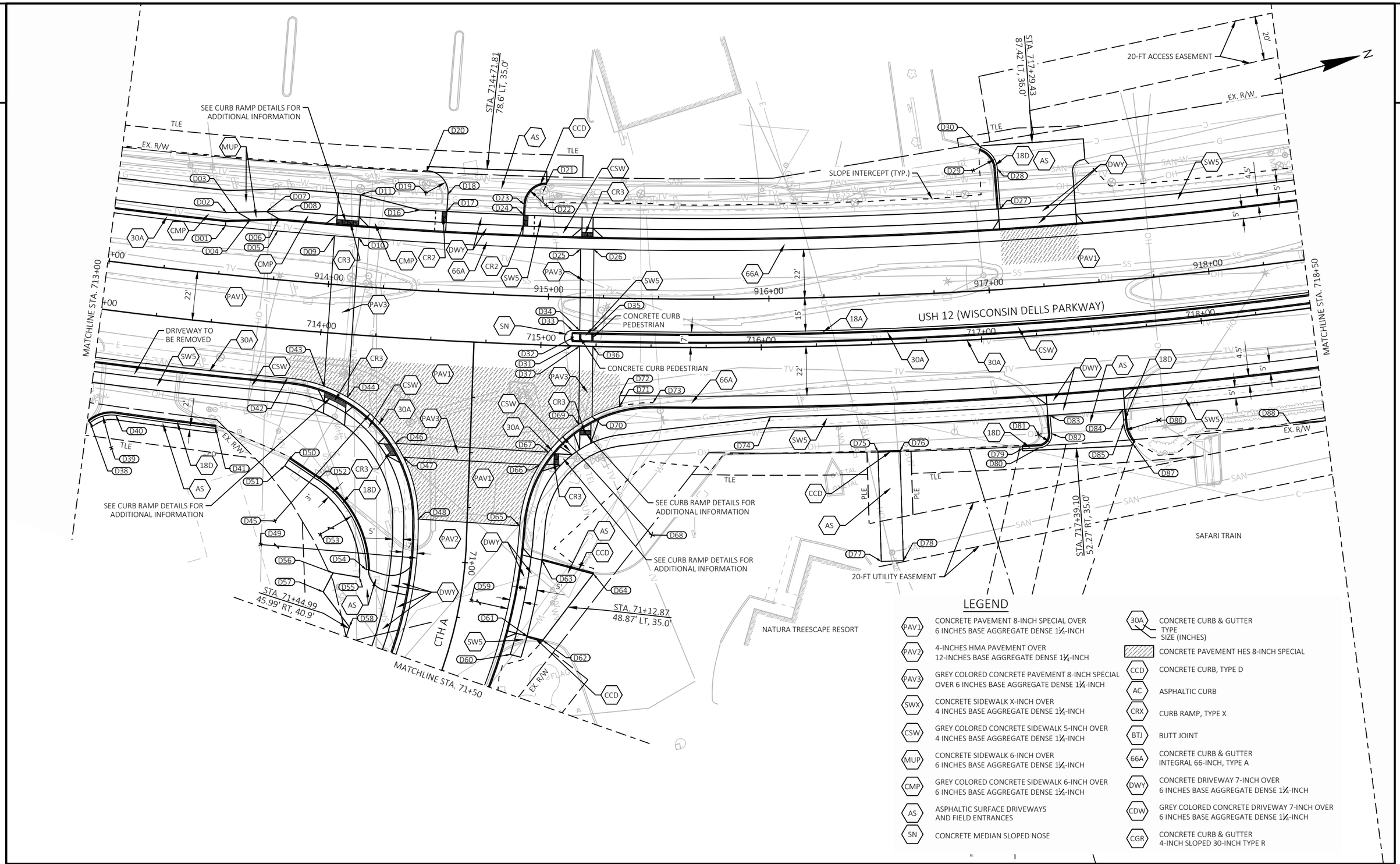
POINT NUMBER	STATION	OFFSET	DESCRIPTION
C12	710+03.91	52.79' RT	SAWCUT, MATCH EXISTING
C13	710+23.92	53.22' RT	SAWCUT, MATCH EXISTING
C14	710+03.07	37.77' RT	BEGIN 2,166' RADIUS
C15	729+76.34	2074.17' LT	2,135' RADIUS



PROJECT NO: 6145-01-74	HWY: USH 12	COUNTY: SAUK	PLAN DETAILS	SHEET 137	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-74\021201_PD.DWG
LAYOUT NAME - 021205_pd
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PLOT BY : BARRETT, WILL
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2



LEGEND

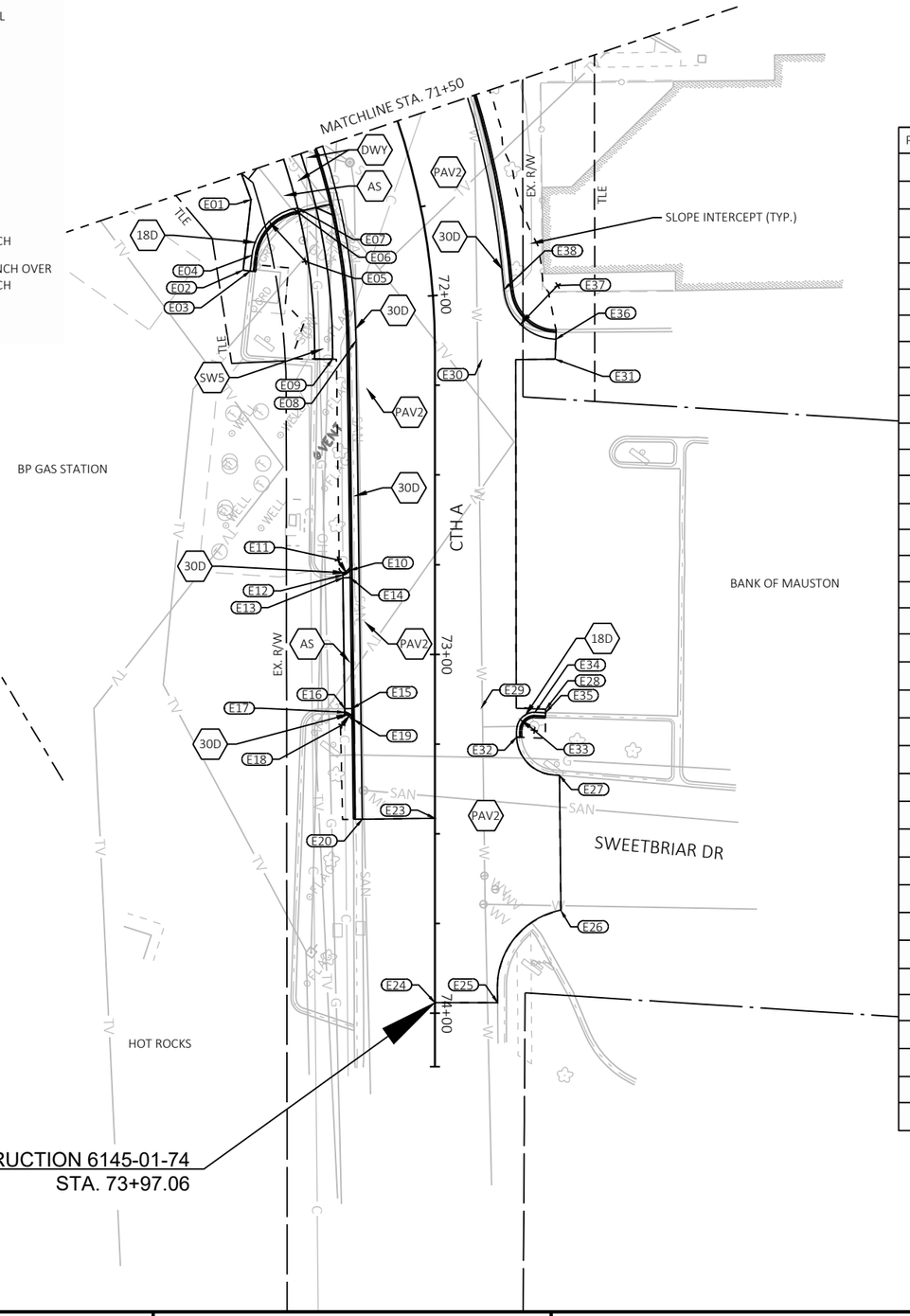
PAV1	CONCRETE PAVEMENT 8-INCH SPECIAL OVER 6 INCHES BASE AGGREGATE DENSE 1¼-INCH
PAV2	4-INCHES HMA PAVEMENT OVER 12-INCHES BASE AGGREGATE DENSE 1¼-INCH
PAV3	GREY COLORED CONCRETE PAVEMENT 8-INCH SPECIAL OVER 6 INCHES BASE AGGREGATE DENSE 1¼-INCH
SWX	CONCRETE SIDEWALK X-INCH OVER 4 INCHES BASE AGGREGATE DENSE 1¼-INCH
CSW	GREY COLORED CONCRETE SIDEWALK 5-INCH OVER 4 INCHES BASE AGGREGATE DENSE 1¼-INCH
MUP	CONCRETE SIDEWALK 6-INCH OVER 6 INCHES BASE AGGREGATE DENSE 1¼-INCH
CMP	GREY COLORED CONCRETE SIDEWALK 6-INCH OVER 6 INCHES BASE AGGREGATE DENSE 1¼-INCH
AS	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
SN	CONCRETE MEDIAN SLOPED NOSE
30A	CONCRETE CURB & GUTTER TYPE SIZE (INCHES)
	CONCRETE PAVEMENT HES 8-INCH SPECIAL
CCD	CONCRETE CURB, TYPE D
AC	ASPHALTIC CURB
CRX	CURB RAMP, TYPE X
BTJ	BUTT JOINT
66A	CONCRETE CURB & GUTTER INTEGRAL 66-INCH, TYPE A
DWY	CONCRETE DRIVEWAY 7-INCH OVER 6 INCHES BASE AGGREGATE DENSE 1¼-INCH
CDW	GREY COLORED CONCRETE DRIVEWAY 7-INCH OVER 6 INCHES BASE AGGREGATE DENSE 1¼-INCH
CGR	CONCRETE CURB & GUTTER 4-INCH SLOPED 30-INCH TYPE R

POINT NUMBER	STATION	OFFSET	DESCRIPTION
D01	713+51.95	44.00' LT	BEGIN CURB & GUTTER TAPER
D02	713+51.66	50.00' LT	SIDEWALK PI
D03	713+56.98	50.68' LT	SIDEWALK PI
D04	713+63.04	47.91' LT	SIDEWALK PI
D05	713+76.28	44.00' LT	END CURB & GUTTER TAPER
D06	713+76.33	49.50' LT	SIDEWALK PI
D07	713+70.28	52.32' LT	SIDEWALK PI
D08	713+80.37	53.50' LT	SIDEWALK PI
D09	714+02.71	44.00' LT	END PAV1, BEGIN PAV3
D10	714+13.95	44.00' LT	END PAV3, BEGIN PAV1
D11	714+13.33	63.50' LT	SIDEWALK PI
D16	714+41.27	58.50' LT	SIDEWALK PI
D17	714+54.01	58.50' LT	END CURB & GUTTER
D18	714+54.06	66.32' LT	END 10' RADIUS
D19	714+43.74	66.36' LT	10' RADIUS
D20	714+43.65	76.36' LT	SAWCUT, MATCH EXISTING, BEGIN CURB & GUTTER, BEGIN 10' RADIUS
D21	715+00.09	73.28' LT	END 10' RADIUS, END CURB & GUTTER, SAWCUT, MATCH EXISTING
D22	715+00.24	63.28' LT	10' RADIUS
D23	714+89.93	63.37' LT	BEGIN 10' RADIUS
D24	714+89.90	58.50' LT	BEGIN CURB & GUTTER
D25	715+16.88	44.00' LT	END PAV1, BEGIN PAV3
D26	715+23.01	44.00' LT	END PAV3, BEGIN PAV1
D27	717+12.36	58.50' LT	BEGIN CURB & GUTTER
D28	717+12.13	76.78' LT	BEGIN 11' RADIUS
D29	717+00.72	76.62' LT	11' RADIUS
D30	717+04.89	86.86' LT	END 11' RADIUS, END CURB & GUTTER, SAWCUT, MATCH EXISTING
D31	715+14.06	0.00'	BEGIN 4' RADIUS
D32	715+14.06	3.50' LT	4' RADIUS
D33	715+14.06	7.00' LT	END 4' RADIUS
D34	715+17.46	7.00' LT	END PAV1, BEGIN PAV3
D35	715+23.48	7.00' LT	END PAV3, BEGIN PAV1
D36	715+23.57	0.00'	END PAV3, BEGIN PAV1
D37	715+17.57	0.00'	END PAV1, BEGIN PAV3
D38	713+01.41	51.76' RT	SAWCUT, MATCH EXISTING, BEGIN CURB & GUTTER, BEGIN 15' RADIUS
D39	713+12.11	61.98' RT	15' RADIUS
D40	713+12.38	46.98' RT	END 15' RADIUS
D41	713+56.96	47.81' RT	SAWCUT, MATCH EXISTING, END CURB & GUTTER
D42	713+86.66	22.00' RT	BEGIN 65' RADIUS
D43	714+03.40	24.31' RT	END PAV1, BEGIN PAV3
D44	714+14.30	28.52' RT	END PAV3, BEGIN PAV1
D45	713+86.66	87.00' RT	65' RADIUS
D46	714+36.95	47.83' RT	END PAV1, BEGIN PAV3
D47	714+40.76	53.80' RT	END PAV1, BEGIN PAV3
D48	70+81.15	22.24' RT	END 65' RADIUS, BEGIN 178' RADIUS, END PAV1 BEGIN PAV2, BEGIN 178' RADIUS
D49	70+90.30	200.00' RT	178' RADIUS

POINT NUMBER	STATION	OFFSET	DESCRIPTION
D50	70+56.78	82.09' RT	SAWCUT, MATCH EXISTING, BEGIN CURB & GUTTER
D51	70+59.34	83.66' RT	SAWCUT, MATCH EXISTING
D52	70+65.08	68.59' RT	BEGIN 50' RADIUS
D53	71+23.02	93.38' RT	50' RADIUS
D54	71+09.11	44.19' RT	END 50' RADIUS, END CURB & GUTTER
D55	71+14.12	46.73' RT	END 47' RADIUS, SAWCUT, MATCH EXISTING
D56	71+14.02	58.86' RT	SAWCUT, MATCH EXISTING
D57	71+27.33	61.63' RT	SAWCUT, MATCH EXISTING
D58	71+43.95	45.99' RT	SAWCUT, MATCH EXISTING
D59	70+74.98	225.93' RT	250' RADIUS
D60	71+35.07	27.65' LT	SAWCUT, MATCH EXISTING
D61	71+26.47	33.03' LT	BEGIN CONCRETE CURB
D62	71+26.71	40.36' LT	END CONCRETE CURB
D63	70+96.48	34.70' LT	BEGIN CONCRETE CURB
D64	71+00.00	58.48' LT	END CONCRETE CURB
D65	70+82.40	23.96' LT	END 250' RADIUS, BEGIN 60' RADIUS, END 250' RADIUS, END PAV2 BEGIN PAV1
D66	715+01.15	54.40' RT	END PAV1, BEGIN PAV3
D67	715+04.96	48.50' RT	END PAV3, BEGIN PAV1
D68	715+51.13	85.00' RT	60' RADIUS
D69	715+18.10	35.54' RT	END PAV1, BEGIN PAV3
D70	715+23.96	31.89' RT	END PAV3, BEGIN PAV1
D71	715+36.15	27.00' RT	END 60' RADIUS
D72	715+36.15	22.00' RT	CURB & GUTTER PI
D73	715+51.13	25.00' RT	END 60' RADIUS
D74	716+03.69	31.50' RT	SIDEWALK PI
D75	716+51.16	48.78' RT	BEGIN CONCRETE CURB
D76	716+60.94	48.90' RT	BEGIN CONCRETE CURB
D77	716+50.85	98.38' RT	SAWCUT, MATCH EXISTING
D78	716+60.41	98.46' RT	SAWCUT, MATCH EXISTING
D79	717+15.19	50.64' RT	SAWCUT, MATCH EXISTING, BEGIN CURB & GUTTER
D80	717+22.57	50.80' RT	BEGIN 6' RADIUS
D81	717+22.71	44.81' RT	6' RADIUS
D82	717+28.59	44.72' RT	END 6' RADIUS
D83	717+28.48	36.50' RT	END CURB & GUTTER
D84	717+60.94	36.50' RT	SAWCUT, MATCH EXISTING, BEGIN CURB & GUTTER
D85	717+60.91	42.66' RT	BEGIN 16' RADIUS
D86	717+76.60	42.78' RT	16' RADIUS
D87	717+64.06	52.36' RT	END 16' RADIUS, END CURB & GUTTER, SAWCUT, MATCH EXISTING
D88	718+34.18	50.65' RT	SAWCUT, MATCH EXISTING

LEGEND

- PAV1 — CONCRETE PAVEMENT 8-INCH SPECIAL OVER 6 INCHES BASE AGGREGATE DENSE 1¼-INCH
- PAV2 — 4-INCHES HMA PAVEMENT OVER 12-INCHES BASE AGGREGATE DENSE 1¼-INCH
- PAV3 — GREY COLORED CONCRETE PAVEMENT 8-INCH SPECIAL OVER 6 INCHES BASE AGGREGATE DENSE 1¼-INCH
- SWX — CONCRETE SIDEWALK X-INCH OVER 4 INCHES BASE AGGREGATE DENSE 1¼-INCH
- CSW — GREY COLORED CONCRETE SIDEWALK 5-INCH OVER 4 INCHES BASE AGGREGATE DENSE 1¼-INCH
- MUP — CONCRETE SIDEWALK 6-INCH OVER 6 INCHES BASE AGGREGATE DENSE 1¼-INCH
- CMP — GREY COLORED CONCRETE SIDEWALK 6-INCH OVER 6 INCHES BASE AGGREGATE DENSE 1¼-INCH
- AS — ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
- SN — CONCRETE MEDIAN SLOPED NOSE
- 30A — CONCRETE CURB & GUTTER (TYPE / SIZE (INCHES))
- CONCRETE PAVEMENT HES 8-INCH SPECIAL
- CCD — CONCRETE CURB, TYPE D
- AC — ASPHALTIC CURB
- CRX — CURB RAMP, TYPE X
- BTJ — BUTT JOINT
- 66A — CONCRETE CURB & GUTTER INTEGRAL 66-INCH, TYPE A
- DWY — CONCRETE DRIVEWAY 7-INCH OVER 6 INCHES BASE AGGREGATE DENSE 1¼-INCH
- CDW — GREY COLORED CONCRETE DRIVEWAY 7-INCH OVER 6 INCHES BASE AGGREGATE DENSE 1¼-INCH
- CGR — CONCRETE CURB & GUTTER 4-INCH SLOPED 30-INCH TYPE R



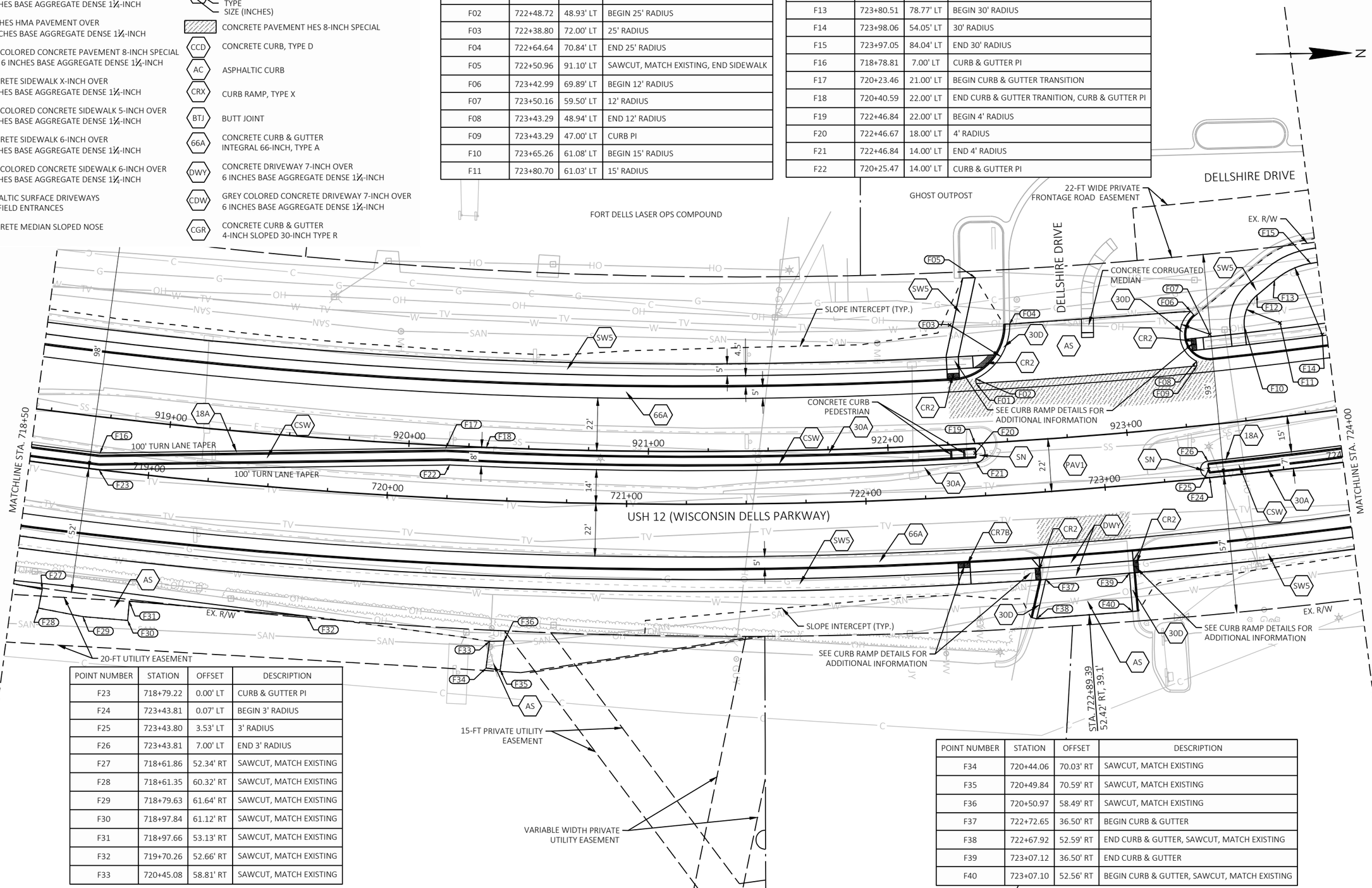
POINT NUMBER	STATION	OFFSET	DESCRIPTION
E01	71+60.30	45.51' RT	SAWCUT, MATCH EXISTING
E02	71+85.09	51.83' RT	SAWCUT, MATCH EXISTING
E03	71+85.78	49.90' RT	SAWCUT, MATCH EXISTING, BEGIN CURB & GUTTER
E04	71+80.17	48.71' RT	BEGIN 15' RADIUS
E05	71+85.30	34.28' RT	15' RADIUS
E06	71+67.17	34.72' RT	END 15' RADIUS
E07	71+67.17	33.50' RT	BEGIN CURB & GUTTER
E08	72+12.34	22.00' RT	BEGIN 178' RADIUS
E09	72+17.71	28.50' RT	SAWCUT, MATCH EXISTING, END SIDEWALK
E10	72+76.57	23.66' RT	END 4.3' RADIUS, END CURB & GUTTER
E11	72+73.72	26.94' RT	4.3' RADIUS
E12	72+77.86	25.65' RT	BEGIN 4.3' RADIUS
E13	72+78.68	25.63' RT	SAWCUT, MATCH EXISTING, BEGIN CURB & GUTTER
E14	72+78.65	23.63' RT	GUTTER PI
E15	73+15.12	23.15' RT	GUTTER PI
E16	73+15.15	25.15' RT	END CURB & GUTTER
E17	73+16.16	25.13' RT	END 3.6' RADIUS
E18	73+19.70	25.90' RT	3.6' RADIUS
E19	73+18.18	22.61' RT	BEGIN CURB & GUTTER, BEGIN 3.6' RADIUS
E20	73+45.94	20.24' RT	SAWCUT, MATCH EXISTING, BEGIN CURB & GUTTER
E23	73+45.67	0.00'	SAWCUT, MATCH EXISTING
E24	73+97.06	0.00'	SAWCUT, MATCH EXISTING
E25	73+97.06	17.47' LT	SAWCUT, MATCH EXISTING
E26	73+71.38	35.12' LT	SAWCUT, MATCH EXISTING
E27	73+33.73	34.73' LT	SAWCUT, MATCH EXISTING
E28	73+15.26	30.91' LT	SAWCUT, MATCH EXISTING
E29	73+14.81	13.00' LT	SAWCUT, MATCH EXISTING
E30	72+18.01	13.00' LT	SAWCUT, MATCH EXISTING
E31	72+17.71	33.53' LT	SAWCUT, MATCH EXISTING
E32	73+23.10	22.76' LT	SAWCUT, MATCH EXISTING, BEGIN CURB & GUTTER. BEGIN 5' RADIUS
E33	73+21.18	27.74' LT	5' RADIUS
E34	73+16.18	27.84' LT	END 5' RADIUS
E35	73+16.26	30.88' LT	SAWCUT, MATCH EXISTING, END CURB & GUTTER
E36	72+12.57	33.73' LT	SAWCUT, MATCH EXISTING, BEGIN CURB & GUTTER. BEGIN 15' RADIUS
E37	71+99.81	34.88' LT	15' RADIUS
E38	71+99.83	19.88' LT	END 15' RADIUS, BEGIN 205' RADIUS

LEGEND

- PAV1 — CONCRETE PAVEMENT 8-INCH SPECIAL OVER 6 INCHES BASE AGGREGATE DENSE 1¼-INCH
- PAV2 — 4-INCHES HMA PAVEMENT OVER 12-INCHES BASE AGGREGATE DENSE 1¼-INCH
- PAV3 — GREY COLORED CONCRETE PAVEMENT 8-INCH SPECIAL OVER 6 INCHES BASE AGGREGATE DENSE 1¼-INCH
- SWX — CONCRETE SIDEWALK X-INCH OVER 4 INCHES BASE AGGREGATE DENSE 1¼-INCH
- CSW — GREY COLORED CONCRETE SIDEWALK 5-INCH OVER 4 INCHES BASE AGGREGATE DENSE 1¼-INCH
- MUP — CONCRETE SIDEWALK 6-INCH OVER 6 INCHES BASE AGGREGATE DENSE 1¼-INCH
- CMP — GREY COLORED CONCRETE SIDEWALK 6-INCH OVER 6 INCHES BASE AGGREGATE DENSE 1¼-INCH
- AS — ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
- SN — CONCRETE MEDIAN SLOPED NOSE
- 30A — CONCRETE CURB & GUTTER TYPE SIZE (INCHES)
- CONCRETE PAVEMENT HES 8-INCH SPECIAL
- CCD — CONCRETE CURB, TYPE D
- AC — ASPHALTIC CURB
- CRX — CURB RAMP, TYPE X
- BTJ — BUTT JOINT
- 66A — CONCRETE CURB & GUTTER INTEGRAL 66-INCH, TYPE A
- DWY — CONCRETE DRIVEWAY 7-INCH OVER 6 INCHES BASE AGGREGATE DENSE 1¼-INCH
- CDW — GREY COLORED CONCRETE DRIVEWAY 7-INCH OVER 6 INCHES BASE AGGREGATE DENSE 1¼-INCH
- CGR — CONCRETE CURB & GUTTER 4-INCH SLOPED 30-INCH TYPE R

POINT NUMBER	STATION	OFFSET	DESCRIPTION
F01	722+48.72	47.00' LT	CURB PI
F02	722+48.72	48.93' LT	BEGIN 25' RADIUS
F03	722+38.80	72.00' LT	25' RADIUS
F04	722+64.64	70.84' LT	END 25' RADIUS
F05	722+50.96	91.10' LT	SAWCUT, MATCH EXISTING, END SIDEWALK
F06	723+42.99	69.89' LT	BEGIN 12' RADIUS
F07	723+50.16	59.50' LT	12' RADIUS
F08	723+43.29	48.94' LT	END 12' RADIUS
F09	723+43.29	47.00' LT	CURB PI
F10	723+65.26	61.08' LT	BEGIN 15' RADIUS
F11	723+80.70	61.03' LT	15' RADIUS

POINT NUMBER	STATION	OFFSET	DESCRIPTION
F12	723+72.28	73.62' LT	END 15' RADIUS
F13	723+80.51	78.77' LT	BEGIN 30' RADIUS
F14	723+98.06	54.05' LT	30' RADIUS
F15	723+97.05	84.04' LT	END 30' RADIUS
F16	718+78.81	7.00' LT	CURB & GUTTER PI
F17	720+23.46	21.00' LT	BEGIN CURB & GUTTER TRANSITION
F18	720+40.59	22.00' LT	END CURB & GUTTER TRANITION, CURB & GUTTER PI
F19	722+46.84	22.00' LT	BEGIN 4' RADIUS
F20	722+46.67	18.00' LT	4' RADIUS
F21	722+46.84	14.00' LT	END 4' RADIUS
F22	720+25.47	14.00' LT	CURB & GUTTER PI

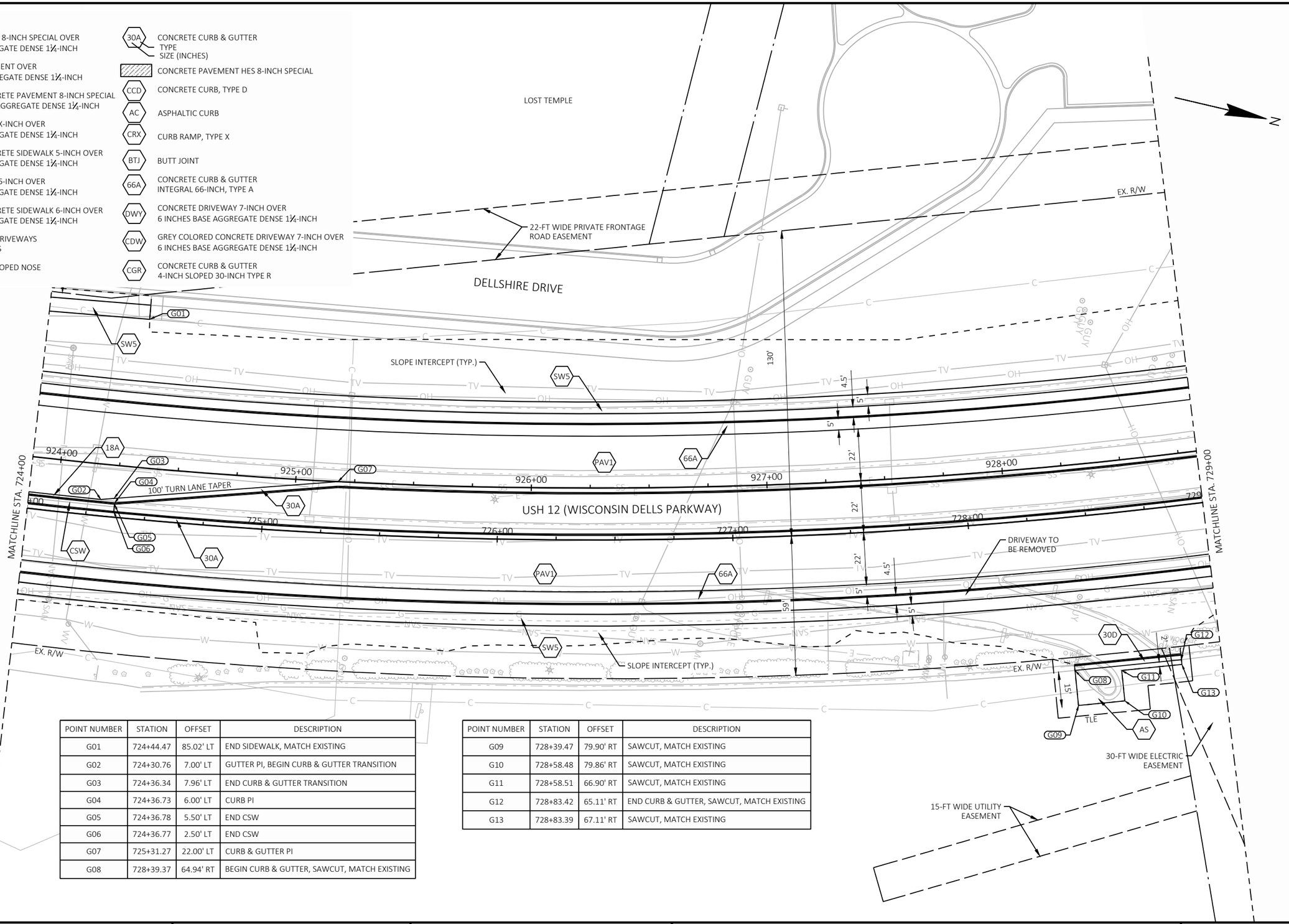


POINT NUMBER	STATION	OFFSET	DESCRIPTION
F23	718+79.22	0.00' LT	CURB & GUTTER PI
F24	723+43.81	0.07' LT	BEGIN 3' RADIUS
F25	723+43.80	3.53' LT	3' RADIUS
F26	723+43.81	7.00' LT	END 3' RADIUS
F27	718+61.86	52.34' RT	SAWCUT, MATCH EXISTING
F28	718+61.35	60.32' RT	SAWCUT, MATCH EXISTING
F29	718+79.63	61.64' RT	SAWCUT, MATCH EXISTING
F30	718+97.84	61.12' RT	SAWCUT, MATCH EXISTING
F31	718+97.66	53.13' RT	SAWCUT, MATCH EXISTING
F32	719+70.26	52.66' RT	SAWCUT, MATCH EXISTING
F33	720+45.08	58.81' RT	SAWCUT, MATCH EXISTING

POINT NUMBER	STATION	OFFSET	DESCRIPTION
F34	720+44.06	70.03' RT	SAWCUT, MATCH EXISTING
F35	720+49.84	70.59' RT	SAWCUT, MATCH EXISTING
F36	720+50.97	58.49' RT	SAWCUT, MATCH EXISTING
F37	722+72.65	36.50' RT	BEGIN CURB & GUTTER
F38	722+67.92	52.59' RT	END CURB & GUTTER, SAWCUT, MATCH EXISTING
F39	723+07.12	36.50' RT	END CURB & GUTTER
F40	723+07.10	52.56' RT	BEGIN CURB & GUTTER, SAWCUT, MATCH EXISTING

LEGEND

- PAV1 — CONCRETE PAVEMENT 8-INCH SPECIAL OVER 6 INCHES BASE AGGREGATE DENSE 1¼-INCH
- PAV2 — 4-INCHES HMA PAVEMENT OVER 12-INCHES BASE AGGREGATE DENSE 1¼-INCH
- PAV3 — GREY COLORED CONCRETE PAVEMENT 8-INCH SPECIAL OVER 6 INCHES BASE AGGREGATE DENSE 1¼-INCH
- SWX — CONCRETE SIDEWALK X-INCH OVER 4 INCHES BASE AGGREGATE DENSE 1¼-INCH
- CSW — GREY COLORED CONCRETE SIDEWALK 5-INCH OVER 4 INCHES BASE AGGREGATE DENSE 1¼-INCH
- MUP — CONCRETE SIDEWALK 6-INCH OVER 6 INCHES BASE AGGREGATE DENSE 1¼-INCH
- CMP — GREY COLORED CONCRETE SIDEWALK 6-INCH OVER 6 INCHES BASE AGGREGATE DENSE 1¼-INCH
- AS — ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
- SN — CONCRETE MEDIAN SLOPED NOSE
- 30A — CONCRETE CURB & GUTTER TYPE SIZE (INCHES)
- CONCRETE PAVEMENT HES 8-INCH SPECIAL
- CCD — CONCRETE CURB, TYPE D
- AC — ASPHALTIC CURB
- CRX — CURB RAMP, TYPE X
- BTJ — BUTT JOINT
- 66A — CONCRETE CURB & GUTTER INTEGRAL 66-INCH, TYPE A
- DWY — CONCRETE DRIVEWAY 7-INCH OVER 6 INCHES BASE AGGREGATE DENSE 1¼-INCH
- CDW — GREY COLORED CONCRETE DRIVEWAY 7-INCH OVER 6 INCHES BASE AGGREGATE DENSE 1¼-INCH
- CGR — CONCRETE CURB & GUTTER 4-INCH SLOPED 30-INCH TYPE R

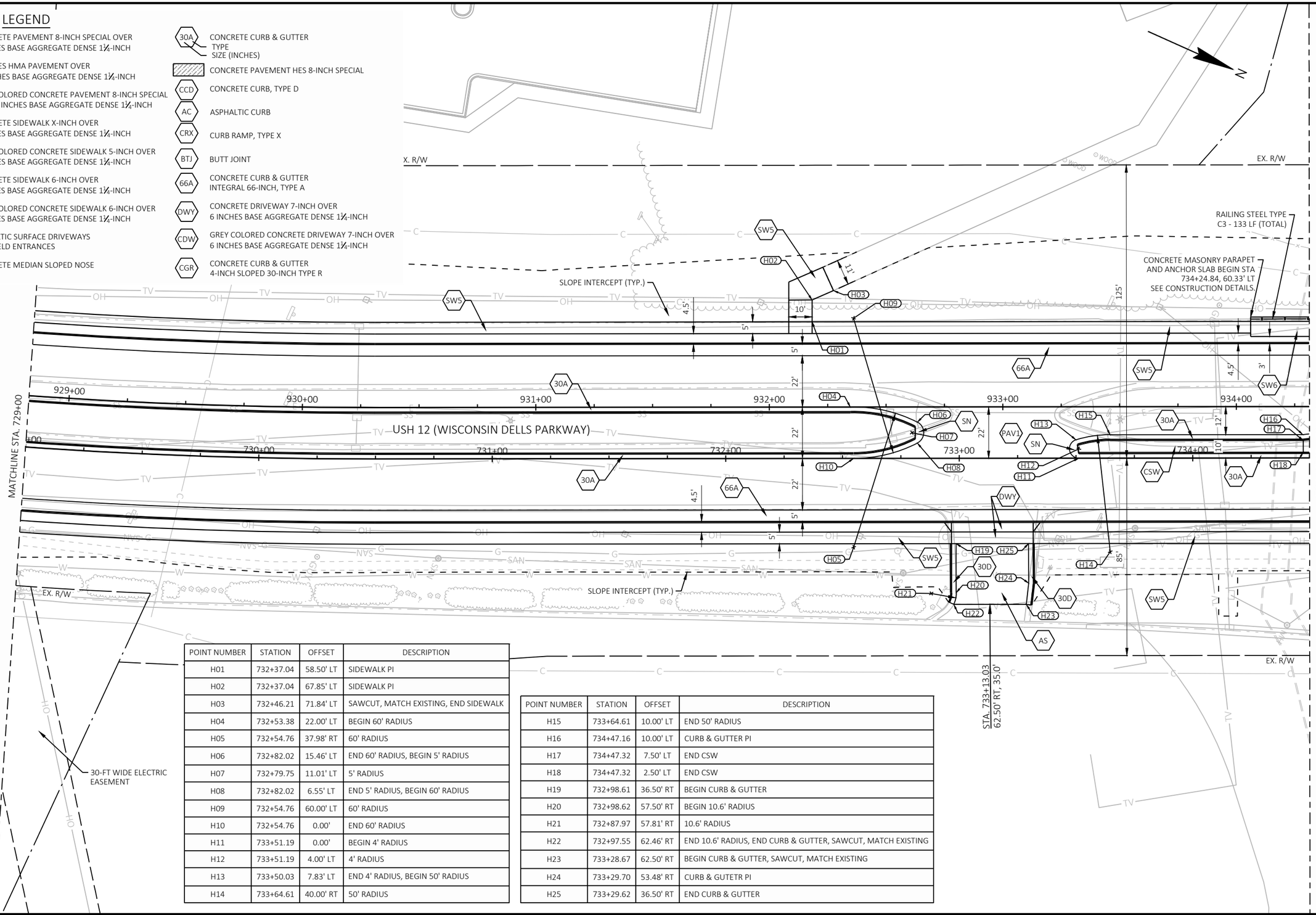


POINT NUMBER	STATION	OFFSET	DESCRIPTION
G01	724+44.47	85.02' LT	END SIDEWALK, MATCH EXISTING
G02	724+30.76	7.00' LT	GUTTER PI, BEGIN CURB & GUTTER TRANSITION
G03	724+36.34	7.96' LT	END CURB & GUTTER TRANSITION
G04	724+36.73	6.00' LT	CURB PI
G05	724+36.78	5.50' LT	END CSW
G06	724+36.77	2.50' LT	END CSW
G07	725+31.27	22.00' LT	CURB & GUTTER PI
G08	728+39.37	64.94' RT	BEGIN CURB & GUTTER, SAWCUT, MATCH EXISTING

POINT NUMBER	STATION	OFFSET	DESCRIPTION
G09	728+39.47	79.90' RT	SAWCUT, MATCH EXISTING
G10	728+58.48	79.86' RT	SAWCUT, MATCH EXISTING
G11	728+58.51	66.90' RT	SAWCUT, MATCH EXISTING
G12	728+83.42	65.11' RT	END CURB & GUTTER, SAWCUT, MATCH EXISTING
G13	728+83.39	67.11' RT	SAWCUT, MATCH EXISTING

LEGEND

- PAV1 — CONCRETE PAVEMENT 8-INCH SPECIAL OVER 6 INCHES BASE AGGREGATE DENSE 1¼-INCH
- PAV2 — 4-INCHES HMA PAVEMENT OVER 12-INCHES BASE AGGREGATE DENSE 1¼-INCH
- PAV3 — GREY COLORED CONCRETE PAVEMENT 8-INCH SPECIAL OVER 6 INCHES BASE AGGREGATE DENSE 1¼-INCH
- SWX — CONCRETE SIDEWALK X-INCH OVER 4 INCHES BASE AGGREGATE DENSE 1¼-INCH
- CSW — GREY COLORED CONCRETE SIDEWALK 5-INCH OVER 4 INCHES BASE AGGREGATE DENSE 1¼-INCH
- MUP — CONCRETE SIDEWALK 6-INCH OVER 6 INCHES BASE AGGREGATE DENSE 1¼-INCH
- CMP — GREY COLORED CONCRETE SIDEWALK 6-INCH OVER 6 INCHES BASE AGGREGATE DENSE 1¼-INCH
- AS — ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
- SN — CONCRETE MEDIAN SLOPED NOSE
- 30A — CONCRETE CURB & GUTTER, TYPE, SIZE (INCHES)
- CONCRETE PAVEMENT HES 8-INCH SPECIAL
- CCD — CONCRETE CURB, TYPE D
- AC — ASPHALTIC CURB
- CRX — CURB RAMP, TYPE X
- BTJ — BUTT JOINT
- 66A — CONCRETE CURB & GUTTER INTEGRAL 66-INCH, TYPE A
- DWY — CONCRETE DRIVEWAY 7-INCH OVER 6 INCHES BASE AGGREGATE DENSE 1¼-INCH
- CDW — GREY COLORED CONCRETE DRIVEWAY 7-INCH OVER 6 INCHES BASE AGGREGATE DENSE 1¼-INCH
- CGR — CONCRETE CURB & GUTTER 4-INCH SLOPED 30-INCH TYPE R



POINT NUMBER	STATION	OFFSET	DESCRIPTION
H01	732+37.04	58.50' LT	SIDEWALK PI
H02	732+37.04	67.85' LT	SIDEWALK PI
H03	732+46.21	71.84' LT	SAWCUT, MATCH EXISTING, END SIDEWALK
H04	732+53.38	22.00' LT	BEGIN 60' RADIUS
H05	732+54.76	37.98' RT	60' RADIUS
H06	732+82.02	15.46' LT	END 60' RADIUS, BEGIN 5' RADIUS
H07	732+79.75	11.01' LT	5' RADIUS
H08	732+82.02	6.55' LT	END 5' RADIUS, BEGIN 60' RADIUS
H09	732+54.76	60.00' LT	60' RADIUS
H10	732+54.76	0.00'	END 60' RADIUS
H11	733+51.19	0.00'	BEGIN 4' RADIUS
H12	733+51.19	4.00' LT	4' RADIUS
H13	733+50.03	7.83' LT	END 4' RADIUS, BEGIN 50' RADIUS
H14	733+64.61	40.00' RT	50' RADIUS

POINT NUMBER	STATION	OFFSET	DESCRIPTION
H15	733+64.61	10.00' LT	END 50' RADIUS
H16	734+47.16	10.00' LT	CURB & GUTTER PI
H17	734+47.32	7.50' LT	END CSW
H18	734+47.32	2.50' LT	END CSW
H19	732+98.61	36.50' RT	BEGIN CURB & GUTTER
H20	732+98.62	57.50' RT	BEGIN 10.6' RADIUS
H21	732+87.97	57.81' RT	10.6' RADIUS
H22	732+97.55	62.46' RT	END 10.6' RADIUS, END CURB & GUTTER, SAWCUT, MATCH EXISTING
H23	733+28.67	62.50' RT	BEGIN CURB & GUTTER, SAWCUT, MATCH EXISTING
H24	733+29.70	53.48' RT	CURB & GUTETR PI
H25	733+29.62	36.50' RT	END CURB & GUTTER

2

EX. R/W

25-FT X 44-FT LIFT STATION EASEMENT

CONCRETE MASONRY PARAPET AND ANCHOR SLAB END STA 735+57.42, 60.33' LT SEE CONSTRUCTION DETAILS.

RAILING STEEL TYPE C3 - 133 LF (TOTAL)

TLE

SLOPE INTERCEPT (TYP.)

VARIABLE WIDTH SANITARY SEWER EASEMENT

MCDONALD'S

TWO 10-FT WIDE SANITARY SEWER EASEMENT

STA 738+40.97 104.79' LT, 35.0'

WALGREENS

LIGHT POLE & BASE TO REMAIN

PLE

PR. R/W

EX. R/W

USH 12 (WISCONSIN DELLS PARKWAY)

MATCHLINE STA. 734+50

MATCHLINE STA. 740+00

935+00

936+00

937+00

938+00

939+00

735+00

736+00

737+00

738+00

739+00

740

SIGN BRIDGE S-56-0031

SLOPE INTERCEPT (TYP.)

EX. R/W

STA 738+45.44 81.12' RT, 36.0'

DELLS BOAT TOURS

LEGEND

PAV1	CONCRETE PAVEMENT 8-INCH SPECIAL OVER 6 INCHES BASE AGGREGATE DENSE 1¼-INCH
PAV2	4-INCHES HMA PAVEMENT OVER 12-INCHES BASE AGGREGATE DENSE 1¼-INCH
PAV3	GREY COLORED CONCRETE PAVEMENT 8-INCH SPECIAL OVER 6 INCHES BASE AGGREGATE DENSE 1¼-INCH
SWX	CONCRETE SIDEWALK X-INCH OVER 4 INCHES BASE AGGREGATE DENSE 1¼-INCH
CSW	GREY COLORED CONCRETE SIDEWALK 5-INCH OVER 4 INCHES BASE AGGREGATE DENSE 1¼-INCH
MUP	CONCRETE SIDEWALK 6-INCH OVER 6 INCHES BASE AGGREGATE DENSE 1¼-INCH
CMP	GREY COLORED CONCRETE SIDEWALK 6-INCH OVER 6 INCHES BASE AGGREGATE DENSE 1¼-INCH
AS	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
SN	CONCRETE MEDIAN SLOPED NOSE
30A	CONCRETE CURB & GUTTER TYPE SIZE (INCHES)
	CONCRETE PAVEMENT HES 8-INCH SPECIAL
CCD	CONCRETE CURB, TYPE D
AC	ASPHALTIC CURB
CRX	CURB RAMP, TYPE X
BTJ	BUTT JOINT
66A	CONCRETE CURB & GUTTER INTEGRAL 66-INCH, TYPE A
DWY	CONCRETE DRIVEWAY 7-INCH OVER 6 INCHES BASE AGGREGATE DENSE 1¼-INCH
CDW	GREY COLORED CONCRETE DRIVEWAY 7-INCH OVER 6 INCHES BASE AGGREGATE DENSE 1¼-INCH
CGR	CONCRETE CURB & GUTTER 4-INCH SLOPED 30-INCH TYPE R

NOTE: SEE CURB RAMP DETAILS FOR ADDITIONAL INFORMATION.

PROJECT NO: 6145-01-74	HWY: USH 12	COUNTY: SAUK	PLAN DETAILS	SHEET 144	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-74\021201_PD.DWG
LAYOUT NAME - 021211_pd
PLOT DATE : 6/19/2025 12:34 PM
PLOT BY : BARRETT, WILL
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

POINT NUMBER	STATION	OFFSET	DESCRIPTION
I01	738+16.90	60.48' LT	GUTTER PI
I02	735+57.99	44.00' LT	END CURB & GUTTER PI
I03	735+57.61	53.50' LT	SIDEWALK PI
I04	737+81.75	54.69' LT	CURB & GUTTER PI
I05	737+81.52	57.68' LT	CURB & GUTTER PI
I06	737+99.33	62.94' LT	BEGIN 45' RADIUS
I07	737+77.97	102.54' LT	45' RADIUS
I08	738+21.24	90.18' LT	END 45' RADIUS, BEGIN 10' RADIUS
I09	738+11.62	92.93' LT	10' RADIUS
I10	738+11.34	102.93' LT	END 10' RADIUS. SAWCUT, MATCH EXISTING, END CURB & GUTTER
I11	738+58.74	104.70' LT	SAWCUT, MATCH EXISTING, BEGIN CURB & GUTTER
I12	738+58.74	87.93' LT	BEGIN 25' RADIUS
I13	738+83.74	87.93' LT	25' RADIUS
I14	738+71.42	66.17' LT	END 25' RADIUS
I15	738+70.44	64.43' LT	GUTTER PI
I16	738+37.41	63.23' LT	GUTTER PI
I17	738+37.33	65.59' LT	END 5' RADIUS
I18	738+32.55	67.06' LT	5' RADIUS
I19	738+32.73	62.06' LT	BEGIN 5' RADIUS
I20	738+28.60	61.91' LT	END 3' RADIUS
I21	738+28.49	64.91' LT	BEGIN 3' RADIUS
I22	738+26.09	66.70' LT	BEGIN 3' RADIUS
I23	738+25.63	62.80' LT	GUTTER PI
I24	738+34.56	82.62' LT	BEGIN 3' RADIUS
I25	738+37.39	81.62' LT	3' RADIUS
I26	738+40.38	81.37' LT	END 3' RADIUS
I27	737+65.65	87.64' LT	Detail Sheets
I28	735+56.27	22.00' LT	CURB & GUTTER PI
I29	736+23.83	19.56' LT	BEGIN CSW
I30	736+23.83	14.56' LT	BEGIN CSW
I31	738+13.77	24.35' LT	BEGIN 3' RADIUS
I32	738+13.87	21.35' LT	3' RADIUS
I33	738+15.25	18.68' LT	END 3' RADIUS, BEGIN 45' RADIUS
I34	737+94.62	58.67' LT	45' RADIUS
I35	737+96.25	13.70' LT	END 45' RADIUS

POINT NUMBER	STATION	OFFSET	DESCRIPTION
I36	736+23.96	12.06' LT	CURB & GUTTER PI
I37	735+22.76	0.00'	CURB & GUTTER PI
I38	735+59.07	22.01' RT	CURB & GUTTER PI
I39	736+45.66	21.70' RT	CURB & GUTTER PI
I40	736+45.65	24.72' RT	GUTTER PI
I41	736+82.75	36.07' RT	SIDEWALK PI
I42	737+48.16	37.97' RT	CURB & GUTTER PI
I43	738+03.54	49.50' RT	SIDEWALK PI
I44	738+27.38	54.50' RT	BEGIN CURB
I45	738+27.38	81.17' RT	END CURB, SAWCUT, MATCH EXISTING
I46	738+63.38	81.17' RT	BEGIN CURB, SAWCUT, MATCH EXISTING
I47	738+63.38	54.50' RT	END CURB
I48	738+39.75	11.00' LT	BEGIN 3' RADIUS
I49	738+39.73	14.01' LT	3' RADIUS
I50	738+37.79	16.28' LT	END 3' RADIUS, BEGIN 60' RADIUS
I51	737+98.74	61.83' LT	60' RADIUS
I52	738+43.87	22.29' LT	END 60' RADIUS, BEGIN 10' RADIUS
I53	738+51.40	15.71' LT	10' RADIUS
I54	738+51.03	25.70' LT	END 10' RADIUS
I55	738+60.40	26.04' LT	BEGIN 3' RADIUS
I56	738+60.51	23.04' LT	3' RADIUS
I57	738+61.88	20.38' LT	END 3' RADIUS, BEGIN 60' RADIUS
I58	738+89.38	32.95' RT	60' RADIUS
I59	738+50.14	12.44' LT	END 60' RADIUS, BEGIN 10' RADIUS
I60	738+44.84	20.96' LT	10' RADIUS
I61	738+44.78	10.98' LT	END 10' RADIUS
I62	738+85.69	11.00' LT	BEGIN 2.5' RADIUS
I63	738+85.69	13.50' LT	2.5' RADIUS
I64	738+85.13	15.94' LT	END 2.5' RADIUS, BEGIN 50' RADIUS
I65	738+95.39	33.00' RT	50' RADIUS
I66	738+95.39	17.00' LT	END 50' RADIUS
I67	739+73.11	17.00' LT	CURB & GUTTER PI

2

10-FT WIDE ROW AND UTILITY EASEMENT

EX. R/W

TLE

EX. R/W

PLE

PR R/W

STH 13

PR R/W

EX. R/W

CONCRETE CURB PEDESTRIAN

CONCRETE CURB PEDESTRIAN

END CONSTRUCTION/PROJECT 6145-01-74
STA. 742+91.59

CONCRETE CURB PEDESTRIAN

CONCRETE CURB PEDESTRIAN

CONCRETE CURB PEDESTRIAN

MATCHLINE STA. 740+00

940+00

941+00

942+00

943+00

944+00

945+00

741+00

742+00

743+00

744+00

745+00

USH 12 (WISCONSIN DELLS PARKWAY)

SLOPE INTERCEPT (TYP.)

MEXICALI ROSE/ DOCKSIDE SHOPS

NOTE: SEE CURB RAMP DETAILS FOR ADDITIONAL INFORMATION.

LEGEND

PAV1	CONCRETE PAVEMENT 8-INCH SPECIAL OVER 6 INCHES BASE AGGREGATE DENSE 1¼-INCH
PAV2	4-INCHES HMA PAVEMENT OVER 12-INCHES BASE AGGREGATE DENSE 1¼-INCH
PAV3	GREY COLORED CONCRETE PAVEMENT 8-INCH SPECIAL OVER 6 INCHES BASE AGGREGATE DENSE 1¼-INCH
SWX	CONCRETE SIDEWALK X-INCH OVER 4 INCHES BASE AGGREGATE DENSE 1¼-INCH
CSW	GREY COLORED CONCRETE SIDEWALK 5-INCH OVER 4 INCHES BASE AGGREGATE DENSE 1¼-INCH
MUP	CONCRETE SIDEWALK 6-INCH OVER 6 INCHES BASE AGGREGATE DENSE 1¼-INCH
CMP	GREY COLORED CONCRETE SIDEWALK 6-INCH OVER 6 INCHES BASE AGGREGATE DENSE 1¼-INCH
AS	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
SN	CONCRETE MEDIAN SLOPED NOSE
30A	CONCRETE CURB & GUTTER TYPE SIZE (INCHES)
	CONCRETE PAVEMENT HES 8-INCH SPECIAL
CCD	CONCRETE CURB, TYPE D
AC	ASPHALTIC CURB
CRX	CURB RAMP, TYPE X
BTJ	BUTT JOINT
66A	CONCRETE CURB & GUTTER INTEGRAL 66-INCH, TYPE A
DWY	CONCRETE DRIVEWAY 7-INCH OVER 6 INCHES BASE AGGREGATE DENSE 1¼-INCH
CDW	GREY COLORED CONCRETE DRIVEWAY 7-INCH OVER 6 INCHES BASE AGGREGATE DENSE 1¼-INCH
CGR	CONCRETE CURB & GUTTER 4-INCH SLOPED 30-INCH TYPE R

PROJECT NO: 6145-01-74	HWY: USH 12	COUNTY: SAUK	PLAN DETAILS	SHEET 146	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-74\021201_PD.DWG
LAYOUT NAME - 021212_pd

PLOT DATE : 6/19/2025 12:34 PM PLOT BY : BARRETT, WILL PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

POINT NUMBER	STATION	OFFSET	DESCRIPTION
J01	740+23.14	70.50' LT	SIDEWALK PI
J02	740+33.58	64.00' LT	BEGIN 88' RADIUS
J03	740+41.79	72.42' LT	SIDEWALK PI
J04	740+33.58	152.00' LT	88' RADIUS
J05	741+08.95	106.56' LT	SAWCUT, MATCH EXISTING, END CURB & GUTTER, END 88' RADIUS
J06	741+09.07	112.41' LT	SAWCUT, MATCH EXISTING, END SIDEWALK
J07	741+25.00	96.88' LT	SAWCUT, MATCH EXISTING
J08	741+16.41	84.58' LT	END 109' RADIUS, END CURB & GUTTER, SAWCUT, MATCH EXISTING
J09	740+31.56	153.00' LT	109' RADIUS
J10	741+07.79	75.09' LT	SAWCUT, MATCH EXISTING, BEGIN CURB & GUTTER, BEGIN 109' RADIUS
J11	741+01.37	69.29' LT	SAWCUT, MATCH EXISTING
J12	740+95.41	76.04' LT	SAWCUT, MATCH EXISTING
J13	741+21.82	57.24' LT	SAWCUT, MATCH EXISTING, END CURB & GUTTER
J14	741+33.44	59.27' LT	END 7' RADIUS
J15	741+32.24	66.16' LT	7' RADIUS
J16	741+39.20	66.87' LT	BEGIN 7' RADIUS
J17	741+37.87	80.01' LT	SAWCUT, MATCH EXISTING, BEGIN CURB & GUTTER
J18	741+41.84	80.45' LT	SAWCUT, MATCH EXISTING
J19	741+45.28	50.24' LT	SAWCUT, MATCH EXISTING
J20	741+21.97	49.75' LT	SAWCUT, MATCH EXISTING
J21	740+29.01	53.03' LT	SAWCUT, MATCH EXISTING
J22	740+28.84	28.00' LT	SAWCUT, MATCH EXISTING
J23	741+29.14	27.95' LT	SAWCUT, MATCH EXISTING
J24	741+30.25	0.10' LT	SAWCUT, MATCH EXISTING
J25	740+32.60	0.01' RT	SAWCUT, MATCH EXISTING
J26	740+32.62	22.01' RT	SAWCUT, MATCH EXISTING
J27	740+73.11	25.81' LT	CURB PI
J28	741+25.83	23.21' LT	CURB & GUTTER PI
J29	741+26.36	11.00' LT	CURB & GUTTER PI
J30	741+74.53	75.55' LT	SAWCUT, MATCH EXISTING
J31	741+83.45	76.79' LT	SAWCUT, MATCH EXISTING
J32	741+82.25	88.28' LT	END 5' RADIUS
J33	741+77.77	87.81' LT	5' RADIUS
J34	741+73.29	87.34' LT	BEGIN 5' RADIUS
J35	741+72.46	95.30' LT	SAWCUT, MATCH EXISTING, BEGIN CURB & GUTTER
J36	741+81.41	96.24' LT	SAWCUT, MATCH EXISTING, END CURB & GUTTER
J37	742+04.43	117.52' LT	SAWCUT, MATCH EXISTING, BEGIN CURB & GUTTER
J38	742+11.91	118.06' LT	SAWCUT, MATCH EXISTING, BEGIN SIDEWALK
J39	742+04.67	114.29' LT	BEGIN 50' RADIUS
J40	742+50.12	118.60' LT	50' RADIUS
J41	742+43.48	69.15' LT	END 50' RADIUS
J42	742+55.12	67.31' LT	SAWCUT, MATCH EXISTING, END CURB & GUTTER
J43	742+60.79	15.11' LT	SAWCUT, MATCH EXISTING, END CURB & GUTTER
J44	742+39.98	15.61' LT	END 5' RADIUS
J45	742+39.80	10.61' LT	5' RADIUS

POINT NUMBER	STATION	OFFSET	DESCRIPTION
J46	742+38.08	5.93' LT	BEGIN 5' RADIUS
J47	742+34.67	15.93' LT	SAWCUT, MATCH EXISTING
J48	742+34.33	0.17' LT	SAWCUT, MATCH EXISTING
J49	742+51.76	1.96' LT	SAWCUT, MATCH EXISTING, BEGIN CURB & GUTTER
J50	742+51.35	0.00'	SAWCUT, MATCH EXISTING
J51	740+57.95	38.00' RT	BEGIN 110' RADIUS
J52	740+57.95	148.00' RT	110' RADIUS
J53	740+96.45	47.63' RT	SIDEWALK PI
J54	740+95.74	49.50' RT	SIDEWALK PI
J55	741+53.54	93.58' RT	SAWCUT, MATCH EXISTING, END CURB & GUTTER
J56	741+46.14	97.75' RT	SAWCUT, MATCH EXISTING, END SIDEWALK
J57	741+64.63	87.26' RT	SAWCUT, MATCH EXISTING
J58	741+71.87	85.22' RT	SAWCUT, MATCH EXISTING
J59	741+68.89	71.75' RT	CURB & GUTTER PI
J60	741+60.13	76.00' RT	CURB & GUTTER PI
J61	740+57.95	148.00' RT	125' RADIUS
J62	741+03.54	31.61' RT	CURB & GUTTER PI, BEGIN 125' RADIUS
J63	741+05.73	22.00' RT	CURB & GUTTER PI
J64	741+57.89	22.00' RT	CURB & GUTTER PI
J65	741+73.02	39.23' RT	SAWCUT, MATCH EXISTING
J66	741+75.92	52.92' RT	SAWCUT, MATCH EXISTING
J67	741+87.21	51.62' RT	SAWCUT, MATCH EXISTING, BEGIN CURB & GUTTER
J68	741+85.68	44.66' RT	BEGIN 5' RADIUS
J69	741+90.46	43.61' RT	5' RADIUS
J70	741+95.25	42.62' RT	END 5' RADIUS
J71	741+96.74	49.62' RT	SAWCUT, MATCH EXISTING, END CURB & GUTTER
J72	741+83.22	33.51' RT	SAWCUT, MATCH EXISTING
J73	742+40.22	86.09' RT	CURB PI
J74	742+24.61	25.32' RT	CURB PI
J75	742+91.45	25.52' RT	CURB PI
J76	742+91.78	28.02' RT	CURB PI
J77	742+82.57	33.20' RT	SAWCUT, MATCH EXISTING
J78	742+64.40	47.89' RT	SAWCUT, MATCH EXISTING
J79	742+41.74	85.71' RT	CURB PI
J80	742+70.17	118.32' RT	SAWCUT, MATCH EXISTING, BEGIN CURB & GUTTER. BEGIN 59' RADIUS
J81	742+76.43	117.24' RT	SAWCUT, MATCH EXISTING, BEGIN SIDEWALK
J82	742+78.36	74.61' RT	SAWCUT, MATCH EXISTING
J83	742+65.33	67.30' RT	SAWCUT, MATCH EXISTING
J84	742+74.48	56.07' RT	SAWCUT, MATCH EXISTING
J85	742+98.16	55.19' RT	SAWCUT, MATCH EXISTING, END CURB & GUTTER. END 59' RADIUS
J86	743+36.47	103.52' RT	59' RADIUS
J87	743+24.75	50.58' RT	SIDEWALK PI
J88	743+47.51	46.03' RT	SAWCUT, MATCH EXISTING, END SIDEWALK
J89	742+49.10	80.87' LT	SAWCUT, MATCH EXISTING, END SIDEWALK

2

2

LEGEND

XXX.XX PROPOSED ELEVATION

(XXX.XX) EXISTING ELEVATION

REJECT GUTTER

N

EX. R/W

TLE

TLE

EX. R/W

SIGN

SLOPE INTERCEPT (TYP.)

BEGIN PROJECT 6145-01-73
STA. 604+98.75

604+00 605+00 606+00 607+00 608+00 609+00

(884.39) 883.80 883.22 882.58 881.87 881.10 880.27 878.78 877.85 877.85 876.88 875.39 874.41 873.93 872.94 871.95 871.01 870.07 869.14

(883.62) 883.09 882.52 881.89 881.19 880.43 879.60 878.71 877.78 877.17 876.20 875.23 874.25 873.30 872.37 871.43 870.49 869.55 868.62

(883.75) 883.31 882.73 882.11 881.41 880.65 879.82 878.93 878.00 877.39 876.42 875.45 874.47 873.52 872.59 871.65 870.71 869.77 868.84

(883.87) 883.53 882.97 882.33 881.64 880.87 880.04 879.15 878.22 877.61 876.64 875.67 874.68 873.74 872.81 871.87 870.93 869.99 869.06

(884.22) 884.19 883.54 882.91 882.25 881.55 880.81 880.03 879.22 878.37 877.48 876.56 875.62 874.68 873.74 872.81 871.87 870.93 869.99 869.06

(884.02) 883.96 883.33 882.69 882.03 881.33 880.59 879.81 879.00 878.15 877.26 876.34 875.40 874.46 873.52 872.59 871.65 870.71 869.77 868.84

(883.79) 883.73 883.11 882.47 881.81 881.11 880.37 879.59 878.78 877.93 877.04 876.12 875.18 874.24 873.31 872.37 871.41 870.49 869.55 868.62

(881.33) 880.09 879.51 878.54 877.68 876.79 875.89 873.78 872.49 872.13 871.02 870.08 869.15

11' 11' 11' 11' 4.6' 5' 6.5' 5' 5'

USH 12 (WISCONSIN DELLS PARKWAY)

MATCHLINE STA. 609+50

EX. R/W

TLE

TLE

TLE

PR. R/W

SEE CURB RAMP DETAILS FOR ADDITIONAL INFORMATION

(874.81) (873.97) (873.78) (873.38)

873.46 873.05 872.73

E. DURKEE ST

TLE

EX. R/W

SEE CURB RAMP DETAILS FOR ADDITIONAL INFORMATION

PROJECT NO: 6145-01-73	HWY: USH 12	COUNTY: SAUK	PAVING GRADES	SHEET 148	E

2

2

LEGEND

XXX.XX PROPOSED ELEVATION

(XXX.XX) EXISTING ELEVATION

REJECT GUTTER

N

EX. R/W

EX. R/W

⊙M.P.

TLE

TLE

PR. R/W

SIGN

EX. R/W

EX. R/W

⊙M.P.

PR. R/W

MATCHLINE STA. 609+50

MATCHLINE STA. 615+00

USH 12 (WISCONSIN DELLS PARKWAY)

869.14	868.31	867.63	6.5'	867.08	866.67	866.40	866.27	866.27	866.42	866.70	867.13	870.49	868.40	869.24	870.21	871.19	872.17	873.15	874.13	875.20	876.21	877.23	878.25
868.62	867.80	867.11		866.56	866.15	865.88	865.75	865.76	865.90	866.19	866.61	867.18	867.88	868.72	869.68	870.66	871.64	872.62	873.61	874.60	875.61	876.63	877.65
868.84	868.02	867.33		866.78	866.37	866.10	865.97	865.98	866.12	866.41	866.83	867.40	868.10	868.94	869.90	870.88	871.86	872.84	873.82	874.82	875.84	876.85	877.87
869.06	868.24	867.55	610+00	867.00	866.59	866.32	866.19	866.20	866.34	866.63	867.05	867.62	868.32	869.16	870.12	871.10	872.08	873.06	874.04	875.02	876.00	876.98	877.96
868.84	868.02	867.33		866.78	866.37	866.10	865.97	865.98	866.12	866.41	866.83	867.40	868.10	868.94	869.90	870.88	871.86	872.84	873.82	874.80	875.78	876.76	877.74
868.62	867.80	867.11		866.56	866.15	865.88	865.75	865.76	865.90	866.19	866.61	867.18	867.88	868.72	869.68	870.66	871.64	872.62	873.60	874.58	875.56	876.54	877.52
869.15	867.82	867.63		867.09	866.68	866.42	866.27	866.29	866.44	866.73	867.15	867.72	868.41	869.24	870.21	870.69	872.17	873.15	874.14	875.18	876.16	877.14	878.12

11'

11'

11'

11'

5'

4'

5'

4'

612+00

613+00

614+00

615

611+00

SLOPE INTERCEPT (TYP.)

TLE

EX. R/W

EX. R/W

TLE

TLE

SIGN

SIGN

EX. R/W

PR. R/W

⊙VENT

⊙VENT

⊙M.P.

PROJECT NO: 6145-01-73	HWY: USH 12	COUNTY: SAUK	PAVING GRADES	SHEET 149	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-73\021401_JD.DWG
LAYOUT NAME - 021402_jd

PLOT DATE : 6/18/2025 2:01 PM PLOT BY : BARRETT, WILL PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

XXX.XX PROPOSED ELEVATION

(XXX.XX) EXISTING ELEVATION

REJECT GUTTER

N

EX R/W

EX R/W

SHADY LN

(890.13)

(890.21)

(889.80)

890.03

888.92

888.03

888.40

888.32

SEE CURB RAMP DETAILS FOR ADDITIONAL INFORMATION

SEE CURB RAMP DETAILS FOR ADDITIONAL INFORMATION

TLE

TLE

TLE

TLE

SIGN

SLOPE INTERCEPT (TYP.)

PR. R/W

EX. R/W

PR. R/W

EX. R/W

PR. R/W

878.25	879.27	880.28	881.30	882.28	883.26	884.24	885.16	885.99	886.74	887.42	887.54		889.21	889.44	889.59	889.72	889.85	889.97	890.10	889.72		
877.65	878.66	879.68	880.70	881.68	882.66	883.64	884.56	885.40	886.15	886.81	887.39	887.88	888.28	888.61	888.85	889.00	889.12	889.25	889.38	889.50	889.63	889.75
877.87	878.89	879.90	880.92	881.90	882.88	883.86	884.78	885.62	886.37	887.03	887.61	888.10	888.51	888.83	889.07	889.22	889.34	889.47	889.60	889.72	889.85	889.97
878.09	879.11	880.12	881.14	882.12	883.10	884.08	885.00	885.84	886.59	887.25	887.83	888.32	888.73	889.05	889.29	889.44	889.56	889.69	889.82	889.94	890.07	890.19
+00				616+00				617+00				618+00				619+00				620+00		
877.96	878.94	879.92	880.90	881.88	882.86	883.84	884.76	885.60	886.35	887.01	887.59	888.08	888.49	888.81	889.05	889.20	889.33	889.45	889.58	889.70	889.83	889.95
877.74	878.72	879.70	880.68	881.66	882.64	883.62	884.54	885.38	886.13	886.79	887.37	887.86	888.27	888.59	888.83	888.98	889.11	889.23	889.36	889.48	889.61	889.73
877.52	878.50	879.48	880.46	881.44	882.42	883.40	884.32	885.16	885.91	886.57	887.15	887.64	888.05	888.37	888.61	888.76	888.89	889.01	889.14	889.26	889.38	889.51
878.12	879.10	880.08	881.06	882.04	883.04	884.02	884.94	885.78			887.74									889.88	890.00	889.61

USH 12 (WISCONSIN DELLS PARKWAY)

MATCHLINE STA. 615+00

MATCHLINE STA. 620+50

PLE

PLE

SEE CONSTRUCTION DETAILS (RETAINING WALL L01) FOR ADDITIONAL INFORMATION

SEE CONSTRUCTION DETAILS (RETAINING WALL L02) FOR ADDITIONAL INFORMATION

PROJECT NO: 6145-01-73	HWY: USH 12	COUNTY: SAUK	PAVING GRADES	SHEET 150	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-73\021401_JD.DWG
LAYOUT NAME - 021403_jd

PLOT DATE : 6/18/2025 2:01 PM PLOT BY : BARRETT, WILL PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

XXX.XX PROPOSED ELEVATION

(XXX.XX) EXISTING ELEVATION

REJECT GUTTER

N

NEWSOM LN

EX. R/W

TLE

PR. R/W

SEE CURB RAMP DETAILS FOR ADDITIONAL INFORMATION

SEE CONSTRUCTION DETAILS (RETAINING WALL L03) FOR ADDITIONAL INFORMATION

SLOPE INTERCEPT (TYP.)

PLE

USH 12 (WISCONSIN DELLS PARKWAY)

MATCHLINE STA. 620+50

MATCHLINE STA. 626+00

621+00 622+00 623+00 624+00 625+00 626

2.0% 2.5%

PROJECT NO: 6145-01-73	HWY: USH 12	COUNTY: SAUK	PAVING GRADES	SHEET 151	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-73\021401_JD.DWG
LAYOUT NAME - 021404_jd

PLOT DATE : 6/26/2025 11:26 AM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

LEGEND

XXX.XX PROPOSED ELEVATION

(XXX.XX) EXISTING ELEVATION

REJECT GUTTER

N

MATCHLINE STA. 626+00

MATCHLINE STA. 631+50

USH 12 (WISCONSIN DELLS PARKWAY)

PROJECT NO: 6145-01-73	HWY: USH 12	COUNTY: SAUK	PAVING GRADES	SHEET 152	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-73\021401_JD.DWG
LAYOUT NAME - 021405_jd

PLOT DATE : 6/18/2025 2:01 PM PLOT BY : BARRETT, WILL PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

2

LEGEND

XXX.XX PROPOSED ELEVATION

(XXX.XX) EXISTING ELEVATION

REJECT GUTTER

N

W. HIAWATHA DR

EX. R/W

PR. R/W

TLE

PLE

SEE CURB RAMP DETAILS FOR ADDITIONAL INFORMATION

SLOPE INTERCEPT (TYP.)

SEE CONSTRUCTION DETAILS (RETAINING WALL L04) FOR ADDITIONAL INFORMATION

SEE STRUCTURE PLANS (R-56-38) FOR ADDITIONAL INFORMATION

USH 12 (WISCONSIN DELLS PARKWAY)

E. HIAWATHA DR

MATCHLINE STA. 631+50

MATCHLINE STA. 637+00

632+00 633+00 634+00 635+00 636+00 637

16+00 17+00 18+00 19+00

901.38	902.44	903.50	904.56	905.61	906.67	907.73	908.84	909.38	910.88	911.81	912.68	913.48	914.22	915.26	916.02	916.48	916.87	917.20	917.46	917.65	917.80		
900.87	901.93	902.99	904.05	905.10	906.16	907.22	908.28	909.33	910.33	911.26	912.12	912.92	913.65	914.31	914.90	915.43	915.89	916.28	916.60	916.86	917.05		
901.09	902.15	903.21	904.27	905.32	906.38	907.44	908.50	909.55	910.55	911.48	912.34	913.14	913.87	914.53	915.12	915.65	916.11	916.50	916.82	917.08	917.27	917.42	2.0%
901.31	902.37	903.43	904.49	905.54	906.60	907.66	908.72	909.77	910.77	911.70	912.56	913.36	914.09	914.75	915.34	915.87	916.33	916.72	917.04	917.30	917.49	917.64	2.0%
901.07	902.13	903.19	904.25	905.30	906.36	907.42	908.48	909.53	910.53	911.46	912.32	913.12	913.85	914.51	915.10	915.63	916.09	916.48	916.80	917.06	917.25	917.40	
900.85	901.91	902.97	904.03	905.08	906.14	907.20	908.26	909.31	910.31	911.24	912.10	912.90	913.63	914.29	914.88	915.41	915.87	916.26	916.58	916.84	917.03	917.18	
900.63	901.69	902.75	903.81	904.86	905.92	906.98	908.04	909.09	910.09	911.02	911.88	912.68	913.41	914.07	914.66	915.19	915.65	916.04	916.36	916.62	916.81	916.96	
901.18	902.24	903.30	904.36	905.41	906.49	907.57	908.63	909.19	910.68														

(918.94) (918.49) (916.79) (917.03) (916.18) (916.42) (915.26) (914.22) (913.08) (912.71) (912.10) (912.00) (911.78) (911.48) (911.73) (911.70) (911.99) (912.00) (911.34) (911.62) (912.26) (912.24) (912.79) (912.89) (913.37) (914.44) (914.45)

PROJECT NO: 6145-01-73	HWY: USH 12	COUNTY: SAUK	PAVING GRADES	SHEET 153	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-73\021401_JD.DWG
LAYOUT NAME - 021406_jd

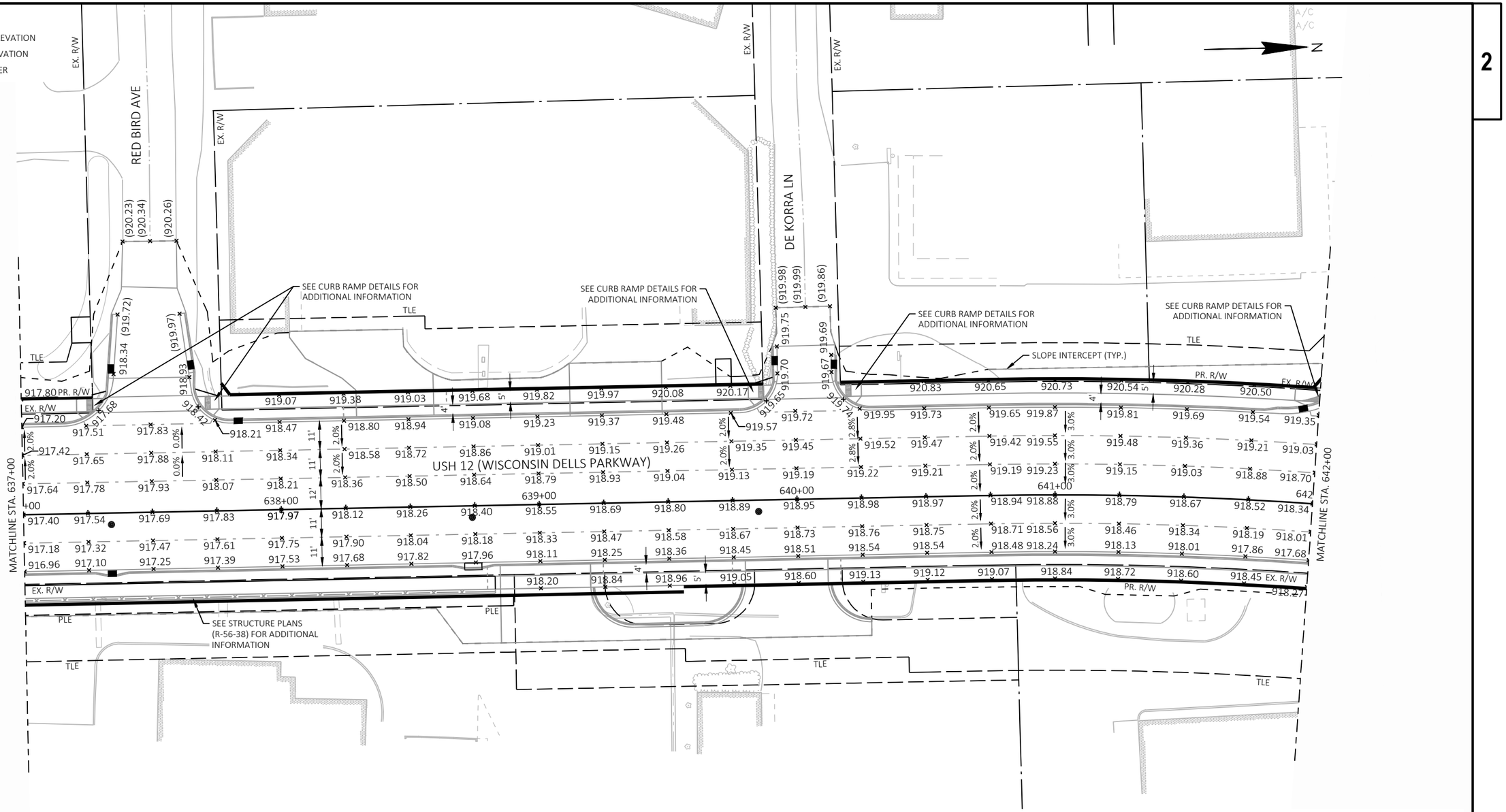
PLOT DATE : 6/18/2025 2:01 PM PLOT BY : BARRETT, WILL PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

XXX.XX PROPOSED ELEVATION
(XXX.XX) EXISTING ELEVATION
REJECT GUTTER



SUPERELEVATION DATA (ROTATED ABOUT CROWN POINT)							
CURVE	STATION	RATE('/')					REMARKS
		SB OUTSIDE LANE	SB INSIDE LANE	TWLTL	NB INSIDE LANE	NB OUTSIDE LANE	
1	637+01	-0.020	-0.020	-0.020	-0.020	-0.020	NORMAL CROWN
	637+63	0.000	0.000	-0.020	-0.020	-0.020	0% CROSS SLOPE
	638+25	0.020	0.020	-0.020	-0.020	-0.020	BEGIN REVERSE CROWN
	640+72	0.020	0.020	-0.020	-0.020	-0.020	END REVERSE CROWN
	641+03	0.030	0.030	-0.030	-0.030	-0.030	BEGIN FULL SUPER
	646+23	0.030	0.030	-0.030	-0.030	-0.030	END FULL SUPER
	646+54	0.020	0.020	-0.020	-0.020	-0.020	BEGIN REVERSE CROWN
	648+76	0.020	0.020	-0.020	-0.020	-0.020	END REVERSE CROWN
	649+38	0.000	0.000	-0.020	-0.020	-0.020	0% CROSS SLOPE
	650+00	-0.020	-0.020	-0.020	-0.020	-0.020	NORMAL CROWN

2

LEGEND

XXX.XX PROPOSED ELEVATION

(XXX.XX) EXISTING ELEVATION

REJECT GUTTER

MATCHLINE STA. 41+25

MATCHLINE STA. 642+00

MATCHLINE STA. 647+50

W. LAKE AVE

E. LAKE AVE

USH 12 (WISCONSIN DELLS PARKWAY)

SEE CURB RAMP DETAILS FOR ADDITIONAL INFORMATION

SLOPE INTERCEPT (TYP.)

TLE

EX. R/W

PR. R/W

A/C

PROJECT NO: 6145-01-73	HWY: USH 12	COUNTY: SAUK	PAVING GRADES	SHEET 155	E

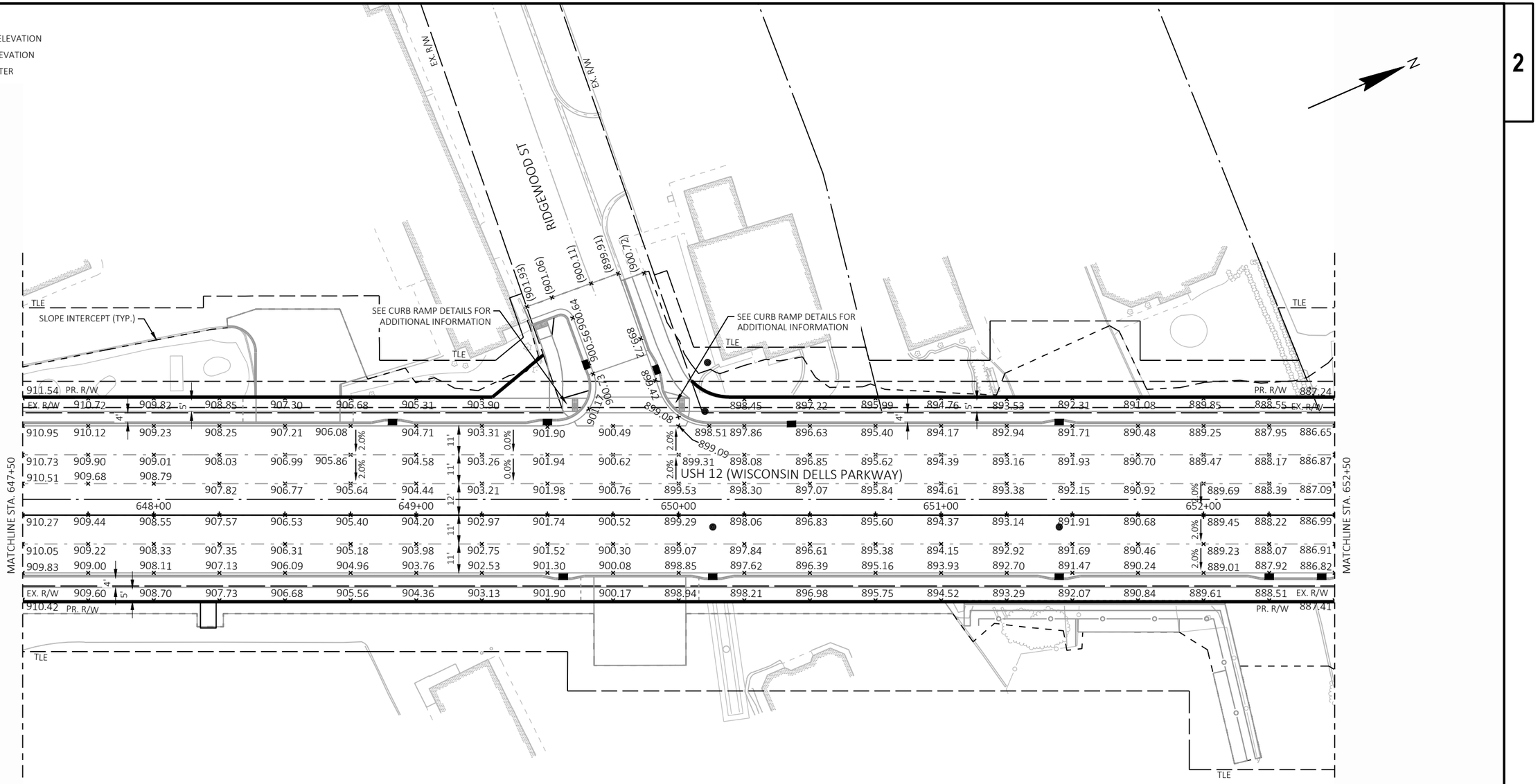
FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-73\021401_JD.DWG
LAYOUT NAME - 021408_jd

PLOT DATE : 6/18/2025 3:31 PM PLOT BY : BARRETT, WILL PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

LEGEND

XXX.XX PROPOSED ELEVATION
(XXX.XX) EXISTING ELEVATION
REJECT GUTTER



PROJECT NO: 6145-01-73	HWY: USH 12	COUNTY: SAUK	PAVING GRADES	SHEET 156	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-73\021401_JD.DWG
LAYOUT NAME - 021409_jd
PLOT DATE : 6/18/2025 2:02 PM
PLOT BY : BARRETT, WILL
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

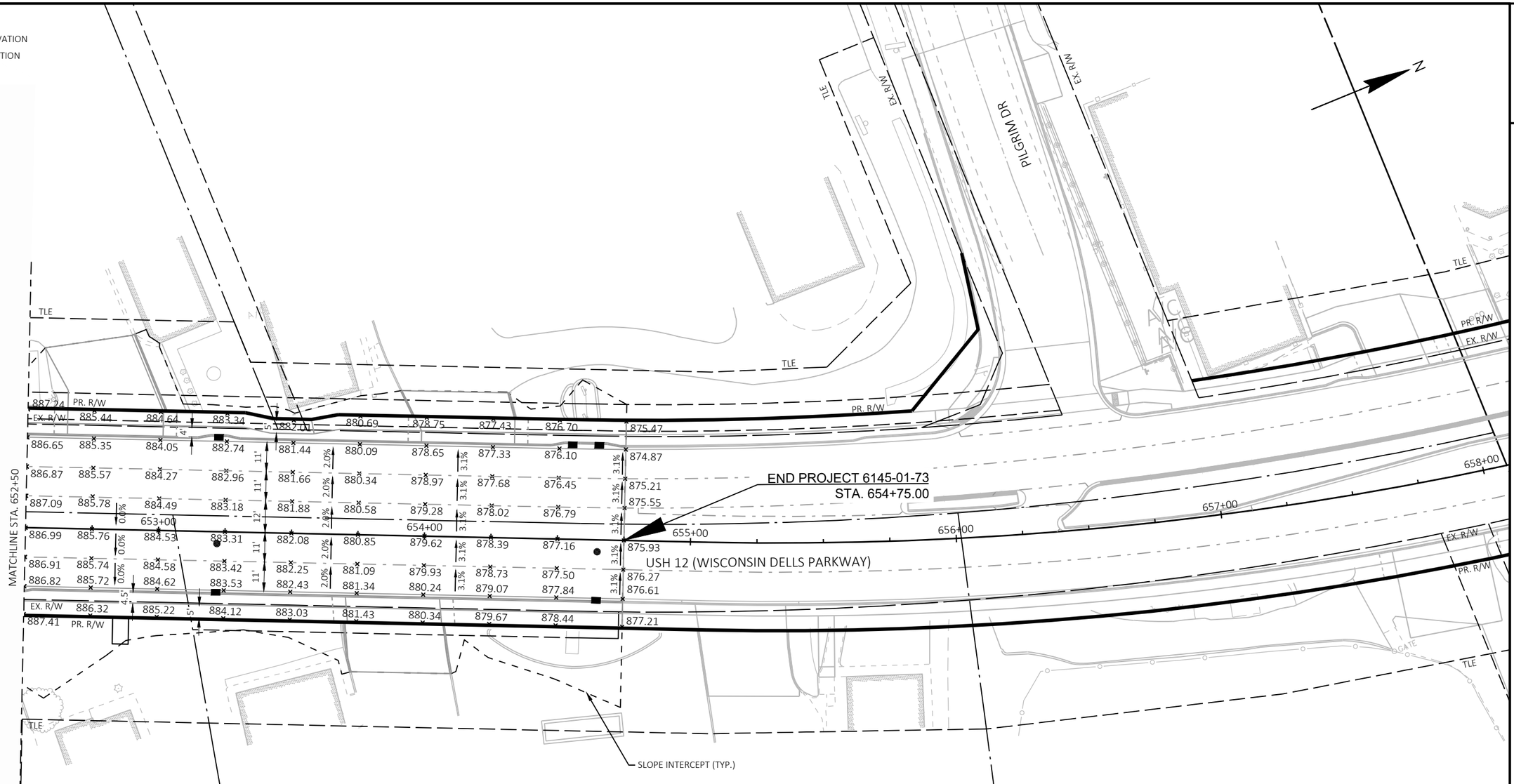
2

LEGEND

XXX.XX PROPOSED ELEVATION

(XXX.XX) EXISTING ELEVATION

REJECT GUTTER



PILGRIM DR

SUPERELEVATION DATA							
CURVE	STATION	RATE('/')					REMARKS
		SB OUTSIDE LANE	SB INSIDE LANE	TWLTL	NB INSIDE LANE	NB OUTSIDE LANE	
2	652+00	-0.020	-0.020	0.020	-0.020	-0.020	NORMAL CROWN
	652+83	-0.020	-0.020	0.000	0.000	0.000	0% CROSS SLOPE
	653+66	-0.020	-0.020	-0.020	0.020	0.020	REVERSE CROWN
	654+11	-0.031	-0.031	-0.031	0.031	0.031	BEGIN FULL SUPER
	654+75	-0.031	-0.031	-0.031	0.031	0.031	FULL SUPER

PROJECT NO: 6145-01-73	HWY: USH 12	COUNTY: SAUK	PAVING GRADES	SHEET 157	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-73\021401_JD.DWG
LAYOUT NAME - 021410_jd
PLOT DATE : 6/18/2025 2:02 PM PLOT BY : BARRETT, WILL PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

LEGEND

XXX.XX PROPOSED ELEVATION

(XXX.XX) EXISTING ELEVATION

REJECT GUTTER

N

TLE

PR. R/W

EX. R/W

650+00 651+00 652+00 653+00 654+00 655+00

BEGIN PROJECT 6145-01-72
STA. 654+75.00

USH 12 (WISCONSIN DELLS PARKWAY)

MATCH LINE 655+50

875.46	874.22	872.96	EX. R/W		
874.87	3.1%	873.62	872.36	871.11	PR. R/W 871.70
875.21	3.1%	873.96	872.71	871.45	
875.55	3.1%	874.30	873.05	871.79	
875.93	3.1%	874.70	873.47	872.24	
876.27	3.1%	875.04	873.81	872.58	
876.61	3.1%	875.38	874.15	872.92	
877.21		875.98	874.75	873.52	EX. R/W
					PR. R/W

EX. R/W

PR. R/W

TLE

WOOD

GRD

SLOPE INTERCEPT (TYP.)

TLE

PROJECT NO: 6145-01-72	HWY: USH 12	COUNTY: SAUK	PAVING GRADES	SHEET 158	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-72\021401_JD.DWG
LAYOUT NAME - 021401_jd

PLOT DATE : 6/18/2025 2:14 PM PLOT BY : BARRETT, WILL PLOT NAME : PLOT SCALE : 1 IN:40 FT

LEGEND

XXX.XX PROPOSED ELEVATION

(XXX.XX) EXISTING ELEVATION

REJECT GUTTER

PILGRIM DR

00+95

USH 12 (WISCONSIN DELLS PARKWAY)

SEE CURB RAMP DETAILS FOR ADDITIONAL INFORMATION

SEE CURB RAMP DETAILS FOR ADDITIONAL INFORMATION

SLOPE INTERCEPT (TYP.)

SEE CONSTRUCTION DETAILS (RETAINING WALL L05) FOR ADDITIONAL INFORMATION

EX. R/W

PR. R/W

TLE

PLE

MATCH LINE 655+50

MATCH LINE 661+00

656+00

657+00

658+00

659+00

660+00

PROJECT NO: 6145-01-72	HWY: USH 12	COUNTY: SAUK	PAVING GRADES	SHEET 159	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-72\021401_JD.DWG
LAYOUT NAME - 021402_jd

PLOT DATE : 6/18/2025 2:14 PM PLOT BY : BARRETT, WILL PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

XXX.XX PROPOSED ELEVATION

(XXX.XX) EXISTING ELEVATION

REJECT GUTTER

N

EX. R/W

OLYMPUS DR

EX. R/W

(860.03) (859.38) (859.72) (859.72) (859.38) (860.10)

TLE

SEE CURB RAMP DETAILS FOR ADDITIONAL INFORMATION

PR. R/W

EX. R/W 862.43 863.00 863.58 864.16 864.75 865.16

856.87 856.88 856.93 856.52 856.65 857.33 857.55 857.82 858.12 858.48 858.87 859.31

856.28 856.28 856.33 856.42 856.56 856.74 856.96 857.22 857.53 857.88 858.27 858.71 858.94 859.44 859.72 860.15 860.72 861.37 861.76 862.34 862.92 863.50 864.09 864.48

USH 12 (WISCONSIN DELLS PARKWAY)

856.50 856.50 856.55 856.64 856.78 856.96 857.18 857.44 857.75 858.10 858.49 858.93 859.41 859.94 860.50 861.08 861.66 862.21 862.79 863.37 863.95 864.53 864.85

856.72 856.72 856.77 856.86 857.00 857.18 857.40 857.66 857.97 858.32 858.71 859.15 859.63 860.16 860.72 861.30 861.88 862.44 863.02 863.60 864.18 864.76 865.07

SEE CURB RAMP DETAILS

SEE CURB RAMP DETAILS

MATCH LINE 661+00

856.82 856.86 856.95 857.03 857.15 857.32 857.53 857.78 858.08 858.42 858.81 859.35 859.85 860.39 860.90 861.43 861.99 862.57 863.14 863.72 864.30 864.63

662+00 663+00 664+00 665+00 666+00

856.78 856.73 856.72 856.75 856.83 856.95 857.12 857.33 857.58 857.88 858.22 858.61 859.04 859.52 860.04 860.60 861.20 861.79 862.39 862.98 863.58 864.18 864.77

856.79 856.67 856.59 856.56 856.61 856.73 856.90 857.11 857.36 857.66 858.00 858.39 858.82 859.30 859.82 860.38 860.98 861.57 862.17 862.76 863.36 863.96 864.55

856.61 856.47 856.37 856.39 856.51 856.68 856.89 857.14 857.44 857.78 858.17 858.60 859.08 859.60 860.16 860.76 861.35 861.95 862.54 863.14 863.74 864.33

MATCH LINE 666+50

856.81

856.96 856.98 857.10 857.27 857.48 857.74 862.54 863.14 863.73 864.33 864.93

EX. R/W

PR. R/W

PR. R/W

PLE

SEE CONSTRUCTION DETAILS (RETAINING WALL L05) FOR ADDITIONAL INFORMATION

SLOPE INTERCEPT (TYP.)

TLE

PLE

SEE CURB RAMP DETAILS FOR ADDITIONAL INFORMATION

SEE STRUCTURE PLANS (R-56-41) FOR ADDITIONAL INFORMATION

SEE CURB RAMP DETAILS FOR ADDITIONAL INFORMATION

TLE

2

PROJECT NO: 6145-01-72	HWY: USH 12	COUNTY: SAUK	PAVING GRADES	SHEET 160	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-72\021401_JD.DWG
LAYOUT NAME - 021403_jd

PLOT DATE : 6/26/2025 11:30 AM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

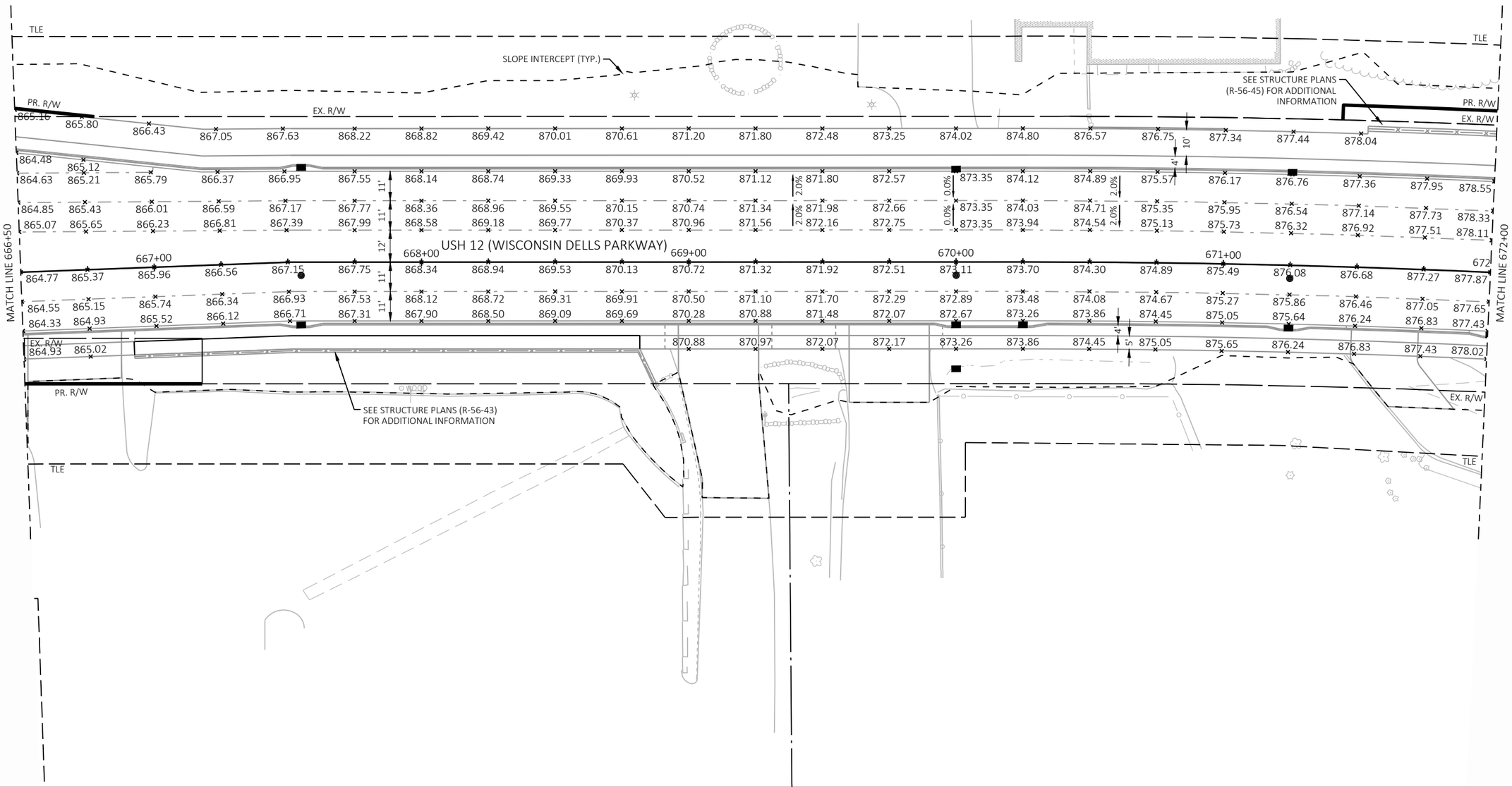
LEGEND

XXX.XX PROPOSED ELEVATION

(XXX.XX) EXISTING ELEVATION

REJECT GUTTER

N



PROJECT NO: 6145-01-72	HWY: USH 12	COUNTY: SAUK	PAVING GRADES	SHEET 161	E

2

LEGEND

XXX.XX PROPOSED ELEVATION

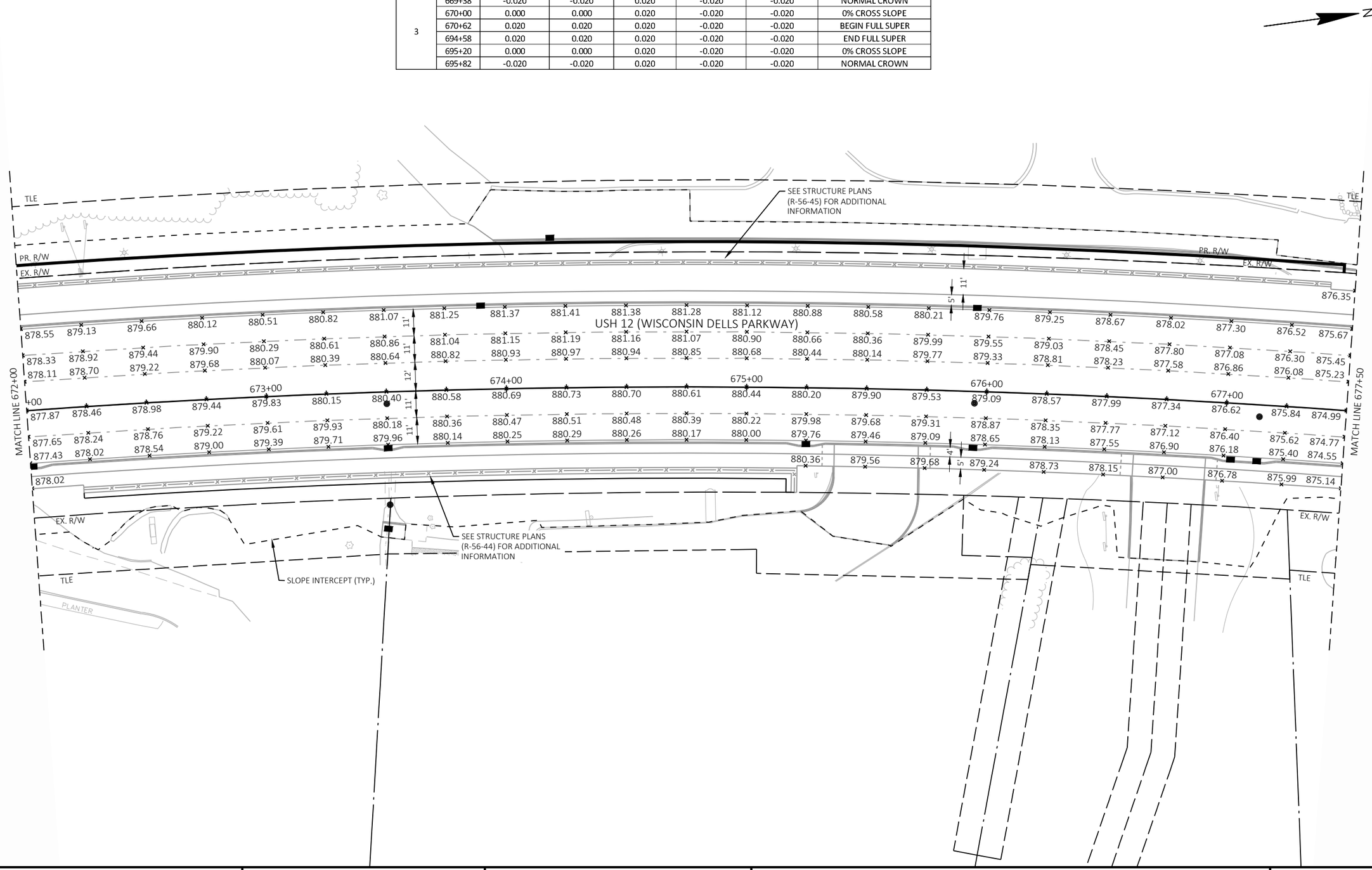
(XXX.XX) EXISTING ELEVATION

REJECT GUTTER

HOTEL ROME

SUPERELEVATION DATA

CURVE	STATION	RATE('/')					REMARKS
		SB OUTSIDE LANE	SB INSIDE LANE	TWLTL	NB INSIDE LANE	NB OUTSIDE LANE	
3	669+38	-0.020	-0.020	0.020	-0.020	-0.020	NORMAL CROWN
	670+00	0.000	0.000	0.020	-0.020	-0.020	0% CROSS SLOPE
	670+62	0.020	0.020	0.020	-0.020	-0.020	BEGIN FULL SUPER
	694+58	0.020	0.020	0.020	-0.020	-0.020	END FULL SUPER
	695+20	0.000	0.000	0.020	-0.020	-0.020	0% CROSS SLOPE
	695+82	-0.020	-0.020	0.020	-0.020	-0.020	NORMAL CROWN



PROJECT NO: 6145-01-72	HWY: USH 12	COUNTY: SAUK	PAVING GRADES	SHEET 162	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-72\021401_JD.DWG
LAYOUT NAME - 021405_jd

PLOT DATE : 6/18/2025 2:15 PM PLOT BY : BARRETT, WILL PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

XXX.XX PROPOSED ELEVATION

(XXX.XX) EXISTING ELEVATION

REJECT GUTTER

N

USH 12 (WISCONSIN DELLS PARKWAY)

MATCH LINE 677+50

MATCH LINE 683+00

678+00 679+00 680+00 681+00 682+00 683

TLE

EX. R/W

SEE STRUCTURE PLANS (R-56-46) FOR ADDITIONAL INFORMATION

SEE CURB RAMP DETAILS FOR ADDITIONAL INFORMATION

SEE STRUCTURE PLANS (R-56-47) FOR ADDITIONAL INFORMATION

SLOPE INTERCEPT (TYP.)

POST

12' 11' 11' 11' 12'

10' 4' 4' 5'

875.67 874.81 873.95 873.09 872.24 871.38 870.52 869.67 868.81 867.95 867.09 866.24 865.38 864.52 863.66 862.81 861.95 861.09 860.23 859.38 858.52 857.66 856.81

875.45 874.59 873.73 872.88 872.02 871.16 870.30 869.45 868.59 867.73 866.87 866.02 865.16 864.30 863.44 862.59 861.73 860.87 860.02 859.16 858.30 857.44 856.60

875.23 874.37 873.51 872.66 871.80 870.94 870.08 869.23 868.37 867.51 866.65 865.80 864.94 864.08 863.22 862.37 861.51 860.65 859.80 858.94 858.08 857.22 856.37

874.99 874.13 873.27 872.42 871.56 870.70 869.84 868.99 868.13 867.27 866.41 865.56 864.70 863.84 862.98 862.13 861.27 860.41 859.56 858.70 857.84 856.98 856.13

874.77 873.91 873.05 872.20 871.34 870.48 869.62 868.77 867.91 867.05 866.19 865.34 864.48 863.62 862.76 861.91 861.05 860.19 859.34 858.48 857.62 856.76 855.91

874.55 873.69 872.83 871.98 871.12 870.26 869.40 868.55 867.69 866.83 865.97 865.12 864.26 863.40 862.54 861.69 860.83 859.97 859.12 858.26 857.40 856.54 855.69

875.14 874.28 873.43 872.07 871.21 870.86 870.00 869.14 868.28 867.43 866.57 865.20 864.00 863.14 862.28 861.42 860.57 859.71 858.85 858.00 857.14 856.29

PROJECT NO: 6145-01-72	HWY: USH 12	COUNTY: SAUK	PAVING GRADES	SHEET 163	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-72\021401_JD.DWG
LAYOUT NAME - 021406_jd

PLOT DATE : 6/26/2025 11:32 AM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2

LEGEND

XXX.XX PROPOSED ELEVATION

(XXX.XX) EXISTING ELEVATION

REJECT GUTTER

N

SEE STRUCTURE PLANS (R-56-47) FOR ADDITIONAL INFORMATION

SLOPE INTERCEPT (TYP.)

USH 12 (WISCONSIN DELLS PARKWAY)

MATCH LINE 683+00

MATCH LINE 688+50

TLE

EX. R/W

PR. R/W

10'

5'

11'

12'

4%

683+00: 856.81 855.99 855.20 854.44 853.70 853.00 852.33 851.69 851.07 850.49 849.94 849.41

684+00: 856.60 855.77 854.98 854.22 853.49 852.78 852.11 851.47 850.85 850.27 849.72 849.19

685+00: 856.37 855.55 854.76 854.00 853.27 852.56 851.89 851.25 850.63 850.05 849.50 848.97

686+00: 856.13 855.31 854.52 853.76 853.03 852.32 851.65 851.01 850.39 849.81 849.26 848.73

687+00: 855.91 855.09 854.30 853.54 852.81 852.10 851.43 850.79 850.17 849.59 849.04 848.51

688+00: 855.69 854.87 854.08 853.32 852.59 851.88 851.21 850.55 849.95 849.37 848.82 848.29

848.92 848.45 848.02 847.61 847.24 846.89 846.58 846.29 846.04 845.81 845.61

848.70 848.23 847.80 847.39 847.02 846.67 846.36 846.07 845.82 845.59 845.39

848.48 848.01 847.58 847.17 846.80 846.45 846.14 845.85 845.60 845.37 845.17

848.24 847.77 847.34 846.93 846.56 846.21 845.90 845.61 845.36 845.13 844.93

848.02 847.55 847.12 846.71 846.34 845.99 845.68 845.39 845.14 844.91 844.71

847.80 847.33 846.90 846.49 846.12 845.77 845.46 845.17 844.92 844.69 844.49

847.89 847.43 847.49 847.09 846.71 846.37 846.05 845.27 845.01 845.28 845.09

848.29 847.92 847.57 847.26 846.97 846.71 846.49 846.29

856.29 855.47 854.67 853.91 853.18

852.80 854.71 (855.07) 854.17 (855.74) (855.74)

852.36

SEE CURB RAMP DETAILS FOR ADDITIONAL INFORMATION

SEE CURB RAMP DETAILS FOR ADDITIONAL INFORMATION

BONANZA DR

EX R/W

SIGN

WOOD

PROJECT NO: 6145-01-72	HWY: USH 12	COUNTY: SAUK	PAVING GRADES	SHEET 164	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-72\021401_JD.DWG
LAYOUT NAME - 021407_jd

PLOT DATE : 6/18/2025 2:15 PM PLOT BY : BARRETT, WILL PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

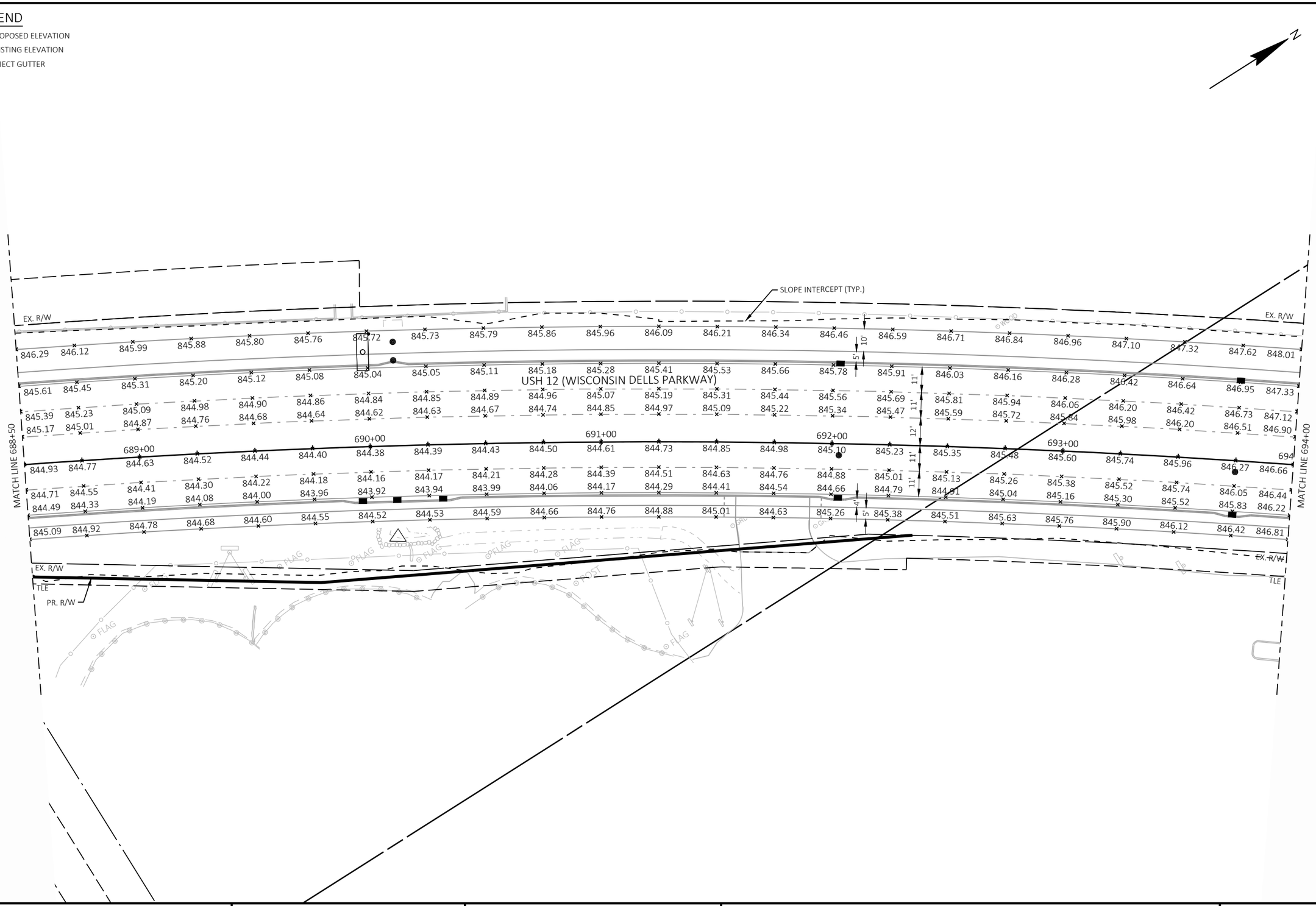
2

LEGEND

XXX.XX PROPOSED ELEVATION

(XXX.XX) EXISTING ELEVATION

REJECT GUTTER



PROJECT NO: 6145-01-72	HWY: USH 12	COUNTY: SAUK	PAVING GRADES	SHEET 165	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-72\021401_JD.DWG
LAYOUT NAME - 021408_jd

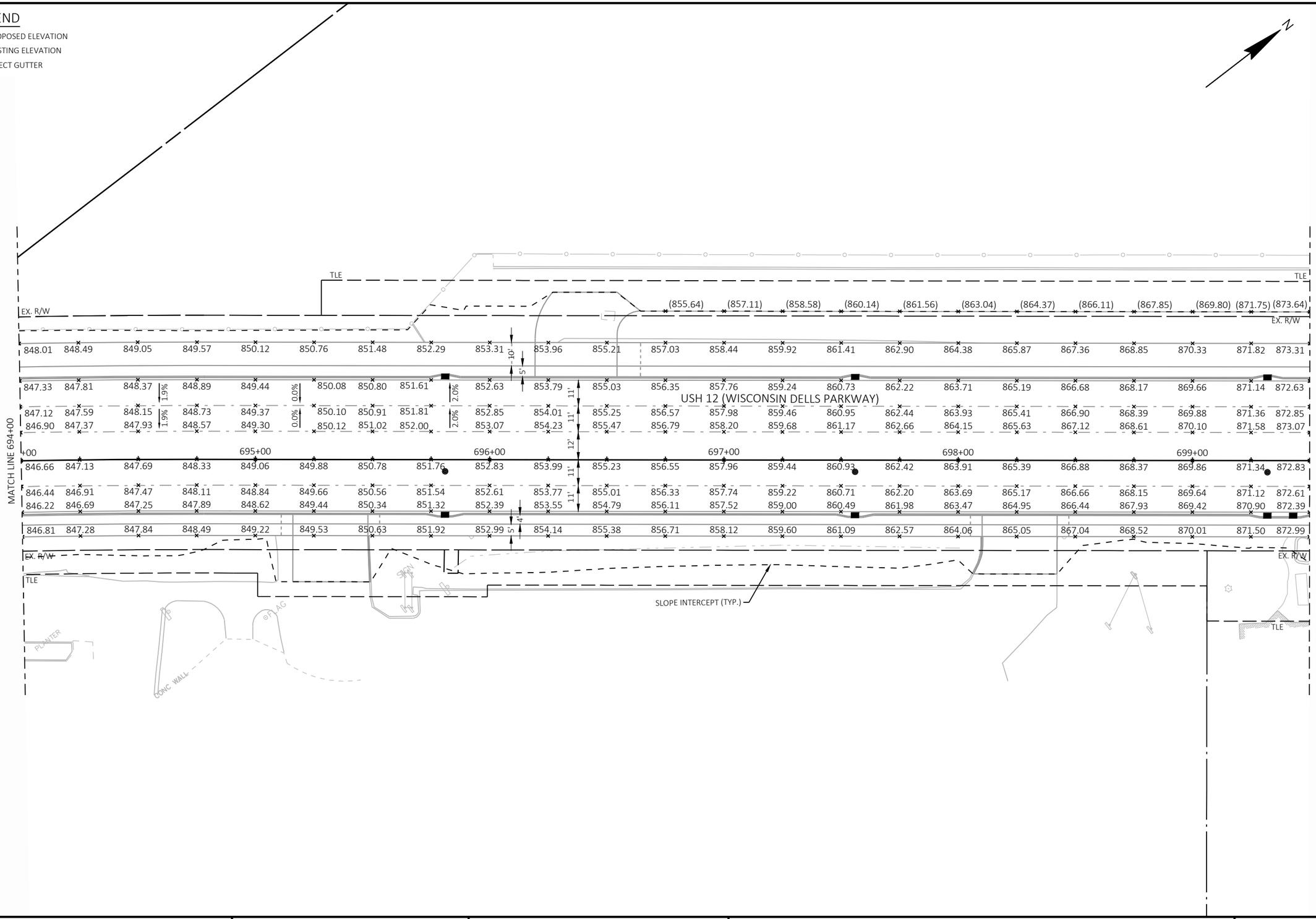
PLOT DATE : 6/18/2025 2:15 PM PLOT BY : BARRETT, WILL PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

XXX.XX PROPOSED ELEVATION
(XXX.XX) EXISTING ELEVATION
REJECT GUTTER



PROJECT NO: 6145-01-72	HWY: USH 12	COUNTY: SAUK	PAVING GRADES	SHEET 166	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-72\021401_JD.DWG
LAYOUT NAME - 021409_jd
PLOT DATE : 6/18/2025 2:15 PM PLOT BY : BARRETT, WILL PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

2

LEGEND

XXX.XX PROPOSED ELEVATION

(XXX.XX) EXISTING ELEVATION

REJECT GUTTER

TLE

(873.64) (875.50) (877.09) (878.69) (880.21)

EX. R/W

873.31 874.80 876.28 877.77 879.26

872.63 874.12 875.61 877.10 878.58

872.85 874.34 875.83 877.32 878.80

873.07 874.56 876.05 877.53 879.02

700+00 701+00 702+00 703+00 704+00 705+00

872.83 874.32 875.81 877.29 878.78

872.61 874.10 875.59 877.07 878.56

872.39 873.88 875.37 876.85 878.34

872.99 873.97 875.96 877.45

EX. R/W

TLE

MATCH LINE 699+50

END PROJECT 6145-01-72
STA. 700+50.00

SLOPE INTERCEPT (TYP.)

SEE STRUCTURE PLANS
(R-56-48) FOR ADDITIONAL
INFORMATION

SIGN

WOOD

WOOD

WOOD

PROJECT NO: 6145-01-72	HWY: USH 12	COUNTY: SAUK	PAVING GRADES	SHEET 167	E

2

2

LEGEND

XXX.XX PROPOSED ELEVATION

(XXX.XX) EXISTING ELEVATION

REJECT GUTTER

N

TLE

EX. R/W

880.21 881.26 882.36 883.83 885.52 887.24 888.94 890.69 892.60

879.26 880.75 882.24 883.72 885.21 886.70 888.19 889.67 891.16

878.58 880.07 881.56 883.05 884.53 886.02 887.51 889.00 890.48

878.80 880.29 881.78 883.27 884.75 886.24 887.73 889.22 890.70

879.02 880.51 883.49 884.97 886.46 889.44 890.92

897+00 898+00 899+00 900+00 901+00 902+00

882.00 887.95

697+00 698+00 699+00 700+00 701+00 702+00

USH 12 (WISCONSIN DELLS PARKWAY)

878.78 880.27 881.76 883.25 884.73 886.22 887.71 889.20 890.68

BEGIN PROJECT 6145-01-74

STA. 700+50.00

878.56 880.05 881.54 883.03 884.51 886.00 887.49 888.98 890.46

878.34 879.83 881.32 882.80 884.29 885.78 887.27 888.76 890.24

MATCH LINE 702+50

886.38 887.86 889.35 890.84

EX. R/W

TLE

SLOPE INTERCEPT (TYP.)

SEE STRUCTURE PLANS (R-56-48) FOR ADDITIONAL INFORMATION

PROJECT NO: 6145-01-74	HWY: USH 12	COUNTY: SAUK	PAVING GRADES	SHEET 168	E

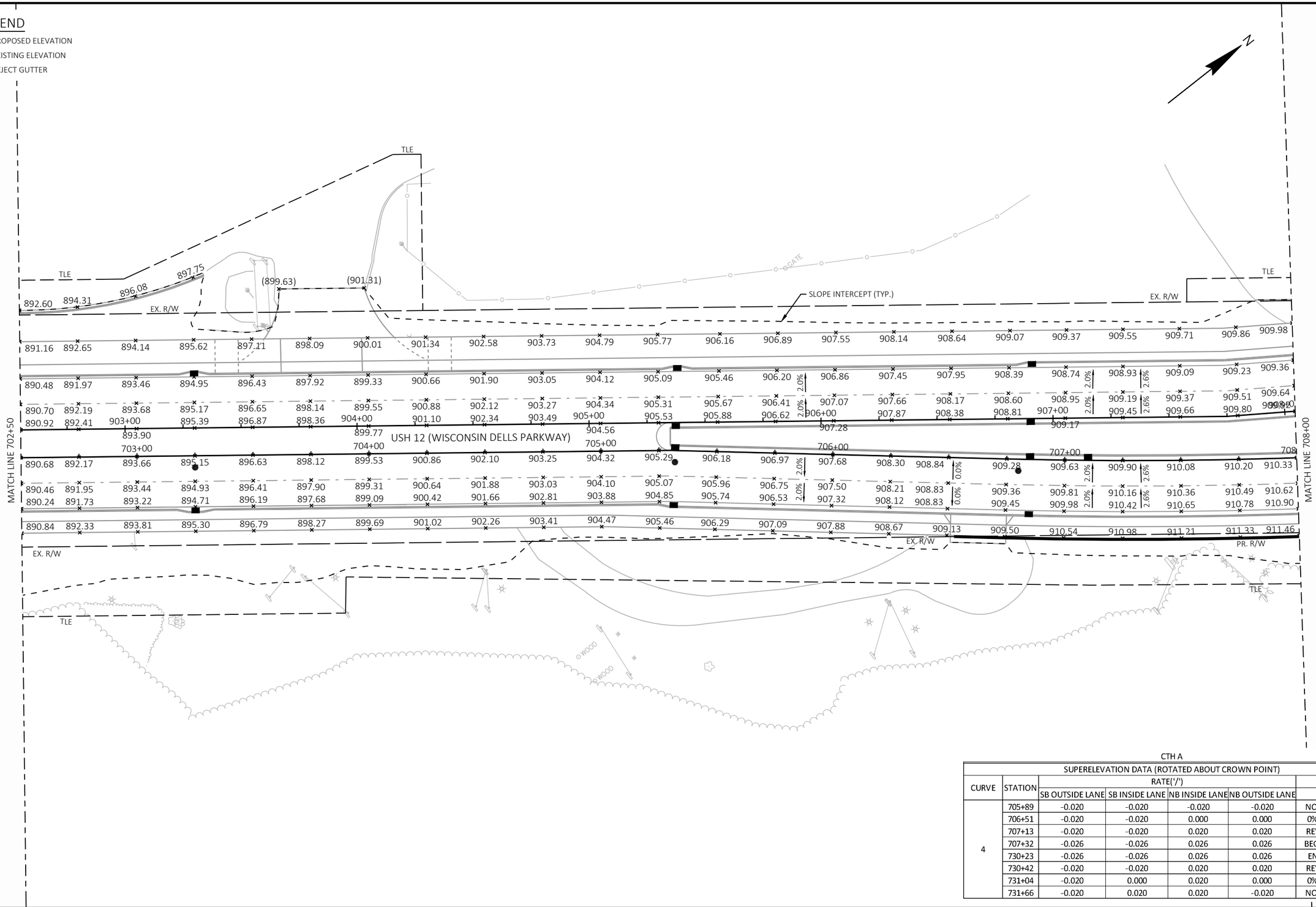
2

LEGEND

XXX.XX PROPOSED ELEVATION

(XXX.XX) EXISTING ELEVATION

REJECT GUTTER



CTH A

SUPERELEVATION DATA (ROTATED ABOUT CROWN POINT)						
CURVE	STATION	RATE('/')				REMARKS
		SB OUTSIDE LANE	SB INSIDE LANE	NB INSIDE LANE	NB OUTSIDE LANE	
4	705+89	-0.020	-0.020	-0.020	-0.020	NORMAL CROWN
	706+51	-0.020	-0.020	0.000	0.000	0% CROSS SLOPE
	707+13	-0.020	-0.020	0.020	0.020	REVERSE CROWN
	707+32	-0.026	-0.026	0.026	0.026	BEGIN FULL SUPER
	730+23	-0.026	-0.026	0.026	0.026	END FULL SUPER
	730+42	-0.020	-0.020	0.020	0.020	REVERSE CROWN
	731+04	-0.020	0.000	0.020	0.000	0% CROSS SLOPE
	731+66	-0.020	0.020	0.020	-0.020	NORMAL CROWN

PROJECT NO: 6145-01-74	HWY: USH 12	COUNTY: SAUK	PAVING GRADES	SHEET 169	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-74\021401_JD.DWG
LAYOUT NAME - 021204_jd
PLOT DATE : 6/18/2025 2:19 PM PLOT BY : BARRETT, WILL PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

LEGEND

XXX.XX	PROPOSED ELEVATION
(XXX.XX)	EXISTING ELEVATION
	REJECT GUTTER

N

TLE
EX. R/W
909.98 910.10 910.22 910.34 910.47 910.59 910.69 910.77 910.83 910.87 910.88 910.87 910.84 910.78 910.70 910.60 910.48 910.33 910.16 910.00 909.80
909.36 909.48 909.60 909.73 909.85 909.97 910.08 910.16 910.22 910.25 910.26 910.25 910.22 910.16 910.08 909.98 909.85 909.71 909.53 909.34 909.14
909.64 909.76 909.89 910.01 910.13 910.26 910.36 910.44 910.50 910.53 910.55 910.54 910.50 910.45 910.37 910.26 910.14 909.99 909.82 909.63 909.43
909.92 910.05 910.17 910.29 910.41 910.53 910.64 910.72 910.78 910.82 910.83 910.82 910.79 910.73 910.65 910.55 910.43 910.28 910.11 909.91 909.71
MATCH LINE 708+00
+00 709+00 710+00 711+00 712+00 713
910.33 910.45 910.58 910.70 910.83 910.95 911.08 911.20 911.29 911.34 911.36 911.33 911.27 911.17 911.03 910.85 910.67 910.49 910.30 910.12 909.94
910.62 910.74 910.87 910.99 911.12 911.24 911.37 911.49 911.58 911.63 911.64 911.62 911.56 911.45 911.31 911.14 910.96 910.77 910.59 910.41 910.23
910.90 911.03 911.15 911.28 911.40 911.53 911.65 911.77 911.86 911.92 911.93 911.90 911.84 911.74 911.60 911.42 911.24 911.06 910.88 910.69 910.51
911.46 911.58 911.71 911.83 911.96 912.08 912.21 912.33 912.42 912.47 912.48 912.46 912.40 912.29 912.15 911.48 911.80 911.61 911.43 911.25 911.07
MATCH LINE 713+00
USH 12 (WISCONSIN DELLS PARKWAY)
911.22
PR. R/W
EX. R/W
PLE
TLE
SLOPE INTERCEPT (TYP.)

PROJECT NO: 6145-01-74	HWY: USH 12	COUNTY: SAUK	PAVING GRADES	SHEET 170	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-74\021401_JD.DWG
LAYOUT NAME - 021205_jd
PLOT DATE : 6/18/2025 2:20 PM
PLOT BY : BARRETT, WILL
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

LEGEND

XXX.XX PROPOSED ELEVATION

(XXX.XX) EXISTING ELEVATION

REJECT GUTTER

N

TLE

EX. R/W

SEE CURB RAMP DETAILS FOR ADDITIONAL INFORMATION

SLOPE INTERCEPT (TYP.)

MATCH LINE 713+00

MATCH LINE 718+50

USH 12 (WISCONSIN DELLS PARKWAY)

CTH A

MATCHLINE STA. 71+50

PLE

METAL

FLAG

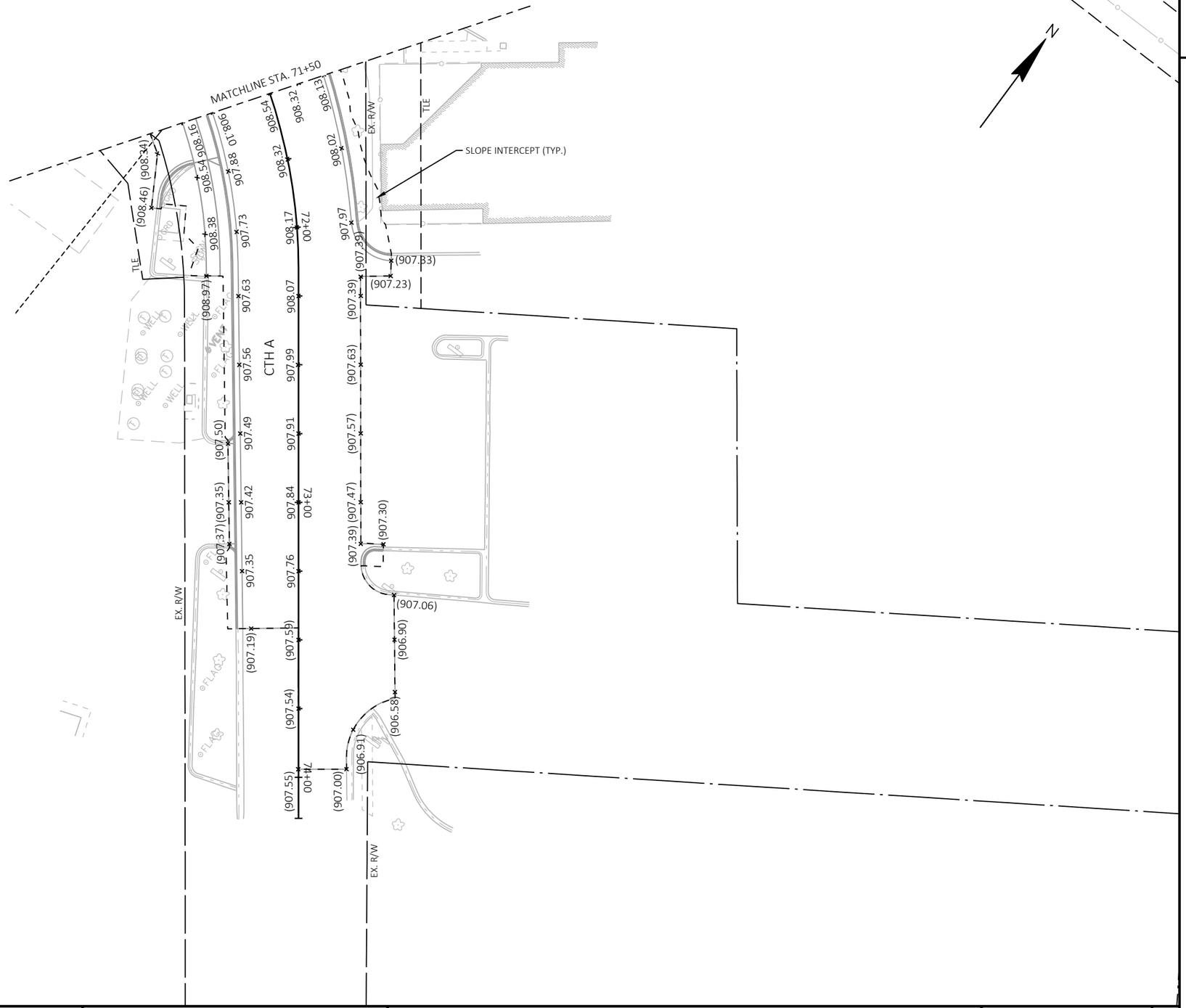
2

LEGEND

XXX.XX PROPOSED ELEVATION

(XXX.XX) EXISTING ELEVATION

REJECT GUTTER



PROJECT NO: 6145-01-74	HWY: USH 12	COUNTY: SAUK	PAVING GRADES	SHEET 172	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-74\021401_JD.DWG
LAYOUT NAME - 021207_jd

PLOT DATE : 6/18/2025 2:20 PM PLOT BY : BARRETT, WILL PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 42

2

2

LEGEND

XXX.XX PROPOSED ELEVATION

(XXX.XX) EXISTING ELEVATION

REJECT GUTTER

N

EX. R/W

DELLSHIRE DRIVE

SEE CURB RAMP DETAILS FOR ADDITIONAL INFORMATION

SLOPE INTERCEPT (TYP.)

(904.05) (903.92)

(902.51)

(902.15)

(900.36)

899.86

SEE CURB RAMP DETAILS FOR ADDITIONAL INFORMATION

EX. R/W

MATCH LINE 718+50

MATCH LINE 724+00

USH 12 (WISCONSIN DELLS PARKWAY)

905.84 905.72 905.59 905.47 905.35 905.22 905.10 904.98 904.85 904.73 904.60 904.41 904.15 903.84 903.47 903.03 902.50 902.00 901.44 900.81 900.13 899.38 898.57 897.69

905.32 905.19 905.07 904.95 904.82 904.70 904.57 904.45 904.33 904.20 904.07 903.88 903.63 903.32 902.94 902.79 902.29 901.73 901.10 900.41 899.66 898.85 897.98

905.60 905.48 905.36 905.23 905.11 904.98 904.86 904.74 904.61 904.49 904.36 904.17 903.92 903.60 903.23 903.07 902.57 902.01 901.39 900.70 899.95 899.14 898.26

905.89 905.77 905.64 905.52 905.39 905.21 905.05 904.90 904.78 904.64 904.45 904.20 903.89 903.51 903.21 902.73 902.13 901.46 900.68 899.84 899.34 898.54

906.28 906.16 905.96 905.76 905.57 905.39 905.15 905.02 904.90 904.77 904.59 904.33 904.00 903.64 903.95 903.46 902.89 902.24 901.52 900.72 899.84 898.88 897.85

906.39 906.26 906.14 906.01 905.87 905.68 905.49 905.32 905.51 905.39 905.26 905.13 904.95 904.70 904.36 903.74 903.18 902.53 901.81 901.00 900.13 899.17 898.13

906.67 906.55 906.42 906.30 906.17 906.05 905.92 905.80 905.67 905.55 905.42 905.24 904.98 904.65 904.24 904.03 903.46 902.82 902.09 901.29 900.41 899.45 898.42

906.96 906.83 906.71 906.58 906.46 906.33 906.21 906.08 905.96 905.83 905.71 905.53 905.27 904.93 904.52 904.02 902.95 902.23 901.85 900.97 900.09 899.05

907.59 907.47 907.34 907.22 907.09 906.97 906.84 906.72 906.59 906.47 906.34 906.16 905.90 905.57 905.16 904.67

719+00 720+00 721+00 722+00 723+00 724+00

919+00 920+00 921+00 922+00 923+00

EX. R/W

(904.16)

(903.43)

DELLSHIRE DRIVE

EX. R/W

PROJECT NO: 6145-01-74	HWY: USH 12	COUNTY: SAUK	PAVING GRADES	SHEET 173	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-74\021401_JD.DWG
LAYOUT NAME - 021208_jd

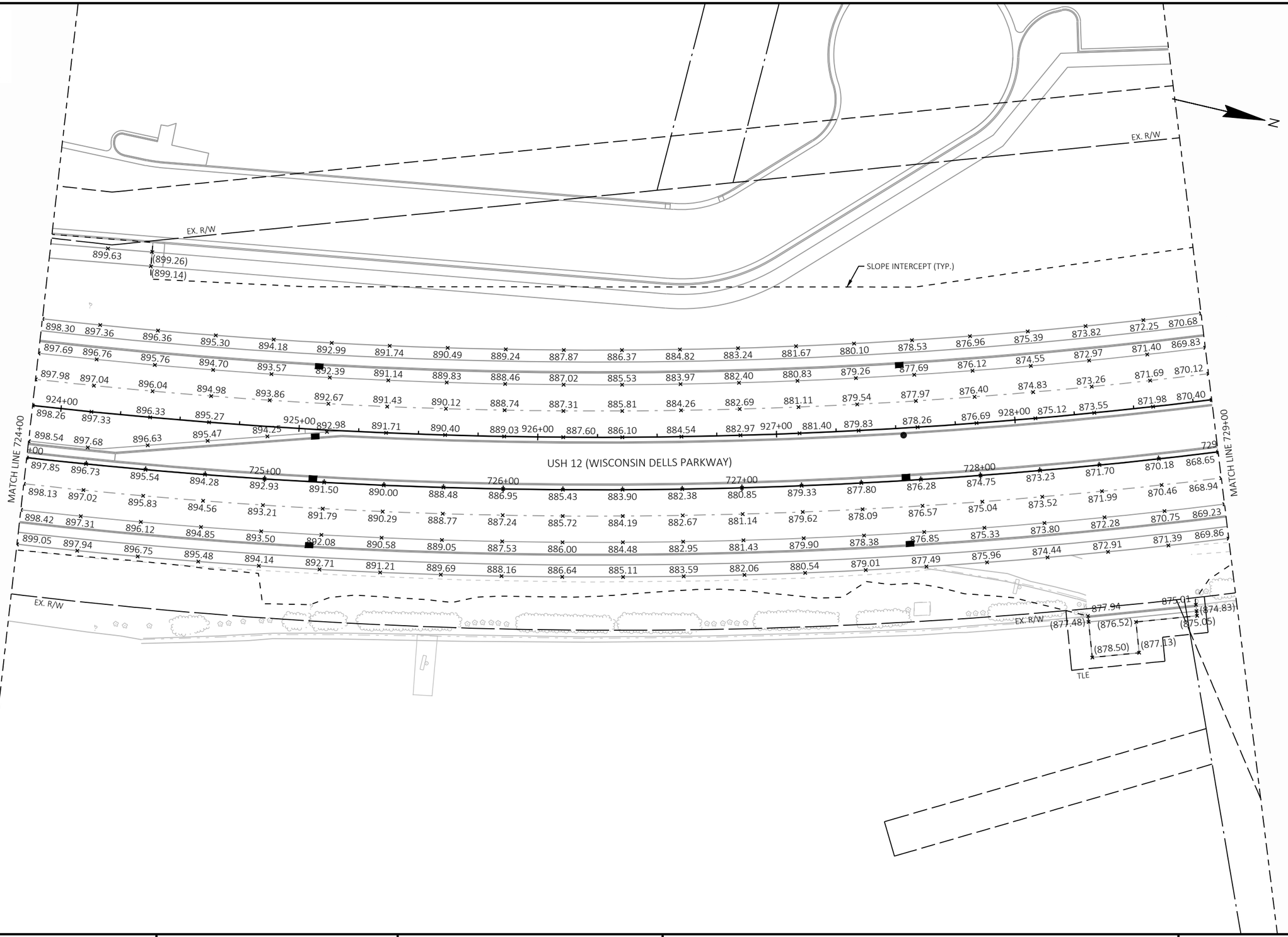
PLOT DATE : 6/26/2025 11:34 AM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

XXX.XX	PROPOSED ELEVATION
(XXX.XX)	EXISTING ELEVATION
	REJECT GUTTER



PROJECT NO: 6145-01-74	HWY: USH 12	COUNTY: SAUK	PAVING GRADES	SHEET 174	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-74\021401_JD.DWG
LAYOUT NAME - 021209_jd

PLOT DATE : 6/18/2025 2:20 PM PLOT BY : BARRETT, WILL PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

XXX.XX PROPOSED ELEVATION

(XXX.XX) EXISTING ELEVATION

REJECT GUTTER

EX. R/W

EX. R/W

SLOPE INTERCEPT (TYP.)

SEE CURB RAMP DETAILS FOR ADDITIONAL INFORMATION

(851.02)

(850.80)

870.68 869.11 867.54 865.97 864.39 862.84 861.43 859.94 858.45 856.95 855.45 853.92 852.33 850.74 849.16 847.57 845.98 844.35 842.67 841.27 839.97 838.73 837.62

869.83 868.26 866.69 865.12 863.55 861.99 860.57 859.07 857.57 856.07 854.57 853.04 851.46 849.87 848.28 846.70 845.11 843.53 842.04 840.64 839.34 838.13 837.02

870.12 868.55 866.98 865.41 863.84 862.27 860.79 859.29 857.79 856.29 854.79 853.26 851.68 850.09 848.50 846.92 845.33 843.75 842.26 840.86 839.56 838.35 837.24

870.40 869.00+00 868.83 867.26 865.69 864.12 930+00 862.55 860.98 859.39 857.81 931+00 856.22 854.63 853.04 851.46 932+00 849.87 848.28 846.70 845.11 933+00 843.53 842.04 840.64 839.34 934+00 837.02

846.77 838.13

USH 12 (WISCONSIN DELLS PARKWAY)

844.60 843.09 841.66 840.40 839.10 837.89 836.79

841.59

MATCH LINE 729+00

868.65 867.13 865.60 864.08 730+00 862.55 861.03 859.50 857.98 856.45 731+00 854.93 853.40 851.88 850.35 732+00 848.83 847.30 845.78 845.90 844.25 733+00 842.74 841.32 839.98 838.75 734+00 837.61 836.57

868.94 867.41 865.89 864.36 862.84 861.31 859.72 858.20 856.67 855.15 853.62 852.10 850.57 849.05 847.52 846.00 844.47 842.96 841.53 840.20 838.97 837.83 836.79

869.23 867.70 866.18 864.65 863.13 861.59 859.92 858.30 856.69 855.07 853.46 851.88 850.35 848.83 847.30 845.78 844.25 842.74 841.31 839.98 838.75 837.61 836.57

869.86 868.34 866.81 865.29 863.76 862.22 860.55 858.94 857.32 855.71 854.09 852.51 850.99 849.46 847.94 846.41 844.47 842.95 841.95 840.62 839.38 838.17 837.13

MATCH LINE 734+50

EX. R/W

(846.64)

(844.68)

EX. R/W

PROJECT NO: 6145-01-74	HWY: USH 12	COUNTY: SAUK	PAVING GRADES	SHEET 175	E

2

LEGEND

XXX.XX PROPOSED ELEVATION

(XXX.XX) EXISTING ELEVATION

REJECT GUTTER

N

EX. R/W

TLE

PLE

PR. R/W

SEE CURB RAMP DETAILS FOR ADDITIONAL INFORMATION

SEE CURB RAMP DETAILS FOR ADDITIONAL INFORMATION

(831.19)

(832.05)

MATCH LINE 734+50

MATCH LINE 740+00

USH 12 (WISCONSIN DELLS PARKWAY)

SLOPE INTERCEPT (TYP.)

(831.24)

(831.42)

PROJECT NO: 6145-01-74	HWY: USH 12	COUNTY: SAUK	PAVING GRADES	SHEET 176 E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-74\021401_JD.DWG
LAYOUT NAME - 021211_jd

PLOT DATE : 6/26/2025 11:37 AM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

2

LEGEND

XXX.XX PROPOSED ELEVATION

(XXX.XX) EXISTING ELEVATION

REJECT GUTTER

N

STH 13

USH 12 (WISCONSIN DELLS PARKWAY)

EX. R/W

TLE

PLE

PR R/W

SEE CURB RAMP DETAILS FOR ADDITIONAL INFORMATION

END PROJECT 6145-01-74
STA. 742+91.59

MATCH LINE 740+00

SLOPE INTERCEPT (TYP.)

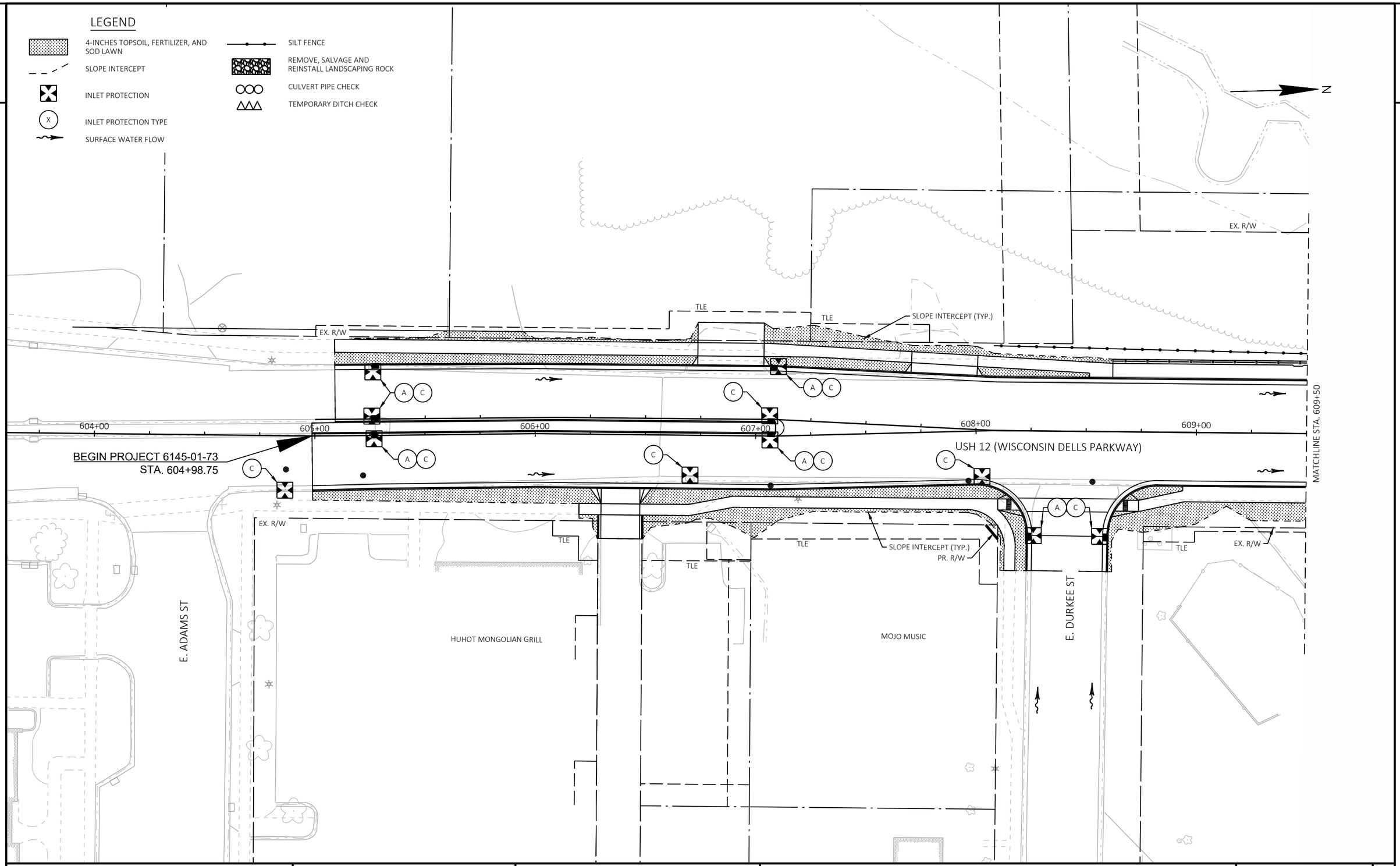
PROJECT NO: 6145-01-74	HWY: USH 12	COUNTY: SAUK	PAVING GRADES	SHEET 177 E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-74\021401_JD.DWG
LAYOUT NAME - 021212_jd
PLOT DATE : 6/18/2025 2:21 PM PLOT BY : BARRETT, WILL PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

LEGEND

- 4-INCHES TOPSOIL, FERTILIZER, AND SOD LAWN
- SLOPE INTERCEPT
- INLET PROTECTION
- (X) INLET PROTECTION TYPE
- SURFACE WATER FLOW
- SILT FENCE
- REMOVE, SALVAGE AND REINSTALL LANDSCAPING ROCK
- CULVERT PIPE CHECK
- TEMPORARY DITCH CHECK



PROJECT NO: 6145-01-73	HWY: USH 12	COUNTY: SAUK	EROSION CONTROL	SHEET 178	E

FILE NAME : X:\MIL\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-73\022001-EC.DWG
LAYOUT NAME - 022001-ec
PLOT DATE : 8/20/2025 1:36 PM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- 4-INCHES TOPSOIL, FERTILIZER, AND SOD LAWN
- SLOPE INTERCEPT
- INLET PROTECTION
- (X) INLET PROTECTION TYPE
- SURFACE WATER FLOW
- SILT FENCE
- REMOVE, SALVAGE AND REINSTALL LANDSCAPING ROCK
- CULVERT PIPE CHECK
- TEMPORARY DITCH CHECK

N

MATCHLINE STA. 609+50

610+00 611+00 612+00 613+00 614+00 615

MATCHLINE STA. 615+00

USH 12 (WISCONSIN DELLS PARKWAY)

EX. R/W
TLE
⊙M.P.
SLOPE INTERCEPT (TYP.)
PR. R/W
A D
A C
VENT

2

PROJECT NO: 6145-01-73	HWY: USH 12	COUNTY: SAUK	EROSION CONTROL	SHEET 179	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-73\022001-EC.DWG
LAYOUT NAME - 022002-ec

PLOT DATE : 8/20/2025 1:36 PM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:40 FT

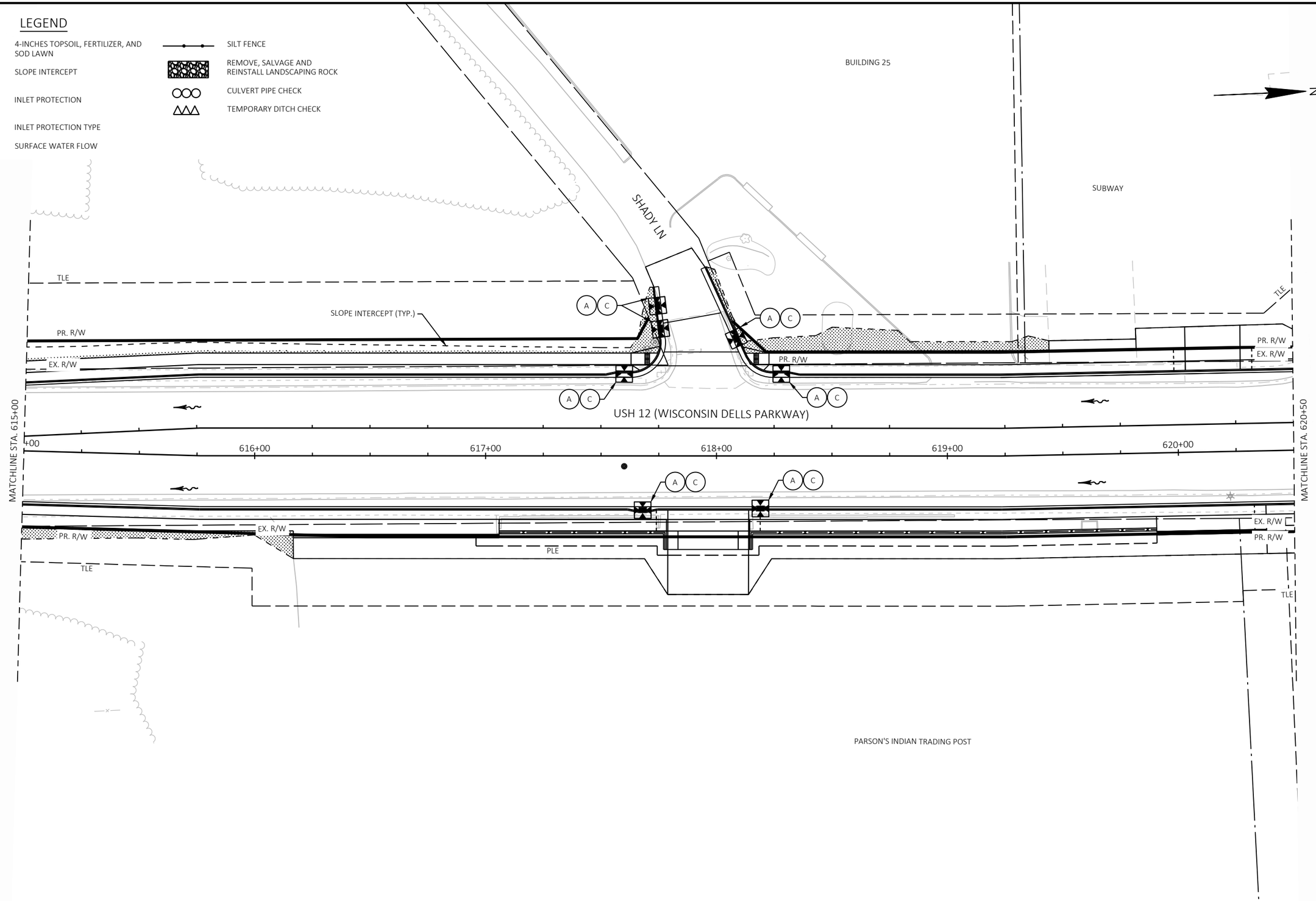
WISDOT/CADDS SHEET 42

2

2

LEGEND

- 4-INCHES TOPSOIL, FERTILIZER, AND SOD LAWN
- SLOPE INTERCEPT
- INLET PROTECTION
- (X) INLET PROTECTION TYPE
- SURFACE WATER FLOW
- SILT FENCE
- REMOVE, SALVAGE AND REINSTALL LANDSCAPING ROCK
- CULVERT PIPE CHECK
- TEMPORARY DITCH CHECK



PROJECT NO: 6145-01-73	HWY: USH 12	COUNTY: SAUK	EROSION CONTROL	SHEET 180	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-73\022001-EC.DWG
LAYOUT NAME - 022003-ec

PLOT DATE : 8/20/2025 1:36 PM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2

LEGEND

- 4-INCHES TOPSOIL, FERTILIZER, AND SOD LAWN
- SLOPE INTERCEPT
- INLET PROTECTION
- (X) INLET PROTECTION TYPE
- SURFACE WATER FLOW
- SILT FENCE
- REMOVE, SALVAGE AND REINSTALL LANDSCAPING ROCK
- CULVERT PIPE CHECK
- TEMPORARY DITCH CHECK

N

SPRINGHILL MARRIOTT

FAIRFIELD MARRIOTT

NEWSOM LN

TLE

PR. R/W

EX. R/W

SLOPE INTERCEPT (TYP.)

USH 12 (WISCONSIN DELLS PARKWAY)

MATCHLINE STA. 620+50

621+00

622+00

623+00

624+00

625+00

626

MATCHLINE STA. 626+00

PLE

LAKE AIRE

TOMMMY BARTLETT INTERACTIVE SCIENCE CENTER

RIDE THE GYRO

PROJECT NO: 6145-01-73	HWY: USH 12	COUNTY: SAUK	EROSION CONTROL	SHEET 181	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-73\022001-EC.DWG
LAYOUT NAME - 022004-ec

PLOT DATE : 8/20/2025 1:36 PM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2

LEGEND

- 4-INCHES TOPSOIL, FERTILIZER, AND SOD LAWN
- SLOPE INTERCEPT
- INLET PROTECTION
- (X) INLET PROTECTION TYPE
- SURFACE WATER FLOW
- SILT FENCE
- REMOVE, SALVAGE AND REINSTALL LANDSCAPING ROCK
- CULVERT PIPE CHECK
- TEMPORARY DITCH CHECK

N

LAKE DELTON CEMETERY

ENVIRONMENTALLY SENSITIVE AREA

USH 12 (WISCONSIN DELLS PARKWAY)

MATCHLINE STA. 626+00

626+00

627+00

628+00

629+00

630+00

631+00

MATCHLINE STA. 631+50

TLE

PR. R/W

EX. R/W

PLE

SLOPE INTERCEPT (TYP.)

HARLEY DAVIDSON OF WISCONSIN DELLS

PROJECT NO: 6145-01-73	HWY: USH 12	COUNTY: SAUK	EROSION CONTROL	SHEET 182	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-73\022001-EC.DWG
LAYOUT NAME - 022005-ec

PLOT DATE : 8/20/2025 1:36 PM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- 4-INCHES TOPSOIL, FERTILIZER, AND SOD LAWN
- SLOPE INTERCEPT
- INLET PROTECTION
- (X) INLET PROTECTION TYPE
- SURFACE WATER FLOW
- SILT FENCE
- REMOVE, SALVAGE AND REINSTALL LANDSCAPING ROCK
- CULVERT PIPE CHECK
- TEMPORARY DITCH CHECK

N

BUILDING 23

PACIFIC SPORTSWEAR

W. HIAWATHA DR

WB ONLY

SLOPE INTERCEPT (TYP.)

TLE

PR. R/W

EX. R/W

A C

USH 12 (WISCONSIN DELLS PARKWAY)

16+00

MATCHLINE STA. 631+50

632+00

633+00

634+00

635+00

636+00

637

MATCHLINE STA. 637+00

EX. R/W

PR. R/W

TLE

PLE

BUILDING 24

LAKE CITY SOCIAL

19+00

E. HIAWATHA DR

PROJECT NO: 6145-01-73	HWY: USH 12	COUNTY: SAUK	EROSION CONTROL	SHEET 183	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-73\022001-EC.DWG
LAYOUT NAME - 022006-ec

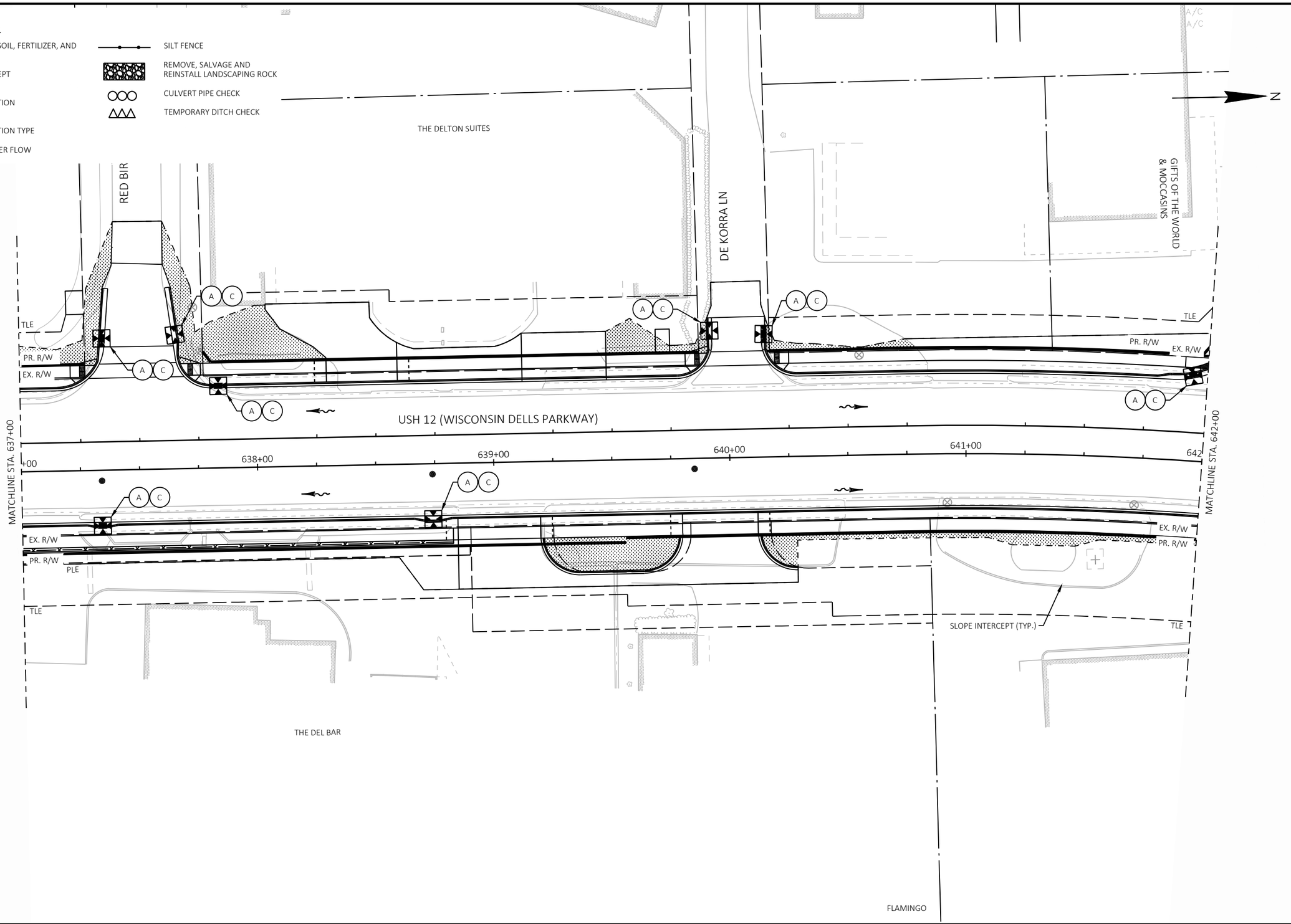
PLOT DATE : 8/20/2025 1:36 PM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- 4-INCHES TOPSOIL, FERTILIZER, AND SOD LAWN
- SLOPE INTERCEPT
- INLET PROTECTION
- X — INLET PROTECTION TYPE
- SURFACE WATER FLOW
- SILT FENCE
- REMOVE, SALVAGE AND REINSTALL LANDSCAPING ROCK
- CULVERT PIPE CHECK
- TEMPORARY DITCH CHECK



PROJECT NO: 6145-01-73	HWY: USH 12	COUNTY: SAUK	EROSION CONTROL	SHEET 184	E

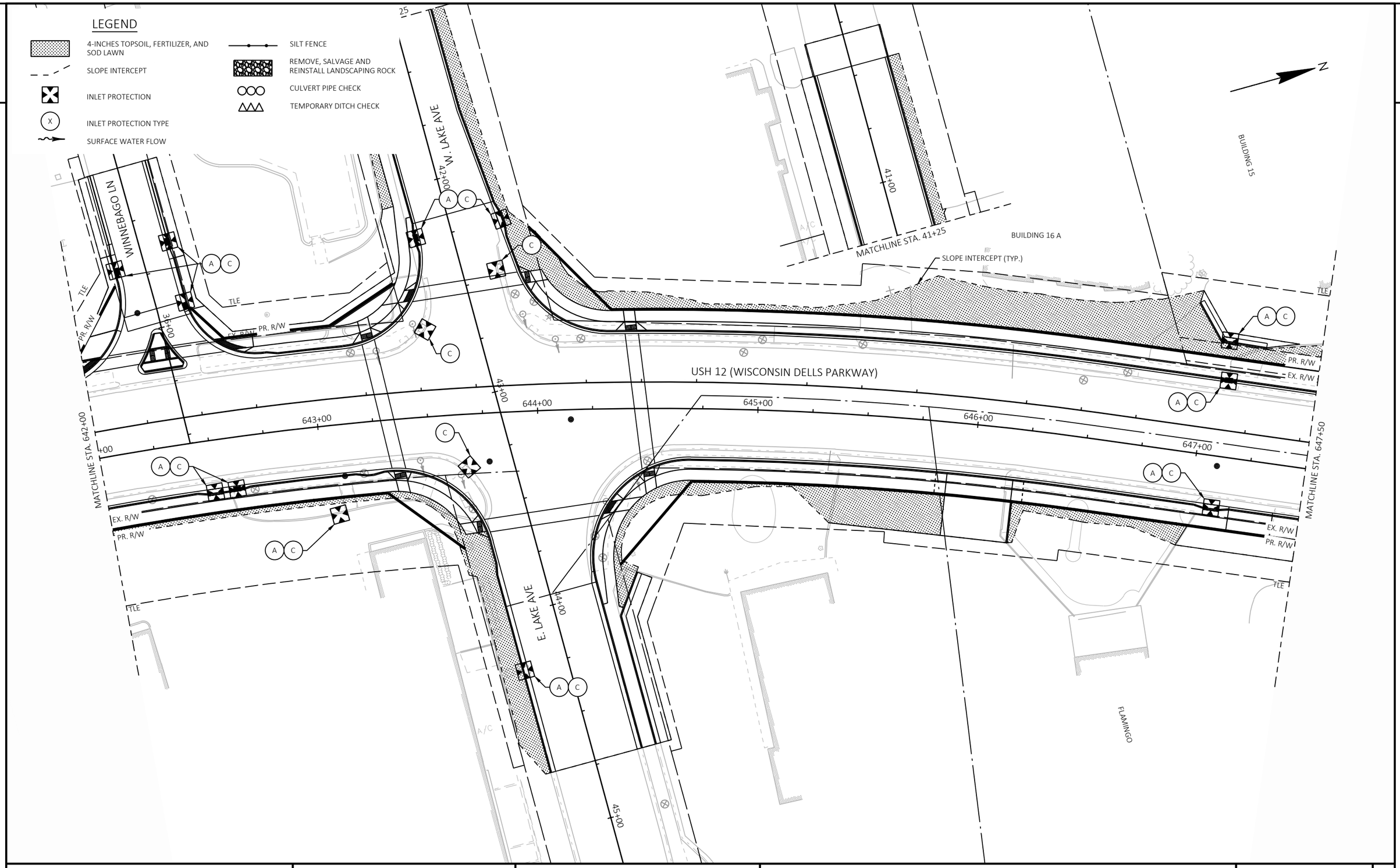
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PLOT DATE : 8/20/2025 1:36 PM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:40 FT

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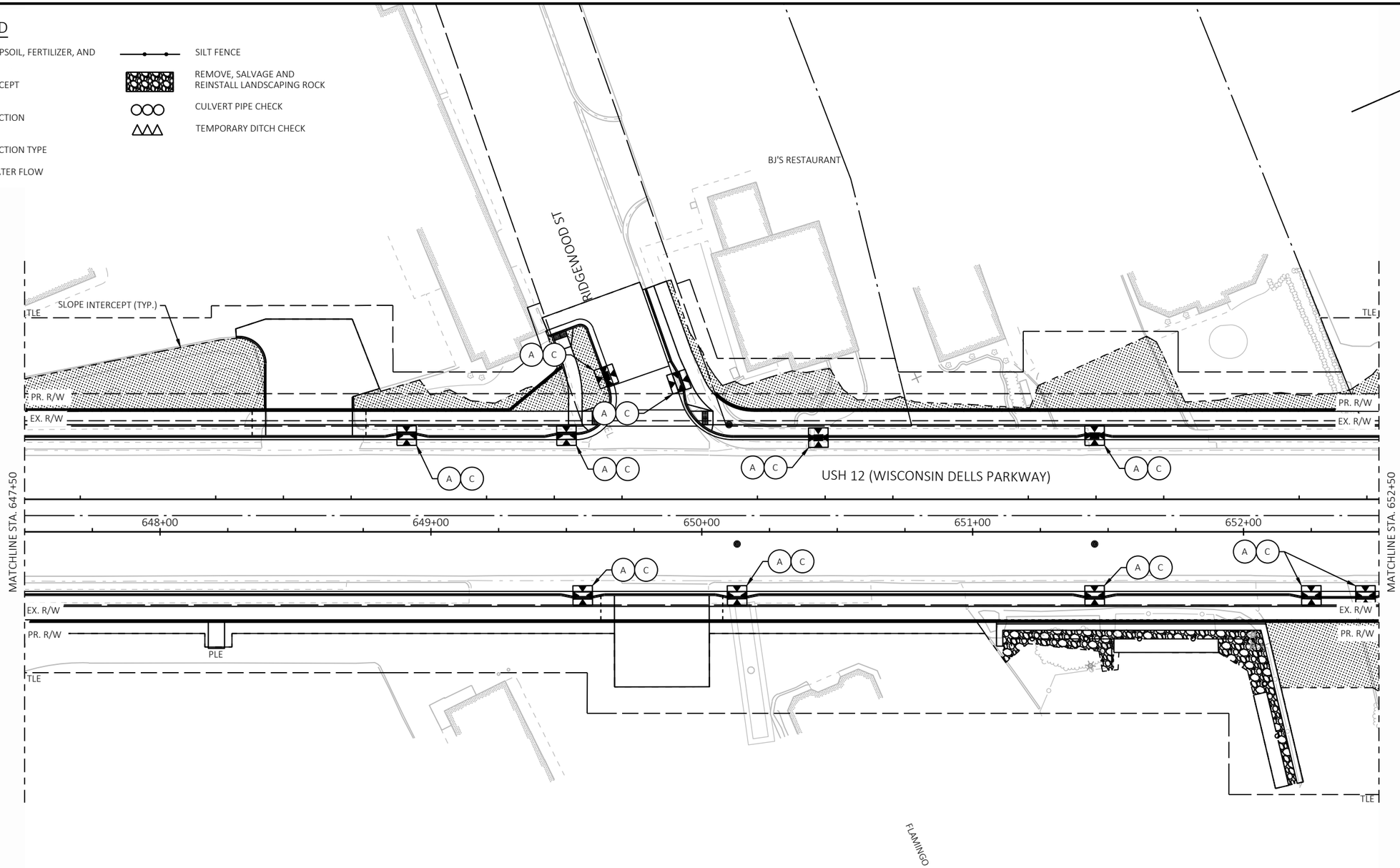
LEGEND

- 4-INCHES TOPSOIL, FERTILIZER, AND SOD LAWN
- SLOPE INTERCEPT
- INLET PROTECTION
- (X) INLET PROTECTION TYPE
- SURFACE WATER FLOW
- SILT FENCE
- REMOVE, SALVAGE AND REINSTALL LANDSCAPING ROCK
- CULVERT PIPE CHECK
- TEMPORARY DITCH CHECK



LEGEND

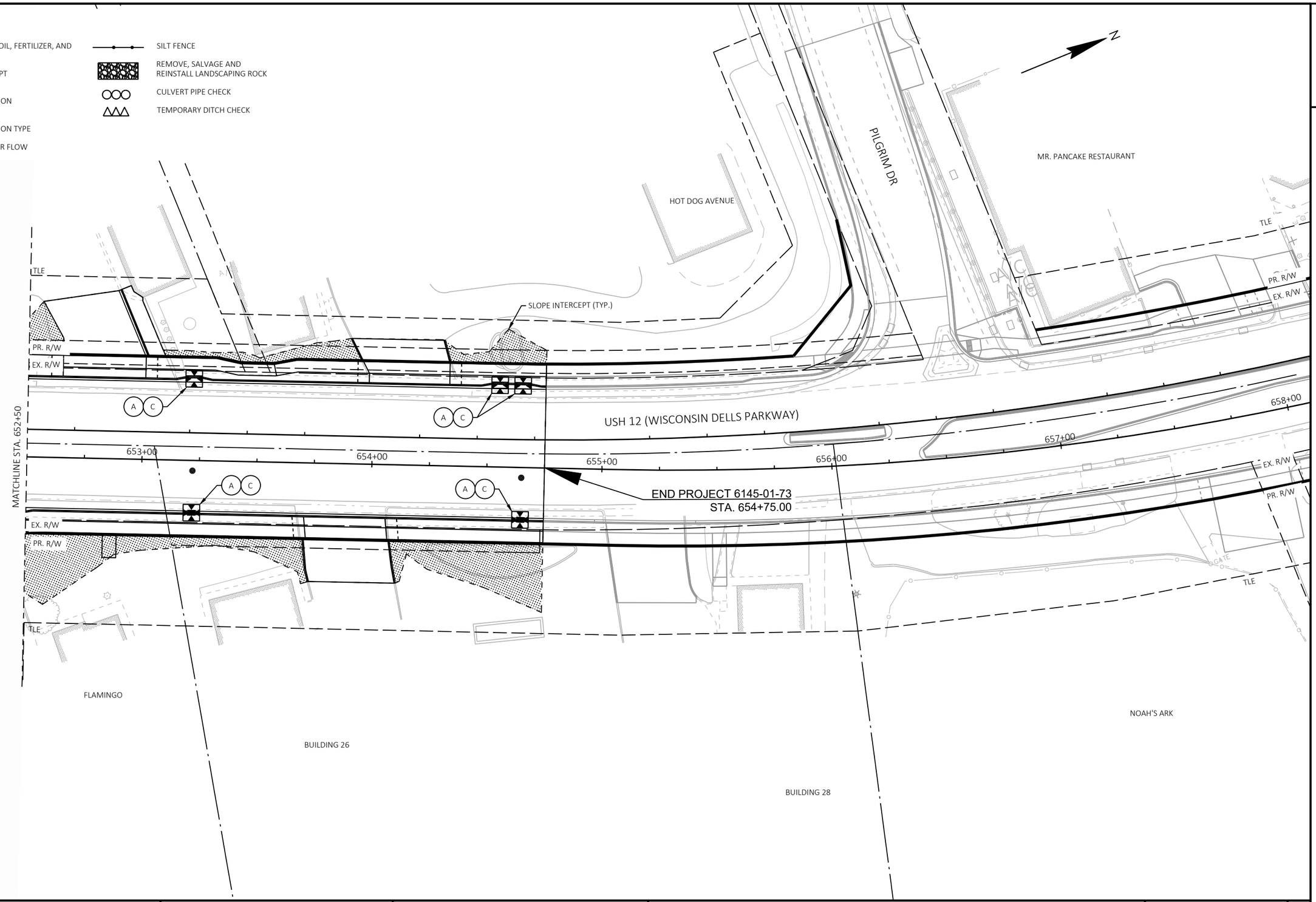
- 4-INCHES TOPSOIL, FERTILIZER, AND SOD LAWN
- SLOPE INTERCEPT
- INLET PROTECTION
- X — INLET PROTECTION TYPE
- SURFACE WATER FLOW
- SILT FENCE
- REMOVE, SALVAGE AND REINSTALL LANDSCAPING ROCK
- CULVERT PIPE CHECK
- TEMPORARY DITCH CHECK



2

LEGEND

- 4-INCHES TOPSOIL, FERTILIZER, AND SOD LAWN
- SLOPE INTERCEPT
- INLET PROTECTION
- INLET PROTECTION TYPE (X)
- SURFACE WATER FLOW
- SILT FENCE
- REMOVE, SALVAGE AND REINSTALL LANDSCAPING ROCK
- CULVERT PIPE CHECK
- TEMPORARY DITCH CHECK



PROJECT NO: 6145-01-73	HWY: USH 12	COUNTY: SAUK	EROSION CONTROL	SHEET 187	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-73\022001-EC.DWG
LAYOUT NAME - 022010-ec

PLOT DATE : 8/20/2025 1:37 PM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2

LEGEND

- 4-INCHES TOPSOIL, FERTILIZER, AND SOD LAWN
- SLOPE INTERCEPT
- INLET PROTECTION
- (X) INLET PROTECTION TYPE
- SURFACE WATER FLOW
- SILT FENCE
- REMOVE, SALVAGE AND REINSTALL LANDSCAPING ROCK
- CULVERT PIPE CHECK
- TEMPORARY DITCH CHECK

N

HOT DOG AVENUE

TLE

PR. R/W

EX. R/W

850+00 851+00 852+00 853+00 854+00 855+00

650+00 651+00 652+00 653+00 654+00 655+00

MATCHLINE STA. 655+50

USH 12 (WISCONSIN DELLS PARKWAY)

EX. R/W

PR. R/W

BEGIN PROJECT 6145-01-72
STA. 654+75.00

TLE

SLOPE INTERCEPT (TYP.)

FLAMINGO

BUILDING 26

PROJECT NO: 6145-01-72	HWY: USH 12	COUNTY: SAUK	EROSION CONTROL	SHEET 188	E

2

LEGEND

- 4-INCHES TOPSOIL, FERTILIZER, AND SOD LAWN
- SLOPE INTERCEPT
- INLET PROTECTION
- (X) INLET PROTECTION TYPE
- SURFACE WATER FLOW
- SILT FENCE
- REMOVE, SALVAGE AND REINSTALL LANDSCAPING ROCK
- CULVERT PIPE CHECK
- TEMPORARY DITCH CHECK

BEGIN CONSTRUCTION
STA. 55+35.87

N

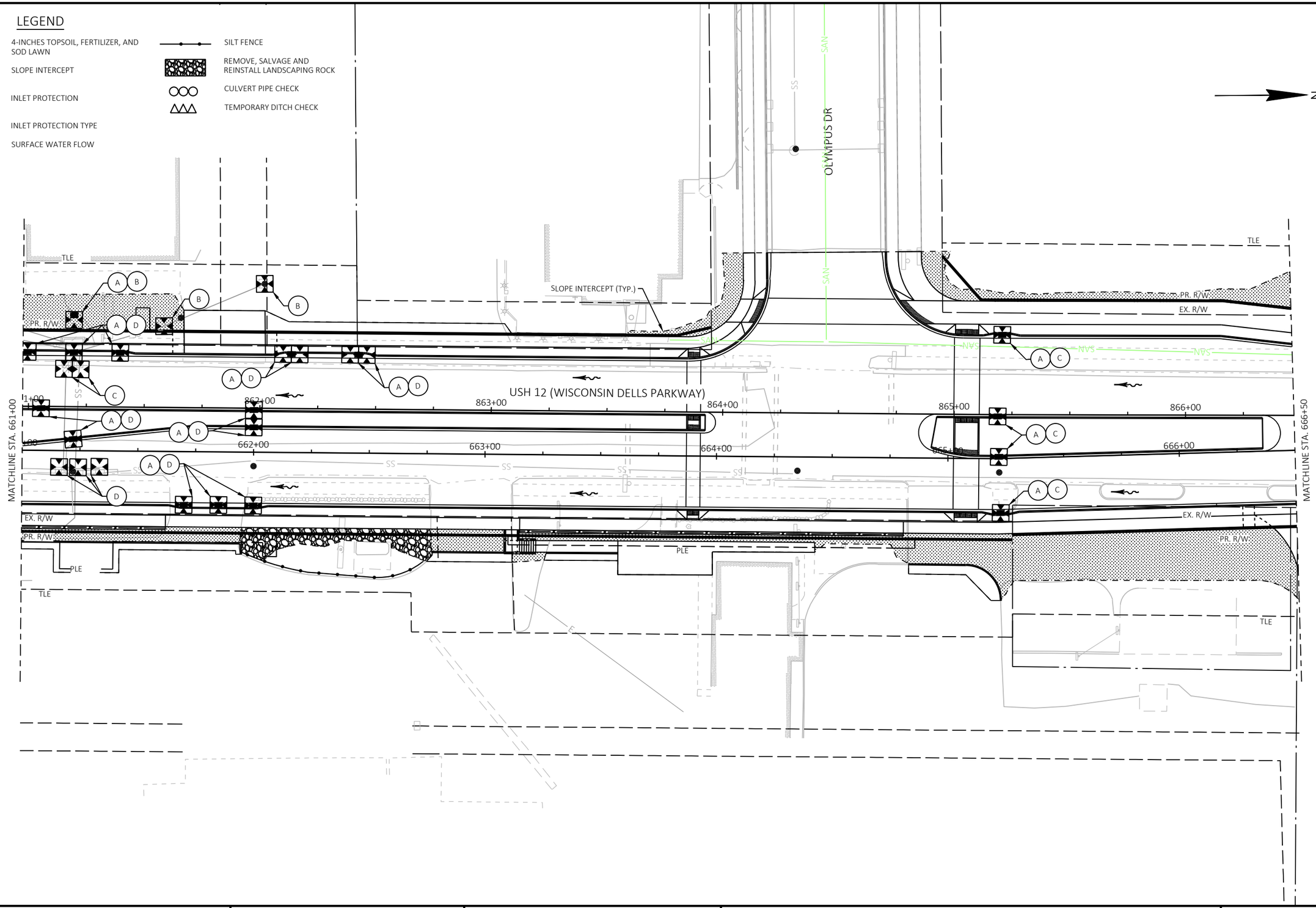
HOT DOG AVENUE
TLE
PR. R/W
EX. R/W
SS
SLOPE INTERCEPT (TYP.)
MATCHLINE STA. 655+50
MATCHLINE STA. 661+00
856+00
857+00
858+00
859+00
860+00
656+00
657+00
658+00
659+00
660+00
USH 12 (WISCONSIN DELLS PARKWAY)
GATE
BUILDING 28

PROJECT NO: 6145-01-72	HWY: USH 12	COUNTY: SAUK	EROSION CONTROL	SHEET 189	E

2

LEGEND

- 4-INCHES TOPSOIL, FERTILIZER, AND SOD LAWN
- SLOPE INTERCEPT
- INLET PROTECTION
- (X) INLET PROTECTION TYPE
- SURFACE WATER FLOW
- SILT FENCE
- REMOVE, SALVAGE AND REINSTALL LANDSCAPING ROCK
- CULVERT PIPE CHECK
- TEMPORARY DITCH CHECK



PROJECT NO: 6145-01-72	HWY: USH 12	COUNTY: SAUK	EROSION CONTROL	SHEET 190	E

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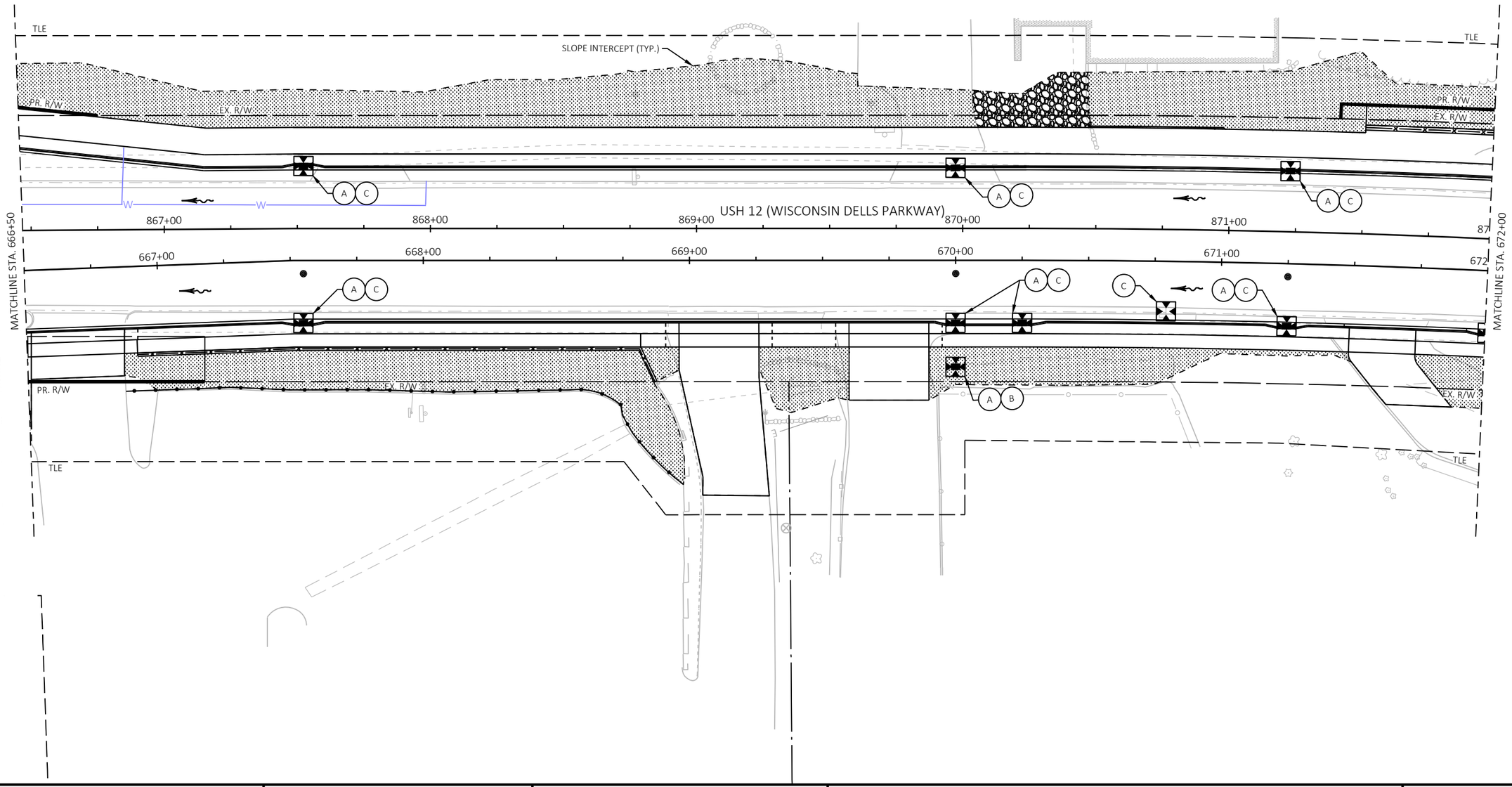
PLOT DATE : 8/20/2025 1:37 PM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

LEGEND

- 4-INCHES TOPSOIL, FERTILIZER, AND SOD LAWN
- SLOPE INTERCEPT
- INLET PROTECTION
- (X) INLET PROTECTION TYPE
- SURFACE WATER FLOW
- SILT FENCE
- REMOVE, SALVAGE AND REINSTALL LANDSCAPING ROCK
- CULVERT PIPE CHECK
- TEMPORARY DITCH CHECK

N



PROJECT NO: 6145-01-72	HWY: USH 12	COUNTY: SAUK	EROSION CONTROL	SHEET 191	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-72\022001_EC.DWG
LAYOUT NAME - 022004_ec

PLOT DATE : 8/20/2025 1:37 PM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

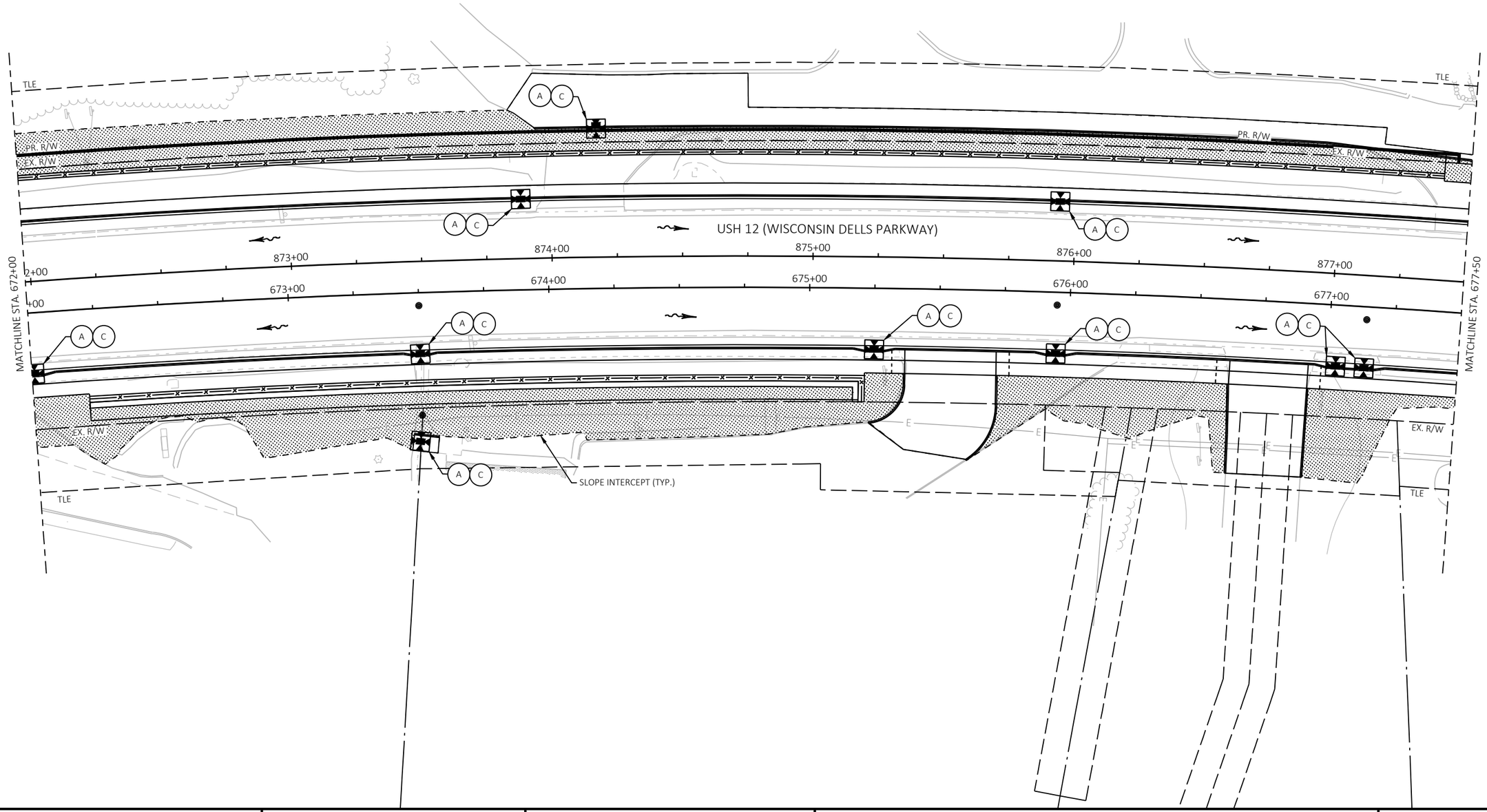
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2

LEGEND

- 4-INCHES TOPSOIL, FERTILIZER, AND SOD LAWN
- SLOPE INTERCEPT
- INLET PROTECTION
- X — INLET PROTECTION TYPE
- SURFACE WATER FLOW
- SILT FENCE
- REMOVE, SALVAGE AND REINSTALL LANDSCAPING ROCK
- CULVERT PIPE CHECK
- TEMPORARY DITCH CHECK

N



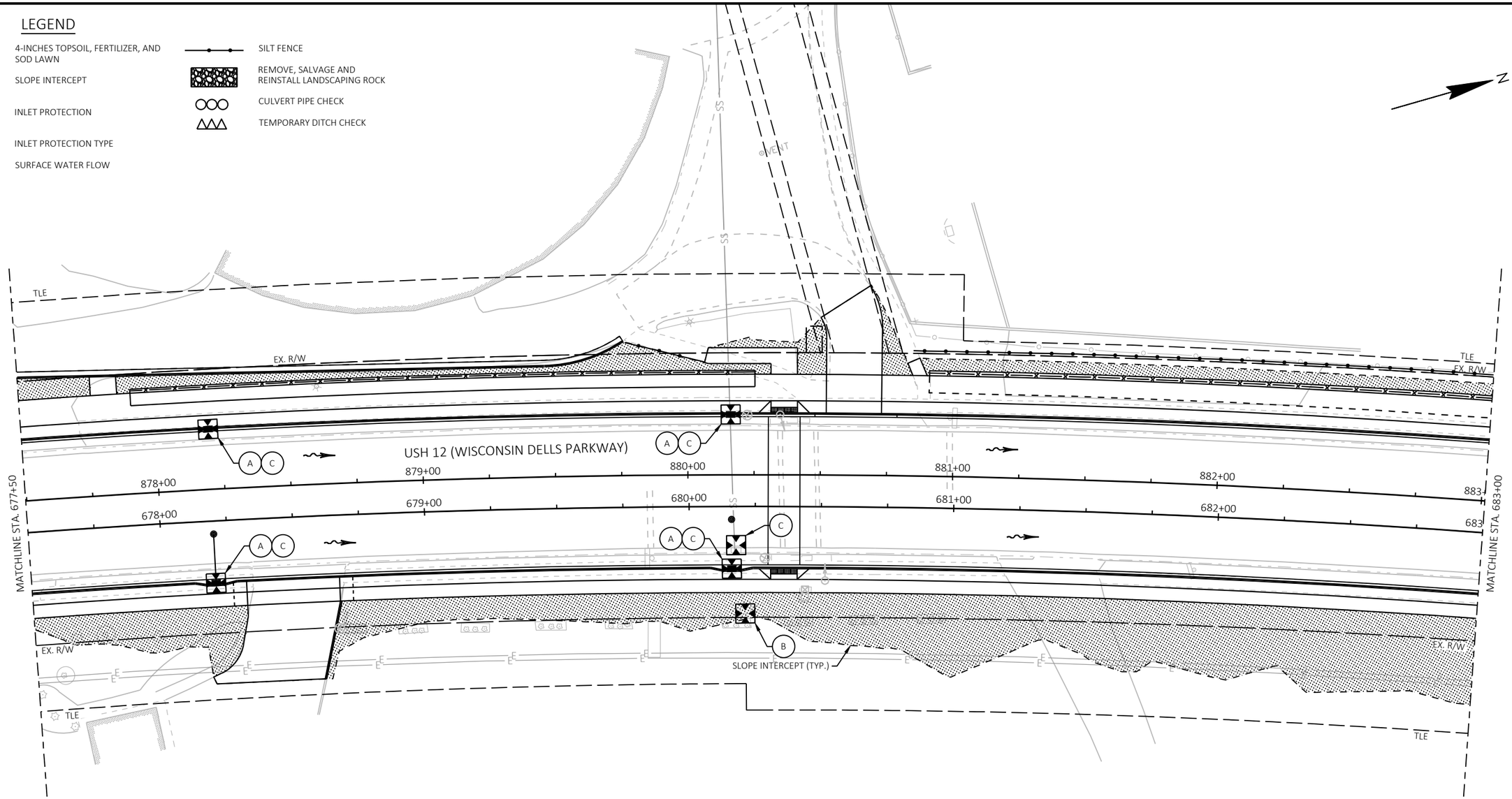
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LAYOUT NAME - 022005_ec
PLOT DATE : 8/20/2025 1:37 PM
PLOT BY : CHAPMAN, JULIE
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

2

LEGEND

- 4-INCHES TOPSOIL, FERTILIZER, AND SOD LAWN
- SLOPE INTERCEPT
- INLET PROTECTION
- (X) INLET PROTECTION TYPE
- SURFACE WATER FLOW
- SILT FENCE
- REMOVE, SALVAGE AND REINSTALL LANDSCAPING ROCK
- CULVERT PIPE CHECK
- TEMPORARY DITCH CHECK

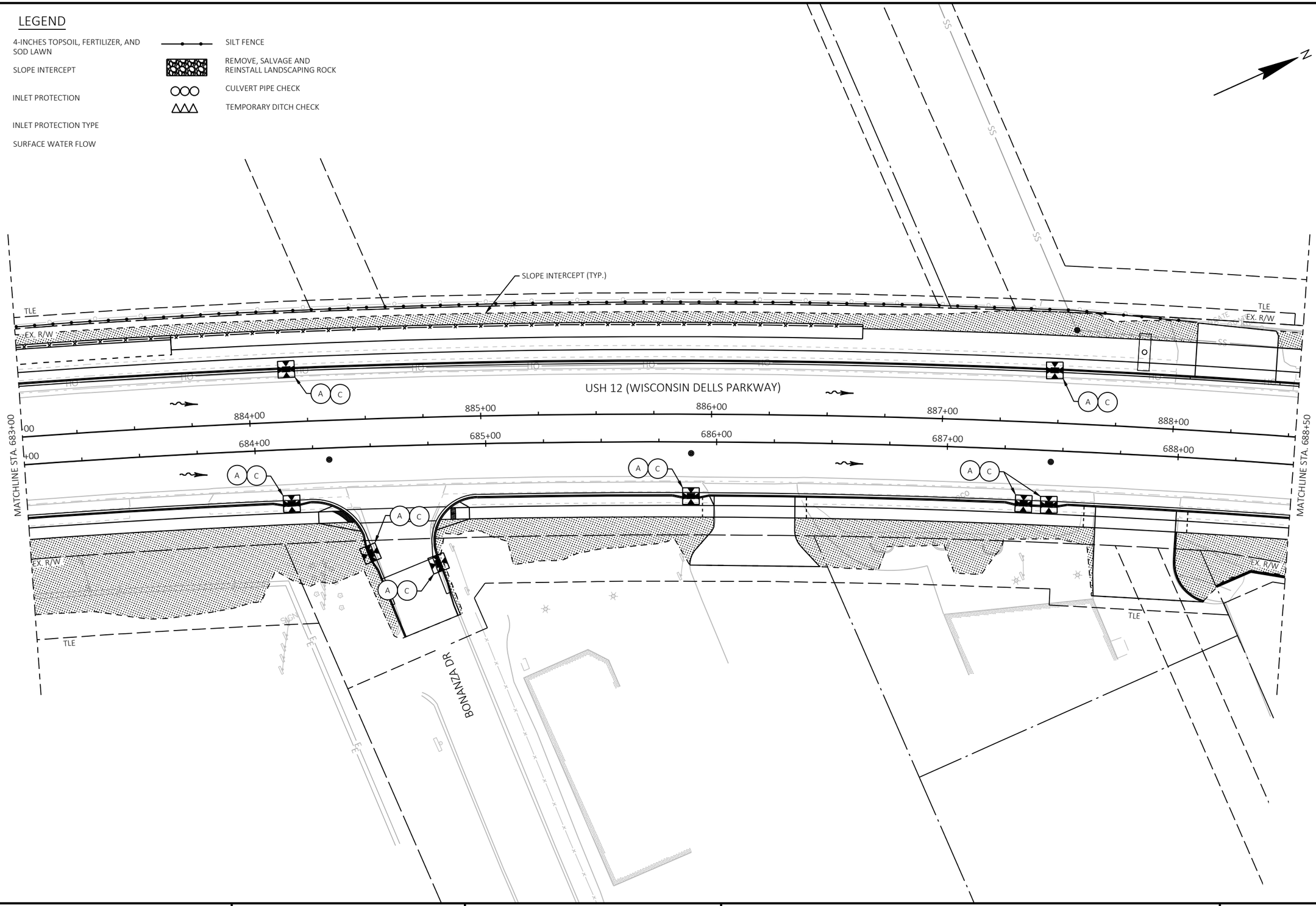


PROJECT NO: 6145-01-72	HWY: USH 12	COUNTY: SAUK	EROSION CONTROL	SHEET 193	E

2

LEGEND

- 4-INCHES TOPSOIL, FERTILIZER, AND SOD LAWN
- SLOPE INTERCEPT
- INLET PROTECTION
- X — INLET PROTECTION TYPE
- SURFACE WATER FLOW
- SILT FENCE
- REMOVE, SALVAGE AND REINSTALL LANDSCAPING ROCK
- CULVERT PIPE CHECK
- TEMPORARY DITCH CHECK



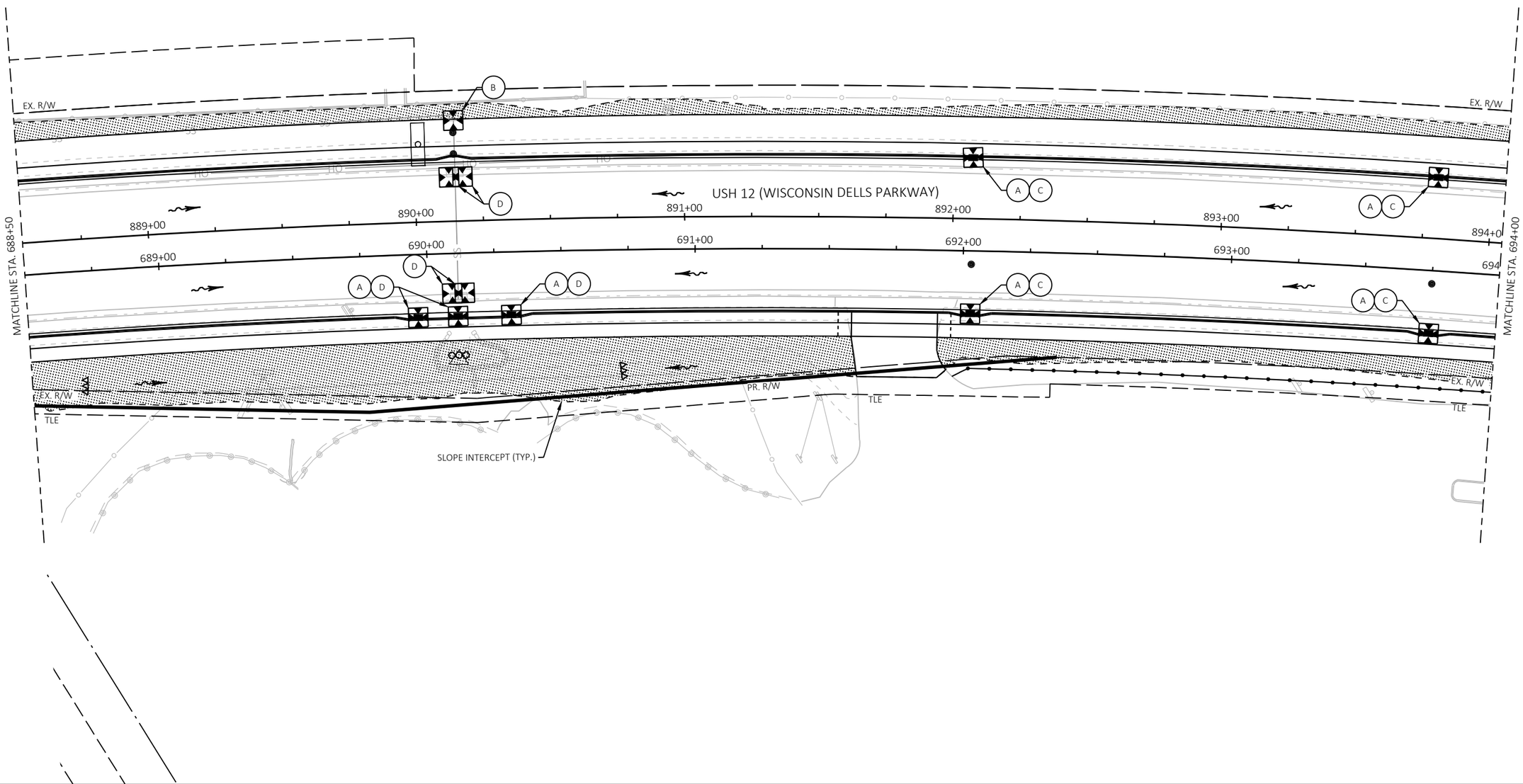
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LAYOUT NAME - 022007_ec
PLOT DATE : 8/20/2025 1:37 PM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

LEGEND

- 4-INCHES TOPSOIL, FERTILIZER, AND SOD LAWN
- SLOPE INTERCEPT
- INLET PROTECTION
- (X) INLET PROTECTION TYPE
- SURFACE WATER FLOW
- SILT FENCE
- REMOVE, SALVAGE AND REINSTALL LANDSCAPING ROCK
- CULVERT PIPE CHECK
- TEMPORARY DITCH CHECK



PROJECT NO: 6145-01-72	HWY: USH 12	COUNTY: SAUK	EROSION CONTROL	SHEET 195	E

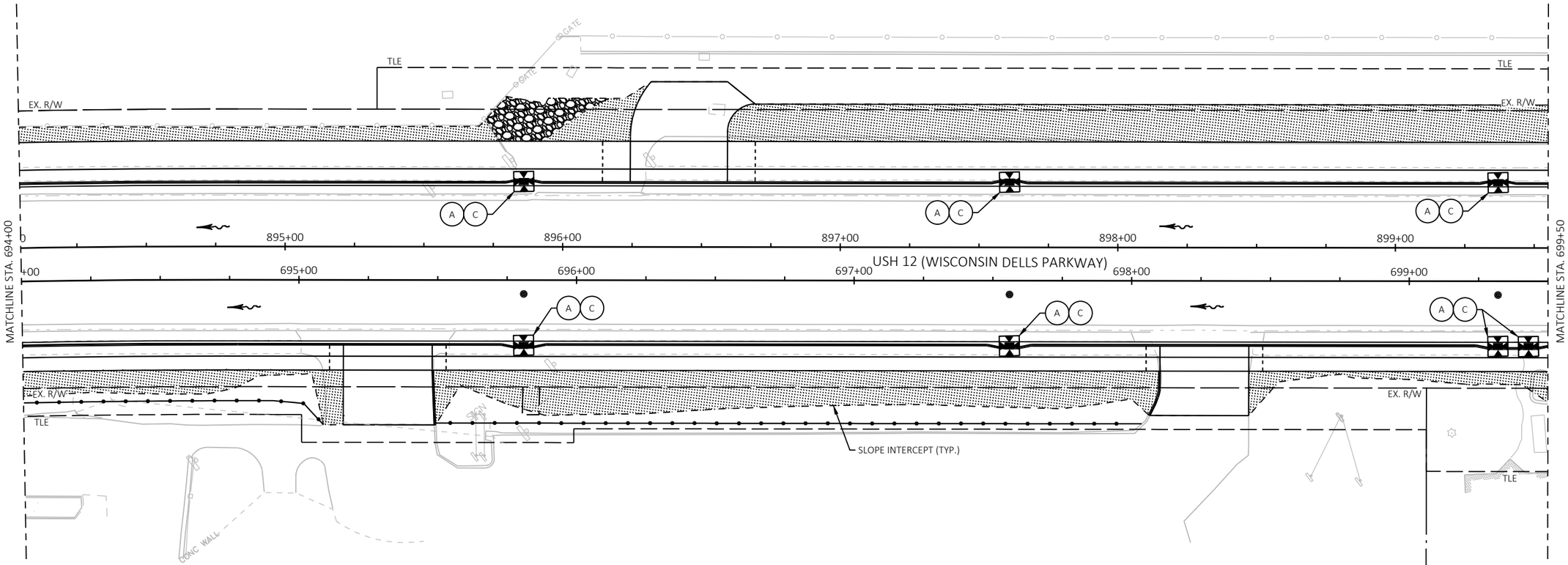
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LAYOUT NAME - 022008_ec
PLOT DATE : 8/20/2025 1:37 PM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

LEGEND

- 4-INCHES TOPSOIL, FERTILIZER, AND SOD LAWN
- SLOPE INTERCEPT
- INLET PROTECTION
- (X) INLET PROTECTION TYPE
- SURFACE WATER FLOW
- SILT FENCE
- REMOVE, SALVAGE AND REINSTALL LANDSCAPING ROCK
- CULVERT PIPE CHECK
- TEMPORARY DITCH CHECK

N



PROJECT NO: 6145-01-72	HWY: USH 12	COUNTY: SAUK	EROSION CONTROL	SHEET 196	E

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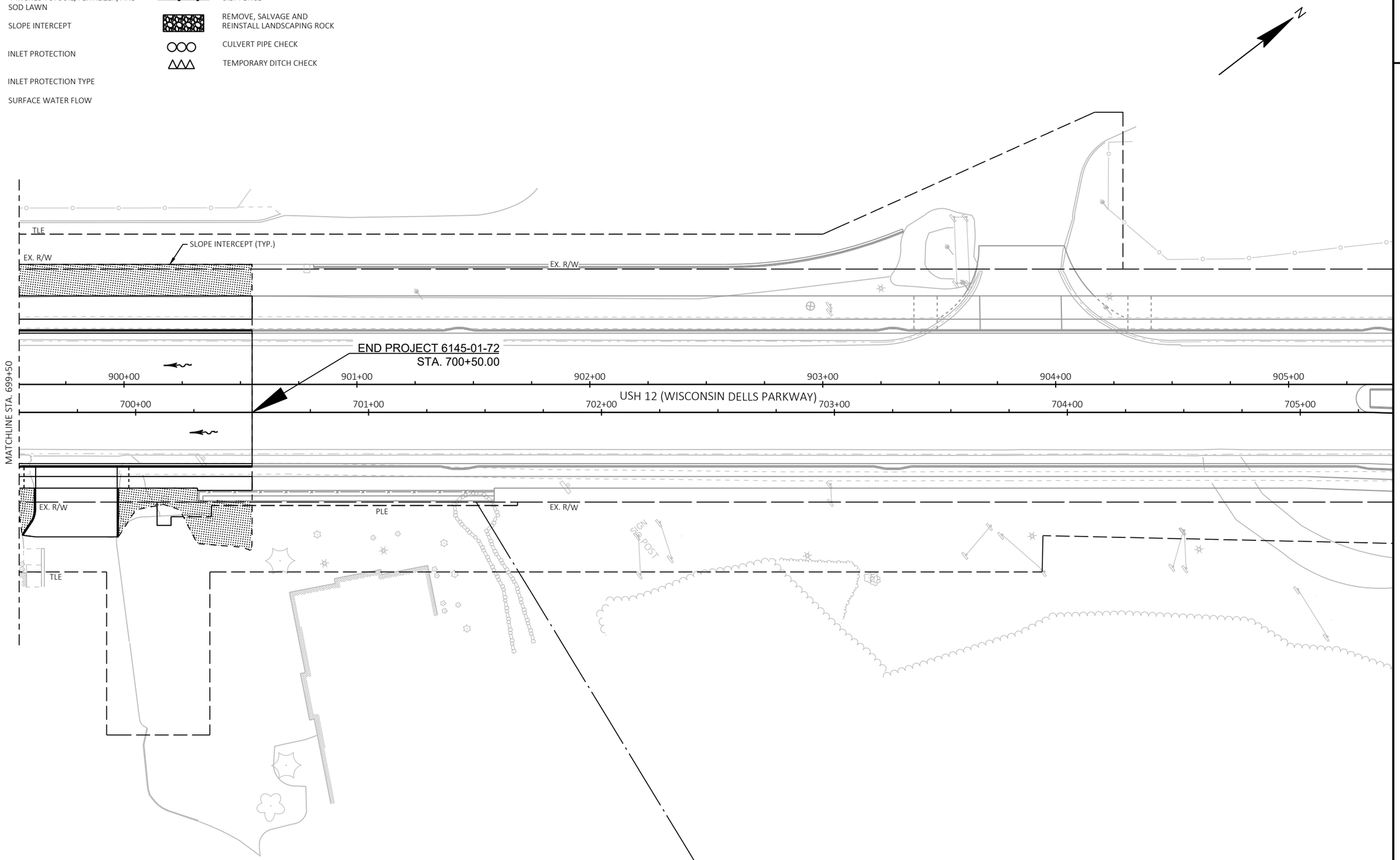
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WISDOT/CADDS SHEET 42

2

LEGEND

- 4-INCHES TOPSOIL, FERTILIZER, AND SOD LAWN
- SLOPE INTERCEPT
- INLET PROTECTION
- (X) INLET PROTECTION TYPE
- SURFACE WATER FLOW
- SILT FENCE
- REMOVE, SALVAGE AND REINSTALL LANDSCAPING ROCK
- CULVERT PIPE CHECK
- TEMPORARY DITCH CHECK



2

PROJECT NO: 6145-01-72	HWY: USH 12	COUNTY: SAUK	EROSION CONTROL	SHEET 197	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-72\022001_EC.DWG
LAYOUT NAME - 022010_ec
PLOT DATE : 8/20/2025 1:38 PM
PLOT BY : CHAPMAN, JULIE
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

LEGEND

- 4-INCHES TOPSOIL, FERTILIZER, AND SOD LAWN
- SLOPE INTERCEPT
- INLET PROTECTION
- INLET PROTECTION TYPE (X)
- SURFACE WATER FLOW
- SILT FENCE
- REMOVE, SALVAGE AND REINSTALL LANDSCAPING ROCK
- CULVERT PIPE CHECK
- TEMPORARY DITCH CHECK

N

TLE
EX. R/W
BEGIN PROJECT 6145-01-74
STA. 700+50.00
A C
897+00 898+00 899+00 900+00 901+00 902+00
697+00 698+00 699+00 700+00 701+00 702+00
USH 12 (WISCONSIN DELLS PARKWAY)
MATCHLINE STA. 702+50
EX. R/W
TLE
A B
SLOPE INTERCEPT (TYP.)
BUILDING 31 B
BUILDING 31 A

PROJECT NO: 6145-01-74	HWY: USH 12	COUNTY: SAUK	EROSION CONTROL	SHEET 198	E

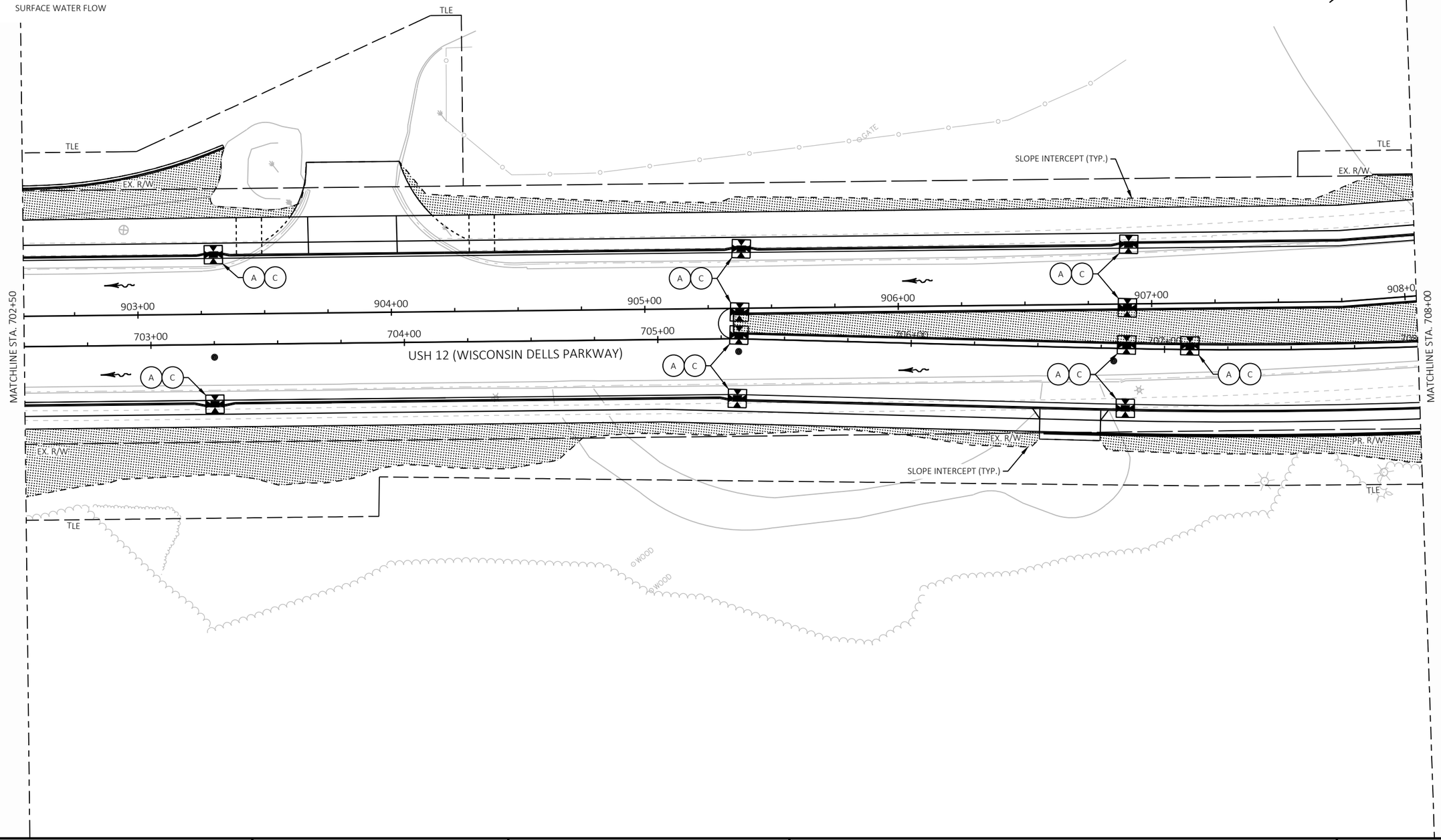
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PLOT DATE : 8/20/2025 1:38 PM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

2

LEGEND

- 4-INCHES TOPSOIL, FERTILIZER, AND SOD LAWN
- SLOPE INTERCEPT
- INLET PROTECTION
- INLET PROTECTION TYPE (X)
- SURFACE WATER FLOW
- SILT FENCE
- REMOVE, SALVAGE AND REINSTALL LANDSCAPING ROCK
- CULVERT PIPE CHECK
- TEMPORARY DITCH CHECK

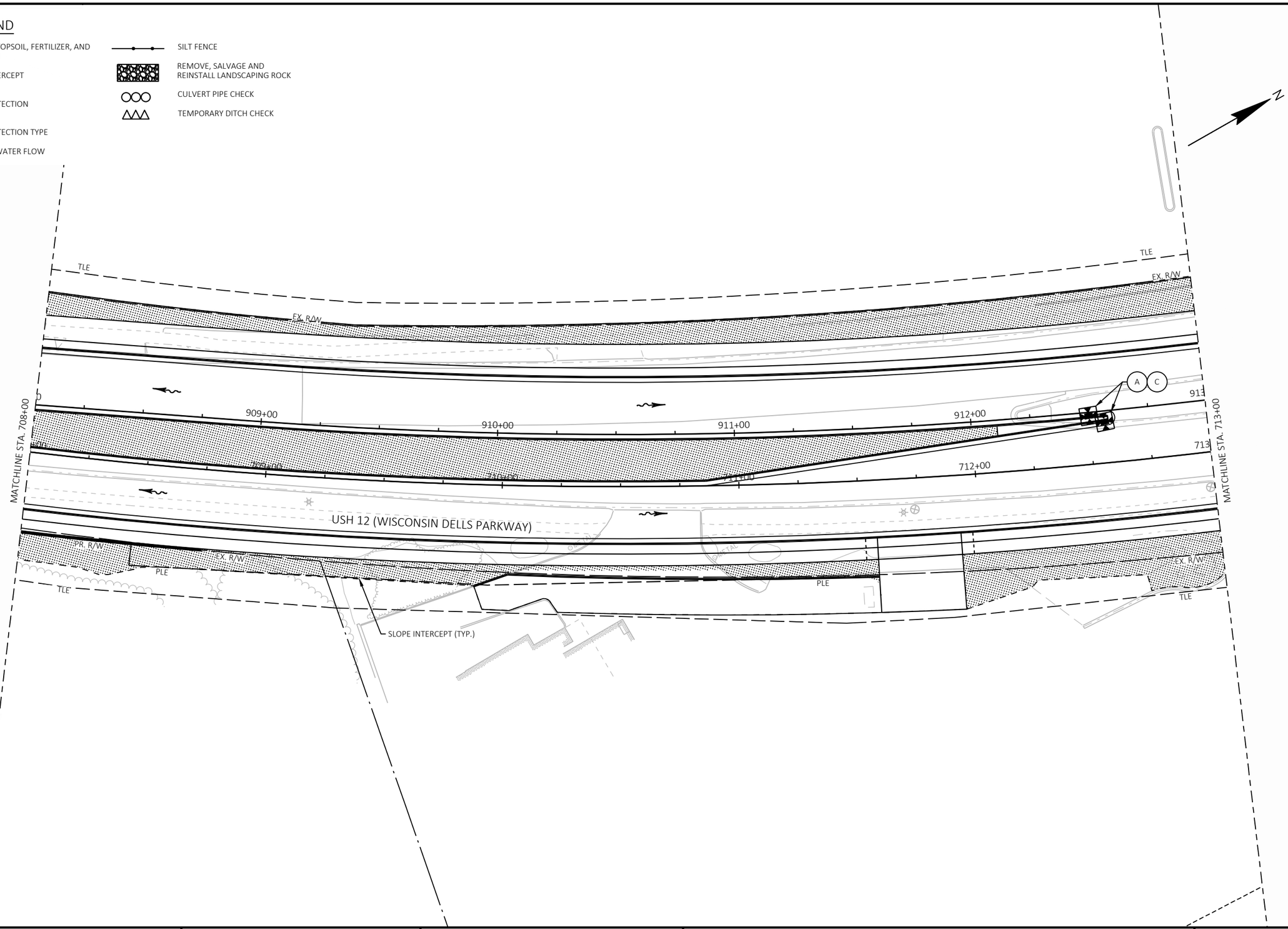


PROJECT NO: 6145-01-74	HWY: USH 12	COUNTY: SAUK	EROSION CONTROL	SHEET 199	E

2

LEGEND

- 4-INCHES TOPSOIL, FERTILIZER, AND SOD LAWN
- SLOPE INTERCEPT
- INLET PROTECTION
- INLET PROTECTION TYPE (X)
- SURFACE WATER FLOW
- SILT FENCE
- REMOVE, SALVAGE AND REINSTALL LANDSCAPING ROCK
- CULVERT PIPE CHECK
- TEMPORARY DITCH CHECK



2

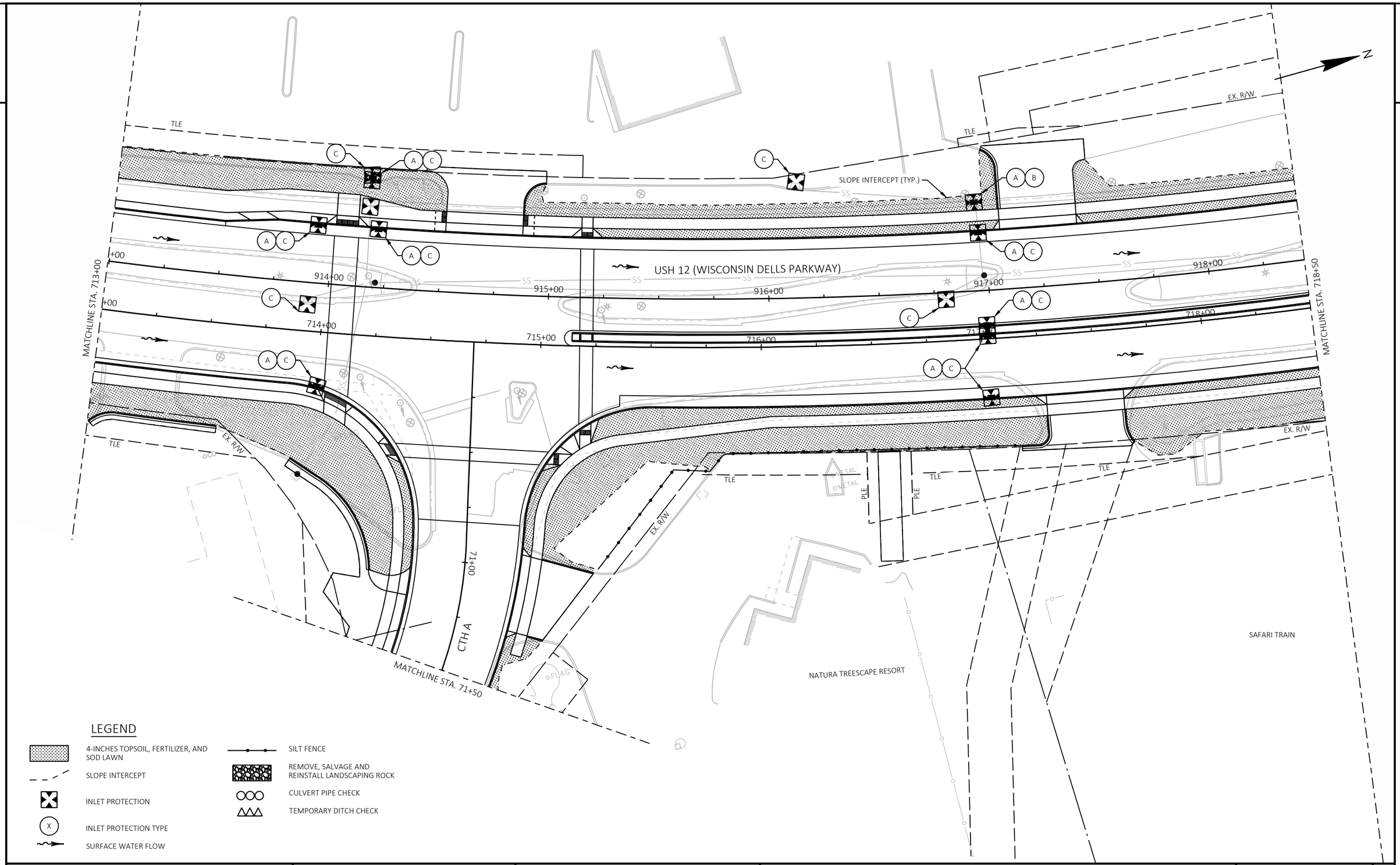
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LAYOUT NAME - 022005-ec

PLOT DATE : 8/20/2025 1:38 PM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2



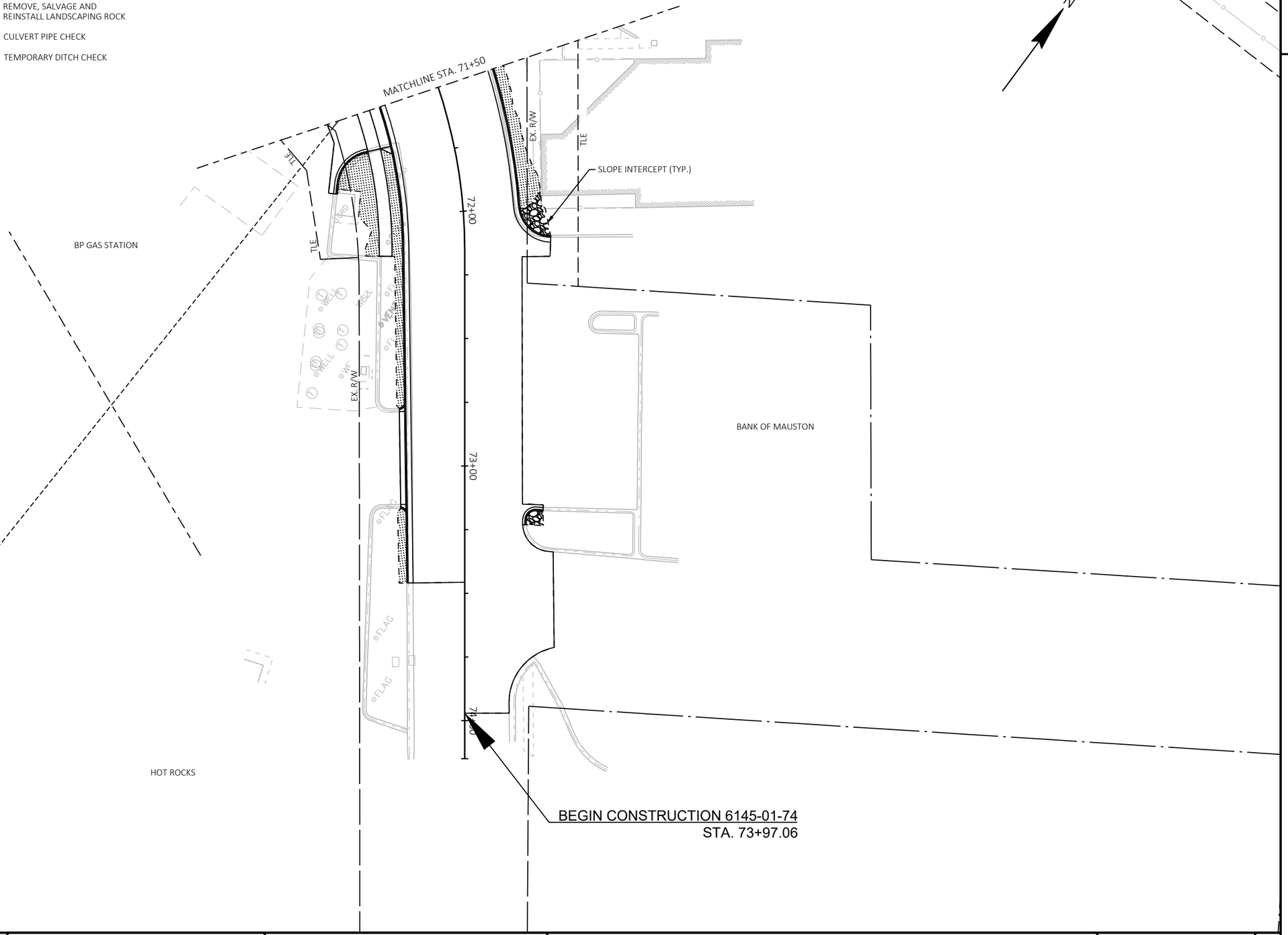
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LAYOUT NAME - 022006-ec

PLOT DATE : 8/20/2025 1:38 PM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:40 FT

LEGEND

- 4-INCHES TOPSOIL, FERTILIZER, AND SOD LAWN
- SLOPE INTERCEPT
- INLET PROTECTION
- INLET PROTECTION TYPE
- SURFACE WATER FLOW
- SILT FENCE
- REMOVE, SALVAGE AND REINSTALL LANDSCAPING ROCK
- CULVERT PIPE CHECK
- TEMPORARY DITCH CHECK



2

PROJECT NO: 6145-01-74	HWY: USH 12	COUNTY: SAUK	EROSION CONTROL	SHEET 202	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-74\022001-EC.DWG
LAYOUT NAME - 022007-ec
PLOT DATE : 8/20/2025 1:38 PM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : ##########
WISDOT/CADDS SHEET 42

2

LEGEND

- 4-INCHES TOPSOIL, FERTILIZER, AND SOD LAWN
- SLOPE INTERCEPT
- INLET PROTECTION
- (X) INLET PROTECTION TYPE
- SURFACE WATER FLOW
- SILT FENCE
- REMOVE, SALVAGE AND REINSTALL LANDSCAPING ROCK
- CULVERT PIPE CHECK
- TEMPORARY DITCH CHECK

GHOST OUTPOST

FORT DELLS LASER OPS COMPOUND

N

R/W

DELLSHIRE DRIVE

EX. R/W

SLOPE INTERCEPT (TYP.)

MATCHLINE STA. 718+50

MATCHLINE STA. 724+00

719+00 720+00 721+00 722+00 723+00

919+00 920+00 921+00 922+00 923+00

USH 12 (WISCONSIN DELLS PARKWAY)

EX. R/W

SLOPE INTERCEPT (TYP.)

EX. R/W

GOODY GOODY GUMDROP

PROJECT NO: 6145-01-74	HWY: USH 12	COUNTY: SAUK	EROSION CONTROL	SHEET 203	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-74\022001-EC.DWG
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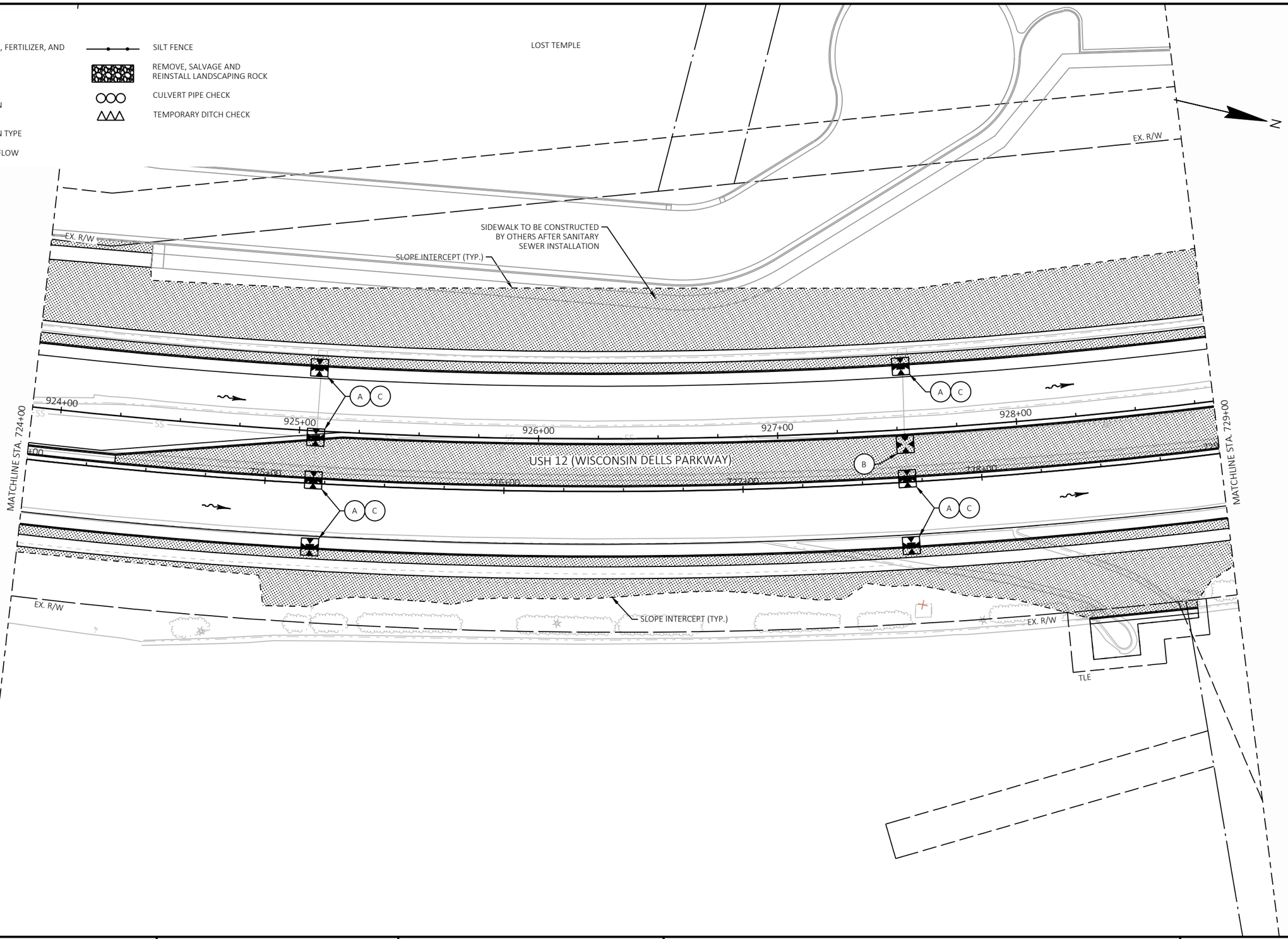
PLOT DATE : 8/20/2025 1:38 PM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- 4-INCHES TOPSOIL, FERTILIZER, AND SOD LAWN
- SLOPE INTERCEPT
- INLET PROTECTION
- (X) INLET PROTECTION TYPE
- SURFACE WATER FLOW
- SILT FENCE
- REMOVE, SALVAGE AND REINSTALL LANDSCAPING ROCK
- CULVERT PIPE CHECK
- TEMPORARY DITCH CHECK



2

PROJECT NO: 6145-01-74	HWY: USH 12	COUNTY: SAUK	EROSION CONTROL	SHEET 204	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-74\022001-EC.DWG
LAYOUT NAME - 022009-ec

PLOT DATE : 8/20/2025 1:38 PM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

X. R/W

EX. R/W

SLOPE INTERCEPT (TYP.)

929+00 930+00 931+00 932+00 933+00 934+00

USH 12 (WISCONSIN DELLS PARKWAY)

730+00 731+00 732+00 733+00 734+00

MATCHLINE STA. 729+00

MATCHLINE STA. 734+50

A C B C

EX. R/W

SLOPE INTERCEPT (TYP.)

EX. R/W

LEGEND

- 4-INCHES TOPSOIL, FERTILIZER, AND SOD LAWN
- SLOPE INTERCEPT
- INLET PROTECTION
- INLET PROTECTION TYPE
- SURFACE WATER FLOW
- SILT FENCE
- REMOVE, SALVAGE AND REINSTALL LANDSCAPING ROCK
- CULVERT PIPE CHECK
- TEMPORARY DITCH CHECK

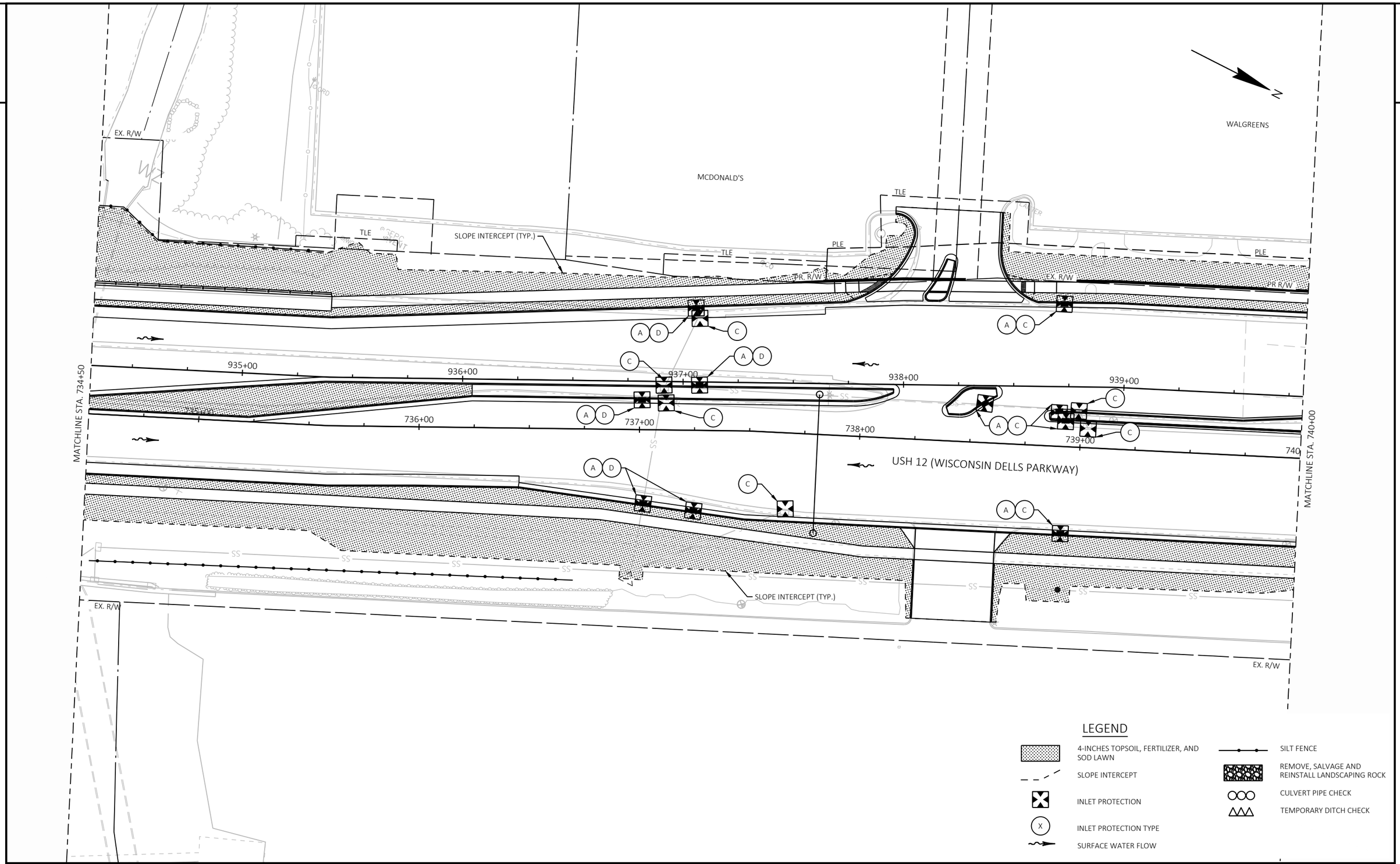
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LAYOUT NAME - 022010-ec

PLOT DATE : 8/20/2025 1:39 PM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2



LEGEND

- 4-INCHES TOPSOIL, FERTILIZER, AND SOD LAWN
- SLOPE INTERCEPT
- INLET PROTECTION
- INLET PROTECTION TYPE
- SURFACE WATER FLOW
- SILT FENCE
- REMOVE, SALVAGE AND REINSTALL LANDSCAPING ROCK
- CULVERT PIPE CHECK
- TEMPORARY DITCH CHECK

PROJECT NO: 6145-01-74	HWY: USH 12	COUNTY: SAUK	EROSION CONTROL	SHEET 206	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-74\022001-EC.DWG
LAYOUT NAME - 022011-ec
PLOT DATE : 8/20/2025 1:39 PM
PLOT BY : CHAPMAN, JULIE
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

EX. R/W

TLE

SLOPE INTERCEPT (TYP.)

EX. R/W

PLE

PR R/W

STH 13

TLE

PR. R/W

EX. R/W

END CONSTRUCTION/PROJECT 6145-01-74
STA. 742+91.59

940+00

941+00

942+00

943+00

944+00

945+00

USH 12 (WISCONSIN DELLS PARKWAY)

741+00

742+00

743+00

744+00

745+00

MATCHLINE STA. 740+00

EX. R/W

MEXICALI ROSE/ DOCKSIDE SHOPS

LEGEND

- 4-INCHES TOPSOIL, FERTILIZER, AND SOD LAWN
- SLOPE INTERCEPT
- INLET PROTECTION
- INLET PROTECTION TYPE
- SURFACE WATER FLOW
- SILT FENCE
- REMOVE, SALVAGE AND REINSTALL LANDSCAPING ROCK
- CULVERT PIPE CHECK
- TEMPORARY DITCH CHECK

PROJECT NO: 6145-01-74	HWY: USH 12	COUNTY: SAUK	EROSION CONTROL	SHEET 207	E

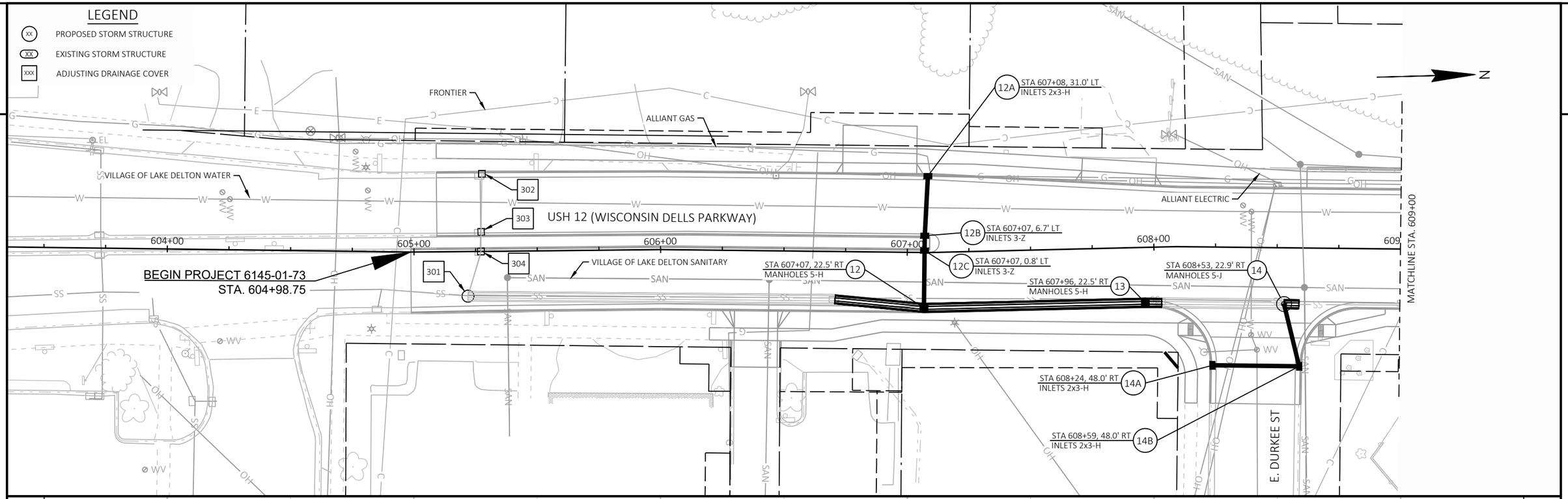
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LAYOUT NAME - 022012-ec

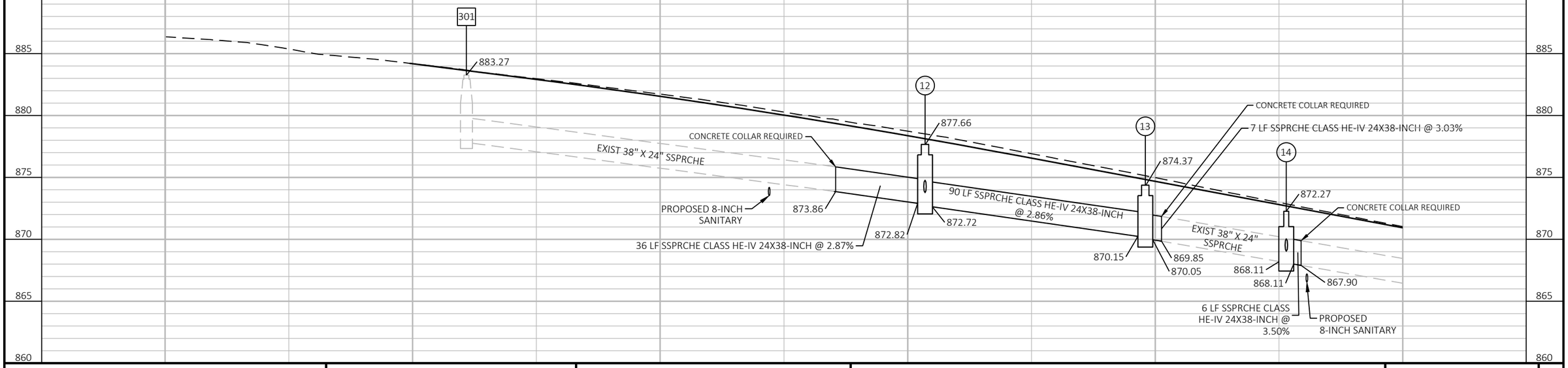
PLOT DATE : 8/20/2025 1:39 PM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

LEGEND

- (XX) PROPOSED STORM STRUCTURE
- XX EXISTING STORM STRUCTURE
- XXX ADJUSTING DRAINAGE COVER





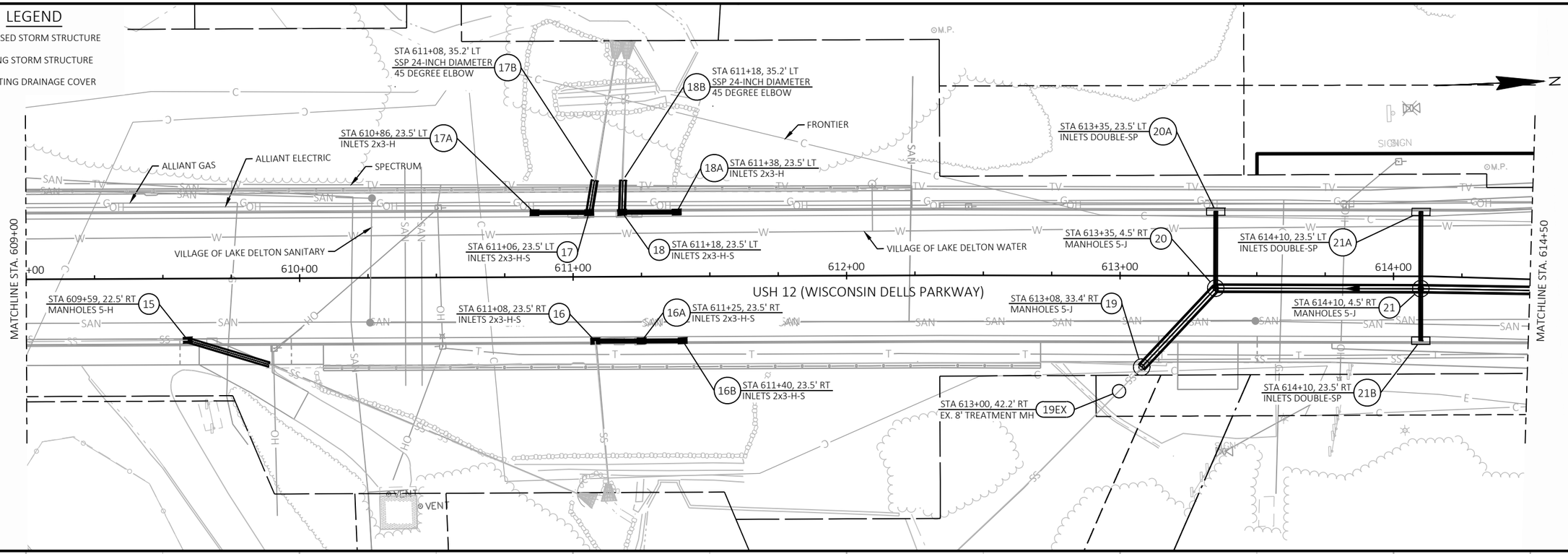
PROJECT NO: 6145-01-73	HWY: USH 12	COUNTY: SAUK	STORM SEWER	SHEET 208	E

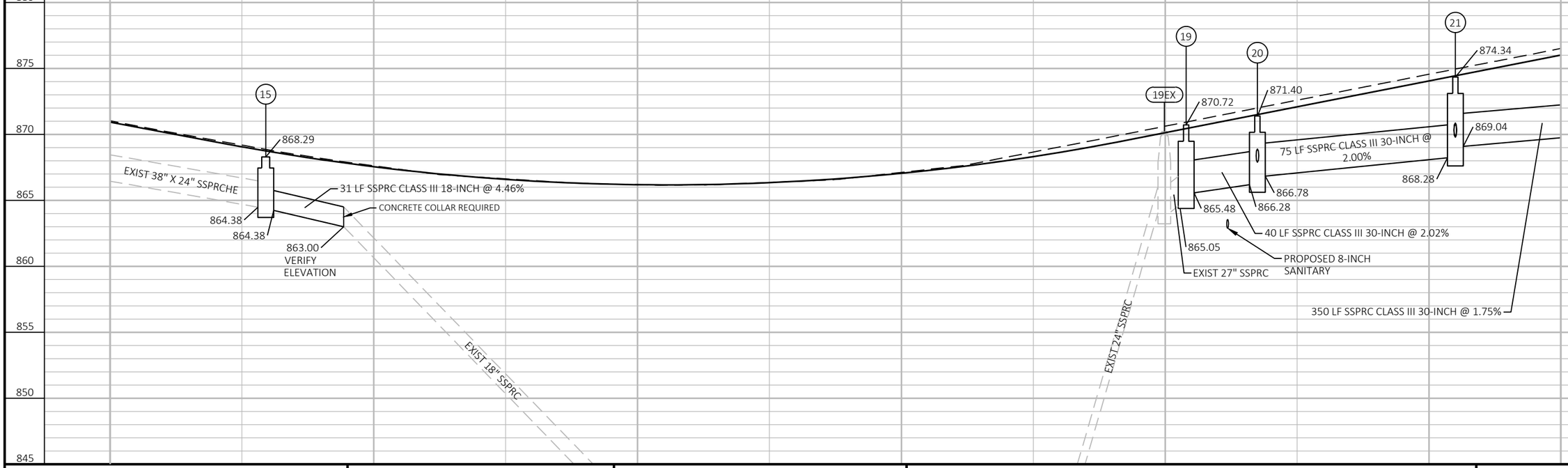
FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-73\022501_SS.DWG
LAYOUT NAME - 022501_ss
PLOT DATE : 6/18/2025 10:52 AM PLOT BY : BARRETT, WILL PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44

2

LEGEND

- (XX) PROPOSED STORM STRUCTURE
- (XX) EXISTING STORM STRUCTURE
- [XXX] ADJUSTING DRAINAGE COVER



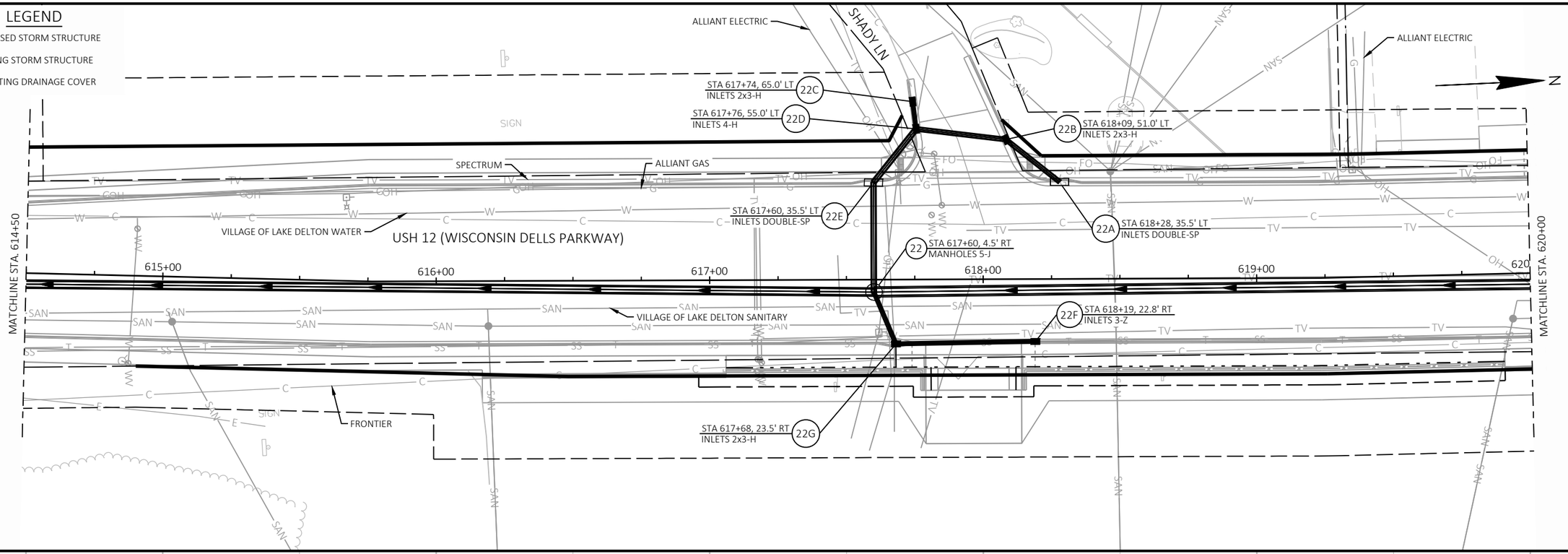


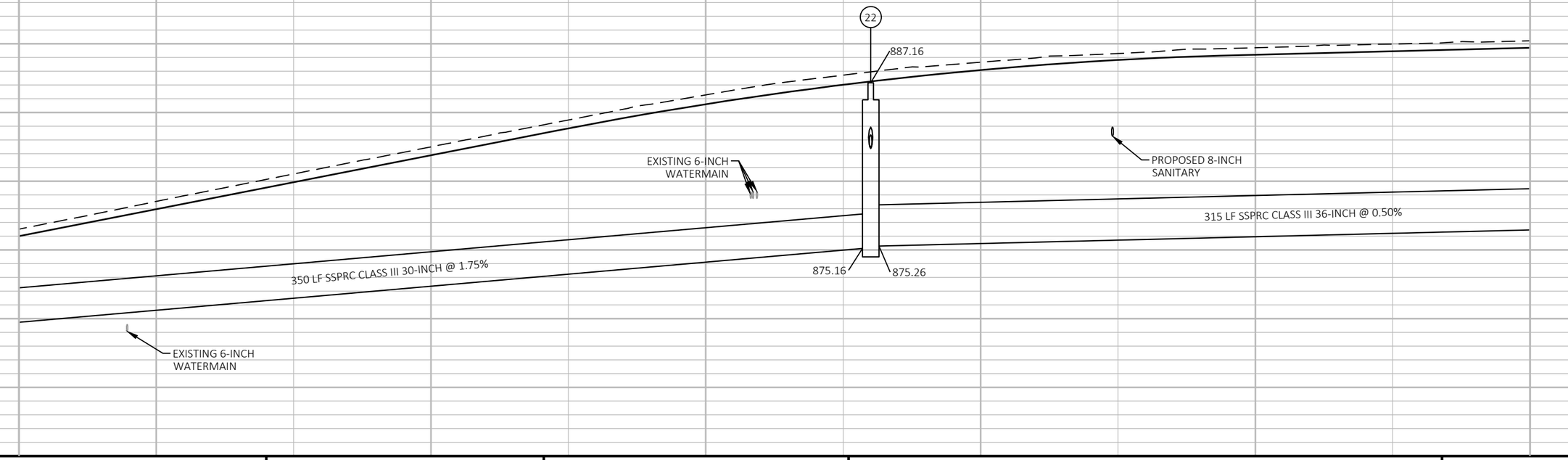
PROJECT NO: 6145-01-73	HWY: USH 12	COUNTY: SAUK	STORM SEWER	SHEET 209	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-73\022501_SS.DWG
LAYOUT NAME - 022502_ss
PLOT DATE : 6/18/2025 10:52 AM PLOT BY : BARRETT, WILL PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44

LEGEND

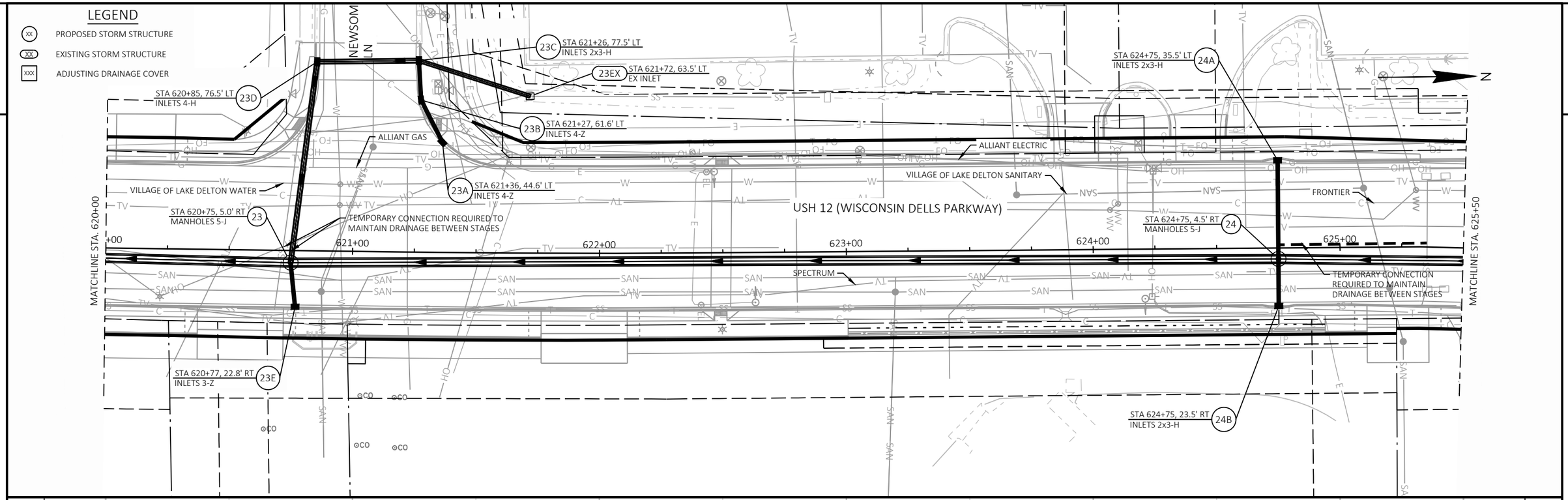
- (XX) PROPOSED STORM STRUCTURE
- XX EXISTING STORM STRUCTURE
- XXX ADJUSTING DRAINAGE COVER

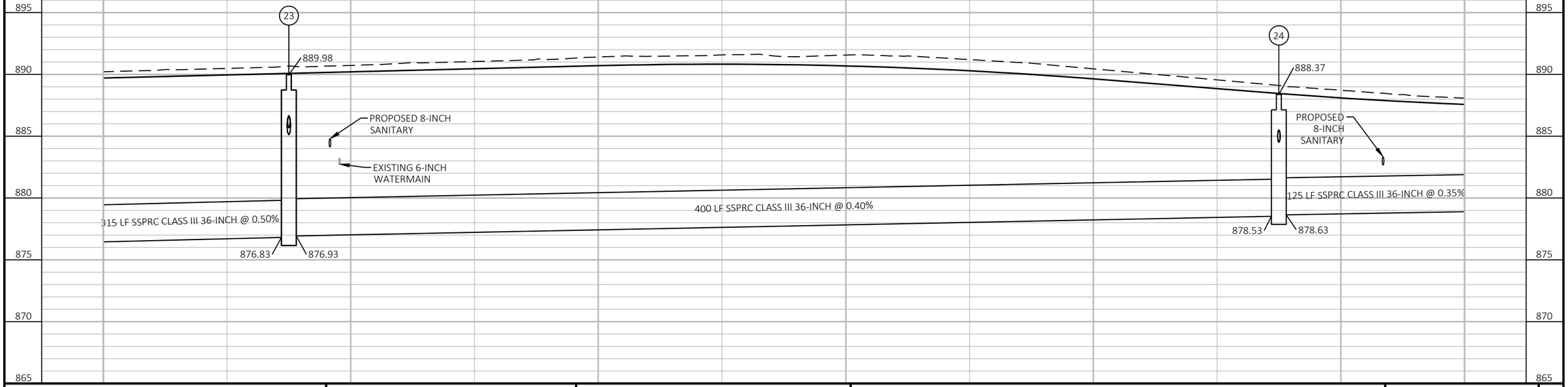




PROJECT NO: 6145-01-73	HWY: USH 12	COUNTY: SAUK	STORM SEWER	SHEET 210	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-73\022501_SS.DWG
LAYOUT NAME - 022503_ss
PLOT DATE : 6/18/2025 10:53 AM
PLOT BY : BARRETT, WILL
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44



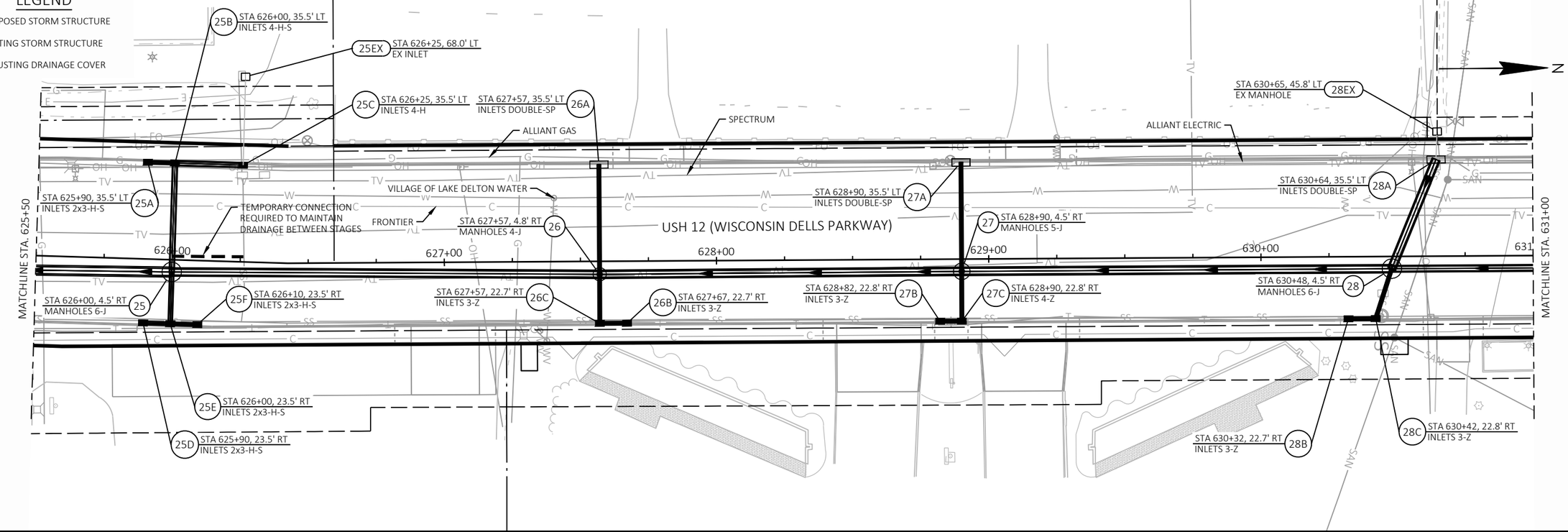


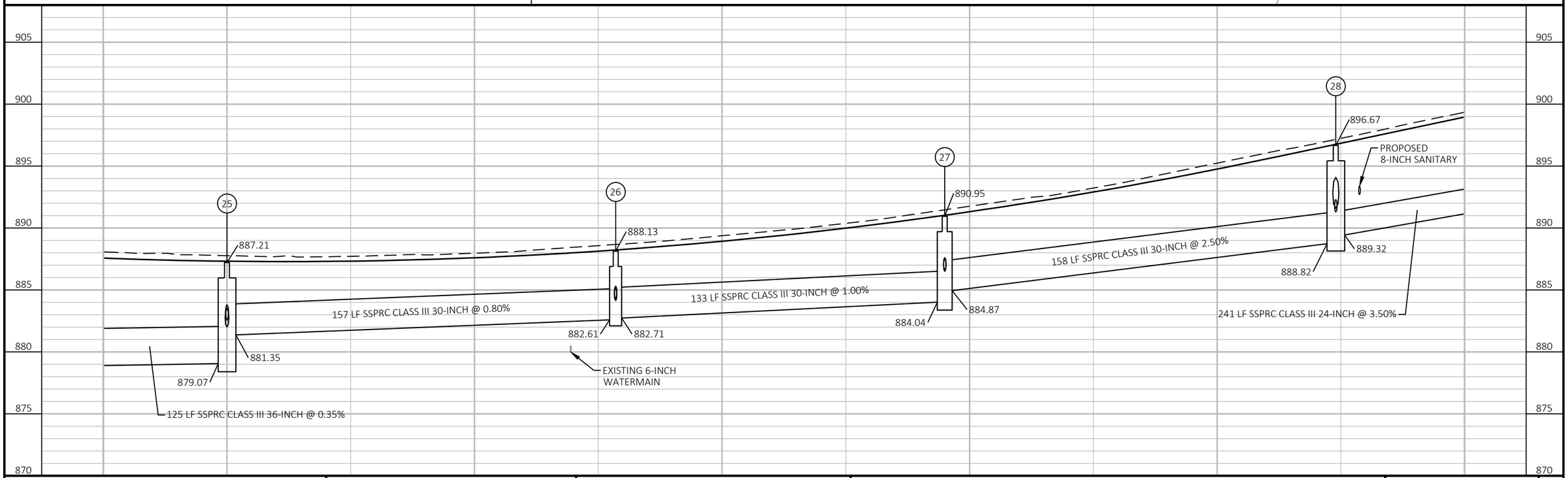
PROJECT NO: 6145-01-73	HWY: USH 12	COUNTY: SAUK	STORM SEWER	SHEET 211	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-73\022501_SS.DWG
LAYOUT NAME - 022504_ss
PLOT DATE : 6/18/2025 10:53 AM
PLOT BY : BARRETT, WILL
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44

LEGEND

- (XX) PROPOSED STORM STRUCTURE
- XX EXISTING STORM STRUCTURE
- XXX ADJUSTING DRAINAGE COVER





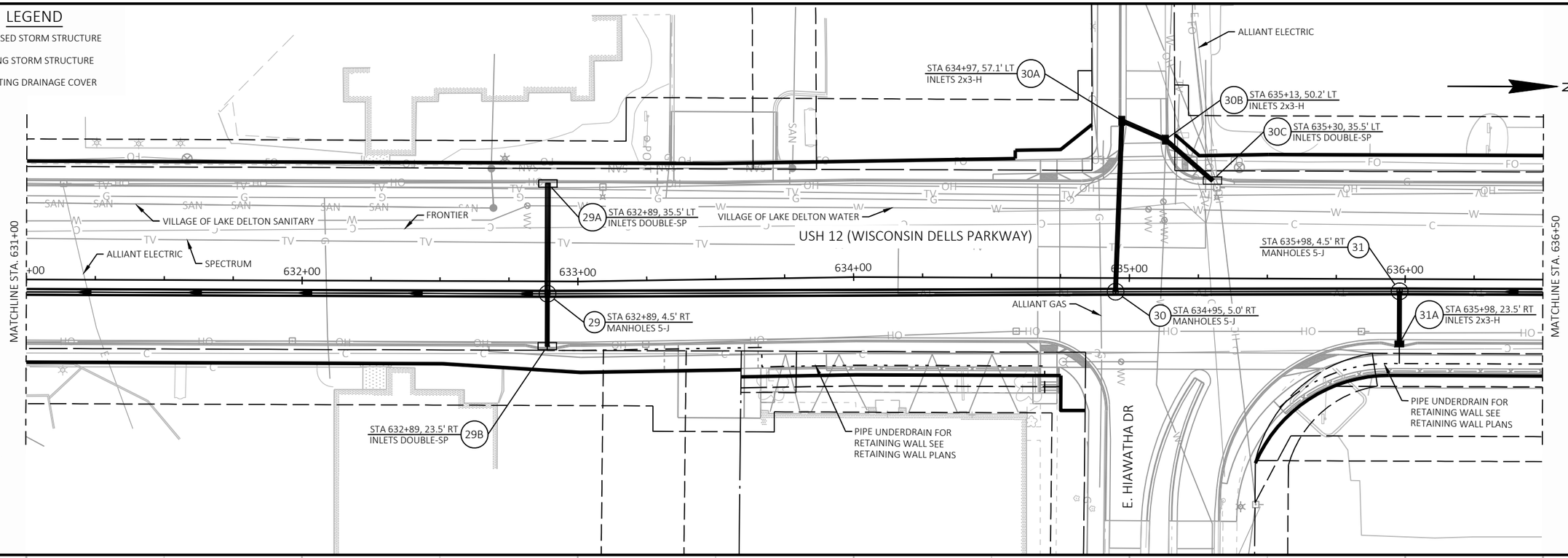
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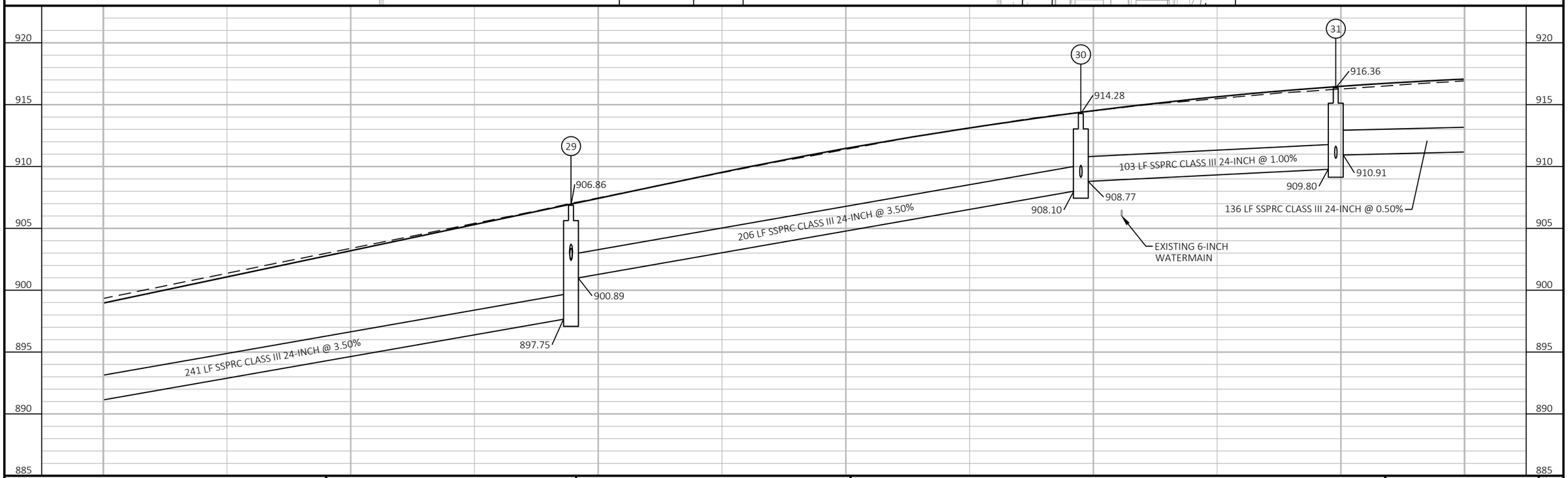
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LAYOUT NAME - 022505_ss
PLOT DATE : 6/18/2025 10:53 AM PLOT BY : BARRETT, WILL PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44

2

LEGEND

- (XX) PROPOSED STORM STRUCTURE
- XX EXISTING STORM STRUCTURE
- XXX ADJUSTING DRAINAGE COVER





PROJECT NO: 6145-01-73	HWY: USH 12	COUNTY: SAUK	STORM SEWER	SHEET 213	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-73\022501_SS.DWG
LAYOUT NAME - 022506_ss
PLOT DATE : 6/18/2025 10:53 AM PLOT BY : BARRETT, WILL PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44

LEGEND

- (XX) PROPOSED STORM STRUCTURE
- (XX) EXISTING STORM STRUCTURE
- [XXX] ADJUSTING DRAINAGE COVER

RED BIRD AVE

DEKORRA LANE

N

STA 637+35, 55.9' LT
INLETS 2x3-H
32A

32B STA 637+66, 56.8' LT
INLETS DOUBLE-SP

32C STA 637+84, 34.8' LT
INLETS 3-Z

STA 639+92, 53.9' LT
INLETS DOUBLE-SP
34B

34A STA 640+15, 52.1' LT
INLETS 2x3-H

STA 641+94, 36.6' LT
INLETS 2x3-H
35C

SPECTRUM

FRONTIER

VILLAGE OF LAKE DELTON WATER

ALLIANT ELECTRIC

USH 12 (WISCONSIN DELLS PARKWAY)

MATCHLINE STA. 636+50

MATCHLINE STA. 642+00

637+00 638+00 639+00 640+00 641+00 642

32 STA 637+34, 4.5' RT
MANHOLES 5-J

33 STA 638+74, 4.5' RT
MANHOLES 5-J

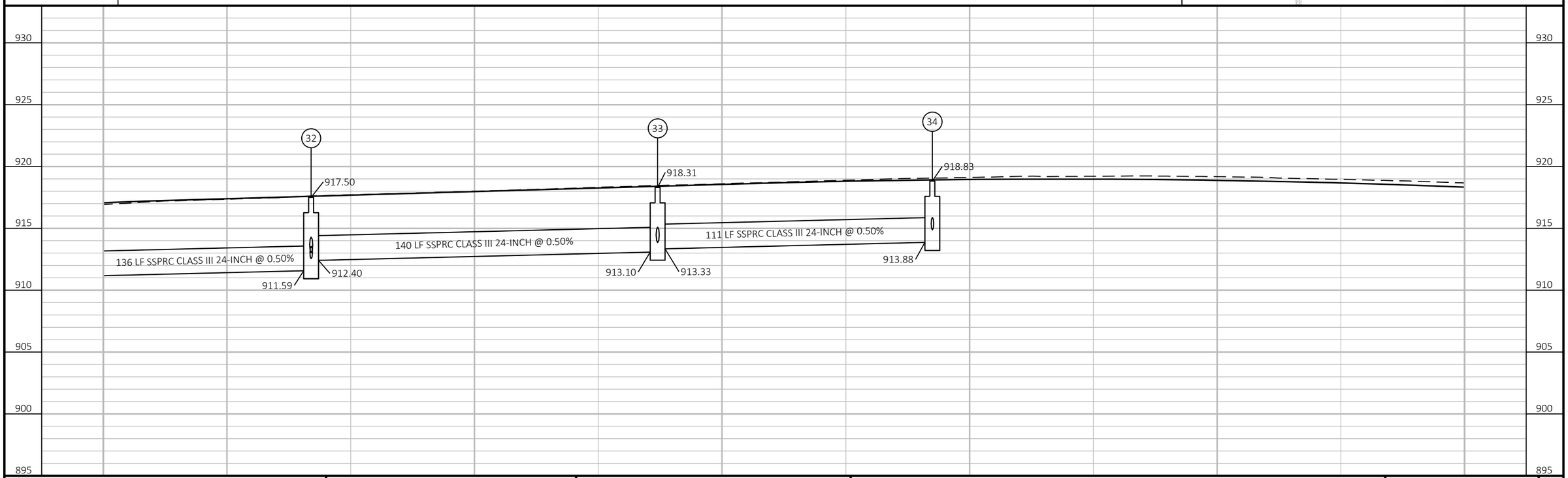
34 STA 639+85, 4.5' RT
MANHOLES 5-J

ALLIANT GAS

32D STA 637+34, 23.5' RT
INLETS 2x3-H

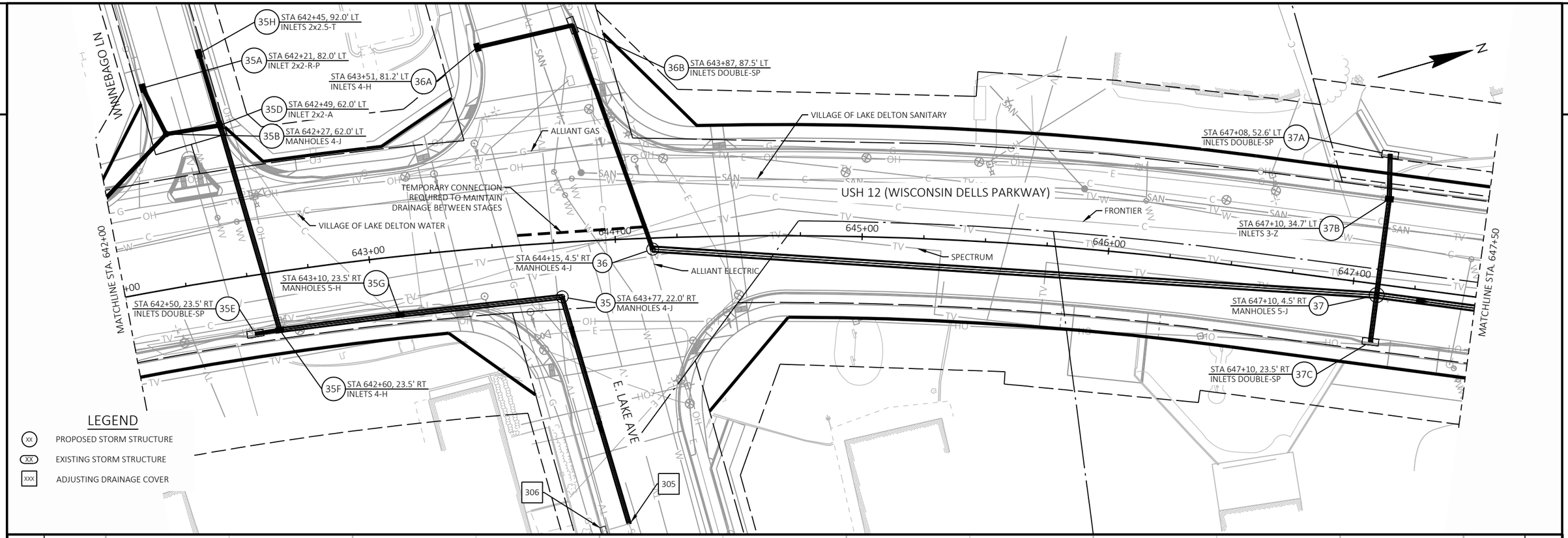
PIPE UNDERDRAIN FOR
RETAINING WALL SEE
RETAINING WALL PLANS

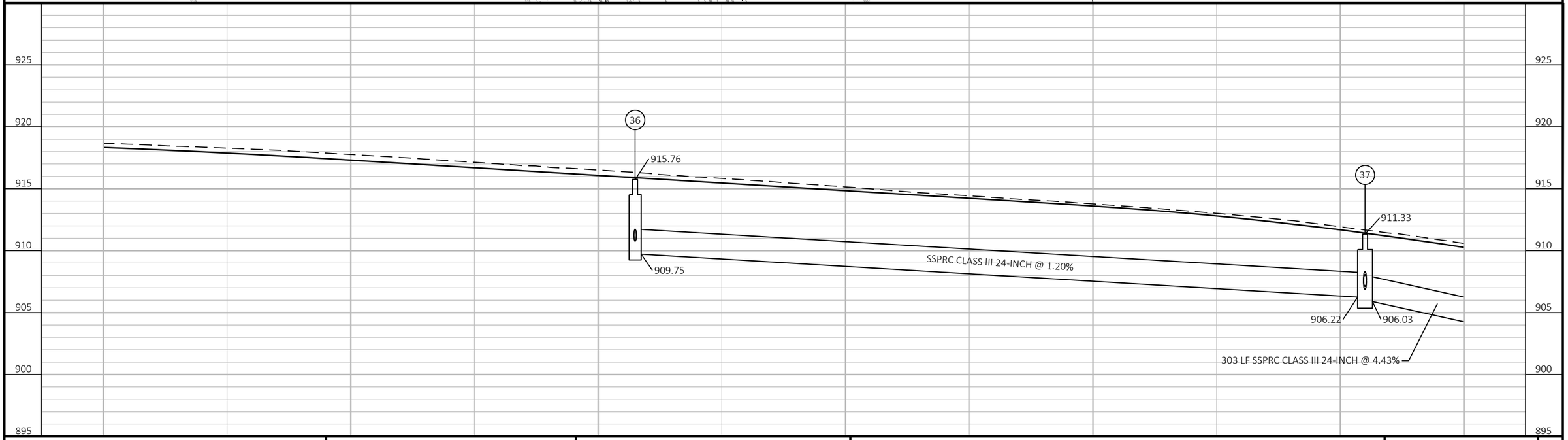
33A STA 638+74, 23.5' RT
INLETS DOUBLE-SP



PROJECT NO: 6145-01-73	HWY: USH 12	COUNTY: SAUK	STORM SEWER	SHEET 214	E

2



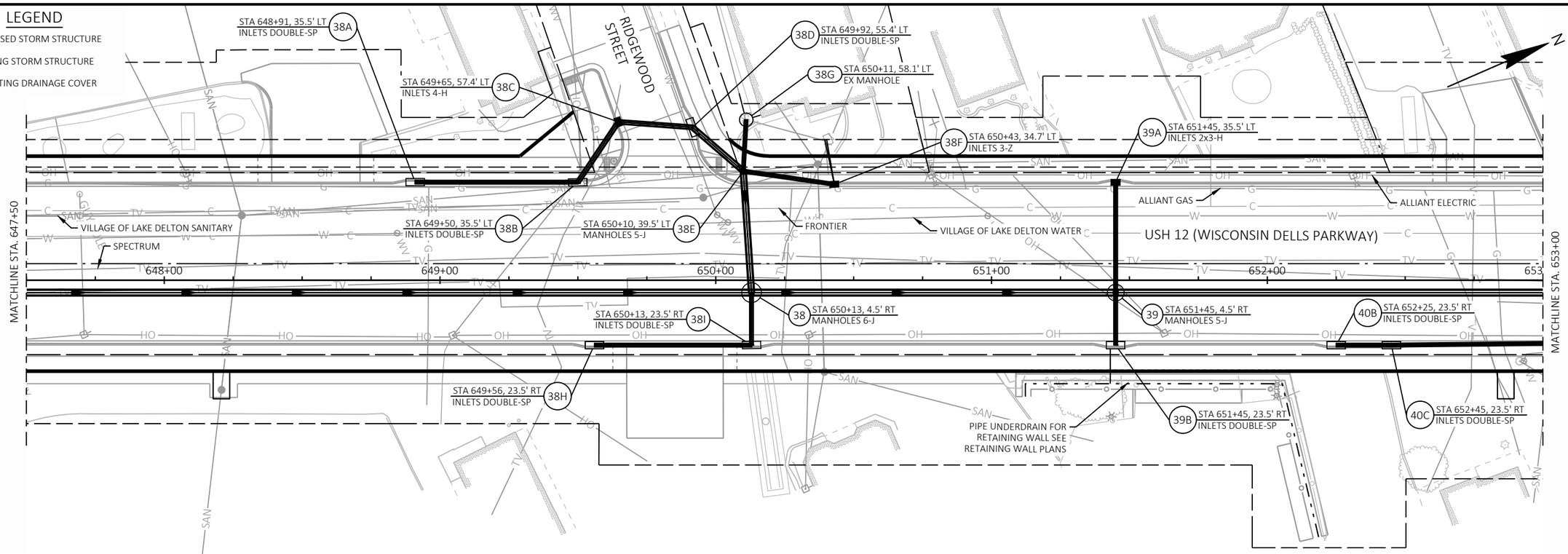


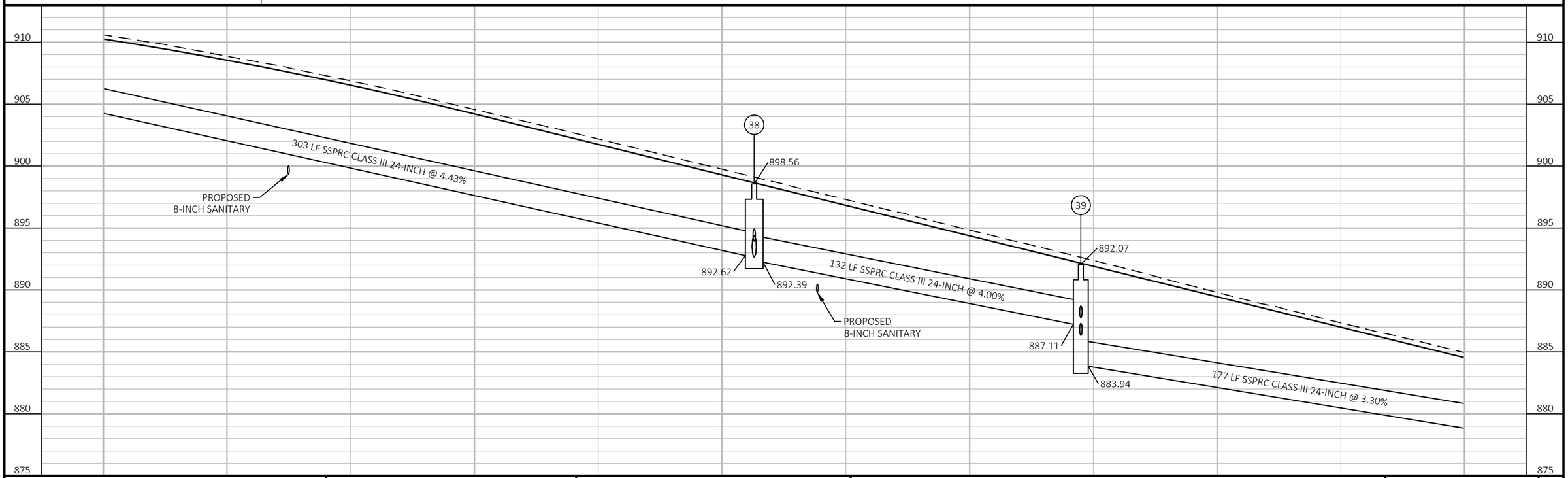
PROJECT NO: 6145-01-73	HWY: USH 12	COUNTY: SAUK	STORM SEWER	SHEET 215	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-73\022501_SS.DWG
LAYOUT NAME - 022508_ss
PLOT DATE : 6/26/2025 11:54 AM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44

LEGEND

- (xx) PROPOSED STORM STRUCTURE
- (XX) EXISTING STORM STRUCTURE
- [xxx] ADJUSTING DRAINAGE COVER

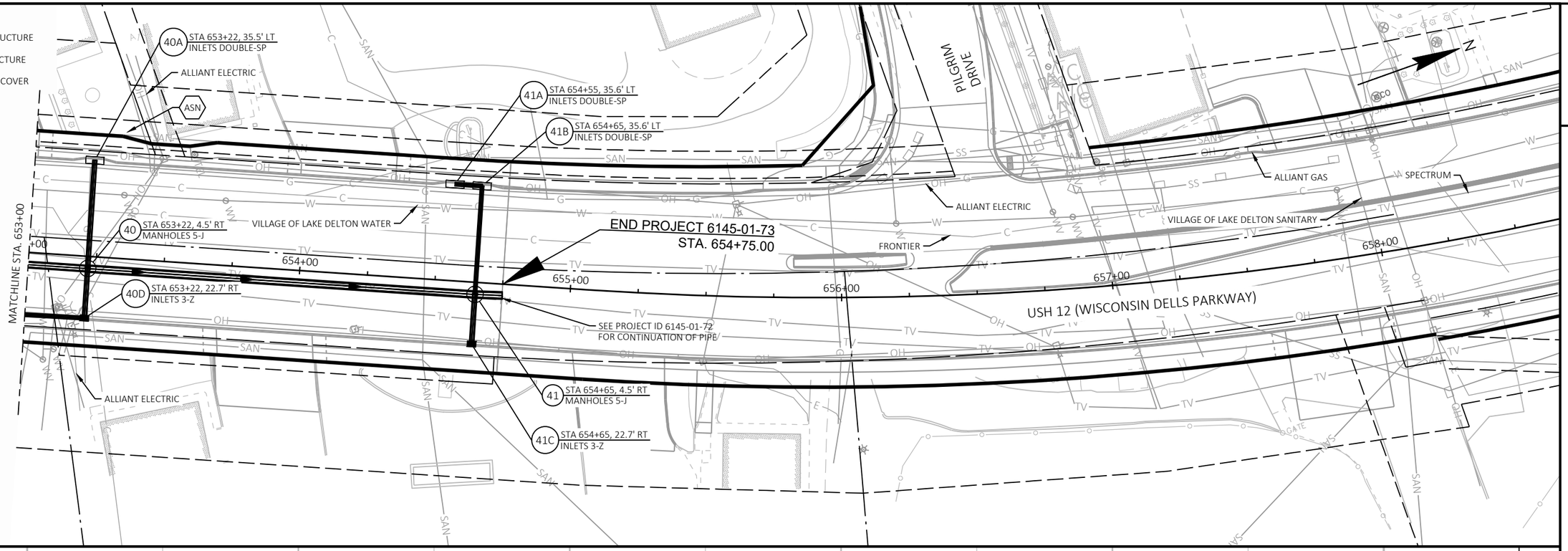


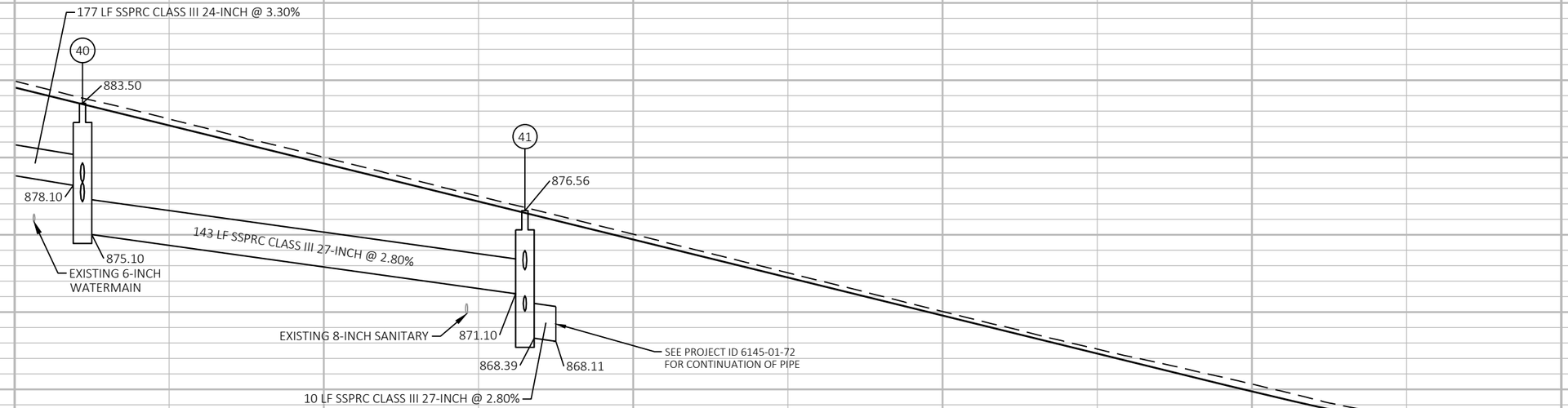


PROJECT NO: 6145-01-73	HWY: USH 12	COUNTY: SAUK	STORM SEWER	SHEET 216	E

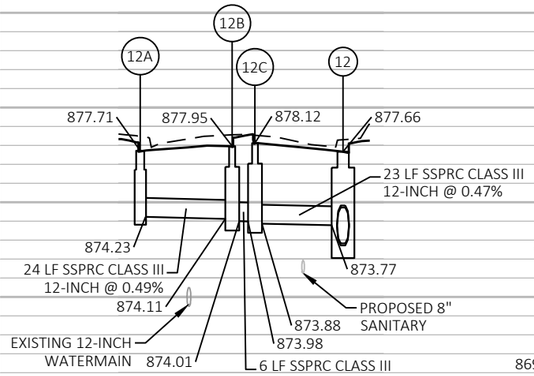
LEGEND

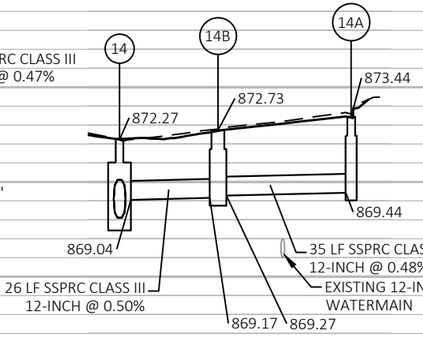
- (XX) PROPOSED STORM STRUCTURE
- (XX) EXISTING STORM STRUCTURE
- [XXX] ADJUSTING DRAINAGE COVER

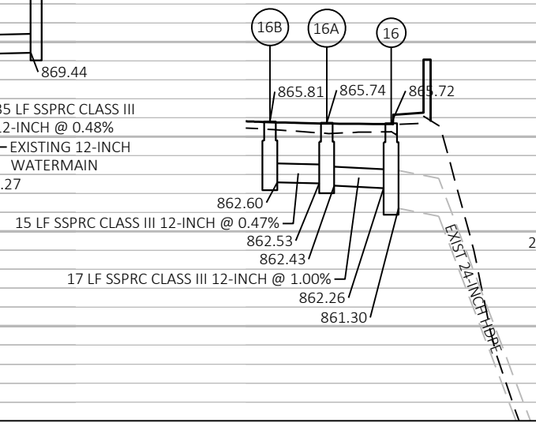


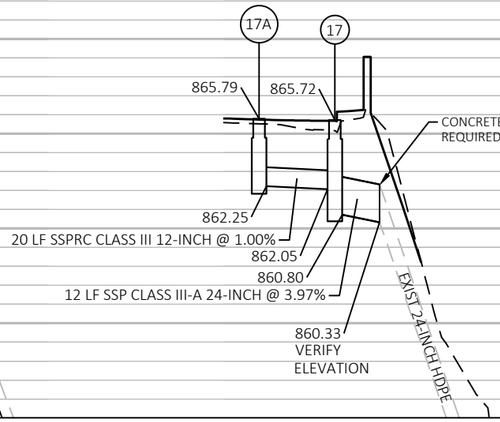


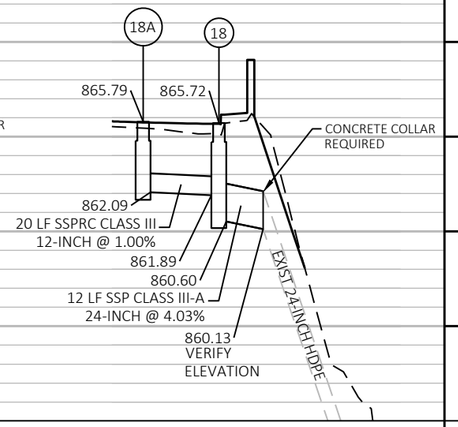
PROJECT NO: 6145-01-73	HWY: USH 12	COUNTY: SAUK	STORM SEWER	SHEET 217	E

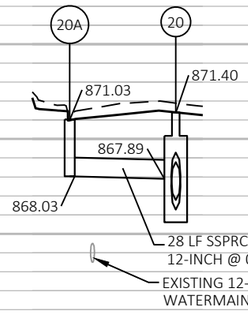


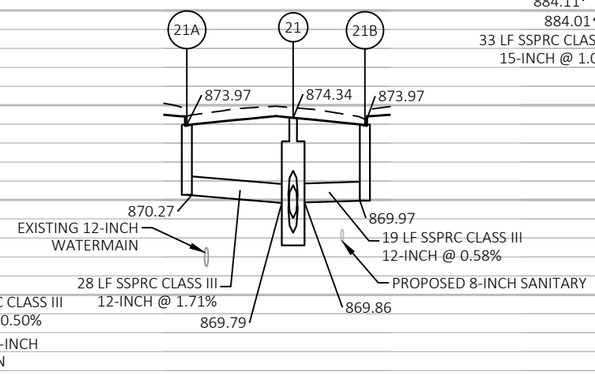


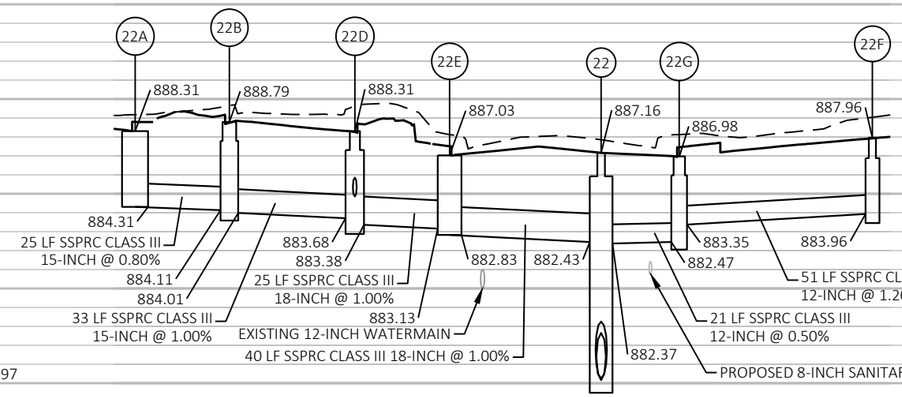


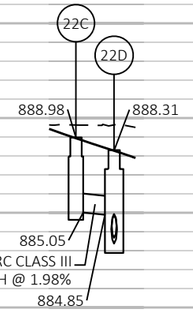


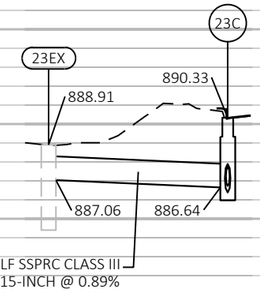






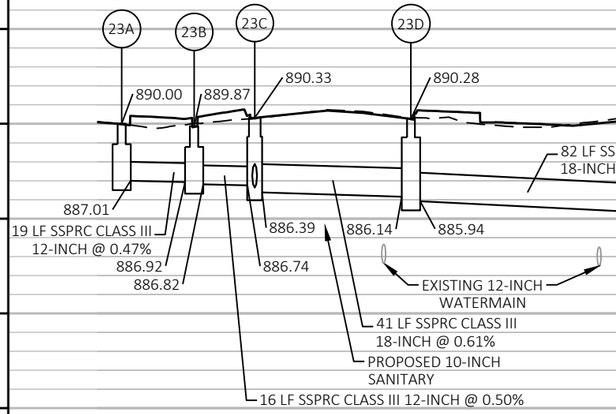


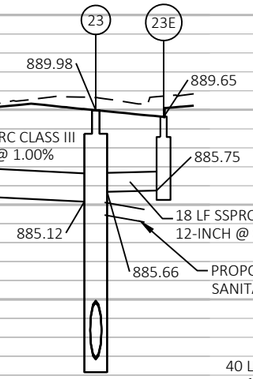


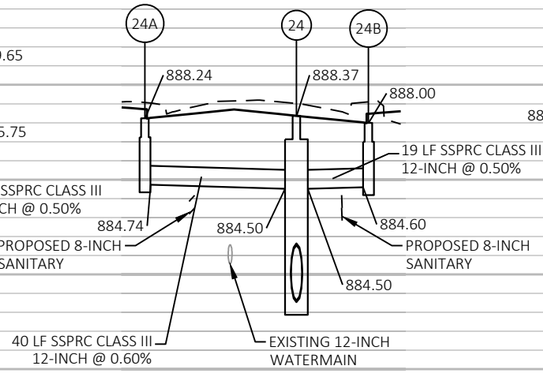


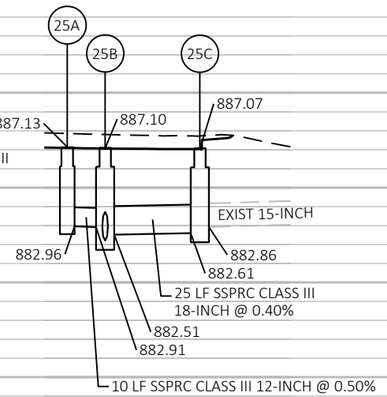
PROJECT NO: 6145-01-73	HWY: USH 12	COUNTY: SAUK	STORM SEWER	SHEET 218	E

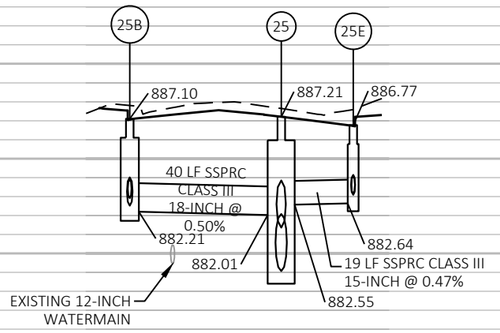
FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-73\022501_SS.DWG
LAYOUT NAME - 022511_ss
PLOT DATE : 8/20/2025 3:57 PM
PLOT BY : ROGAHN, DOUG
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 41

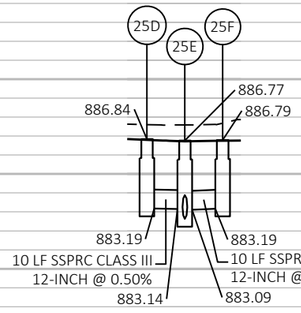


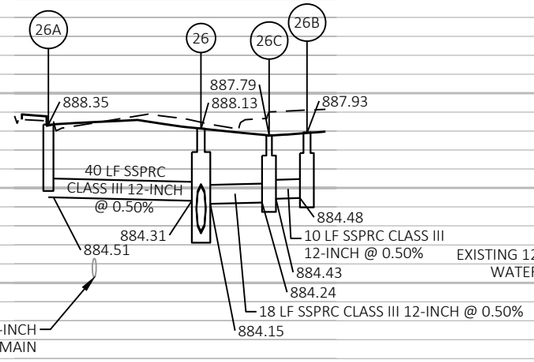


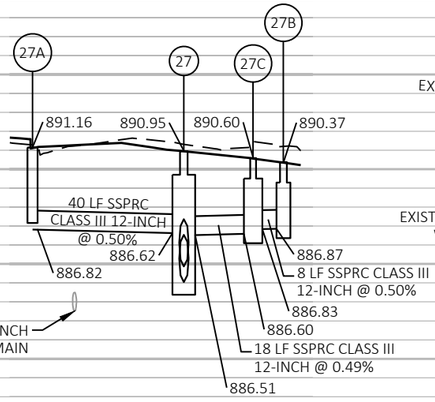


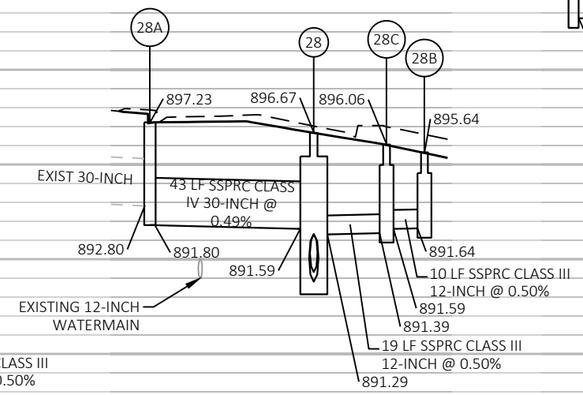


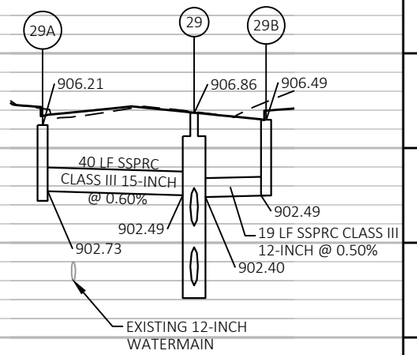






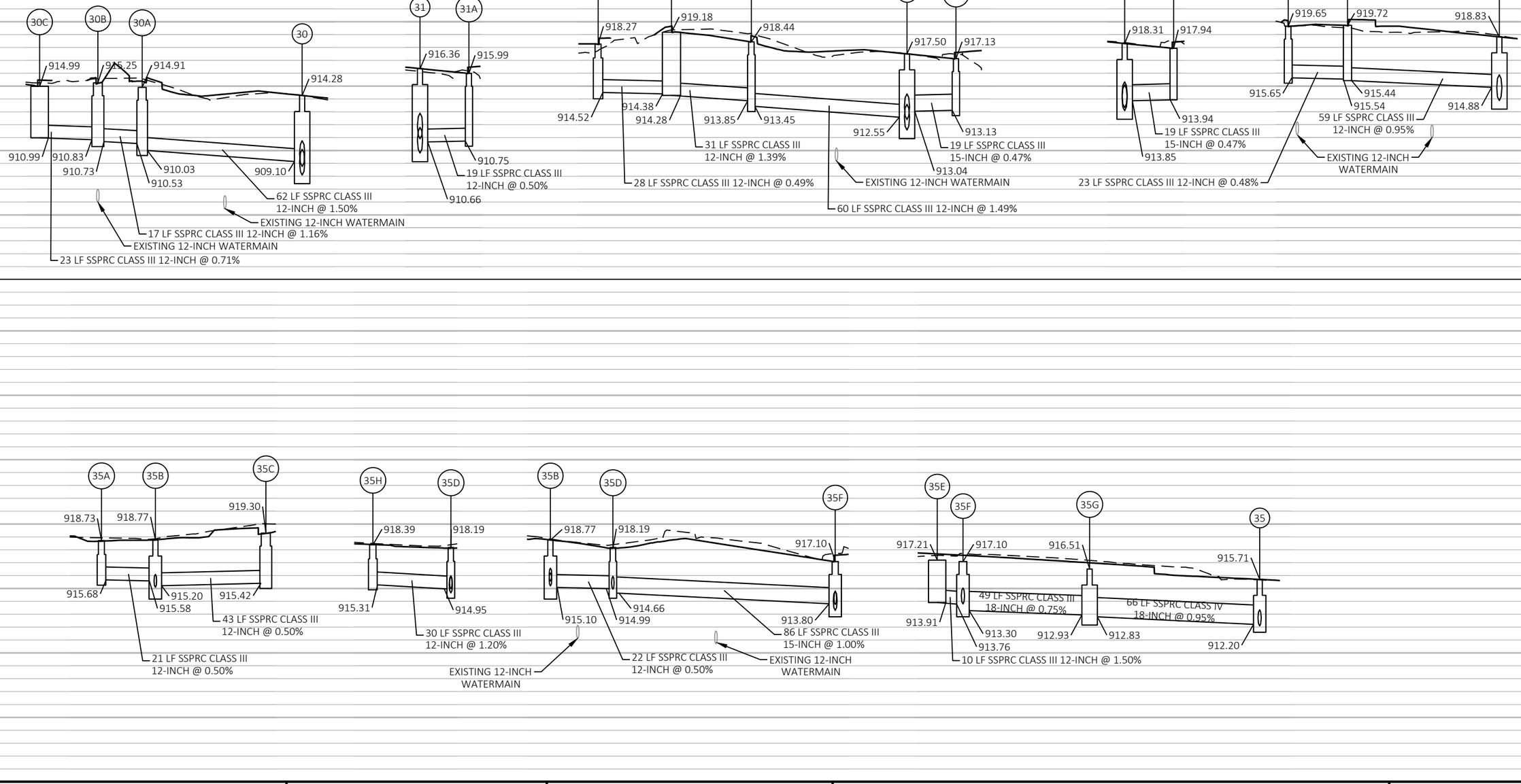






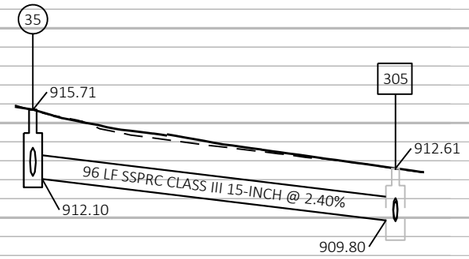
PROJECT NO: 6145-01-73	HWY: USH 12	COUNTY: SAUK	STORM SEWER	SHEET 219	E

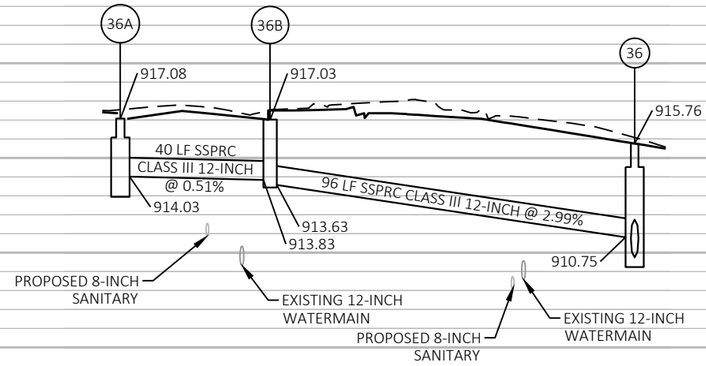
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LAYOUT NAME - 022512_ss
PLOT DATE : 6/18/2025 10:55 AM
PLOT BY : BARRETT, WILL
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 41

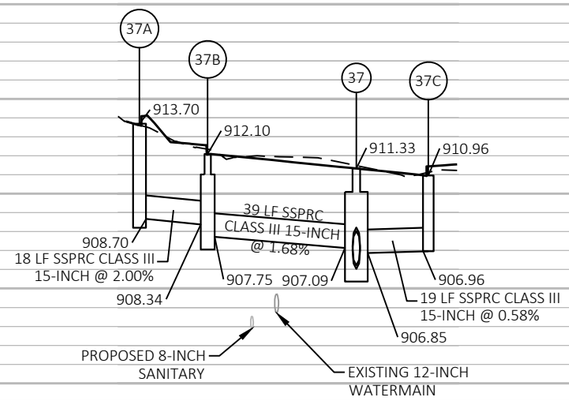


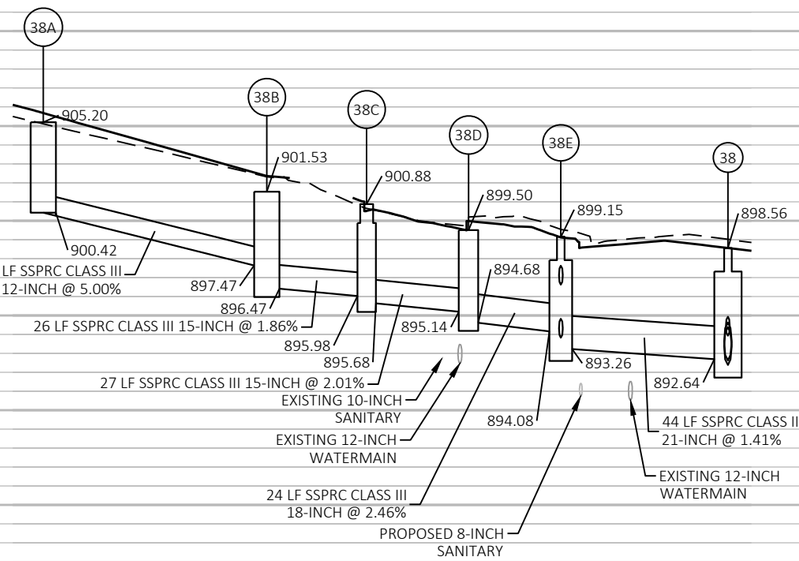
PROJECT NO: 6145-01-73	HWY: USH 12	COUNTY: SAUK	STORM SEWER	SHEET 220	E

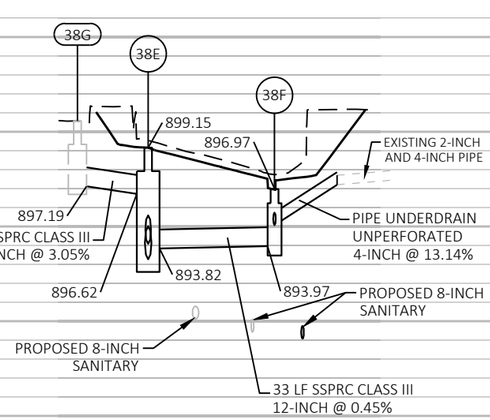
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LAYOUT NAME - 022513_ss
PLOT DATE : 6/18/2025 10:55 AM PLOT BY : BARRETT, WILL PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 41

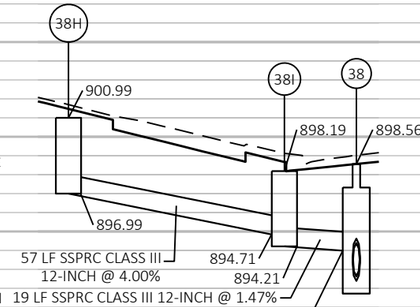


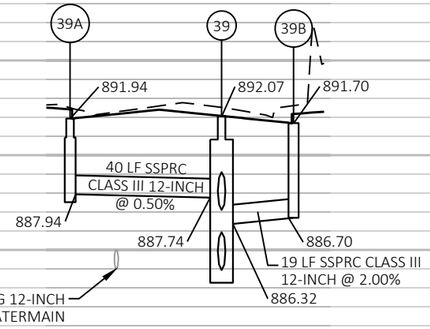






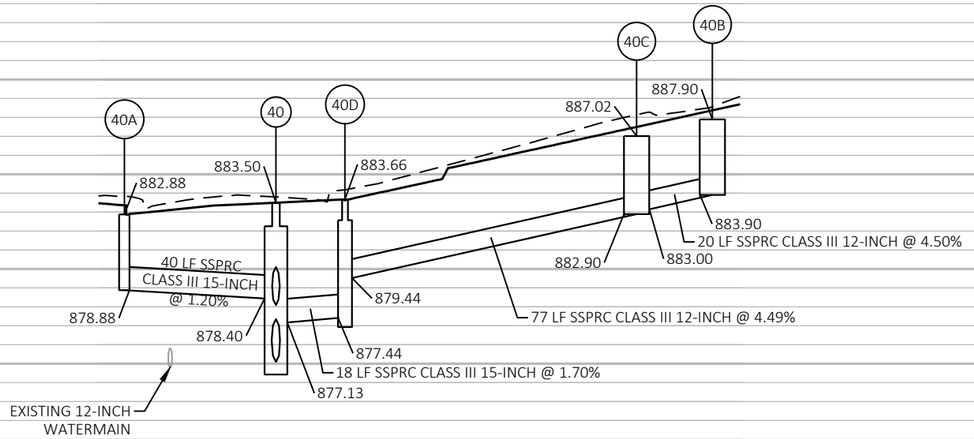


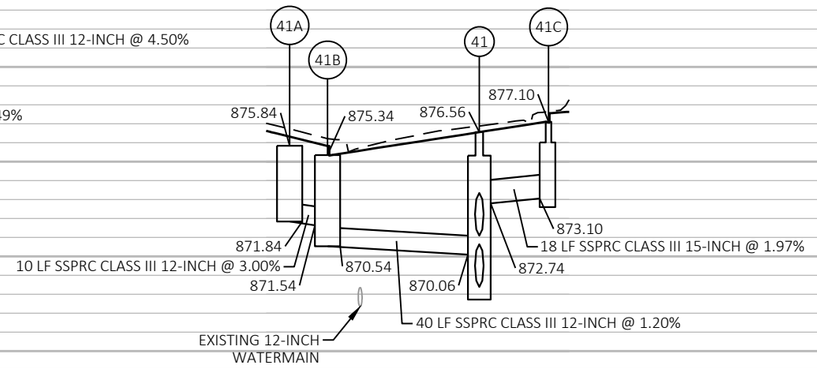




PROJECT NO: 6145-01-73	HWY: USH 12	COUNTY: SAUK	STORM SEWER	SHEET 221	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-73\022501_SS.DWG
LAYOUT NAME - 022514_ss
PLOT DATE : 8/20/2025 3:57 PM
PLOT BY : ROGAHN, DOUG
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 41





PROJECT NO: 6145-01-73	HWY: USH 12	COUNTY: SAUK	STORM SEWER	SHEET 222	E

2

LEGEND

(xx) PROPOSED STORM STRUCTURE

(xx) EXISTING STORM STRUCTURE

[xxx] ADJUSTING DRAINAGE COVER

N

850+00 851+00 852+00 853+00 854+00 855+00

650+00 651+00 652+00 653+00 654+00 655+00

ALLIANT ENERGY GAS

MATCHLINE STA. 655+50

BEGIN PROJECT 6145-01-72
STA. 654+75.00

SEE PROJECT ID 6145-01-73
FOR CONTINUATION OF PIPE

900 895 890 885 880 875 870 865

NB PGL PROFILE

SB PGL PROFILE

EXISTING NB PGL PROFILE

SEE PROJECT ID 6145-01-73
FOR CONTINUATION OF PIPE

135 LF SSPRC CLASS III 27-INCH @ 2.80%

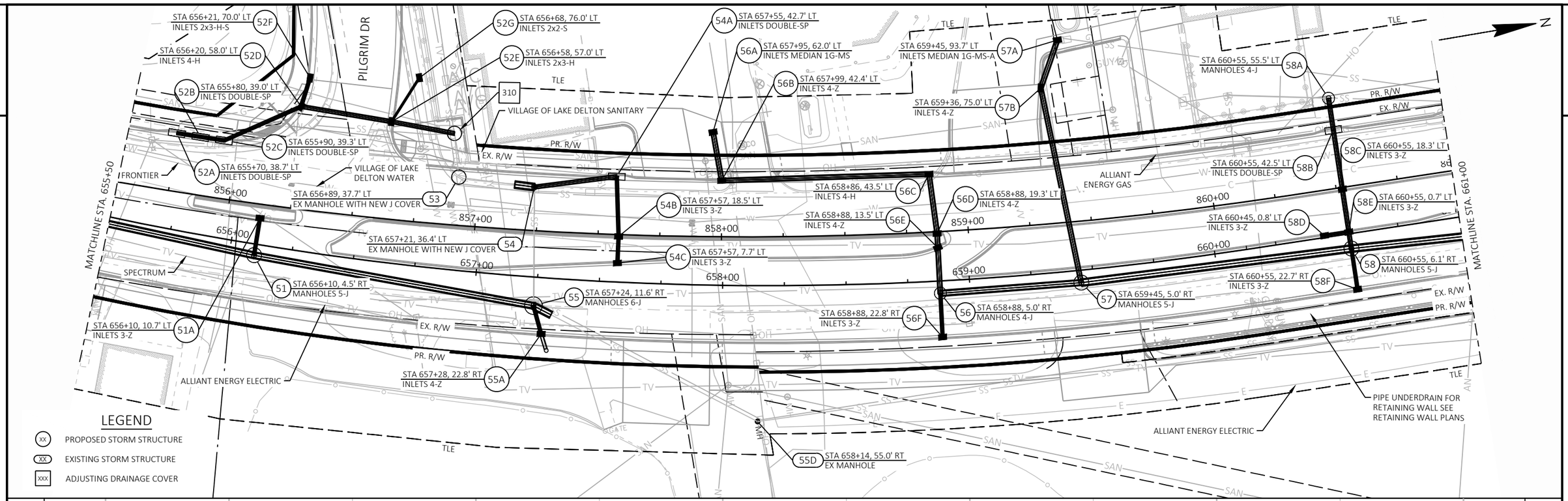
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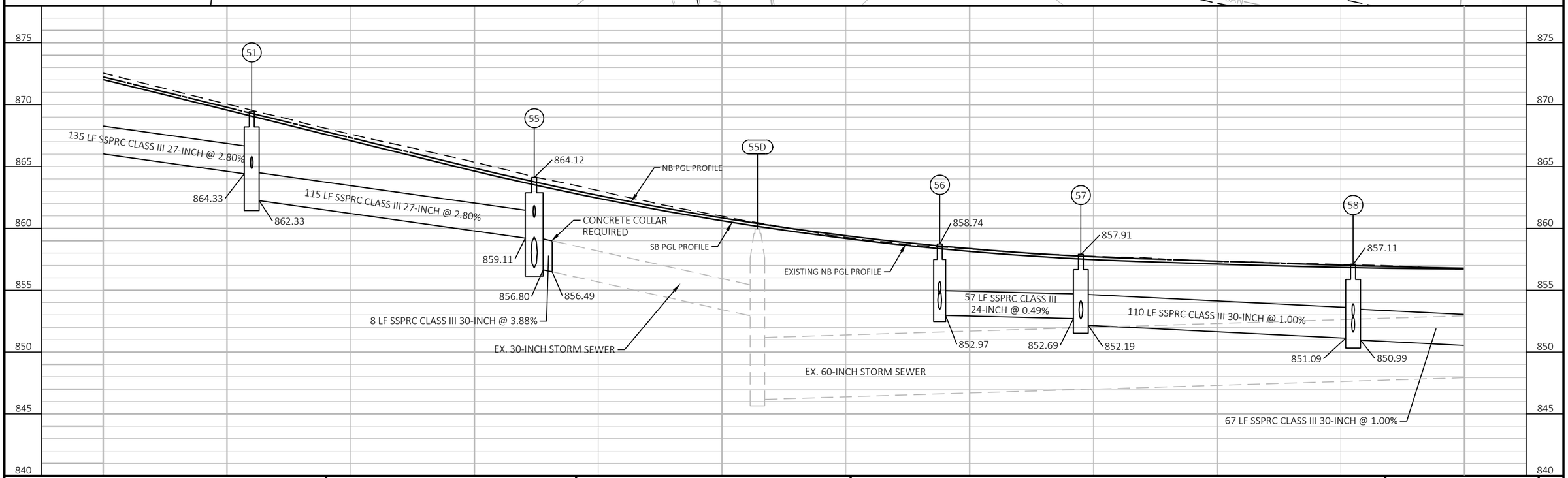
PROJECT NO: 6145-01-72	HWY: USH 12	COUNTY: SAUK	STORM SEWER	SHEET 223	E

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LAYOUT NAME - 022501_ss

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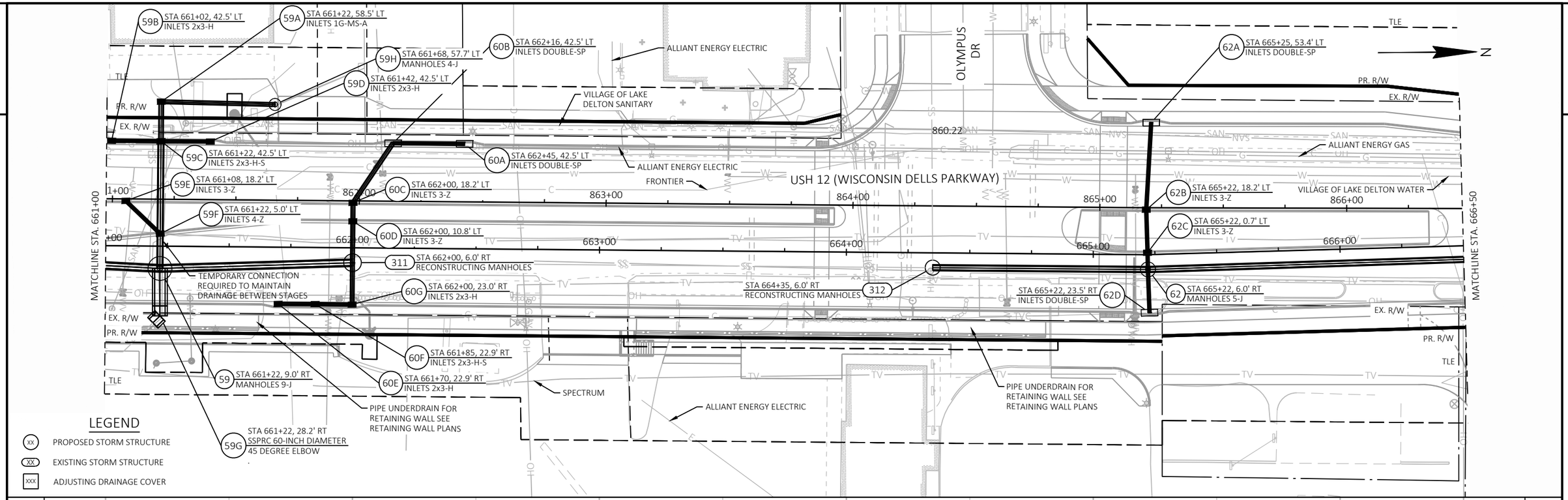
WISDOT/CADDS SHEET 44

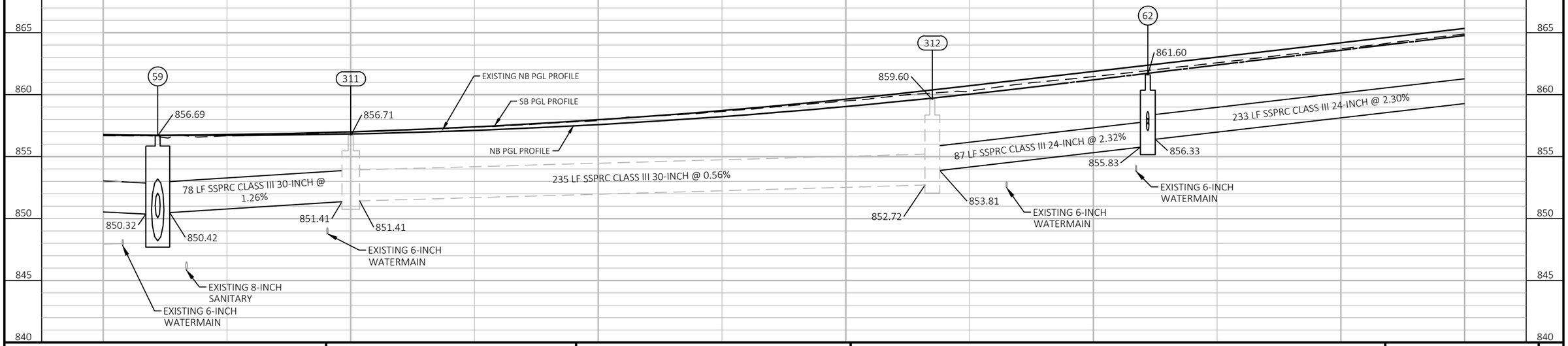




PROJECT NO: 6145-01-72	HWY: USH 12	COUNTY: SAUK	STORM SEWER	SHEET 224	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-72\022501_SS.DWG
LAYOUT NAME - 022502_ss
PLOT DATE : 6/18/2025 10:55 AM
PLOT BY : BARRETT, WILL
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44

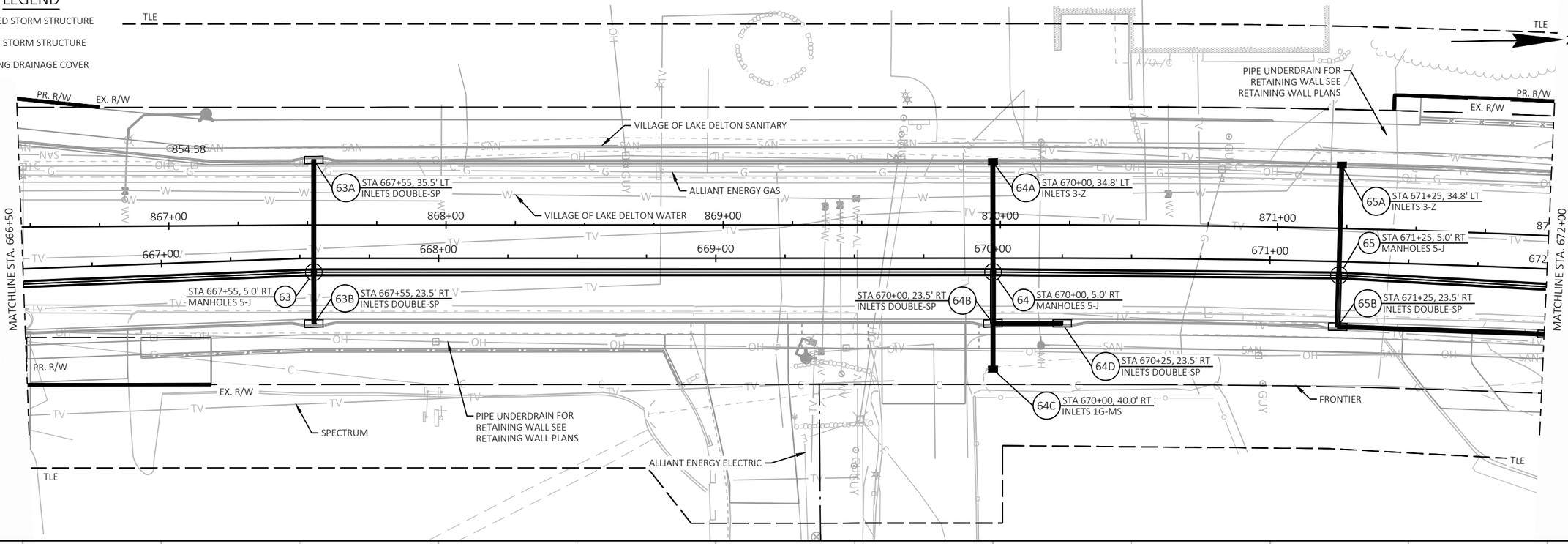


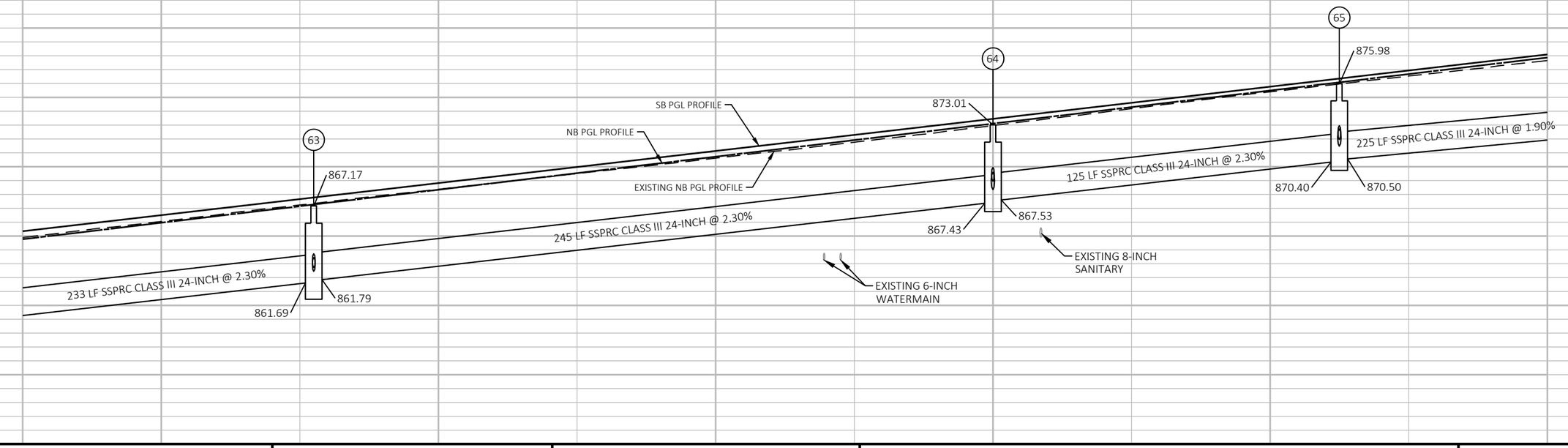


PROJECT NO: 6145-01-72	HWY: USH 12	COUNTY: SAUK	STORM SEWER	SHEET 225	E

LEGEND

- (XX) PROPOSED STORM STRUCTURE
- (XX) EXISTING STORM STRUCTURE
- [XXX] ADJUSTING DRAINAGE COVER



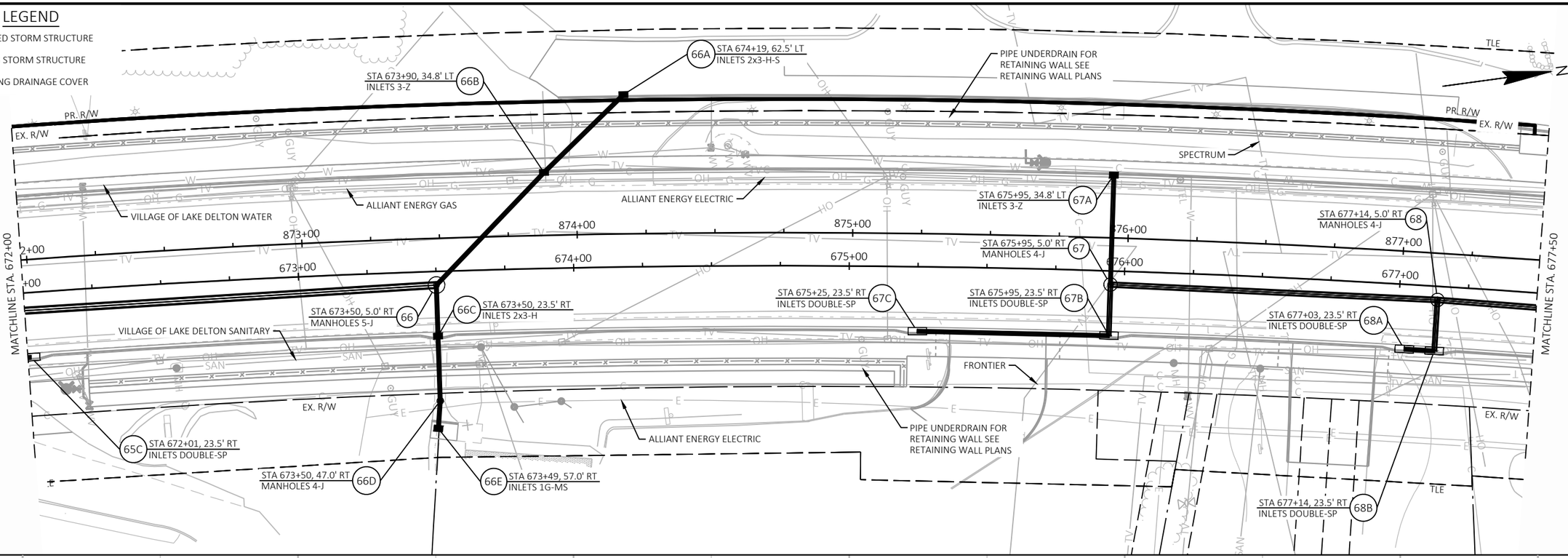


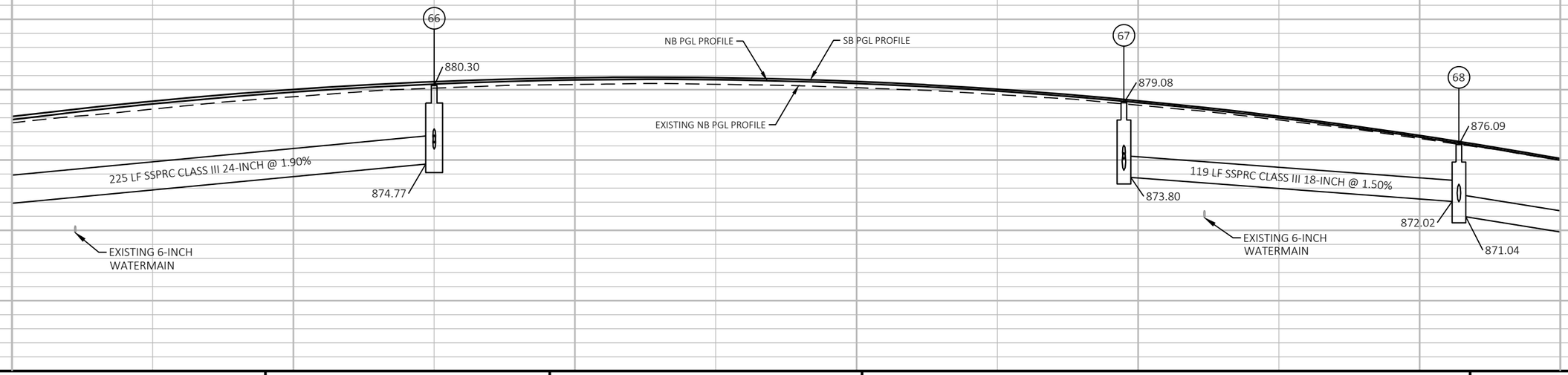
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LAYOUT NAME - 022504_ss
PLOT DATE : 6/18/2025 10:56 AM PLOT BY : BARRETT, WILL PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44

LEGEND

- (XX) PROPOSED STORM STRUCTURE
- (XX) EXISTING STORM STRUCTURE
- [XXX] ADJUSTING DRAINAGE COVER



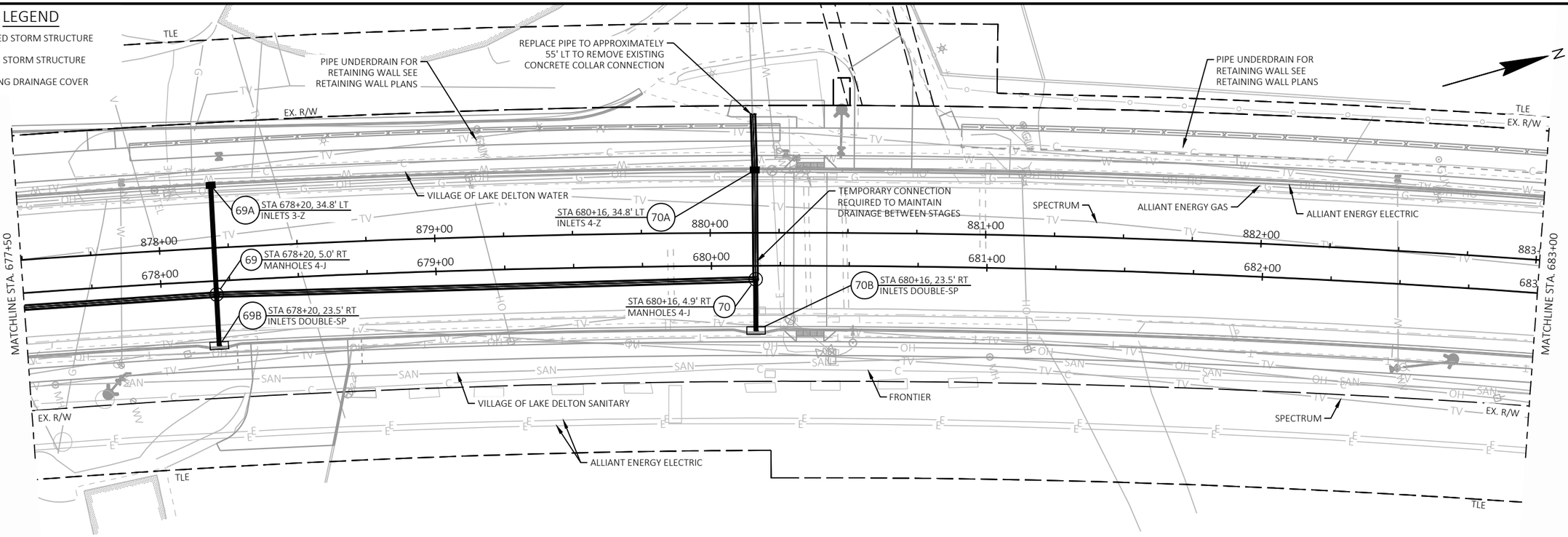


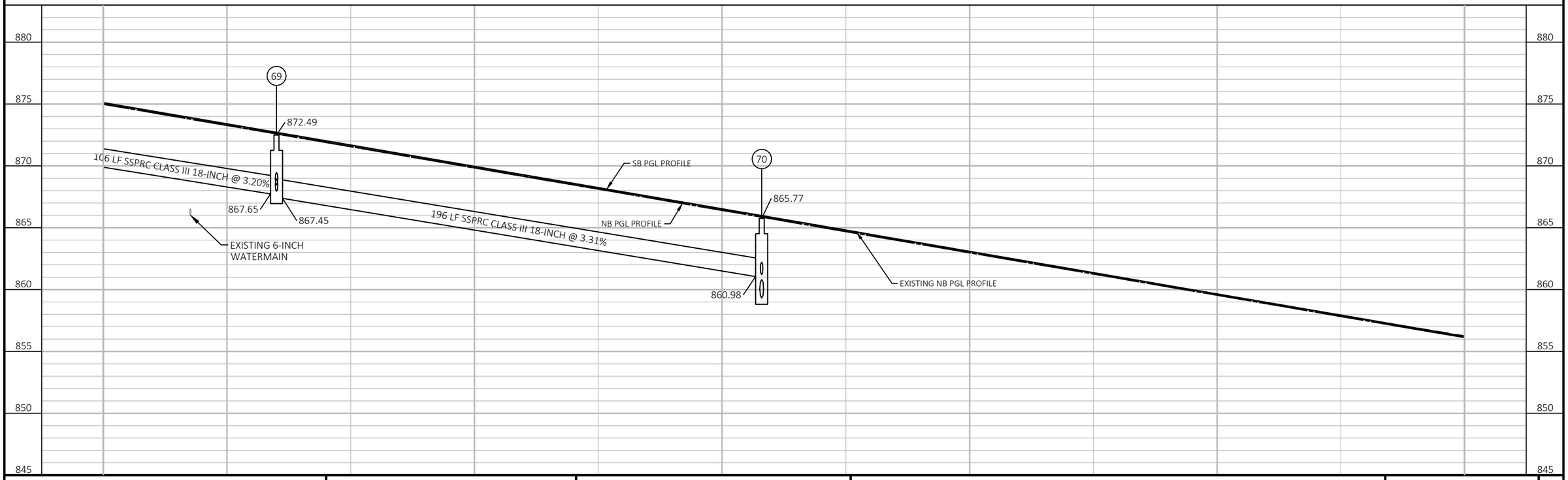
PROJECT NO: 6145-01-72	HWY: USH 12	COUNTY: SAUK	STORM SEWER	SHEET 227	E

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LAYOUT NAME - 022505_ss
PLOT DATE : 6/18/2025 10:56 AM PLOT BY : BARRETT, WILL PLOT NAME : PLOT SCALE : 1 IN:40 FT

LEGEND

- (XX) PROPOSED STORM STRUCTURE
- XX EXISTING STORM STRUCTURE
- XXX ADJUSTING DRAINAGE COVER



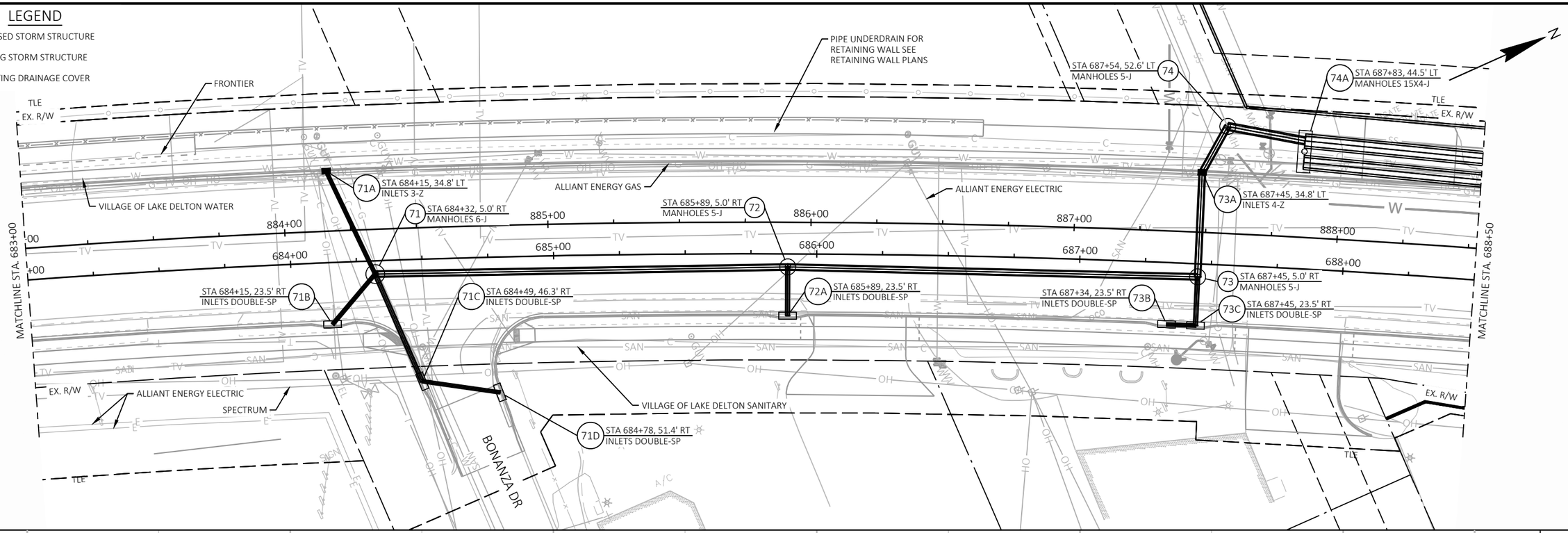


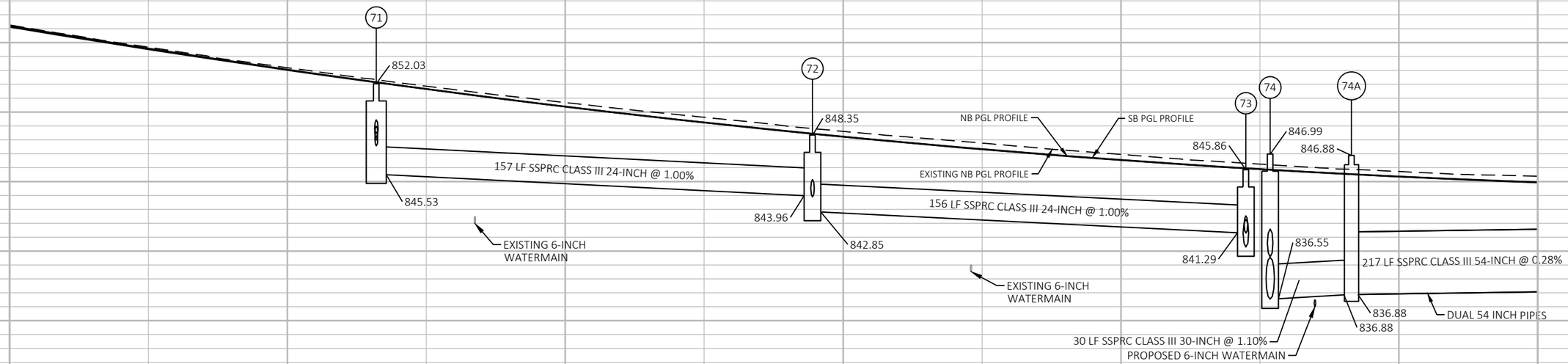
PROJECT NO: 6145-01-72	HWY: USH 12	COUNTY: SAUK	STORM SEWER	SHEET 228	E

2

LEGEND

- (XX) PROPOSED STORM STRUCTURE
- XX EXISTING STORM STRUCTURE
- XXX ADJUSTING DRAINAGE COVER



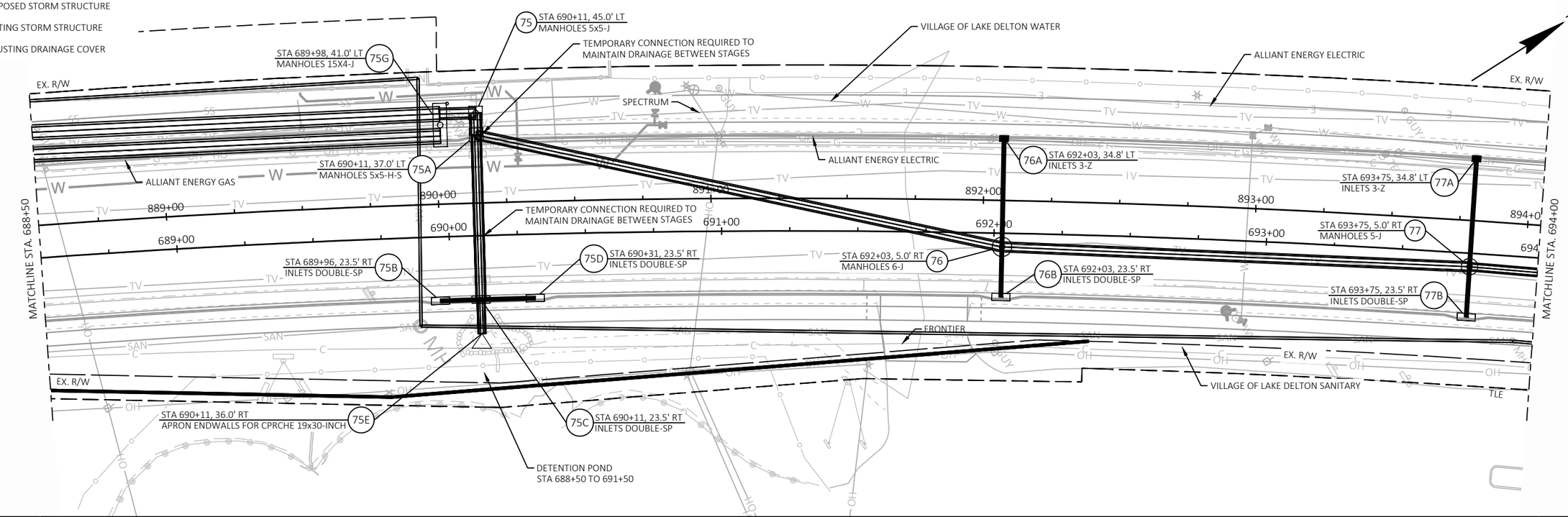


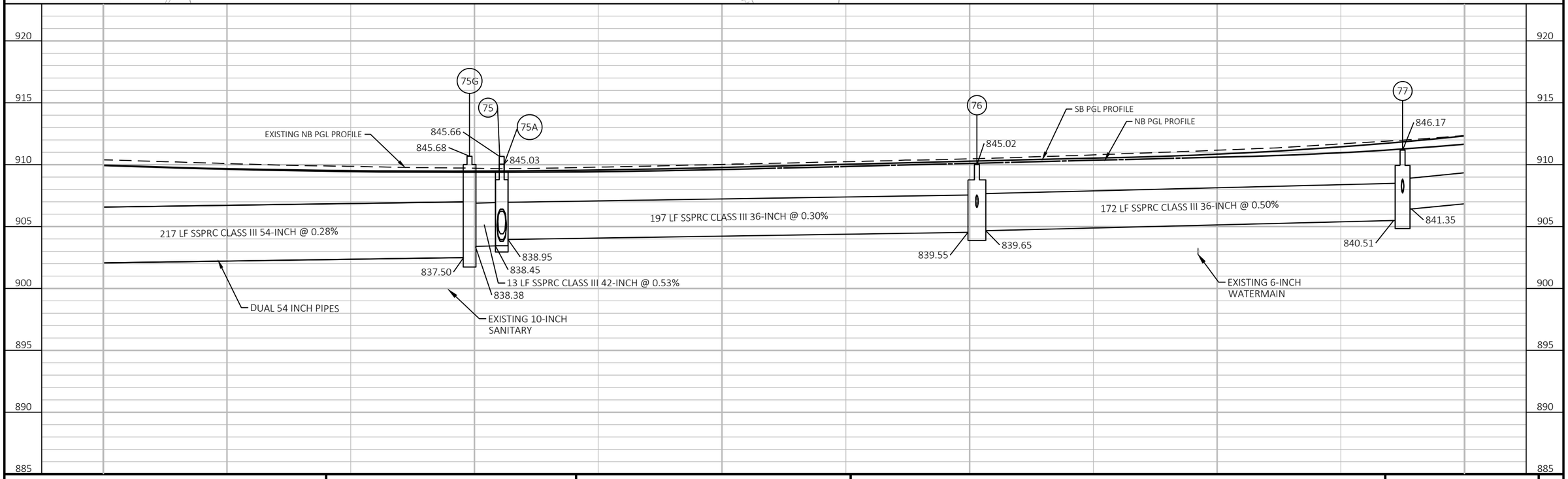
PROJECT NO: 6145-01-72	HWY: USH 12	COUNTY: SAUK	STORM SEWER	SHEET 229	E

2

LEGEND

- (XX) PROPOSED STORM STRUCTURE
- XX EXISTING STORM STRUCTURE
- XXX ADJUSTING DRAINAGE COVER



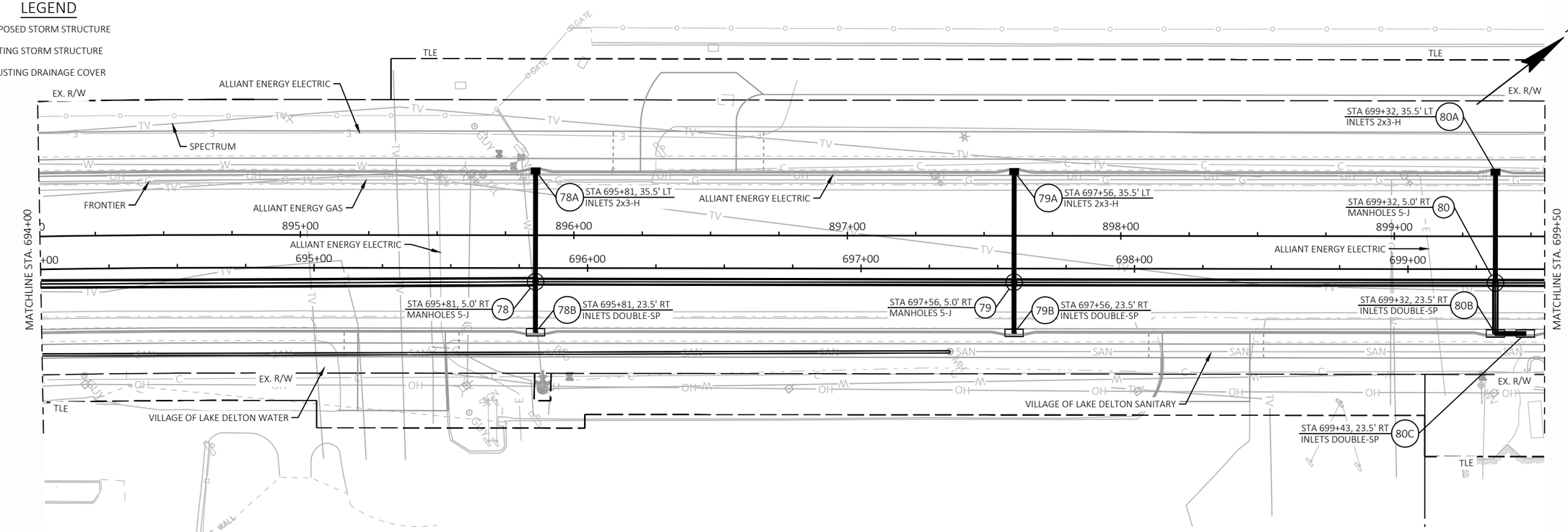


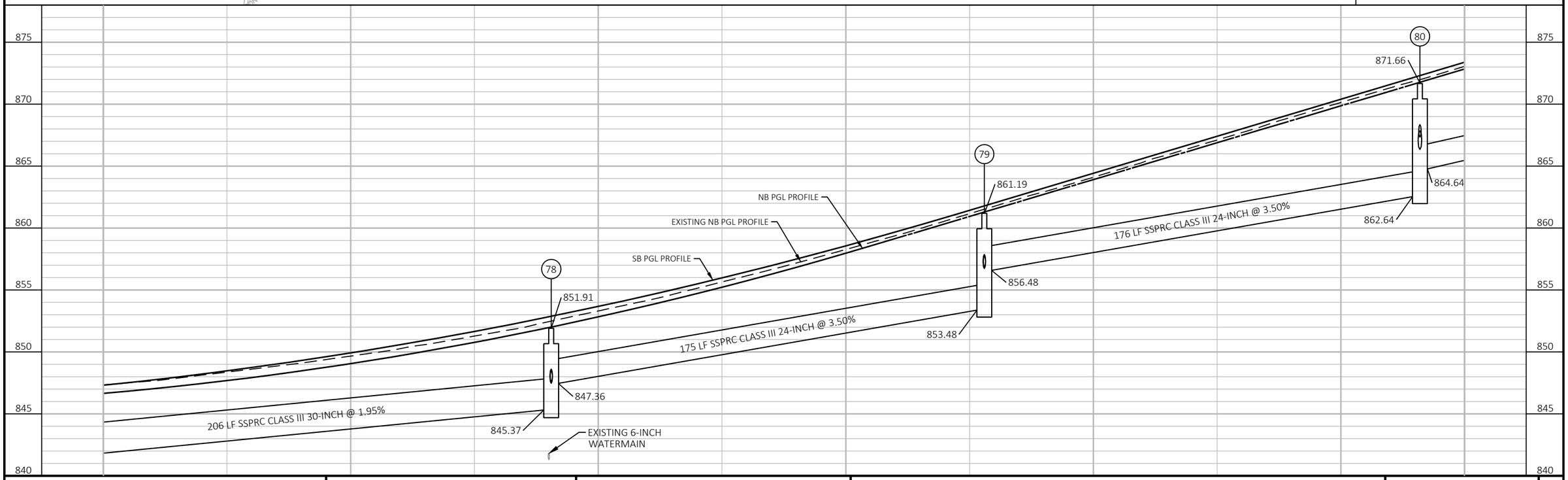
PROJECT NO: 6145-01-72	HWY: USH 12	COUNTY: SAUK	STORM SEWER	SHEET 230	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-72\022501_SS.DWG
LAYOUT NAME - 022508_ss
PLOT DATE : 6/18/2025 10:56 AM PLOT BY : BARRETT, WILL PLOT NAME : PLOT SCALE : 1 IN:40 FT

LEGEND

- (XX) PROPOSED STORM STRUCTURE
- (XX) EXISTING STORM STRUCTURE
- [XXX] ADJUSTING DRAINAGE COVER





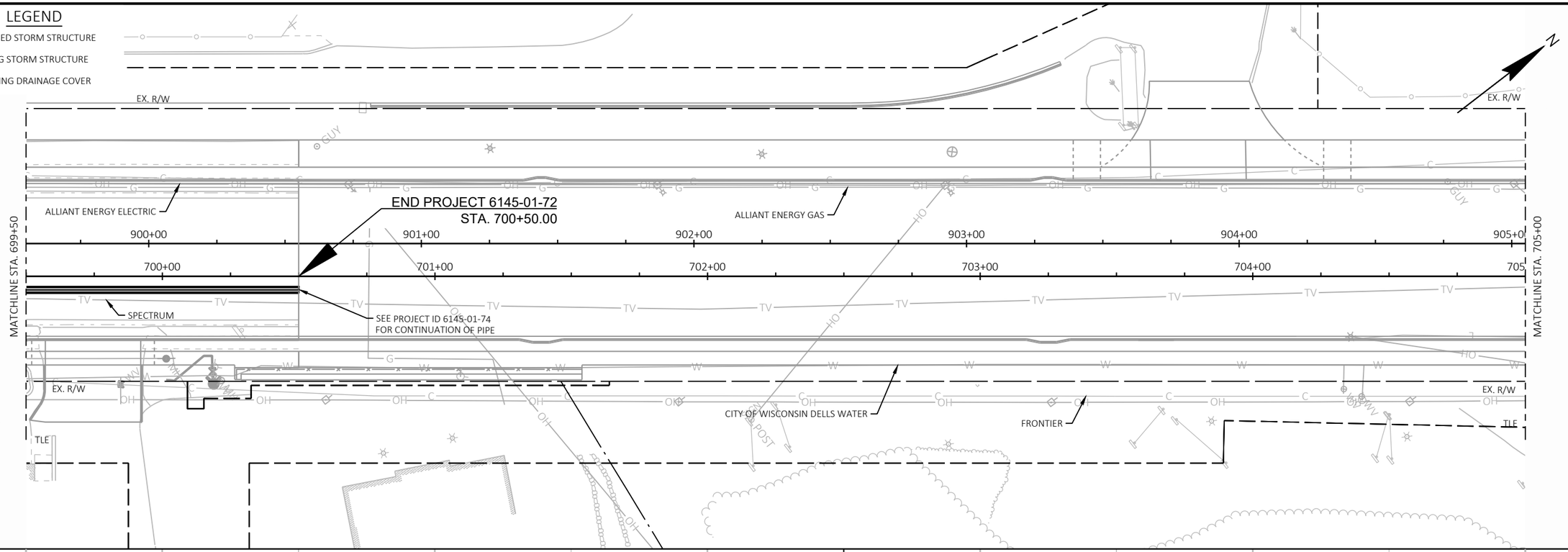
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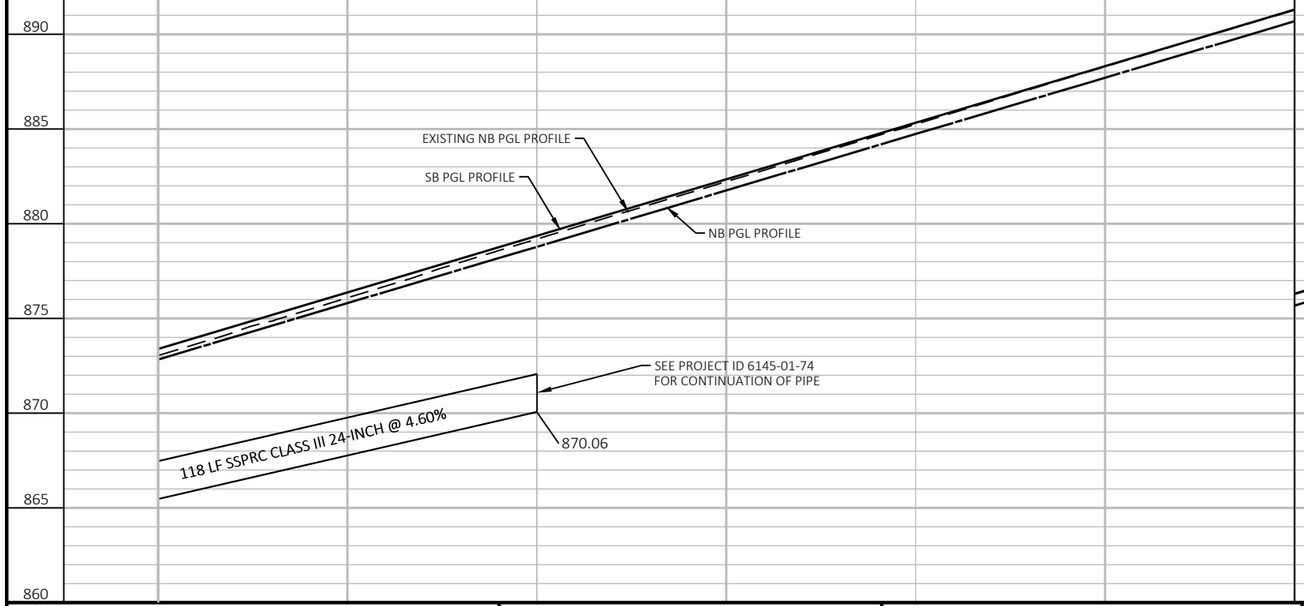
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LAYOUT NAME - 022509_ss
PLOT DATE : 6/18/2025 10:57 AM
PLOT BY : BARRETT, WILL
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44

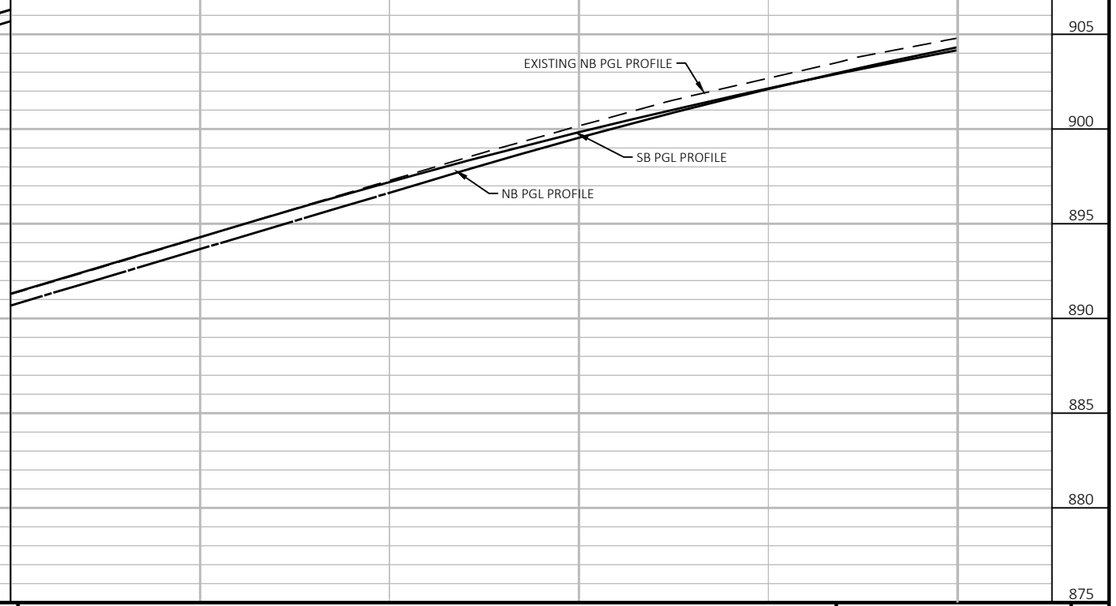
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LEGEND

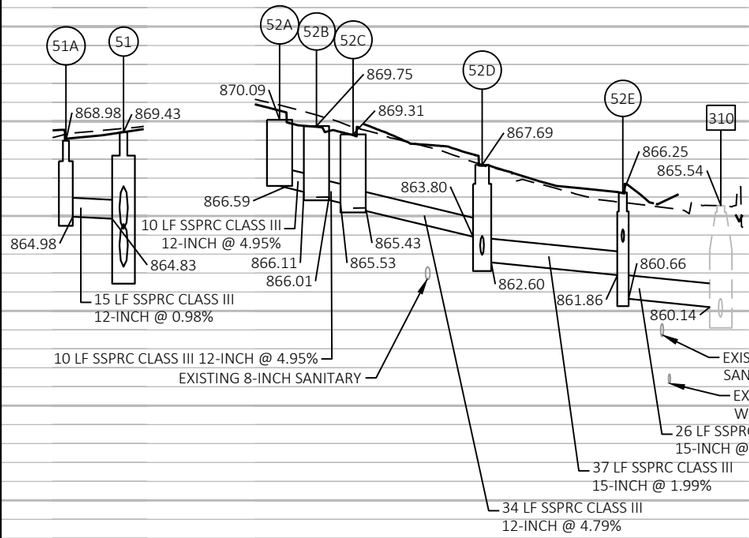
- (XX) PROPOSED STORM STRUCTURE
- XX EXISTING STORM STRUCTURE
- XXX ADJUSTING DRAINAGE COVER

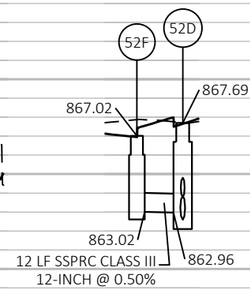


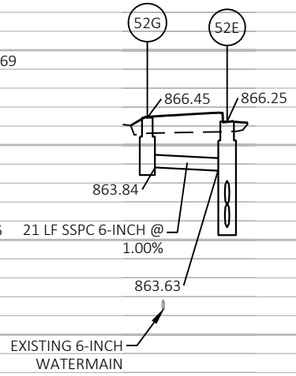


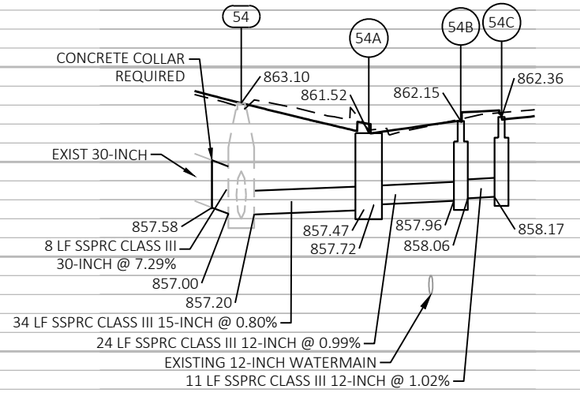


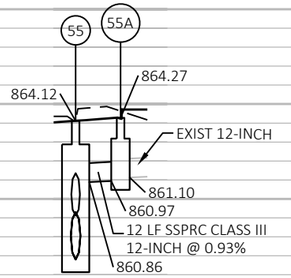
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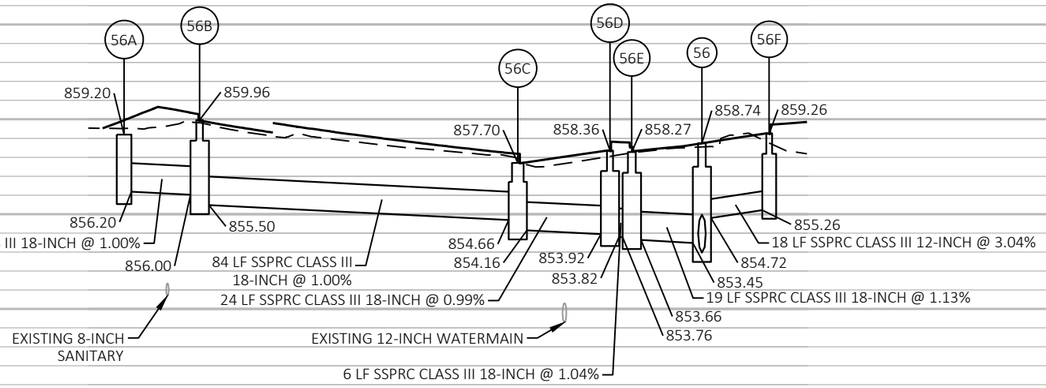






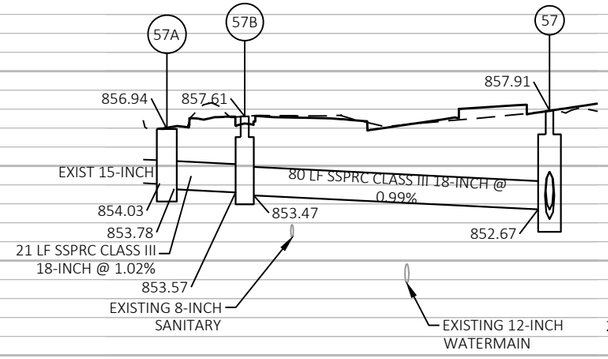


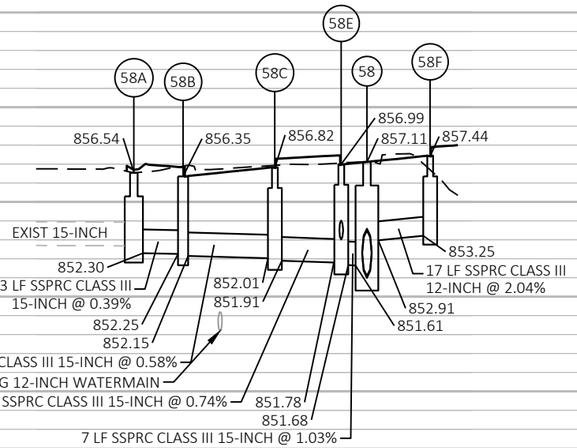


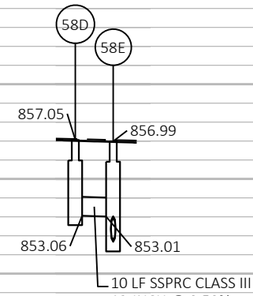


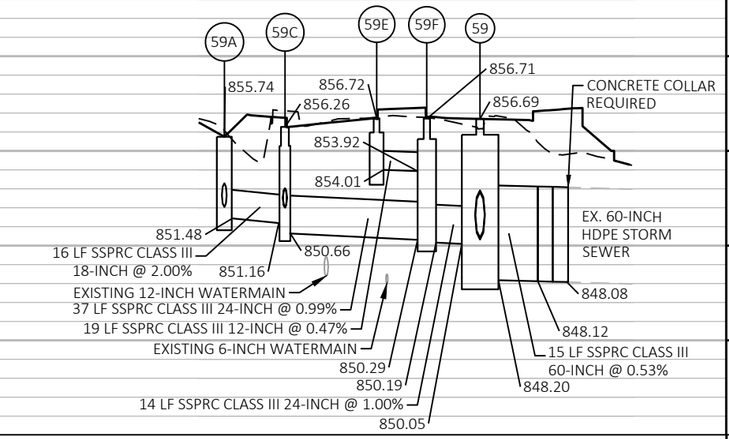
PROJECT NO: 6145-01-72	HWY: USH 12	COUNTY: SAUK	STORM SEWER	SHEET 233	E

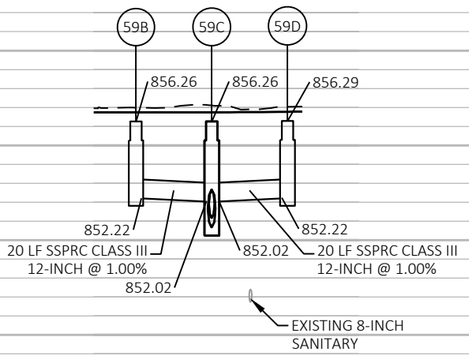
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LAYOUT NAME - 022513_ss
PLOT DATE : 6/18/2025 10:57 AM
PLOT BY : BARRETT, WILL
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 41

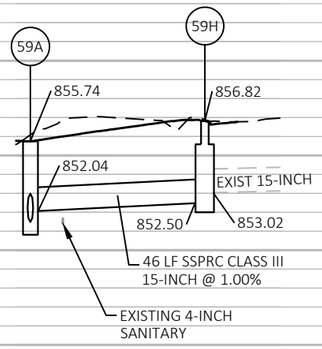


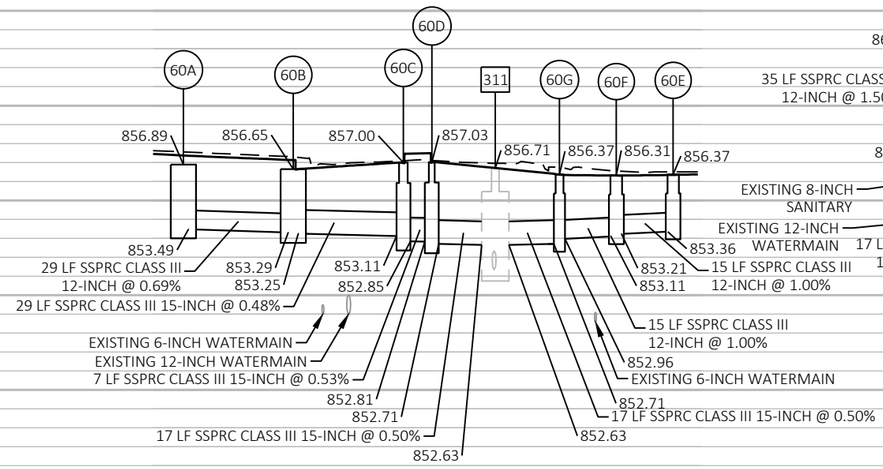


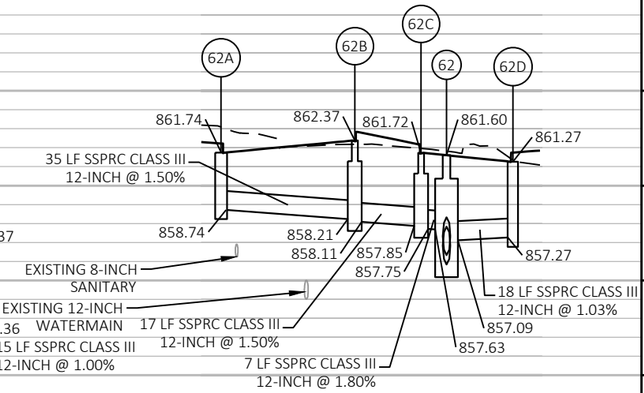










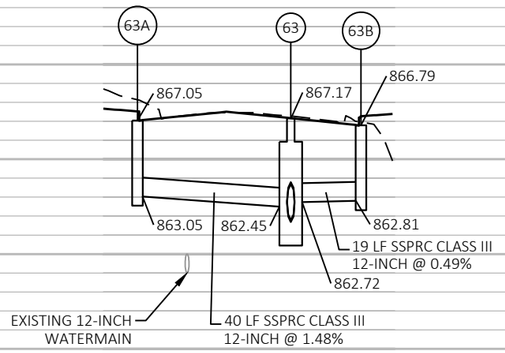


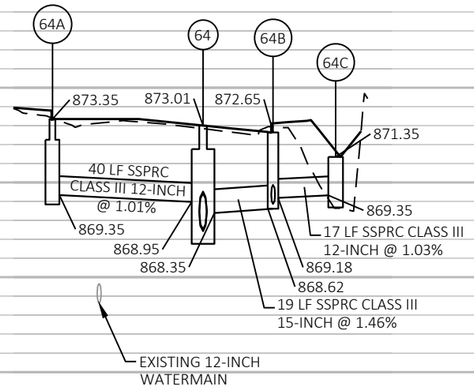
PROJECT NO: 6145-01-72	HWY: USH 12	COUNTY: SAUK	STORM SEWER	SHEET 234 E

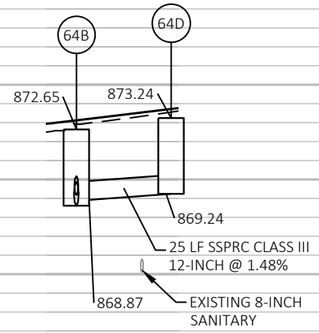
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LAYOUT NAME - 022514_ss

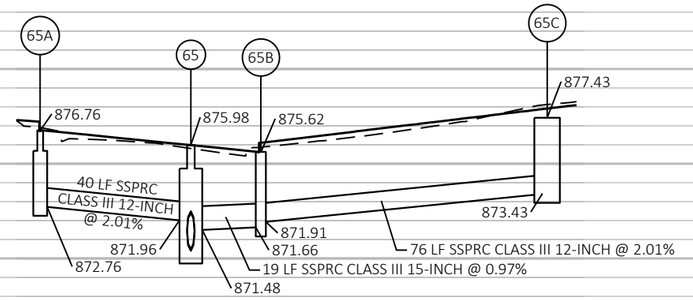
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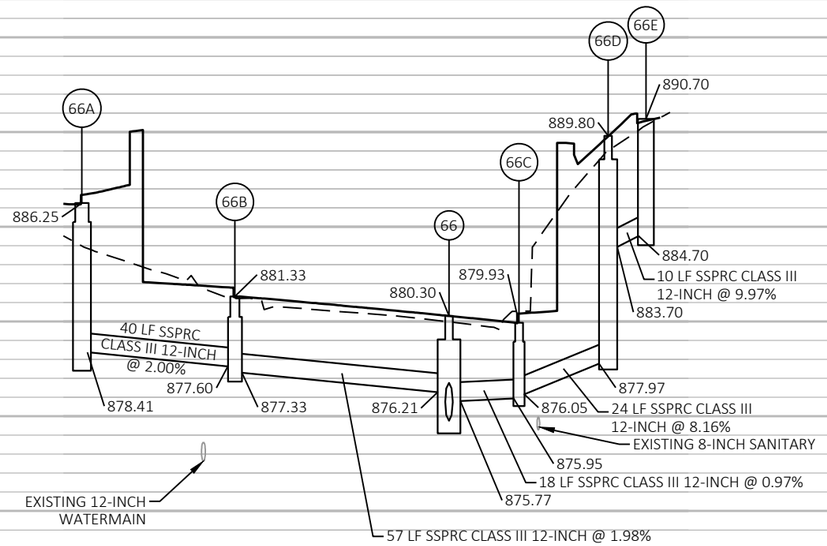
WISDOT/CADDS SHEET 41

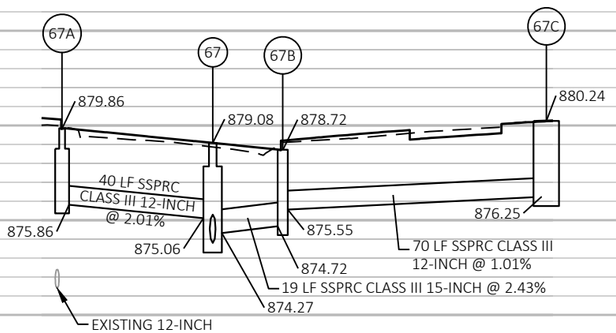


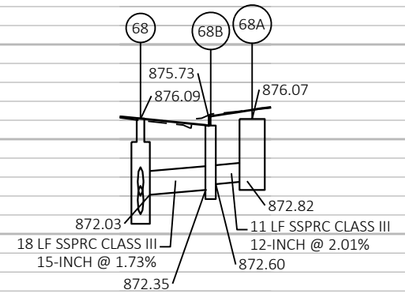


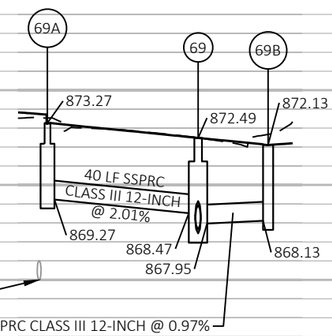






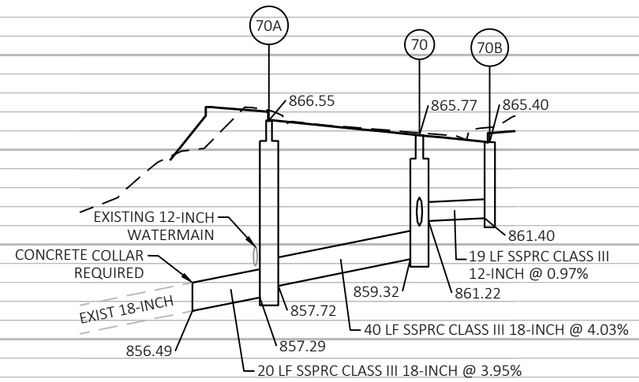


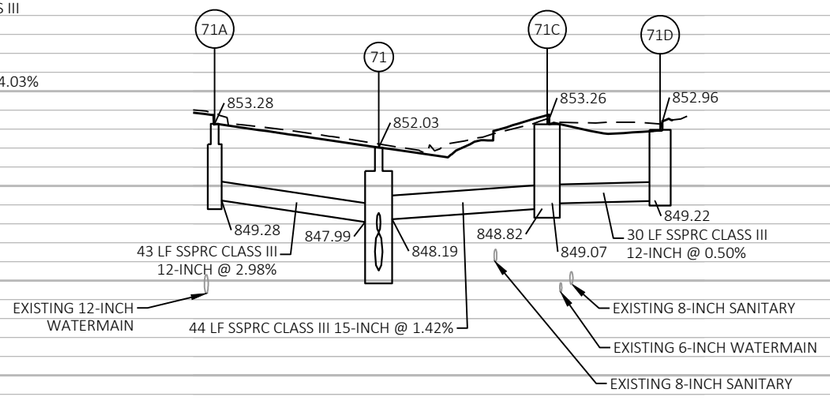


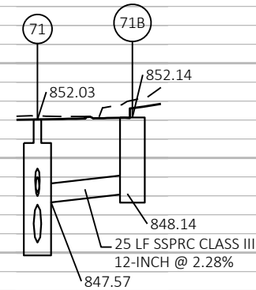


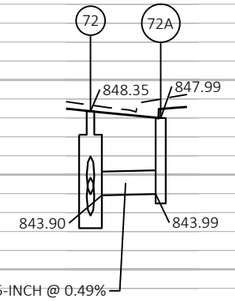
PROJECT NO: 6145-01-72	HWY: USH 12	COUNTY: SAUK	STORM SEWER	SHEET 235	E

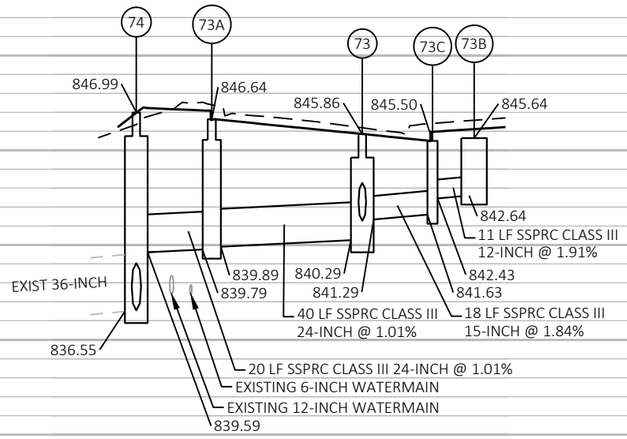
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LAYOUT NAME - 022515_ss
PLOT DATE : 6/18/2025 10:57 AM
PLOT BY : BARRETT, WILL
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 41

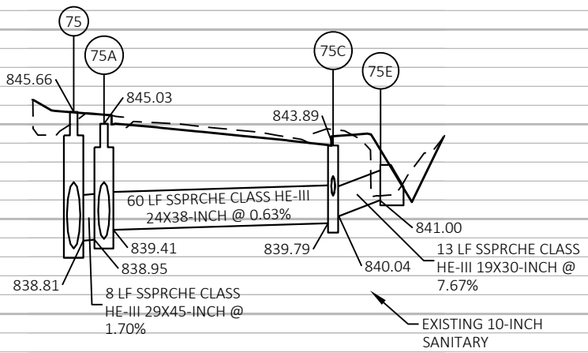


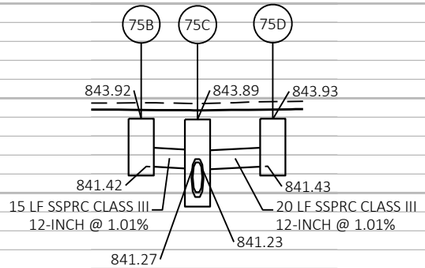




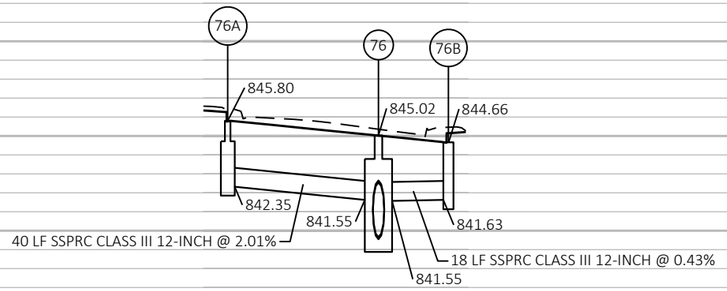


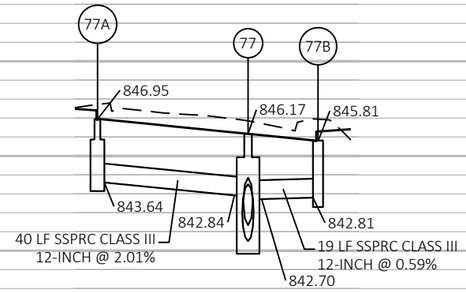


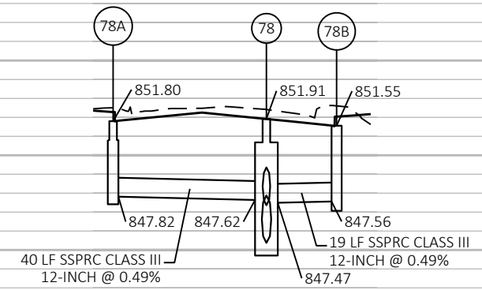


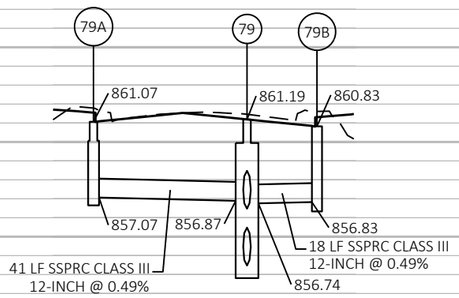


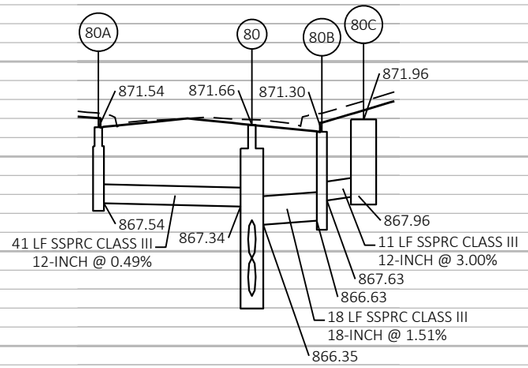
PROJECT NO: 6145-01-72	HWY: USH 12	COUNTY: SAUK	STORM SEWER	SHEET 236	E





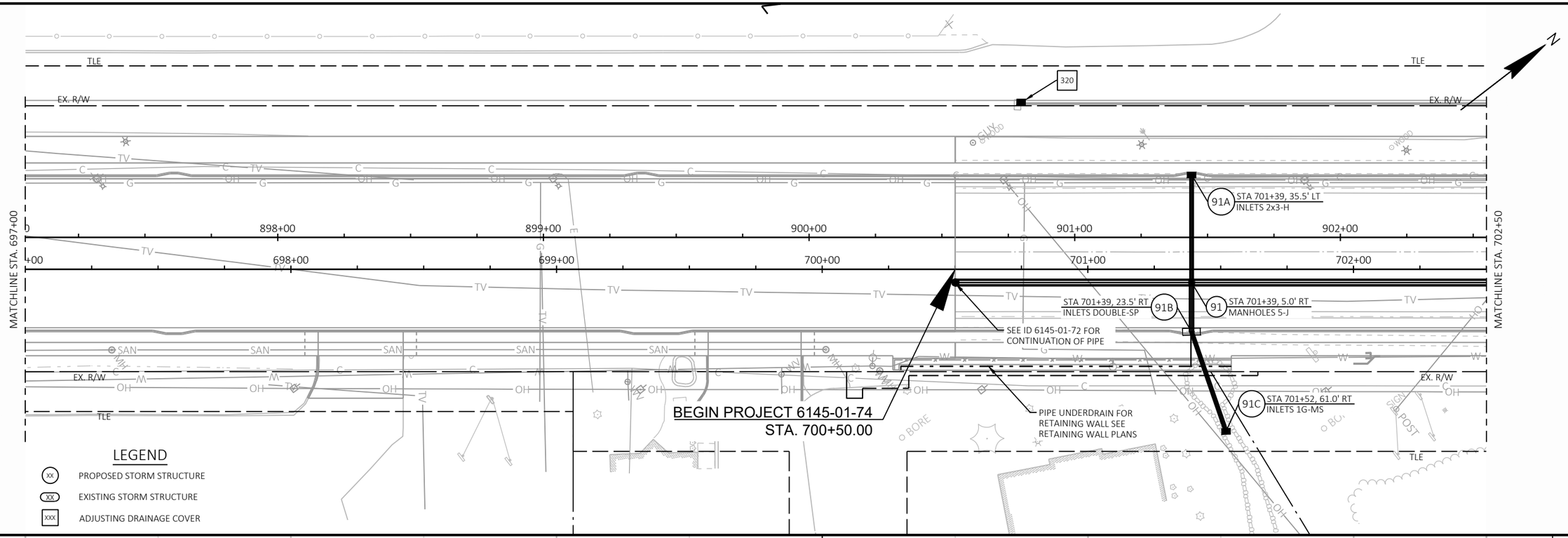


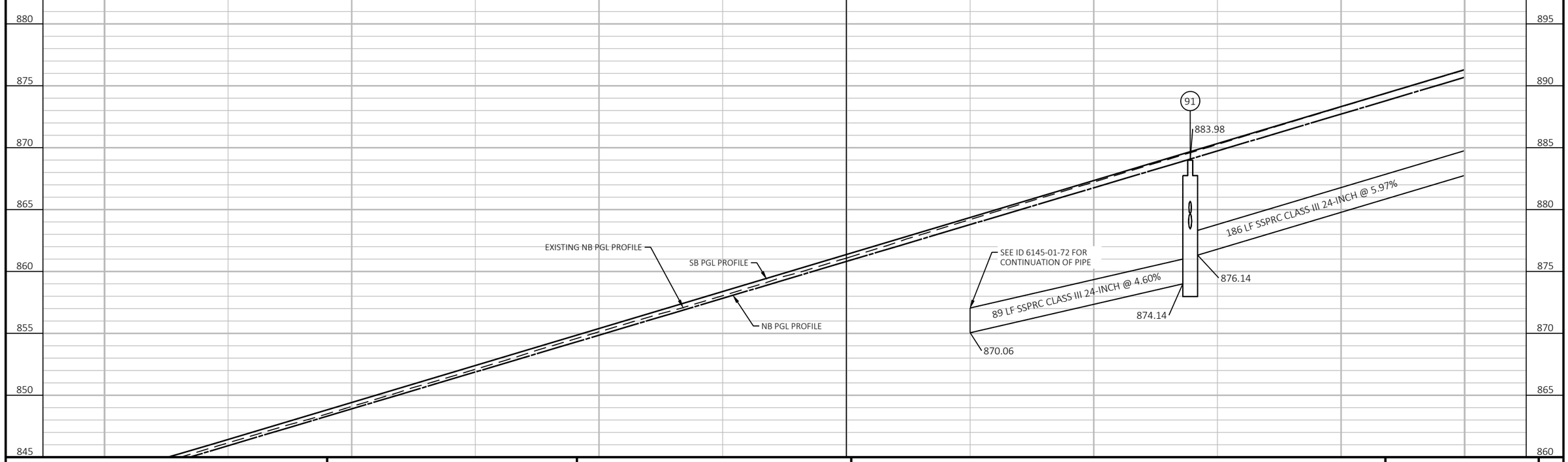




PROJECT NO: 6145-01-72	HWY: USH 12	COUNTY: SAUK	STORM SEWER	SHEET 237	E

2

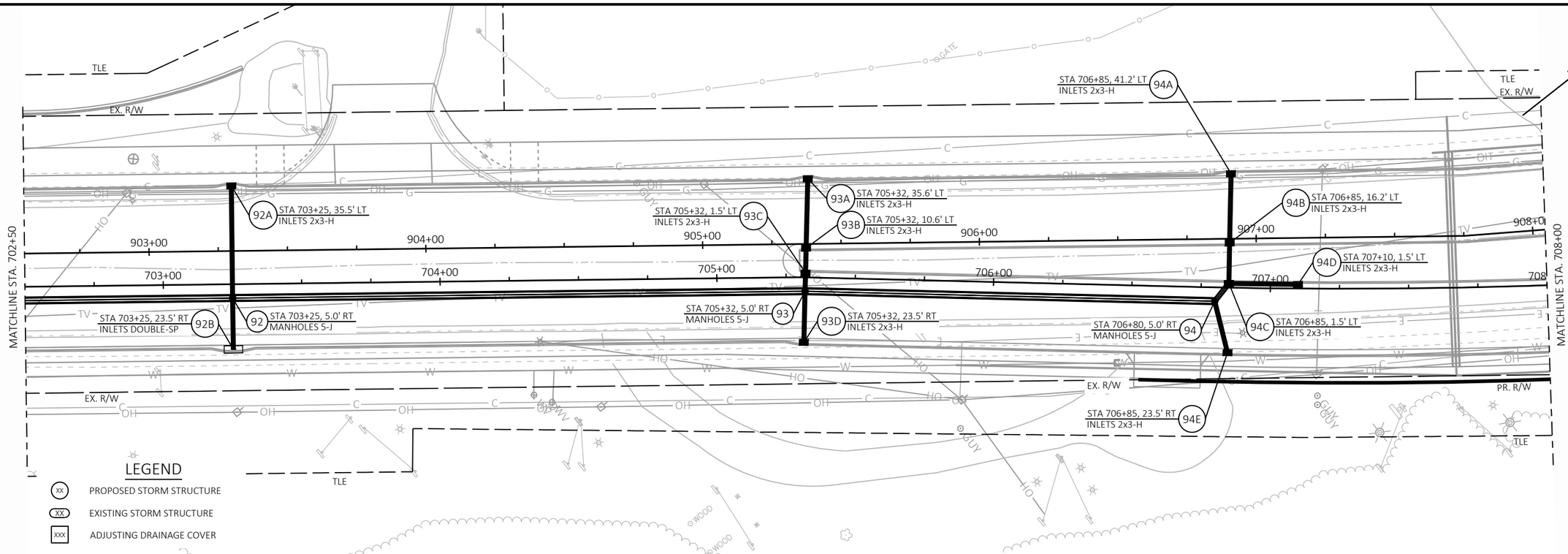


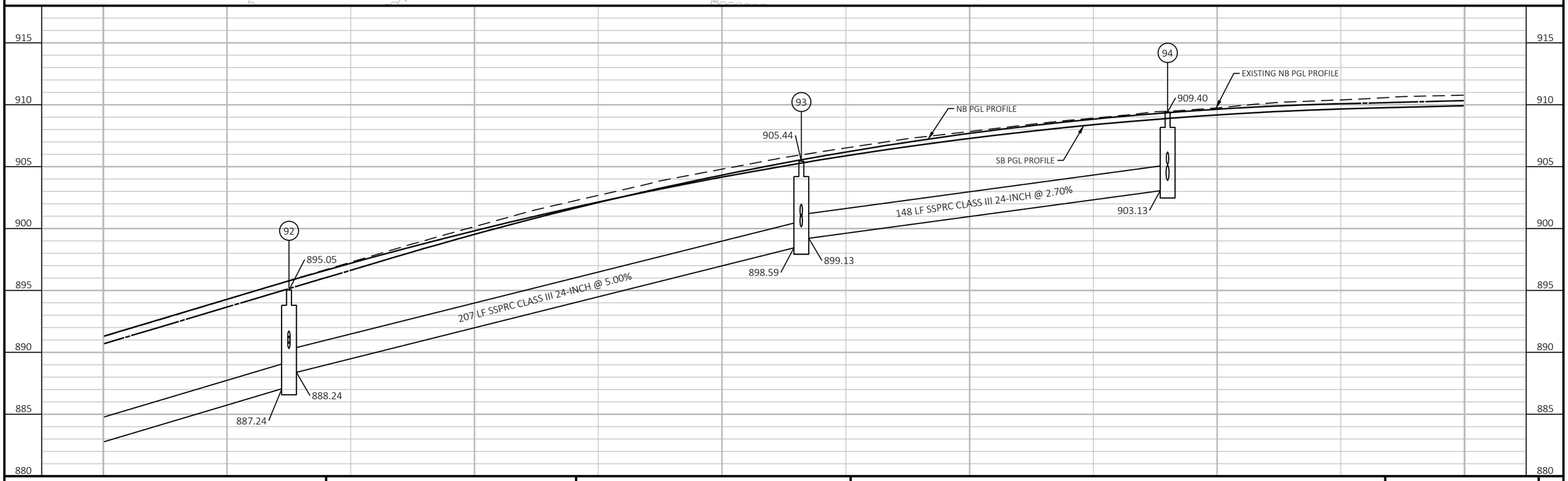


PROJECT NO: 6145-01-74	HWY: USH 12	COUNTY: SAUK	STORM SEWER	SHEET 238	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-74\022501_SS.DWG
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PLOT DATE : 8/19/2025 7:53 PM
PLOT BY : CHAPMAN, JULIE
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44

2



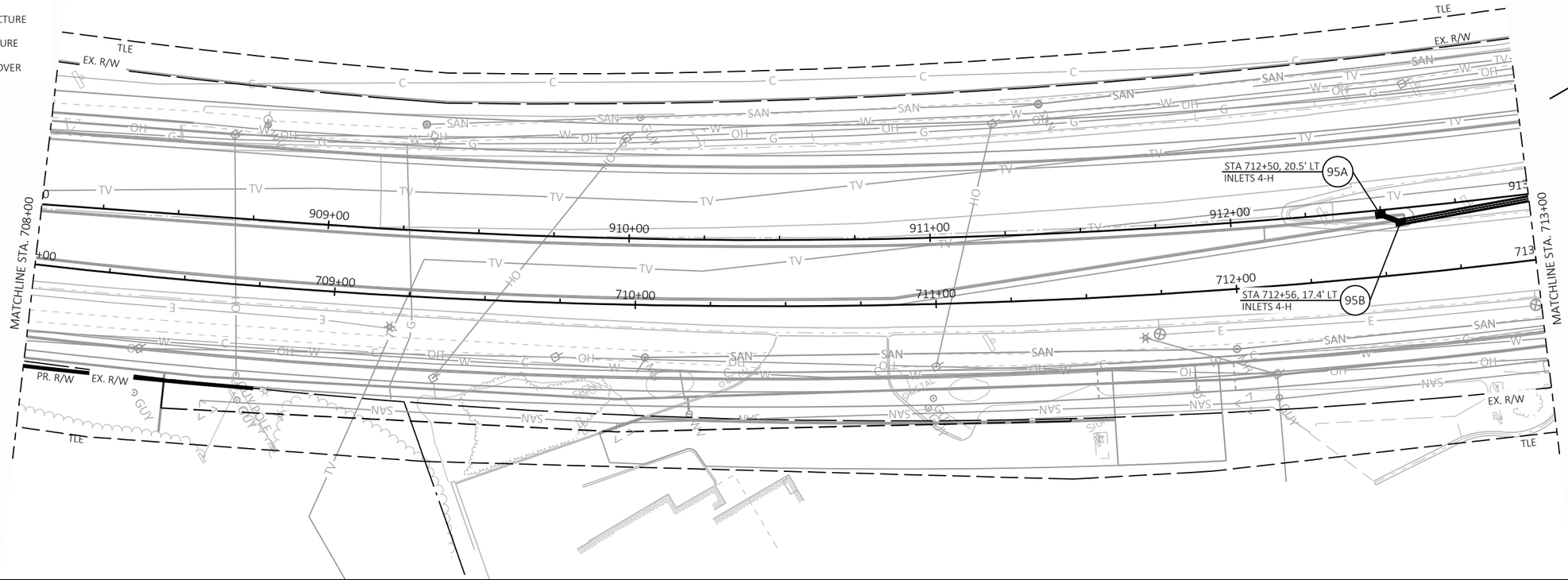


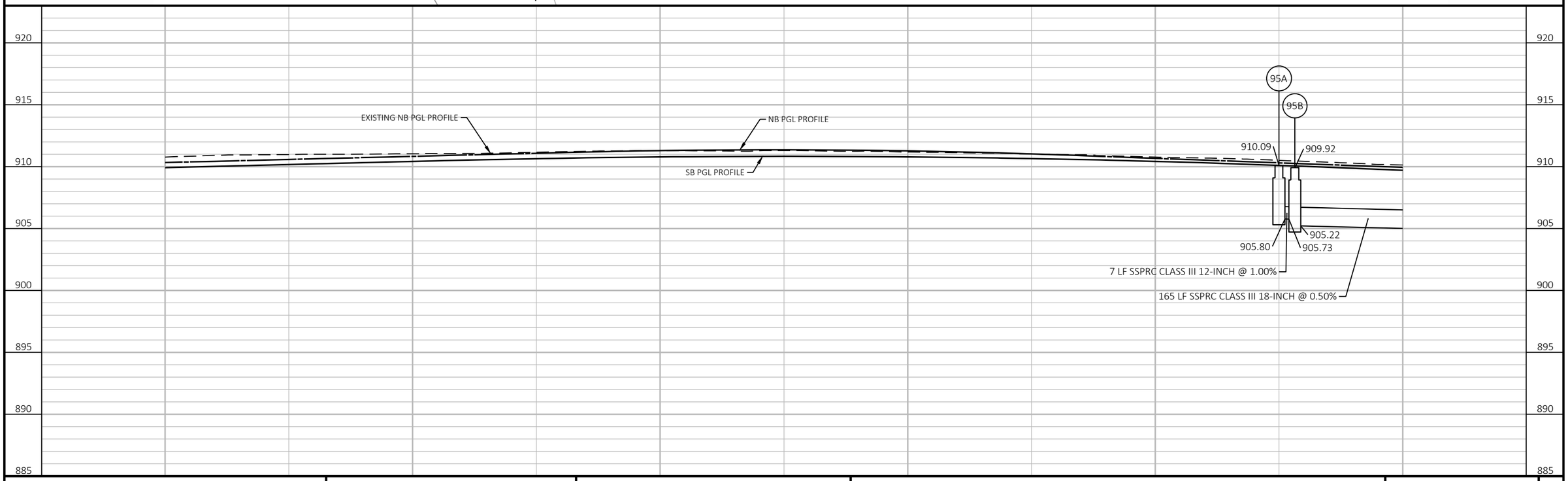
PROJECT NO: 6145-01-74	HWY: USH 12	COUNTY: SAUK	STORM SEWER	SHEET 239	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-74\022501_SS.DWG
LAYOUT NAME - 022504_ss
PLOT DATE : 6/18/2025 10:58 AM
PLOT BY : BARRETT, WILL
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44

LEGEND

- (xx) PROPOSED STORM STRUCTURE
- (XX) EXISTING STORM STRUCTURE
- [xxx] ADJUSTING DRAINAGE COVER





PROJECT NO: 6145-01-74	HWY: USH 12	COUNTY: SAUK	STORM SEWER	SHEET 240	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-74\022501_SS.DWG
LAYOUT NAME - 022505_ss

PLOT DATE : 6/18/2025 10:58 AM PLOT BY : BARRETT, WILL PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

2

LEGEND

- (xx) PROPOSED STORM STRUCTURE
- (xx) EXISTING STORM STRUCTURE
- [xxx] ADJUSTING DRAINAGE COVER

95D STA 714+18, 71.5' LT
INLETS 2x3-H-S

95C STA 713+95, 48.3' LT
INLETS 2x3-H

95E STA 714+23, 48.5' LT
INLETS 2x3-H

95 STA 714+23, 24.2' LT
MANHOLES 6-J

95F STA 714+00, 24.7' RT
INLETS 3-A

95G STA 713+95, 65.0' RT
EX. MANHOLE

96E STA 717+00, 62.2' LT
EX INLET WITH NEW J COVER

96A STA 717+01, 48.4' LT
INLETS 2x3-H

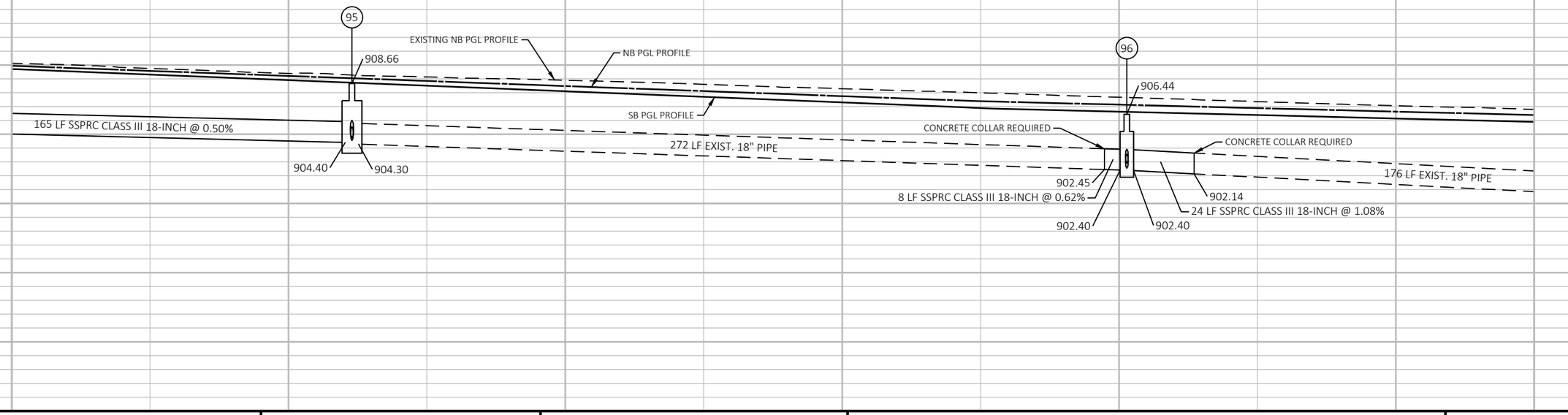
96 STA 717+03, 28.9' LT
MANHOLES 4-J

96B STA 717+03, 6.3' LT
INLETS 3-Z

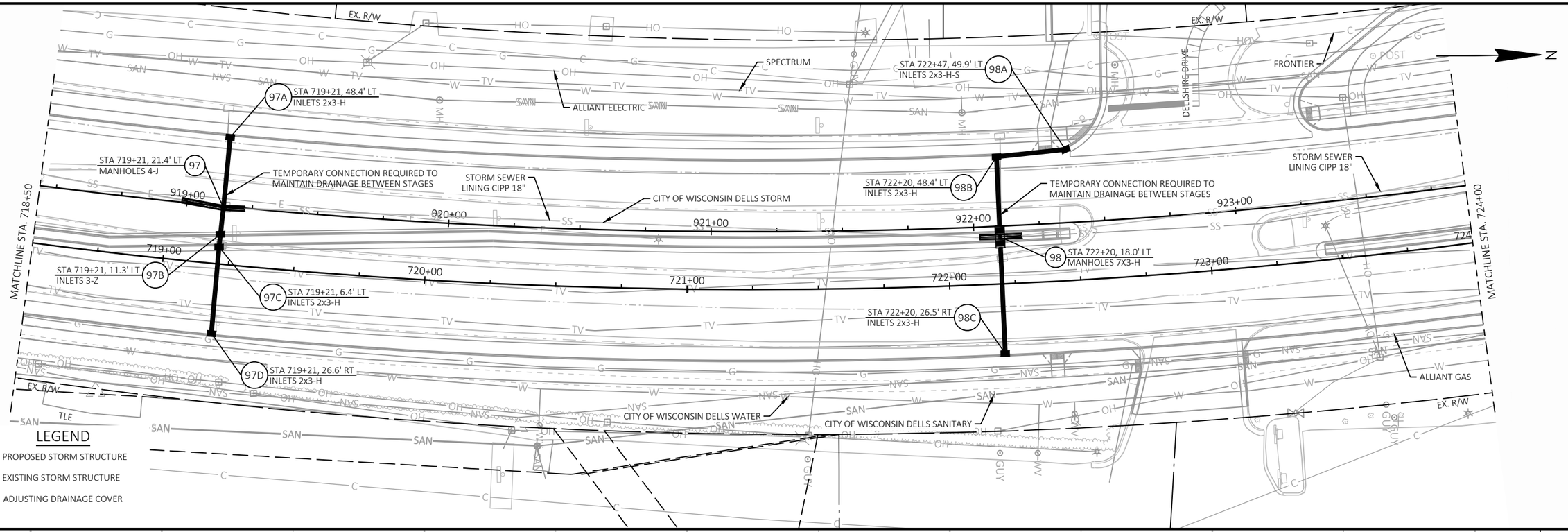
96C STA 717+03, 1.4' LT
INLETS 2x3-H

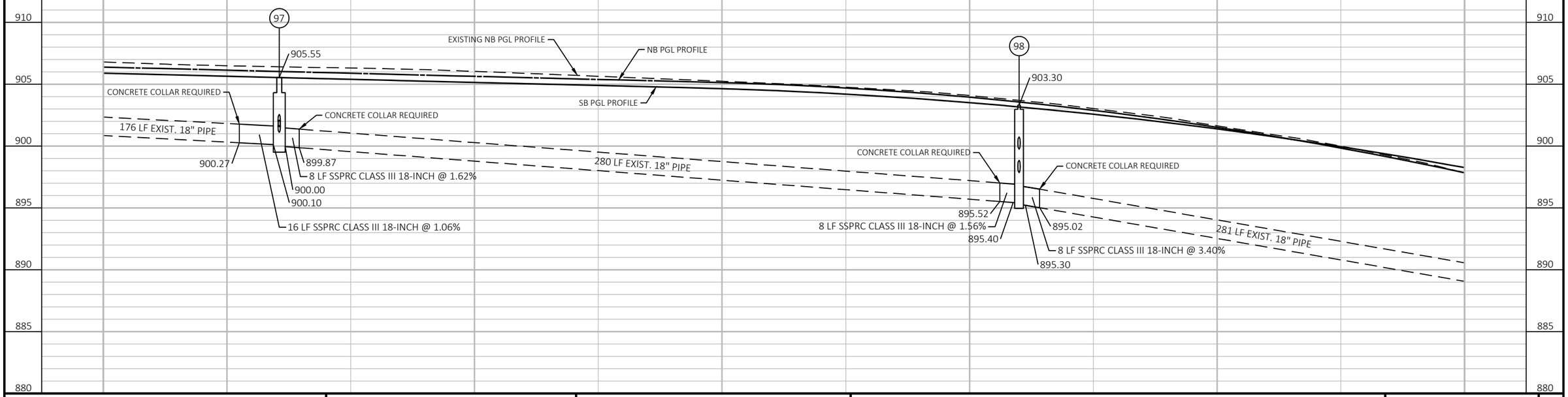
96D STA 717+03, 26.6' RT
INLETS 2x3-H

ALLIANT ELECTRIC
ALLIANT GAS
SPECTRUM
TEMPORARY CONNECTION REQUIRED TO MAINTAIN DRAINAGE BETWEEN STAGES
TEMPORARY CONNECTION REQUIRED TO MAINTAIN DRAINAGE BETWEEN STAGES
STORM SEWER LINING CIPP 18"
CITY OF WISCONSIN DELLS STORM
CITY OF WISCONSIN DELLS WATER
CITY OF WISCONSIN DELLS SANITARY
FRONTIER
MATCHLINE STA. 713+00
MATCHLINE STA. 718+50
EX. R/W
TLE
EX R/W



PROJECT NO: 6145-01-74	HWY: USH 12	COUNTY: SAUK	STORM SEWER	SHEET 241	E

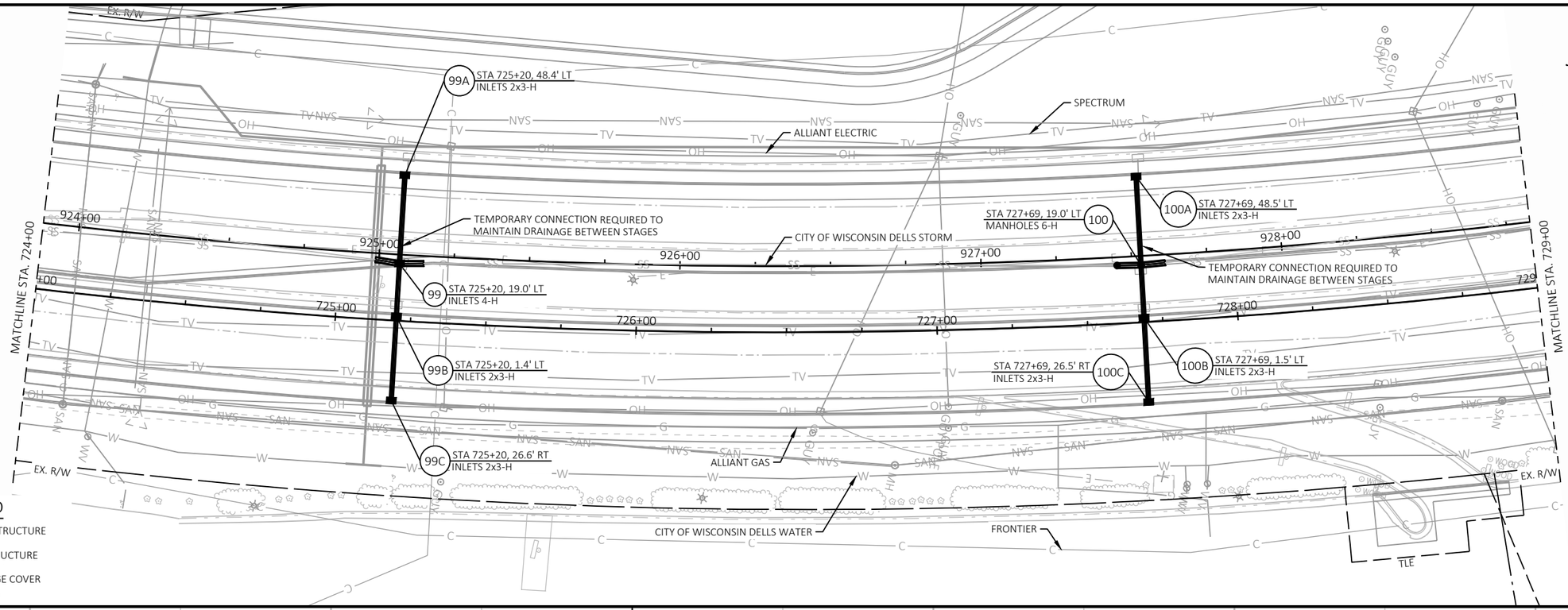




PROJECT NO: 6145-01-74	HWY: USH 12	COUNTY: SAUK	STORM SEWER	SHEET 242	E

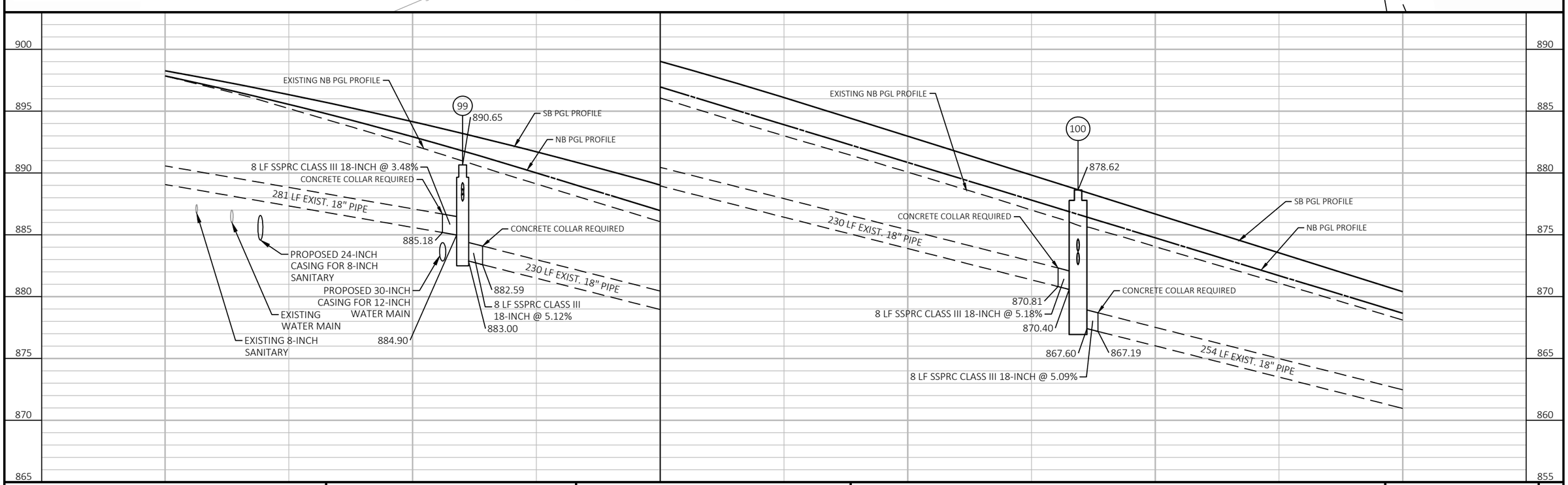
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LAYOUT NAME - 022507_ss
PLOT DATE : 6/18/2025 10:58 AM
PLOT BY : BARRETT, WILL
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44

2



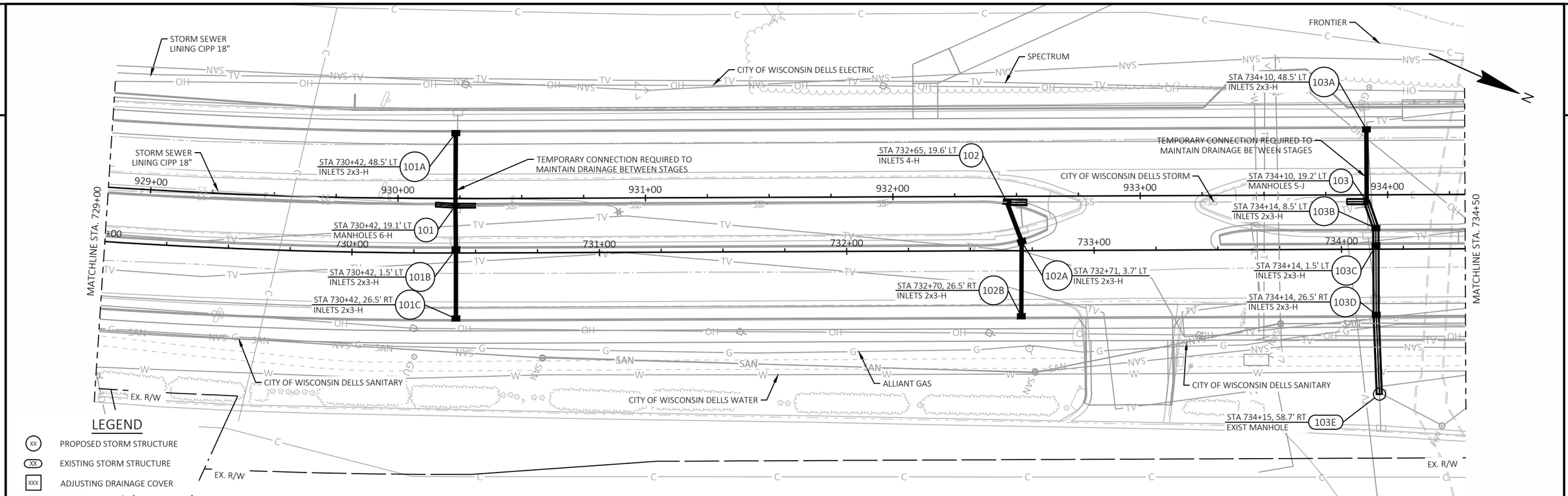
LEGEND

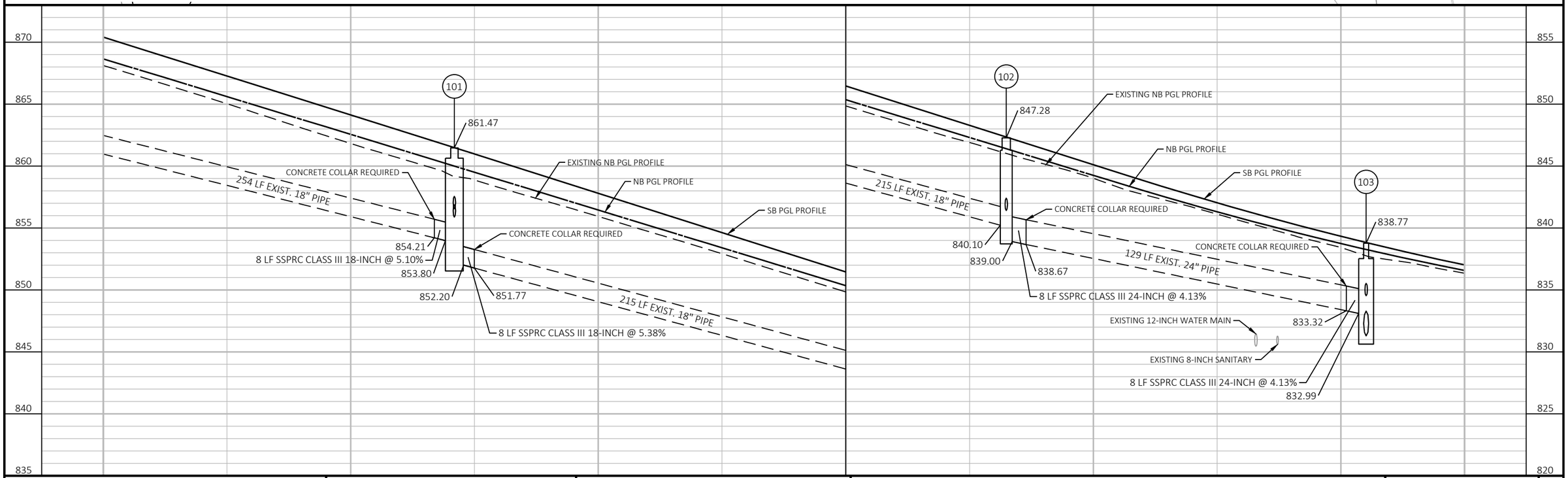
- (XX) PROPOSED STORM STRUCTURE
- (XX) EXISTING STORM STRUCTURE
- [XXX] ADJUSTING DRAINAGE COVER



PROJECT NO: 6145-01-74	HWY: USH 12	COUNTY: SAUK	STORM SEWER	SHEET 243	E

2





PROJECT NO: 6145-01-74	HWY: USH 12	COUNTY: SAUK	STORM SEWER	SHEET 244	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-74\022501_SS.DWG
LAYOUT NAME - 022509_ss
PLOT DATE : 6/18/2025 10:59 AM
PLOT BY : BARRETT, WILL
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44

2

LEGEND

- (xx) PROPOSED STORM STRUCTURE
- (XX) EXISTING STORM STRUCTURE
- [xxx] ADJUSTING DRAINAGE COVER

EX. R/W

CITY OF WISCONSIN DELLS WATER

FRONTIER

PLE

PR. R/W

SPECTRUM

MATCHLINE STA. 734+50

MATCHLINE STA. 740+00

935+00 936+00 937+00 938+00 939+00

735+00 736+00 737+00 738+00 739+00 740

STA 737+27, 20.5' LT
INLETS 2x3-H-S
105B

105A STA 737+25, 55.5' LT
INLETS 2x3-H-S

STA 738+90, 64.6' LT
INLETS 2x3-H
106A

TEMPORARY CONNECTION REQUIRED TO MAINTAIN DRAINAGE BETWEEN STAGES

STA 737+01, 13.5' LT
INLETS 2x3-H-S
105C

106C STA 738+90, 15.9' LT
INLETS 3-Z

STA 737+02, 33.5' RT
INLETS 2x3-H
105D

STA 738+56, 17.8' LT
INLETS 3-Z
106B

105E STA 737+25, 36.5' RT
INLETS 2x3-H-S

STA 738+93, 11.7' LT
INLETS 3-Z
106D

106E STA 738+93, 39.5' RT
INLETS 2x3-H

104 STA 734+56, 59.9' RT
EXIST MANHOLE

STORM SEWER LINING CIPP 15"

CITY OF WISCONSIN DELLS SANITARY

CITY OF WISCONSIN DELLS STORM

105 STA 736+97, 64.5' RT
EXIST MANHOLE

106 STA 738+93, 65.0' RT
MANHOLES 7-J

ALLIANT GAS

EX. R/W

840 835 830 825 820 815 810 805

104

835.48

EXISTING NB PGL PROFILE

NB PGL PROFILE

105

832.22

SB PGL PROFILE

106

832.59

CONCRETE COLLAR REQUIRED

186 LF EXIST. 34X53" PIPE

163 LF EXIST. 34X53" PIPE

243 LF EXIST. 34X53" PIPE

824.84

824.86

8 LF SSPRCHE CLASS HE-III 34X53-INCH @ 0.30%

824.86

PROJECT NO: 6145-01-74	HWY: USH 12	COUNTY: SAUK	STORM SEWER	SHEET 245	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-74\022501_SS.DWG
LAYOUT NAME - 022510_ss

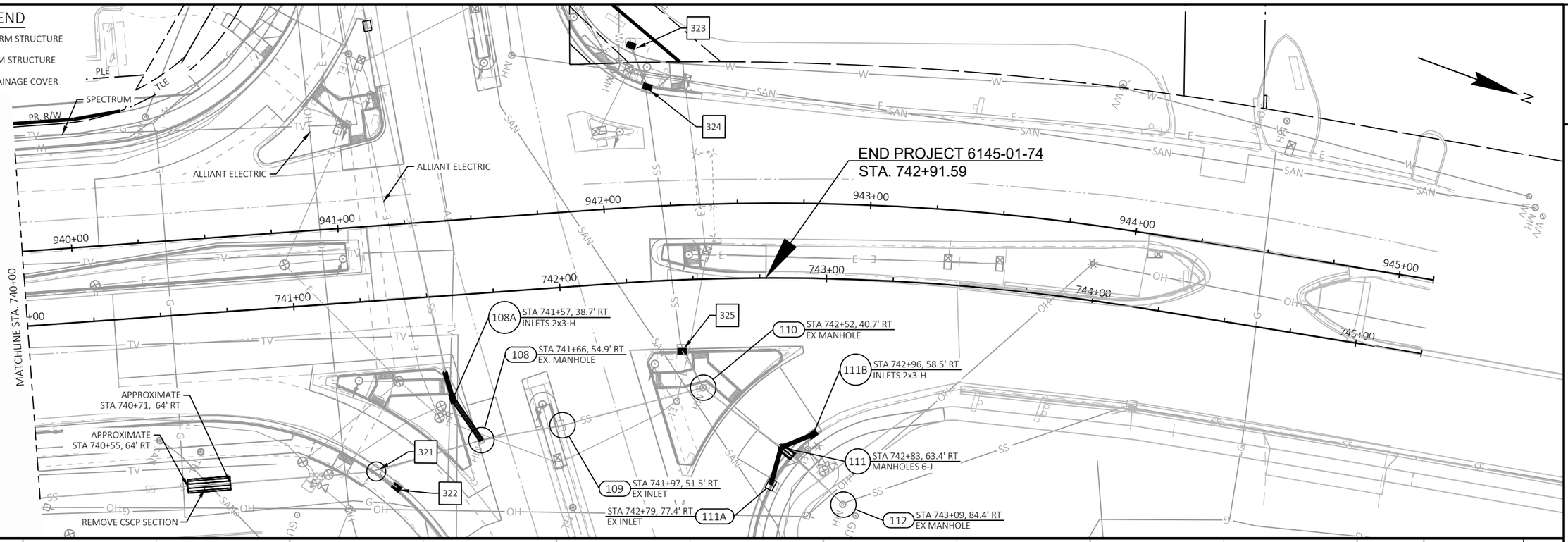
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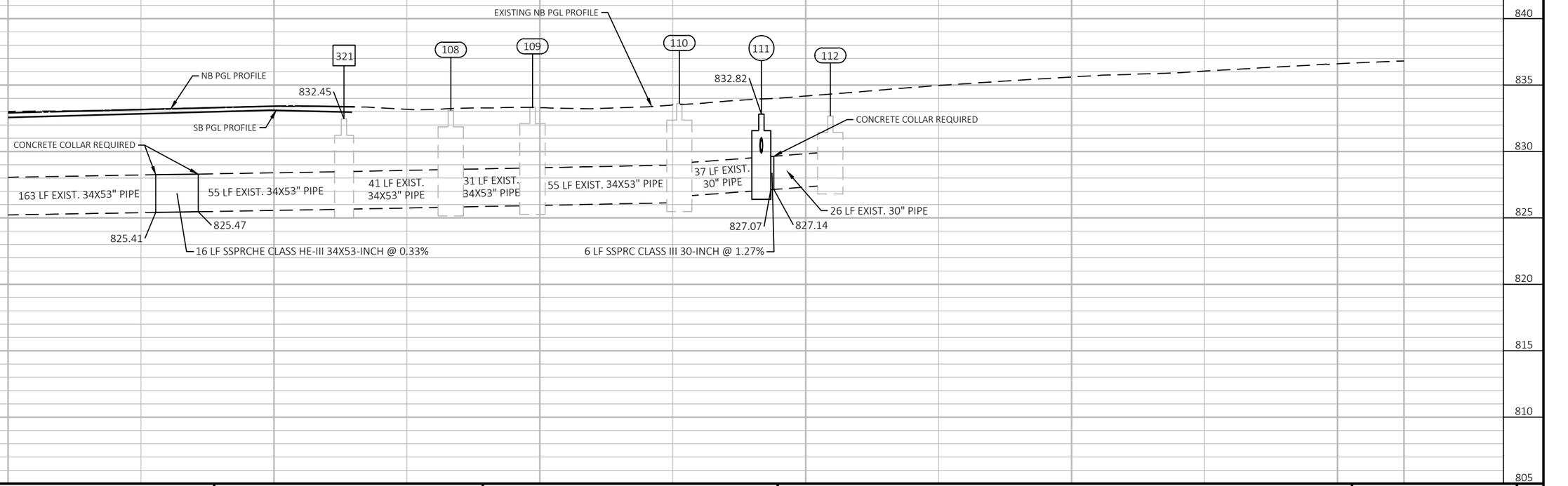
WISDOT/CADDS SHEET 44

2

LEGEND

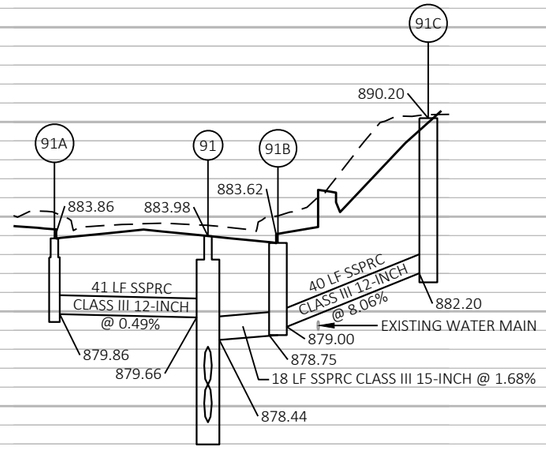
- (xx) PROPOSED STORM STRUCTURE
- (XX) EXISTING STORM STRUCTURE
- [xxx] ADJUSTING DRAINAGE COVER

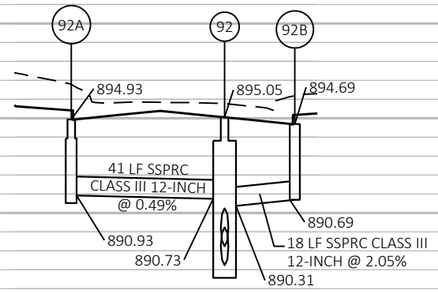


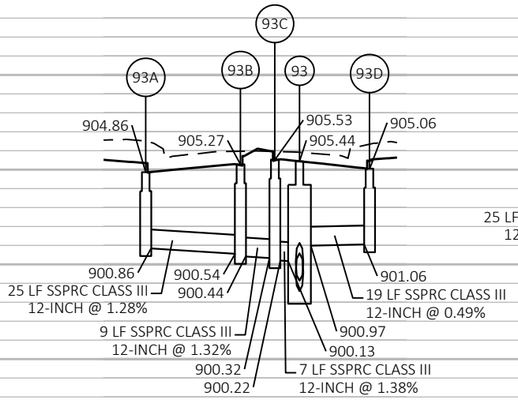


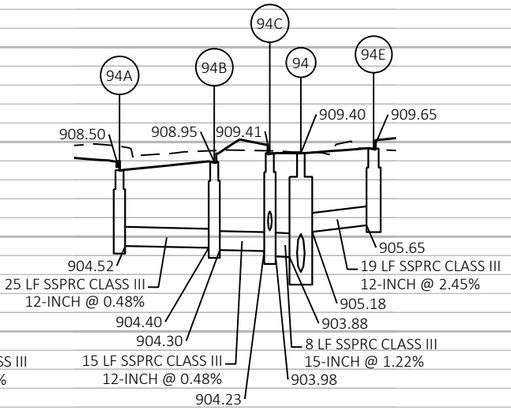
PROJECT NO: 6145-01-74	HWY: USH 12	COUNTY: SAUK	STORM SEWER	SHEET 246	E

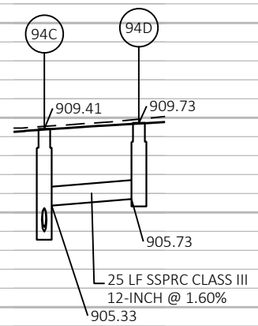
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PLOT DATE : 6/18/2025 10:59 AM
PLOT BY : BARRETT, WILL
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44

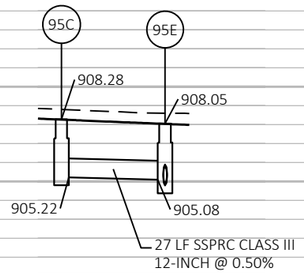


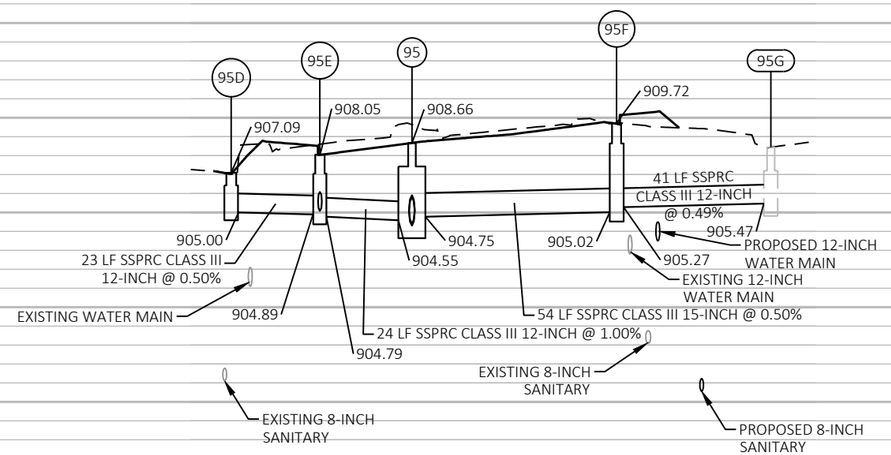






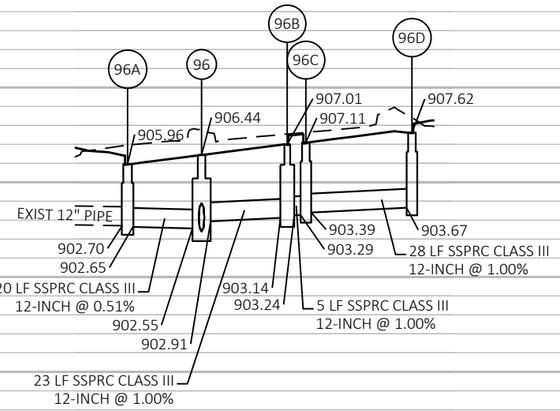


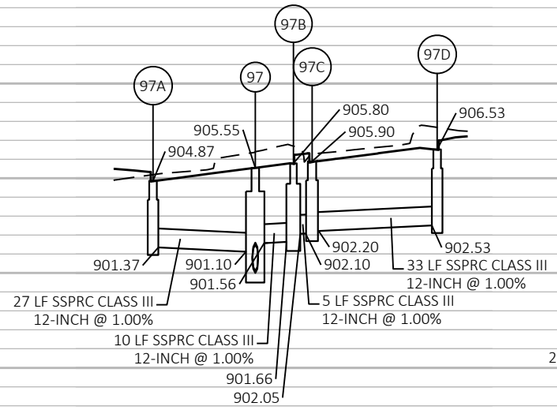


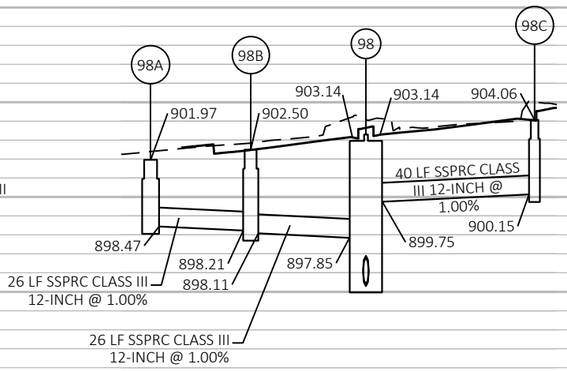


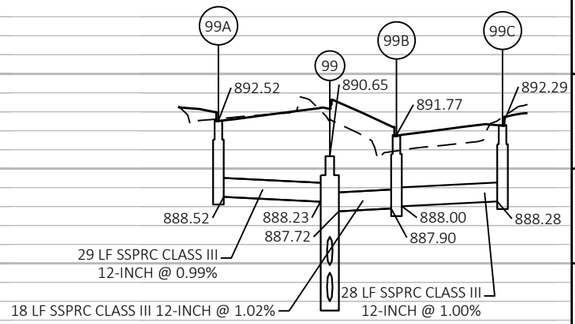
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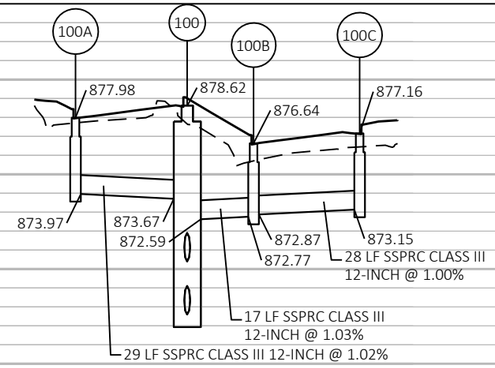
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WISDOT/CADDS SHEET 41

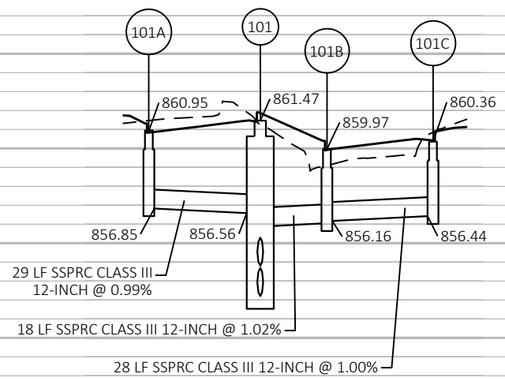

96A
96
96B
96C
96D
905.96
906.44
907.01
907.11
907.62
EXIST 12" PIPE
902.70
902.65
903.39
903.29
903.67
20 LF SSPRC CLASS III
12-INCH @ 0.51%
902.55
902.91
903.14
903.24
28 LF SSPRC CLASS III
12-INCH @ 1.00%
5 LF SSPRC CLASS III
12-INCH @ 1.00%
23 LF SSPRC CLASS III
12-INCH @ 1.00%

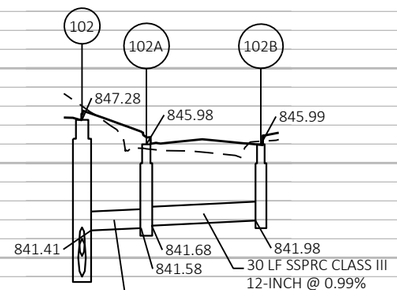

97A
97
97B
97C
97D
904.87
905.55
905.80
905.90
906.53
901.37
901.10
901.56
902.20
902.10
902.53
27 LF SSPRC CLASS III
12-INCH @ 1.00%
10 LF SSPRC CLASS III
12-INCH @ 1.00%
5 LF SSPRC CLASS III
12-INCH @ 1.00%
33 LF SSPRC CLASS III
12-INCH @ 1.00%
901.66
902.05

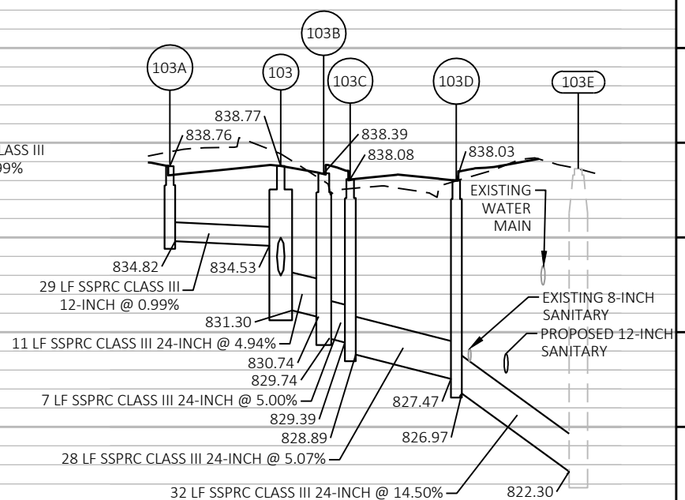

98A
98B
98
98C
901.97
902.50
903.14
903.14
904.06
898.47
898.21
898.11
897.85
899.75
900.15
40 LF SSPRC CLASS
III 12-INCH @
1.00%
26 LF SSPRC CLASS III
12-INCH @ 1.00%
26 LF SSPRC CLASS III
12-INCH @ 1.00%

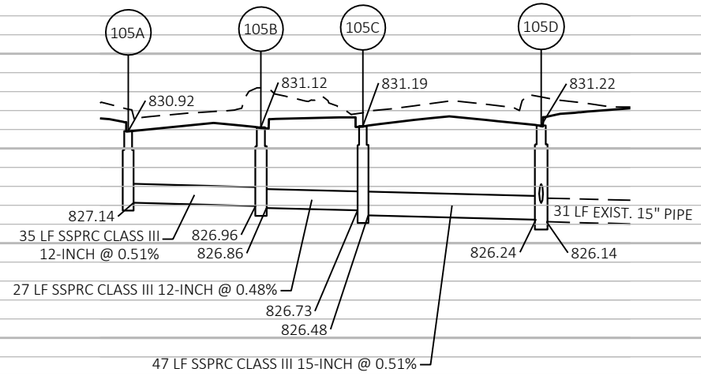

99A
99
99B
99C
892.52
890.65
891.77
892.29
888.52
888.23
887.72
888.00
887.90
888.28
29 LF SSPRC CLASS III
12-INCH @ 0.99%
18 LF SSPRC CLASS III 12-INCH @ 1.02%
28 LF SSPRC CLASS III
12-INCH @ 1.00%

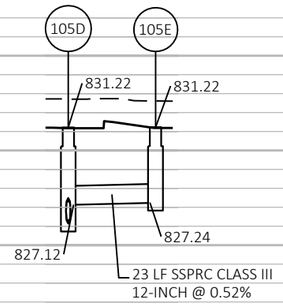

100A
100
100B
100C
877.98
878.62
876.64
877.16
873.97
873.67
872.59
872.87
872.77
873.15
28 LF SSPRC CLASS III
12-INCH @ 1.00%
17 LF SSPRC CLASS III
12-INCH @ 1.03%
29 LF SSPRC CLASS III 12-INCH @ 1.02%

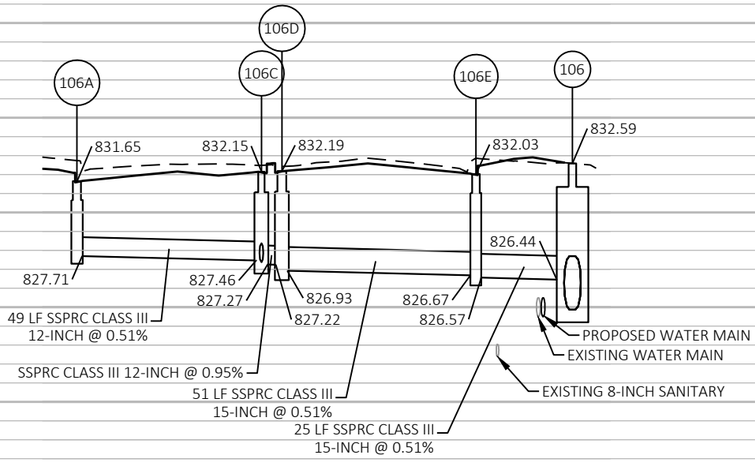

101A
101
101B
101C
860.95
861.47
859.97
860.36
856.85
856.56
856.16
856.44
29 LF SSPRC CLASS III
12-INCH @ 0.99%
18 LF SSPRC CLASS III 12-INCH @ 1.02%
28 LF SSPRC CLASS III 12-INCH @ 1.00%

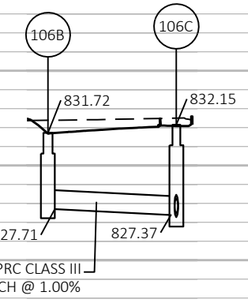

102
102A
102B
847.28
845.98
845.99
841.41
841.68
841.58
841.98
30 LF SSPRC CLASS III
12-INCH @ 0.99%
17 LF SSPRC CLASS III
12-INCH @ 1.00%

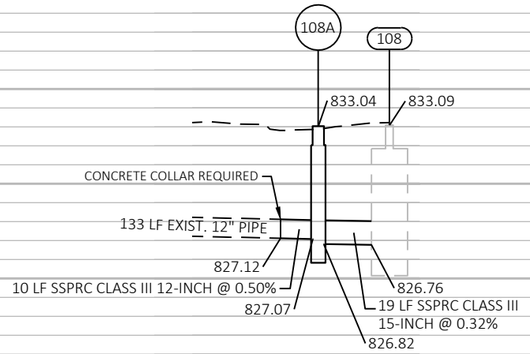

103A
103
103B
103C
103D
103E
838.77
838.76
838.39
838.08
838.03
EXISTING
WATER
MAIN
834.82
834.53
29 LF SSPRC CLASS III
12-INCH @ 0.99%
EXISTING 8-INCH
SANITARY
PROPOSED 12-INCH
SANITARY
831.30
11 LF SSPRC CLASS III 24-INCH @ 4.94%
830.74
829.74
7 LF SSPRC CLASS III 24-INCH @ 5.00%
827.47
829.39
828.89
826.97
28 LF SSPRC CLASS III 24-INCH @ 5.07%
32 LF SSPRC CLASS III 24-INCH @ 14.50%
822.30

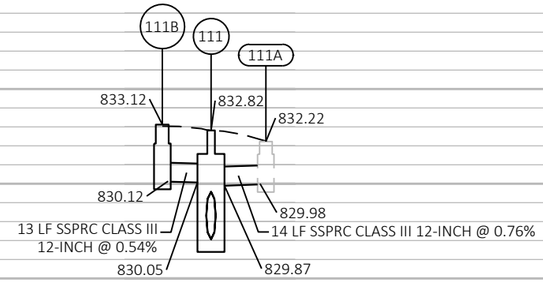








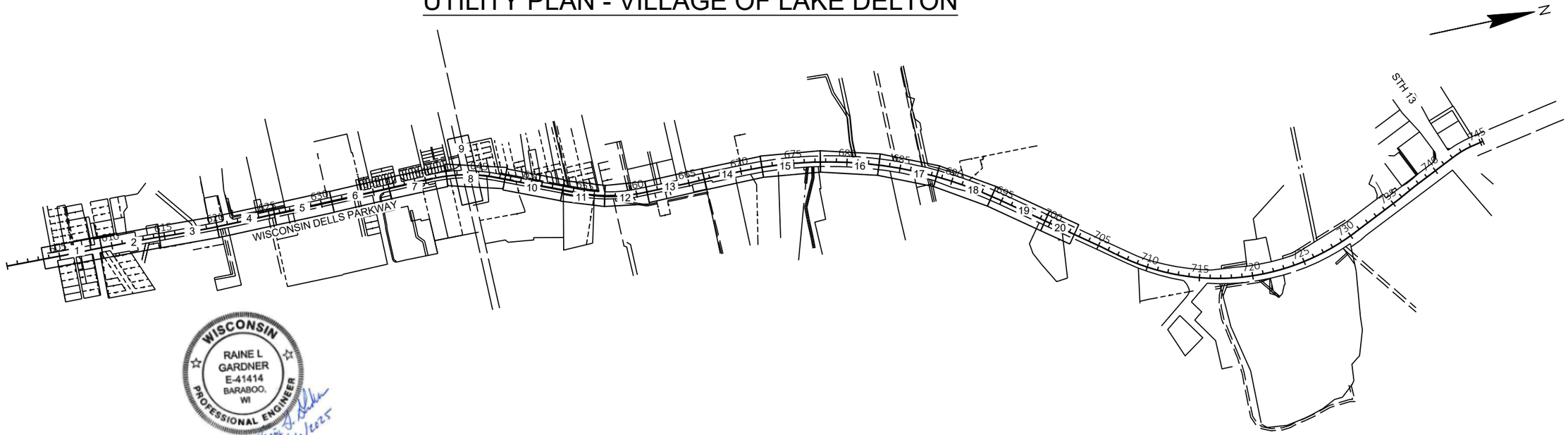




PROJECT NO: 6145-01-74	HWY: USH 12	COUNTY: SAUK	STORM SEWER	SHEET 249	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-74\022501_SS.DWG
LAYOUT NAME - 022514_ss
PLOT DATE : 6/18/2025 10:59 AM
PLOT BY : BARRETT, WILL
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 41

PROJECT OVERVIEW
UTILITY PLAN - VILLAGE OF LAKE DELTON

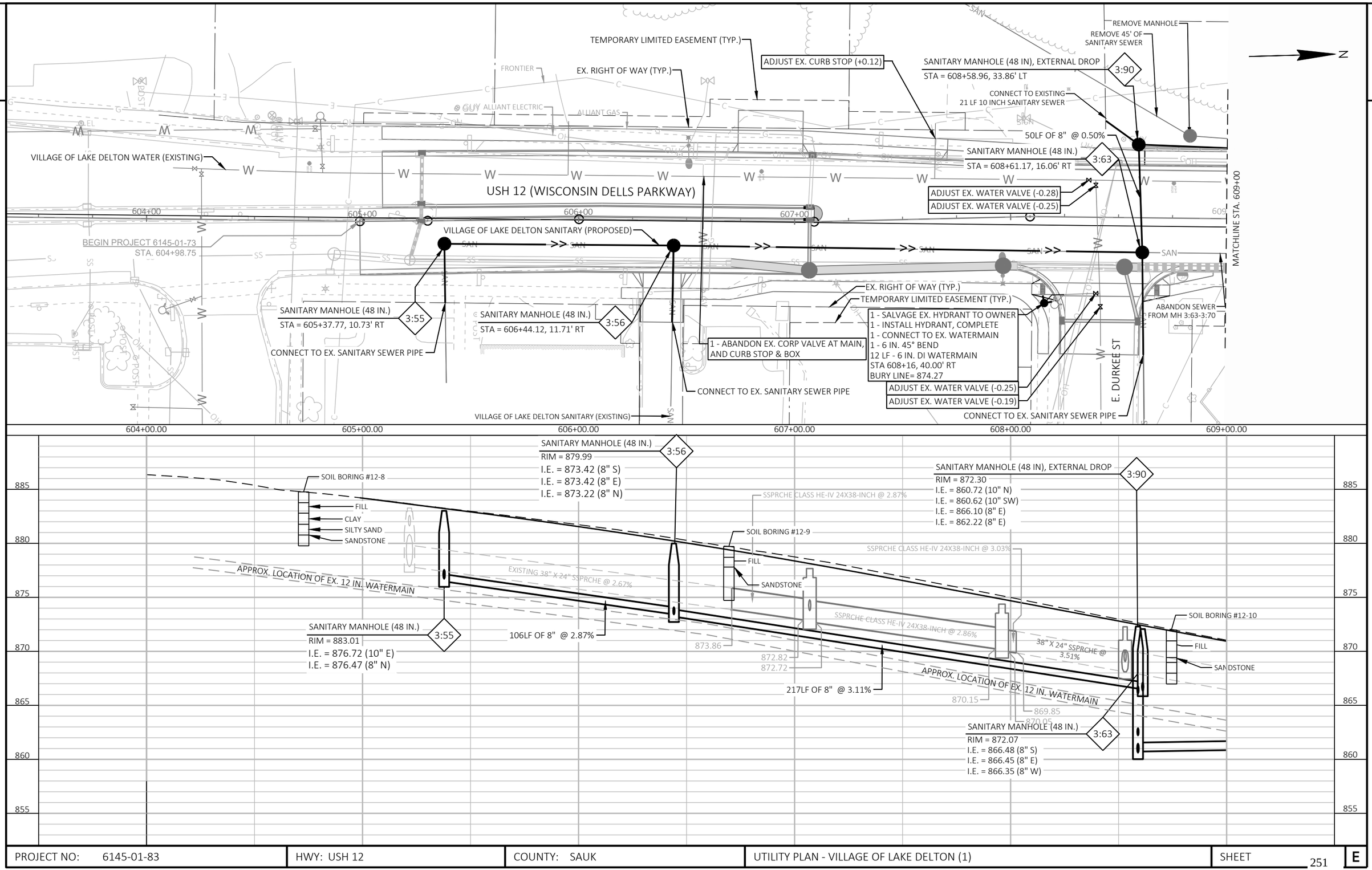


WISCONSIN
RAINE L GARDNER
E-41414
BARABOO, WI
PROFESSIONAL ENGINEER
6/16/2025

GENERAL NOTES:

1. ALL EXISTING UTILITIES WITHIN THIS PLAN ARE SHOWN FOR INFORMATIONAL PURPOSES ONLY AND NO RESPONSIBILITY IS ASSUMED BY THE ENGINEER OR VILLAGE FOR THEIR ACCURACY OR DEGREE OF COMPLETION. THE CONTRACTOR IS RESPONSIBLE FOR MAKING HIS OWN DETERMINATION AS TO THE TYPE, LOCATION, AND ELEVATION OF ALL UNDERGROUND UTILITIES AS MAY BE NECESSARY TO AVOID DAMAGING ANY SUCH UTILITIES. THE CONTRACTOR SHALL CONTACT DIGGER'S HOTLINE AT (800) 242-8511 PRIOR TO ANY CONSTRUCTION SO THAT THE SITE MAY BE MARKED. THE CONTRACTOR SHALL COORDINATE WITH GAS, ELECTRIC, TELEPHONE, AND CABLE TV UTILITIES REGARDING THE DEPTH AND LOCATION OF EXISTING OR PROPOSED UTILITIES. THIS WORK SHALL BE INCIDENTAL TO CONSTRUCTION.
2. VERIFY ALL DIMENSIONS AND ELEVATIONS IN THE FIELD. IF ANY ERRORS, DISCREPANCIES, OR OMISSIONS ARE APPARENT, BRING TO ATTENTION OF THE PROJECT ENGINEER PRIOR TO CONSTRUCTION OF ANYTHING AFFECTED SO THAT CLARIFICATION OR RE-DESIGN MAY OCCUR.
3. EXISTING KNOWN SURVEY MONUMENTS (SHOWN ON THE PLANS) ENCOUNTERED DURING CONSTRUCTION ARE TO BE PRESERVED AND LEFT UNDISTURBED. SHOULD THE CONTRACTOR ENCOUNTER UNKNOWN MONUMENTS, PROPERTY STAKES, ECT. (NOT SHOWN ON THE PLANS), THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER PRIOR TO ANY DISTURBANCE. FAILURE TO PRESERVE SUCH MONUMENTS SHALL NOT BE ALLOWED AND REPLACEMENT BY A REGISTERED LAND SURVEYOR SHALL BE AT THE CONTRACTOR'S EXPENSE.
4. ALL PROPOSED SANITARY SEWER AND WATER UTILITIES SHALL BE INSTALLED IN ACCORDANCE WITH THIS CONSTRUCTION PLAN, THE PROJECT SPECIFICATIONS, **MUNICIPALITY SUPPLEMENTAL PROJECT SPECIFICATIONS**, THE LATEST EDITION OF THE WISCONSIN STANDARD SPECIFICATIONS FOR SEWER AND WATER CONSTRUCTION, AND ANY CONDITIONS OF APPROVAL.
5. LENGTHS OF ALL UTILITIES ARE TO CENTER OF STRUCTURES AND MAY VARY SLIGHTLY FROM PLAN. LENGTHS SHALL BE VERIFIED IN THE FIELD DURING CONSTRUCTION. RECORD DRAWINGS OF ALL SANITARY SEWER, WATER MAIN, AND STORM SEWER SHALL BE PROVIDED TO THE MUNICIPALITY FOR FUTURE DOCUMENTATION. ALL UTILITIES (BEFORE COVERED BACK UP IN THE GROUND), SHALL BE SHOT WITH THE MUNICIPALITY'S GPS FOR RECORD KEEPING. THE VILLAGE INSPECTOR WILL PERFORM THE GPSING OF UTILITIES. CONTRACTOR SHALL NOTIFY THE VILLAGE INSPECTOR OF THE NEED TO SHOOT THE UTILITIES ONCE INSTALLATION OF EACH IS COMPLETED.
6. TRACER WIRE SHALL BE INSTALLED ALONG ALL SANITARY SEWER, SANITARY LATERALS, WATER MAIN, AND WATER SERVICES (INCIDENTAL TO THE SPECIFIC PIPING). TRACER WIRE SHALL BE SURFACED AT ALL SANITARY MANHOLES, HYDRANTS, WATER SERVICE VALVES/CURB STOPS, AND SANITARY LATERAL TRACER WIRE TERMINAL BOXES. IF THE CURB STOP OR TERMINAL BOX IS LOCATED WITHIN PROPOSED SIDEWALK OR A DRIVEWAY, THE CONTRACTOR SHALL INSTALL A STANDARD ADAPTOR (FURNISHED BY WAUPUN UTILITIES) OVER THE CURB STOP/TERMINAL BOX PRIOR TO DRIVEWAY RESTORATION SO THAT THE CONCRETE DOES NOT ADHERE TO THE CURB STOP OR TERMINAL BOX (INCIDENTAL TO CONSTRUCTION). IN LOCATIONS WHERE TRACER WIRE IS NOT INSTALLED ON WATER MAIN, CONTINUITY STRAPS SHALL BE INSTALLED.
7. THE NEW WATER MAIN SHALL BE INSTALLED AND TESTED WHILE THE EXISTING WATER MAIN IS STILL IN OPERATION TO KEEP WATER SERVICE TO RESIDENTS AND BUSINESSES FOR AS LONG AS POSSIBLE. THE CONTRACTOR SHALL COORDINATE WITH THE VILLAGE AND/OR FIELD ENGINEER REGARDING DEFLECTING WATER MAIN AND WATER SERVICE PIPING TO AVOID CONFLICTS WITH THE PROP. SANITARY AND STORM IMPROVEMENTS. THE CONTRACTOR SHALL FIELD VERIFY THE LOCATION AND ELEVATION OF WATER CONFECTION POINTS TO THE EXISTING WATER SYSTEM AND SHALL NOTIFY THE ENGINEER OF POSSIBLE HIGH POINTS IN THE WATER MAIN WITHOUT AIR RELEASE. A 7.00 FEET DEPTH OF COVER OVER ALL NEWLY INSTALLED WATER UTILITY PIPING IS DESIRED FOR THIS PROJECT UNLESS DIRECTED OTHERWISE BY THE VILLAGE. NO WATER PIPING SHALL BE INSTALLED WITH A DEPTH OF COVER LESS THAN 5.0 FEET (UNLESS NOTED ON THE PLANS SPECIFICALLY). ALL NEWLY INSTALLED WATER MAIN WITH COVER LESS THAN 7.0 FEET SHALL BE INSULATED ACCORDING TO THE SPECIFICATIONS AND INSULATION DETAIL. INSULATION SHALL ALSO BE INSTALLED AT ALL LOCATIONS WHERE STORM SEWER CROSSES THE WATER MAIN. MINIMUM VERTICAL SEPARATION DISTANCE WHERE WATER MAIN CROSSES OVER SEWER IS 6 INCHES. MINIMUM VERTICAL SEPARATION DISTANCE WHERE WATER MAIN CROSSES UNDER SEWERS IS 18 INCHES. UNLESS PROHIBITED BY FIELD CONDITIONS, THE MINIMUM HORIZONTAL SEPARATION BETWEEN WATER MAIN AND SEWER MAIN PIPING SHALL BE 8 FEET. IF WATER MAIN IS UNDER STORM SEWER PIPE WITH MINIMUM CLEARANCE, INSULATION SHALL BE INSTALLED BETWEEN THE UTILITIES. IF THE WATER MAIN IS WITHIN A MIN. OF 2' OF STORM SEWER, INSULATION SHALL BE INSTALLED BETWEEN THE UTILITIES.
8. ALL BENDS, FERNCO CONNECTORS, FITTINGS AND OTHER MATERIALS NOT SPECIFICALLY ITEMIZED ON THE BID BUT NECESSARY TO MAKE A WATERTIGHT CONNECTION TO THE EXISTING SANITARY OR WATER PIPING AS WELL AS TO PROVIDE A COMPLETE WORKING SYSTEM SHALL BE INCIDENTAL TO CONSTRUCTION. ALL SAWCUTTING NECESSARY FOR UTILITY INSTALLATION SHALL BE INCIDENTAL TO CONSTRUCTION. ALL PROPOSED SANITARY SEWER AND WATER PIPING CONNECTIONS INTO EXISTING PIPING OR STRUCTURES SHALL BE INCIDENTAL TO CONSTRUCTION. ALL EXISTING SANITARY SEWER AND WATER PIPE ABANDONMENT AS WELL AS THE REMOVAL OF EX. MANHOLES, HYDRANTS, VALVE BOXES, AND CURB STOPS THAT ARE NO LONGER IN USE SHALL BE INCIDENTAL TO THE LUMP SUM REMOVAL BID ITEMS. ALL VALVES AND FIRE HYDRANTS SHALL BE SALVAGED BACK TO THE VILLAGE OF LAKE DELTON. CONTRACTOR SHALL PROTECT SALVAGED MATERIALS AND DELIVER THEM TO THE VILLAGE SHOP LOCATED AT 121 SKYLINE DRIVE OR VILLAGE FIRE STATION ON MILLER DRIVE.
9. ALL SANITARY SEWER AND WATER MAIN INSTALLATIONS SHALL BE INSPECTED DURING AND AFTER INSTALLATION BY EITHER THE VILLAGE OR VILLAGE REPRESENTATIVE. NO WORK SHALL BE COVERED UNTIL INSPECTED.
10. THERE ARE SEVERAL LOCATIONS WHERE THE WATER MAIN WILL BE ADJUSTED OR OFFSET AND THESE LOCATIONS WILL BE REQUIRED TO BE COMPLETED DURING NIGHT TIME HOURS. ALL NIGHT TIME WORK SHALL BE COORDINATED WITH THE VILLAGE AT A MINIMUM 48 HRS IN ADVANCE. CONTRACTOR WILL BE RESPONSIBLE FOR COORDINATING WITH THE ADJACENT PROPERTIES THAT WILL BE OUT OF WATER SERVICE DURING THE WORK TIMEFRAMES.

PROJECT NO: 6145-01-83	HWY: USH 12	COUNTY: SAUK	UTILITY PLAN - VILLAGE OF LAKE DELTON	SHEET 250	E



PROJECT NO: 6145-01-83	HWY: USH 12	COUNTY: SAUK	UTILITY PLAN - VILLAGE OF LAKE DELTON (1)	SHEET 251	E

FILE NAME : G:\00\00083\00083278\CADD\CONSTRUCTION DOCUMENTS\022501_UTIL_SOUTH.DWG
LAYOUT NAME - 022501_ss

PLOT DATE : 8/21/2025 9:11 AM PLOT BY : SIERRA PARKER PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

N

1 - SALVAGE EX. HYDRANT TO OWNER
STA 612+09.50, 33.47' LT

TEMPORARY LIMITED EASEMENT (TYP.)

CONNECT TO EX. SANITARY SEWER PIPE

PROPOSED RIGHT OF WAY (TYP.)

1 - CONNECT TO EX. WATERMAIN
1 - 6-INCH 90° BEND
1 - 6-INCH 45° BEND
1 - INSTALL HYDRANT, COMPLETE
30 LF - 6 IN. DI WATERMAIN
STA 612+29.94, 35.18' LT
BURY LINE= 869.483

EX. RIGHT OF WAY (TYP.)

SANITARY MANHOLE (48 IN.)
STA = 610+26.56, 29.05' LT
3:72

VILLAGE OF LAKE DELTON WATER (EXISTING)

ADJUST EX. WATER VALVE (+0.13)

ADJUST EX. WATER VALVE (+0.19)

MATCHLINE STA. 609+00

MATCHLINE STA. 614+50

610+00 611+00 612+00 613+00 614+00

USH 12 (WISCONSIN DELLS PARKWAY)

SANITARY MANHOLE (48 IN.)
STA = 613+49.52, 16.50' RT
3:69A

EX. RIGHT OF WAY (TYP.)

VILLAGE OF LAKE DELTON SANITARY (PROPOSED)

SANITARY MANHOLE (48 IN.)
STA = 610+25.68, 16.40' RT
3:70

TEMPORARY LIMITED EASEMENT (TYP.)

609+00.00 610+00.00 611+00.00 612+00.00 613+00.00 614+00.00 614+50.00

SANITARY MANHOLE (48 IN.)
EXTERNAL DROP
RIM = 872.16
I.E. = 863.00 (8" S)
I.E. = 865.29 (8" N)
I.E. = 863.10 (8" N)
3:69A

SSPRC CLASS III 30-INCH @ 1.75%

SOIL BORING #12-13

SAND

SANDSTONE

CONCRETE COLLAR REQUIRED

SSPRC CLASS III 18-INCH @ 4.46%

3:72 SANITARY MANHOLE (48 IN.)
RIM = 867.02
I.E. = 861.38 (10" E)
I.E. = 861.28 (10" S)

SOIL BORING #12-11

SOIL BORING #12-12

FILL

SAND/SANDSTONE

SANDSTONE

SSPRC CLASS III 30-INCH @ 2.00%

38" X 24" SSPRCHE @ 3.52%

869.04

868.28

866.28

865.48

864.38

863.00

APPROX. LOCATION OF EX. 12 IN. WATERMAIN

FILL

154LF OF 8" PVC @ 4.13%

SANITARY MANHOLE (48 IN.)
RIM = 866.66
I.E. = 861.62 (10" W)
I.E. = 861.62 (8" N)
3:70

APPROX. LOCATION OF EX. 12 IN. WATERMAIN

324LF OF 8" PVC @ 0.43%

148 SF - RIGID INSULATION, 4-FT X 8-FT X 2-INCH
STA 611+48,17' RT

24" SSPRC @ 48.41%

880 875 870 865 860 855 850 845

PROJECT NO: 6145-01-83	HWY: USH 12	COUNTY: SAUK	UTILITY PLAN - VILLAGE OF LAKE DELTON (2)	SHEET 252	E

FILE NAME : G:\00\00083\00083278\CADD\CONSTRUCTION DOCUMENTS\022501_UTIL_SOUTH.DWG
LAYOUT NAME - 022502_ss
PLOT DATE : 2/11/2026 12:16 PM PLOT BY : OWEN MATTILA PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 41

PROPOSED RIGHT OF WAY (TYP.)
TEMPORARY LIMITED EASEMENT (TYP.)
VILLAGE OF LAKE DELTON WATER (EXISTING)

1 - SALVAGE EX. CURB STOP & BOX TO OWNER
1 - 1 IN. CURB STOP & BOX
8 LF - 1 IN. SERVICE LINE
STA = 614+80.05, 30.46 LT
FG = 877.70

INSULATION BETWEEN EXISTING WATERMAIN AND PROPOSED SANITARY AND STORM SEWER

ADJUST EX. WATER VALVE (-0.30)

WATERMAIN OFFSET REQUIRED BETWEEN STORM
4 - 8 IN. 45° BEND
1 - CONNECT TO EXISTING WATERMAIN
34 LF - 8 IN. DI WATERMAIN

MATCHLINE STA. 614+50

615+00
616+00
617+00
618+00
619+00
620

SANITARY MANHOLE (48 IN.)
STA = 615+03.72, 16.50' RT
3:68A

3:84
MANHOLE - EXISTING
STA = 615+10.96, 34.41' RT

ADJUST MANHOLE CASTING (-0.66)
CONNECT TO EX. SANITARY SEWER MANHOLE

1 - 6 IN. VALVE & BOX
VALVE BOX EL = 877.55

1 - SALVAGE EX. HYDRANT TO OWNER
1 - SALVAGE EX. VALVE & BOX TO OWNER
1 - ABANDON EX. HYDRANT LEAD AT TEE

1 - 8X6 IN. TEE
12 LF - 6 IN. DI WATERMAIN
7 LF - 8 IN. DI WATERMAIN
1 - 8 IN. PLUG
1 - INSTALL HYDRANT, COMPLETE
STA 614+80, 26.00' RT
BURY LINE = 877.487

PROPOSED RIGHT OF WAY (TYP.)
TEMPORARY LIMITED EASEMENT (TYP.)

3:68
SANITARY MANHOLE (48 IN.)
STA = 616+18.95, 16.50' RT

CONNECT TO EX. SANITARY SEWER PIPE

1 - CONNECT TO EX. WATERMAIN
1 - 12X6 IN. REDUCER
1 - 6 IN. 45° BEND
1 - 6 IN. 22.5° BEND
20 LF - 6 IN. DI WATERMAIN
1 - INSTALL HYDRANT COMPLETE
STA 617+67.74, 73.08' LT
BURY LINE= 890.23

1 - SALVAGE EX. HYDRANT TO OWNER
1 - SALVAGE EX. VALVE & BOX TO OWNER
1 - ABANDON EX. HYDRANT LEAD AT TEE & PLUG

USH 12 (WISCONSIN DELLS PARKWAY)
VILLAGE OF LAKE DELTON SANITARY (PROPOSED)

ADJUST EX. WATER VALVE (-0.44)

1 - ABANDON EX. CORP VALVE AT MAIN, AND CURB STOP & BOX
ADJ. CURB BOX (+1.26)
ADJ. CURB BOX (+1.16)

ADJUST EX. WATER VALVE (-0.37)

ABANDON EX. SANITARY SEWER
STA. 613+49.52 TO STA. 618+18.95

INSULATION BETWEEN PROPOSED SANITARY AND EXISTING WATERMAIN

1 - 6 IN. VALVE & BOX
VALVE BOX EL = 889.14

SHADY LN

CONNECT TO EX. SANITARY SEWER PIPE (TYP. OF 6)

3:66
SANITARY MANHOLE (48 IN.)
STA = 618+46.60, 39.18' LT

SANITARY MANHOLE (48 IN.)
STA = 619+93.31, 16.50' RT
4:52

56LF OF 8" @ 0.83%

INSULATION BETWEEN PROPOSED SANITARY AND EXISTING WATERMAIN

CONNECT TO EX. SANITARY SEWER PIPE

3:67
SANITARY MANHOLE (48 IN.)
STA = 618+48.45, 16.50' RT

CONNECT TO EX. SANITARY SEWER PIPE

MATCHLINE STA. 620+00

N

614+50.00
615+00.00
616+00.00
617+00.00
618+00.00
619+00.00
620+00.00

895
890
885
880
875
870
865
860

SANITARY MANHOLE (48 IN.)
RIM = 882.30
I.E. = 876.54 (8" S)
I.E. = 876.64 (8" N)
I.E. = 877.46 (4" E)
3:68

3:84
MANHOLE - EXISTING
RIM = 878.74
I.E. = 872.64 (8" NE)
I.E. = 872.64 (8" W)

19LF OF 8" PVC @ 0.99%

116LF OF 8" PVC @ 4.23%

APPROX. LOCATION OF EX. 12 IN. WATERMAIN

SSPRC CLASS III 30-INCH @ 1.75%

3:68A
SANITARY MANHOLE (48 IN.)
RIM = 877.78
I.E. = 871.64 (8" N)
I.E. = 871.64 (8" S)
I.E. = 872.45 (8" E)

SOIL BORING #12-14
FILL
SANDSTONE

875.16
875.26

230LF OF 8" PVC @ 2.81%

APPROX. LOCATION OF EX. 12 IN. WATERMAIN

SSPRC CLASS III 36-INCH @ 0.50%

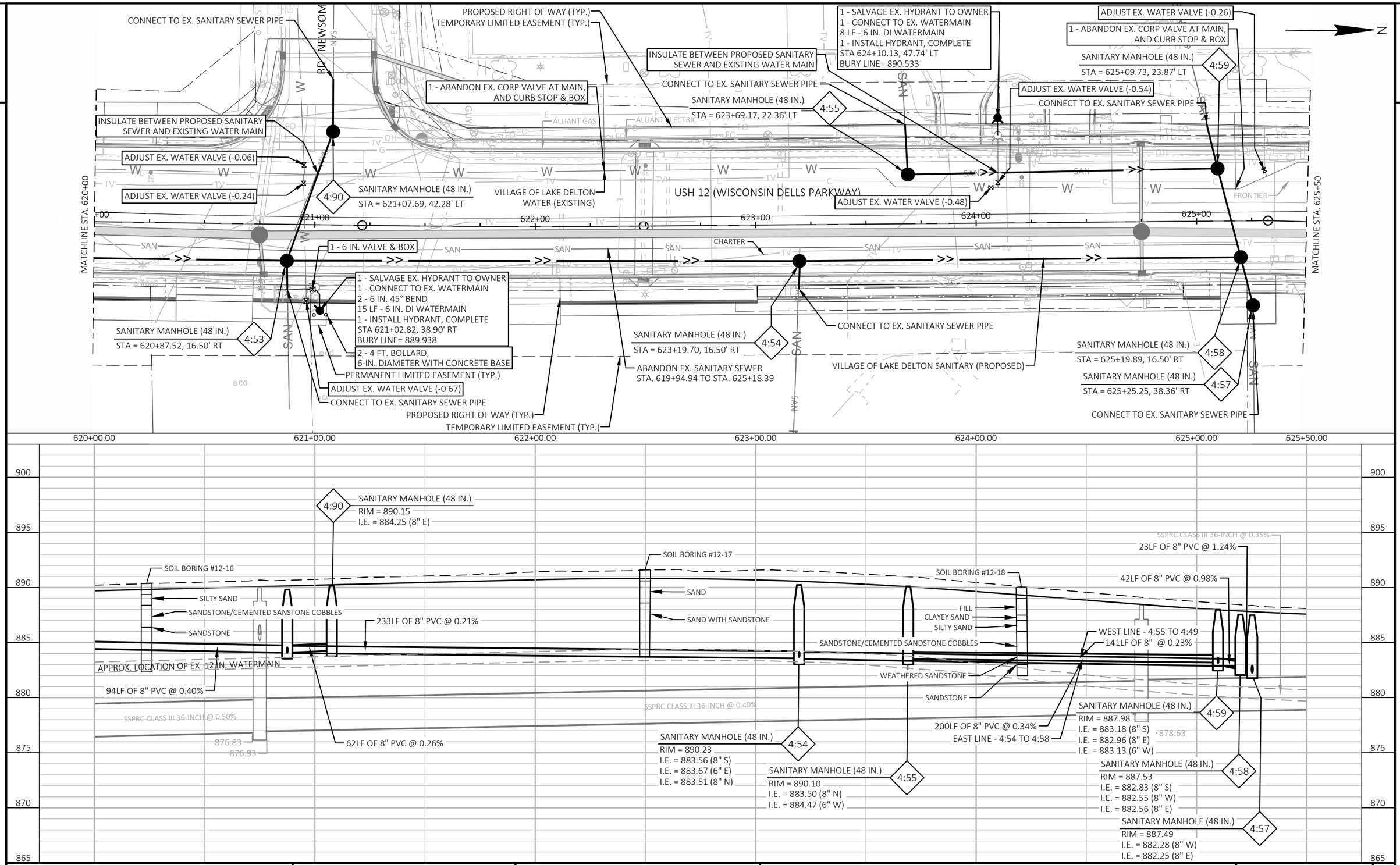
SANITARY MANHOLE (48 IN.)
RIM = 889.09
I.E. = 883.63 (8" E)
I.E. = 883.90 (8" SW)
I.E. = 884.73 (4" W)
I.E. = 884.25 (6" NW)
I.E. = 885.25 (4" W)
I.E. = 884.25 (6" NW)
I.E. = 883.92 (4" N)
3:66

3:67
SANITARY MANHOLE (48 IN.)
RIM = 888.46
I.E. = 883.09 (8" S)
I.E. = 883.65 (6" E)
I.E. = 883.17 (8" W)

SANITARY MANHOLE (48 IN.)
RIM = 889.34
I.E. = 884.44 (6" E)
I.E. = 884.45 (8" N)
I.E. = 884.45 (6" W)
4:52

PROJECT NO: 6145-01-83	HWY: USH 12	COUNTY: SAUK	UTILITY PLAN - VILLAGE OF LAKE DELTON (3)	SHEET 253	E

FILE NAME : G:\00\00083\00083278\CADD\CONSTRUCTION DOCUMENTS\022501_UTIL_SOUTH.DWG
LAYOUT NAME - 022503_ss
PLOT DATE : 8/21/2025 9:12 AM
PLOT BY : SIERRA PARKER
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 41



PROJECT NO: 6145-01-83	HWY: USH 12	COUNTY: SAUK	UTILITY PLAN - VILLAGE OF LAKE DELTON (4)	SHEET 254	E

FILE NAME : G:\00\00083\00083278\CADD\CONSTRUCTION DOCUMENTS\022501_UTIL_SOUTH.DWG
LAYOUT NAME - 022504_ss
PLOT DATE : 8/21/2025 9:12 AM
PLOT BY : SIERRA PARKER
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 41

LEGEND

- XX — PROPOSED STORM STRUCTURE
- XXX — ADJUSTING DRAINAGE COVER
- ASN — ADJUSTING SANITARY MANHOLE

TEMPORARY LIMITED EASEMENT (TYP.)

PROPOSED RIGHT OF WAY (TYP.)

VILLAGE OF LAKE DELTON WATER (EXISTING)

SANITARY MANHOLE (48 IN.)
STA = 630+68.75, 28.05' LT
4:64

CONNECT TO EX. SANITARY SEWER PIPE
PERMANENT LIMITED EASEMENT (TYP.)

PROTECT EX. CONCRETE DECORATIVE FENCE
1 - SALVAGE EX. HYDRANT TO OWNER
1 - CONNECT TO EX. WATERMAIN
1 - INSTALL HYDRANT, COMPLETE
STA 630+56.68, 43.98' LT
BURY LINE= 897.730

ADJUST EX. WATER VALVE (-0.25)

ADJUST EX. WATER VALVE (-0.27)

ADJUST EX. WATER VALVE (-0.16)

MATCHLINE STA. 625+50

MATCHLINE STA. 631+00

626+00 627+00 628+00 629+00 630+00 631

USH 12 (WISCONSIN DELLS PARKWAY)

PERMANENT LIMITED EASEMENT (TYP.)

1 - SALVAGE EX. HYDRANT TO OWNER
1 - CONNECT TO EX. WATERMAIN
1 - 6 IN. 90° BEND
12 LF - 6 IN. DI WATERMAIN
1 - INSTALL HYDRANT, COMPLETE
STA 627+30.99, 33.00' RT
BURY LINE= 888.721

1 - 6 IN. VALVE & BOX

ADJUST EX. CURB STOP (-0.88)

PERMANENT LIMITED EASEMENT (TYP.)

PROPOSED RIGHT OF WAY (TYP.)

TEMPORARY LIMITED EASEMENT (TYP.)

CONNECT TO EX. SANITARY SEWER MANHOLE (TYP. OF 2)

SANITARY MANHOLE (48 IN.)
STA = 630+48.86, 29.80' RT
4:63

625+50.00 626+00.00 627+00.00 628+00.00 629+00.00 630+00.00 631+00.00

905 900 895 890 885 880 875 870

201LF OF 8" PVC @ 3.43%

61LF OF 8" PVC @ 0.82%

SOIL BORING #12-21
FILL
SAND WITH SILT
SAND

SOIL BORING #12-20
SILTY SAND
SAND

SOIL BORING #12-19
FILL
SAND WITH SILT
WEATHERED SANDSTONE

SSPRC CLASS III 30-INCH @ 0.80%

SSPRC CLASS III 30-INCH @ 1.00%

SSPRC CLASS III 30-INCH @ 2.50%

APPROX. LOCATION OF EX. 12 IN. WATERMAIN

888.82
889.32
884.04
884.87
882.61
882.71
881.35
879.07

SSPRC CLASS III 36-INCH @ 0.35%

SANITARY MANHOLE (48 IN.)
RIM = 897.55
I.E. = 892.99 (8" E)
I.E. = 893.13 (8" N)
I.E. = 893.26 (8" W)
4:64

PROJECT NO: 6145-01-83	HWY: USH 12	COUNTY: SAUK	UTILITY PLAN - VILLAGE OF LAKE DELTON (5)	SHEET 255	E

FILE NAME : G:\00\00083\00083278\CADD\CONSTRUCTION DOCUMENTS\022501_UTIL_SOUTH.DWG
LAYOUT NAME - 022505_ss
PLOT DATE : 8/21/2025 9:12 AM
PLOT BY : SIERRA PARKER
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 41

2

SANITARY MANHOLE (48 IN.)
STA = 632+68.44, 40.83' LT
4:82
CONNECT TO EX. SANITARY SEWER PIPE
14LF OF 8" PVC @ 0.84%
SANITARY MANHOLE (48 IN.)
STA = 632+69.27, 26.56' LT
4:66
VILLAGE OF LAKE DELTON SANITARY (PROPOSED)
VILLAGE OF LAKE DELTON SANITARY (EXISTING)
CONNECT TO EX. SANITARY SEWER PIPE
PROPOSED RIGHT OF WAY (TYP.)
TEMPORARY LIMITED EASEMENT (TYP.)
4:81A
SANITARY MANHOLE (48 IN.)
STA = 633+78.38, 39.81' LT
N
MATCHLINE STA. 631+00
MATCHLINE STA. 636+50
FRONTIER
CHARTER
ADJUST EX. WATER VALVE (+0.23)
USH 12 (WISCONSIN DELLS PARKWAY)
VILLAGE OF LAKE DELTON WATER (EXISTING)
SALVAGE EX. VALVE & BOX
1 - 8 IN. VALVE & BOX
VALVE BOX EL = 914.36
1 - CONNECT TO EXISTING WATERMAIN
ADJUST EX. WATER VALVE (+0.29)
ADJUST EX. WATER VALVE (+0.34)
ALLIANT ELECTRIC
ALLIANT GAS
1 - SALVAGE EX. HYDRANT TO OWNER
1 - CONNECT TO EX. WATERMAIN
1 - 6 IN. 45° BEND
1 - 6 IN. 22.5° BEND
20 LF - 6 IN. DI WATERMAIN
1 - INSTALL HYDRANT, COMPLETE
STA 634+82.51, 46.25' RT
BURY LINE = 913.313
E. HIAWATHA DR
PROPOSED RIGHT OF WAY (TYP.)
TEMPORARY LIMITED EASEMENT (TYP.)
PROPOSED RIGHT OF WAY(TYP.)
ADJUST EX. WATER VALVE (+0.01)
CONTRACTOR TO COMPLETE EXPLORATORY EXCAVATION TO DETERMINE EXISTING WATERMAIN ELEVATION. INSULATE BETWEEN EXSITING WATERMAIN AND STORM SEWER

631+00.00 632+00.00 633+00.00 634+00.00 635+00.00 636+00.00 636+50.00

920 915 910 905 900 895 890 885

SANITARY MANHOLE (48 IN.)
RIM = 906.37
I.E. = 900.25 (8" E)
I.E. = 900.23 (8" W)
I.E. = 900.71 (8" N)
4:82
109LF OF 8" PVC @ 3.67%
SOIL BORING #12-22
FILL
SAND
201LF OF 8" PVC @ 3.43%
APPROX. LOCATION OF EX. 12 IN. WATERMAIN
900.89
SOIL BORING #12-23
FILL
SAND
SSPRC CLASS III 24-INCH @ 3.50%
908.10
908.77
SSPRC CLASS III 24-INCH @ 1.00%
909.80
910.91
SSPRC CLASS III 24-INCH @ 0.50%
4:81A
SANITARY MANHOLE (48 IN.)
RIM = 910.98
I.E. = 904.88 (8" W)
I.E. = 904.72 (8" S)
4:66
SANITARY MANHOLE (48 IN.)
RIM = 906.07
I.E. = 900.01 (8" S)
I.E. = 900.13 (8" W)
SANITARY MANHOLE (48 IN.)
RIM = 906.37
I.E. = 900.25 (8" E)
I.E. = 900.23 (8" W)
I.E. = 900.71 (8" N)
4:82

PROJECT NO: 6145-01-83	HWY: USH 12	COUNTY: SAUK	UTILITY PLAN - VILLAGE OF LAKE DELTON (6)	SHEET 256	E

FILE NAME : G:\00\00083\00083278\CADD\CONSTRUCTION DOCUMENTS\022501_UTIL_SOUTH.DWG
LAYOUT NAME - 022506_ss
PLOT DATE : 2/11/2026 12:17 PM
PLOT BY : OWEN MATTILA
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 41

2

1 - 6 IN. VALVE & BOX
VALVE BOX EL = 919.53

PERMANENT LIMITED EASEMENT (TYP.)

1 - 8X6 IN. TEE
1 - CONNECT TO EX. WATERMAIN
10 LF - 6 IN. DI WATERMAIN
1 - INSTALL HYDRANT, COMPLETE
STA 637+27.03, 71.26' LT
BURY LINE = 919.706

RED BIRD AVE

PROPOSED RIGHT OF WAY (TYP.)
TEMPORARY LIMITED EASEMENT (TYP.)

1 - SALVAGE EX. HYDRANT TO OWNER
1 - SALVAGE EX. VALVE & BOX TO OWNER
1 - ABANDON EX. HYDRANT LEAD AT TEE & PLUG

1 - 12X6 IN. TAPPING SLEEVE, LIVE TAP
25 LF - 6 IN. DI WATERMAIN
1 - INSTALL HYDRANT, COMPLETE
STA 639+72.45, 46.50' LT
BURY LINE = 920.615

DEKORRA LANE

PERMANENT LIMITED EASEMENT (TYP.)

1 - 6 IN. VALVE & BOX
VALVE BOX EL = 919.36

1 - SALVAGE EX. HYDRANT TO OWNER
1 - SALVAGE EX. VALVE & BOX TO OWNER
1 - ABANDON EX. HYDRANT LEAD AT TEE & PLUG

CHARTER
ALLIANT ELECTRIC
FRONTIER
ALLIANT GAS

ADJUST EX. WATER VALVE (+0.27)
ADJUST EX. WATER VALVE (+0.45)
ADJUST EX. WATER VALVE (-0.02)
ADJUST EX. WATER VALVE (+0.26)
ADJUST EX. WATER VALVE (-0.31)

MATCHLINE STA. 636+50
MATCHLINE STA. 642+00

637+00 638+00 639+00 640+00 641+00 642

USH 12 (WISCONSIN DELLS PARKWAY)

BORE

PROPOSED RIGHT OF WAY (TYP.)
PERMANENT LIMITED EASEMENT (TYP.)
TEMPORARY LIMITED EASEMENT (TYP.)

N

636+50.00 637+00.00 638+00.00 639+00.00 640+00.00 641+00.00 642+00.00

930 925 920 915 910 905 900 895

SOIL BORING #12-24
FILL
SAND
SSPRC CLASS III 24-INCH @ 0.50%
911.59
912.40

SOIL BORING #12-25
FILL
SAND WITH SILT
SAND
SSPRC CLASS III 24-INCH @ 0.50%
913.10
913.33

SOIL BORING #12-26
FILL
SAND
SSPRC CLASS III 24-INCH @ 0.50%
913.88

APPROX. LOCATION OF EX. 12 IN. WATERMAIN

PROJECT NO: 6145-01-83	HWY: USH 12	COUNTY: SAUK	UTILITY PLAN - VILLAGE OF LAKE DELTON (7)	SHEET 257	E

FILE NAME : G:\00\00083\00083278\CADD\CONSTRUCTION DOCUMENTS\022501_UTIL_SOUTH.DWG
LAYOUT NAME - 022507_ss

PLOT DATE : 8/21/2025 9:12 AM PLOT BY : SIERRA PARKER PLOT NAME : PLOT SCALE : 1 IN:40 FT

MATCHLINE, SHEET 9

PROPOSED RIGHT OF WAY (TYP.)
TEMPORARY LIMITED EASEMENT (TYP.)
WINNEBAGO LN
W. LAKE AVE
102+00
PROPOSED RIGHT OF WAY (TYP.)
TEMPORARY LIMITED EASEMENT (TYP.)
5:16
SANITARY MANHOLE (48 IN.)
STA = 643+87.66, 27.70' LT
ADJUST EX. WATER VALVE (-0.23)
ADJUST EX. WATER VALVE (-0.49)
ADJUST EX. WATER VALVE (-0.37)
ADJUST EX. WATER VALVE (-0.38)
ADJUST EX. WATER VALVE (-0.36)
MATCHLINE STA. 642+00
642+00
643+00
644+00
645+00
646+00
647+00
647+50
USH 12 (WISCONSIN DELLS PARKWAY)
SANITARY MANHOLE (48 IN.)
STA = 645+88.15, 24.20' LT
5:17
CONNECT TO EX. SANITARY SEWER PIPE
TEMPORARY LIMITED EASEMENT (TYP.)
PROPOSED RIGHT OF WAY (TYP.)
ADJUST EX. WATER VALVE (-0.15)
ADJUST EX. WATER VALVE (-0.21)
1 - ABANDON EX. CORP VALVE AT MAIN, AND CURB STOP & BOX
ADJUST EX. WATER VALVE (-0.18)
PROPOSED RIGHT OF WAY (TYP.)
TEMPORARY LIMITED EASEMENT (TYP.)
1 - SALVAGE EX. HYDRANT TO OWNER
1 - CONNECT TO EX. WATERMAIN
10 LF - 6 IN. DI WATERMAIN
1 - INSTALL HYDRANT, COMPLETE
STA 647+37.99, 26.00' RT
BURY LINE = 910.941
ADJUST EX. WATER VALVE (+0.04)
ADJUST EX. WATER VALVE (+0.06)
MATCHLINE STA. 647+50
E. LAKE AVE
103+00
ALLIANT GAS
ALLIANT ELECTRIC
CHARTER

930
925
920
915
910
905
900
895

5:16
SANITARY MANHOLE (48 IN.)
RIM = 917.07
I.E. = 908.32 (8" W)
I.E. = 908.25 (8" N)
SOIL BORING #12-27
FILL
SAND WITH SILT
SAND
APPROX. LOCATION OF EX. 12 IN. WATERMAIN
SOIL BORING #12-28
FILL
SANITARY MANHOLE (48 IN.)
RIM = 917.07
I.E. = 908.32 (8" W)
I.E. = 908.25 (8" N)
5:16
204LF OF 8" PVC @ 0.95%
SANITARY MANHOLE (48 IN.)
RIM = 914.49
I.E. = 906.32 (8" S)
I.E. = 907.07 (6" SW)
I.E. = 906.30 (8" NE)
5:17
SOIL BORING #12-29
FILL
906.03
241LF OF 8" PVC @ 2.80%
SSPRC CLASS III 24-INCH @ 4.43%

PROJECT NO: 6145-01-83	HWY: USH 12	COUNTY: SAUK	UTILITY PLAN - VILLAGE OF LAKE DELTON (8)	SHEET 258	E

2

CONNECT TO EX. SANITARY SEWER PIPE (TYP. OF 2)

EX. RIGHT OF WAY (TYP.)

PERMANENT LIMITED EASEMENT (TYP.)

PROPOSED RIGHT OF WAY (TYP.)

TEMPORARY LIMITED EASEMENT (TYP.)

5:21 SANITARY MANHOLE (48 IN.)
STA = 643+46.81, 187.57' LT

5:16 SANITARY MANHOLE (48 IN.)
STA = 643+87.66, 27.70' LT

BP: 100+00.00

EP: 104+25.00

ADJUST EX. WATER VALVE (-0.37)

ADJUST CASTING VIA MR. MANHOLE

ADJUST EX. WATER VALVE (-0.23)

ADJUST EX. WATER VALVE (-0.49)

W. LAKE AVE

E. LAKE AVE

ALLIANT ELECTRIC

EX. RIGHT OF WAY (TYP.)

PROPOSED RIGHT OF WAY (TYP.)

TEMPORARY LIMITED EASEMENT (TYP.)

1 - SALVAGE EX. HYDRANT TO OWNER
1 - CONNECT TO EX. WATERMAIN
1 - INSTALL HYDRANT, COMPLETE
STA 643+83.38, 124.22' LT
BURY LINE = 918.844

N

2

100+00.00 101+00.00 102+00.00 103+00.00 104+00.00 104+25.00

940 935 930 925 920 915 910 905

5:21 SANITARY MANHOLE (48 IN.)
RIM = 919.74
I.E. = 915.48 (8" E)
I.E. = 915.57 (8" W)
I.E. = 915.66 (6" N)

SANITARY MANHOLE (48 IN.) 5:16
RIM = 917.07
I.E. = 908.32 (8" W)
I.E. = 908.25 (8" N)

166LF OF 8" PVC @ 4.32%

PROJECT NO: 6145-01-83	HWY: USH 12	COUNTY: SAUK	UTILITY PLAN - VILLAGE OF LAKE DELTON (9)	SHEET 259	E

FILE NAME : G:\00\00083\00083278\CADD\CONSTRUCTION DOCUMENTS\022501_UTIL_SOUTH.DWG
LAYOUT NAME - 022509_ss

PLOT DATE : 8/21/2025 9:13 AM PLOT BY : SIERRA PARKER PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

LEGEND

- XX — PROPOSED STORM STRUCTURE
- XXX — ADJUSTING DRAINAGE COVER
- ASN — ADJUSTING SANITARY MANHOLE

CONNECT TO EX. SANITARY SEWER PIPE

CONNECT TO EX. SANITARY SEWER PIPE

5:18 SANITARY MANHOLE (48 IN.)
STA = 648+28.08, 23.45' LT

ABANDON EX. SANITARY SEWER (STA 648+28 TO STA 649+95)

REMOVE EX. WATERMAIN AT TEE & PLUG

2 - CONNECT TO EX. WATERMAIN
54 LF - 8 IN. DI WATERMAIN
1 - 8 IN. 22.5° BEND
1 - 8 IN. VALVE & BOX
VALVE BOX EL = 900.37

5:78 SANITARY MANHOLE (48 IN.)
STA = 650+37.02, 41.96' LT

PROPOSED RIGHT OF WAY (TYP.)
TEMPORARY LIMITED EASEMENT (TYP.)

CONTRACTOR TO COMPLETE EXPLORATORY EXCAVATION TO DETERMINE EXISTING WATERMAIN ELEVATION INSULATE BETWEEN WATERMAIN AND SANITARY SEWER

CONNECT TO EX. SANITARY SEWER PIPE (TYP. OF 2)

MATCHLINE STA. 647+50

MATCHLINE STA. 653+00

ADJUST EX. WATER VALVE (-0.11)

ADJUST EX. WATER VALVE (-0.13)

USH 12 (WISCONSIN DELLS PARKWAY)

INSULATE BETWEEN WATER AND STORM SEWER

64LF OF 8" PVC @ 5.11%

75LF OF 8" PVC @ 0.93%

ADJUST EX. WATER VALVE (-0.20)

5:18A SANITARY MANHOLE (48 IN.)
STA = 648+20.74, 39.77' RT

CONNECT TO EX. SANITARY SEWER PIPE

CONNECT TO EX. SANITARY SEWER PIPE (TYP. OF 2)

1 - SALVAGE EX. HYDRANT TO OWNER
1 - SALVAGE EX. VALVE & BOX TO OWNER
1 - ABANDON EX. HYDRANT LEAD AT TEE & PLUG

5:9 SANITARY MANHOLE (48 IN.)
STA = 649+95.47, 29.93' LT

5:59 SANITARY MANHOLE (48 IN.)
STA = 650+39.44, 33.24' RT

1 - SALVAGE EX. VALVE & BOX TO OWNER

PROPOSED RIGHT OF WAY (TYP.)
TEMPORARY LIMITED EASEMENT (TYP.)

1 - CONNECT TO EX. WATERMAIN
1 - 8X6 IN. TEE
1 - 6 IN. 45° BEND
26 LF - 6 IN. DI WATERMAIN
1 - INSTALL HYDRANT, COMPLETE
STA 652+86.51, 36.37' RT
BURY LINE = 886.616

PERMANENT LIMITED EASEMENT (TYP.)

647+50.00 | 648+00.00 | 649+00.00 | 650+00.00 | 651+00.00 | 652+00.00 | 653+00.00

910 / 905 / 900 / 895 / 890 / 885 / 880 / 875

SOIL BORING #12-30

FILL

SSPRC CLASS III 24-INCH @ 4.43%

SANITARY MANHOLE (48 IN.) 5:18A
RIM = 907.81
I.E. = 901.16 (8" SE)
I.E. = 901.16 (8" NW)

APPROX. LOCATION OF EX. 12 IN. WATERMAIN

168LF OF 8" PVC @ 3.64%

SANITARY MANHOLE (48 IN.) 5:18
RIM = 907.92
I.E. = 899.56 (8" SW)
I.E. = 899.16 (6" W)
I.E. = 897.91 (8" SE)
I.E. = 897.81 (8" N)

SOIL BORING #12-31

43LF OF 8" PVC @ 5.02%

FILL

SAND

892.62

SSPRC CLASS III 24-INCH @ 4.00%

SANITARY MANHOLE (48 IN.) 5:9
RIM = 899.42
I.E. = 891.71 (8" S)
I.E. = 891.52 (8" N)

SANITARY MANHOLE (48 IN.) 5:78
RIM = 897.82
I.E. = 889.37 (8" E)
I.E. = 889.35 (8" S)
I.E. = 889.30 (8" NE)
I.E. = 890.81 (4" W)

SANITARY MANHOLE (48 IN.) EXTERNAL DROP 5:59
RIM = 898.50
I.E. = 890.07 (8" W)
I.E. = 890.31 (6" SE)
I.E. = 892.37 (4" NE)
I.E. = 890.17 (4" NE)

887.11

883.94

APPROX. LOCATION OF EX. 12 IN. WATERMAIN

SSPRC CLASS III 24-INCH @ 3.30%

SOIL BORING #12-32

FILL

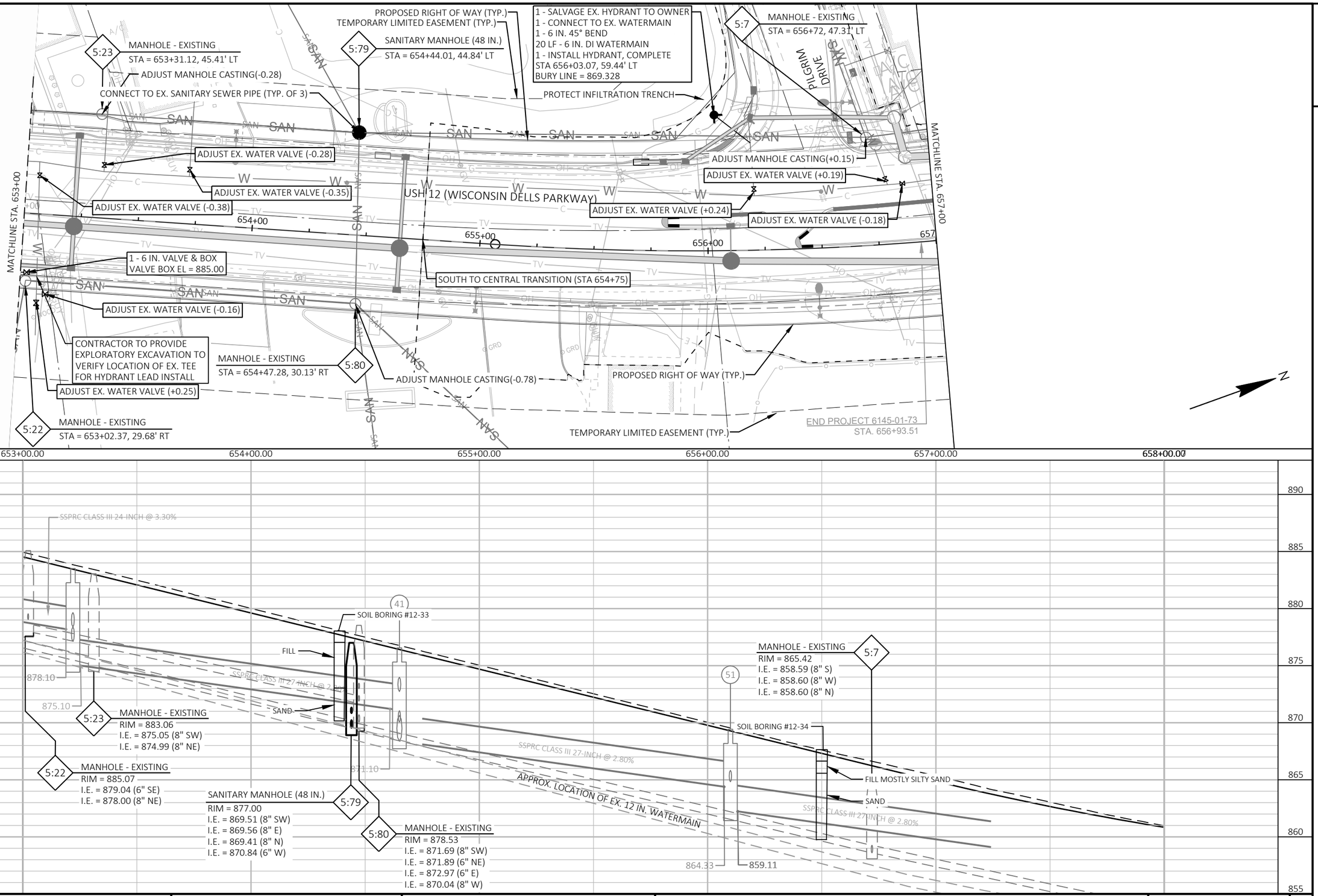
SAND

PROJECT NO: 6145-01-83	HWY: USH 12	COUNTY: SAUK	UTILITY PLAN - VILLAGE OF LAKE DELTON (10)	SHEET 260	E

FILE NAME : G:\00\00083\00083278\CADD\CONSTRUCTION DOCUMENTS\022501_UTIL_SOUTH.DWG
LAYOUT NAME - 022510_ss

PLOT DATE : 8/21/2025 9:13 AM PLOT BY : SIERRA PARKER PLOT NAME : PLOT SCALE : 1 IN:40 FT

2



PROJECT NO: 6145-01-83/82	HWY: USH 12	COUNTY: SAUK	UTILITY PLAN - VILLAGE OF LAKE DELTON (11)	SHEET 261	E

FILE NAME : G:\00\00083\00083278\CADD\CONSTRUCTION DOCUMENTS\022501_UTIL_SOUTH.DWG
LAYOUT NAME - 022511_ss
PLOT DATE : 2/11/2026 12:19 PM
PLOT BY : OWEN MATTILA
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 41

LEGEND

- (XX) PROPOSED STORM STRUCTURE
- [XXX] ADJUSTING DRAINAGE COVER
- ⬡ (ASN) ADJUSTING SANITARY MANHOLE

PROPOSED RIGHT OF WAY (TYP.)
TEMPORARY LIMITED EASEMENT (TYP.)

5:24 MANHOLE - EXISTING
STA = 657+91.90, 50.01' LT

ADJUST EX. CURB STOP (+0.36)
ADJUST EX. WATER VALVE (+0.24)
ADJUST MANHOLE CASTING(+0.43)
ADJUST EX. WATER VALVE (+0.31)

5:89 MANHOLE - EXISTING
STA = 659+65.80, 63.19' LT

ADJUST & WATERPROOF MANHOLE CASTING(-0.47)

MATCHLINE STA. 657+00
MATCHLINE STA. 661+00

USH 12 (WISCONSIN DELLS PARKWAY)

ADJUST & WATERPROOF MANHOLE CASTING(-0.14)

5:27 MANHOLE - EXISTING
STA = 658+02.81, 40.33' RT

5:26A MANHOLE - EXISTING
STA = 658+25.87, 45.18' RT

PERMANENT LIMITED EASEMENT (TYP.)
PROPOSED RIGHT OF WAY (TYP.)
TEMPORARY LIMITED EASEMENT (TYP.)

655+50.00 656+00.00 657+00.00 658+00.00 659+00.00 660+00.00 661+00.00

5:26A MANHOLE - EXISTING
RIM = 858.68
I.E. = 848.53 (8" S)
I.E. = 844.88 (8" N)
I.E. = 844.88 (8" S)

5:24 MANHOLE - EXISTING
RIM = 860.66
I.E. = 853.40 (8" S)
I.E. = 850.43 (8" E)
I.E. = 850.65 (8" N)

5:89 MANHOLE - EXISTING
RIM = 857.34
I.E. = 851.34 (8" S)
I.E. = 851.45 (8" W)

5:26 MANHOLE - EXISTING
RIM = 850.03
I.E. = 840.78 (8" S)
I.E. = 844.15 (8" NW)
I.E. = 840.39 (8" NW)
I.E. = 840.40 (8" N)
I.E. = 844.47 (4" E)

5:27 MANHOLE - EXISTING
RIM = 861.14
I.E. = 848.91 (8" W)
I.E. = 848.89 (8" N)
I.E. = 849.84 (6" E)
I.E. = 851.07 (4" SE)

862.33 859.11 856.80 856.49 852.97 852.69 852.19 851.09 850.99

APPROX. LOCATION OF EX. 12 IN. WATERMAIN
SSPRC CLASS III 27-INCH @ 2.80%
SSPRC CLASS III 30-INCH @ 3.88%
EX. 36-INCH STORM SEWER
NB PGL PROFILE
SB PGL PROFILE
EXISTING NB PGL PROFILE
EX. 60-INCH STORM SEWER
SOIL BORING #12-35
SOIL BORING #12-36
FILL
SILTY SAND
SAND
SILTY CLAY
SSPRC CLASS III 30-INCH @ 1.00%
APPROX. LOCATION OF EX. 12 IN. WATERMAIN
SSPRC CLASS III 30-INCH @ 1.00%

875 870 865 860 855 850 845 840

PROJECT NO: 6145-01-82	HWY: USH 12	COUNTY: SAUK	UTILITY PLAN - VILLAGE OF LAKE DELTON (12)	SHEET 262	E

FILE NAME : G:\00\00083\00083278\CADD\CONSTRUCTION DOCUMENTS\022501_UTIL_CENTRAL.DWG
LAYOUT NAME - 022501_ss
PLOT DATE : 8/21/2025 9:14 AM PLOT BY : SIERRA PARKER PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

5:54 MANHOLE - EXISTING
STA = 661+31.98, 49.64' LT

ADJUST MANHOLE CASTING(+0.11)

PERMANENT LIMITED EASEMENT (TYP.)

ADJUST EX. WATER VALVE (-0.14)

ADJUST EX. WATER VALVE (-0.11)

ADJUST EX. WATER VALVE (-0.16)

ADJUST EX. WATER VALVE (-0.12)

ADJUST MANHOLE CASTING VIA MR. MANHOLE

1 - REMOVE EXISTING SANITARY MANHOLE
1 - CONNECT TO EX. SANITARY SEWER PIPE

28 LF OF 8 IN. PVC @ 1.26%

ADJUST EX. WATER VALVE (+0.41)

5:25 ADJUST MANHOLE CASTING VIA MR. MANHOLE SANITARY MANHOLE (48 IN.)
STA = 661+35.15, 46.34' RT

14 LF OF 8 IN. PVC @ 0.56%

5:25A PERMANENT LIMITED EASEMENT (TYP.) SANITARY MANHOLE (48 IN.)
STA = 661+20.90, 47.34' RT

ADJUST EX. CURB STOP (+0.01)

1 - SALVAGE EX. HYDRANT TO OWNER
1 - CONNECT TO EX. WATERMAIN
1 - 6 IN. 45° BEND
22 LF - 6 IN. DI WATERMAIN
1 - INSTALL HYDRANT, COMPLETE
STA 661+51.83, 53.12' LT
BURY LINE= 857.185

5:55 MANHOLE - EXISTING
STA = 663+78.38, 50.33' LT

ADJUST EX. WATER VALVE (-0.20)

ADJUST EX. WATER VALVE (-0.45)

1 - SALVAGE EX. HYDRANT TO OWNER
1 - CONNECT TO EX. WATERMAIN
2 - 6 IN. 45° BEND
10 LF - 6 IN. DI WATERMAIN
1 - INSTALL HYDRANT, COMPLETE
STA 662+07.26, 34.99' RT
BURY LINE= 857.051

PROPOSED RIGHT OF WAY (TYP.)

TEMPORARY LIMITED EASEMENT (TYP.)

PERMANENT LIMITED EASEMENT (TYP.)

PROPOSED RIGHT OF WAY (TYP.)

TEMPORARY LIMITED EASEMENT (TYP.)

1 - ADJUST EX. HYDRANT
BURY LINE = 860.65

ADJUST MANHOLE CASTING (+0.19)

ADJUST EX. WATER VALVE (+0.51)

ADJUST EX. WATER VALVE (+0.80)

ADJUST EX. WATER VALVE (-0.03)

ADJUST EX. WATER VALVE (-0.03)

ADJUST EX. WATER VALVE (+0.01)

ADJUST MANHOLE CASTING(-0.44)

ADJUST EX. CURB STOP (-0.69)

1 - 2 IN. CURB STOP & BOX
CURB BOX EL = 861.65

1 - 2 IN. CURB STOP & BOX
CURB BOX EL = 861.68

ADJUST EX. WATER VALVE (+0.10)

EXPLORATORY EXCAVATION TO CONFIRM WATER SERVICE ELEVATION. IF CONFLICT, INSTALL (2) NEW 2 IN. SERVICES AND 2 IN. INSULATION WITH MINIMUM 18 IN. SEPERATION BELOW STORM SEWER.

50 LF - 2 IN. COPPER SERVICE

1 - ABANDON EX. CORP VALVE AT MAIN, AND CURB STOP & BOX

1 - SALVAGE EX. CURB STOP & BOX TO OWNER

SALVAGE EX. CURB STOP & BOX TO OWNER

USH 12 (WISCONSIN DELLS PARKWAY)

MATCHLINE STA. 661+00

MATCHLINE STA. 666+50

661+00.00 662+00.00 663+00.00 664+00.00 665+00.00 666+00.00 666+50.00

LEGEND
XX PROPOSED STORM STRUCTURE
XXX ADJUSTING DRAINAGE COVER
ASN ADJUSTING SANITARY MANHOLE

5:25A SANITARY MANHOLE (48 IN.)
RIM = 853.92
I.E. = 844.92 (8" N)
I.E. = 844.92 (8" SE)

MANHOLE - EXISTING
RIM = 856.86
I.E. = 846.88 (8" E)
I.E. = 847.36 (8" N)
I.E. = 851.36 (4" W)
5:54

SOIL BORING #12-37

EXISTING NB PGL PROFILE

SB PGL PROFILE

NB PGL PROFILE

FILL

SILTY CLAY

SILTY SAND

SAND

APPROX. LOCATION OF EX. 12 IN. WATERMAIN

850.32

850.42

MANHOLE - EXISTING
RIM = 854.16
I.E. = 845.00 (8" S)
I.E. = 845.10 (8" W)
5:25

MANHOLE - EXISTING
RIM = 859.35
I.E. = 850.95 (8" S)
I.E. = 850.95 (8" N)
I.E. = 853.38 (4" SW)
5:55

MANHOLE - EXISTING
RIM = 859.89
I.E. = 851.30 (8" S)
I.E. = 854.58 (8" N)
I.E. = 851.40 (8" N)
I.E. = 851.40 (8" W)
S1

SOIL BORING #12-38

FILL

SAND

SANDSTONE

853.81

SSPRC CLASS III 24 INCH @ 2.30%

855.83

856.33

SOIL BORING #12-39

FILL

SANDSTONE

875 870 865 860 855 850 845 840

PROJECT NO: 6145-01-82	HWY: USH 12	COUNTY: SAUK	UTILITY PLAN - VILLAGE OF LAKE DELTON (13)	SHEET 263	E

FILE NAME : G:\00\00083\00083278\CADD\CONSTRUCTION DOCUMENTS\022501_UTIL_CENTRAL.DWG
LAYOUT NAME - 022502_ss

PLOT DATE : 8/21/2025 9:14 AM PLOT BY : SIERRA PARKER PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

LEGEND

- XX — PROPOSED STORM STRUCTURE
- XXX — ADJUSTING DRAINAGE COVER
- ASN — ADJUSTING SANITARY MANHOLE

1 - SALVAGE EX. HYDRANT TO OWNER
1 - CONNECT TO EX. WATERMAIN
34 LF - 6 IN. DI WATERMAIN
2 - 6 IN. 45° BEND
1 - INSTALL HYDRANT, COMPLETE
STA 667+18.09, 53.28' LT
BURY LINE= 867.365

TEMPORARY LIMITED EASEMENT (TYP.)

EX. RIGHT OF WAY (TYP.)

1 - ABANDON EX. WATER SERVICE AT MAIN & PLUG
1 - SALVAGE EX. VALVE & BOX TO OWNER

5:56 MANHOLE - EXISTING
STA = 667+04.52, 41.47' LT

ADJUST MANHOLE CASTING(-0.47)

ADJUST EX. WATER VALVE (-0.05)

USH 12 (WISCONSIN DELLS PARKWAY)

ADJUST EX. WATER VALVE (+0.18)
ADJUST EX. WATER VALVE (+0.17)
ADJUST EX. WATER VALVE (+0.19)

ADJUST EX. WATER VALVE (+1.20)
ADJUST EX. WATER VALVE (+0.83)

1 - SALVAGE EX. HYDRANT TO OWNER
1 - CONNECT TO EX. WATERMAIN
2 - 6 IN. 90° BEND
18 LF - 6 IN. DI WATERMAIN
1 - INSTALL HYDRANT, COMPLETE
STA 669+32.45, 35.99' RT
BURY LINE= 871.648

5:57 STA = 670+17.31, 41.42' LT
MANHOLE - EXISTING

ADJUST MANHOLE CASTING(+0.26)

PROPOSED RIGHT OF WAY (TYP.)

ADJUST EX. WATER VALVE (+0.33)

CONNECT TO EX. SANITARY SEWER PIPE (TYP. OF 2)

5:58 SANITARY MANHOLE
STA = 670+17.33, 31.52' RT

MATCHLINE STA. 666+50

MATCHLINE STA. 672+00

EX. RIGHT OF WAY (TYP.)

PROPOSED RIGHT OF WAY (TYP.)

TEMPORARY LIMITED EASEMENT (TYP.)

666+50.00 667+00.00 668+00.00 669+00.00 670+00.00 671+00.00 672+00.00

885 880 875 870 865 860 855 850

5:56 MANHOLE - EXISTING
RIM = 866.37
I.E. = 860.22 (8" S)
I.E. = 860.27 (8" N)

SOIL BORING #12-40

SB PGL PROFILE

NB PGL PROFILE

EXISTING NB PGL PROFILE

FILL

SSPRC CLASS III 24-INCH @ 2.30%

SSPRC CLASS III 24-INCH @ 1.90%

APPROX. LOCATION OF EX. 12 IN. WATERMAIN

861.69

861.79

867.43

867.53

870.40

870.50

SANITARY MANHOLE
RIM = 873.66
I.E. = 865.19 (8" W)
I.E. = 865.38 (8" N)

5:58

SOIL BORING #12-41

MANHOLE - EXISTING
RIM = 874.43
I.E. = 864.49 (8" S)
I.E. = 864.57 (8" E)
I.E. = 864.54 (8" N)

5:57

PROJECT NO: 6145-01-82	HWY: USH 12	COUNTY: SAUK	UTILITY PLAN - VILLAGE OF LAKE DELTON (14)	SHEET 264	E

FILE NAME : G:\00\00083\00083278\CADD\CONSTRUCTION DOCUMENTS\022501_UTIL_CENTRAL.DWG
LAYOUT NAME - 022503_ss

PLOT DATE : 8/21/2025 9:15 AM PLOT BY : SIERRA PARKER PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 41

2

LEGEND

- XX — PROPOSED STORM STRUCTURE
- XXX — ADJUSTING DRAINAGE COVER
- ASN — ADJUSTING SANITARY MANHOLE

TEMPORARY LIMITED EASEMENT (TYP.)

PROPOSED RIGHT OF WAY (TYP.)

1 - SALVAGE EX. HYDRANT TO OWNER
1 - SALVAGE EX. VALVE & BOX TO OWNER
1 - ABANDON EX. HYDRANT LEAD AT TEE & PLUG

1 - 6 IN. VALVE & BOX
VALVE BOX EL = 880.85

1 - 12X6 IN. TAPPING SLEEVE, LIVE TAP
1 - 6 IN. 90° BEND
12 LF - 6 IN. DI WATERMAIN
1 - INSTALL HYDRANT, COMPLETE
STA 675+70.23, 38.54' LT
BURY LINE= 881.039

1 - ABANDON EX. WATER SERVICE AT MAIN & PLUG
1 - SALVAGE EX. VALVE & BOX TO OWNER

ADJUST EX. WATER VALVE (+0.48)

1 - SALVAGE EX. VALVE & BOX TO OWNER

CONNECT TO EX. SANITARY SEWER PIPE (TYP. OF 2)

ADJUST EX. WATER VALVE (+0.44)

ADJUST EX. WATER VALVE(+0.39)

CONNECT TO EX. SANITARY SEWER PIPE

MATCHLINE STA. 672+00

MATCHLINE STA. 677+50

USH 12 (WISCONSIN DELLS PARKWAY)

5:28 — SANITARY MANHOLE (48 IN.)
STA = 673+65.55, 27.98' RT

5:77 — SANITARY MANHOLE (48 IN.)
STA = 672+54.03, 30.80' RT

MANHOLE TO RECEIVE OFFSET CONE

25 LF OF 8 IN. PVC @ 0.56%

5:28C — SAN. SEWER MH (48 IN)
STA = 673+94.50, 48.28' RT

17 LF OF 8 IN. PVC @ 0.58%

5:28B — SAN. SEWER MH (48 IN)
STA = 673+77.15, 49.97' RT

STA = 676+19.07, 32.63' RT
SANITARY MANHOLE (48 IN.)
6:3

6:2 — SANITARY MANHOLE (48 IN.)
STA = 676+50.82, 33.30' RT

1 - 6 IN. VALVE & BOX
VALVE BOX EL = 879.09

ADJUST EX. WATER VALVE (-1.30)

1 - SALVAGE EX. HYDRANT TO OWNER
2 - CONNECT TO EX. WATERMAIN
4 - 6 IN. 45° BEND
1- 6X6 IN. TEE
28 LF - 6 IN. DI WATERMAIN
1 - INSTALL HYDRANT, COMPLETE
STA 672+13.19, 35.87' RT
BURY LINE= 879.136

CONNECT TO EXISTING
SANITARY LATERAL WITH CLEANOUT
CONTRACTOR TO VERIFY ELEVATIONS
PRIOR TO CONSTRUCTION WITH
EXPLORATORY EXCAVATION (TYP OF 5.28B & 5.28C)

EX. RIGHT OF WAY (TYP.)

CONNECT TO EX. SANITARY SEWER PIPE (TYP. OF 3)
TEMPORARY LIMITED EASEMENT (TYP.)

672+00.00 | 673+00.00 | 674+00.00 | 675+00.00 | 676+00.00 | 677+00.00 | 677+50.00

SAN. SEWER MH (48 IN)
EXTERNAL DROP
RIM = 889.95
I.E. = 879.00 (6" NE)
I.E. = 874.90 (8" S)

SAN. SEWER MH (48 IN)
EXTERNAL DROP
RIM = 890.22
I.E. = 874.70 (8" W)
I.E. = 874.80 (8" N)
I.E. = 879.00 (6" E)

SANITARY MANHOLE (48 IN.)
OFFSET CONE
RIM = 879.19
I.E. = 873.24 (8" N)
I.E. = 872.64 (8" S)

SANITARY MANHOLE (48 IN.)
RIM = 880.60
I.E. = 874.46 (8" S)
I.E. = 874.56 (8" E)

SANITARY MANHOLE (48 IN.)
RIM = 878.86
I.E. = 874.62 (8" N)

SANITARY MANHOLE (48 IN.)
RIM = 878.16
I.E. = 872.97 (8" N)
I.E. = 873.13 (8" E)
I.E. = 873.15 (8" S)
I.E. = 874.92 (8" E)

NB PGL PROFILE
SB PGL PROFILE
SOIL BORING #12-64
EXISTING NB PGL PROFILE
WEATHERED SANDSTONE
SANDSTONE
SOIL BORING #12-63
SOIL BORING #12-65
SSPRC CLASS III 24 INCH @ 1.90%
SSPRC CLASS III 24 INCH @ 1.50%
APPROX. LOCATION OF EX. 12 IN. WATERMAIN
874.77
873.80
872.02
871.04

895 | 890 | 885 | 880 | 875 | 870 | 865 | 860

PROJECT NO: 6145-01-82	HWY: USH 12	COUNTY: SAUK	UTILITY PLAN - VILLAGE OF LAKE DELTON (15)	SHEET 265	E

FILE NAME : G:\00\00083\00083278\CADD\CONSTRUCTION DOCUMENTS\022501_UTIL_CENTRAL.DWG
LAYOUT NAME - 022504_ss

PLOT DATE : 8/21/2025 9:15 AM | PLOT BY : SIERRA PARKER | PLOT NAME : | PLOT SCALE : 1 IN:40 FT

2

LEGEND

- XX — PROPOSED STORM STRUCTURE
- XXX — ADJUSTING DRAINAGE COVER
- ASN — ADJUSTING SANITARY MANHOLE

N

MATCHLINE STA. 677+50

MATCHLINE STA. 683+00

EX. RIGHT OF WAY (TYP.)

PERMANENT LIMITED EASEMENT (TYP.)

TEMPORARY LIMITED EASEMENT (TYP.)

ADJUST EX. WATER VALVE (+0.81)

ADJUST EX. WATER VALVE (+0.11)

ADJUST EX. WATER VALVE (+0.24)

ADJUST EX. WATER VALVE (+0.14)

1 - 12X6 IN. TAPPING SLEEVE, LIVE TAP
18 LF - 6 IN. DI WATERMAIN
1 - INSTALL HYDRANT, COMPLETE
STA 680+46.93, 56.75' LT
BURY LINE= 865.932

1 - 6 IN. VALVE & BOX
VALVE BOX EL = 866.04

1 - ABANDON EX. WATER SERVICE AT MAIN & PLUG
1 - SALVAGE EX. VALVE & BOX TO OWNER

1 - SALVAGE EX. HYDRANT TO OWNER
1 - SALVAGE EX. VALVE & BOX TO OWNER
1 - ABANDON EX. HYDRANT LEAD AT TEE & PLUG

ADJUST EX. WATER VALVE (-0.01)

ADJUST MANHOLE CASTING(-0.41)

1 - 6 IN. VALVE & BOX
VALVE BOX EL = 874.10

1 - SALVAGE EX. HYDRANT TO OWNER
1 - SALVAGE EX. VALVE & BOX TO OWNER
1 - 6 IN. 45° BEND
1 - CONNECT TO EX. WATERMAIN
12 LF - 6 IN. DI WATERMAIN
1 - INSTALL HYDRANT, COMPLETE
STA 677+78.44, 38.73' RT
BURY LINE= 875.328

6:4 MANHOLE - EXISTING
STA = 677+59.29, 33.90' RT

EX. RIGHT OF WAY (TYP.)

TEMPORARY LIMITED EASEMENT (TYP.)

6:5 MANHOLE - EXISTING
STA = 681+01.49, 32.49' RT

ADJUST MANHOLE CASTING(-0.96)

ADJUST EX. WATER VALVE (-0.38)

1 - SALVAGE EX. HYDRANT TO OWNER
1 - CONNECT TO EX. WATERMAIN
1 - 6 IN. 22.5° BEND
20 LF - 6 IN. DI WATERMAIN
1 - INSTALL HYDRANT, COMPLETE
STA 682+71.04, 26.08' RT
BURY LINE= 857.427

USH 12 (WISCONSIN DELLS PARKWAY)

VILLAGE OF LAKE DELTON WATER

VILLAGE OF LAKE DELTON SANITARY

CHARTER

ALLIANT ENERGY GAS

ALLIANT ENERGY ELECTRIC

FRONTIER

677+50.00 678+00.00 679+00.00 680+00.00 681+00.00 682+00.00 683+00.00

880 875 870 865 860 855 850 845

6:4 MANHOLE - EXISTING
RIM = 874.93
I.E. = 867.50 (8" S)
I.E. = 867.47 (8" N)

SOIL BORING #12-66

FILL

SSPRC CLASS III 18-INCH @ 3.26%

867.65

867.45

APPROX. LOCATION OF EX. 12 IN. WATERMAIN

SB PGL PROFILE

SOIL BORING #12-67

NB PGL PROFILE

SSPRC CLASS III 18-INCH @ 3.31%

FILL

860.98

EXISTING NB PGL PROFILE

6:5 MANHOLE - EXISTING
RIM = 863.09
I.E. = 855.35 (8" S)
I.E. = 855.29 (8" N)

SOIL BORING #12-68

FILL

SAND

APPROX. LOCATION OF EX. 12 IN. WATERMAIN

PROJECT NO: 6145-01-82	HWY: USH 12	COUNTY: SAUK	UTILITY PLAN - VILLAGE OF LAKE DELTON (16)	SHEET 266	E

FILE NAME : G:\00\00083\00083278\CADD\CONSTRUCTION DOCUMENTS\022501_UTIL_CENTRAL.DWG
LAYOUT NAME - 022505_ss

PLOT DATE : 8/21/2025 9:15 AM PLOT BY : SIERRA PARKER PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

LEGEND

- (XX) PROPOSED STORM STRUCTURE
- (XXX) ADJUSTING DRAINAGE COVER
- (ASN) ADJUSTING SANITARY MANHOLE

EX. RIGHT OF WAY (TYP.)

1 - SALVAGE EX. HYDRANT TO OWNER
1 - SALVAGE EX. VALVE & BOX TO OWNER
1 - ABANDON EX. HYDRANT LEAD AT TEE & PLUG

TEMPORARY LIMITED EASEMENT (TYP.)

INSULATE BETWEEN PROPOSED WATER AND PROPOSED STORM SEWER

1 - SALVAGE EX. VALVE & BOX TO OWNER
REMOVE EX. WATERMAIN AT TEE & PLUG

1 - CONNECT TO EX. WATERMAIN
1 - CONNECT TO EX. WATER SERVICE
1 - 2 IN. CORPORATION VALVE
42 LF - 2 IN. COPPER SERVICE
1 - 2 IN. CURB STOP & BOX
CURB BOX EL = 847.39

6:18 MANHOLE - EXISTING
STA = 687+60.39, 60.17' LT

1 - CONNECT TO EX. WATERMAIN
1 - 8 IN. VALVE AND BOX
4 - 8 IN. 45° BEND
1 - 8 IN. 22.5° BEND
1 - 12X8 IN. TEE
26 LF - 8 IN. DI WATERMAIN
VALVE BOX EL = 846.00

ADJUST EX. WATER VALVE (0.00)

ADJUST EX. WATER VALVE (+0.02)

1 - ABANDON EX. CORP. VALVE AND CURB VALVE & BOX AT MAIN & PLUG

REMOVE EX. WATERMAIN
STA 687+57 - 690+82

STA = 687+27.06, 32.43' RT
MANHOLE - EXISTING 6:6

1 - CONNECT TO EX. WATERMAIN
337 LF - 12 IN. DI WATERMAIN
2 - 12 IN. 45° BEND

USH 12 (WISCONSIN DELLS PARKWAY)

MATCHLINE STA. 683+00

MATCHLINE STA. 688+50

ADJUST MANHOLE CASTING(-0.39)

ADJUST EX. WATER VALVE (-0.35)

ADJUST MANHOLE CASTING(-1.00)

ADJUST EX. CURB STOP (-0.16)

ADJUST EX. CURB STOP (-0.09)

1 - SALVAGE EX. HYDRANT TO OWNER
1 - CONNECT TO EX. WATERMAIN
1 - 6 IN. 45° BEND
14 LF - 6 IN. DI WATERMAIN
1 - INSTALL HYDRANT, COMPLETE
STA 687+38.28, 36.80' RT
BURY LINE= 847.312

ADJUST EX. CURB STOP (-0.54)

ADJUST EX. WATER VALVE (-0.66)

STA = 684+49.14, 33.44' RT
MANHOLE - EXISTING 6:1

EX. RIGHT OF WAY (TYP.)
TEMPORARY LIMITED EASEMENT (TYP.)

BONANZA DR

VILLAGE OF LAKE DELTON WATER
VILLAGE OF LAKE DELTON SANITARY
ALLIANT ENERGY GAS
ALLIANT ENERGY ELECTRIC
FRONTIER
CHARTER

683+00.00 684+00.00 685+00.00 686+00.00 687+00.00 688+00.00 688+50.00

865 860 855 850 845 840 835 830

6:1 MANHOLE - EXISTING
RIM = 852.19
I.E. = 845.83 (8" S)
I.E. = 844.80 (8" E)
I.E. = 844.65 (8" NE)

SOIL BORING #12-70

FILL
SILTY SAND
SAND

SSPRC CLASS III 24-INCH @ 1.00%

APPROX. LOCATION OF EX. 12 IN. WATERMAIN

845.53
843.96
842.85

MANHOLE - EXISTING 6:6
RIM = 846.34
I.E. = 839.52 (8" SW)
I.E. = 839.51 (8" NE)

6:18 MANHOLE - EXISTING
RIM = 846.06
I.E. = 830.31 (10" W)
I.E. = 830.36 (10" NE)

NB PGL PROFILE
SB PGL PROFILE
EXISTING NB PGL PROFILE

SSPRC CLASS III 24-INCH @ 1.00%

SOIL BORING #12-71

DUAL 54-INCH PIPES
FILL
SAND

SSPRC CLASS III 54-INCH @ 0.29%

841.29
836.55
836.88
836.88

SSPRC CLASS III 30-INCH @ 1.10%

CONNECT TO EX. 12 IN. WATERMAIN (STA 687+57)

PROJECT NO: 6145-01-82	HWY: USH 12	COUNTY: SAUK	UTILITY PLAN - VILLAGE OF LAKE DELTON (17)	SHEET 267	E

FILE NAME : G:\00\00083\00083278\CADD\CONSTRUCTION DOCUMENTS\022501_UTIL_CENTRAL.DWG
LAYOUT NAME - 022506_ss

PLOT DATE : 8/21/2025 9:15 AM PLOT BY : SIERRA PARKER PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

LEGEND

- XX — PROPOSED STORM STRUCTURE
- XXX — ADJUSTING DRAINAGE COVER
- ASN — ADJUSTING SANITARY MANHOLE

1 - SALVAGE EX. HYDRANT TO OWNER
2 - SALVAGE EX. VALVE & BOX TO OWNER
1 - ABANDON EX. HYDRANT LEAD AT TEE & PLUG

STA = 689+90.59, 58.39' LT
MANHOLE - EXISTING
6:11

SALVAGE EX. VALVE & BOX TO OWNER

PROTECT EXISTING POOL DECK, CONCRETE WALL, AND FENCING

EX. RIGHT OF WAY (TYP.)

1 - 12X6 IN. TEE
14 LF - 6 IN. DI WATERMAIN
1 - INSTALL HYDRANT, COMPLETE
STA 690+76.28, 53.14' LT
BURY LINE= 845.582

1 - 6 IN. VALVE & BOX
VALVE BOX EL = 845.77

1 - 12 IN. VALVE & BOX
VALVE BOX EL = 845.71

REMOVE EX. WATERMAIN
STA 687+57 - 690+82

1 - CONNECT TO EX. WATERMAIN
2 - 12 IN. 45° BEND

1 - 4 IN. VALVE & BOX
VALVE BOX EL = 844.95

1 - CONNECT TO EX. WATER SERVICE
1 - 12X4 IN. Tee
108 LF - 4 IN. DI WATERMAIN
4 - 4 IN. 45° BEND

ADJUST EX. WATER VALVE (+0.01)
ADJUST EX. WATER VALVE (-0.22)

USH 12 (WISCONSIN DELLS PARKWAY)

MATCHLINE STA. 688+50

MATCHLINE STA. 694+00

689+00 690+00 691+00 692+00 693+00 694

ADJUST MANHOLE CASTING(+0.38)

STA = 689+88.53, 32.50' RT
MANHOLE - EXISTING
6:7

EX. RIGHT OF WAY (TYP.)

TEMPORARY LIMITED EASEMENT (TYP.)

1 - SALVAGE EX. HYDRANT TO OWNER
1 - CONNECT TO EX. WATERMAIN
1 - 6 IN. 45° BEND
5 LF - 6 IN. DI WATERMAIN
1 - INSTALL HYDRANT, COMPLETE
STA 692+86.27, 25.99' RT
BURY LINE= 845.842

ADJUST EX. WATER VALVE (-0.06)

ADJUST MANHOLE CASTING(-0.09)

STA = 693+92.71, 31.21' RT
MANHOLE - EXISTING
6:8

688+50.00 689+00.00 690+00.00 691+00.00 692+00.00 693+00.00 694+00.00

MANHOLE - EXISTING
RIM = 844.54
I.E. = 835.79 (8" SW)
I.E. = 835.30 (10" NW)
I.E. = 835.98 (10" NE)
6:7

EXISTING NB PGL PROFILE

SOIL BORING #12-72

DUAL 54-INCH PIPES

FILL

SAND

SSPRC CLASS III 54-INCH @ 0.29%

CONNECT TO EX. 12 IN. WATERMAIN (STA 690+43)

SSPRC CLASS III 36-INCH @ 0.30%

APPROX. LOCATION OF EX. 12 IN. WATERMAIN

838.95
838.38
837.50
838.45

SSPRC CLASS III 42-INCH @ 0.53%

6:11 MANHOLE - EXISTING
RIM = 848.22
I.E. = 834.10 (10" SE)
I.E. = 834.05 (10" SW)

SOIL BORING #12-73

SB PGL PROFILE

NB PGL PROFILE

FILL

SAND

SSPRC CLASS III 36-INCH @ 0.50%

839.55
839.65

MANHOLE - EXISTING
RIM = 846.67
I.E. = 837.58 (10" SW)
I.E. = 837.63 (10" NE)
6:8

SOIL BORING #12-74

FILL

SAND

840.51
841.35

855 850 845 840 835 830 825 820

PROJECT NO: 6145-01-82	HWY: USH 12	COUNTY: SAUK	UTILITY PLAN - VILLAGE OF LAKE DELTON (18)	SHEET 268	E

FILE NAME : G:\00\00083\00083278\CADD\CONSTRUCTION DOCUMENTS\022501_UTIL_CENTRAL.DWG
LAYOUT NAME - 022507_ss

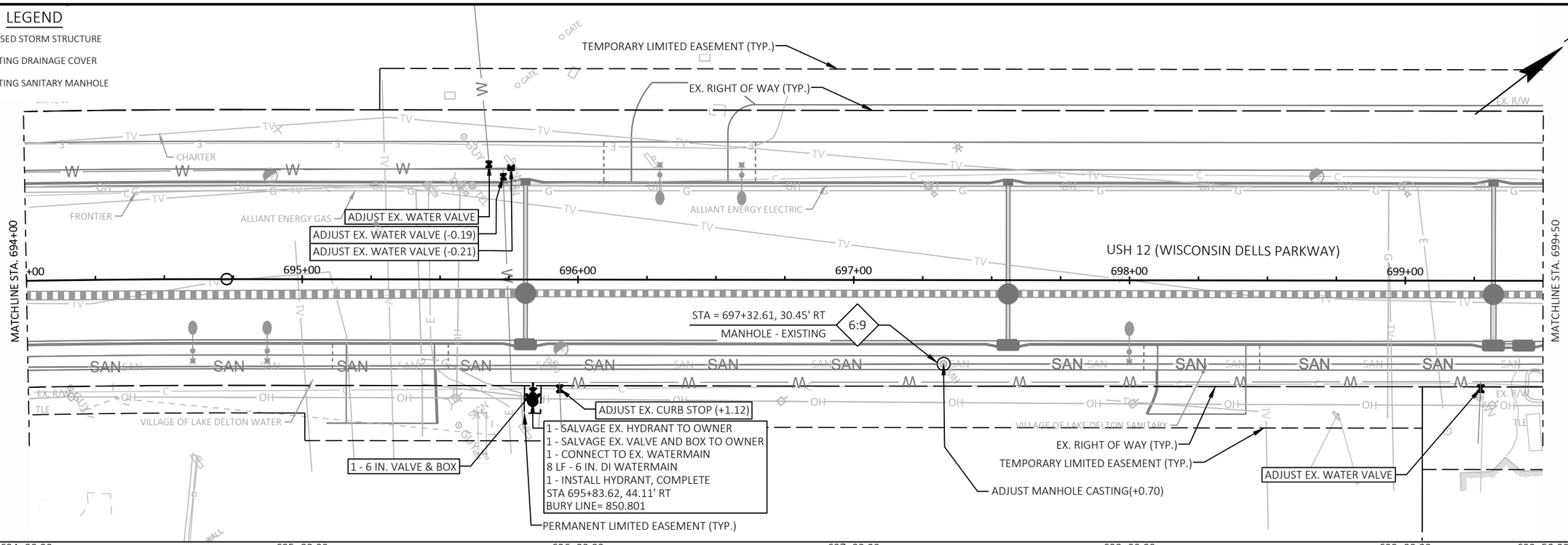
PLOT DATE : 8/21/2025 9:15 AM PLOT BY : SIERRA PARKER PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 41

2

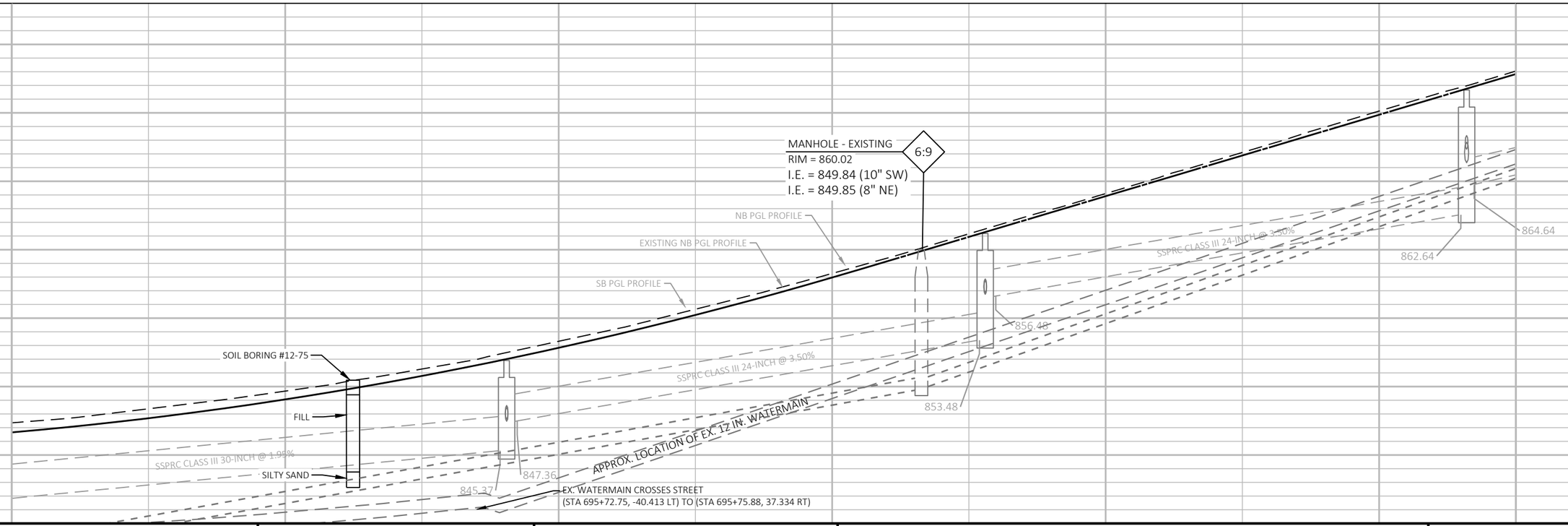
LEGEND

- XX — PROPOSED STORM STRUCTURE
- XXX — ADJUSTING DRAINAGE COVER
- ASN — ADJUSTING SANITARY MANHOLE



694+00.00 | 695+00.00 | 696+00.00 | 697+00.00 | 698+00.00 | 699+00.00 | 699+50.00

875 | 870 | 865 | 860 | 855 | 850 | 845 | 840



PROJECT NO: 6145-01-82	HWY: USH 12	COUNTY: SAUK	UTILITY PLAN - VILLAGE OF LAKE DELTON (19)	SHEET 269	E

FILE NAME : G:\00\00083\00083278\CADD\CONSTRUCTION DOCUMENTS\022501_UTIL_CENTRAL.DWG
LAYOUT NAME - 022508_ss

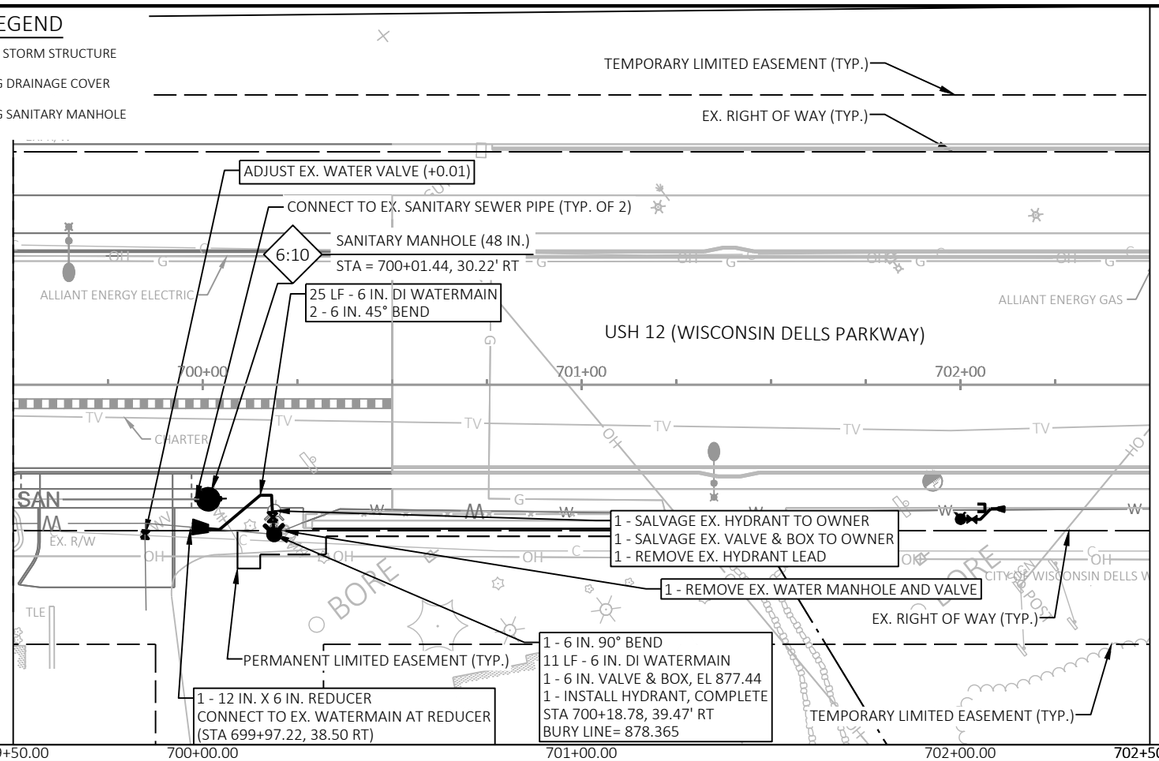
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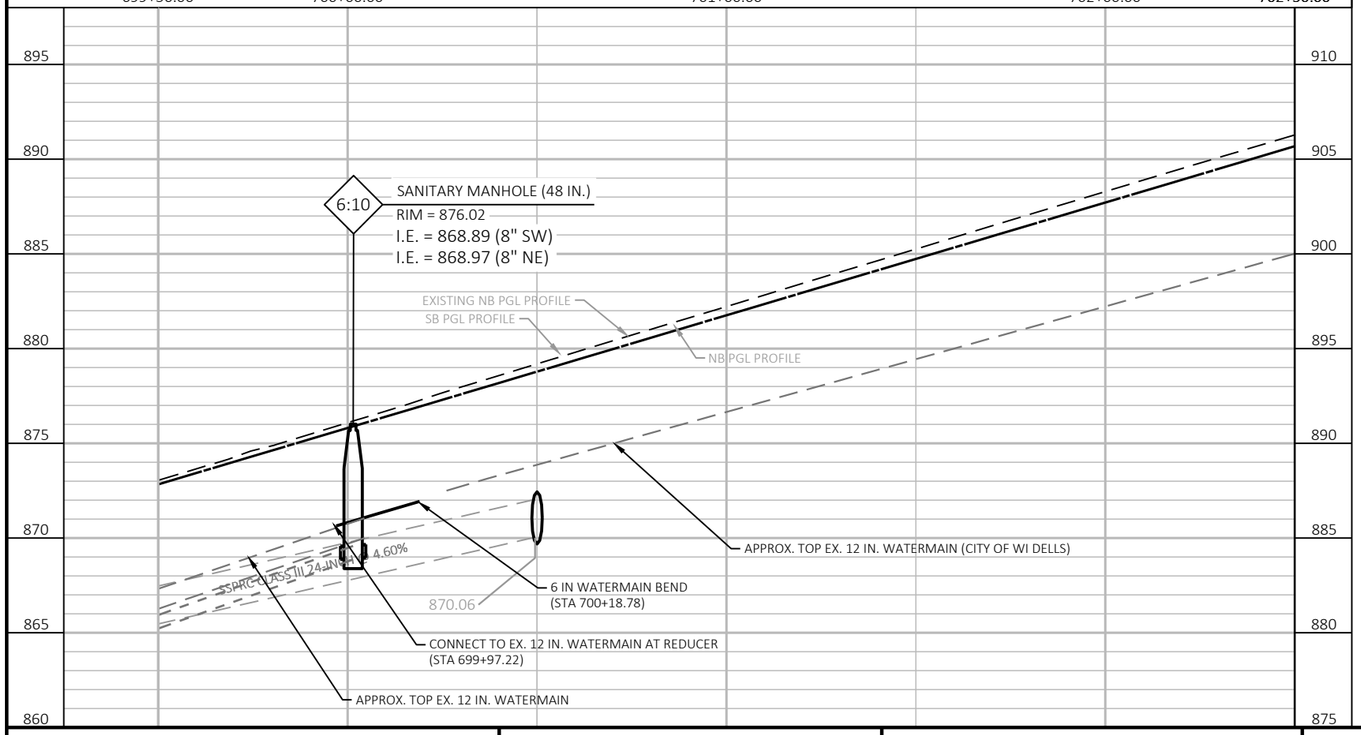
WISDOT/CADDS SHEET 41

2

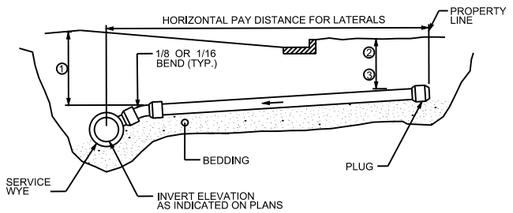
LEGEND

- XX — PROPOSED STORM STRUCTURE
- XXX — ADJUSTING DRAINAGE COVER
- ASN — ADJUSTING SANITARY MANHOLE

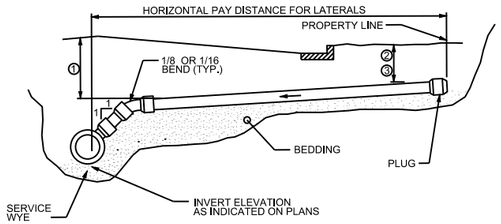




PROJECT NO: 6145-01-82	**HWY:** USH 12	**COUNTY:** SAUK	UTILITY PLAN - VILLAGE OF LAKE DELTON (20)	SHEET 270 E



STANDARD INSTALLATION WITHOUT RISER

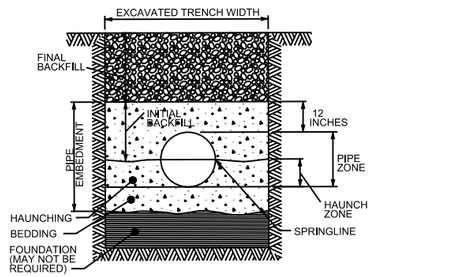


STANDARD INSTALLATION WITH RISER

GENERAL NOTES:
1. MININUM DEPTH OF COVER UNDER ROADWAY = 7 FEET.
2. MININUM DEPTH OF COVER UNDER GRASS AREAS = 5 1/2 FEET.
3. MININUM DEPTH OF COVER UNDER GRASS AREAS WITH FROST PROTECTION = 3 FEET 6 INCHES.
4. LATERAL SLOPES SHALL BE 1/8 INCH PER FOOT MINIMUM AND 1/2 INCH PER FOOT MAXIMUM.
5. ALL NON-CONDUCTIVE LATERALS SHALL BE INSTALLED WITH TRACER WIRE AND TERMINAL BOXES (SEE TRACER WIRE DETAIL).

SANITARY SEWER LATERAL DETAIL

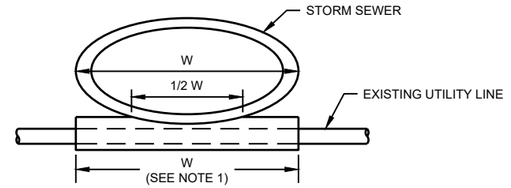
SCALE: NONE

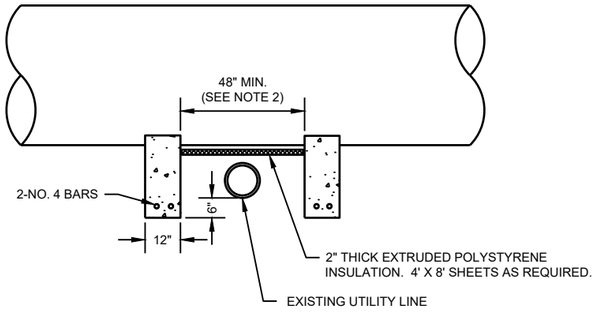


GENERAL NOTES:
1. DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO ASTM D2321.
2. CLASS 1A EMBEDMENT AND INITIAL BACKFILL MATERIAL SHALL BE CLEAN, OPEN GRADED CRUSHED STONE.
3. CLASS 1B EMBEDMENT AND INITIAL BACKFILL MATERIAL SHALL BE CLEAN, DENSE GRADED CRUSHED STONE AND SAND/STONE MIXTURES.
4. NO PARTICLES LARGER THAN 1 1/2 -INCHES SHALL BE USED IN THE PIPE EMBEDMENT.
5. DO NOT USE CLASS 1A MATERIAL WHERE CONDITIONS MAY CAUSE MIGRATION OF FINES FROM ADJACENT SOIL AND LOSS OF PIPE SUPPORT.
6. CLASS 1 MATERIAL IS SUITABLE AS FOUNDATION AND FOR REPLACING OVER-EXCAVATED AND UNSTABLE TRENCH BOTTOM. INSTALL AND COMPACT IN 6-INCH MAXIMUM LAYERS.
7. INSTALL BEDDING IN 6-INCH MAXIMUM LAYERS. LEVEL FINAL GRADE BY HAND. MINIMUM DEPTH 4 INCH (6 INCH IN ROCK CUTS).
8. INSTALL AND COMPACT HAUNCHING IN 6-INCH MAXIMUM LAYERS. WORK IN AROUND PIPE BY HAND TO PROVIDE UNIFORM SUPPORT.
9. INSTALL AND COMPACT INITIAL BACKFILL TO A MINIMUM OF 12 INCHES ABOVE PIPE CROWN.
10. EMBEDMENT COMPACTION:
    CLASS 1A: PLACE AND WORK BY HAND TO INSURE ALL EXCAVATED VOIDS AND HAUNCH AREAS ARE FILLED. FOR HIGH DENSITIES USE VIBRATORY COMPACTORS.
    CLASS 1B: MINIMUM DENSITY 85% STANDARD PROCTOR. USE HAND TAMPERS OR VIBRATORY COMPACTORS.

CLASS I - FLEXIBLE PIPE EMBEDMENT DETAIL

SCALE: NONE

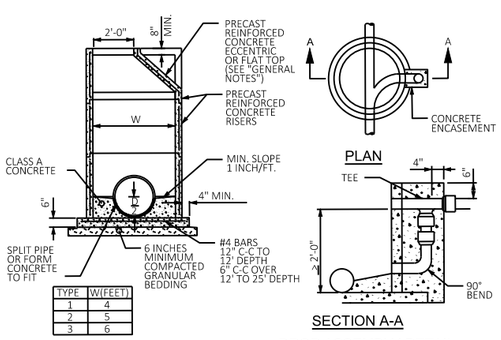




GENERAL NOTES:
1. REINFORCED CONCRETE BRIDGING SHALL PARALLEL EXISTING UTILITY LINE. BRIDGING SHALL RUN ENTIRE WIDTH OF OVERLYING PIPE, AND BEAR ON HALF OF THE OVERLYING PIPE WIDTH.
2. FOR UTILITY LINES OVER 24 INCHES IN DIAMETER, SPACING SHALL BE OUTSIDE DIAMETER PLUS 24 INCHES

REINFORCED CONCRETE BRIDGING DETAIL

NO SCALE



TYPE	W(FEET)
1	4
2	5
3	6

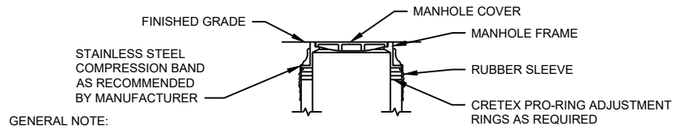
SECTION A-A

DROP ASSEMBLY DETAIL

GENERAL NOTES:
1. DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL CONDITIONS.
2. DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR UNDERGROUND STRUCTURES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.
3. PRECAST REINFORCED BASES SHALL BE PLACED ON A BED OF MATERIAL AT LEAST 6 INCHES IN DEPTH, WHICH MEETS THE REQUIREMENTS FOR GRANULAR BACKFILL. THIS BEDDING SHALL BE COMPACTED AND PROVIDE UNIFORM SUPPORT FOR THE ENTIRE AREA OF THE BASE.
4. ECCENTRIC CONE TOPS SHALL BE USED ON ALL STRUCTURES 5 FEET OR GREATER IN DEPTH, AND FLAT TOPS SHALL BE USED ONLY ON STRUCTURES LESS THAN 5 FEET IN DEPTH, UNLESS DIRECTED BY THE ENGINEER.
5. PRECAST REINFORCED CONCRETE RISERS MAY BE PLACED WITH TONGUE UP OR DOWN.
6. ALL PRECAST INLET UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF AASHTO DESIGNATION M 199.
7. DROP CONNECTIONS SHALL BE USED WHEN THE PIPE INVERT IS MORE THAN 2 FEET ABOVE THE MANHOLE INVERT.
8. PRECAST STRUCTURE MANWAY CLEAR OPENING SHALL MATCH CASTING - REFER TO STANDARD SPECIFICATION DIVISION 33 AND THE APPLICABLE SPECIAL CONDITIONS.
   - OPENING SHALL BE 24" FOR R-1550 CASTINGS
   - OPENING SHALL BE 27" FOR R-1642 CASTINGS

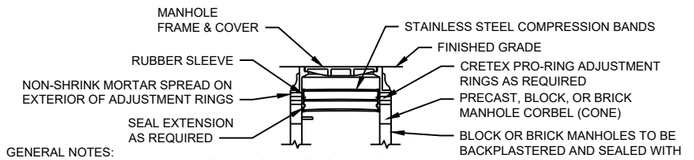
SANITARY MANHOLE DETAIL

SCALE: NONE



GENERAL NOTE:
THE SEAL SHALL EXTEND FROM THE CASTING TO THE CORBEL (CONE). SEAL EXTENSIONS SHALL BE USED AS REQUIRED.

EXTERNAL RUBBER SLEEVE FRAME/CHIMNEY SEAL
USED IN ALL APPLICATONS EXCEPT CONCRETE PAVEMENT

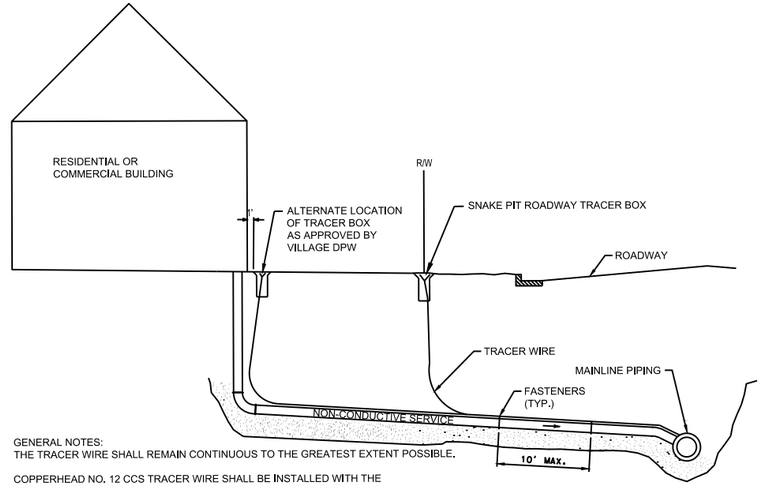


GENERAL NOTES:
1. THE SEAL SHALL EXTEND FROM THE CASTING TO THE CORBEL (CONE). SEAL EXTENSIONS SHALL BE USED AS REQUIRED.
2. AN INTERNAL ADAPTOR SEAL RING MAY BE USED IN LIEU OF THE RUBBER SLEEVE. THE INTERNAL ADAPTOR SEAL RING SHALL BE INSTALLED PER MANUFACTURER'S INSTRUCTIONS.

INTERNAL RUBBER SLEEVE FRAME/CHIMNEY SEAL
ONLY USED IN CONCRETE PAVEMENT APPLICATION

MANHOLE WATERPROOFING DETAIL

NO SCALE



GENERAL NOTES:
THE TRACER WIRE SHALL REMAIN CONTINUOUS TO THE GREATEST EXTENT POSSIBLE.

COPPERHEAD NO. 12 CCS TRACER WIRE SHALL BE INSTALLED WITH THE NON-CONDUCIVE SERVICE. PIPE TRACER WIRE TERMINAL BOXES SHALL BE INSTALLED AT LOCATIONS SHOWN ON THE PLANS OR AS DETERMINED BY THE ENGINEER OR VILLAGE DPW. TRACER WIRE INSTALLATION REQUIRES ACCESS POINTS AT LEAST EVERY 300 FEET.

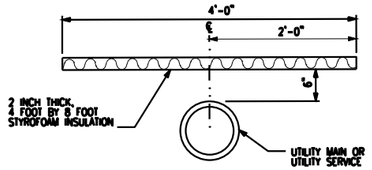
TRACER WIRE SHALL BE RESTRAINED BY ZIP-TIES OR BY NON-CORROSIVE FASTENER APPROVED BY THE VILLAGE DPW, INSTALLED EVERY 10 FEET ALONG SERVICE. DO NO WRAP TRACER WIRE AROUND THE PIPE.

TRACER WIRE SHALL BE TERMINATED IN A FLUSH MOUNTED TERMINAL BOX WITH A CAST IRON LOCKABLE TOP. SPLICES IN TRACER WIRE SHOULD BE MADE WITH COPPERHEAD SNAKE BITE CONNECTORS. WIRE NUTS SHALL NOT BE USED. A WATER-PROOF CONNECTION IS NECESSARY TO PREVENT CORROSION. TERMINAL BOX SHALL BE SNAKEPIT ROADWAY TRACER BOX OR APPROVED EQUAL.

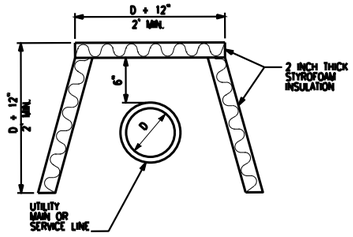
CONTRACTOR MUST DEMONSTRATE TRACEABILITY UPON COMPLETION.

TRACER WIRE INSTALLATION FOR NON-CONDUCTIVE SERVICE

SCALE: NONE



STANDARD INSTALLATION

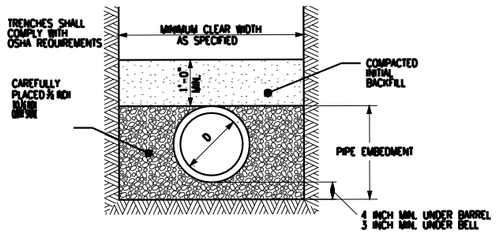


SIDE PROTECTION INSTALLATION

GENERAL NOTES:

1. THE SIDE PROTECTION INSTALLATION SHALL BE USED WHERE FROST WILL PENETRATE BELOW THE PIPE INVERT.

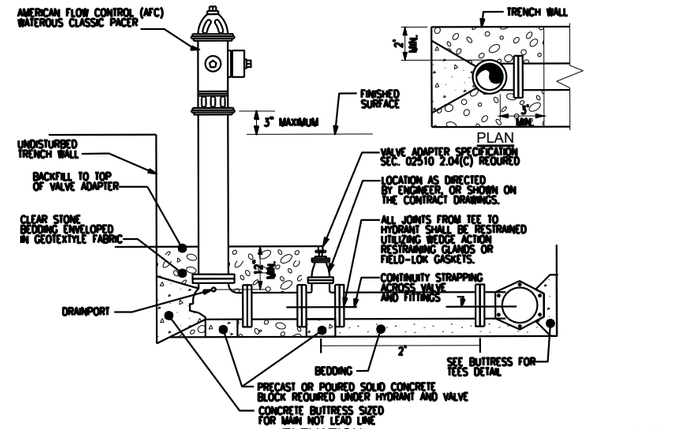
PIPE INSULATION DETAIL
SCALE: NONE



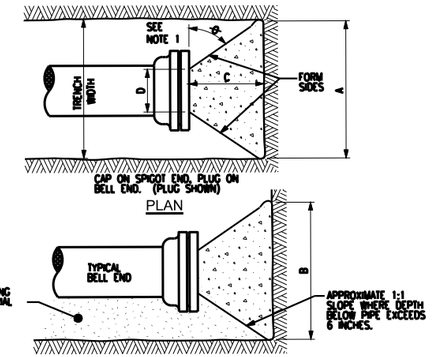
GENERAL NOTES:

1. INITIAL BACKFILL SHALL BE DENSELY COMPACTED, NON-COHESIVE FINELY DIVIDED MATERIAL FREE OF DEBRIS, ORGANIC MATERIAL, AND LARGE STONES.
2. IN ROCK OR OTHER INCOMPRESSABLE MATERIALS, THE TRENCH SHALL BE OVEREXCAVATED A MINIMUM OF 6-INCHES AND REFILLED WITH GRANULAR MATERIAL.

DUCTILE IRON WATER MAIN EMBEDMENT DETAIL
SCALE: NONE



HYDRANT AND LEAD CONNECTION DETAIL
SCALE: NONE

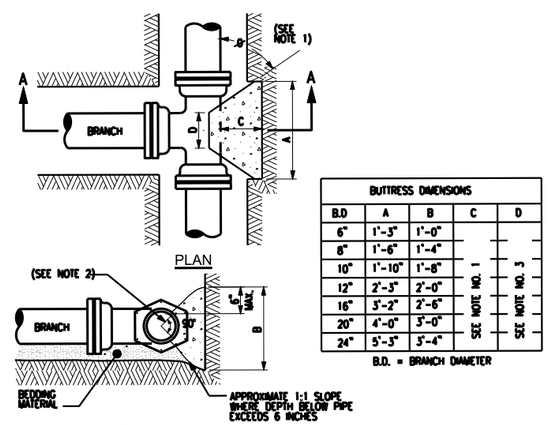


NOTES:

1. PRECAST CONCRETE BLOCKS SHALL BE USED IN LIEU OF POURED-IN-PLACE CONCRETE. PRECAST CONCRETE SHALL BE PLACED TO THE DIMENSIONS SHOWN ON THESE DETAILS. ALL FITTINGS SHALL ALSO RECEIVE MEGA-LUG OR EQUAL JOINT RESTRAINT.
2. DIMENSION 'C' SHOULD BE LARGE ENOUGH TO MAKE ANGLE Θ EQUAL TO OR LARGER THAN 45°.
3. DIMENSION 'D' EQUALS APPROX. I.D. OF PIPE LESS 2 INCHES. THE CONCRETE SHOULD NOT INTERFERE WITH THE MECHANICAL JOINTS.
4. WHERE BUTTRESSES ARE NOT POSSIBLE BECAUSE OF POOR SOIL CONDITIONS OR LACK OF ROOM, STRAPPING SHALL BE PERMITTED.
5. BUTTRESS DIMENSIONS ARE BASED ON A SOIL RESISTANCE OF TWO TONS PER SQ. FT. AND A WATER PRESSURE OF 150 PSI. INFORM THE ENGINEER IF ON-SITE SOIL DOES NOT MEET THIS CONDITION OR PRESSURES EXCEED 150 PSI.
6. BUTTRESS TO BE POURED AGAINST FIRM UNDISTURBED SOIL, OR DISTURBED SOIL COMPACTED TO 95% OF MODIFIED PROCTOR DENSITY, ASTM D1557.
7. CONCRETE SHALL HAVE A MINIMUM 7-DAY COMPRESSIVE STRENGTH OF 2000 PSI.

BUTTRESS DIMENSIONS				
DIA.	A	B	C	D
6"	1'-6"	1'-2"	SEE NOTE NO. 1	SEE NOTE NO. 2
8"	2'-0"	1'-4"		
12"	2'-5"	1'-10"		
16"	3'-4"	2'-4"		
20"	4'-3"	2'-10"		
24"	5'-2"	3'-4"		
30"	6'-9"	4'-0"		

BUTTRESS FOR PLUGS DETAIL
SCALE: NONE



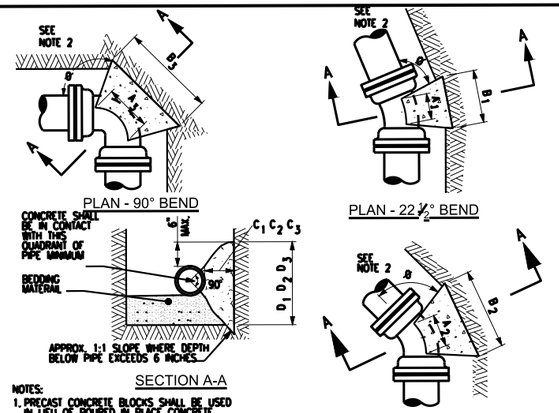
BUTTRESS DIMENSIONS				
B.D	A	B	C	D
6"	1'-3"	1'-0"	SEE NOTE NO. 1	SEE NOTE NO. 3
8"	1'-6"	1'-4"		
10"	1'-10"	1'-8"		
12"	2'-3"	2'-0"		
16"	3'-2"	2'-6"		
20"	4'-0"	3'-0"		
24"	5'-3"	3'-4"		

B.D. = BRANCH DIAMETER

NOTES:

1. PRECAST CONCRETE BLOCKS SHALL BE USED IN LIEU OF POURED-IN-PLACE CONCRETE. PRECAST CONCRETE SHALL BE PLACED TO THE DIMENSIONS SHOWN ON THESE DETAILS. ALL FITTINGS SHALL ALSO RECEIVE MEGA-LUG OR EQUAL JOINT RESTRAINT.
2. DIMENSION 'C' SHOULD BE LARGE ENOUGH TO MAKE ANGLE Θ GREATER THAN OR EQUAL TO 45°.
3. CONCRETE SHOULD BEAR ON THIS QUADRANT OF PIPE AT A MINIMUM.
4. DIMENSION 'D' SHOULD BE AS LARGE AS POSSIBLE BUT CONCRETE SHOULD NOT INTERFERE WITH MECHANICAL JOINTS.
5. BUTTRESS DIMENSIONS ARE BASED ON A SOIL RESISTANCE OF TWO TONS PER SQ. FT. AND A WATER PRESSURE OF 150 PSI. INFORM THE ENGINEER IF ON-SITE SOIL DOES NOT MEET THIS CONDITION OR PRESSURES EXCEED 150 PSI.
6. BUTTRESS TO BE POURED AGAINST FIRM UNDISTURBED SOIL, OR DISTURBED SOIL COMPACTED TO 95% OF MODIFIED PROCTOR DENSITY, ASTM D1557.
7. CONCRETE SHALL HAVE A MINIMUM 7-DAY COMPRESSIVE STRENGTH OF 2000 PSI.

BUTTRESS FOR TEES DETAIL
SCALE: NONE

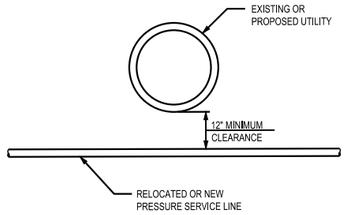


NOTES:

1. PRECAST CONCRETE BLOCKS SHALL BE USED IN LIEU OF POURED IN PLACE CONCRETE. PRECAST CONCRETE BLOCKS SHALL BE PLACED TO THE DIMENSIONS SHOWN ON THESE DETAILS. ALL FITTINGS SHALL ALSO RECEIVE MEGA-LUG OR EQUAL JOINT RESTRAINT.
2. DIMENSIONS IN TABLE ARE BASED ON A WATER PRESSURE OF 150 P.S.I. AND AN EARTH RESISTANCE OF 2 TONS PER SQ. FT. INFORM THE ENGINEER IF PRESSURES EXCEED 150 PSI, OR ON-SITE SOIL DOES NOT MEET THIS CONDITION.
3. DIMENSION Θ ,C1, C2, C3 SHOULD BE LARGE ENOUGH TO MAKE ANGLE Θ EQUAL TO OR LARGER THAN 45°.
4. DIMENSION A ,A1, A2 SHOULD BE AS LARGE AS POSSIBLE WITHOUT INTERFERING WITH THE MECHANICAL JOINT.
5. BUTTRESS TO BE POURED AGAINST FIRM UNDISTURBED SOIL, OR DISTURBED SOIL COMPACTED TO 95% OF MODIFIED PROCTOR DENSITY, ASTM D1557.
6. CONCRETE SHALL HAVE A MINIMUM 7-DAY COMPRESSIVE STRENGTH OF 2000 PSI.

BUTTRESS DIMENSIONS						
PIPE SIZE	22½° BENDS		45° BENDS		90° BENDS	
	B_1	D_1	B_2	D_2	B_3	D_3
6"	1'-0"	1'-0"	1'-0"	1'-0"	1'-4"	1'-2"
8"	1'-0"	1'-0"	1'-4"	1'-2"	1'-10"	1'-6"
10"	1'-2"	1'-2"	1'-7"	1'-7"	2'-3"	1'-10"
12"	1'-4"	1'-4"	1'-10"	1'-10"	2'-8"	2'-3"
16"	1'-10"	1'-8"	2'-6"	2'-4"	3'-10"	2'-10"
20"	2'-4"	2'-0"	3'-3"	2'-10"	5'-0"	3'-4"
24"	2'-10"	2'-4"	4'-0"	3'-3"	6'-4"	3'-10"

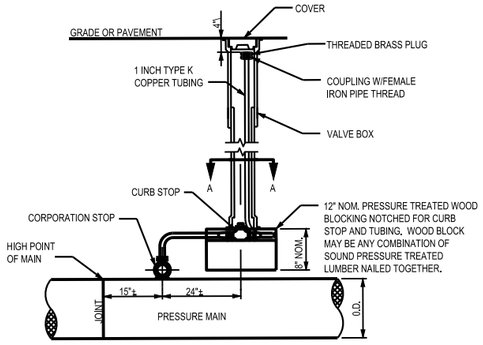
BUTTRESS FOR FORCEMAIN & WATERMAIN BENDS DETAIL
SCALE: NONE

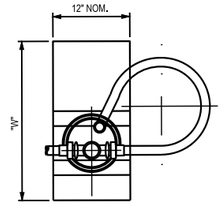


GENERAL NOTES:

1. PIPE INSULATION SHALL BE INSTALLED AS REQUIRED. SEE "PIPE INSULATION DETAIL."

PRESSURE SERVICE CROSSING DETAIL
SCALE: NONE

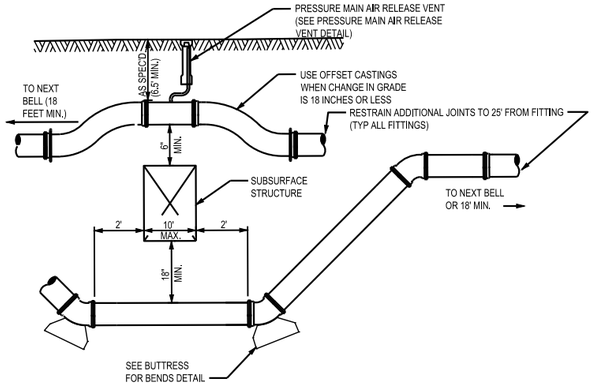




W = PRESSURE MAIN PIPE O.D. + 12 INCHES (24 INCHES MAXIMUM)

SECTION A-A

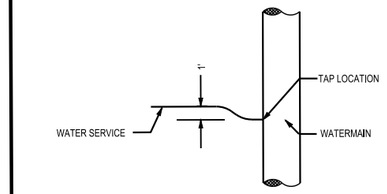
PRESSURE MAIN AIR RELEASE VENT DETAIL
SCALE: NONE



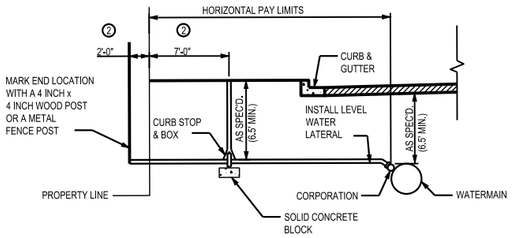
GENERAL NOTES:

1. ALL FITTINGS SHALL BE CONNECTED TO THE PIPE WITH AN APPROVED WEDGE ACTION THRUST RESTRAINING GLAND.
2. LOCATIONS OF EXISTING MAINS ARE APPROXIMATE. LENGTH REQUIRED TO BE LOWERED WILL BE DETERMINED IN THE FIELD.
3. MAINS SHALL BE INSULATED IF COVER IS LESS THAN 6.5 FEET.
4. PROVIDE CONTINUITY STRAPS ACROSS ALL FITTINGS FROM PIPE TO PIPE

PRESSURE MAIN OFFSET DETAIL
SCALE: NONE



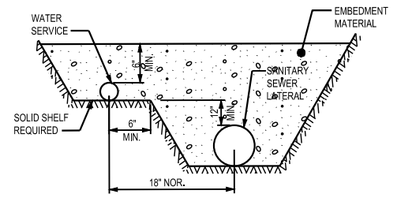
OFFSET DETAIL - PLAN VIEW



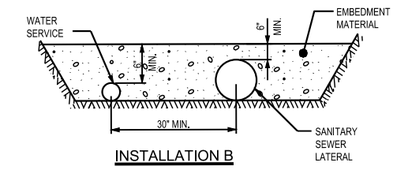
GENERAL NOTES:

1. SEE PLANS AND SPECIFICATIONS FOR SIZE AND TYPE OF CURB STOP AND BOX CORPORATION AND SERVICE LINE.
2. COMMUNITY STANDARDS SHALL SUPERSEDE THE DIMENSIONS FROM THE PROPERTY LINE.

WATER SERVICE DETAIL
SCALE: NONE



INSTALLATION A

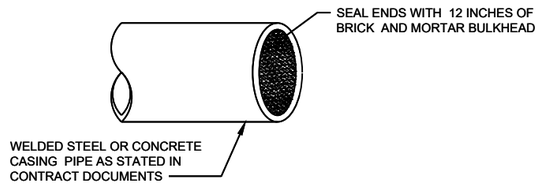


INSTALLATION B

GENERAL NOTES:

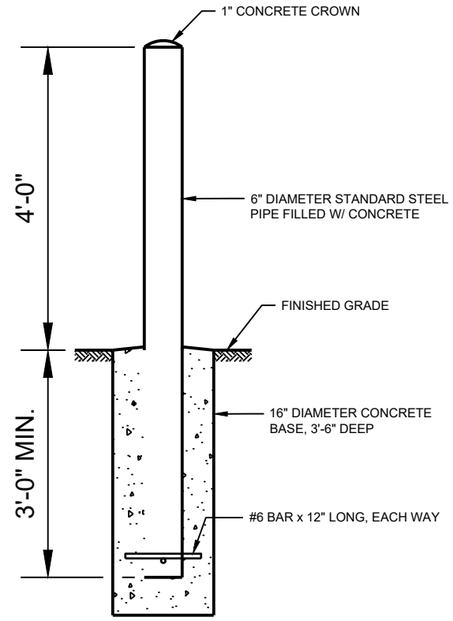
1. DETAILS OF CONSTRUCTION MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING, SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE SPECIFICATIONS.
2. INSTALLATION B SHALL BE USED WHEN THE WATER SERVICE WILL HAVE LESS THAN 12 INCHES VERTICAL SEPARATION ABOVE THE SANITARY SEWER.
3. WATER SERVICES 2 INCHES IN DIAMETER OR LESS SHALL BE INSTALLED AS SHOWN ON THIS DETAIL. WATER SERVICES 2-1/2 INCHES OR LARGER IN DIAMETER SHALL BE INSTALLED AT LEAST 8 FEET HORIZONTALLY FROM ANY SANITARY SEWER.

WATER SERVICE AND SANITARY SEWER LATERAL DETAIL
SCALE: NONE



CASING PIPE END SEAL DETAIL

SCALE: NONE

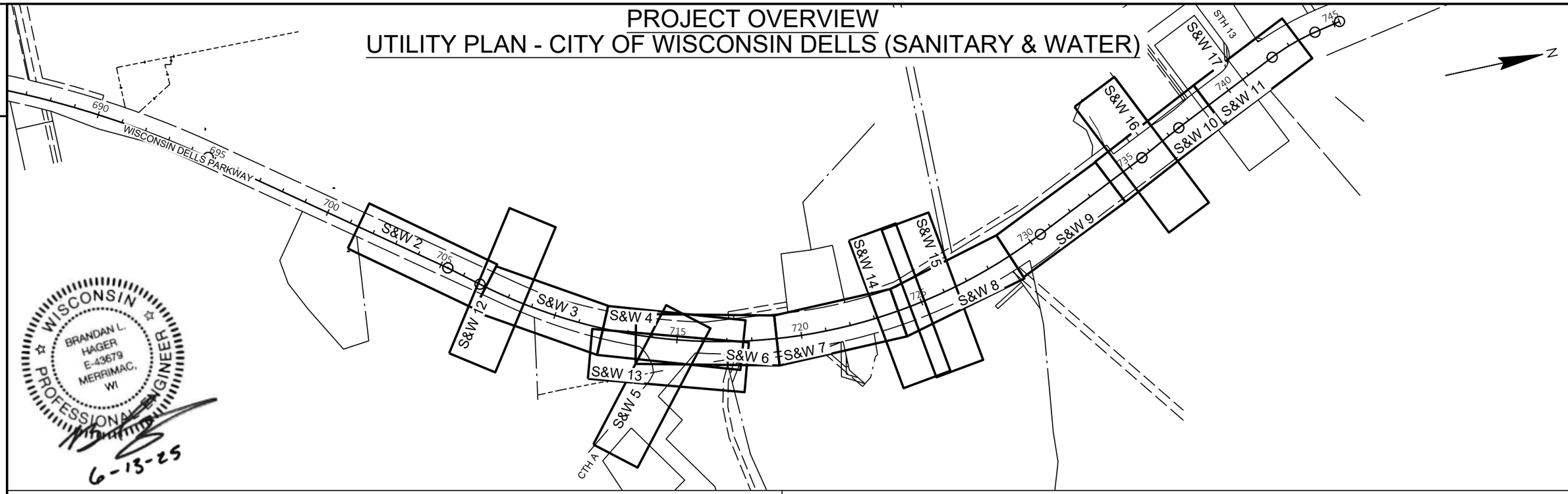


BOLLARD WITH CONCRETE BASE DETAIL

SCALE: NONE

2

PROJECT OVERVIEW
UTILITY PLAN - CITY OF WISCONSIN DELLS (SANITARY & WATER)



WISCONSIN
BRANDAN L. HAGER
E-43679
MERRIMAC, WI
PROFESSIONAL ENGINEER

6-13-25

GENERAL SANITARY AND WATER KEY NOTES:

(1) SYMBOL DENOTES POSSIBLE SANITARY LATERAL. THE SANITARY LATERAL LOCATIONS ARE SHOWN AS PER THE TELEVISION REPORTS SUPPLIED BY THE CITY OR ARE ASSUMED. NOT ALL LOCATIONS MAY BE ACTIVE OR SHOWN ON THIS PLAN. THE CONTRACTOR SHALL CAREFULLY EXCAVATE/EXPOSE THE EXISTING PIPING AND DYE TEST THE LATERALS TO VERIFY WHICH ONES ARE ACTIVE WITHIN THE PROJECT AREA FOR EACH ABUTTING PROPERTY. ONLY ACTIVE LATERALS SHALL BE RECONNECTED UNLESS OTHERWISE NOTED ON THE PLAN OR AS DIRECTED BY THE CITY STAFF DURING CONSTRUCTION. INVESTIGATION AND DYE TESTING BY THE CONTRACTOR FOR ALL LATERALS SHALL BE INCIDENTAL TO THE SANITARY SEWER CONSTRUCTION. THE SIZE REPLACEMENTS FROM THE MAIN TO A POINT NEAR THE R/W LINE AS DIRECTED BY THE FIELD ENGINEER AND/OR CITY STAFF. AT THIS POINT, THE NEW PIPING SHALL BE CONNECTED INTO THE EXISTING PIPING. ALL 4" AND 6" DIAMETER SANITARY LATERAL REPLACEMENTS SHALL BE PAID ACCORDING TO THE SAME GENERIC BID ITEM FOR SANITARY WYE FITTING AND SANITARY LATERAL REPLACEMENT WITH NO DIFFERENTIATION MADE FOR PIPE SIZE. THE CONTRACTOR SHALL COORDINATE WITH THE FIELD ENGINEER AND/OR CITY STAFF DURING CONSTRUCTION REGARDING SANITARY LATERAL RECONSTRUCTION.

(2) SYMBOL DENOTES POSSIBLE WATER SERVICE. THE WATER SERVICE LOCATIONS ARE SHOWN AS PER DIGGERS HOTLINE MARKINGS, LOCATION RECORDS FROM THE CITY, OR ARE ASSUMED. NOT ALL LOCATIONS MAY BE ACTIVE OR SHOWN ON THIS PLAN. THE CONTRACTORS SHALL CAREFULLY EXCAVATE/EXPOSE THE EXISTING PIPING AND VERIFY ALL ACTIVE WATER SERVICES WITHIN THE PROJECT AREA FOR EACH ABUTTING PROPERTY. ONLY ACTIVE WATER SERVICES SHALL BE RECONNECTED UNLESS OTHERWISE NOTED ON THE PLAN OR AS DIRECTED BY THE CITY STAFF DURING CONSTRUCTION. INVESTIGATION AND TESTING BY THE CONTRACTOR FOR ALL SERVICES SHALL BE INCIDENTAL TO THE WATER CONSTRUCTION. THE SIZE OF THE EXISTING WATER SERVICES ARE UNKNOWN.THE CONTRACTOR SHALL HAVE SUFFICIENT AMOUNT OF FITTINGS AND PIPING (RANGING BETWEEN 1.0" TO 2.0" DIAMETER) ON HAND TO MAKE EQUIVALENT SIZE REPLACEMENTS FROM THE MAIN TO A POINT NEAR THE R/W LINE AS DIRECTED BY THE FIELD ENGINEER AND/OR CITY STAFF. AT THIS POINT, THE NEW PIPING SHALL BE CONNECTED INTO THE EXISTING PIPING. ALL WATER SERVICE REPLACEMENT SHALL BE AT LEAST 1-INCH DIAMETER OR LARGER. THE CONTRACTOR SHALL COORDINATE WITH THE FIELD ENGINEER AND/OR CITY STAFF DURING CONSTRUCTION REGARDING WATER SERVICE RECONSTRUCTION.

(3) SYMBOL DENOTES EXISTING SANITARY MANHOLE TO BE REMOVED OR ABANDONED

(4) SYMBOL DENOTES EXISTING WATER VALVE BOX TO BE REMOVED.

(5) SYMBOL DENOTES EXISTING WATER HYDRANT ASSEMBLY (HYDRANT & HYDRANT VALVE BOX) TO BE REMOVED.

(6) SYMBOL DENOTES PROPOSED SANITARY LATERAL AND/OR WATER SERVICE TO BE STUBBED TO A POINT AS SHOWN ON THE CONSTRUCTION PLAN OR AS DIRECTED BY THE CITY STAFF. THE END OF THE LATERAL AND/OR SERVICE SHALL BE CAPPED AND MARKED WITH A 4X4 (PAINTED GREEN OR BLUE, RESPECTIVELY) THAT EXTENDS FROM THE CAP TO APPROX. 12-INCHES BELOW THE FINISHED GROUND.

(7) SYMBOL DENOTES A PROPOSED 18" DIAMETER OR LARGER STORM SEWER PIPE CROSSING OVER A SANITARY SEWER OR WATER UTILITY PIPING WITH LESS THAN 12-INCHES OF VERTICAL SEPARATION. THE CONTRACTOR SHALL FIELD VERIFY THE CROSSING AND SHALL INSTALL CONCRETE BRIDGING PER THE DETAIL SHOWN IN THIS PLAN FOR ALL CROSSINGS WITH A VERTICAL SEPARATION OF 12-INCHES OR LESS. THIS CONCRETE BRIDGING SHALL BE INCIDENTAL TO CONSTRUCTION UNLESS SPECIFICALLY ITEMIZED ON THE PROJECT BID.

GENERAL NOTES:

1. ALL EXISTING UTILITIES WITHIN THIS PLAN ARE SHOWN FOR INFORMATIONAL PURPOSES ONLY AND NO RESPONSIBILITY IS ASSUMED BY THE ENGINEER OR CITY FOR THEIR ACCURACY OR DEGREE OF COMPLETION. THE CONTRACTOR IS RESPONSIBLE FOR MAKING HIS OWN DETERMINATION AS TO THE TYPE, LOCATION, AND ELEVATION OF ALL UNDERGROUND UTILITIES AS MAY BE NECESSARY TO AVOID DAMAGING ANY SUCH UTILITIES. THE CONTRACTOR SHALL CONTACT DIGGER'S HOTLINE AT (800) 242-8511 PRIOR TO ANY CONSTRUCTION SO THAT THE SITE MAY BE MARKED. THE CONTRACTOR SHALL COORDINATE WITH GAS, ELECTRIC, TELEPHONE, AND CABLE TV UTILITIES REGARDING THE DEPTH AND LOCATION OF EXISTING OR PROPOSED UTILITIES. THIS WORK SHALL BE INCIDENTAL TO CONSTRUCTION.
2. VERIFY ALL DIMENSIONS AND ELEVATIONS IN THE FIELD. IF ANY ERRORS, DISCREPANCIES, OR OMISSIONS ARE APPARENT, BRING TO ATTENTION OF THE PROJECT ENGINEER PRIOR TO CONSTRUCTION OF ANYTHING AFFECTED SO THAT CLARIFICATION OR RE-DESIGN MAY OCCUR.
3. EXISTING KNOWN SURVEY MONUMENTS (SHOWN ON THE PLANS) ENCOUNTERED DURING CONSTRUCTION ARE TO BE PRESERVED AND LEFT UNDISTURBED. SHOULD THE CONTRACTOR ENCOUNTER UNKNOWN MONUMENTS, PROPERTY STAKES, ECT. (NOT SHOWN ON THE PLANS), THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER PRIOR TO ANY DISTURBANCE. FAILURE TO PRESERVE SUCH MONUMENTS SHALL NOT BE ALLOWED AND REPLACEMENT BY A REGISTERED LAND SURVEYOR SHALL BE AT THE CONTRACTOR'S EXPENSE.
4. ALL PROPOSED SANITARY SEWER AND WATER UTILITIES SHALL BE INSTALLED IN ACCORDANCE WITH THIS CONSTRUCTION PLAN, THE PROJECT SPECIFICATIONS, THE LATEST EDITION OF THE WISCONSIN STANDARD SPECIFICATIONS FOR SEWER AND WATER CONSTRUCTION, AND ANY CONDITIONS OF APPROVAL.
5. LENGTHS OF ALL UTILITIES ARE TO CENTER OF STRUCTURES AND MAY VARY SLIGHTLY FROM PLAN. LENGTHS SHALL BE VERIFIED IN THE FIELD DURING CONSTRUCTION.
6. TRACER WIRE SHALL BE INSTALLED ALONG ALL SANITARY SEWER, SANITARY LATERALS, WATER MAIN, AND WATER SERVICES (INCIDENTAL TO THE SPECIFIC PIPING). TRACER WIRE SHALL BE SURFACED AT ALL SANITARY MANHOLES, HYDRANTS, WATER SERVICE VALVES/CURB STOPS, AND SANITARY LATERAL TRACER WIRE TERMINAL BOXES. IF THE CURB STOP OR TERMINAL BOX IS LOCATED WITHIN PROPOSED SIDEWALK OR A DRIVEWAY, THE CONTRACTOR SHALL INSTALL INSTALL A STANDARD ADAPTOR (FURNISHED BY WAUPUN UTILITIES) OVER THE CURB STOP/TERMINAL BOX PRIOR TO DRIVEWAY RESTORATION SO THAT THE CONCRETE DOES NOT ADHERE TO THE CURB STOP OR TERMINAL BOX (INCIDENTAL TO CONSTRUCTION)
7. THE NEW WATER MAIN SHALL BE INSTALLED AND TESTED WHILE THE EXISTING WATER MAIN IS STILL IN OPERATION TO KEEP WATER SERVICE TO RESIDENTS AND BUSINESSES FOR AS LONG AS POSSIBLE. THE CONTRACTOR SHALL COORDINATE WITH THE CITY AND/OR FIELD ENGINEER REGARDING DEFLECTING WATER MAIN AND WATER SERVICE PIPING TO AVOID CONFLICTS WITH THE PROP. SANITARY AND STORM IMPROVEMENTS. THE CONTRACTOR SHALL FIELD VERIFY THE LOCATION AND ELEVATION OF WATER CONFECTION POINTS TO THE EXISTING WATER SYSTEM AND SHALL NOTIFY THE ENGINEER OF POSSIBLE HIGH POINTS IN THE WATER MAIN WITHOUT AIR RELEASE. A 7.00 FEET DEPTH OF COVER OVER ALL NEWLY INSTALLED WATER UTILITY PIPING IS DESIRED FOR THIS PROJECT UNLESS DIRECTED OTHERWISE BY THE CITY. NO WATER PIPING SHALL BE INSTALLED WITH A DEPTH OF COVER LESS THAN 5.0 FEET. ALL NEWLY INSTALLED WATER MAIN WITH COVER LESS THAN 7.0 FEET SHALL BE INSULATED ACCORDING TO THE SPECIFICATIONS AND INSULATION DETAIL. INSULATION SHALL ALSO BE INSTALLED AT ALL LOCATIONS WHERE STORM SEWER CROSSES THE WATER MAIN. MINIMUM VERTICAL SEPARATION DISTANCE WHERE WATER MAIN CROSSES OVER SEWER IS 6 INCHES. MINIMUM VERTICAL SEPARATION DISTANCE WHERE WATER MAIN CROSSES UNDER SEWERS IS 18 INCHES. UNLESS PROHIBITED BY FIELD CONDITIONS, THE MINIMUM HORIZONTAL SEPARATION BETWEEN WATER MAIN AND SEWER MAIN PIPING SHALL BE 8 FEET.
8. ALL BENDS, FERNCO CONNECTORS, FITTINGS AND OTHER MATERIALS NOT SPECIFICALLY ITEMIZED ON THE BID BUT NECESSARY TO MAKE A WATERTIGHT CONNECTION TO THE EXISTING SANITARY OR WATER PIPING AS WELL AS TO PROVIDE A COMPLETE WORKING SYSTEM SHALL BE INCIDENTAL TO CONSTRUCTION. ALL SAWCUTTING NECESSARY FOR UTILITY INSTALLATION SHALL BE INCIDENTAL TO CONSTRUCTION. ALL PROPOSED SANITARY SEWER AND WATER PIPING CONNECTIONS INTO EXISTING PIPING OR STRUCTURES SHALL BE INCIDENTAL TO CONSTRUCTION. ALL EXISTING SANITARY SEWER AND WATER PIPE ABANDONMENT AS WELL AS THE REMOVAL OF EX. MANHOLES, HYDRANTS, VALVE BOXES, AND CURB STOPS THAT ARE NO LONGER IN USE SHALL BE INCIDENTAL TO THE LUMP SUM REMOVAL BID ITEMS.

PROJECT NO: 6145-01-84	HWY: USH 12	COUNTY: SAUK	UTILITY PLAN - CITY OF WISCONSIN DELLS (S&W1)	SHEET 275	E

2

EX. R/W

CITY OF WISCONSIN DELLS LIMITS
SEE VILLAGE OF LAKE DELTON UTILITY PLAN

701+00 702+00 703+00 704+00 705+00 706

PI: 706+29.98

MATCHLINE STA. 706+00

STA. 702+10, 32.70' RT, 12 INCH X 6 INCH REDUCER

2 L.F. - WATER MAIN DUCTILE IRON 12-INCH (BEND-REDUCER)

STA. 702+08.00, 32.50' RT, ABANDON EXISTING WATER MAIN

STA. 705+87.23, 30.34' RT, CONNECT
TO EXISTING WATER MAIN

STA. 705+92.59, 30.33 RT,
VALVE AND BOX 12-INCH
T/P = 898.94

STA. 702+00, 34.41' RT, HYDRANT
3 L.F. - WATER MAIN DUCTILE IRON 6-INCH
STA. 702+03, 35.41' RT, VALVE AND BOX 6-INCH
STA. 702+08.00, 32.70' RT, BEND 6-INCH
STA. 702+06.00, 35.38' RT, BEND 6-INCH
3 L.F. - WATER MAIN DUCTILE IRON 6-INCH
BEND TO BEND

EX. R/W

KEYED NOTES
SEE GENERAL
SANITARY AND WATER
NOTES ON S&W1

EXISTING CENTERLINE PROFILE

PROPOSED CENTERLINE PROFILE

STA: 700+50.00
T/P = 873.87
SEE LAKE DELTON PLANS FOR CONTINUATION

878.58 878.19 878.78 882.22 881.76 885.25 884.73 888.29 887.71 891.28 890.68 894.27 893.66 897.28 896.63 900.16 899.53 902.68 902.10 904.80 904.32 906.50 906.18 907.84 907.68

700 701 702 703 704 705 706

PROJECT NO: 6145-01-84	HWY: USH 12	COUNTY: SAUK	UTILITY PLAN - CITY OF WISCONSIN DELLS (S&W2)	SHEET 276	E

FILE NAME : G:\00\00085\00085123\CADD\CONSTRUCTION DOCUMENTS\CENTRAL\050101_PP - MSA WIS DELLS.DWG
LAYOUT NAME - SW2

PLOT DATE : 8/20/2025 10:44 AM PLOT BY : SIERRA PARKER PLOT NAME : PLOT SCALE : 1 IN:40 FT

STA. 707+59.14, 48.96' LT, PLUG 12-INCH
STA. 707+62.20, 49.22' LT, VALVE AND BOX 12-INCH
6 L.F. - WATER MAIN DUCTILE IRON 12-INCH (CROSS-PLUG)
6 L.F. - WATER MAIN DUCTILE IRON 6-INCH

STA. 707+64.81, 62.09' LT, HYDRANT
13 L.F. - WATER MAIN DUCTILE IRON 6-INCH
STA. 707+65.17, 52.31' LT, VALVE AND BOX 6-INCH

STA. 708+48.15, 52.16' LT, CONNECT TO
~~EXISTING~~ WATER MAIN
T/P = FIELD VERIFY

EXISTING WEST WATER MAIN

STR E2
STA. 711+36.81,
65.13' LT, ADJUST
EXISTING MANHOLE
CASTING

81 L.F. - WATER MAIN DUCTILE
IRON 12-INCH (TEE-CONNECT)

STA. 707+65.27, 49.32' LT, CROSS 12-INCH X
6-INCH X 12-INCH X 12-INCH
STA. 707+68.34, 49.41'LT, VALVE AND BOX
12-INCH

STR E1
STA. 709+27.54,
58.28' LT, ADJUST
EXISTING MANHOLE
CASTING

STR E4A
STA. 710+03.52, 17.37' LT,
ABANDON EXISTING
SANITARY MANHOLE

STR E4
STA. 711+98.72, 19.91' LT,
ABANDON EXISTING
SANITARY MANHOLE

SEE S&W 12 FOR
CROSSING DETAILS

78 L.F. CASING PIPE RCP 30-INCH

71 L.F. - WATER MAIN
DUCTILE IRON RESTRAINED
JOINT 12-INCH

EXISTING EAST
WATER MAIN

182 L.F. - WATER MAIN DUCTILE IRON 12-INCH (CONNECT-TEE)

93 L.F. - WATER MAIN DUCTILE IRON 12-INCH (TEE-BEND)

ABANDON EX
SANITARY
SEWER CLSM

STA. 706+44.45, 28.13' RT,
ABANDON EXISTING WATER MAIN

138 L.F. - WATER MAIN DUCTILE IRON 12-INCH (BEND-BEND)

205 L.F. - WATER MAIN DUCTILE IRON (BEND-BEND)

STA. 707+64.84, 31.36 RT, VALVE AND BOX 12-INCH
STA. 707+67.70, 28.48'RT. VALVE AND BOX 12-INCH
STA. 707+67.79, 31.50' RT, TEE 12-INCH X 12-INCH
STA. 707+70.75, 31.40' RT, VALVE AND BOX 12-INCH

STA 711+96.83, 29.90' RT,
BEND 12-INCH

6 L.F. - WATER MAIN DUCTILE IRON 12-INCH (TEE-REDUCER)
5 L.F. - WATER MAIN DUCTILE IRON 6-INCH (REDUCER - HYDRANT)
STA. 708+46.21, 31.28' RT, TEE 12-INCH X 12-INCH
STA. 708+46.16, 36.35' RT, 12-INCH X 6-INCH REDUCER
STA. 708+46.12, 38.35' RT, VALVE AND BOX 6-INCH
STA. 708+46.08, 41.28' RT, HYDRANT

STA. 709+94.63, 31.40' RT,
BEND 12-INCH

STA. 708+58.23, 31.48' RT,
BEND 12-INCH

4B SAN. SEWER MH (48 IN)
STA = 708+58.51 @ 39.47' RTT

4A SAN. SEWER MH (48 IN)
STA = 709+94.73 @ 39.41' RTT

SAN. SEWER MH (48 IN) 4
STA = 711+96.72 @ 37.90' RTT

KEYED NOTES
SEE GENERAL
SANITARY AND WATER
NOTES ON S&W1

MATCHLINE STA. 706+00

MATCHLINE STA. 712+00

PC. 706+74.15

EX. R/W

TLE

EX. TAW

706+00

707+00

708+00

709+00

710+00

711+00

712

4A SAN. SEWER MH (48 IN)
STA = 709+94.73 @ 39.41' RT
RIM = 911.81
I.E. = 898.31 (8" NE)
I.E. = 898.41 (8" SW)

4 SAN. SEWER MH (48 IN)
STA = 711+96.72 @ 37.90' RT
RIM = 912.02
I.E. = 897.49 (8" SW)
I.E. = 897.39 (8" NE)

4B SAN. SEWER MH (48 IN)
STA = 708+58.51 @ 39.47' RT
RIM = 910.96
I.E. = 898.96 (8" NE)

EXISTING CENTERLINE PROFILE

PROPOSED CENTERLINE PROFILE

STA. 707+65.27
CROSS 12-INCH X 6-INCH
X 12-INCH X 12-INCH
12-INCH T/P = 903.60

WEST WATER MAIN TOP

0.03%

0.06%

STA. 707+67.79
TEE 12-INCH X 12-INCH
12-INCH T/P = 900.58

EAST WATER MAIN TOP

EXISTING WATER MAIN
EAST

EXISTING WATER MAIN
WEST

139 L.F. - 8 IN. PVC @-0.40%

206 L.F. - 8 IN. PVC @-0.40%

907.84	907.68	908.92	908.84	909.74	909.63	910.39	910.08	910.77	910.33	910.98	910.58	911.04	910.83	911.16	911.08	911.30	911.29	911.31	911.36	911.18	911.27	911.02	911.03	910.77	910.67
706		707		708		709		710		711		712											

PROJECT NO: 6145-01-84	HWY: USH 12	COUNTY: SAUK	UTILITY PLAN - CITY OF WISCONSIN DELLS (S&W3)	SHEET 277	E

FILE NAME : G:\00\00085\00085123\CADD\CONSTRUCTION DOCUMENTS\CENTRAL\050101_PP - MSA WIS DELLS.DWG
LAYOUT NAME - SW3

PLOT DATE : 8/20/2025 10:44 AM PLOT BY : SIERRA PARKER PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 41

TOP SECRET

EX. R/W

STR E3A
STA. 713+32.67, 69.64' LT, ADJUST
EXISTING MANHOLE CASTING

WEST WATER MAIN

STR E4
STA. 715+35.43, 75.25' LT, ADJUST
EXISTING MANHOLE CASTING

STA. 713+89.46, 23.37' RT,
ABANDON EX SANITARY
SEWER CLSM

STR E3
STA. 713+94.86, 23.72' RT,
ABANDON EXISTING
SANITARY MANHOLE

MATCHLINE STA. 712+00

MATCHLINE STA. 717+00

713+00

714+00

715+00

716+00

EAST WATER MAIN

19 L.F. - WATER MAIN DUCTILE
IRON 12-INCH (TEE-BEND)

181 L.F. - WATER MAIN DUCTILE IRON 12-INCH (BEND TO TEE)

STA. 713+94.86, 23.72' RT, CONNECT TO
EXISTING SANITARY SEWER SERVICE

3 SAN. SEWER MH (48 IN)
STA = 713+92.51 @ 40.71' RTT

11B SAN. SEWER MH (48 IN)
STA = 715+52.54 @ 41.39' RTT

11A SAN. SE
STA = 7

STA. 713+75.19, 47.73' RT, HYDRANT
STA. 713+75.97, 33.71' RT, VALVE AND BOX 6-INCH
STA. 713+76.16, 30.03' RT, 12"X6" TEE 12-INCH X 6-INCH X 12-INCH
18 L.F. - WATER MAIN DUCTILE IRON 6-INCH

47 L.F. - WATER MAIN DUCTILE
IRON 12-INCH (BEND-VALVE)

50 L.F. - 10 IN.

11 SAN. SEW
STA = 716
RIM = 904.2
I.E. = 889.01
I.E. = 889.01

11 L.F. - WATER MAIN DUCTILE
IRON 12-INCH (VALVE-BEND)

NATURA TREESCAPE
RESORT

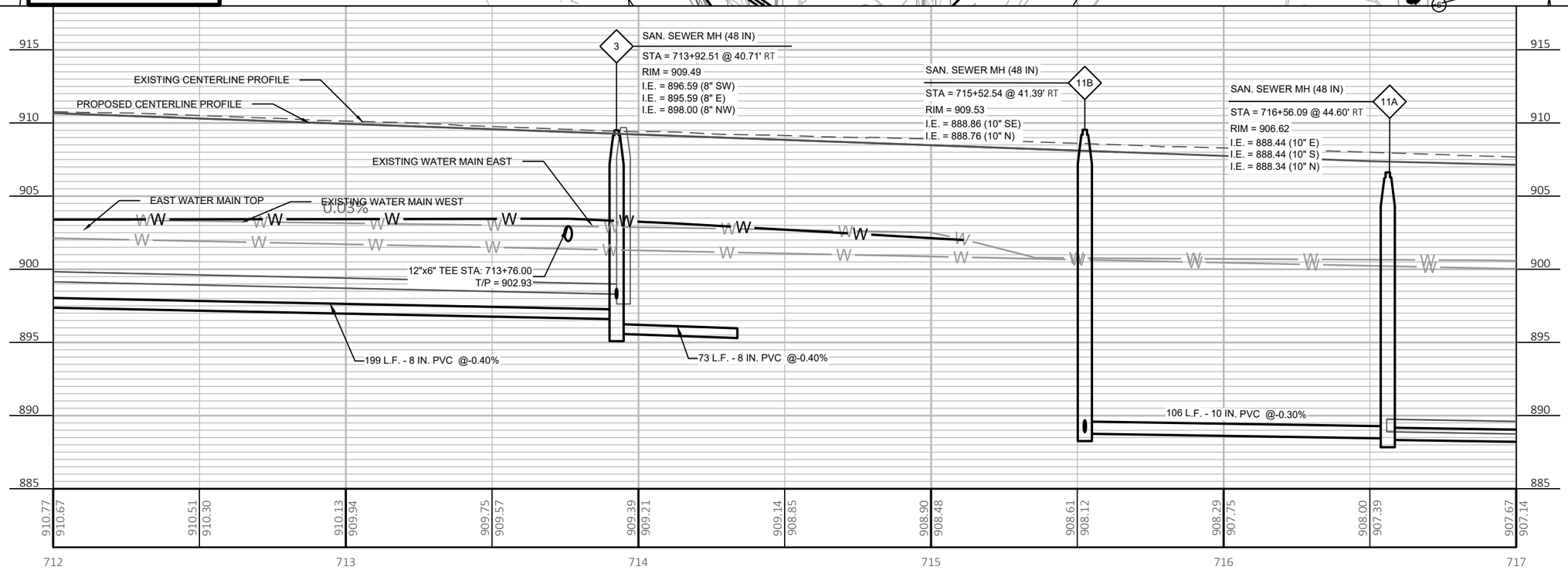
ABANDON EX
SANITARY SEWER
CLSM

STA. 713+95.08, 30.76' RT,
BEND 12-INCH
T/P = 902.40

STA. 714+21.78, 68.46' RT,
VALVE AND BOX 12-INCH

STA. 714+27.72, 77.08' RT, BEND 12-INCH

1 2 3 4 5 6 7 KEYED NOTES
SEE GENERAL
SANITARY AND WATER
NOTES ON S&W1



PROJECT NO: 6145-01-84	HWY: USH 12	COUNTY: SAUK	UTILITY PLAN - CITY OF WISCONSIN DELLS (S&W4)	SHEET 278	E

FILE NAME : G:\00\00085\00085123\CADD\CONSTRUCTION DOCUMENTS\CENTRAL\050101_PP - MSA WIS DELLS.DWG
LAYOUT NAME - SW4

PLOT DATE : 8/20/2025 10:44 AM PLOT BY : SIERRA PARKER PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 41

2

STA 71+08.54, 43.68' LT, CONNECT TO EXISTING WATER MAIN
8 .F. - WATER MAIN DUCTILE IRON 12-INCH (BEND-CONNECTION)

STA 71+16.74, 38.48' LT, ABANDON EXISTING WATER MAIN

STA. 73+19.88, 27.64' LT, HYDRANT
14 L.F. - WATER MAIN DUCTILE IRON 6-INCH
STA. 73+20.09, 8.52' LT, VALVE AND BOX 6-INCH
STA. 73+20.13, 5.50' LT, TEE 12-INCH X 6-INCH X 12-INCH

STA 71+05.93, 39.18' LT, ABANDON EXISTING WATER MAIN

SAN. SEWER MH (48 IN) 11B
STA = 70+40.38 @ 84.11' LTT

STA. 71+19.28, 31.32' LT, VALVE AND BOX 12-INCH
STA. 71+20.44, 27.31' LT, VALVE AND BOX 12-INCH
STA. 71+21.60, 29.99' LT, TEE 12-INCH X 12-INCH X 12-INCH
STA.71+24.13, 28.58' LT, VALVE AND BOX 12-INCH
8 .F. - WATER MAIN DUCTILE IRON 12-INCH (TEE-BEND)

SAN. SEWER MH (48 IN) 1A
STA = 73+40.67 @ -29.57' LT
RIM = 907.03
I.E. = 890.25 (8" SW)
I.E. = 895.94 (8" NE)
I.E. = 890.35 (8" NE)

CONNECT TO EXISTING SANITARY SEWER

STA. 73+53.00, 5.50'LT, VALVE AND BOX 12-INCH
STA. 73+55.89, 14.88' LT, BEND 12-INCH
STA. 73+56.00, 5.50' LT, TEE 12-INCH X 12-INCH X 12-INCH
STA. 73+59.00, 5.50' LT, VALVE AND BOX 12-INCH
STA. 73+65.53, 23.92' LT, BEND 12-INCH
STA. 73+65.63, 26.92' LT, VALVE AND BOX 12-INCH
STA. 73+65.72, 29.91' LT, REDUCER 12-INCH X 8-INCH
STA. 73+65.72, 29.91' LT, CONNECT TO EXISTING WATER MAIN

STA. 71+13.97, 40.22' LT, BEND 12-INCH
7 .F. - WATER MAIN DUCTILE IRON 12-INCH (TEE-BEND)
STA. 71+15.50, 33.60' LT, BEND 12-INCH

211 L.F. - WATER MAIN DUCTILE IRON 12-INCH (TEE-TEE)

29 L.F. WATER MAIN DUCTILE IRON 12-INCH (TEE-CONNECTION)

76 L.F. - CASING PIPE RCP 30-INCH

87 L.F. - WATER MAIN RESTRAINED JOINT DUCTILE IRON12-INCH (BEND-TEE)

SEE S&W 13 FOR CROSSING DETAILS

STA. 73+81.23, 13.15' LT, ABANDON EXISTING WATER MAIN

ALLIANT ENERGY GAS

SAN. SEWER MH (48 IN) 2
STA = 71+57.35 @ 16.03' RT

STA. 73+85.90, 13' LT, BEND 12-INCH
STA. 73+78, 5.50'LT, BEND 12-INCH
39 L.F. - WATER MAIN DUCTILE IRON 12-INCH (TEE-CONNECTION)

SAN. SEWER MH (48 IN) 3A
STA = 71+01.12 @ 38.20' RTT

ABANDON EX SANITARY SEWER CLSM

36 LF 12" DIWM (TEE-TEE)

STA. 73+91.89, 12.79' LT, CONNECT TO EXISTING WATER MAIN

SAN. SEWER MH (48 IN) 2A
STA = 71+21.89 @ 55.25' RT
RIM = 908.76
I.E. = 899.51 (10" N)
I.E. = 900.37 (10" S)
I.E. = 900.37 (10" S)

STA. 73+42.07, 23.48' RT, CONNECT TO EXISTING SANITARY SEWER

CONNECT TO EXISTING SANITARY SEWER

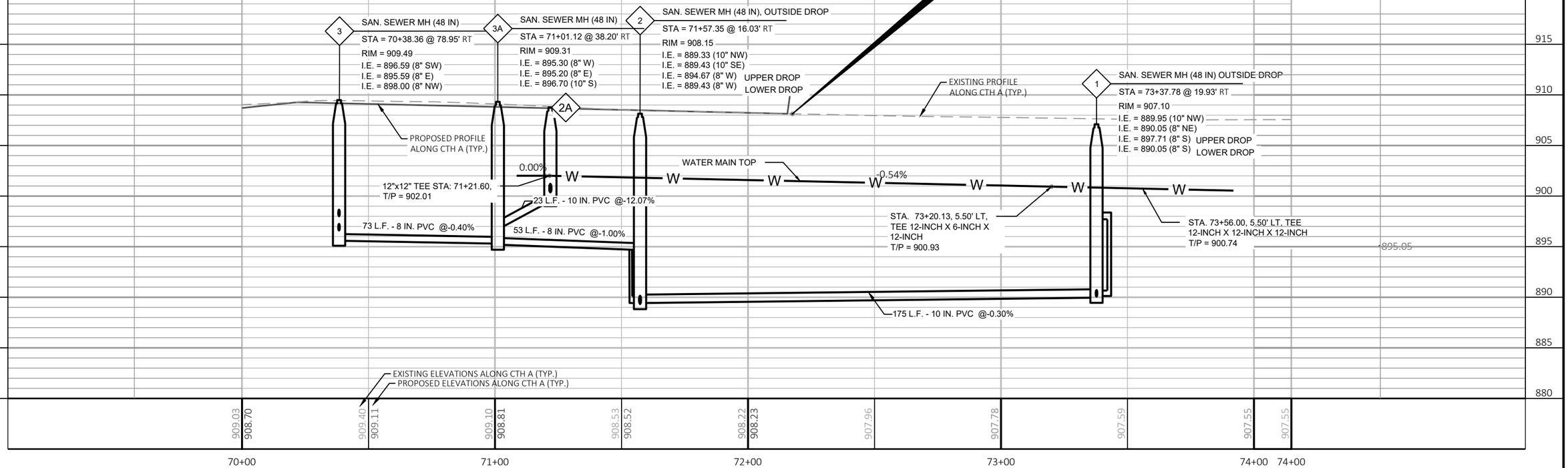
SAN. SEWER MH (48 IN) OUTSIDE DROP 1
STA = 73+37.78 @ 19.93' RT

KEYED NOTES
SEE GENERAL SANITARY AND WATER NOTES ON S&W1

STA. 70+76.06, 44.16' RT, BEND 12-INCH

DOT END PROJECT 6145-01-72
STA. 72+17.54

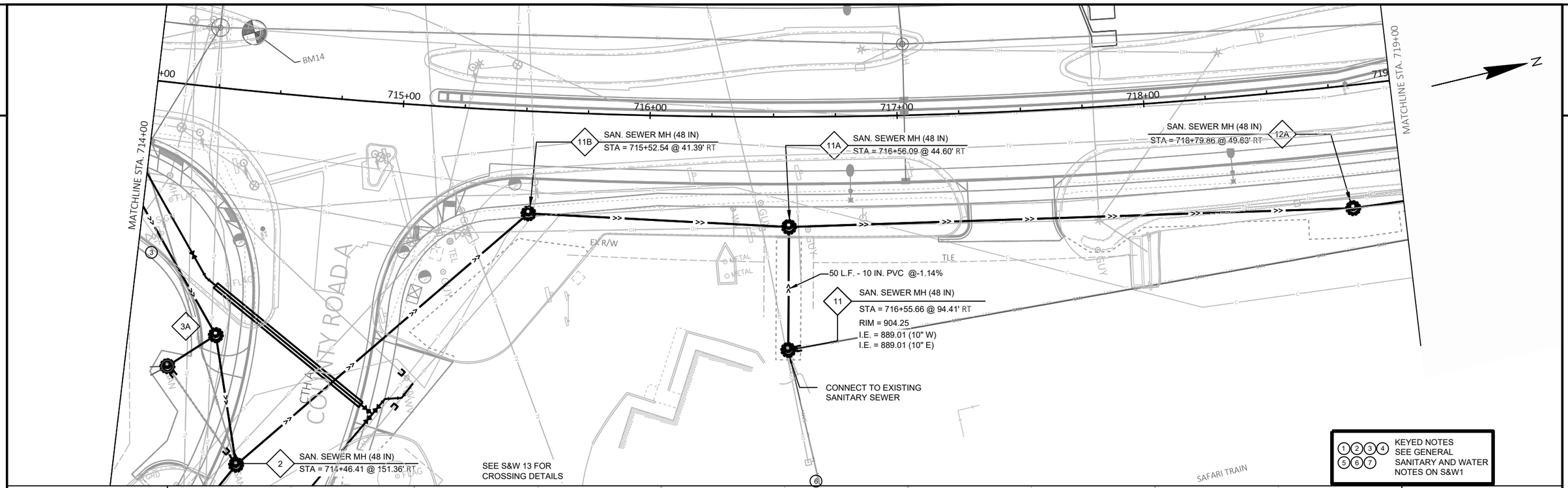
USH 12 (WISCONSIN DELLS PARKWAY)
CTH A
BM14
EX. R/W
TLE
TV
W
12"W
8"W
715+00
716+00
714+00
BP: 70+00.00
PC: 70+89.13
PT: 71+
BP: 73+14.77
70+00
71+00
72+00
73+00
74+00

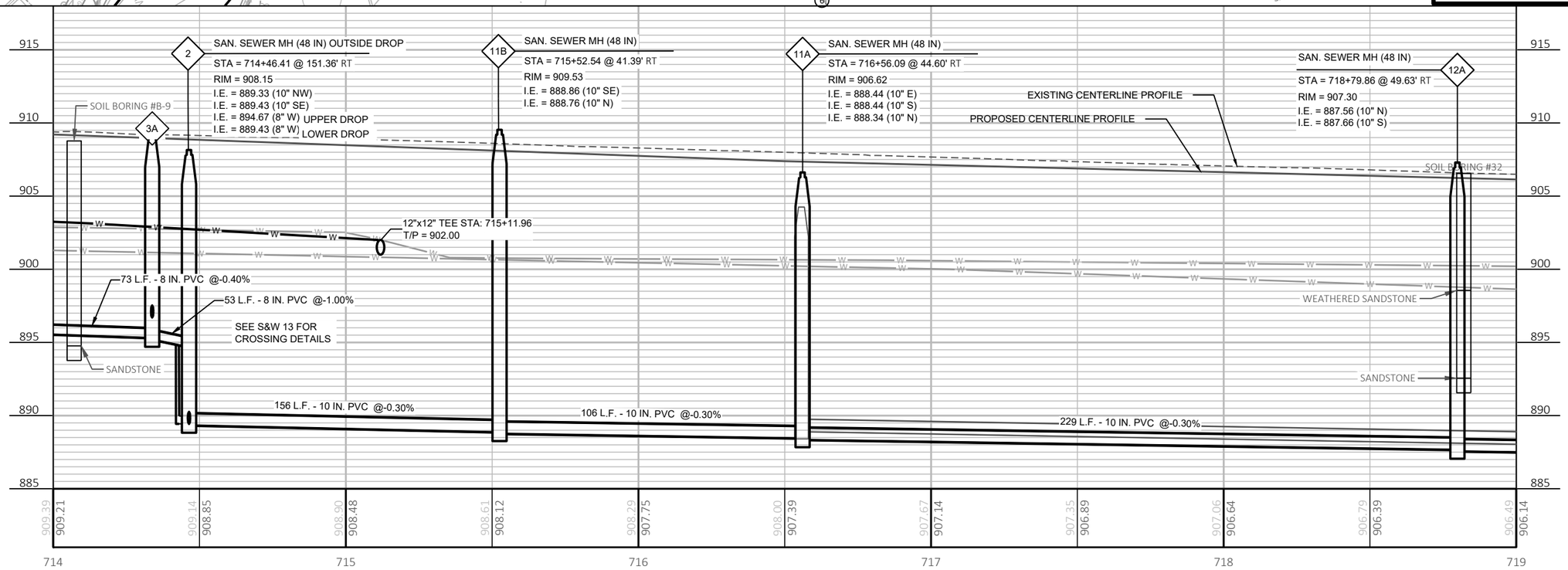


PROJECT NO: 6145-01-84	HWY: USH 12	COUNTY: SAUK	UTILITY PLAN - CITY OF WISCONSIN DELLS (S&W5)	SHEET 279	E

FILE NAME : G:\00\00085\00085123\CADD\CONSTRUCTION DOCUMENTS\CENTRAL\050103_PP - MSA WIS DELLS.DWG
LAYOUT NAME - 050107_pp

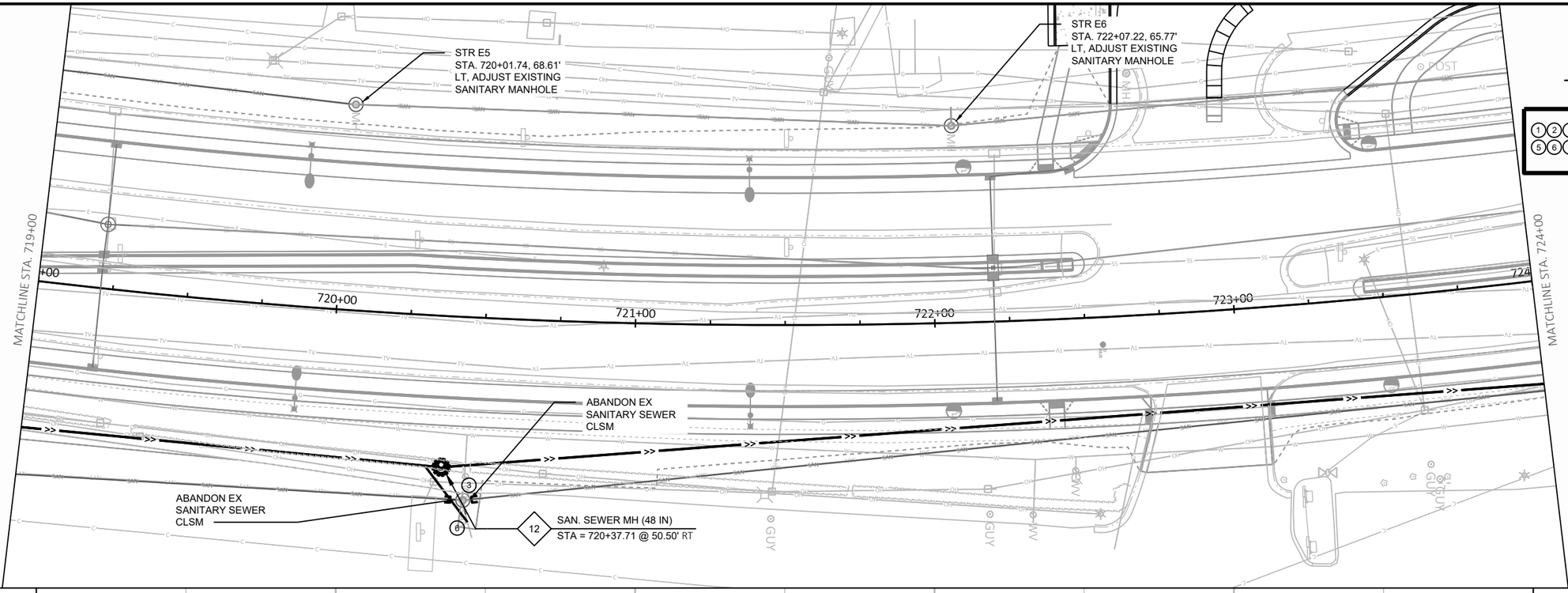
PLOT DATE : 8/20/2025 10:45 AM PLOT BY : SIERRA PARKER PLOT NAME : PLOT SCALE : 1 IN:40 FT

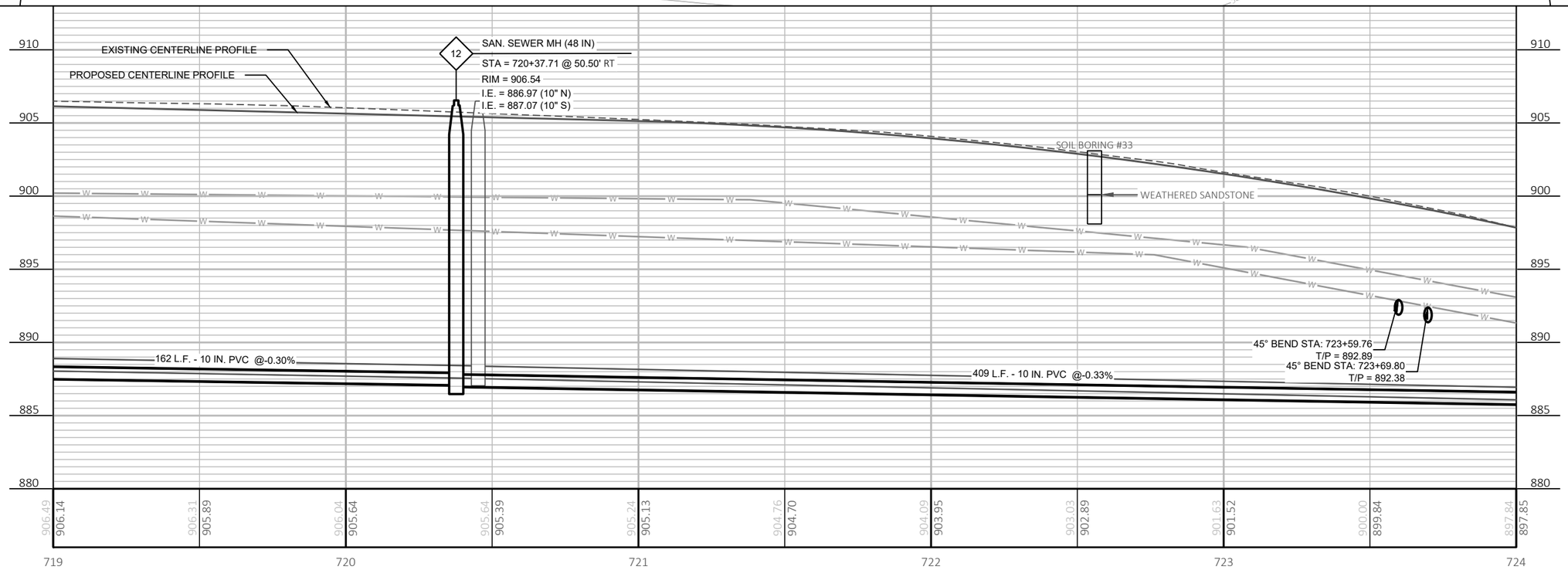




PROJECT NO: 6145-01-84	HWY: USH 12	COUNTY: SAUK	UTILITY PLAN - CITY OF WISCONSIN DELLS (S&W6)	SHEET 280	E

FILE NAME : G:\00\00085\00085123\CADD\CONSTRUCTION DOCUMENTS\NORTH\050101_PP - MSA WIS DELLS.DWG
LAYOUT NAME - SW6
PLOT DATE : 8/20/2025 10:46 AM
PLOT BY : SIERRA PARKER
PLOT NAME :
PLOT SCALE : 1 IN:40 FT





PROJECT NO: 6145-01-84	HWY: USH 12	COUNTY: SAUK	UTILITY PLAN - CITY OF WISCONSIN DELLS (S&W7)	SHEET 281	E

FILE NAME : G:\00\00085\00085123\CADD\CONSTRUCTION DOCUMENTS\NORTH\050101_PP - MSA WIS DELLS.DWG
LAYOUT NAME - SW7

PLOT DATE : 8/20/2025 10:46 AM PLOT BY : SIERRA PARKER PLOT NAME : PLOT SCALE : 1 IN:40 FT

STA. 724+12.32, 26.73' LT, CONNECT TO EXISTING SANITARY SEWER
26 L.F. - SANITARY SEWER 8-INCH

STA. 724+30.22, 72.64' LT, TEE 8-INCH X 8-INCH X 8-INCH

STA. 724+25.65, 76.61' LT, VALVE AND BOX 8-INCH

STA. 724+31.55, 79.04' LT, VALVE AND BOX 8-INCH

STA. 724+21.27, 73.12' LT, CONNECT TO EXISTING WATER MAIN
12 L.F. - WATER MAIN DUCTILE IRON 8-INCH (TEE - CONNECT)

STA 724+32.52, 85.05' LT, CONNECT TO EXISTING WATER MAIN
13 L.F. - WATER MAIN DUCTILE IRON 8-INCH (TEE-CONNECT)

9 SAN. SEWER MH (48 IN) - DROP
STA = 724+38.50 @ 64.63' LT

17 L.F. - WATER MAIN DUCTILE IRON 8-INCH (TEE - BEND)

71 L.F. - 8 IN. PVC @-0.83%

10 SAN. SEWER MH (48 IN)
STA = 725+11.93 @ 66.45' LT

259 L.F. WATER MAIN DUCTILE IRON 8-INCH (TEE-BEND)

6 SAN. SEWER MH (48 IN)
STA = 727+78.11 @ 65.56' LT

8" VALVE AND BOX STA. 728+89.67 @ 56.65' LT

STA 724+48.17, 72.63' LT, BEND 8-INCH
STA 724+63.54, 57.60' LT, BEND 8-INCH
22 L.F. - WATER MAIN DUCTILE IRON 8-INCH (BEND - BEND)

STA. 725+11.96, 57.45' LT, TEE 12-INCH X 8-INCH X 12-INCH
STA. 725+11.98, 54.45' LT, VALVE AND BOX 12-INCH
STA. 725+15.05, 57.46' LT, VALVE AND BOX 8-INCH

48 L.F. - WATER MAIN DUCTILE IRON 8-INCH (BEND - TEE)

STA. 727+78.11, 57.48' LT, BEND 8-INCH

MATCHLINE STA. 724+00

101 L.F. - SANITARY SEWER C900 RESTRAINED JOINT 8-INCH

80 L.F. - CASING PIPE RCP 30-INCH

80 L.F. - CASING PIPE RCP 24-INCH

106 L.F. - WATER MAIN DUCTILE IRON RESTRAINED JOINT 12-INCH (TEE - TEE)

MATCHLINE STA. 729+00

SEE S&W 14 FOR CROSSING DETAILS

SEE S&W 16 FOR CROSSING DETAILS

STR E13
ABANDON EX SANITARY SEWER
CLSM

STA. 725+09.43, 48.41' RT, VALVE AND BOX 12-INCH
STA. 725+12.36, 45.42' RT, VALVE AND BOX 12-INCH
STA. 725+12.37, 48.42' RT, TEE 12-INCH X 12-INCH X 12-INCH
STA. 725+15.33, 48.43' RT, VALVE AND BOX 12-INCH

STR E8
STA. 728+84.20, 35.91' LT,
ADJUST EXISTING SANITARY MANHOLE

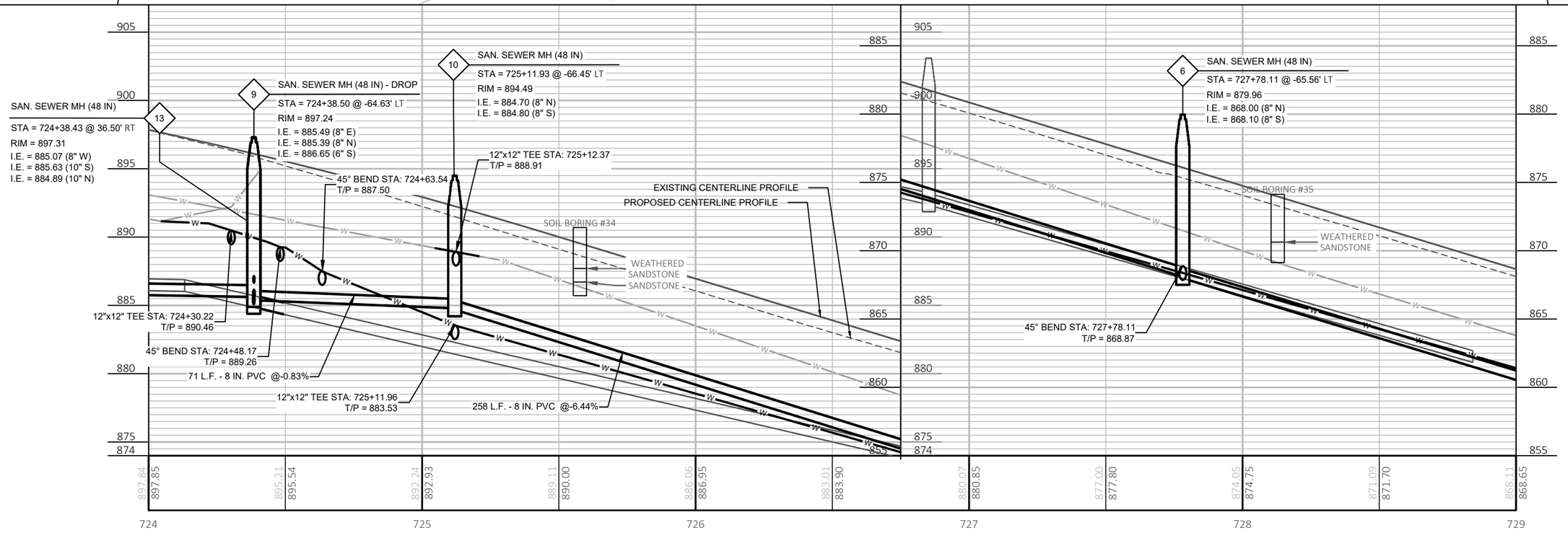
STA. 724.49.43, 36.05' RT, CONNECT TO EXISTING SANITARY SEWER

STR E7
STA. 726+85.22, 44.45' LT,
ADJUST EXISTING SANITARY MANHOLE

STA. 725+06.61, 48.41' RT, CONNECT TO EXISTING WATER MAIN
6 LF 12" DIWM (TEE TO CONNECTION)
6 LF 12" DIWM (TEE TO CONNECTION)
STA. 725+18.25, 48.44' RT, CONNECT TO EXISTING WATER MAIN

13 SAN. SEWER MH (48 IN)
STA = 724+38.43 @ 36.50' RT

KEYED NOTES
SEE GENERAL SANITARY AND WATER NOTES ON S&W1



PROJECT NO: 6145-01-84	HWY: USH 12	COUNTY: SAUK	UTILITY PLAN - CITY OF WISCONSIN DELLS (S&W8)	SHEET 282	E

FILE NAME : G:\00\00085\00085123\CADD\CONSTRUCTION DOCUMENTS\NORTH\050101_PP - MSA WIS DELLS.DWG
LAYOUT NAME - SW8

PLOT DATE : 8/20/2025 10:46 AM PLOT BY : SIERRA PARKER PLOT NAME : PLOT SCALE : 1 IN:40 FT

216 L.F. - WATER MAIN DUCTILE IRON 8-INCH (BEND-TEE)

STA. 730+00.00, 64.02' LT, HYDRANT
STA. 730+00.00, 60.40' LT, VALVE AND BOX 6-INCH
STA. 730+00.00, 57.50' LT, TEE 8-INCH X 6-INCH X 8-INCH
STA. 730+03.00, 57.56' LT, VALVE AND BOX 8-INCH
7 L.F. - WATER MAIN DUCTILE IRON 6-INCH

5 SAN. SEWER MH (48 IN)
STA = 731+20.37 @ 65.50' LT

STA. 733+61.56, 72.09" LT, CONNECT TO EXISTING WATER MAIN
3 L.F. - WATER MAIN DUCTILE IRON 8-INCH (BEND-CONNECT)
STA. 733+68.30, 72.12' LT, CONNECT TO EXISTING WATER MAIN
18 L.F. - WATER MAIN DUCTILE IRON 8-INCH (CONNECT-BEND)

CONNECT TO EXISTING SANITARY MANHOLE

255 L.F. - 8 IN. PVC @-6.22%

343 L.F. - WATER MAIN DUCTILE IRON 8-INCH (TEE-BEND)

STA. 733+44.48, 57.50' LT, BEND 8-INCH
STA. 733+58.95, 71.98' LT, BEND 8-INCH
20 L.F. - WATER MAIN DUCTILE IRON 8-INCH (BEND-BEND)

CITY OF WISCONSIN DELLS STORM

PT: 730+49.86

STA. 733+86.09, 72.79' LT, BEND 8-INCH
22 L.F. - WATER MAIN DUCTILE IRON 8-INCH (BEND-BEND)

MATCHLINE STA. 729+00

730+00 731+00 732+00 733+00 734

MATCHLINE STA. 734+00

STR E9
STA. 730+76.81, 42.56' RT,
ADJUST EXISTING
SANITARY MANHOLE

ABANDON SANITARY SEWER

3

16A

EXISTING SANITARY MANHOLE
STA = 732+75.96 @ 49.09' RT
16

BM15

ADJUST EXISTING SANITARY MANHOLE
CONNECT TO EXISTING SANITARY MANHOLE
EL: 837.49

1 2 3 4 5 6 7 KEYED NOTES SEE GENERAL SANITARY AND WATER NOTES ON S&W1

EXISTING CENTERLINE PROFILE
PROPOSED CENTERLINE PROFILE

SAN. SEWER MH (48 IN)
STA = 731+20.37 @ -65.50' LT
RIM = 860.82
I.E. = 847.00 (8" NW)
I.E. = 847.10 (8" S)
5

8"x6"x8" TEE STA: 730+00.00
T/P = 855.86

SOIL BORING #36

WEATHERED SANDSTONE

334 L.F. - 8 IN. PVC @-6.26%

16

SAN. SEWER MH (48 IN)
STA = 733+75.56 @ 39.32' RT
RIM = 840.83
I.E. = 829.80 (12" NW)
I.E. = 829.90 (10" SE)
I.E. = 830.00 (12" SW)
16A

45° BEND STA: 733+86.14
T/P = 832.75

45° BEND STA: 733+58.24
T/P = 834.43

45° BEND STA: 733+43.98
T/P = 835.28

100 L.F. - 10 IN. PVC @-7.58%

868.11	868.65	865.03	865.60	861.82	862.55	858.87	859.50	855.93	856.45	852.93	853.40	849.84	850.35	846.90	847.30	844.02	844.25	841.12	841.31	838.43	838.75

729 730 731 732 733 734

PROJECT NO: 6145-01-84	HWY: USH 12	COUNTY: SAUK	UTILITY PLAN - CITY OF WISCONSIN DELLS (S&W9)	SHEET 283	E

FILE NAME : G:\00\00085\00085123\CADD\CONSTRUCTION DOCUMENTS\NORTH\050101_PP - MSA WIS DELLS.DWG
LAYOUT NAME - SW9
PLOT DATE : 8/20/2025 10:46 AM PLOT BY : SIERRA PARKER PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 41

2

18 L.F. - 12 IN. PVC @-0.38%
SAN. SEWER MH (48 IN)
STA = 735+49.54 @ 74.23' LT
19A
175 L.F. - 8 IN. PVC @-5.96%
124 L.F. - WATER MAIN DUCTILE IRON 8-INCH (BEND-BEND)
STA. 734+02.50, 57.50' LT, BEND 8-INCH
STA. 735+24.98, 57.43' LT, BEND 8-INCH
STA. 735+43.39, 66.06' LT,BEND 8-INCH
STA. 735+46.44, 66.14' LT, REDUCER 12-INCH X 8-INCH
20 L.F. - WATER MAIN DUCTILE IRON 8-INCH (BEND-BEND)
3 L.F. - WATER MAIN DUCTILE IRON 8-INCH (BEND-REDUCER)
80 L.F. - CASING PIPE RCP 30-INCH
115 L.F. - SANITARY SEWER C900 RESTRAINED JOINT 12-INCH
E19
STA. 735+69.01, 81.19' LT, CONNECT TO EXISTING SANITARY MANHOLE CORE & BOOT
STA. 737+88.79, 66.03' LT, BEND 12-INCH
STA. 738+04.82, 82.06' LT, BEND 12-INCH
23 L.F. - WATER MAIN DUCTILE IRON12-INCH (BEND - BEND)
207 L.F. 12" DIWM (TEE TO BEND)
E20
STR E20
STA. 738+40.77, 73.10' LT, ADJUST EXISTING SANITARY MANHOLE
STA. 735+84.44, 66.67' LT, TEE 12-INCH X 6-INCH X 12-INCH
STA. 735+84.56, 69.17' LT, VALVE WITH BOX 6-INCH
STA. 735+84.71, 72.78' LT, HYDRANT
STA. 735+87.44, 66.24' LT, VALVE WITH BOX 12-INCH
6 L.F. - WATER MAIN DUCTILE IRON 6-INCH
18 L.F. - WATER MAIN DUCTILE IRON 12-INCH (REDUCER TO TEE)
STA 735+60.95, 66.52' LT, VALVE WITH BOX 12-INCH
STA 735+66.18, 66.42' LT, TEE 12-INCH X 12-INCH X 12-INCH
4 L.F. - WATER MAIN DUCTILE IRON 12-INCH (TEE TO VALVE)
STA 735+65.77, 62.62' LT, VALVE WITH BOX 12-INCH
18 L.F. - WATER MAIN DUCTILE IRON 12-INCH (TEE TO TEE)
STA 735+65.77, 62.62' LT, CONNECT TO EX WATER MAIN
ABANDON EX SANITARY SEWER CLSM
ABANDON SANITARY SEWER
E17
CONNECT TO EXISTING SANITARY SEWER
SAN. SEWER MH (48 IN)
STA = 738+76.60 @ 45.25' RT
18A
ABANDON SANITARY SEWER
E18
SAN. SEWER MH (48 IN)
STA = 735+49.44 @ 40.65' RT
17A
SAN. SEWER MH (48 IN)
STA = 737+76.21 @ 49.89' RT
18
BM16
STA. 735+65.47, 49.52' RT, CONNECT TO EXISTING WATER MAIN
MATCHLINE STA. 734+00
MATCHLINE STA. 739+00
735+00
738+00
1 2 3 4 5 6 7 KEYED NOTES SEE GENERAL SANITARY AND WATER NOTES ON S&W1

SAN. SEWER MH (48 IN)
STA = 735+49.54 @ -74.23' LT
RIM = 830.38
I.E. = 820.54 (12" NE)
I.E. = 820.44 (12" NW)
I.E. = 820.54 (8" SE)
19A
SAN. SEWER MH (48 IN)
STA = 735+49.44 @ 40.65' RT
RIM = 833.56
I.E. = 821.09 (8" NW)
I.E. = 821.09 (12" SE)
I.E. = 820.99 (12" SW)
17A
SAN. SEWER MH (48 IN)
STA = 737+76.21 @ 49.89' RT
RIM = 832.19
I.E. = 822.00 (8" SE)
I.E. = 822.11 (8" NW)
18
SAN. SEWER MH (48 IN)
STA = 738+76.60 @ 45.25' RT
RIM = 832.58
I.E. = 822.51 (8" SE)
I.E. = 822.61 (8" NW)
18A
EXISTING CENTERLINE PROFILE
PROPOSED CENTERLINE PROFILE
E17
E19
E20
45° BEND STA: 735+24.98
T/P = 826.41
45° BEND STA: 735+43.39
T/P = 825.73
45° BEND STA: 737+88.79
T/P = 824.03
45° BEND STA: 738+04.82
T/P = 824.06
SOIL BORING #37
SAND
SOIL BORING #38
SAND
WEST WATERMAIN
12"x6" TEE STA: 735+84.44
T/P = 824.60
227 L.F. - 8 IN. PVC @-0.40%
100 L.F. - 8 IN. PVC @-0.40%
APPROXIMATE LOCATION OF EXISTING BOX CULVERT
174 L.F. - 12 IN. PVC @-5.01%
845
840
835
830
825
820
815
838.43 838.75
836.35 836.57
834.74 834.78
833.54 833.38
832.74 832.37
832.33 831.75
832.25 831.51
832.31 831.65
832.42 831.90
832.63 832.15
832.63 832.40
734
735
736
737
738
739

PROJECT NO: 6145-01-84	HWY: USH 12	COUNTY: SAUK	UTILITY PLAN - CITY OF WISCONSIN DELLS (S&W10)	SHEET 284	E

FILE NAME : G:\00\00085\00085123\CADD\CONSTRUCTION DOCUMENTS\NORTH\050101_PP - MSA WIS DELLS.DWG
LAYOUT NAME - SW10
PLOT DATE : 9/22/2025 9:41 AM
PLOT BY : SIERRA PARKER
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

2

96 L.F. - WATER MAIN DUCTILE IRON 12-INCH (TEE-BEND)

PR R/W

167 L.F. - WATER MAIN DUCTILE IRON 12-INCH (BEND-TEE)

740+70.86, 84.23' LT, CONNECT TO EXISTING WATER MAIN
4 L.F. - WATER MAIN DUCTILE IRON 12-INCH (BEND-CONNECT)

E21

STA. 740+67.35, 82.15' LT, BEND 12-INCH

STA. 739+67.95, 82.14' LT, VALVE AND BOX 12-INCH
STA. 739+71.02, 82.12' LT, TEE 12-INCH X 12-INCH X 12-INCH
STA. 739+71.02, 79.18' LT, VALVE AND BOX 12-INCH
STA. 739+74.02, 82.13' LT, VALVE AND BOX 12-INCH

STA. 740.64, 74.85' LT, ADJUST EXISTING SANITARY MANHOLE

111 L.F. - CASING PIPE RCP 30-INCH

137 LF - WATER MAIN DUCTILE IRON RESTRAINED JOINT 12-INCH

PC: 742+18.44

MATCHLINE STA. 739+00

739+00 740+00 741+00 742+00 743+00

3 LF - WATER MAIN DUCTILE IRON 12-INCH (WM (TEE-REDUCER)
12 LF - WATER MAIN DUCTILE IRON 6-INCH (REDUCER-HYDRANT)

STA. 739+68.09, 56.77' RT, VALVE AND BOX 12-INCH
STA. 739+71.06, 52.14' RT, VALVE AND BOX 12-INCH
STA. 739+71.07, 56.76' RT, TEE 12-INCH X 12-INCH X 12-INCH

404 L.F. 12" DIWM (CONNECTION TO TEE)

STA. 740+46.38, 46.31' RT, ADJUST EXISTING SANITARY MANHOLE

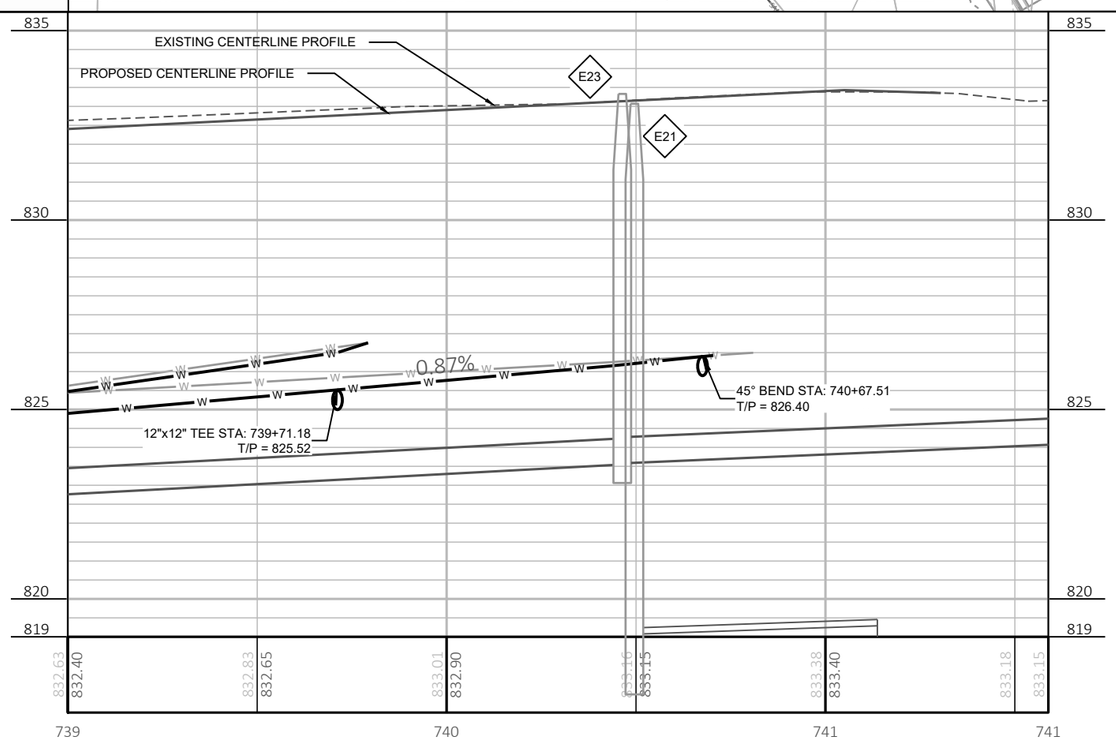
E23

STA.739+86.06, 56.65' RT, HYDRANT

STA.739+75.17, 56.73' RT, REDUCER 12-INCH X 6-INCH
STA. 739+77.06, 56.70' RT, VALVE AND BOX 6-INCH

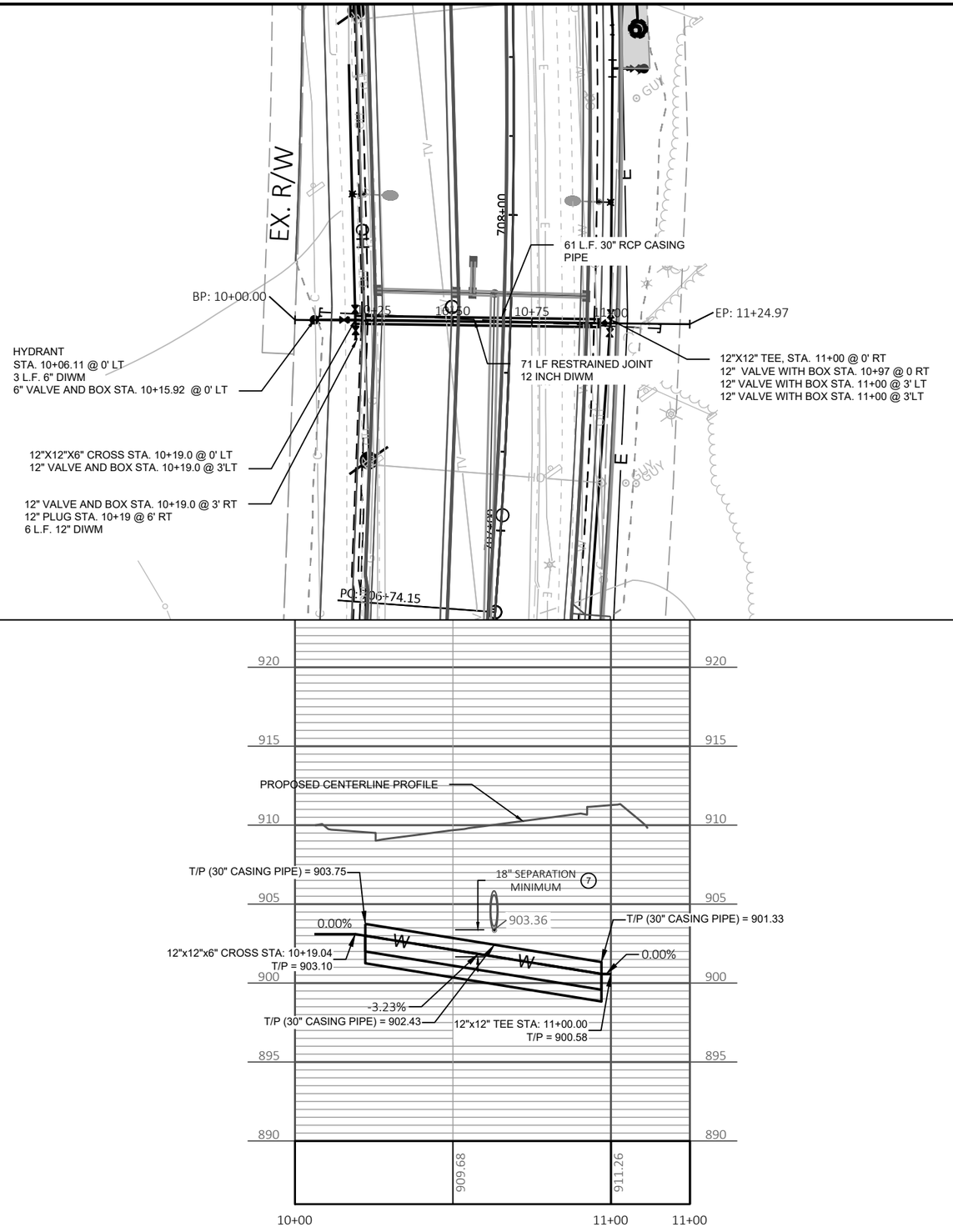
KEYED NOTES SEE GENERAL SANITARY AND WATER NOTES ON S&W1

EX R/W



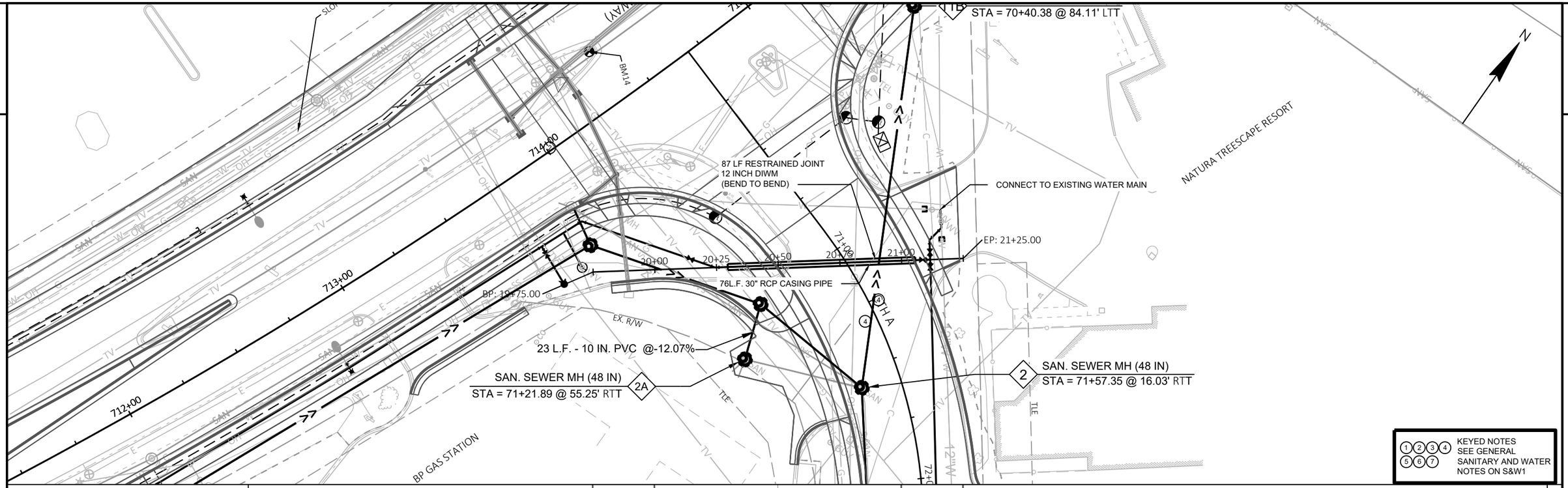
PROJECT NO: 6145-01-84	HWY: USH 12	COUNTY: SAUK	UTILITY PLAN - CITY OF WISCONSIN DELLS (S&W11)	SHEET 285	E

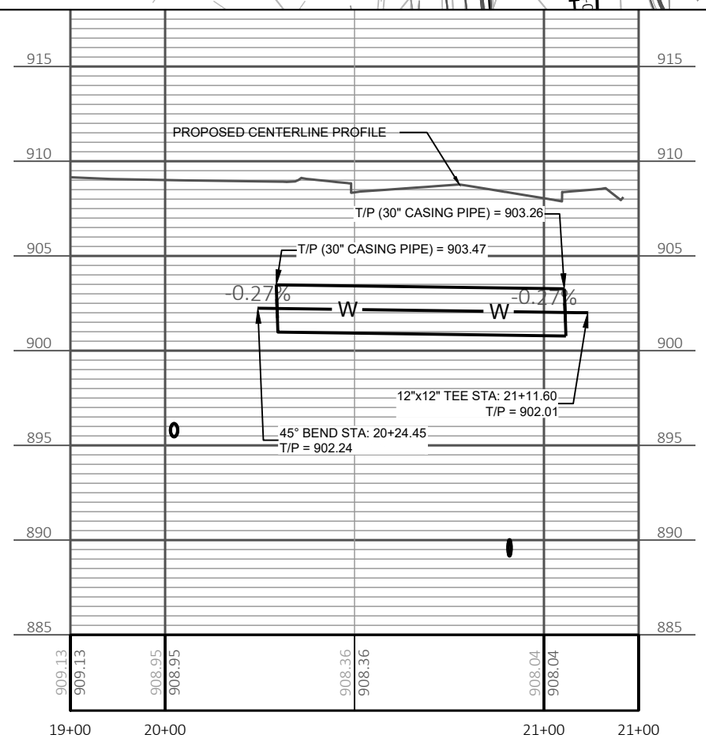
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PROJECT NO: 6145-01-84	HWY: USH 12	COUNTY: SAUK	UTILITY PLAN - CITY OF WISCONSIN DELLS (S&W12)	SHEET 286	E

2



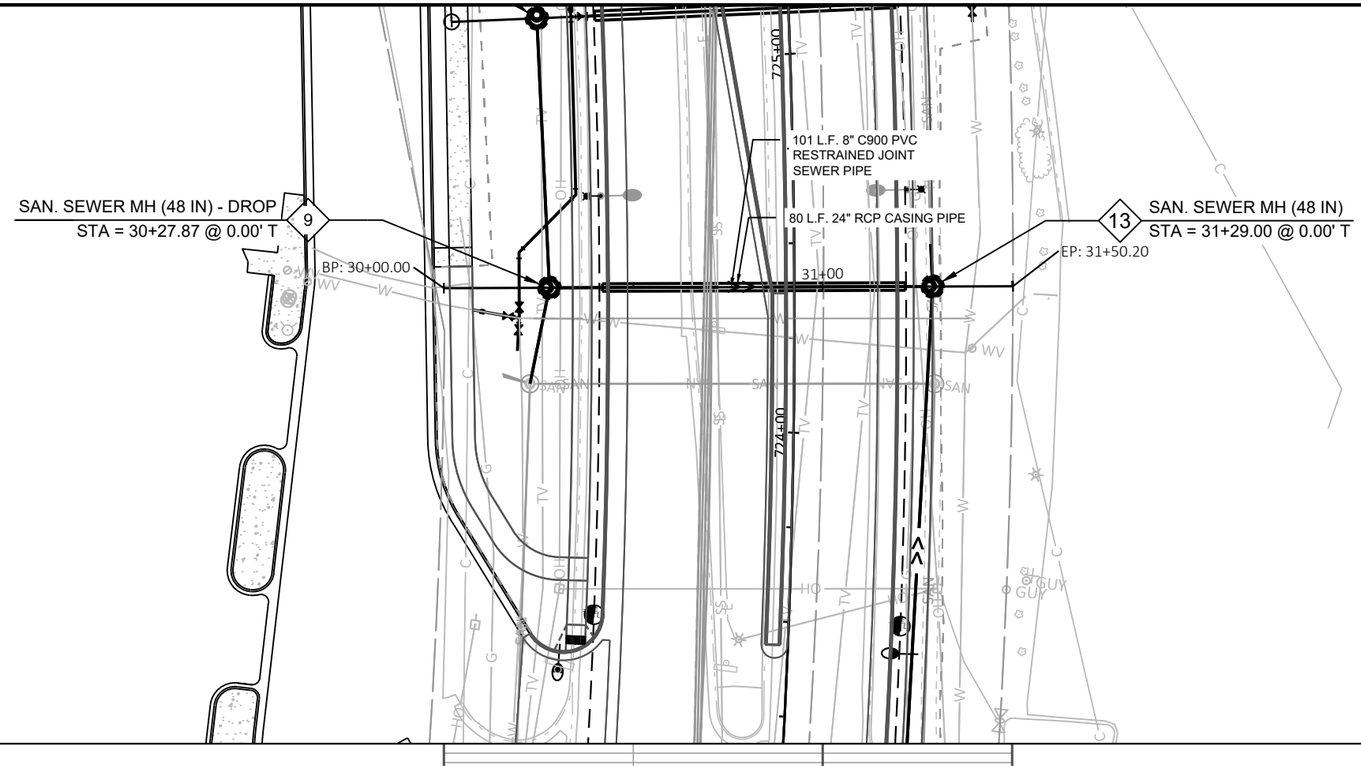


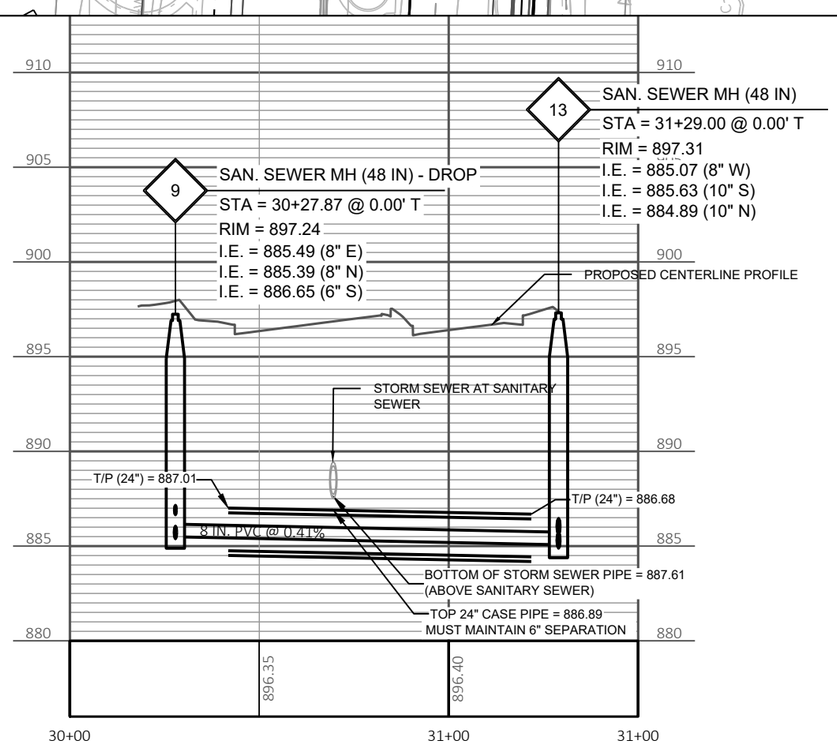
PROJECT NO: 6145-01-84	HWY: USH 12	COUNTY: SAUK	UTILITY PLAN - CITY OF WISCONSIN DELLS (S&W13)	SHEET 287	E

FILE NAME : G:\00\00085\00085123\CADD\CONSTRUCTION DOCUMENTS\NORTH\00085123 WIC DELLS UTILITY CROSSINGS.DWG
LAYOUT NAME - sw13

PLOT DATE : 8/20/2025 10:47 AM PLOT BY : SIERRA PARKER PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

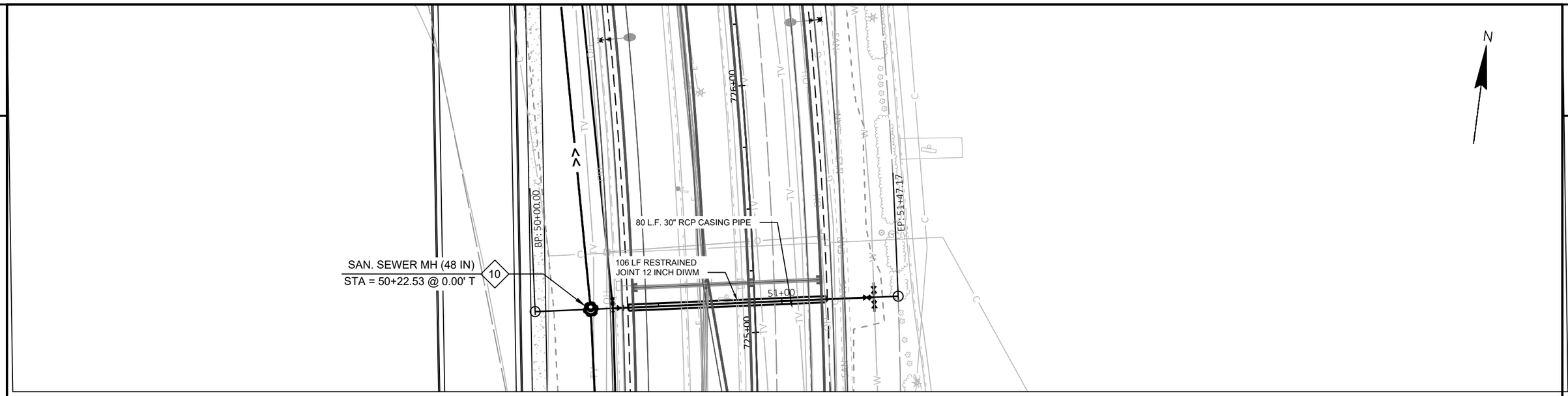


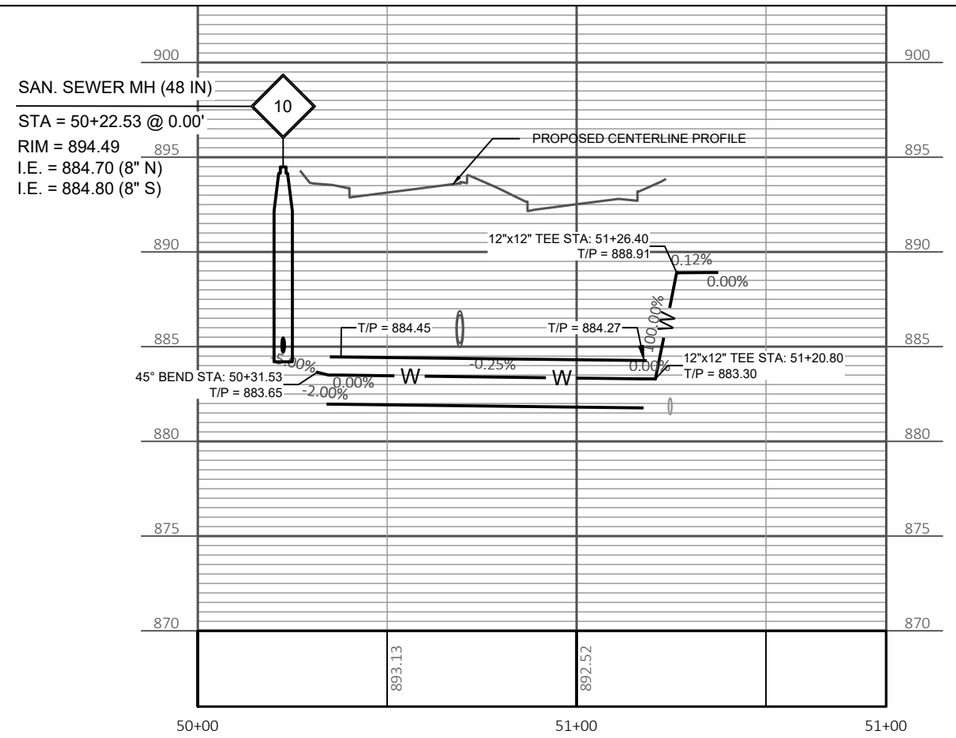


PROJECT NO: 6145-01-84	HWY: USH 12	COUNTY: SAUK	UTILITY PLAN - CITY OF WISCONSIN DELLS (S&W14)	SHEET 288 E

FILE NAME : G:\00\00085\00085123\CADD\CONSTRUCTION DOCUMENTS\NORTH\00085123 WIC DELLS UTILITY CROSSINGS.DWG
LAYOUT NAME - sw14

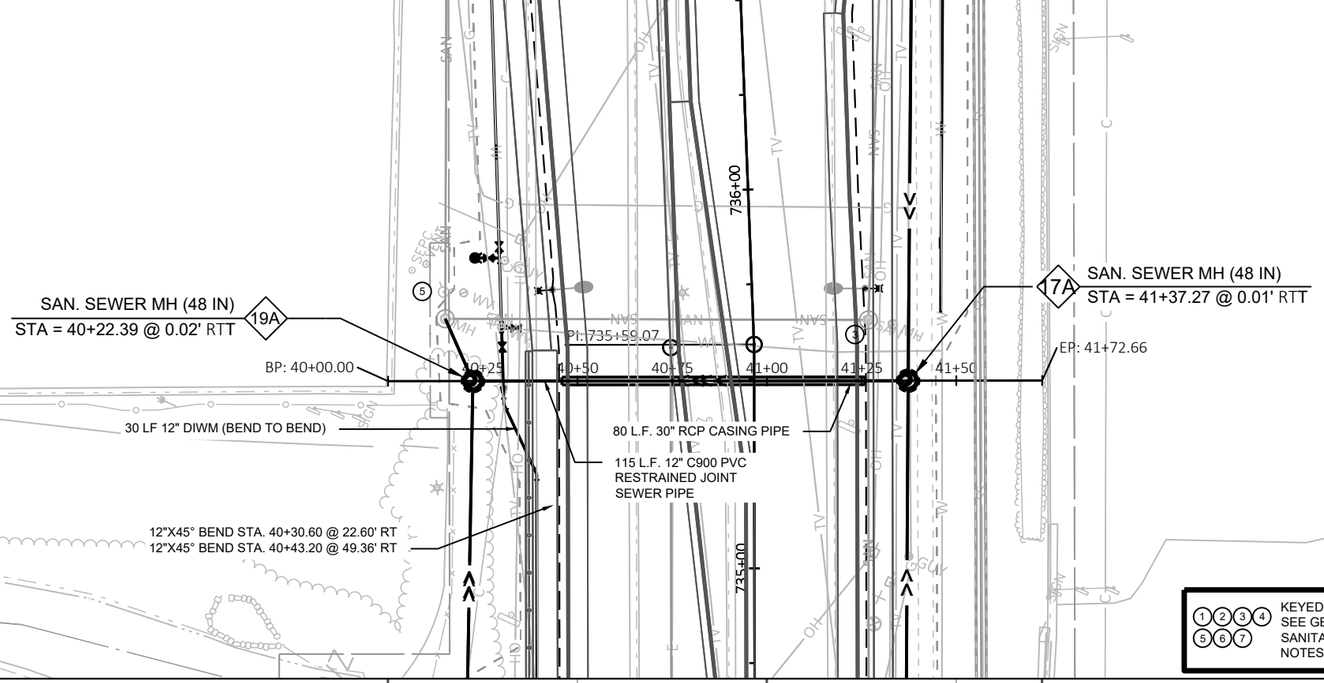
PLOT DATE : 8/20/2025 10:47 AM PLOT BY : SIERRA PARKER PLOT NAME : PLOT SCALE : 1 IN:40 FT

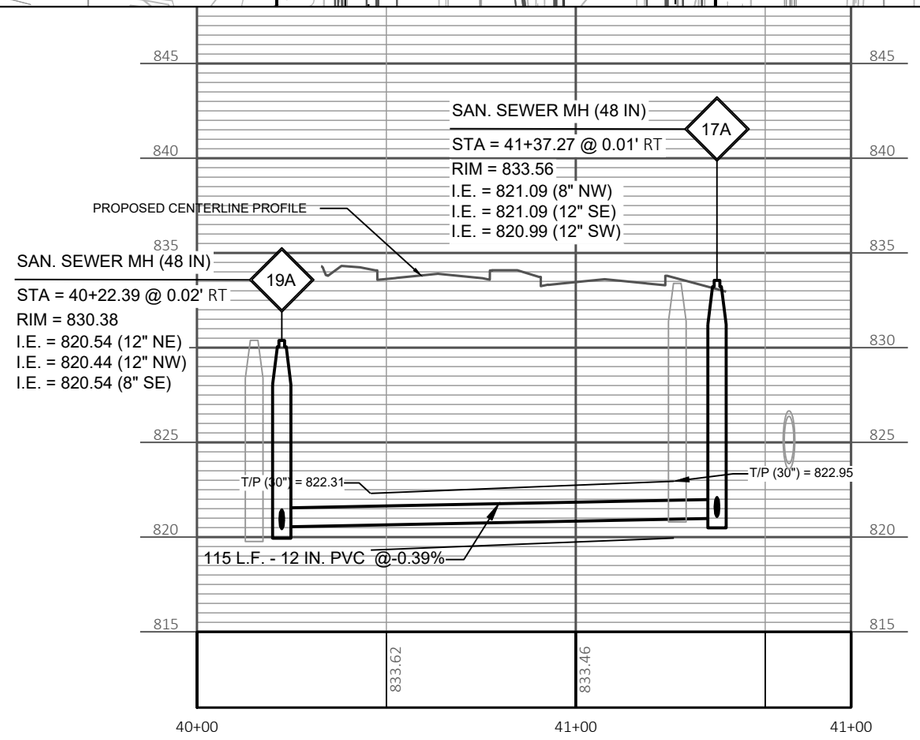




PROJECT NO: 6145-01-84	HWY: USH 12	COUNTY: SAUK	UTILITY PLAN - CITY OF WISCONSIN DELLS (S&W15)	SHEET 289	E

2



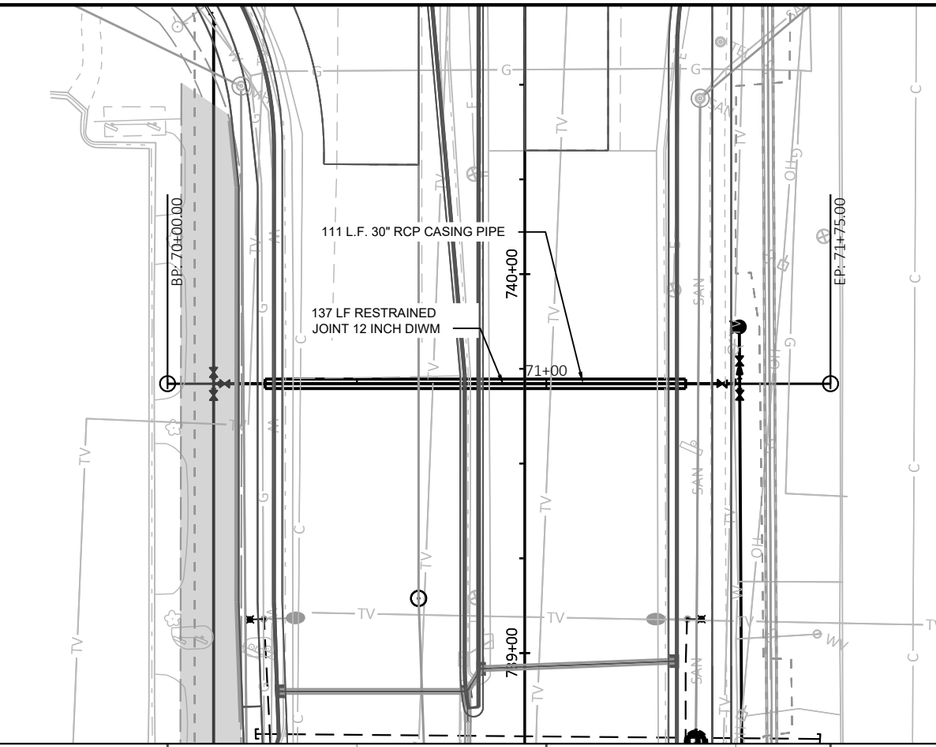


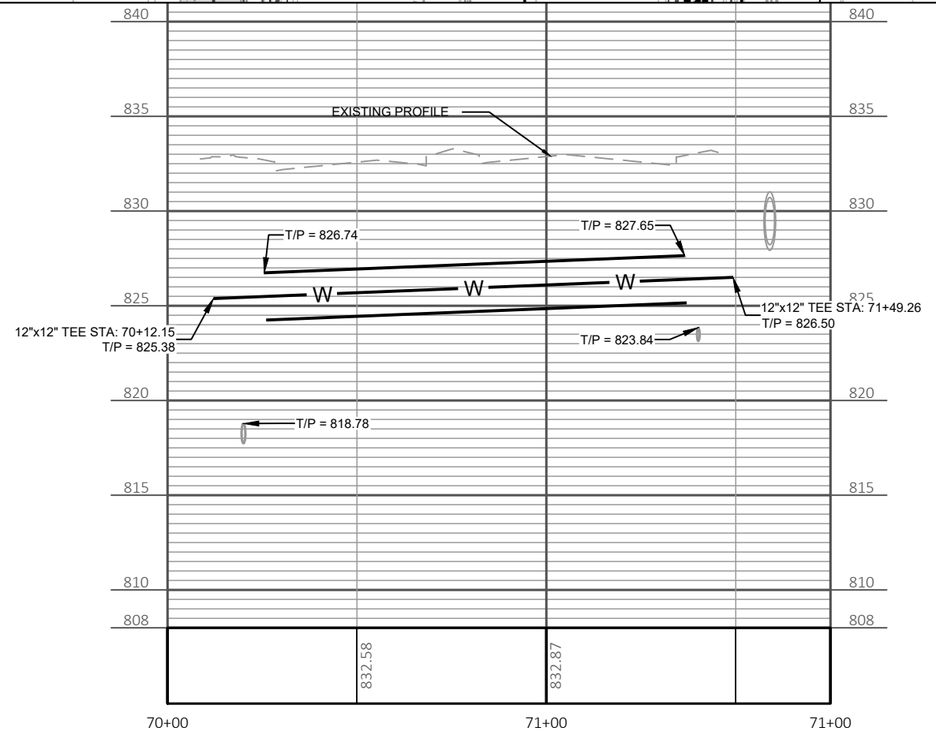
PROJECT NO: 6145-01-84	HWY: USH 12	COUNTY: SAUK	UTILITY PLAN - CITY OF WISCONSIN DELLS (S&W16)	SHEET 290	E

FILE NAME : G:\00\00085\00085123\CADD\CONSTRUCTION DOCUMENTS\NORTH\00085123 WIC DELLS UTILITY CROSSINGS.DWG
LAYOUT NAME - 16

PLOT DATE : 8/20/2025 10:48 AM PLOT BY : SIERRA PARKER PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

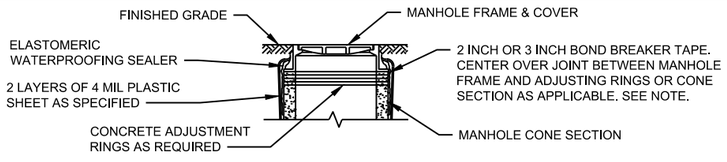




PROJECT NO: 6145-01-84	HWY: USH 12	COUNTY: SAUK	UTILITY PLAN - CITY OF WISCONSIN DELLS (S&W17)	SHEET 291	E

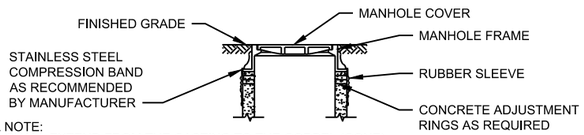
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LAYOUT NAME - sw17

PLOT DATE : 8/20/2025 10:48 AM PLOT BY : SIERRA PARKER PLOT NAME : PLOT SCALE : 1 IN:40 FT



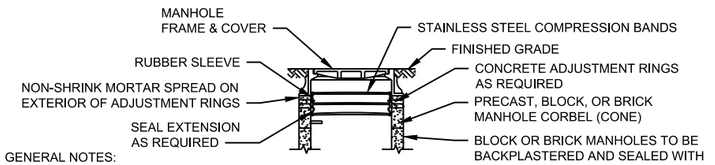
THE BOND BREAKER TAPE IS TO PREVENT THE SEALER FROM BONDING TO THE EDGE OF THE FLANGE OF THE MH FRAME AND THE UPPER 1-1/2 INCHES OF ADJUSTING RING OR CONE. IF THE EDGE OF FLANGE IS NOT FLUSH WITH ADJUSTING RING OR CONE, APPLY ADDITIONAL TAPE AS REQUIRED TO PREVENT SUCH BONDING.

ELASTOMERIC FRAME/CHIMNEY SEAL



GENERAL NOTE:
THE SEAL SHALL EXTEND FROM THE CASTING TO THE CORBEL (CONE). SEAL EXTENSIONS SHALL BE USED AS REQUIRED.

EXTERNAL RUBBER SLEEVE FRAME/CHIMNEY SEAL

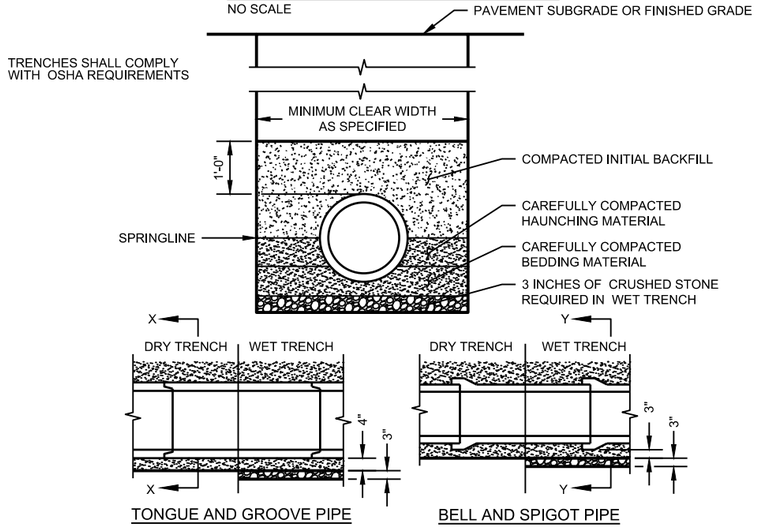


GENERAL NOTES:
1. THE SEAL SHALL EXTEND FROM THE CASTING TO THE CORBEL (CONE). SEAL EXTENSIONS SHALL BE USED AS REQUIRED.
2. AN INTERNAL ADAPTOR SEAL RING MAY BE USED IN LIEU OF THE RUBBER SLEEVE. THE INTERNAL ADAPTOR SEAL RING SHALL BE INSTALLED PER MANUFACTURER'S INSTRUCTIONS.

INTERNAL RUBBER SLEEVE FRAME/CHIMNEY SEAL

MANHOLE WATERPROOFING DETAIL

NO SCALE

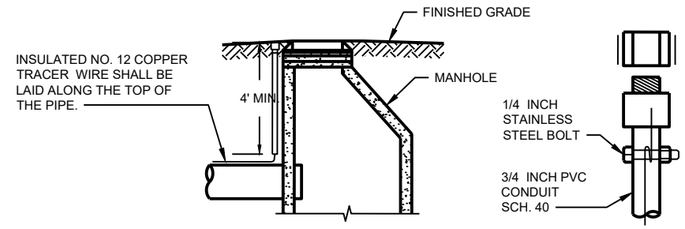


TONGUE AND GROOVE PIPE — BELL AND SPIGOT PIPE

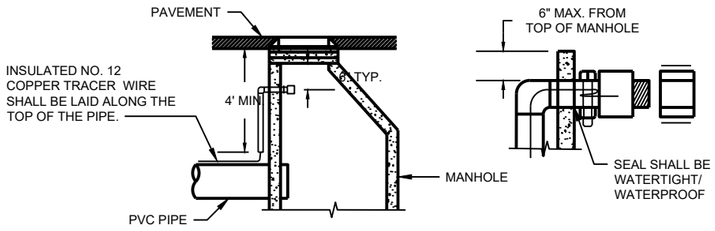
GENERAL NOTES:
1. BEDDING AND HAUNCHING MATERIAL SHALL BE WELL-GRADED 3/4 TO 1/4 INCH CRUSHED STONE OR OTHER NON-COHESIVE MATERIAL NOT SUBJECT TO MIGRATION AND FREE OF DEBRIS, ORGANIC MATERIAL, AND LARGE STONES.
2. BEDDING MATERIAL TO BE PLACED BEFORE SETTING PIPE, 4 INCH MINIMUM UNDER BARREL WITH 3 INCH MINIMUM UNDER BELL.
3. INITIAL BACKFILL SHALL BE DENSELY COMPACTED, NON-COHESIVE FINELY DIVIDED MATERIAL FREE OF DEBRIS, ORGANIC MATERIAL, AND LARGE STONES.
4. IN ROCK OR OTHER UNCOMPRESSIBLE MATERIALS, THE TRENCH SHALL BE OVEREXCAVATED A MINIMUM OF 6-INCHES AND REFILLED WITH GRANULAR MATERIAL.

CLASS "B" EMBEDMENT FOR RIGID PIPE DETAIL

NO SCALE



INSTALLATION IN UNPAVED AREA

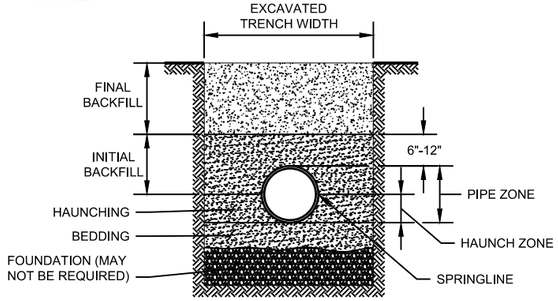


INSTALLATION IN PAVED AREA

GENERAL NOTES:
1. THE TRACER WIRE SHALL REMAIN CONTINUOUS TO THE GREATEST EXTENT POSSIBLE.
2. A THREADED, FEMALE PVC SCHEDULE 40 PLUG AND MALE COUPLING GLUED TO 3/4 INCH SCHEDULE 40 SHALL BE INSTALLED IN OR ADJACENT TO THE VALVE VAULT AND MANHOLE.
3. WIRE PIGTAIL SHALL BE WRAPPED AROUND BOLT AND READILY ACCESSIBLE, WITH SUFFICIENT LENGTH FOR EASY CONNECTION.

TRACER WIRE INSTALLATION FOR PVC PIPE

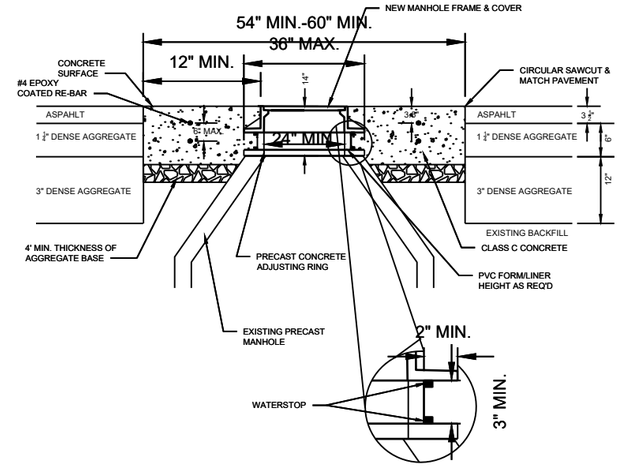
NO SCALE



GENERAL NOTES:
1. DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO ASTM D2321.
2. CLASS 1 EMBEDMENT MATERIAL SHALL BE CLEAN, OPEN GRADED CRUSHED STONE, ROCK OR GRAVEL.
3. NO PARTICLES LARGER THAN 1 1/2 -INCHES SHALL BE USED IN THE PIPE EMBEDMENT.
4. DO NOT USE CLASS 1A MATERIAL WHERE CONDITIONS MAY CAUSE MIGRATION OF FINES FROM ADJACENT SOIL AND LOSS OF PIPE SUPPORT.
5. CLASS 1 MATERIAL IS SUITABLE AS FOUNDATION AND FOR REPLACING OVER-EXCAVATED AND UNSTABLE TRENCH BOTTOM. INSTALL AND COMPACT IN 6-INCH MAXIMUM LAYERS.
6. INSTALL BEDDING IN 6-INCH MAXIMUM LAYERS. LEVEL FINAL GRADE BY HAND. MINIMUM DEPTH 4 INCH (6 INCH IN ROCK CUTS).
7. INSTALL AND COMPACT HAUNCHING IN 6-INCH MAXIMUM LAYERS. WORK IN AROUND PIPE BY HAND TO PROVIDE UNIFORM SUPPORT.
8. INSTALL AND COMPACT INITIAL BACKFILL TO A MINIMUM OF 6 INCH ABOVE PIPE CROWN
9. EMBEDMENT COMPACTION:
   CLASS 1: PLACE AND WORK BY HAND TO INSURE ALL EXCAVATED VOIDS AND HAUNCH AREAS ARE FILLED. FOR HIGH DENSITIES USE VIBRATORY COMPACTORS.
10. EMBEDMENT INCLUDES BEDDING, HAUNCHING, AND INITIAL BACKFILL

CLASS I - FLEXIBLE PIPE EMBEDMENT DETAIL

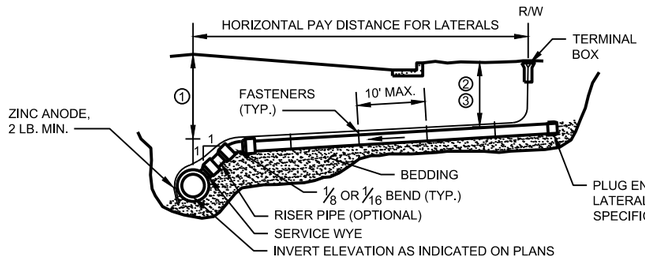
NO SCALE



NOTES:
-CONCRETE PAVEMENT SURFACE SHALL EXTEND 3" MIN. BELOW TOP OF MANHOLE CORBEL.
-TOP OF CASTING SHALL BE SET 1/4" BELOW PAVEMENT ELEVATION.

SANITARY MANHOLE CASTING ADJUSTMENT

SCALE: NONE



ELEVATION VIEW

NOTES FOR LATERAL INSTALLATION:
1. MINIMUM DEPTH OF COVER UNDER ROADWAY = 7 FEET.
2. MINIMUM DEPTH OF COVER UNDER GRASS AREAS = 5 1/2 FEET.
3. MINIMUM DEPTH OF COVER UNDER GRASS AREAS WITH FROST PROTECTION = 3 FEET 6 INCHES.
4. LATERAL SLOPES SHALL BE 1/8 INCH PER FOOT MINIMUM AND 1/2 INCH PER FOOT MAXIMUM.

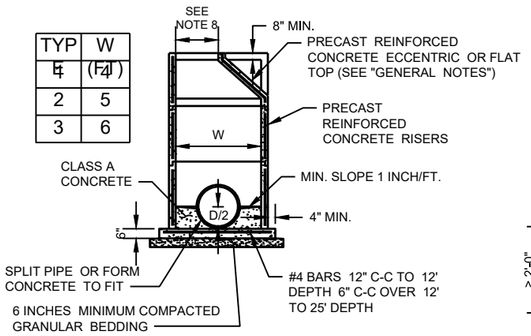
NOTES FOR TRACER WIRE INSTALLATION:
1. THE TRACER WIRE SHALL REMAIN CONTINUOUS TO THE GREATEST EXTENT POSSIBLE.
2. NO. 12 GAUGE GREEN INSULATED COPPER TRACER WIRE SHALL BE INSTALLED WITH THE NON-CONDUCTIVE SERVICE. PIPE TRACER WIRE TERMINAL BOXES SHALL BE INSTALLED DIRECTLY ABOVE THE SEWER MAIN OR AS DETERMINED BY THE ENGINEER OR OWNER. TRACER WIRE INSTALLATION REQUIRES ACCESS POINTS AT LEAST EVERY 300 FEET.
3. TRACER WIRE SHALL BE RESTRAINED BY CABLE-TIES, TAPE, OR BY NON-CORRESIVE FASTENER APPROVED BY THE OWNER, INSTALLED EVERY 10 FEET ALONG SERVICE. DO NOT WRAP TRACER WIRE AROUND THE PIPE.
4. TRACER WIRE SHALL RUN FROM THE WYE AND TERMINATED IN A FLUSH MOUNTED TERMINAL BOX WITH A CAST IRON LOCKABLE TOP. SPLICES IN TRACER WIRE SHOULD BE MADE WITH SPLIT BOLT OR COMPRESSION-TYPE CONNECTORS. WIRE NUTS SHALL NOT BE USED. A WATER-PROOF CONNECTION IS NECESSARY TO PREVENT CORROSION. TERMINAL BOX SHALL BE VALVCO, OR APPROVED EQUAL.

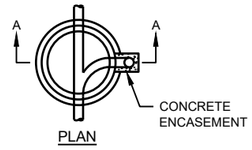
SANITARY SEWER LATERAL DETAIL

NO SCALE

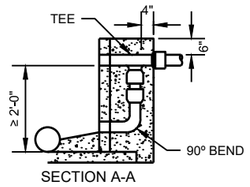
2

TYP	W
4	(F4)
2	5
3	6





PLAN



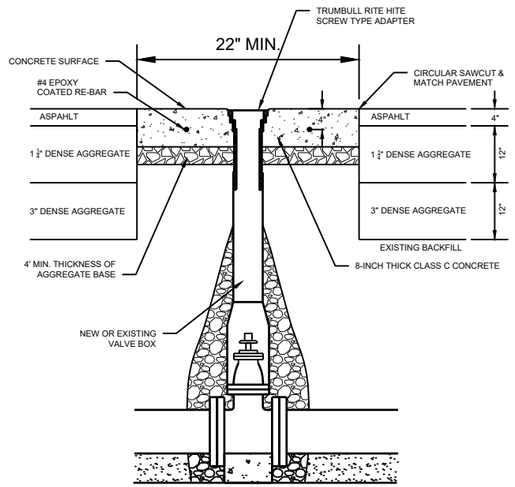
SECTION A-A

DROP ASSEMBLY DETAIL

GENERAL NOTES:

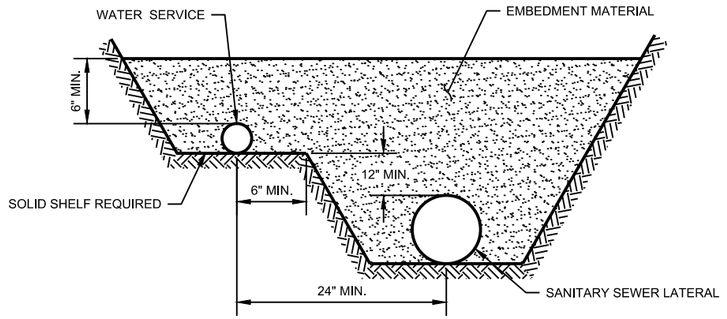
1. DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING AND THE APPLICABLE SPECIAL CONDITIONS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS.
2. DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR UNDERGROUND STRUCTURES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.
3. PRECAST REINFORCED BASES SHALL BE PLACED ON A BED OF MATERIAL AT LEAST 6 INCHES IN DEPTH, WHICH MEETS THE REQUIREMENTS FOR GRANULAR BACKFILL. THIS BEDDING SHALL BE COMPACTED AND PROVIDE UNIFORM SUPPORT FOR THE ENTIRE AREA OF THE BASE.
4. ECCENTRIC CONE TOPS SHALL BE USED ON ALL STRUCTURES 5 FEET OR GREATER IN DEPTH, AND FLAT TOPS SHALL BE USED ONLY ON STRUCTURES LESS THAN 5 FEET IN DEPTH, UNLESS DIRECTED BY THE ENGINEER.
5. PRECAST REINFORCED CONCRETE RISERS MAY BE PLACED WITH TONGUE UP OR DOWN.
6. ALL PRECAST INLET UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF AASHTO DESIGNATION M 199.
7. DROP CONNECTIONS SHALL BE USED WHEN THE PIPE INVERT IS MORE THAN 2 FEET ABOVE THE MANHOLE INVERT. PRECAST STRUCTURE MANWAY CLEAR OPENING SHALL MATCH CASTING - REFER TO STANDARD SPECIFICATION
8. DIVISION 33 AND THE APPLICABLE SPECIAL CONDITIONS.
   - OPENING SHALL BE 24" FOR R-1550 CASTINGS
   - OPENING SHALL BE 27" FOR R-1642 CASTINGS
9. DROP CONNECTION AND ASSEMBLY SHALL BE CONSTRUCTED WITH DUCTILE IRON PIPE.

PRECAST REINFORCED CONCRETE MANHOLE DETAIL
NO SCALE



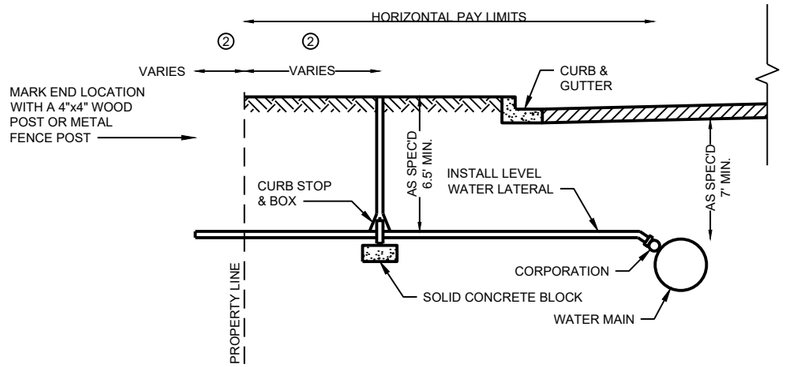
NOTES:
-CONCRETE PAVEMENT SURFACE SHALL BE 8-INCHES THICK.
-TOP OF BOX SHALL BE SET 1/4" BELOW PAVEMENT ELEVATION.

WATER VALVE BOX ADJUSTMENT DETAIL
SCALE: NONE



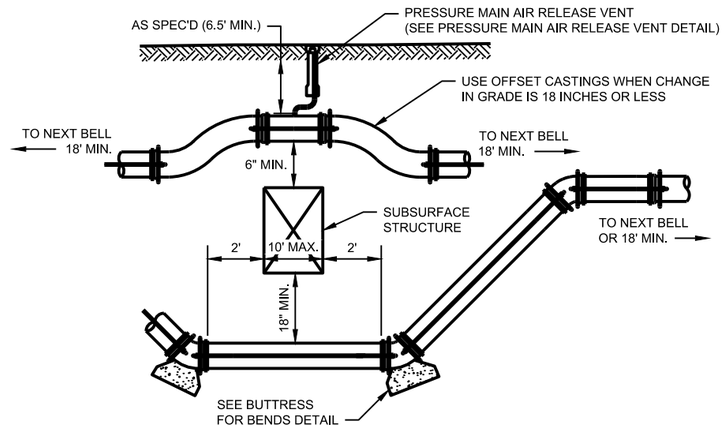
GENERAL NOTES:
1. WATER SERVICES 2 INCHES IN DIAMETER AND LESS SHALL BE LAID WITH A CLEAR HORIZONTAL SEPARATION NOT LESS THAN 2 FEET FROM THE SANITARY LATERAL.

WATER SERVICE AND SANITARY SEWER LATERAL DETAIL
NO SCALE



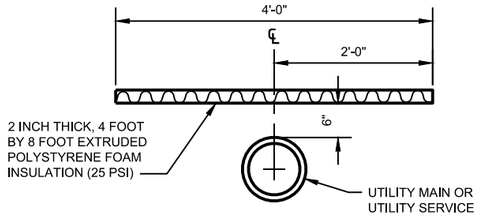
GENERAL NOTES:
1. SEE PLANS AND SPECIFICATIONS FOR SIZE AND TYPE OF CURB STOP AND BOX CORPORATION AND SERVICE LINE.
2. COMMUNITY STANDARDS SHALL SUPERSEDE THE DIMENSIONS FROM THE PROPERTY LINE.

WATER SERVICE DETAIL
NO SCALE

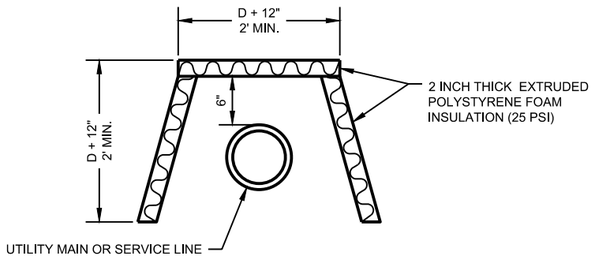


GENERAL NOTES:
1. FITTINGS TO BE WRAPPED WITH POLYETHYLENE BEFORE PLACEMENT OF RODDING AND BUTTRESSES.
2. ALL FITTINGS SHALL BE RODDED OR CONNECTED TO THE PIPE WITH AN APPROVED WEDGE ACTION THRUST RESTRAINING GLAND. RODS SHALL BE STAINLESS STEEL OR BITUMINOUS COATED, AND A MINIMUM OF 1 INCH IN DIAMETER.
3. LOCATIONS OF EXISTING MAINS ARE APPROXIMATE. LENGTH REQUIRED TO BE LOWERED WILL BE DETERMINED IN THE FIELD.
4. MAINS SHALL BE INSULATED IF COVER IS LESS THAN 6.5 FEET.

PRESSURE MAIN OFFSET DETAIL
NO SCALE



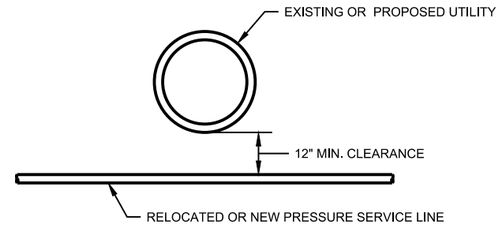
STANDARD INSTALLATION



SIDE PROTECTION INSTALLATION

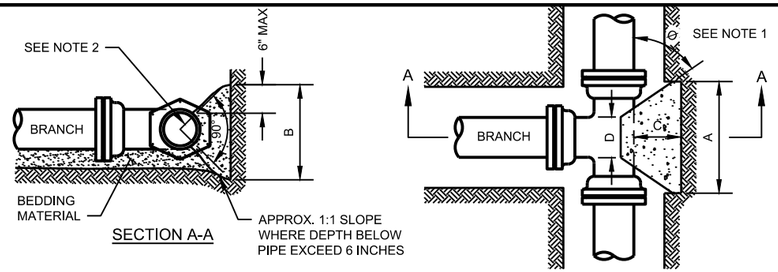
GENERAL NOTES:
1. THE SIDE PROTECTION INSTALLATION SHALL BE USED WHERE FROST WILL PENETRATE BELOW THE PIPE INVERT.

PIPE INSULATION DETAIL
NO SCALE



GENERAL NOTES:
1. PIPE INSULATION SHALL BE INSTALLED AS REQUIRED. SEE "PIPE INSULATION DETAIL."

PRESSURE SERVICE CROSSING DETAIL
NO SCALE



SECTION A-A

PLAN

NOTES:

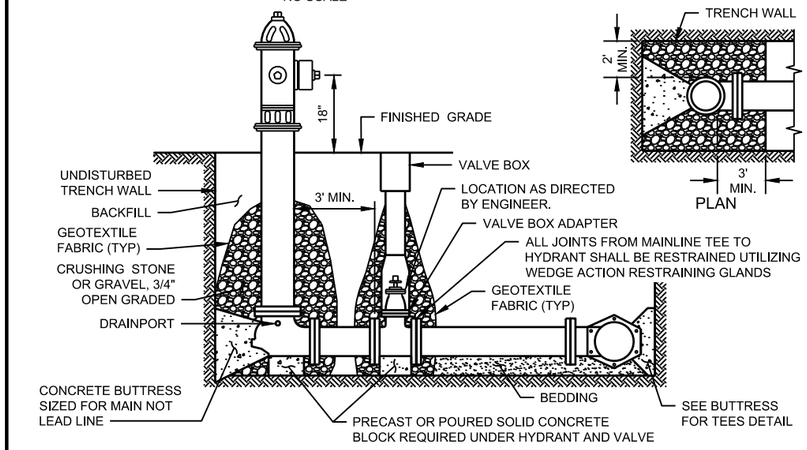
1. DIMENSION 'C' SHOULD BE LARGE ENOUGH TO MAKE ANGLE Ø GREATER THAN OR EQUAL TO 45°.
2. CONCRETE SHOULD BEAR ON THIS QUADRANT OF PIPE AT A MINIMUM.
3. DIMENSION 'D' SHOULD BE AS LARGE AS POSSIBLE BUT CONCRETE SHOULD NOT INTERFERE WITH MECHANICAL JOINTS.
4. BUTTRESS DIMENSIONS ARE BASED ON A SOIL RESISTANCE OF TWO TONS PER SQ. FT. AND A WATER PRESSURE OF 150 PSI. INFORM THE ENGINEER IF ON-SITE SOIL DOES NOT MEET THIS CONDITION OR PRESSURES EXCEED 150 PSI.
5. BUTTRESS TO BE PLACED AGAINST FIRM UNDISTURBED SOIL, OR DISTURBED SOIL COMPACTED TO 95%% OF MODIFIED PROCTOR DENSITY, ASTM D1557.
6. CONCRETE SHALL HAVE A MINIMUM 7-DAY COMPRESSIVE STRENGTH OF 2000 PSI.
7. ALL POURED BUTTRESSED FITTINGS SHALL BE WRAPPED IN POLYETHYLENE.
8. IN ADDITION TO BUTTRESSES, ALL JOINTS SURROUNDING TEES SHALL BE RESTRAINED WITH WEDGE ACTION RESTRAINING GLANDS.

BUTTRESS DIMENSIONS				
DIA.	A	B	C	D
6"	1'-3"	1'-0"	SEE NOTE NO. 1	SEE NOTE NO. 3
8"	1'-6"	1'-4"		
10"	1'-10"	1'-8"		
12"	2'-3"	2'-0"		
16"	3'-2"	2'-6"		
20"	4'-0"	3'-0"		
24"	5'-3"	3'-4"		

DIA. = BRANCH DIAMETER

BUTTRESS FOR TEES DETAIL

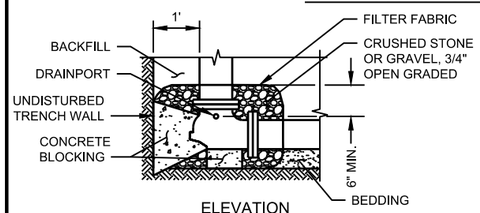
NO SCALE



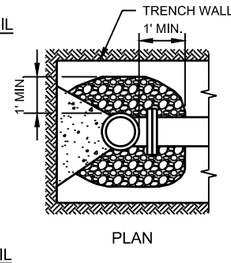
ELEVATION

PLAN

IMPERVIOUS SOIL SUMP DETAIL



ELEVATION

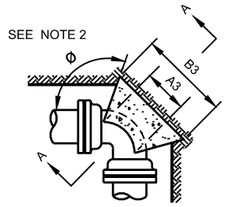


PLAN

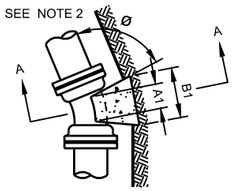
PERVIOUS SOIL SUMP DETAIL

HYDRANT AND LEAD CONNECTION DETAIL

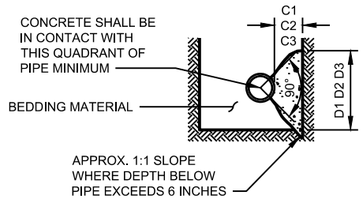
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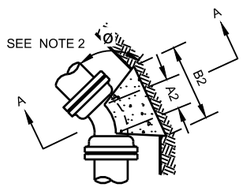
PLAN - 90° BEND



PLAN - 22 ½° BEND



SECTION A-A



PLAN - 45° BEND

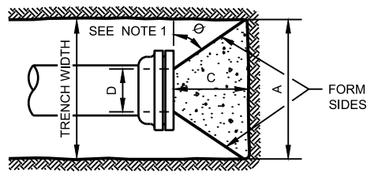
NOTES:

1. DIMENSIONS IN TABLE ARE BASED ON A WATER PRESSURE OF 150 P.S.I. AND AN EARTH RESISTANCE OF 2 TONS PER SQ. FT. INFORM THE ENGINEER IF PRESSURES EXCEED 150 PSI, OR ON-SITE SOIL DOES NOT MEET THIS CONDITION.
2. DIMENSION C1 C2 C3 SHOULD BE LARGE ENOUGH TO MAKE ANGLE Ø EQUAL TO OR LARGER THAN 45°.
3. DIMENSION A1 A2 A3 SHOULD BE AS LARGE AS POSSIBLE WITHOUT INTERFERING WITH THE MECHANICAL JOINT.
4. BUTTRESS TO BE POURED AGAINST FIRM UNDISTURBED SOIL, OR DISTURBED SOIL COMPACTED TO 95% OF MODIFIED PROCTOR DENSITY, ASTM D1557.
5. ALL BUTTRESSED FITTINGS SHALL BE WRAPPED IN POLYETHYLENE.
6. CONCRETE SHALL HAVE A MINIMUM 7-DAY COMPRESSIVE STRENGTH OF 2000 PSI.
7. IN ADDITION TO BUTTRESS, ALL JOINTS SURROUNDING BENDS SHALL BE RESTRAINED WITH WEDGE ACTION RESTRAINING GLANDS.

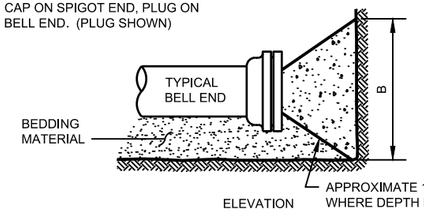
BUTTRESS DIMENSIONS						
PIPE SIZE	22 ½° BENDS		45° BENDS		90° BENDS	
	B1	D1	B2	D2	B3	D3
6"	1'-0"	1'-0"	1'-0"	1'-0"	1'-4"	1'-2"
8"	1'-0"	1'-0"	1'-4"	1'-2"	1'-10"	1'-6"
10"	1'-2"	1'-2"	1'-7"	1'-7"	2'-3"	1'-10"
12"	1'-4"	1'-4"	1'-10"	1'-10"	2'-8"	2'-3"
16"	1'-10"	1'-8"	2'-6"	2'-4"	3'-10"	2'-10"
20"	2'-4"	2'-0"	3'-3"	2'-10"	5'-0"	3'-4"
24"	2'-10"	2'-4"	4'-0"	3'-3"	6'-4"	3'-10"

BUTTRESS FOR BENDS DETAIL

NO SCALE



PLAN



ELEVATION

BUTTRESS DIMENSIONS				
DIA.	A	B	C	D
6"	1'-6"	1'-2"	SEE NOTE NO. 1	SEE NOTE NO. 2
8"	2'-0"	1'-4"		
12"	2'-5"	1'-10"		
16"	3'-4"	2'-4"		
20"	4'-3"	2'-10"		
24"	5'-2"	3'-4"		
30"	6'-9"	4'-0"		

NOTES:

1. DIMENSION 'C' SHOULD BE LARGE ENOUGH TO MAKE ANGLE Ø EQUAL TO OR LARGER THAN 45°.
2. DIMENSION 'D' EQUALS APPROX. I.D. OF PIPE LESS 2 INCHES. THE CONCRETE SHOULD NOT INTERFERE WITH THE MECHANICAL JOINTS.
3. WHERE BUTTRESSES ARE NOT POSSIBLE BECAUSE OF POOR SOIL CONDITIONS OR LACK OF ROOM, WEDGE ACTION RESTRAINING GLANDS SHALL BE PERMITTED.
4. BUTTRESS DIMENSIONS ARE BASED ON A SOIL RESISTANCE OF TWO TONS PER SQ. FT. AND A WATER PRESSURE OF 150 PSI. INFORM THE ENGINEER IF ON-SITE SOIL DOES NOT MEET THIS CONDITION OR PRESSURES EXCEED 150 PSI.
5. BUTTRESS TO BE POURED AGAINST FIRM UNDISTURBED SOIL, OR DISTURBED SOIL COMPACTED TO 95% OF MODIFIED PROCTOR DENSITY, ASTM D1557.
6. CONCRETE SHALL HAVE A MINIMUM 7-DAY COMPRESSIVE STRENGTH OF 2000 PSI.
7. ALL POURED BUTTRESSED FITTINGS SHALL BE WRAPPED IN POLYETHYLENE.
8. NO WOOD BUTTRESS ALLOWED.

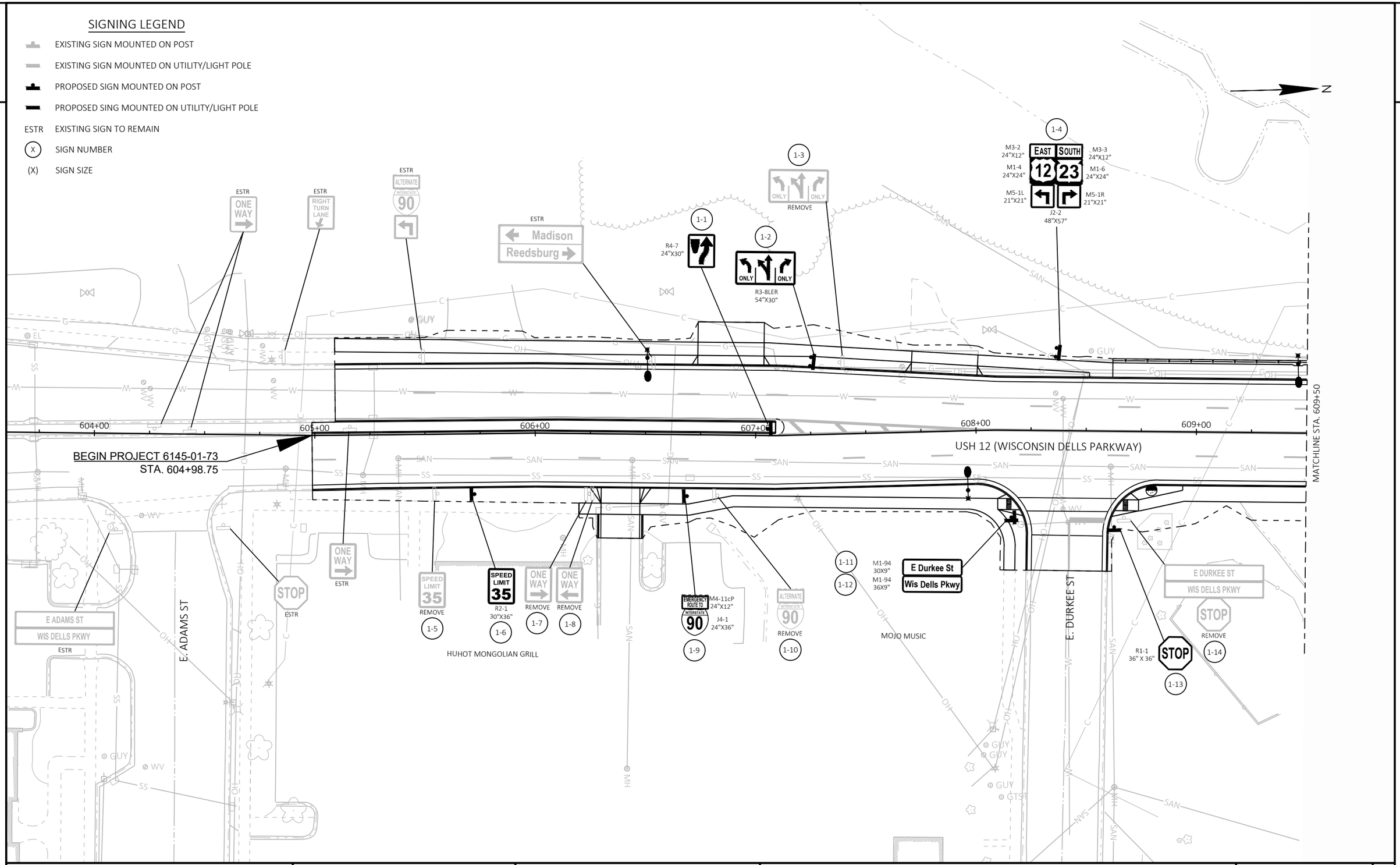
BUTTRESS FOR PLUGS DETAIL

NO SCALE

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SIGNING LEGEND

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- (X) SIGN NUMBER
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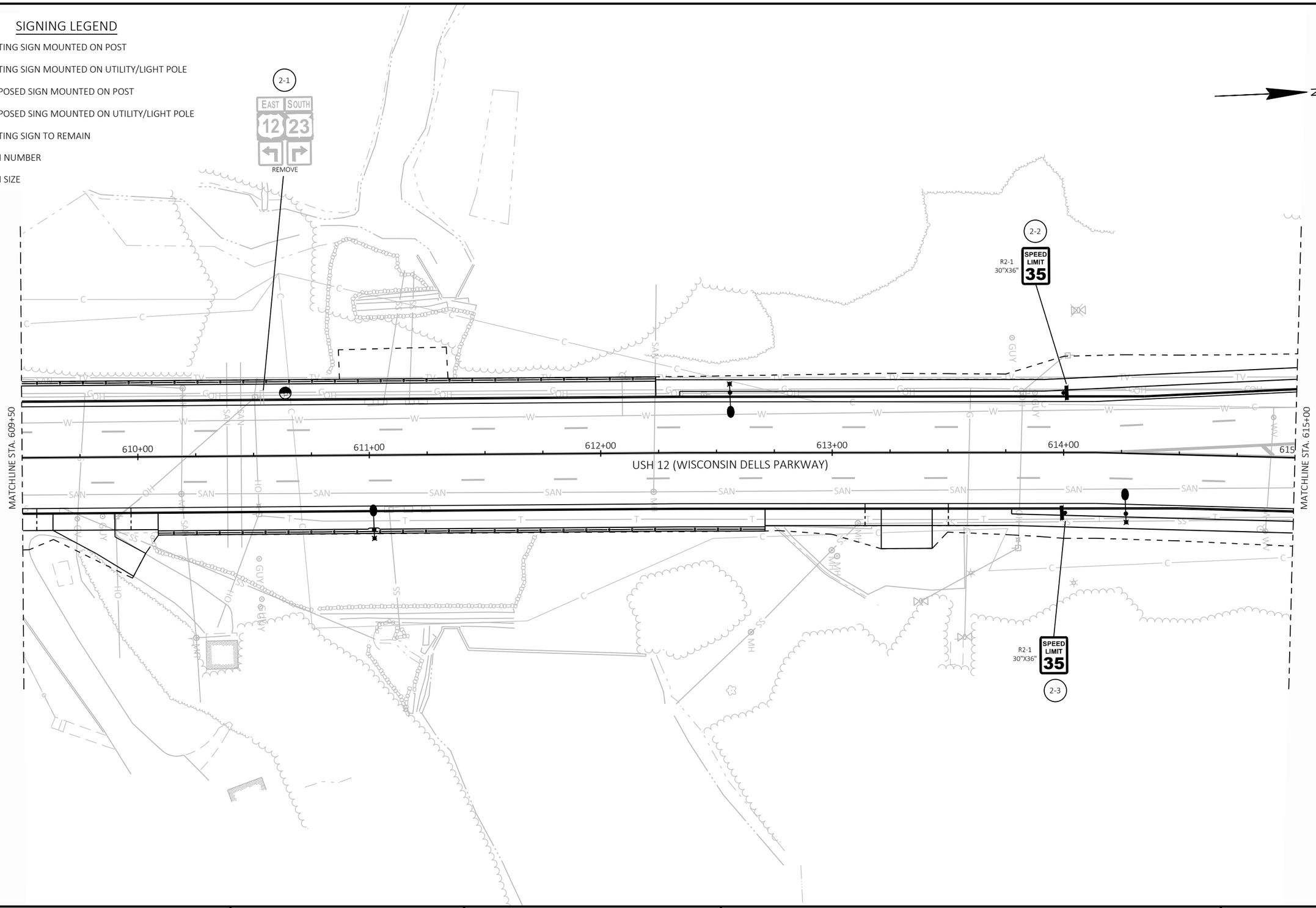
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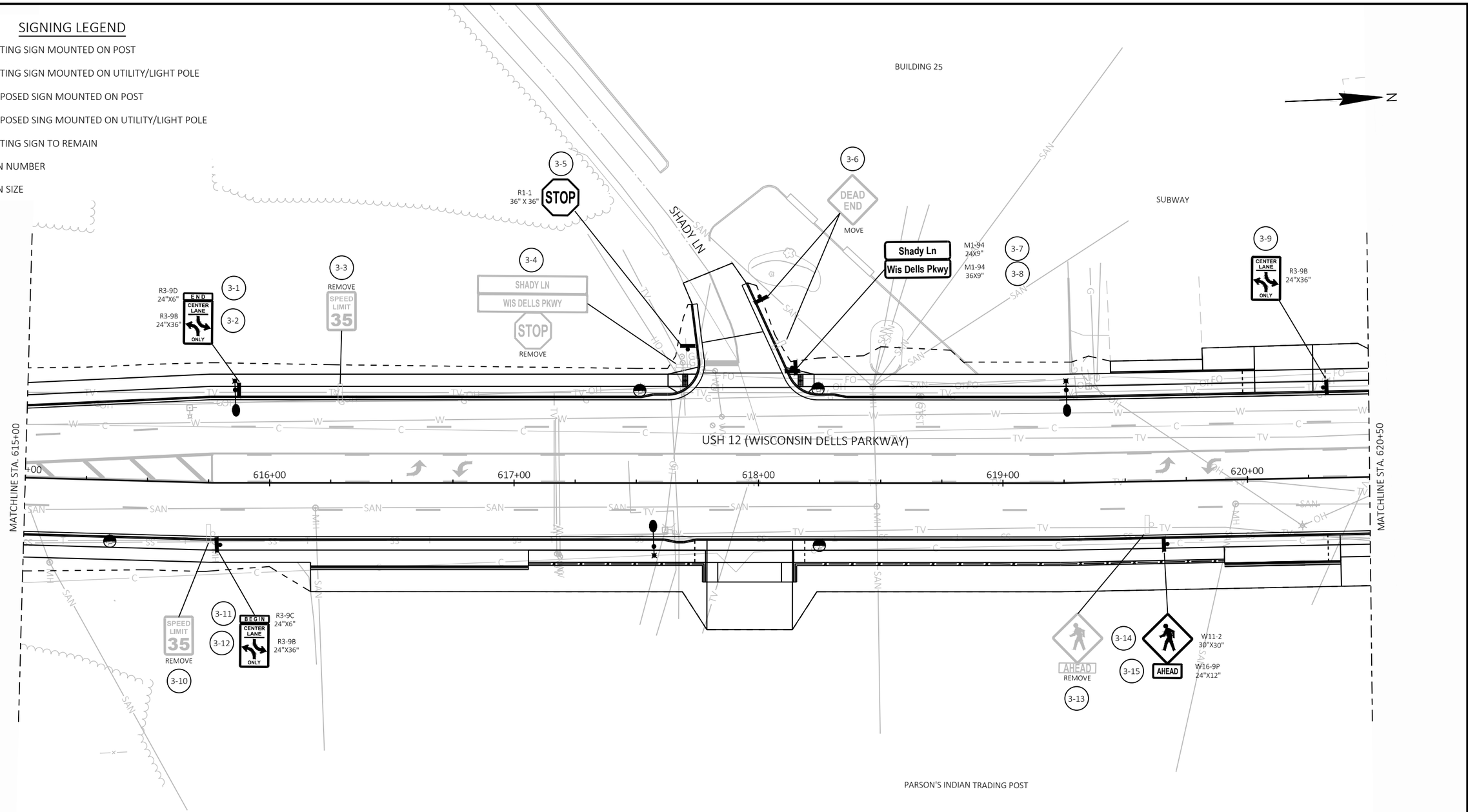
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WISDOT/CADDS SHEET 42

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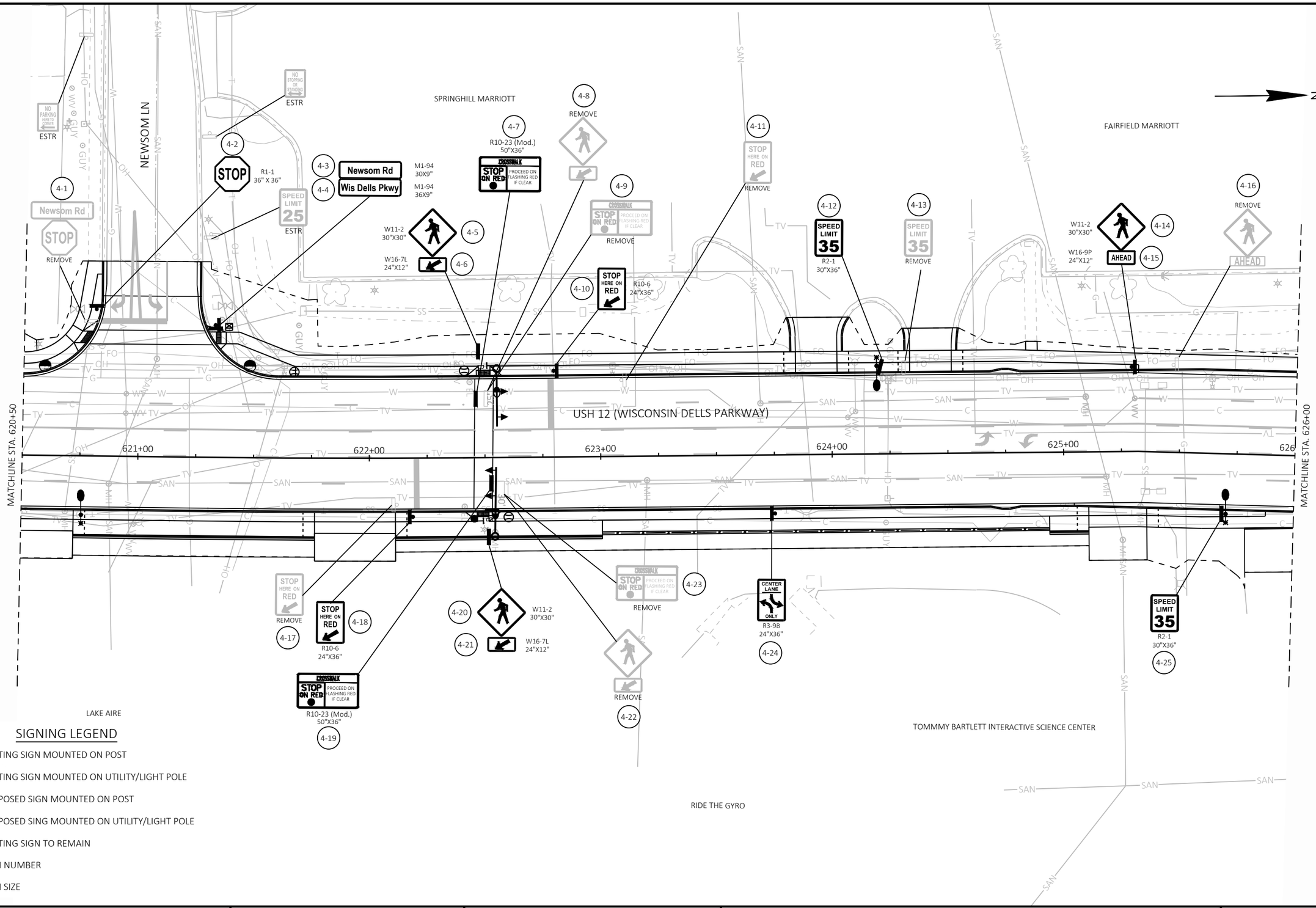


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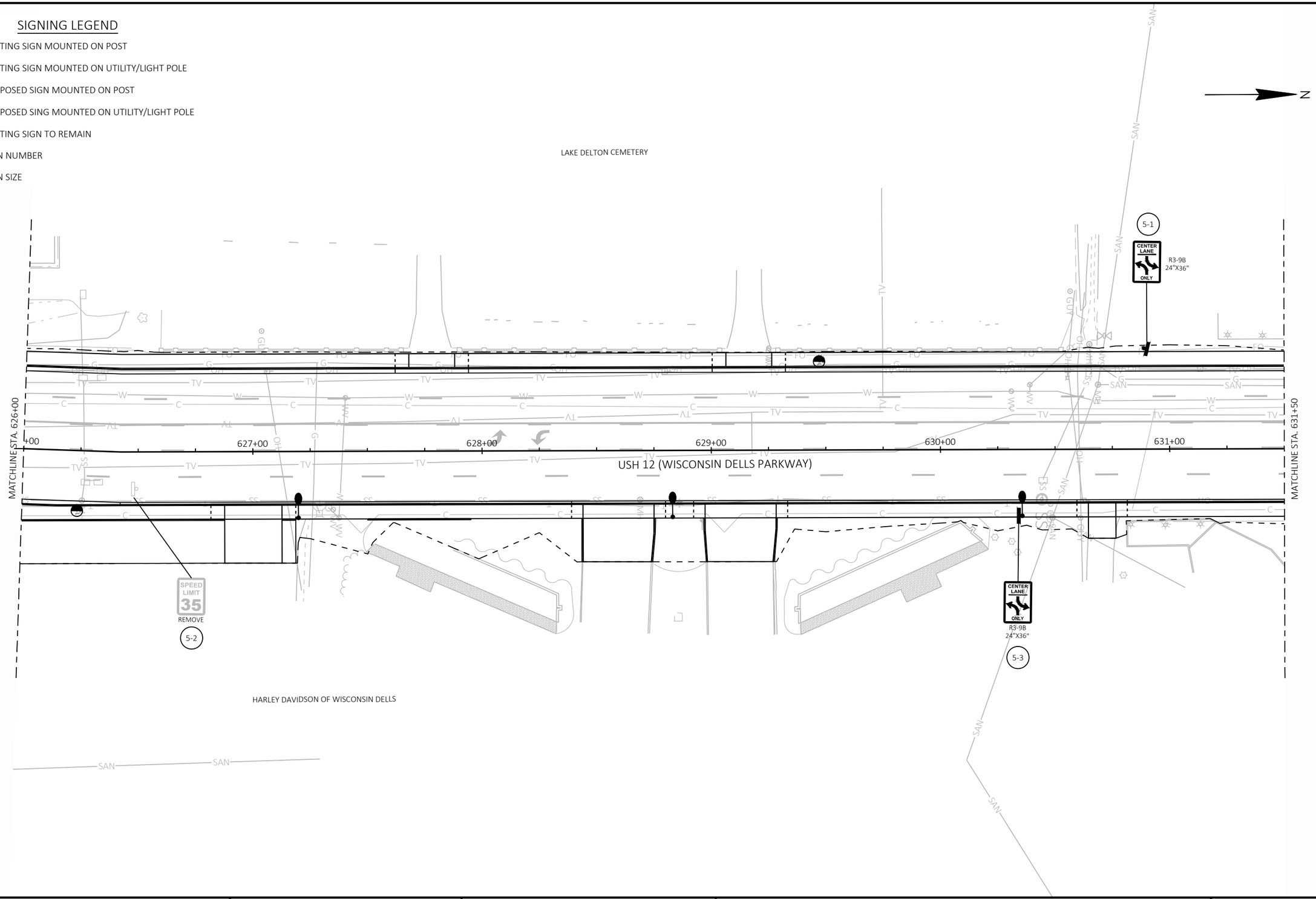
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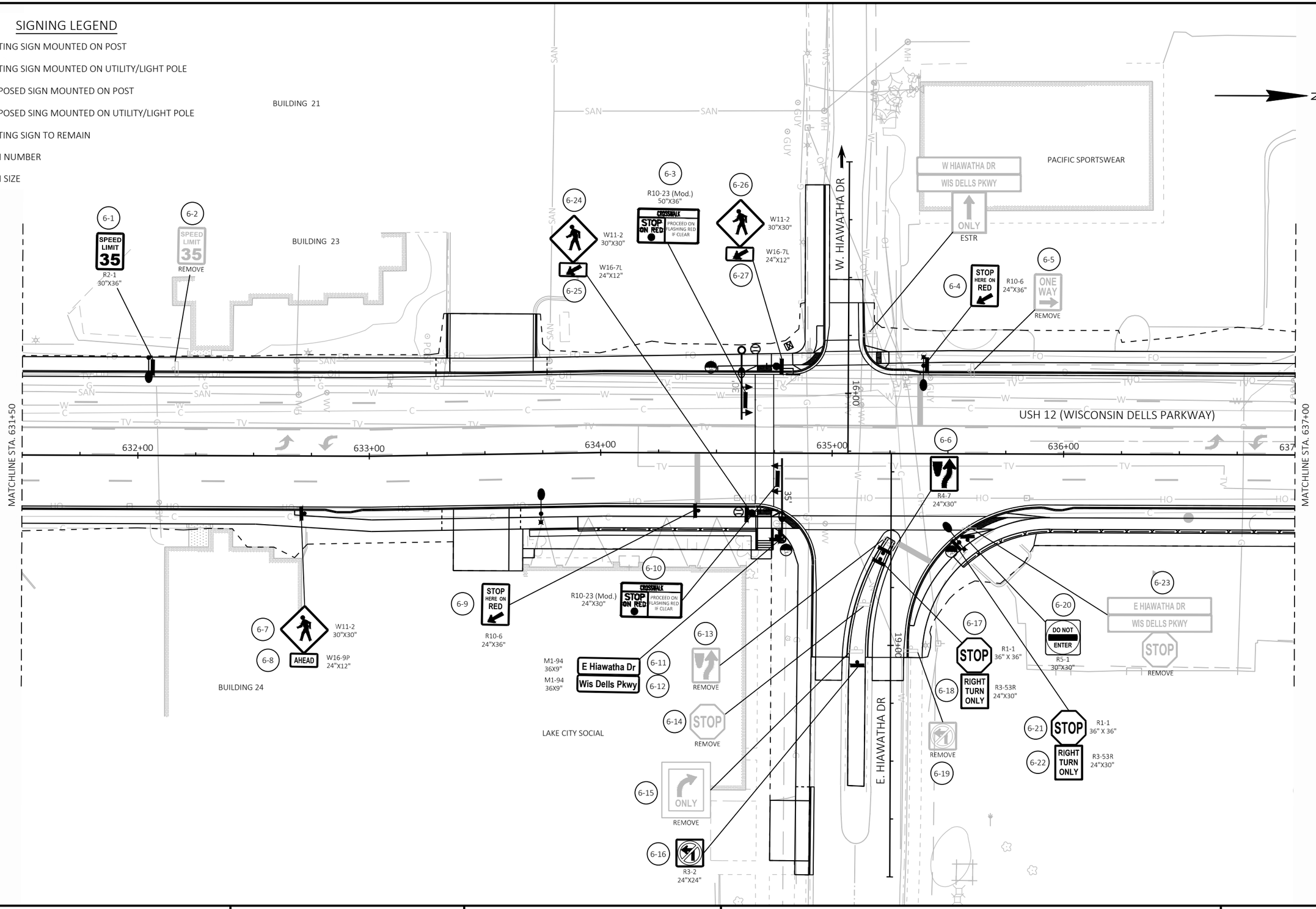
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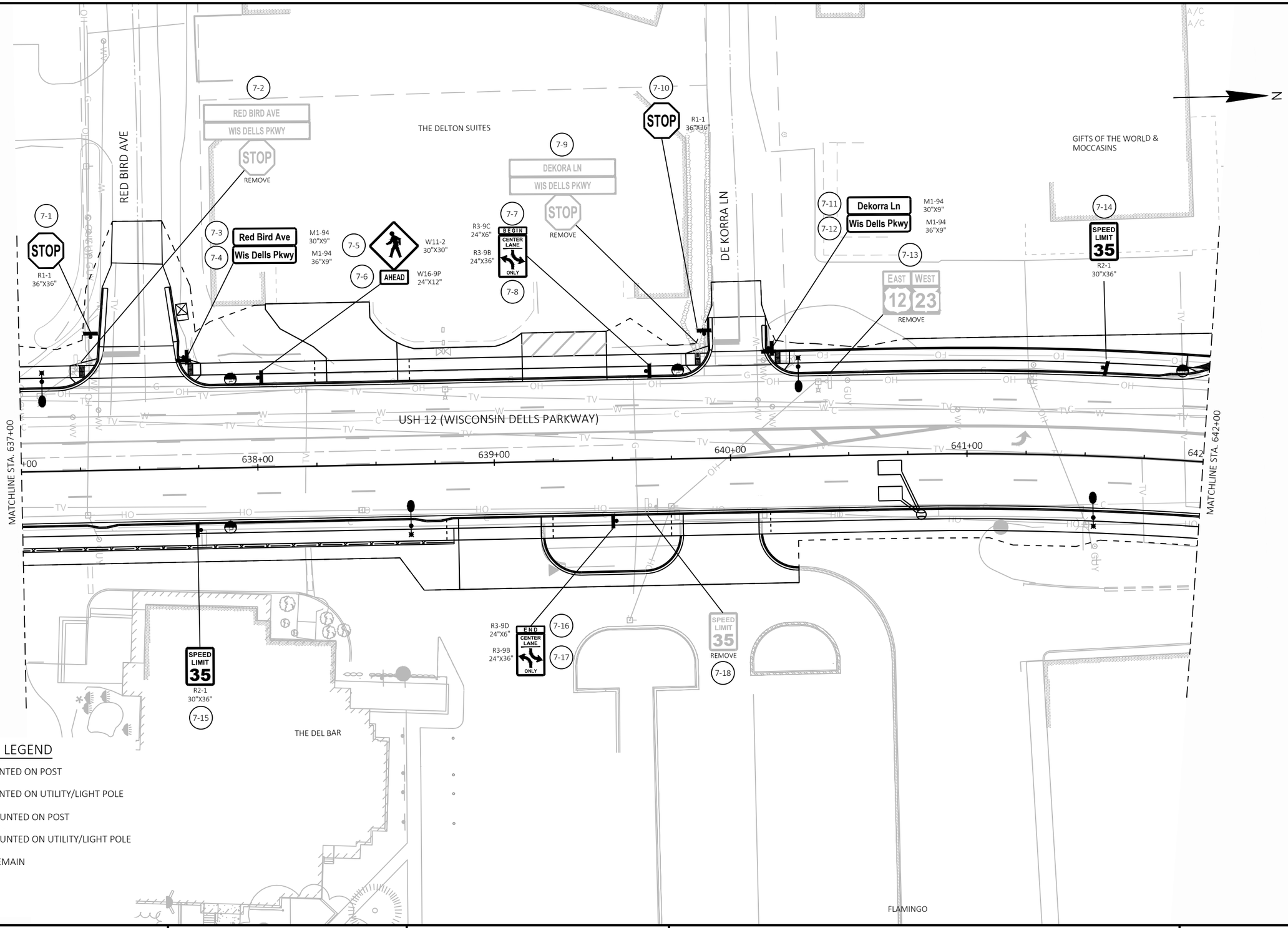
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WISDOT/CADDS SHEET 42

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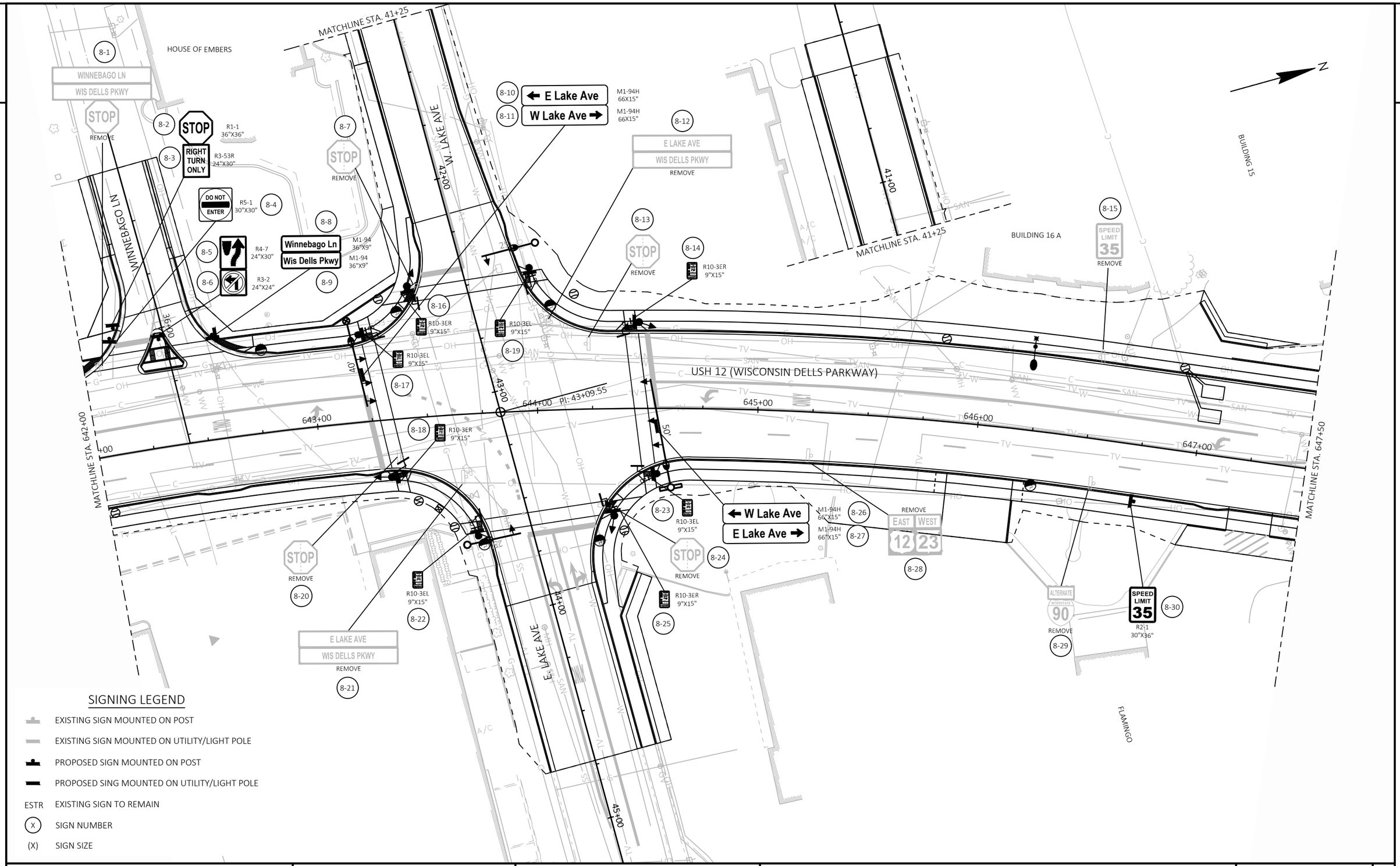
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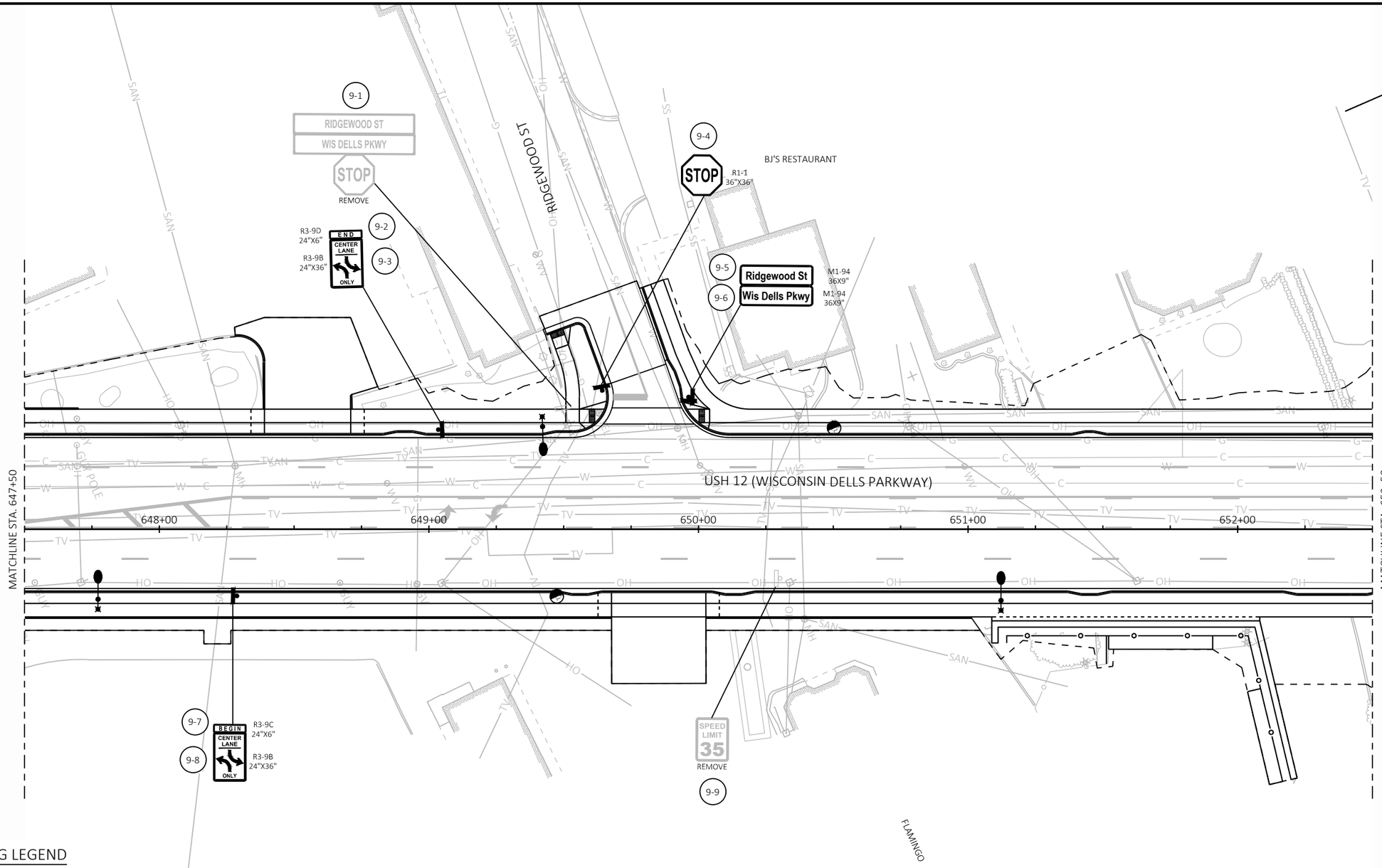


SIGNING LEGEND

- EXISTING SIGN MOUNTED ON POST
- EXISTING SIGN MOUNTED ON UTILITY/LIGHT POLE
- PROPOSED SIGN MOUNTED ON POST
- PROPOSED SING MOUNTED ON UTILITY/LIGHT POLE
- ESTR EXISTING SIGN TO REMAIN
- (X) SIGN NUMBER
- (X) SIGN SIZE

PROJECT NO: 6145-01-73	HWY: USH 12	COUNTY: SAUK	PERMANENT SIGNING	SHEET 303	E

2



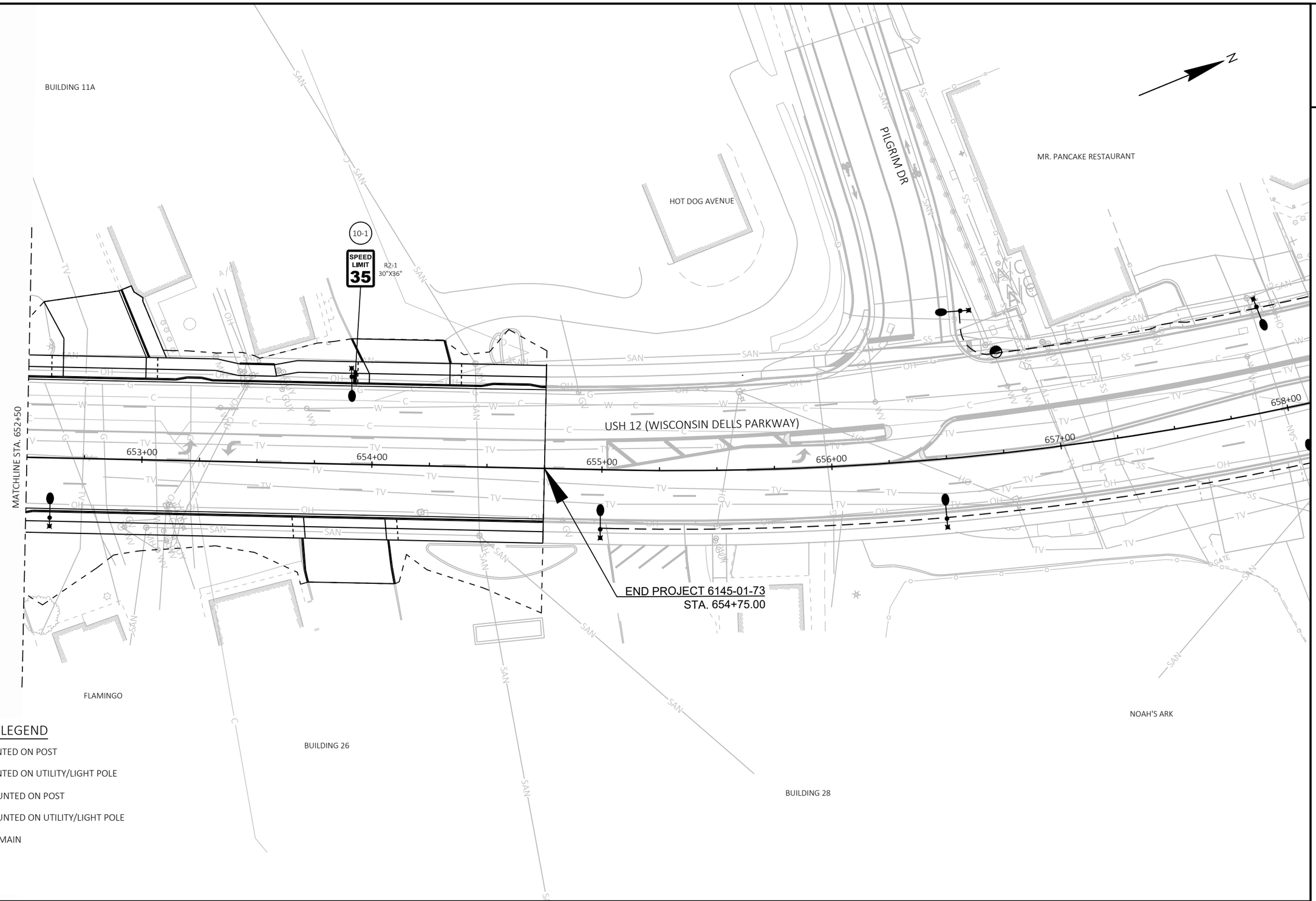
SIGNING LEGEND

- EXISTING SIGN MOUNTED ON POST
- EXISTING SIGN MOUNTED ON UTILITY/LIGHT POLE
- PROPOSED SIGN MOUNTED ON POST
- PROPOSED SING MOUNTED ON UTILITY/LIGHT POLE
- ESTR EXISTING SIGN TO REMAIN
- (X) SIGN NUMBER
- (X) SIGN SIZE

PROJECT NO: 6145-01-73	HWY: USH 12	COUNTY: SAUK	PERMANENT SIGNING	SHEET 304	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-73\023201-PS.DWG
LAYOUT NAME - 023209-ps
PLOT DATE : 6/18/2025 1:32 PM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2



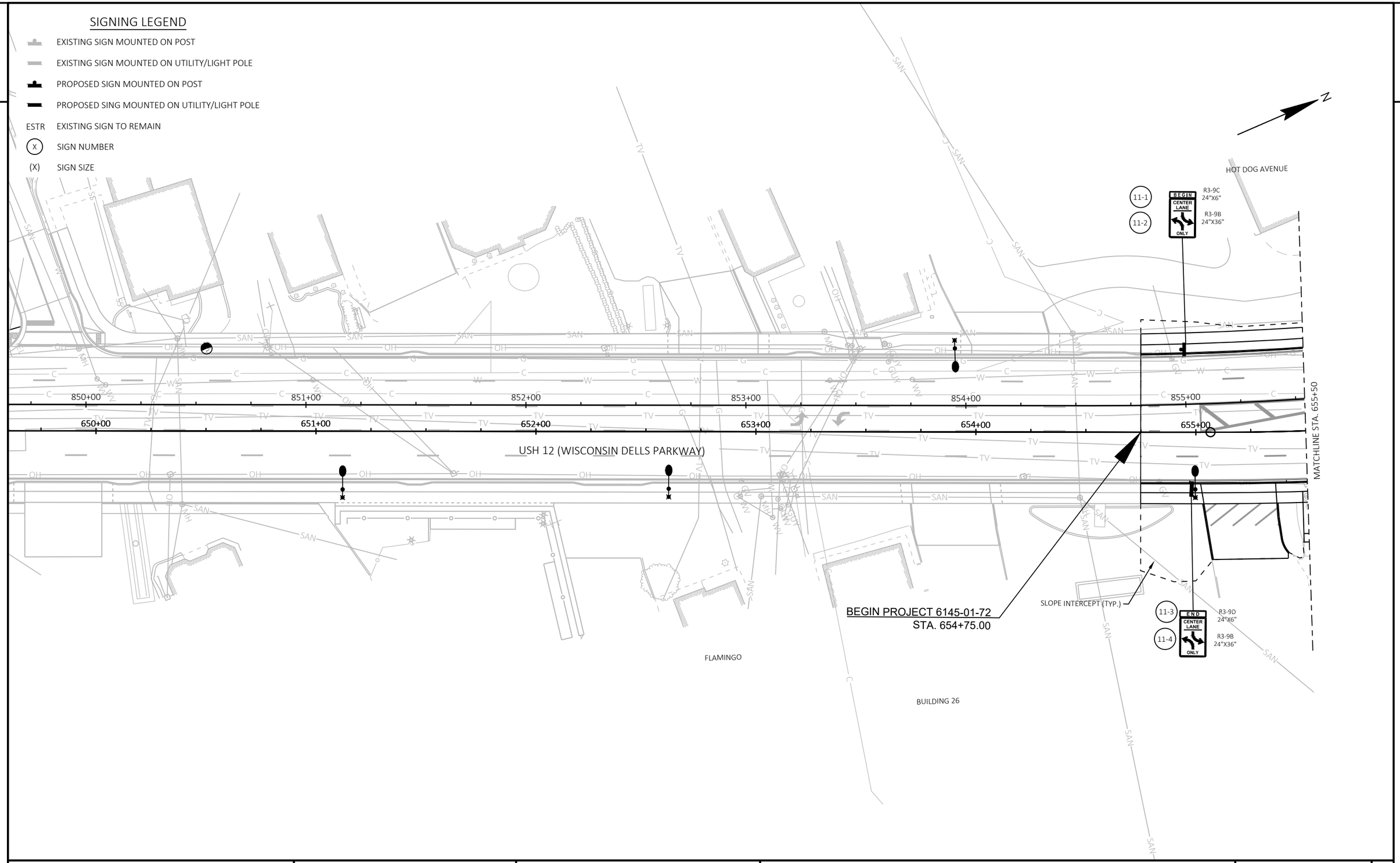
SIGNING LEGEND

- EXISTING SIGN MOUNTED ON POST
- EXISTING SIGN MOUNTED ON UTILITY/LIGHT POLE
- PROPOSED SIGN MOUNTED ON POST
- PROPOSED SING MOUNTED ON UTILITY/LIGHT POLE
- ESTR — EXISTING SIGN TO REMAIN
- (X) — SIGN NUMBER
- (X) — SIGN SIZE

PROJECT NO: 6145-01-73	HWY: USH 12	COUNTY: SAUK	PERMANENT SIGNING	SHEET 305	E

SIGNING LEGEND

- EXISTING SIGN MOUNTED ON POST
- EXISTING SIGN MOUNTED ON UTILITY/LIGHT POLE
- PROPOSED SIGN MOUNTED ON POST
- PROPOSED SING MOUNTED ON UTILITY/LIGHT POLE
- ESTR EXISTING SIGN TO REMAIN
- (X) SIGN NUMBER
- (X) SIGN SIZE



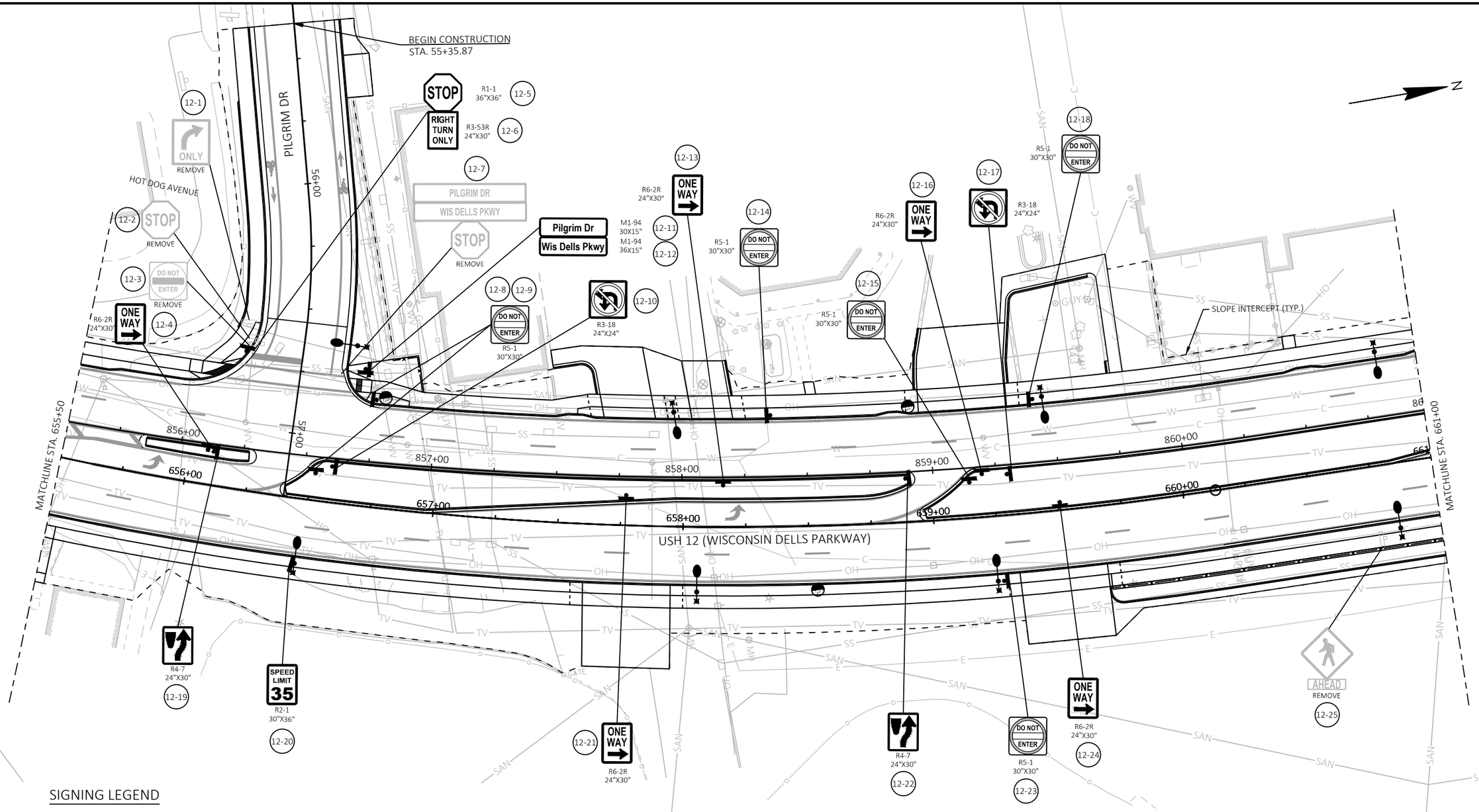
PROJECT NO: 6145-01-72	HWY: USH 12	COUNTY: SAUK	PERMANENT SIGNING	SHEET 306	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-72\023201-PS.DWG
LAYOUT NAME - 023211-ps

PLOT DATE : 6/18/2025 1:34 PM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2



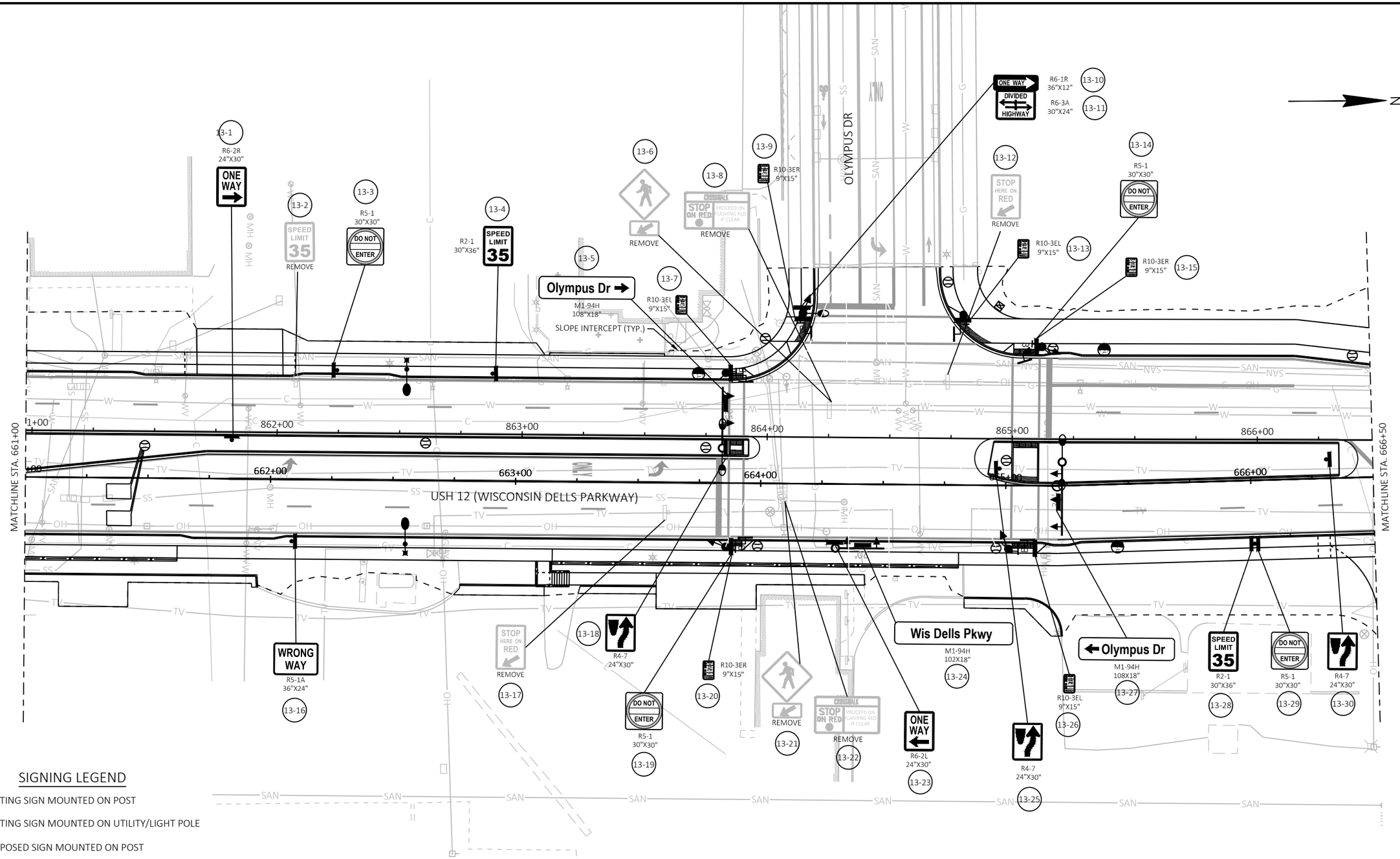
SIGNING LEGEND

- EXISTING SIGN MOUNTED ON POST
- EXISTING SIGN MOUNTED ON UTILITY/LIGHT POLE
- PROPOSED SIGN MOUNTED ON POST
- PROPOSED SING MOUNTED ON UTILITY/LIGHT POLE
- ESTR — EXISTING SIGN TO REMAIN
- (X) — SIGN NUMBER
- (X) — SIGN SIZE

PROJECT NO: 6145-01-72	HWY: USH 12	COUNTY: SAUK	PERMANENT SIGNING	SHEET 307	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-72\023201-PS.DWG
LAYOUT NAME - 023212-ps
PLOT DATE : 6/18/2025 1:34 PM
PLOT BY : CHAPMAN, JULIE
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2



SIGNING LEGEND

- EXISTING SIGN MOUNTED ON POST
- EXISTING SIGN MOUNTED ON UTILITY/LIGHT POLE
- PROPOSED SIGN MOUNTED ON POST
- PROPOSED SING MOUNTED ON UTILITY/LIGHT POLE
- ESTR EXISTING SIGN TO REMAIN
- (X) SIGN NUMBER
- (X) SIGN SIZE

PROJECT NO: 6145-01-72	HWY: USH 12	COUNTY: SAUK	PERMANENT SIGNING	SHEET 308	E

2

N

14-1
14-2
END CENTER LANE ONLY
R3-9D 24"X6"
R3-9B 24"X36"

14-3
AHEAD
REMOVE

14-4
R2-1 30"X36"
SPEED LIMIT 35

SLOPE INTERCEPT (TYP.)

USH 12 (WISCONSIN DELLS PARKWAY)

MATCHLINE STA. 666+50

867+00 868+00 869+00 870+00 871+00 87

667+00 668+00 669+00 670+00 671+00 672

MATCHLINE STA. 672+00

R3-9C 24"X6"
R3-9B 24"X36"
BEGIN CENTER LANE ONLY
14-5
14-6

SPEED LIMIT 35
REMOVE
14-7

SIGNING LEGEND

- EXISTING SIGN MOUNTED ON POST
- EXISTING SIGN MOUNTED ON UTILITY/LIGHT POLE
- PROPOSED SIGN MOUNTED ON POST
- PROPOSED SING MOUNTED ON UTILITY/LIGHT POLE
- ESTR EXISTING SIGN TO REMAIN
- (X) SIGN NUMBER
- (X) SIGN SIZE

PROJECT NO: 6145-01-72	HWY: USH 12	COUNTY: SAUK	PERMANENT SIGNING	SHEET 309	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-72\023201-PS.DWG
LAYOUT NAME - 023214-ps
PLOT DATE : 6/18/2025 1:35 PM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

N

15-1

CENTER LANE ONLY

R3-9B
24"X36"

MATCHLINE STA. 672+00

MATCHLINE STA. 677+50

873+00

874+00

875+00

876+00

877+00

673+00

674+00

675+00

676+00

677+00

USH 12 (WISCONSIN DELLS PARKWAY)

SLOPE INTERCEPT (TYP.)

SPEED LIMIT 35

REMOVE

15-2

SPEED LIMIT 35

R2-1
30"X36"

15-3

CENTER LANE ONLY

R3-9B
24"X36"

15-4

AHEAD

REMOVE

15-5

15-6

W11-2
30"X30"

15-7

AHEAD

W20-50A

SIGNING LEGEND

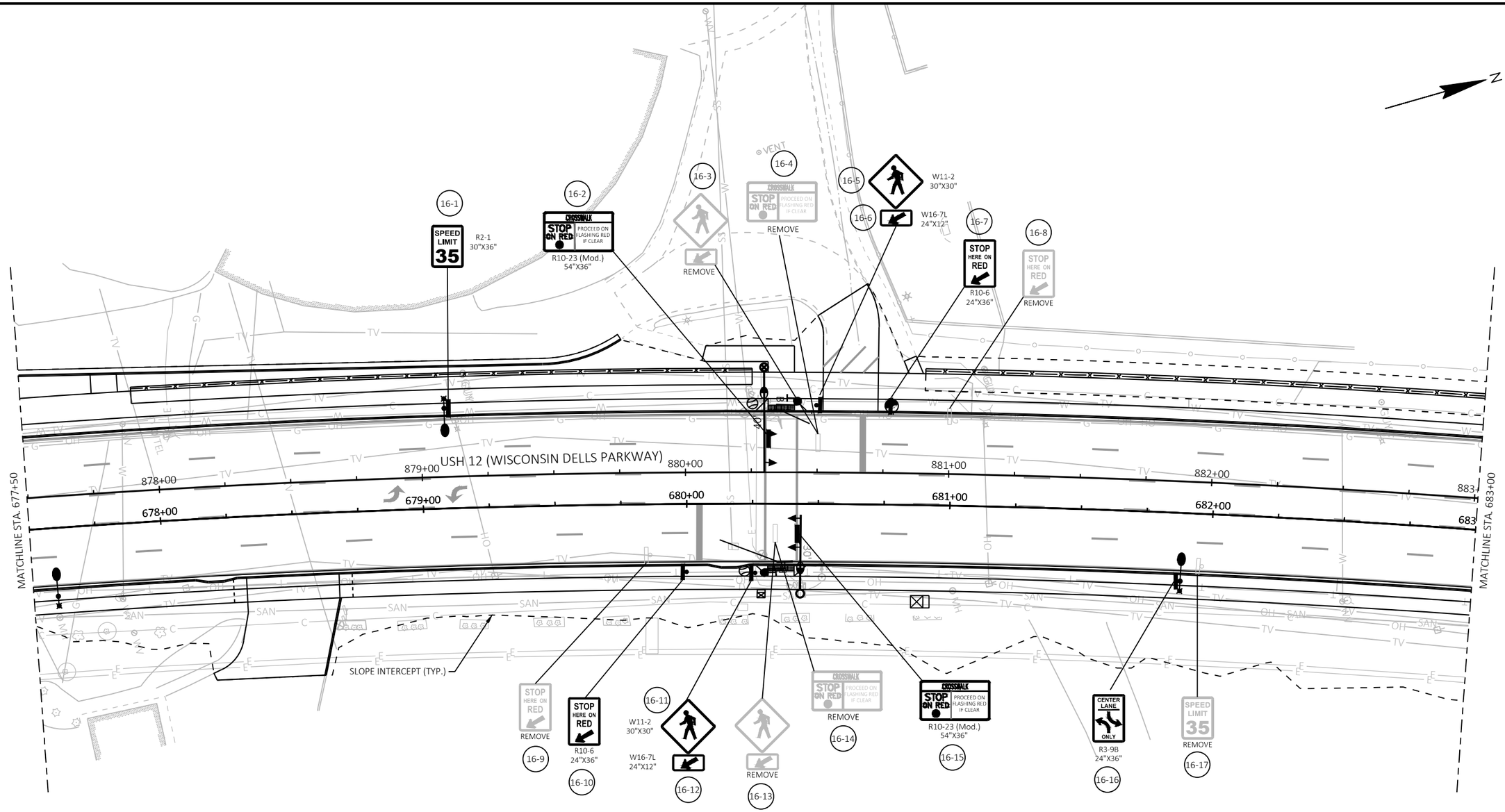
- EXISTING SIGN MOUNTED ON POST
- EXISTING SIGN MOUNTED ON UTILITY/LIGHT POLE
- PROPOSED SIGN MOUNTED ON POST
- PROPOSED SING MOUNTED ON UTILITY/LIGHT POLE
- ESTR EXISTING SIGN TO REMAIN
- (X) SIGN NUMBER
- (X) SIGN SIZE

PROJECT NO: 6145-01-72	HWY: USH 12	COUNTY: SAUK	PERMANENT SIGNING	SHEET 310	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-72\023201-PS.DWG
LAYOUT NAME - 023215-ps

PLOT DATE : 6/18/2025 1:35 PM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:40 FT

2



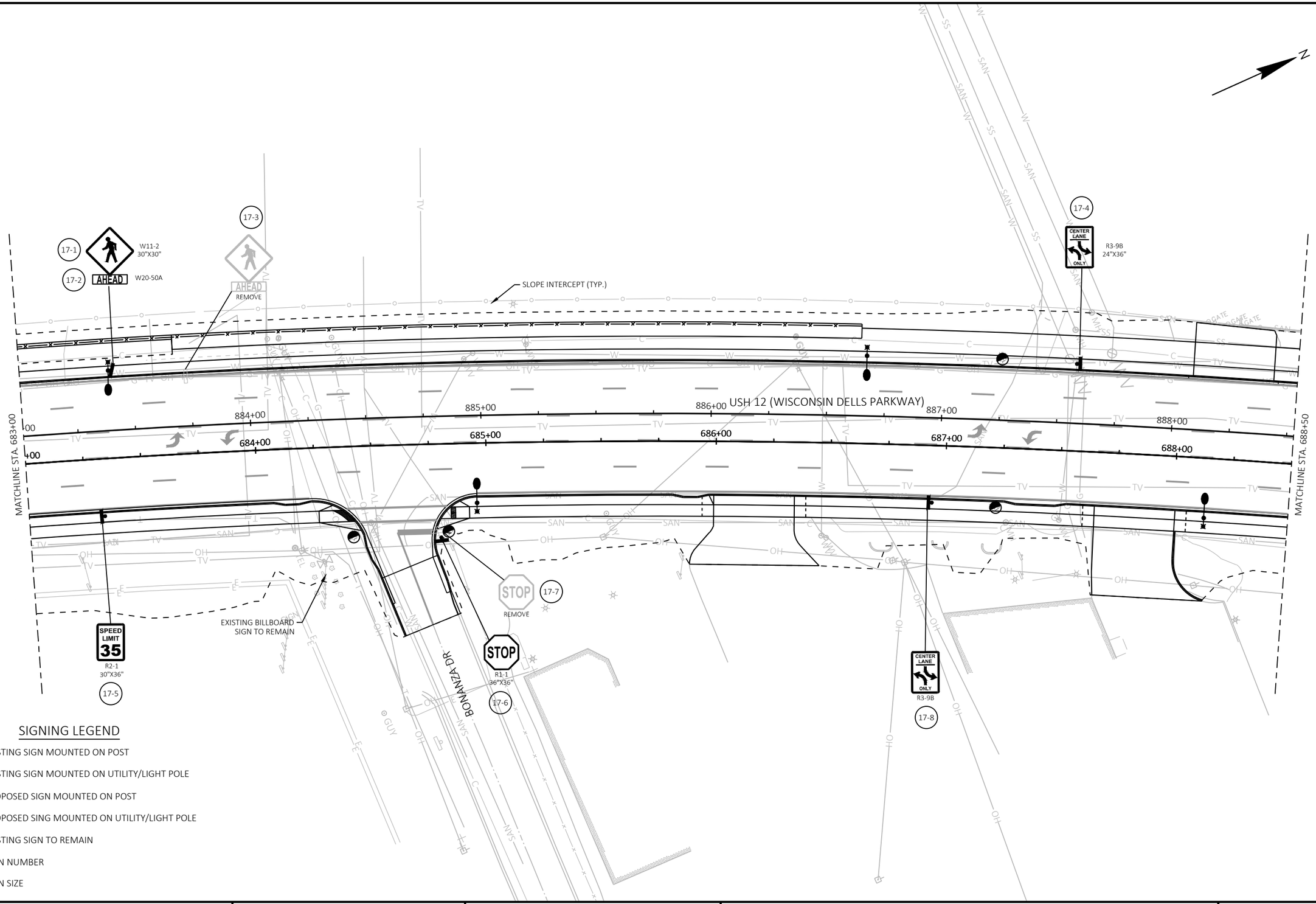
SIGNING LEGEND

- EXISTING SIGN MOUNTED ON POST
- EXISTING SIGN MOUNTED ON UTILITY/LIGHT POLE
- PROPOSED SIGN MOUNTED ON POST
- PROPOSED SING MOUNTED ON UTILITY/LIGHT POLE
- ESTR EXISTING SIGN TO REMAIN
- (X) SIGN NUMBER
- (X) SIGN SIZE

PROJECT NO: 6145-01-72	HWY: USH 12	COUNTY: SAUK	PERMANENT SIGNING	SHEET 311	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-72\023201-PS.DWG
LAYOUT NAME - 023216-ps
PLOT DATE : 6/18/2025 1:36 PM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2



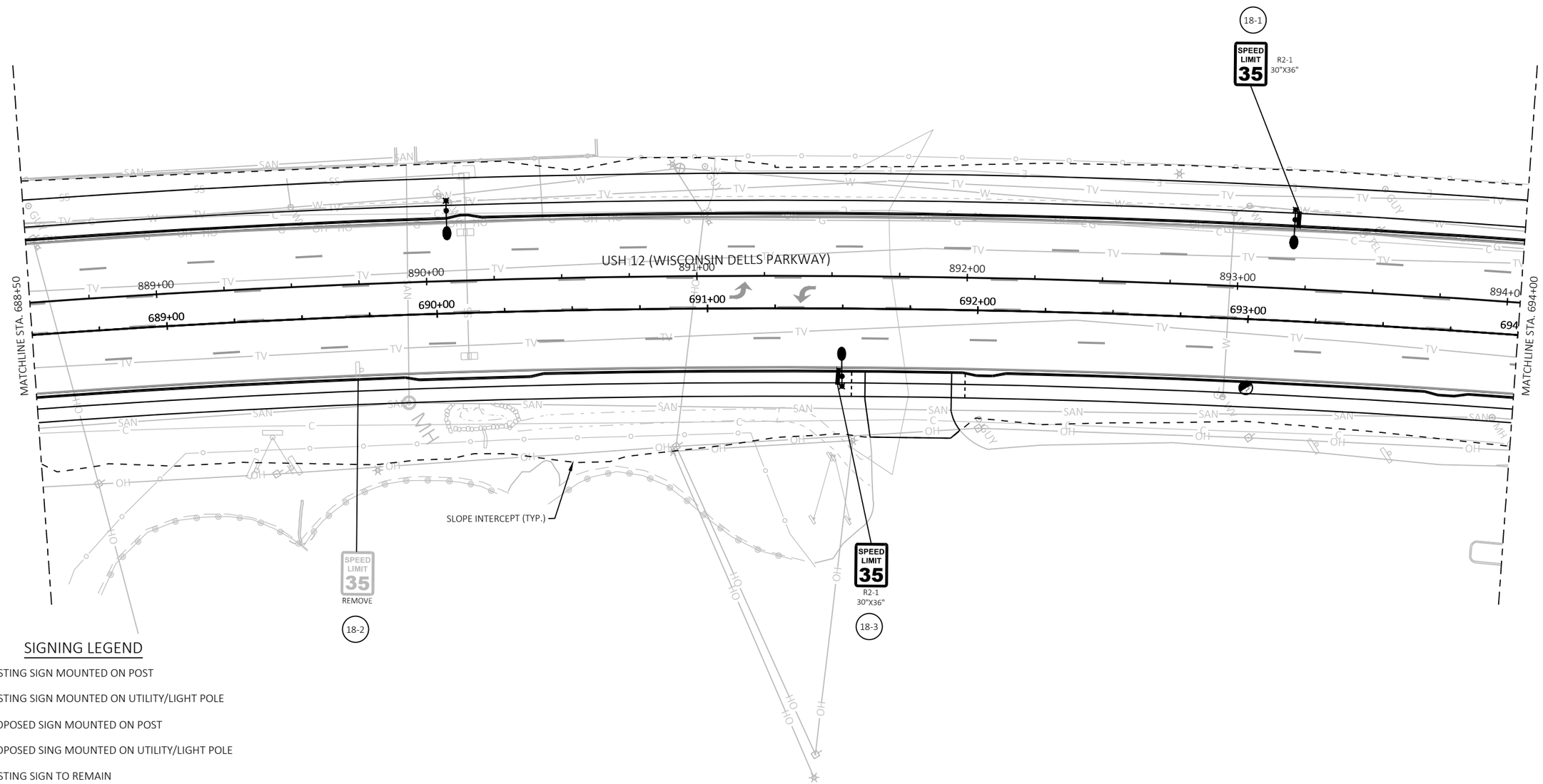
SIGNING LEGEND

- EXISTING SIGN MOUNTED ON POST
- EXISTING SIGN MOUNTED ON UTILITY/LIGHT POLE
- PROPOSED SIGN MOUNTED ON POST
- PROPOSED SING MOUNTED ON UTILITY/LIGHT POLE
- ESTR EXISTING SIGN TO REMAIN
- (X) SIGN NUMBER
- (X) SIGN SIZE

PROJECT NO: 6145-01-72	HWY: USH 12	COUNTY: SAUK	PERMANENT SIGNING	SHEET 312	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-72\023201-PS.DWG
LAYOUT NAME - 023217-ps
PLOT DATE : 6/18/2025 1:36 PM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2



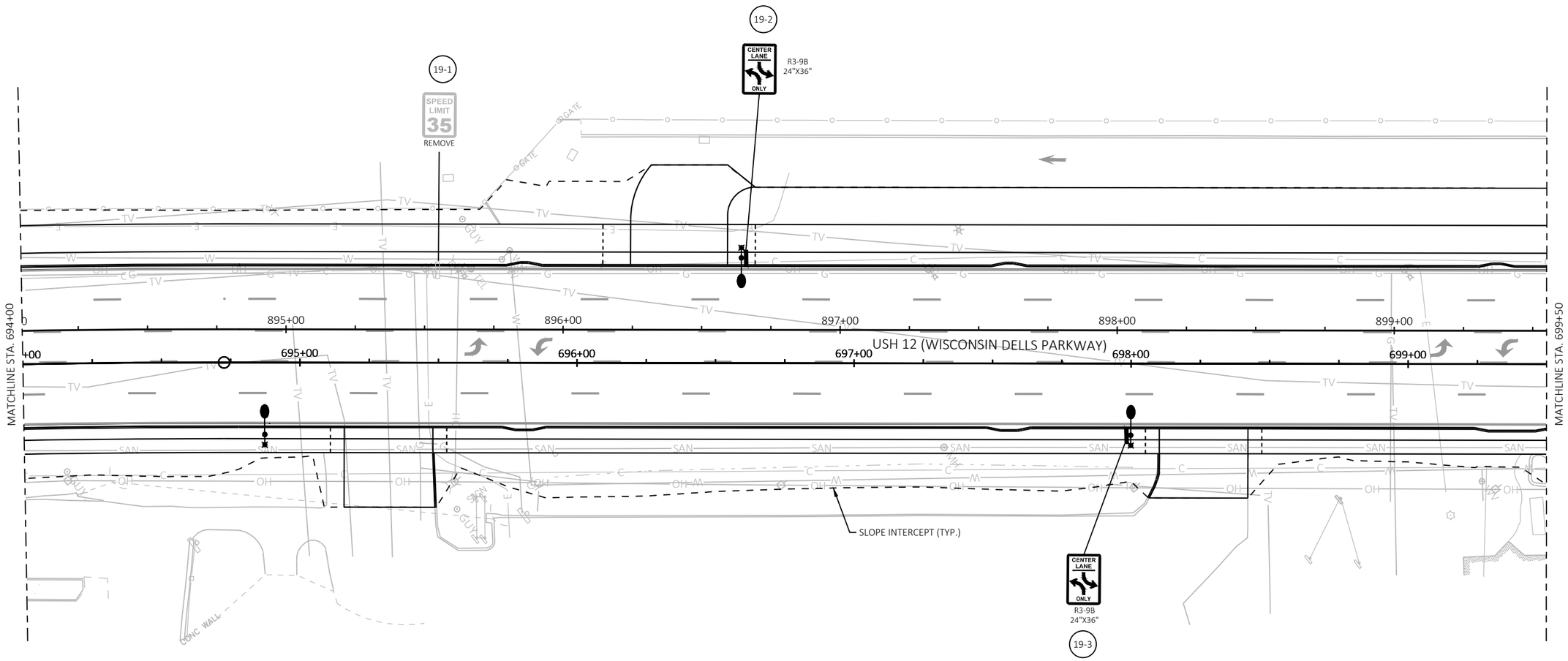
SIGNING LEGEND

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- EXISTING SIGN MOUNTED ON UTILITY/LIGHT POLE
- PROPOSED SIGN MOUNTED ON POST
- PROPOSED SING MOUNTED ON UTILITY/LIGHT POLE
- ESTR EXISTING SIGN TO REMAIN
- (X) SIGN NUMBER
- (X) SIGN SIZE

PROJECT NO: 6145-01-72	HWY: USH 12	COUNTY: SAUK	PERMANENT SIGNING	SHEET 313	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-72\023201-PS.DWG
LAYOUT NAME - 023218-ps
PLOT DATE : 6/18/2025 1:36 PM
PLOT BY : CHAPMAN, JULIE
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

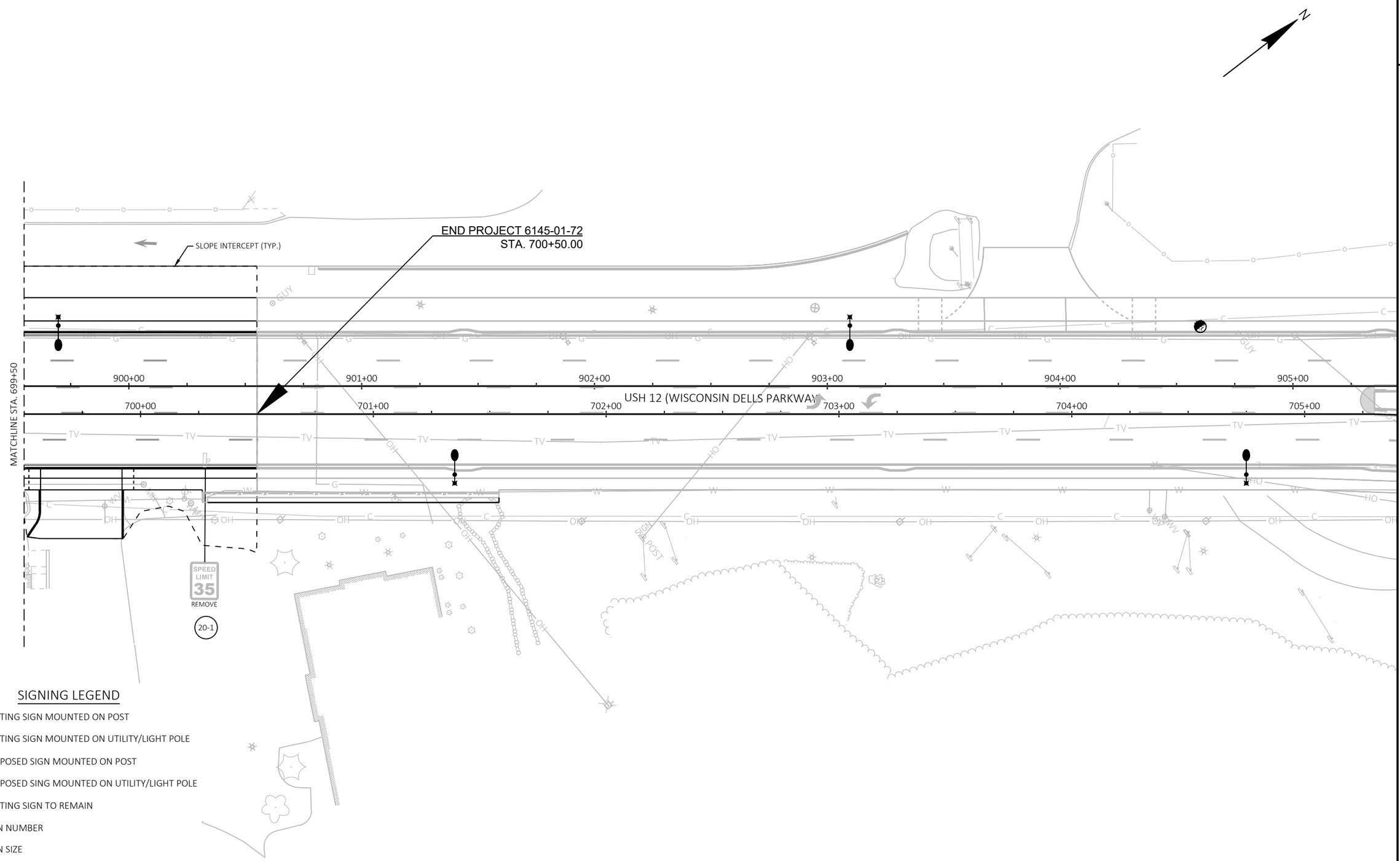


SIGNING LEGEND

- EXISTING SIGN MOUNTED ON POST
- EXISTING SIGN MOUNTED ON UTILITY/LIGHT POLE
- PROPOSED SIGN MOUNTED ON POST
- PROPOSED SING MOUNTED ON UTILITY/LIGHT POLE
- ESTR — EXISTING SIGN TO REMAIN
- (X) — SIGN NUMBER
- (X) — SIGN SIZE

PROJECT NO: 6145-01-72	HWY: USH 12	COUNTY: SAUK	PERMANENT SIGNING	SHEET 314	E

2



SIGNING LEGEND

- EXISTING SIGN MOUNTED ON POST
- EXISTING SIGN MOUNTED ON UTILITY/LIGHT POLE
- PROPOSED SIGN MOUNTED ON POST
- PROPOSED SING MOUNTED ON UTILITY/LIGHT POLE
- ESTR EXISTING SIGN TO REMAIN
- (X) SIGN NUMBER
- (X) SIGN SIZE

PROJECT NO: 6145-01-72	HWY: USH 12	COUNTY: SAUK	PERMANENT SIGNING	SHEET 315	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-72\023201-PS.DWG
LAYOUT NAME - 023220-ps
PLOT DATE : 6/26/2025 12:00 PM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

2

BEGIN PROJECT 6145-01-74
STA. 700+50.00

897+00 898+00 899+00 900+00 901+00 902+00

697+00 698+00 699+00 700+00 701+00 702+00

USH 12 (WISCONSIN DELLS PARKWAY)

MATCHLINE STA. 702+50

SLOPE INTERCEPT (TYP.)

R2-1
30"X36"

SPEED LIMIT 35

21-1

BUILDING 31 B

BUILDING 31 A

SIGNING LEGEND

- EXISTING SIGN MOUNTED ON POST
- EXISTING SIGN MOUNTED ON UTILITY/LIGHT POLE
- PROPOSED SIGN MOUNTED ON POST
- PROPOSED SING MOUNTED ON UTILITY/LIGHT POLE
- ESTR EXISTING SIGN TO REMAIN
- (X) SIGN NUMBER
- (X) SIGN SIZE

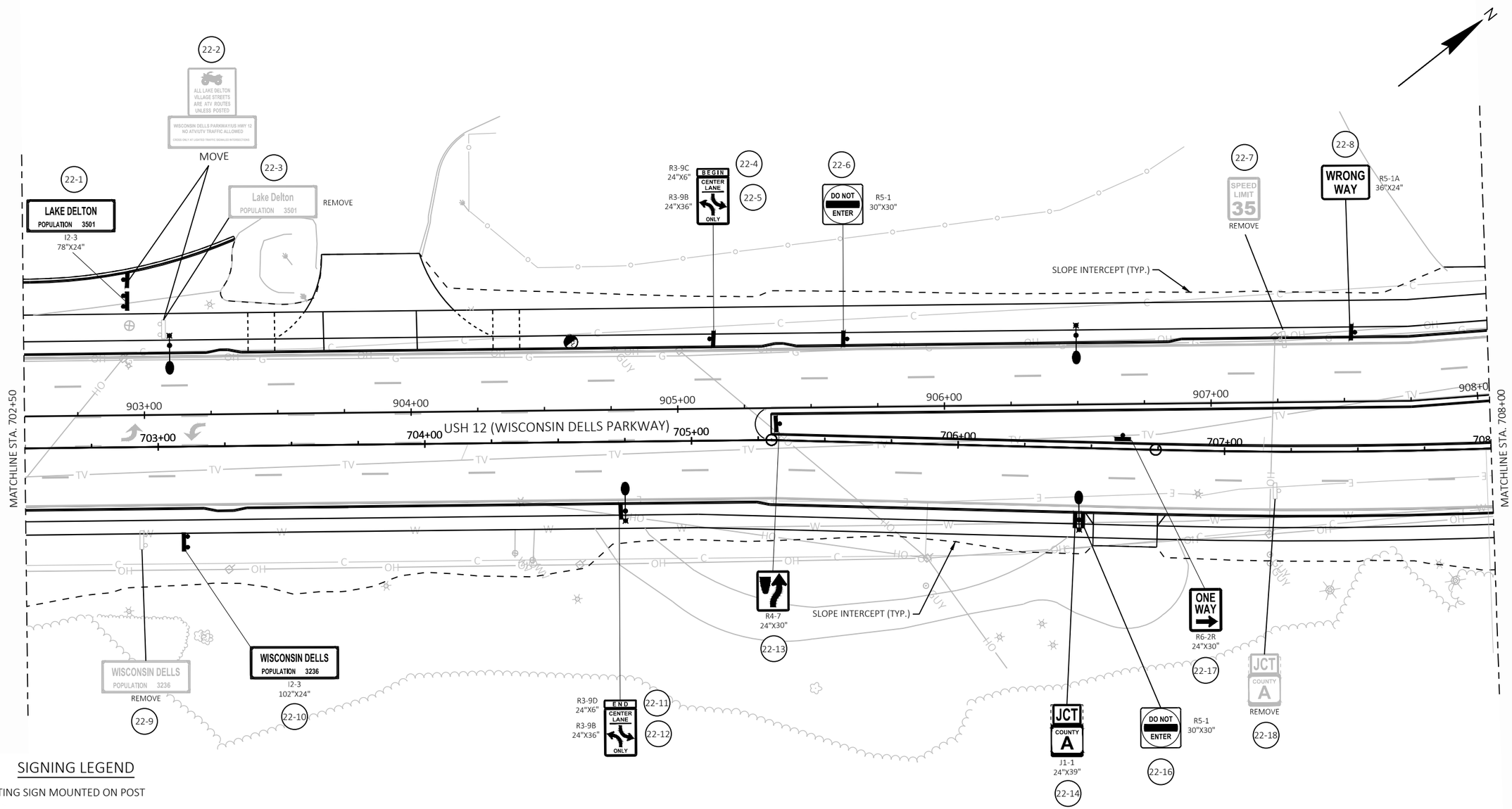
PROJECT NO: 6145-01-74	HWY: USH 12	COUNTY: SAUK	PERMANENT SIGNING	SHEET 316	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-74\023201-PS.DWG
LAYOUT NAME - 023223-ps

PLOT DATE : 6/18/2025 1:37 PM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2



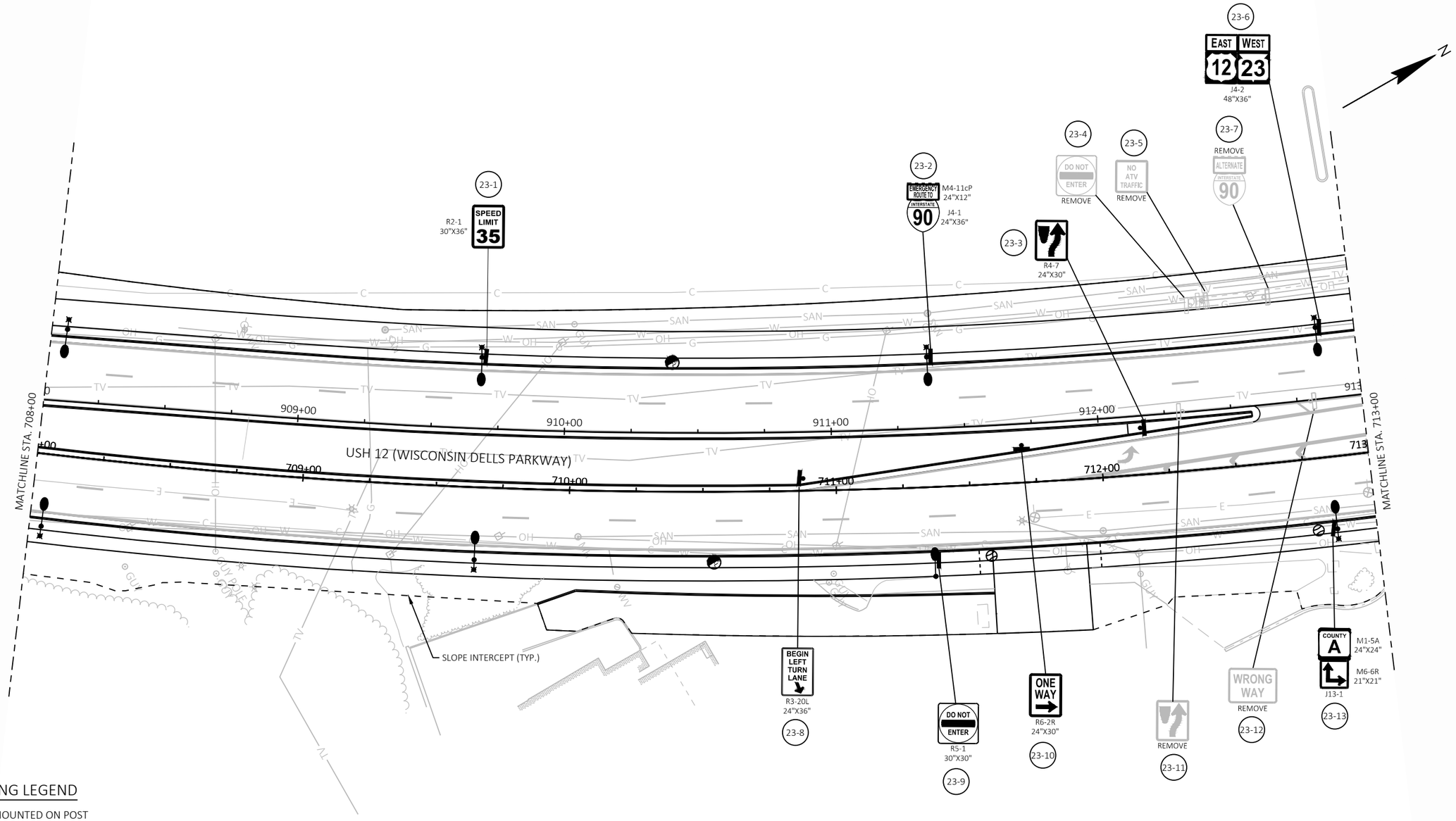
SIGNING LEGEND

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- PROPOSED SING MOUNTED ON UTILITY/LIGHT POLE
- ESTR EXISTING SIGN TO REMAIN
- (X) SIGN NUMBER
- (X) SIGN SIZE

PROJECT NO: 6145-01-74	HWY: USH 12	COUNTY: SAUK	PERMANENT SIGNING	SHEET 317	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-74\023201-PS.DWG
LAYOUT NAME - 023224-ps
PLOT DATE : 6/18/2025 1:37 PM
PLOT BY : CHAPMAN, JULIE
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2



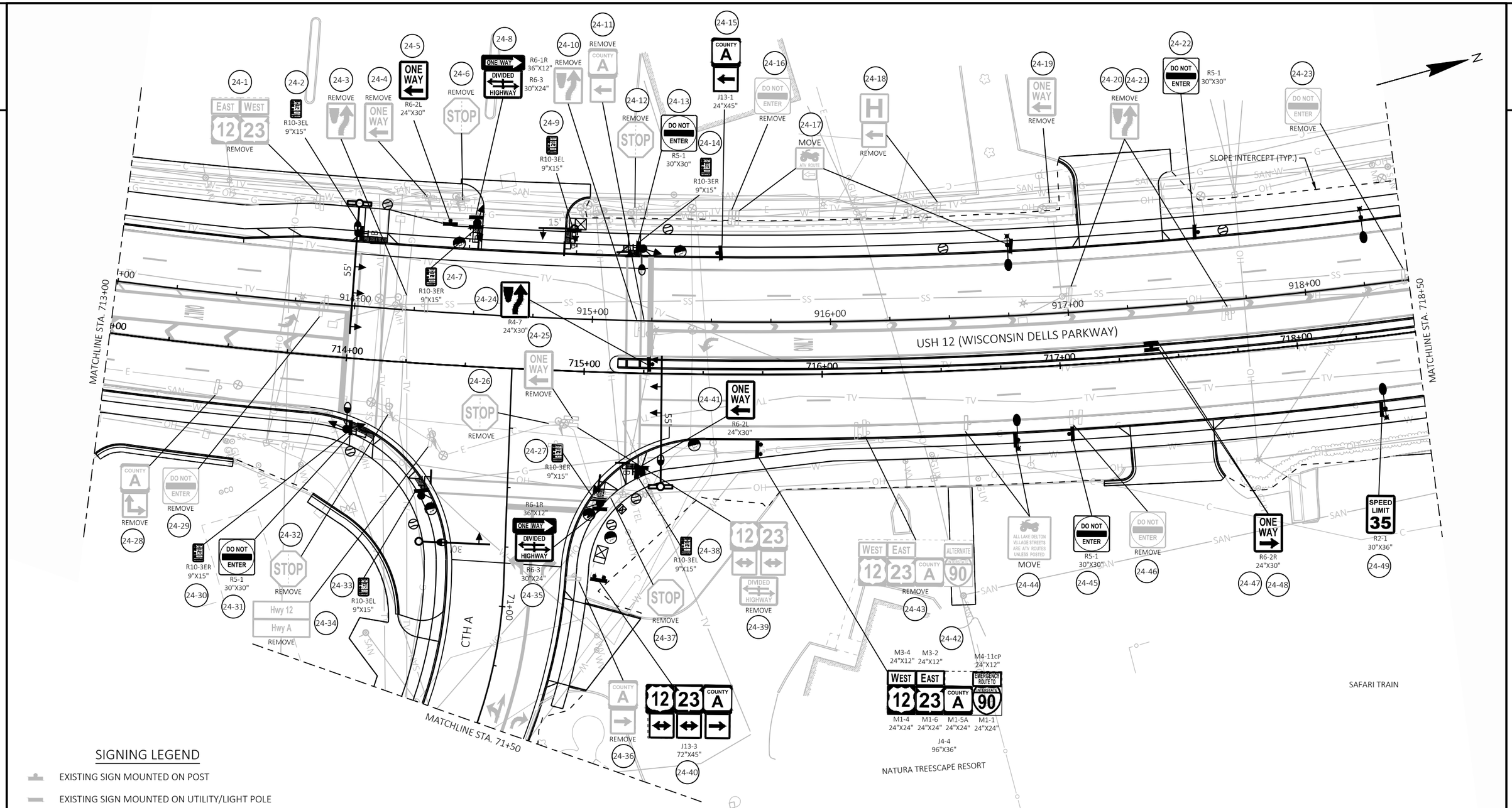
SIGNING LEGEND

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- EXISTING SIGN MOUNTED ON UTILITY/LIGHT POLE
- PROPOSED SIGN MOUNTED ON POST
- PROPOSED SING MOUNTED ON UTILITY/LIGHT POLE
- ESTR — EXISTING SIGN TO REMAIN
- (X) — SIGN NUMBER
- (X) — SIGN SIZE

PROJECT NO: 6145-01-74	HWY: USH 12	COUNTY: SAUK	PERMANENT SIGNING	SHEET 318	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-74\023201-PS.DWG
LAYOUT NAME - 023225-ps
PLOT DATE : 6/18/2025 1:37 PM
PLOT BY : CHAPMAN, JULIE
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

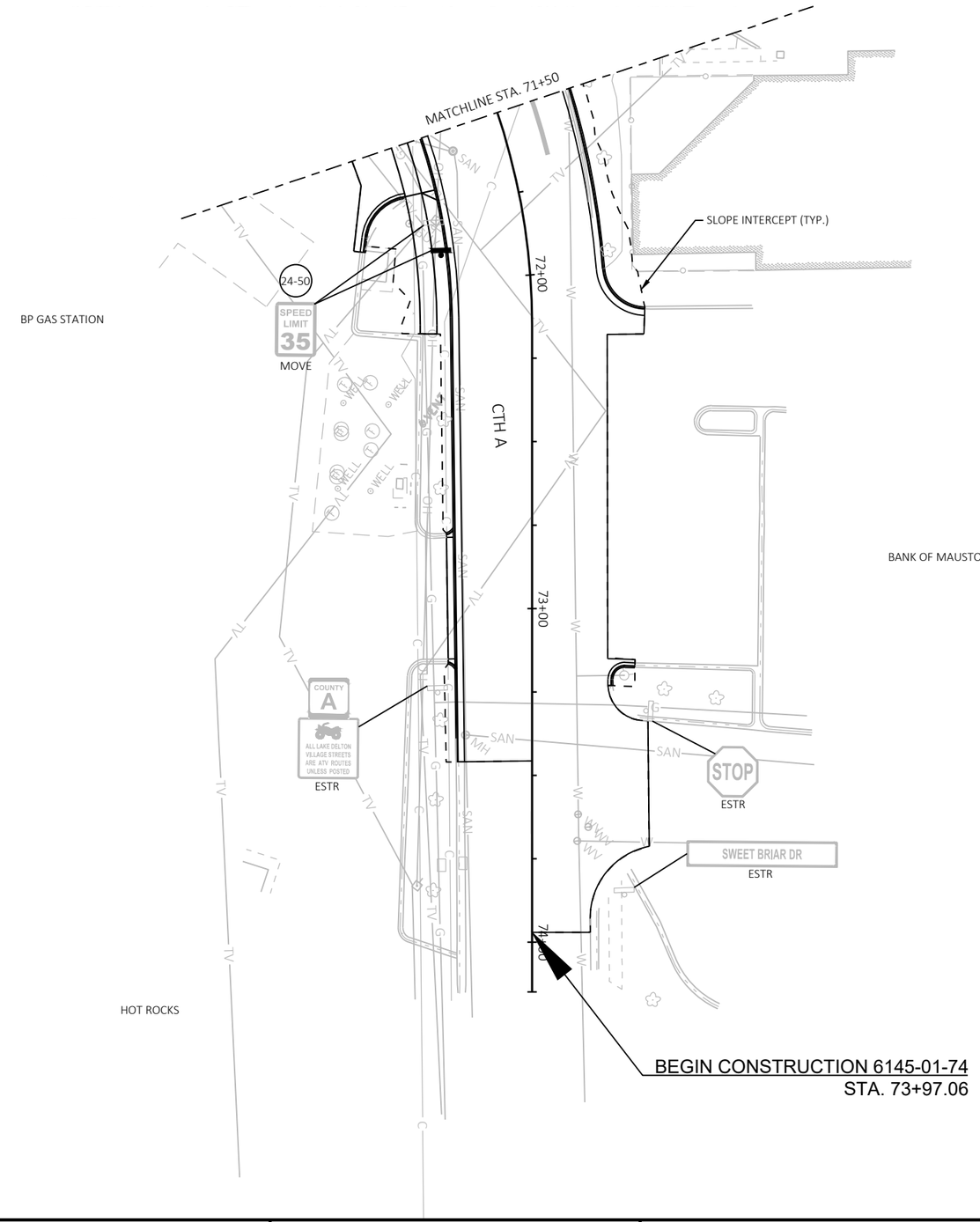


SIGNING LEGEND

- EXISTING SIGN MOUNTED ON POST
- EXISTING SIGN MOUNTED ON UTILITY/LIGHT POLE
- PROPOSED SIGN MOUNTED ON POST
- PROPOSED SING MOUNTED ON UTILITY/LIGHT POLE
- ESTR EXISTING SIGN TO REMAIN
- (X) SIGN NUMBER
- (X) SIGN SIZE

PROJECT NO: 6145-01-74	HWY: USH 12	COUNTY: SAUK	PERMANENT SIGNING	SHEET 319	E

2



SIGNING LEGEND

- EXISTING SIGN MOUNTED ON POST
- EXISTING SIGN MOUNTED ON UTILITY/LIGHT POLE
- PROPOSED SIGN MOUNTED ON POST
- PROPOSED SING MOUNTED ON UTILITY/LIGHT POLE
- ESTR EXISTING SIGN TO REMAIN
- (X) SIGN NUMBER
- (X) SIGN SIZE

PROJECT NO: 6145-01-74	HWY: USH 12	COUNTY: SAUK	PERMANENT SIGNING	SHEET 320	E

2

GHOST OUTPOST

FORT DELLS LASER OPS COMPOUND

N

MATCHLINE STA. 718+50

MATCHLINE STA. 724+00

USH 12 (WISCONSIN DELLS PARKWAY)

DELLSHIRE DRIVE

SLOPE INTERCEPT (TYP.)

25-1 R2-1 30"X36" SPEED LIMIT 35

25-2 WRONG WAY REMOVE

25-3 R3-20L 24"X36" BEGIN LEFT TURN LANE

25-4 COUNTY A M1-5A 24"X24" M5-1L 21"X21" J12-1 24"X45"

25-5 REMOVE SPEED LIMIT 35

25-6 REMOVE

25-7 DellShire Dr M1-94H 108"X18" 55'

25-8 R10-3EL 9"X15"

25-9 ONE WAY R6-2L 24"X30" R10-3ER 9"X15"

25-10 ONE WAY DIVIDED HIGHWAY R6-1R 36"X12" R6-3 30"X24"

25-11 ONE WAY REMOVE

25-12 Wis Dells Pkwy M1-94H 102X18"

25-13 DO NOT ENTER REMOVE

25-14 REMOVE COUNTY A

25-15 R10-3EL 9"X15"

25-16 DO NOT ENTER R5-1 30"X30"

25-17 BEGIN LEFT TURN LANE R3-20L 24"X36"

25-18 SPEED LIMIT 35 REMOVE

25-19

25-20 WRONG WAY R5-1A 36"X24"

25-21 R4-7 24"X30"

25-22 R10-3ER 9"X15"

25-23 DO NOT ENTER R5-1 30"X30"

25-24 DO NOT ENTER REMOVE

25-25 Wis Dells Pkwy M1-94H 102X18"

25-26 ONE WAY DIVIDED HIGHWAY R6-1R 36"X12" R6-3 30"X24"

25-27 ONE WAY REMOVE

25-28 ONE WAY R6-2L 24"X30"

25-29 DellShire Dr M1-94H 108X18"

25-30 R4-7 24"X30"

SIGNING LEGEND

- EXISTING SIGN MOUNTED ON POST
- EXISTING SIGN MOUNTED ON UTILITY/LIGHT POLE
- PROPOSED SIGN MOUNTED ON POST
- PROPOSED SING MOUNTED ON UTILITY/LIGHT POLE
- ESTR EXISTING SIGN TO REMAIN
- (X) SIGN NUMBER
- (X) SIGN SIZE

GOODY GOODY GUMDROP

PROJECT NO: 6145-01-74	HWY: USH 12	COUNTY: SAUK	PERMANENT SIGNING	SHEET 321	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-74\023201-PS.DWG
LAYOUT NAME - 023228-ps
PLOT DATE : 6/18/2025 1:38 PM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

LOST TEMPLE

N

26-1

R5-1A
36"X24"

WRONG WAY

26-2

BEGIN LEFT TURN LANE

R3-20L
24"X36"

SLOPE INTERCEPT (TYP.)

924+00

925+00

926+00

927+00

928+00

729

MATCHLINE STA. 724+00

MATCHLINE STA. 729+00

USH 12 (WISCONSIN DELLS PARKWAY)

725+00

726+00

727+00

728+00

SLOPE INTERCEPT (TYP.)

SPEED LIMIT 35

R2-1
30"X36"

26-3

SPEED LIMIT 35

REMOVE

26-4

26-5

YIELD

REMOVE

26-6

SIGNING LEGEND

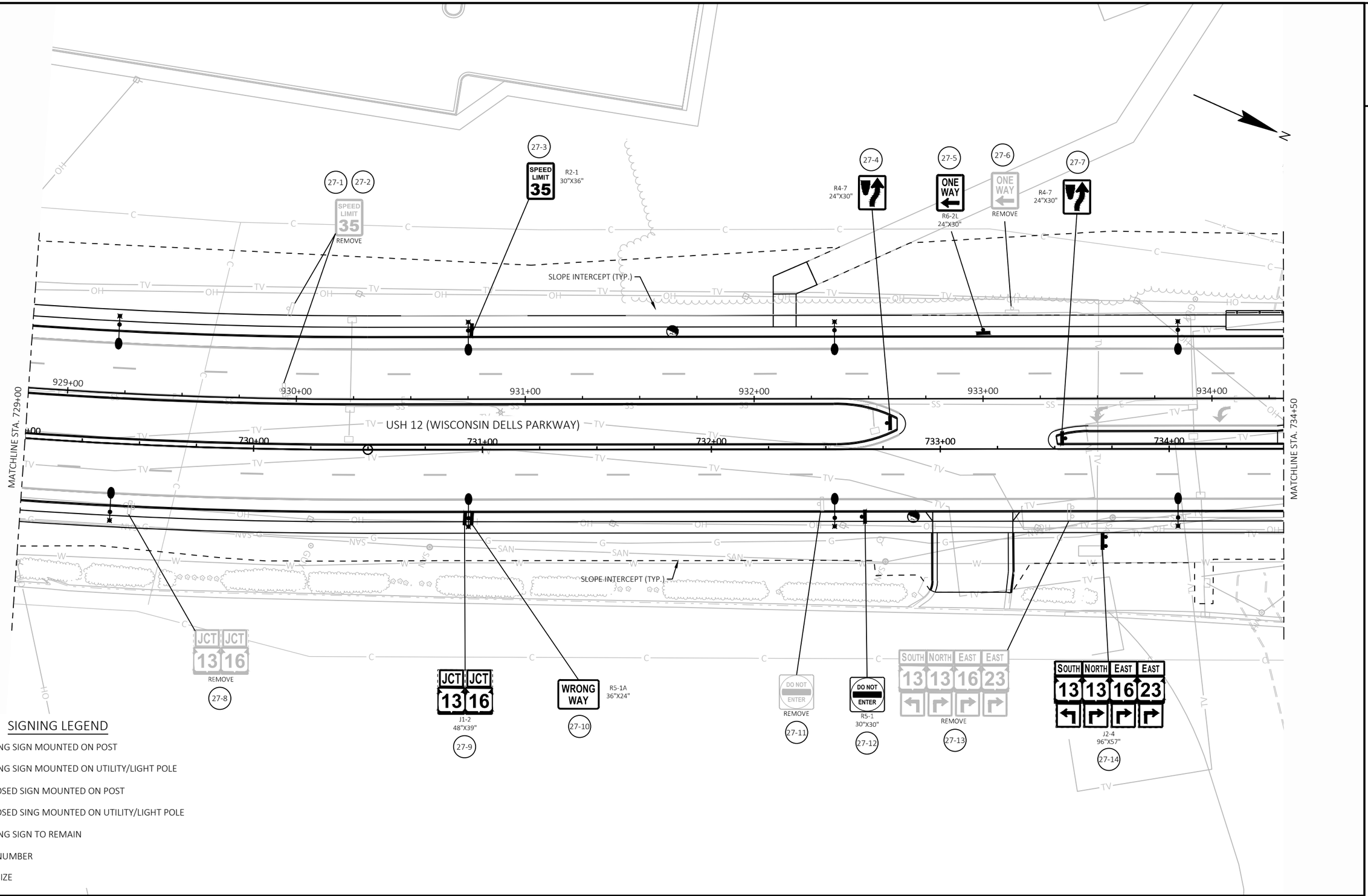
- EXISTING SIGN MOUNTED ON POST
- EXISTING SIGN MOUNTED ON UTILITY/LIGHT POLE
- PROPOSED SIGN MOUNTED ON POST
- PROPOSED SING MOUNTED ON UTILITY/LIGHT POLE
- ESTR EXISTING SIGN TO REMAIN
- (X) SIGN NUMBER
- (X) SIGN SIZE

PROJECT NO: 6145-01-74	HWY: USH 12	COUNTY: SAUK	PERMANENT SIGNING	SHEET 322	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-74\023201-PS.DWG
LAYOUT NAME - 023229-ps

PLOT DATE : 6/18/2025 1:38 PM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:40 FT

2



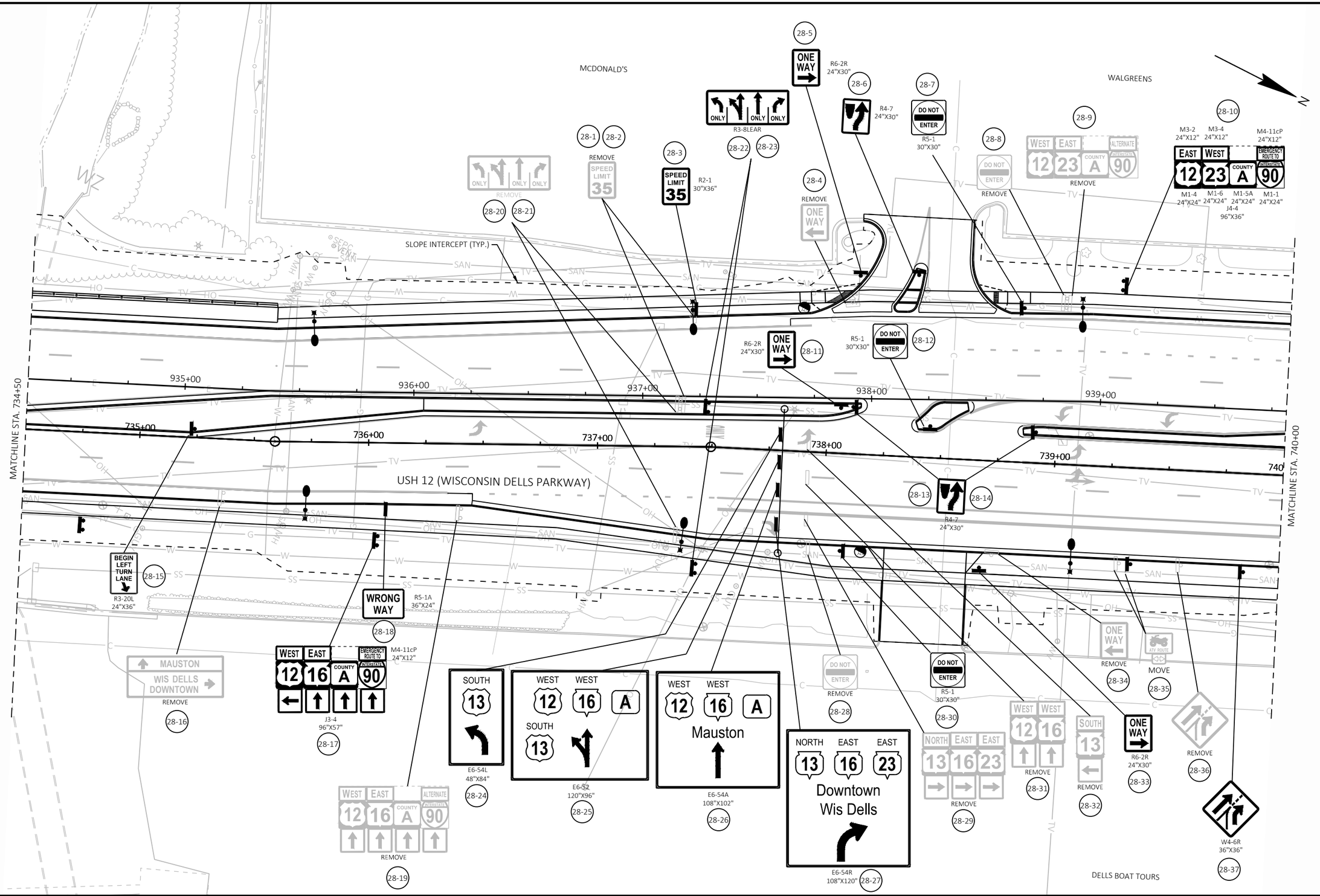
SIGNING LEGEND

- EXISTING SIGN MOUNTED ON POST
- EXISTING SIGN MOUNTED ON UTILITY/LIGHT POLE
- PROPOSED SIGN MOUNTED ON POST
- PROPOSED SING MOUNTED ON UTILITY/LIGHT POLE
- ESTR EXISTING SIGN TO REMAIN
- (X) SIGN NUMBER
- (X) SIGN SIZE

PROJECT NO: 6145-01-74	HWY: USH 12	COUNTY: SAUK	PERMANENT SIGNING	SHEET 323	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-74\023201-PS.DWG
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PLOT DATE : 6/18/2025 1:38 PM
PLOT BY : CHAPMAN, JULIE
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

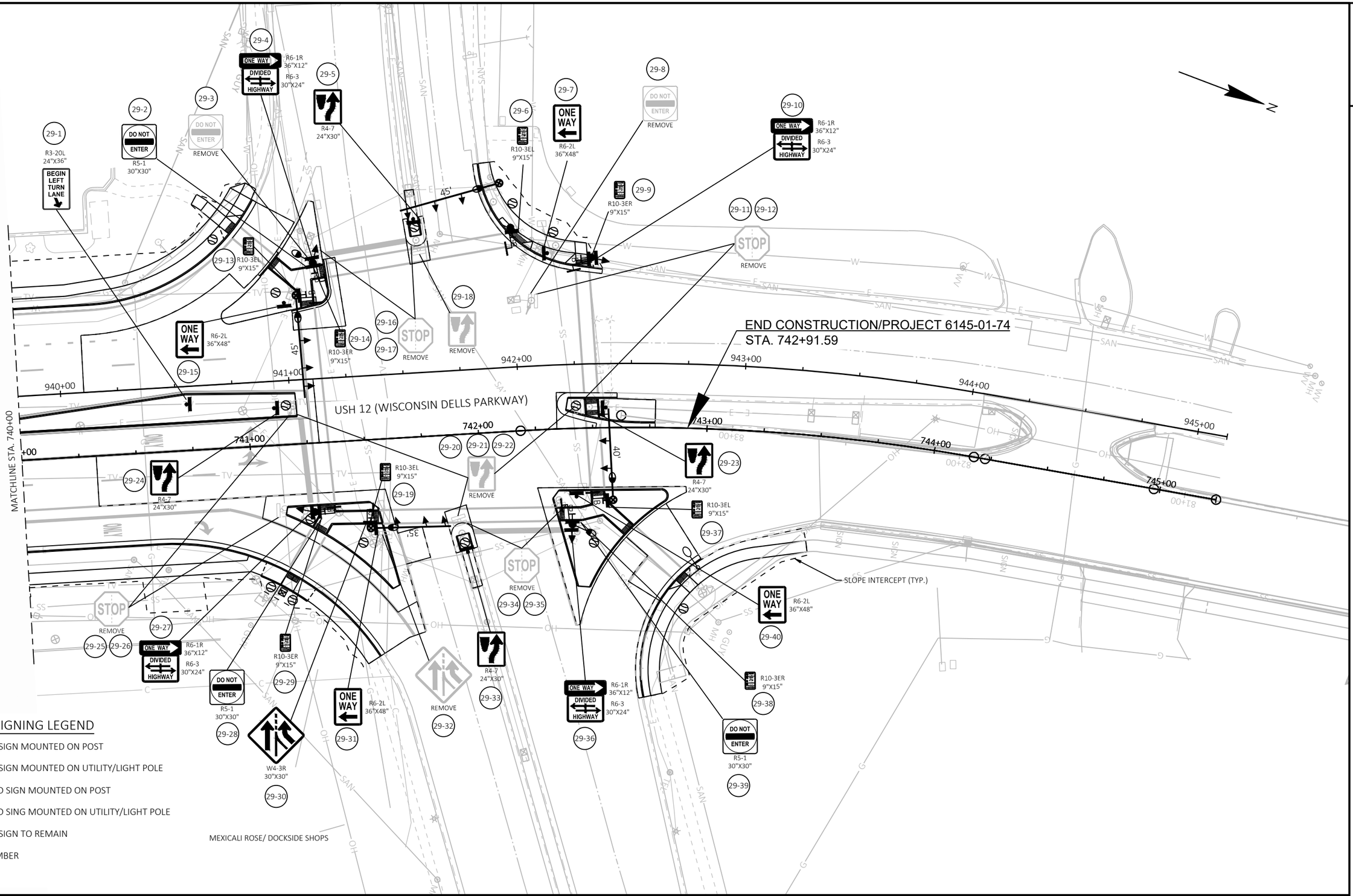
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PROJECT NO: 6145-01-74	HWY: USH 12	COUNTY: SAUK	PERMANENT SIGNING	SHEET 324	E

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PLOT BY : CHAPMAN, JULIE
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

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PROJECT NO: 6145-01-74	HWY: USH 12	COUNTY: SAUK	PERMANENT SIGNING	SHEET 325	E

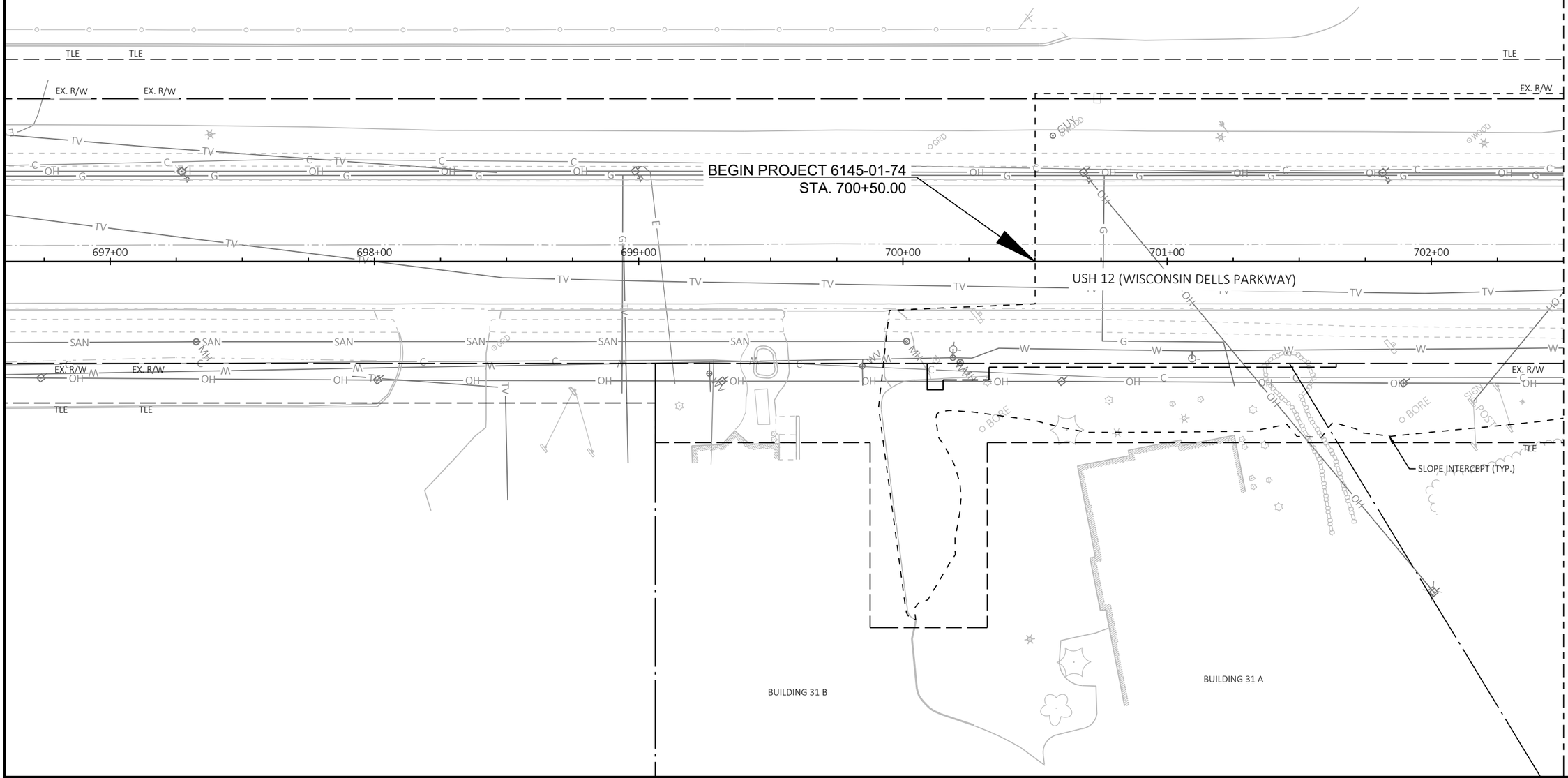
2

LEGEND

- EXISTING CITY LIGHTING UNITS TO BE SALVAGED
- OH — OVERHEAD ELECTRIC TO BE REMOVED
- EXISTING CONDUIT AND CONDUCTORS TO BE REMOVED

KEYED NOTES

1. EXISTING LIGHT POLE, ARM, AND FIXTURE HEAD TO BE REMOVED AND RETURNED TO CITY WISCONSIN DELLS. CONCRETE BASE TO BE REMOVED AND PROPERLY DISPOSED.
2. EXISTING CONDUIT AND CONDUCTORS TO BE REMOVED.
3. EXISTING OVERHEAD ELECTRICAL LINE TO BE REMOVED.
4. OVERHEAD ELECTRIC LINE TO REMAIN IN PLACE UNTIL AFTER STAGE 1 CONSTRUCTION IS COMPLETE.
5. EXISTING LIGHT POLE TO REMAIN IN PLACE UNTIL AFTER STAGE 1 CONSTRUCTION IS COMPLETE. REMOVE LIGHT POLE, ARM, AND FIXTURE HEAD IN STAGE 2 AND RETURNED TO CITY WISCONSIN DELLS. CONCRETE BASE TO BE REMOVED AND PROPERLY DISPOSED.
6. EXISTING CONDUIT AND CONDUCTORS TO REMAIN IN PLACE UNTIL AFTER STAGE 1 CONSTRUCTION IS COMPLETE.
7. EXISTING LIGHT POLE, LUMINAIRE, LUMINAIRE ARM, TRANSFORMER BASE TO BE REMOVED AND RELOCATED. CONTRACTOR SHALL REMOVE AND DISPOSE OF CONCRETE BASE.



PROJECT NO: 6145-01-74	HWY: USH 12	COUNTY: SAUK	LIGHTING REMOVAL	SHEET 326	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-74\023401_LR.DWG
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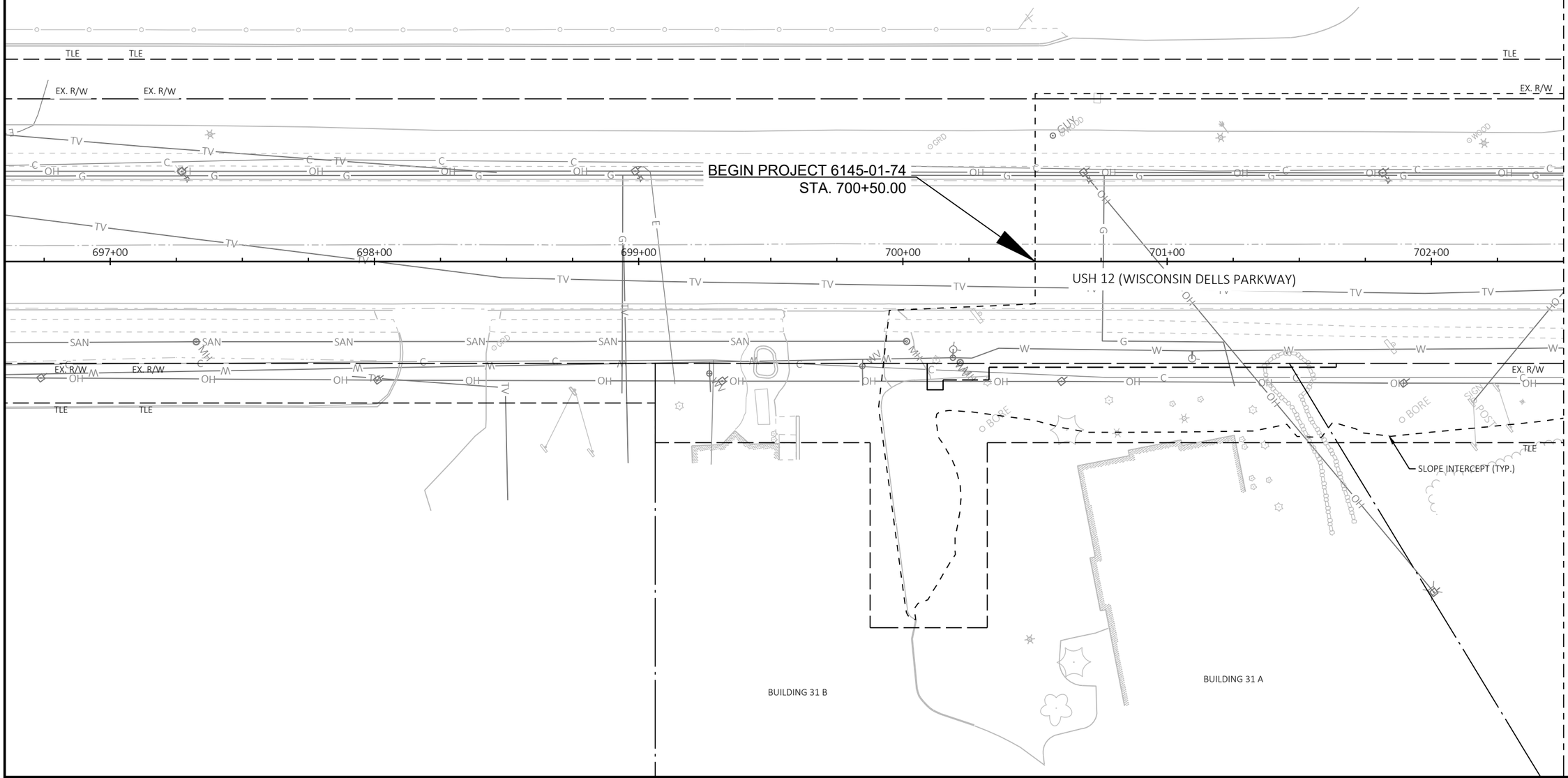
2

LEGEND

- EXISTING CITY LIGHTING UNITS TO BE SALVAGED
- OH — OVERHEAD ELECTRIC TO BE REMOVED
- EXISTING CONDUIT AND CONDUCTORS TO BE REMOVED

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PROJECT NO: 6145-01-74	HWY: USH 12	COUNTY: SAUK	LIGHTING REMOVAL	SHEET 327	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-74\023401_LR.DWG
LAYOUT NAME - 023401_lr
PLOT DATE : 6/26/2025 12:12 PM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:40 FT

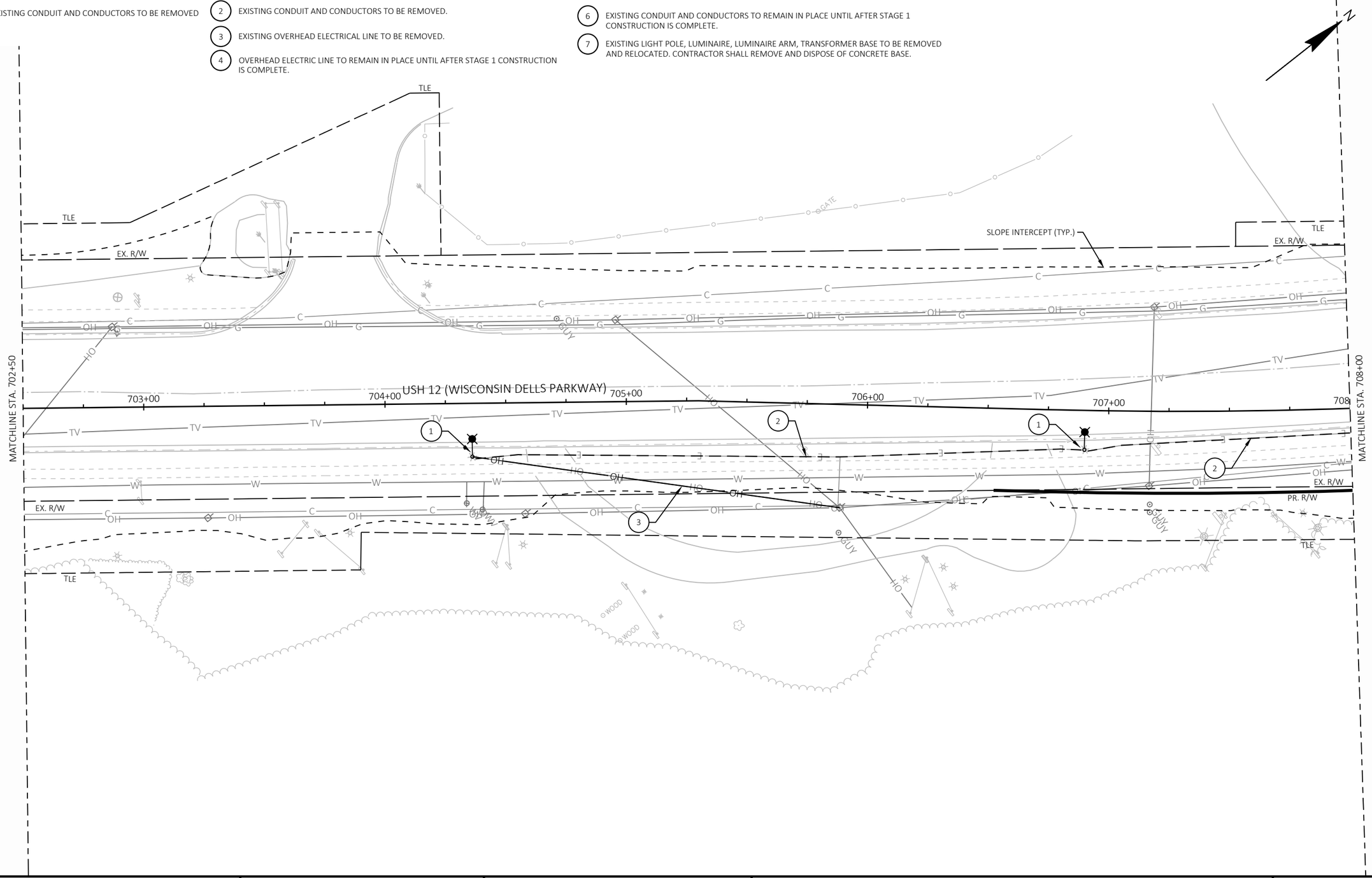
2

LEGEND

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- OH — OVERHEAD ELECTRIC TO BE REMOVED
- EXISTING CONDUIT AND CONDUCTORS TO BE REMOVED

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PROJECT NO: 6145-01-74	HWY: USH 12	COUNTY: SAUK	LIGHTING REMOVAL	SHEET 328	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-74\023401_LR.DWG
LAYOUT NAME - 023402_lr
PLOT DATE : 6/26/2025 12:12 PM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

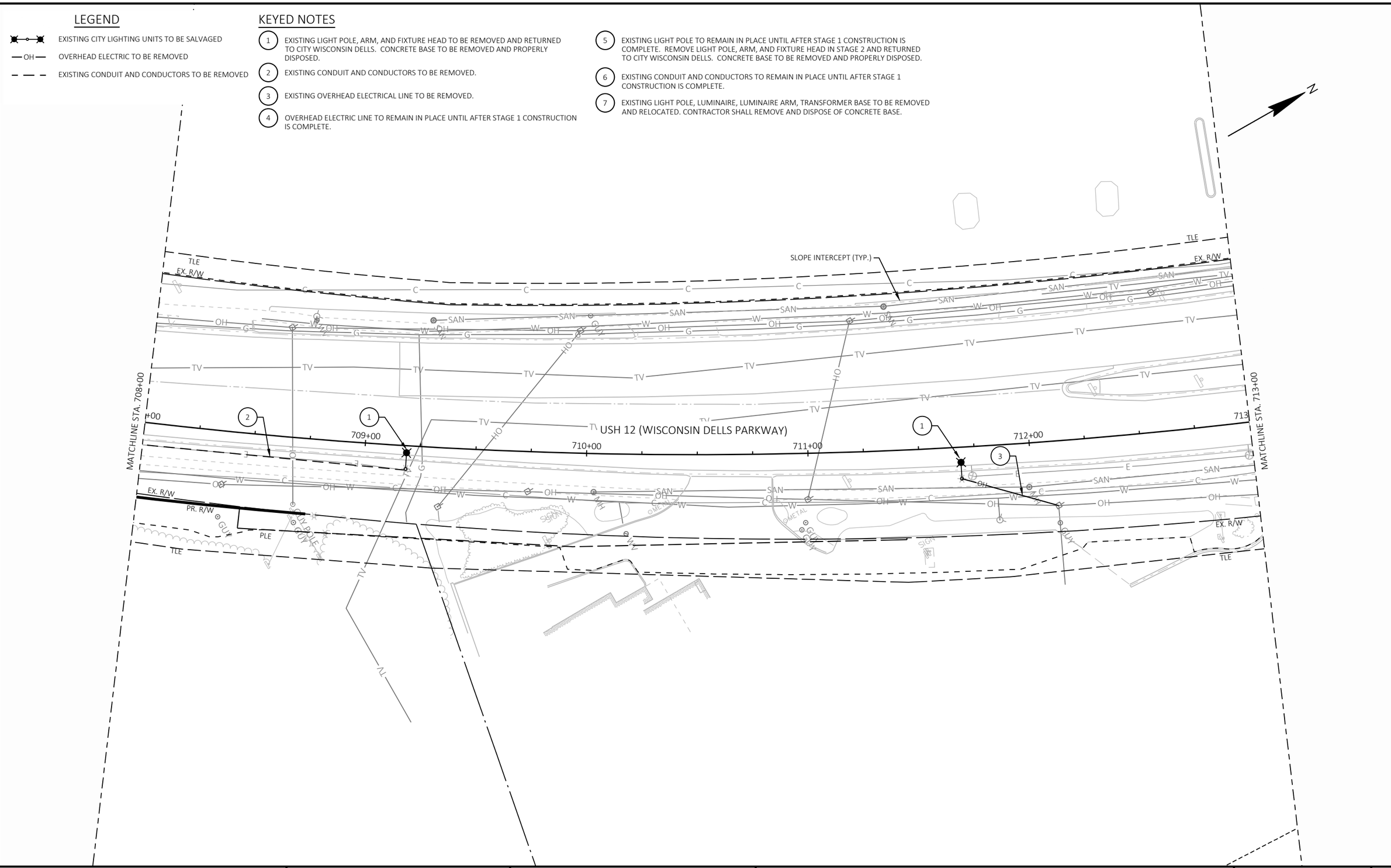
2

LEGEND

- EXISTING CITY LIGHTING UNITS TO BE SALVAGED
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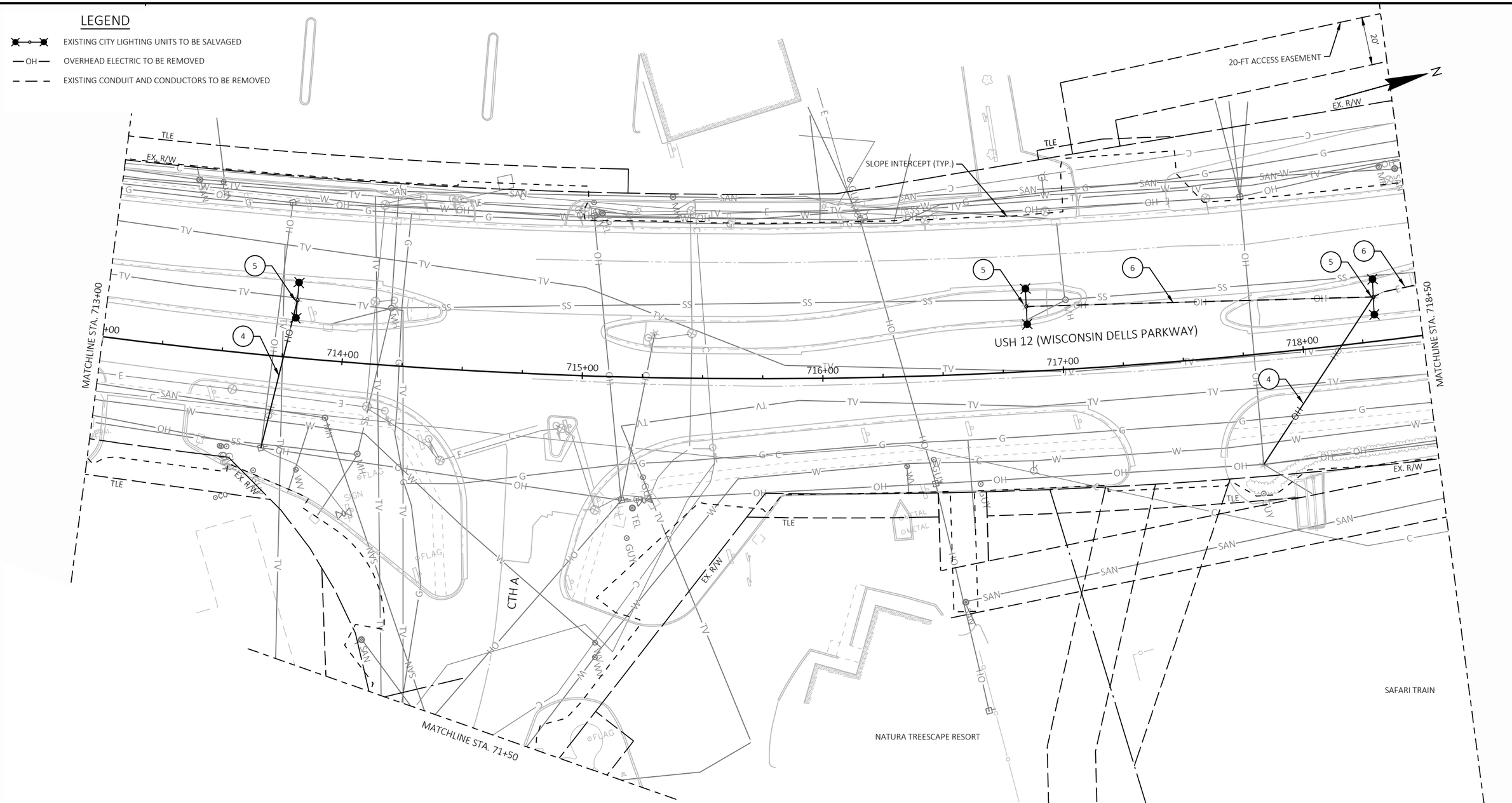
PROJECT NO: 6145-01-74	HWY: USH 12	COUNTY: SAUK	LIGHTING REMOVAL	SHEET 329	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-74\023401_LR.DWG
LAYOUT NAME - 023403_lr
PLOT DATE : 6/26/2025 12:12 PM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

LEGEND

- EXISTING CITY LIGHTING UNITS TO BE SALVAGED
- OH — OVERHEAD ELECTRIC TO BE REMOVED
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PROJECT NO: 6145-01-74	HWY: USH 12	COUNTY: SAUK	LIGHTING REMOVAL	SHEET 330	E

2

LEGEND

- EXISTING CITY LIGHTING UNITS TO BE SALVAGED
- OH — OVERHEAD ELECTRIC TO BE REMOVED
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GHOST OUTPOST

N

DELLSHIRE DRIVE

SLOPE INTERCEPT (TYP.)

USH 12 (WISCONSIN DELLS PARKWAY)

MATCHLINE STA. 718+50

MATCHLINE STA. 724+00

719+00 720+00 721+00 722+00 723+00 724

EX. R/W

GOODY GOODY GUMDROP

PROJECT NO: 6145-01-74	HWY: USH 12	COUNTY: SAUK	LIGHTING REMOVAL	SHEET 331	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-74\023401_LR.DWG
LAYOUT NAME - 023406_lr

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WISDOT/CADDS SHEET 42

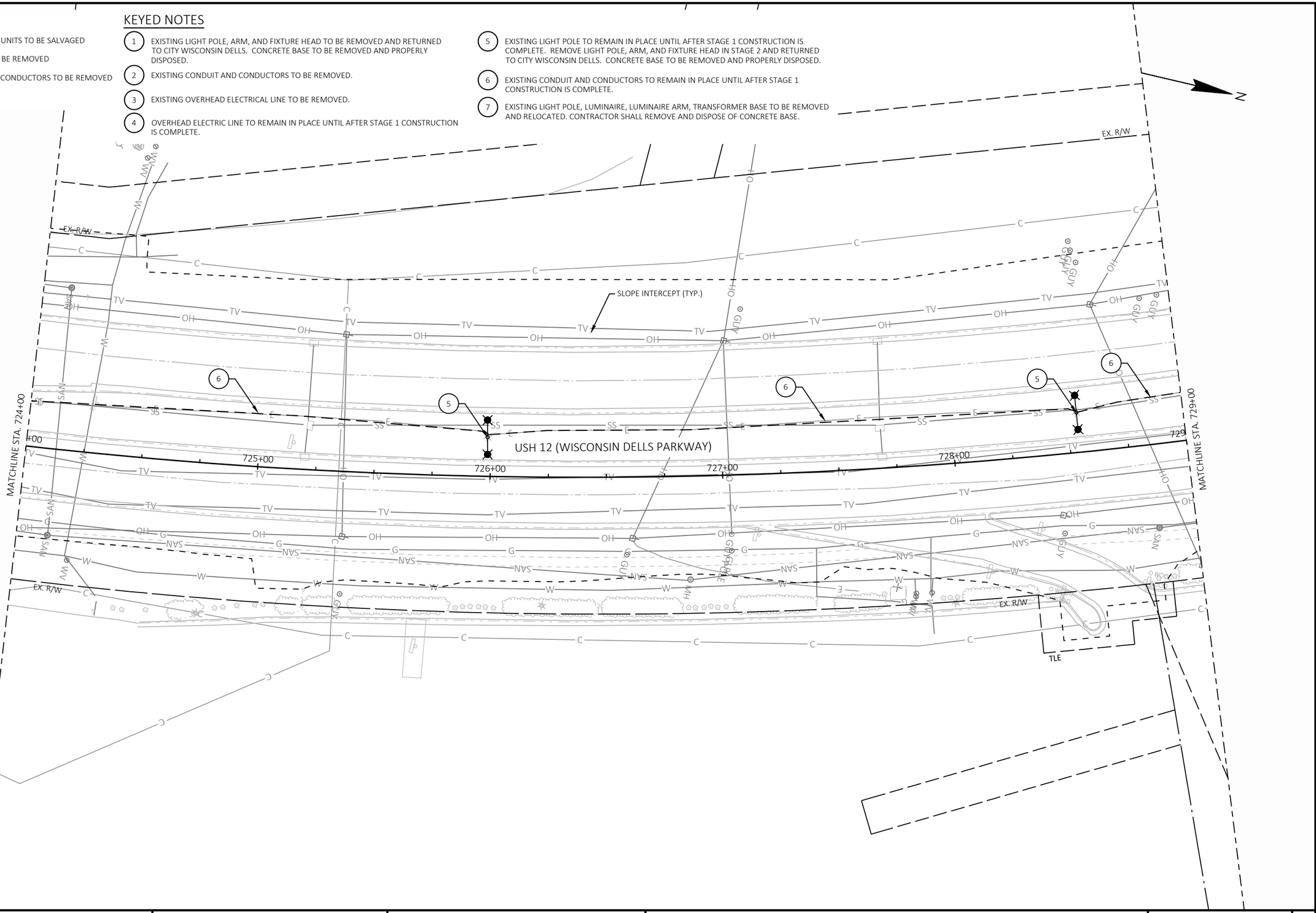
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LEGEND

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PROJECT NO: 6145-01-74	HWY: USH 12	COUNTY: SAUK	LIGHTING REMOVAL	SHEET 332	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-74\023401_LR.DWG
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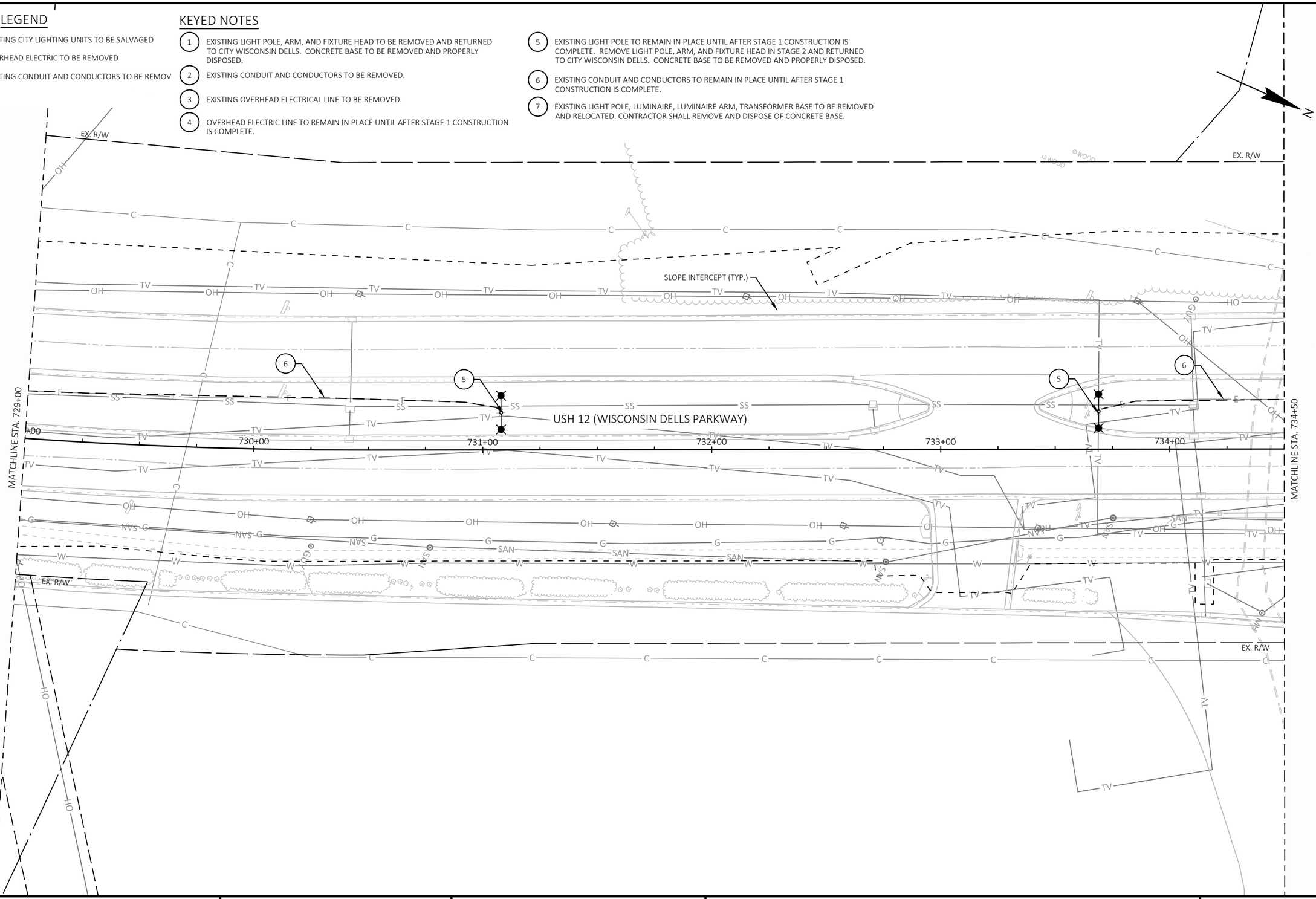
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LEGEND

- EXISTING CITY LIGHTING UNITS TO BE SALVAGED
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2

PROJECT NO: 6145-01-74	HWY: USH 12	COUNTY: SAUK	LIGHTING REMOVAL	SHEET 333	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-74\023401_LR.DWG
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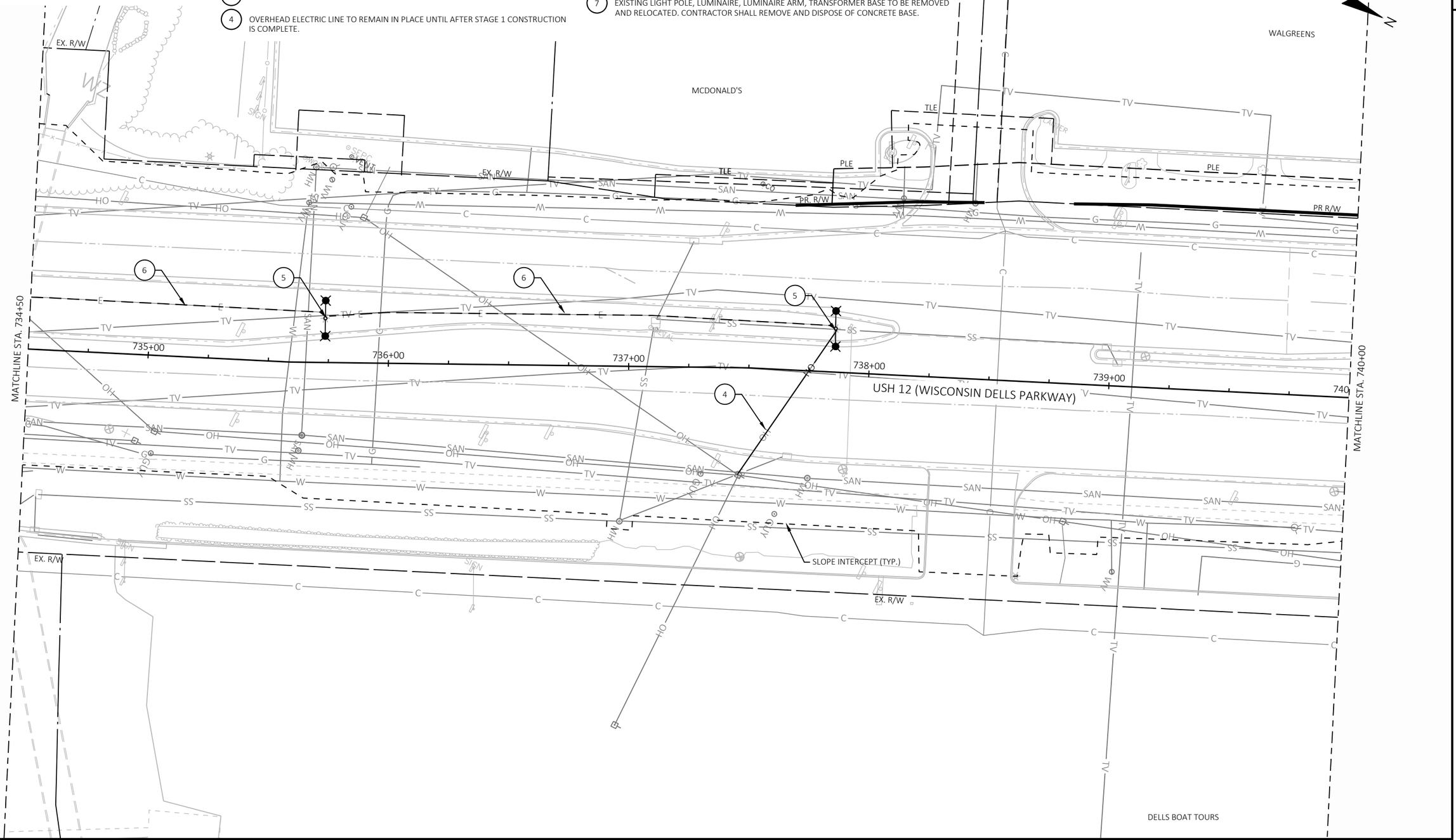
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LEGEND

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PROJECT NO: 6145-01-74	HWY: USH 12	COUNTY: SAUK	LIGHTING REMOVAL	SHEET 334	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-74\023401_LR.DWG
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WISDOT/CADDS SHEET 42

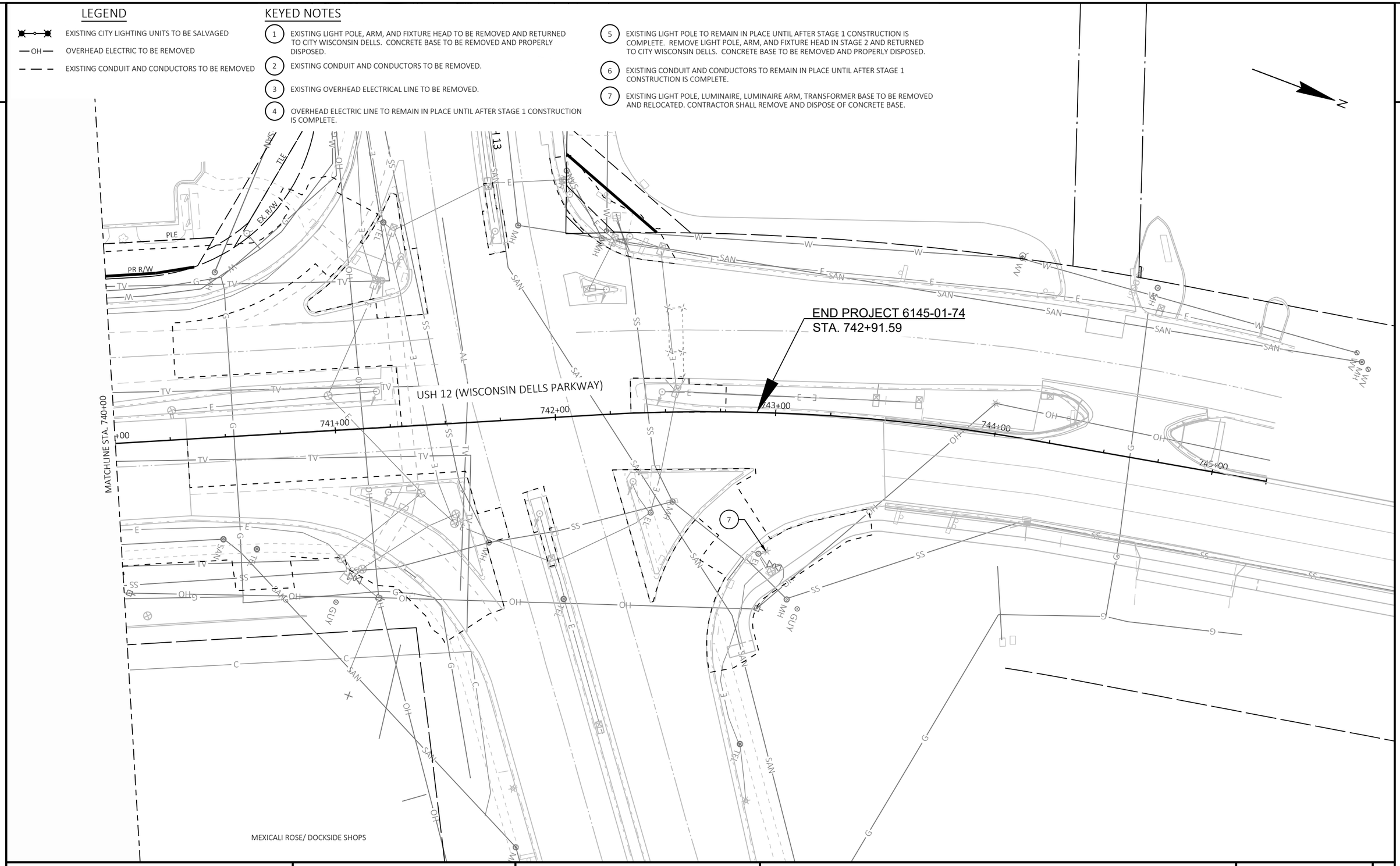
2

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2

PROJECT NO: 6145-01-74	HWY: USH 12	COUNTY: SAUK	LIGHTING REMOVAL	SHEET 335	E

2

LIGHTING LEGEND

B-7-L(1,3), R(2,4)
STA 865+55.00, 22.0' LT
A/D-4(T)-10/0.5

- CONTROL CABINET DESIGNATION
- POLE NUMBER
- LIGHTING
- LIGHTING CIRCUIT(S)
- RECEPTACLE
- RECEPTACLE CIRCUIT (S)
- LOCATION (TO CENTER OF POLE)
- LUMINAIRE ARM LENGTH IN FEET
  10FT = ROADWAY SIDE
  0.5FT = PEDESTRIAN SIDE
- POLE TYPE
  (T) INCLUDES TRANSFORMER BASE
- LUMINAIRE DESIGNATION
  A = TYPE "A" - PEDESTRIAN LIGHTING
  D = TYPE "D" - ROADWAY LIGHTING
  (SEE LIGHT SYMBOL FOR TYPE IDENTIFICATION)

- ROADWAY LIGHTING (TYPE "D")
- PEDESTRIAN LIGHTING - MOUNTED 15-FT ABOVE GROUND LEVEL (TYPE "A")
- SIGNAL AND HAWK SYSTEM LIGHTING (FOR INFORMATION ONLY)
- LIGHTING CONTROL CABINET AND ELECTRICAL SERVICE METER BREAKER PEDESTAL ON CONCRETE CONTROL CABINET BASE
- CONDUIT (SEE CABLE AND CONDUIT LEGEND)
- PULL BOX, 24" X 36"

CABLE AND CONDUIT LEGEND

A PROPOSED CONDUCTORS IN 2" SCHEDULE 40 RIGID NONMETALLIC CONDUIT:
(LIGHTING) 2#4 AWG , (RECEPTACLE) - 2#4 AWG, AND 1#4 AWG GROUND.

B PROPOSED CONDUCTORS IN 2" SCHEDULE 40 RIGID NONMETALLIC CONDUIT:
(LIGHTING) 4#4 AWG , (RECEPTACLE) - 4#4 AWG, AND 1#4 AWG GROUND.

C PROPOSED CONDUCTORS IN (2) 3" SCHEDULE 40 RIGID NONMETALLIC CONDUIT:
(LIGHTING) 8#4 AWG AND 1#4 AWG GROUND IN 3" SCHEDULE 40 RIGID NONMETALLIC CONDUIT.
(RECEPTACLE) - 8#4 AWG, AND 1#4 AWG GROUND IN 3" SCHEDULE 40 RIGID NONMETALLIC CONDUIT.

KEYED NOTES

1 LIGHTING FIXTURE SHOWN AT THIS LOCATION IS WIRED AND MOUNTED ONTO PROPOSED HAWK SYSTEM. SEE SIGNAL PLAN FOR INFORMATION.

N

B-27-L(5,7), R(6,8)
STA 609+45.87, -31.4' LT
D-4(T)-10

B-29-L(5,7), R(6,8)
STA 606+50.38, -34.6' LT
A/D-4(T)-10/0.5

USH 12 (WISCONSIN DELLS PARKWAY)

604+00 605+00 606+00 607+00 608+00 609+00

MATCHLINE STA. 609+50

STA 608+79.61, 26.7' RT
PB25

BEGIN PROJECT 6145-01-73
STA. 604+98.75

B-28-L(13,15), R(14,16)
STA 607+95.70, 27.0' RT
A/D-4(T)-10/0.5

E. ADAMS ST

E. DURKEE ST

HUHOT MONGOLIAN GRILL

MOJO MUSIC

PROJECT NO: 6145-01-73	HWY: USH 12	COUNTY: SAUK	LIGHTING PLAN	SHEET 336	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-73\023601_LP.DWG
LAYOUT NAME - 023601_lp
PLOT DATE : 9/25/2025 9:33 AM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:40 FT

LIGHTING LEGEND

B-7-L(1,3), R(2,4)
STA 865+55.00, 22.0' LT
A/D-4(T)-10/0.5

- CONTROL CABINET DESIGNATION
- POLE NUMBER
- LIGHTING
- LIGHTING CIRCUIT(S)
- RECEPTACLE
- RECEPTACLE CIRCUIT (S)
- LOCATION (TO CENTER OF POLE)
- LUMINAIRE ARM LENGTH IN FEET
  10FT = ROADWAY SIDE
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- POLE TYPE
  (T) INCLUDES TRANSFORMER BASE
- LUMINAIRE DESIGNATION
  A = TYPE "A" - PEDESTRIAN LIGHTING
  D = TYPE "D" - ROADWAY LIGHTING
  (SEE LIGHT SYMBOL FOR TYPE IDENTIFICATION)

- ROADWAY LIGHTING (TYPE "D")
- PEDESTRIAN LIGHTING - MOUNTED 15-FT ABOVE GROUND LEVEL (TYPE "A")
- SIGNAL AND HAWK SYSTEM LIGHTING (FOR INFORMATION ONLY)
- LIGHTING CONTROL CABINET AND ELECTRICAL SERVICE METER BREAKER PEDESTAL ON CONCRETE CONTROL CABINET BASE
- CONDUIT (SEE CABLE AND CONDUIT LEGEND)
- PULL BOX, 24" X 36"

CABLE AND CONDUIT LEGEND

A — PROPOSED CONDUCTORS IN 2" SCHEDULE 40 RIGID NONMETALLIC CONDUIT:
(LIGHTING) 2#4 AWG , (RECEPTACLE) - 2#4 AWG, AND 1#4 AWG GROUND.

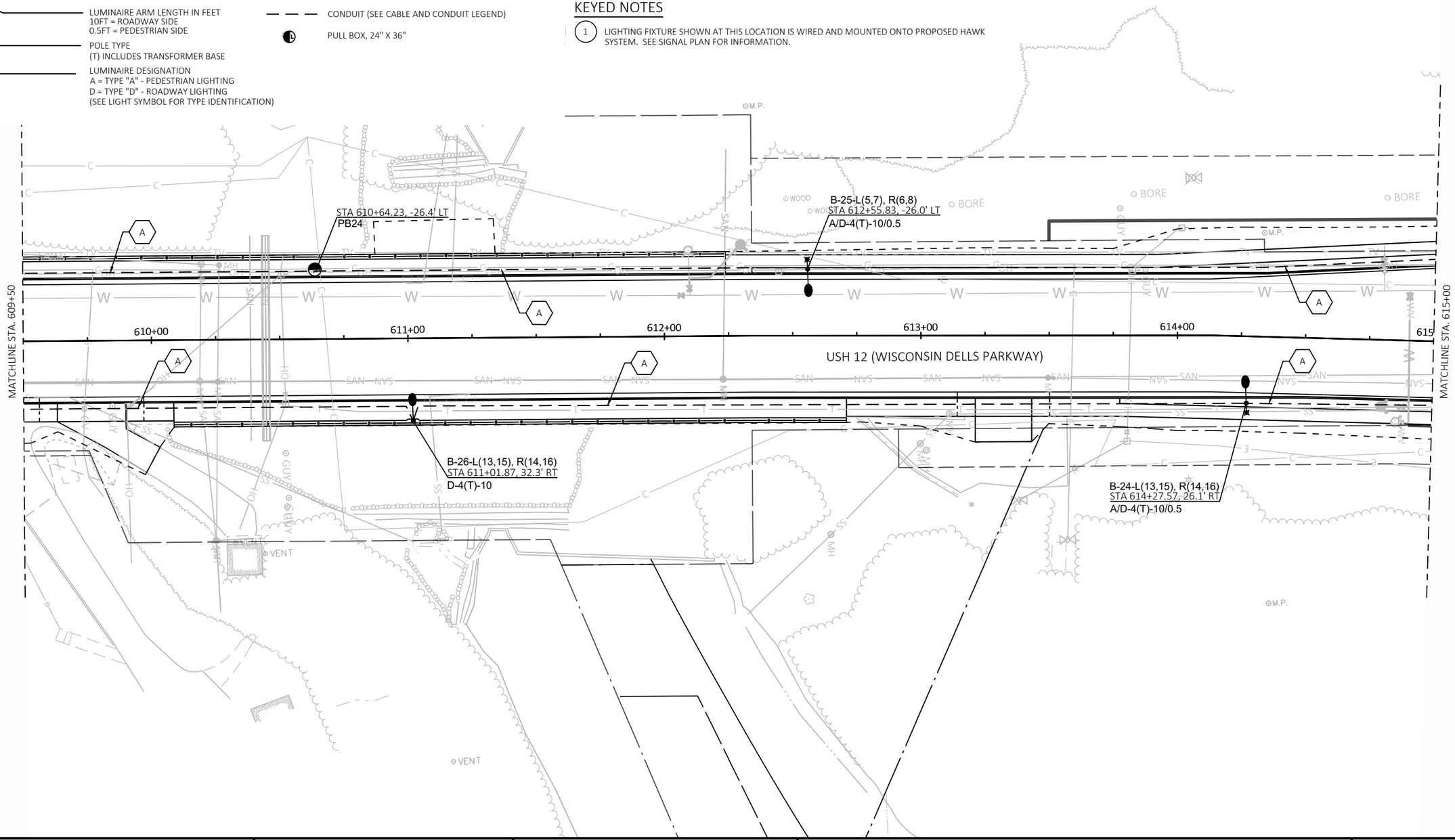
B — PROPOSED CONDUCTORS IN 2" SCHEDULE 40 RIGID NONMETALLIC CONDUIT:
(LIGHTING) 4#4 AWG , (RECEPTACLE) - 4#4 AWG, AND 1#4 AWG GROUND.

C — PROPOSED CONDUCTORS IN (2) 3" SCHEDULE 40 RIGID NONMETALLIC CONDUIT:
(LIGHTING) 8#4 AWG AND 1#4 AWG GROUND IN 3" SCHEDULE 40 RIGID NONMETALLIC CONDUIT.
(RECEPTACLE) - 8#4 AWG, AND 1#4 AWG GROUND IN 3" SCHEDULE 40 RIGID NONMETALLIC CONDUIT.

KEYED NOTES

1 — LIGHTING FIXTURE SHOWN AT THIS LOCATION IS WIRED AND MOUNTED ONTO PROPOSED HAWK SYSTEM. SEE SIGNAL PLAN FOR INFORMATION.

N



PROJECT NO: 6145-01-73	HWY: USH 12	COUNTY: SAUK	LIGHTING PLAN	SHEET 337	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-73\023601_LP.DWG
LAYOUT NAME - 023602_lp
PLOT DATE : 9/25/2025 9:35 AM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:40 FT

LIGHTING LEGEND

B-7-L(1,3), R(2,4)
STA 865+55.00, 22.0' LT
A/D-4(T)-10/0.5

- CONTROL CABINET DESIGNATION
- POLE NUMBER
- LIGHTING
- LIGHTING CIRCUIT(S)
- RECEPTACLE
- RECEPTACLE CIRCUIT (S)
- LOCATION (TO CENTER OF POLE)
- LUMINAIRE ARM LENGTH IN FEET
  10FT = ROADWAY SIDE
  0.5FT = PEDESTRIAN SIDE
- POLE TYPE
  (T) INCLUDES TRANSFORMER BASE
- LUMINAIRE DESIGNATION
  A = TYPE "A" - PEDESTRIAN LIGHTING
  D = TYPE "D" - ROADWAY LIGHTING
  (SEE LIGHT SYMBOL FOR TYPE IDENTIFICATION)

- ROADWAY LIGHTING (TYPE "D")
- PEDESTRIAN LIGHTING - MOUNTED 15-FT ABOVE GROUND LEVEL (TYPE "A")
- SIGNAL AND HAWK SYSTEM LIGHTING (FOR INFORMATION ONLY)
- LIGHTING CONTROL CABINET AND ELECTRICAL SERVICE METER BREAKER PEDESTAL ON CONCRETE CONTROL CABINET BASE
- CONDUIT (SEE CABLE AND CONDUIT LEGEND)
- PULL BOX, 24" X 36"

CABLE AND CONDUIT LEGEND

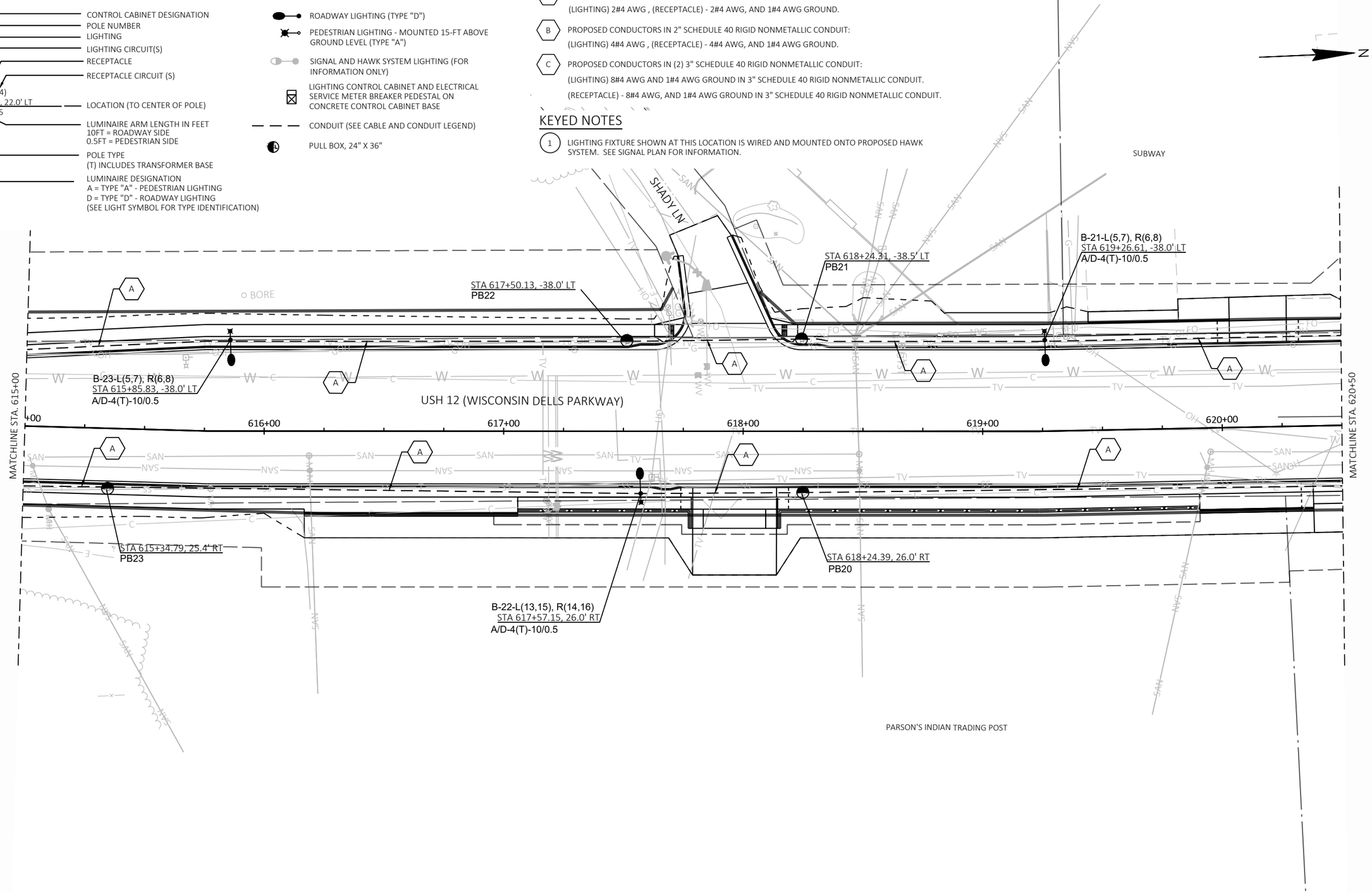
A — PROPOSED CONDUCTORS IN 2" SCHEDULE 40 RIGID NONMETALLIC CONDUIT:
(LIGHTING) 2#4 AWG , (RECEPTACLE) - 2#4 AWG, AND 1#4 AWG GROUND.

B — PROPOSED CONDUCTORS IN 2" SCHEDULE 40 RIGID NONMETALLIC CONDUIT:
(LIGHTING) 4#4 AWG , (RECEPTACLE) - 4#4 AWG, AND 1#4 AWG GROUND.

C — PROPOSED CONDUCTORS IN (2) 3" SCHEDULE 40 RIGID NONMETALLIC CONDUIT:
(LIGHTING) 8#4 AWG AND 1#4 AWG GROUND IN 3" SCHEDULE 40 RIGID NONMETALLIC CONDUIT.
(RECEPTACLE) - 8#4 AWG, AND 1#4 AWG GROUND IN 3" SCHEDULE 40 RIGID NONMETALLIC CONDUIT.

KEYED NOTES

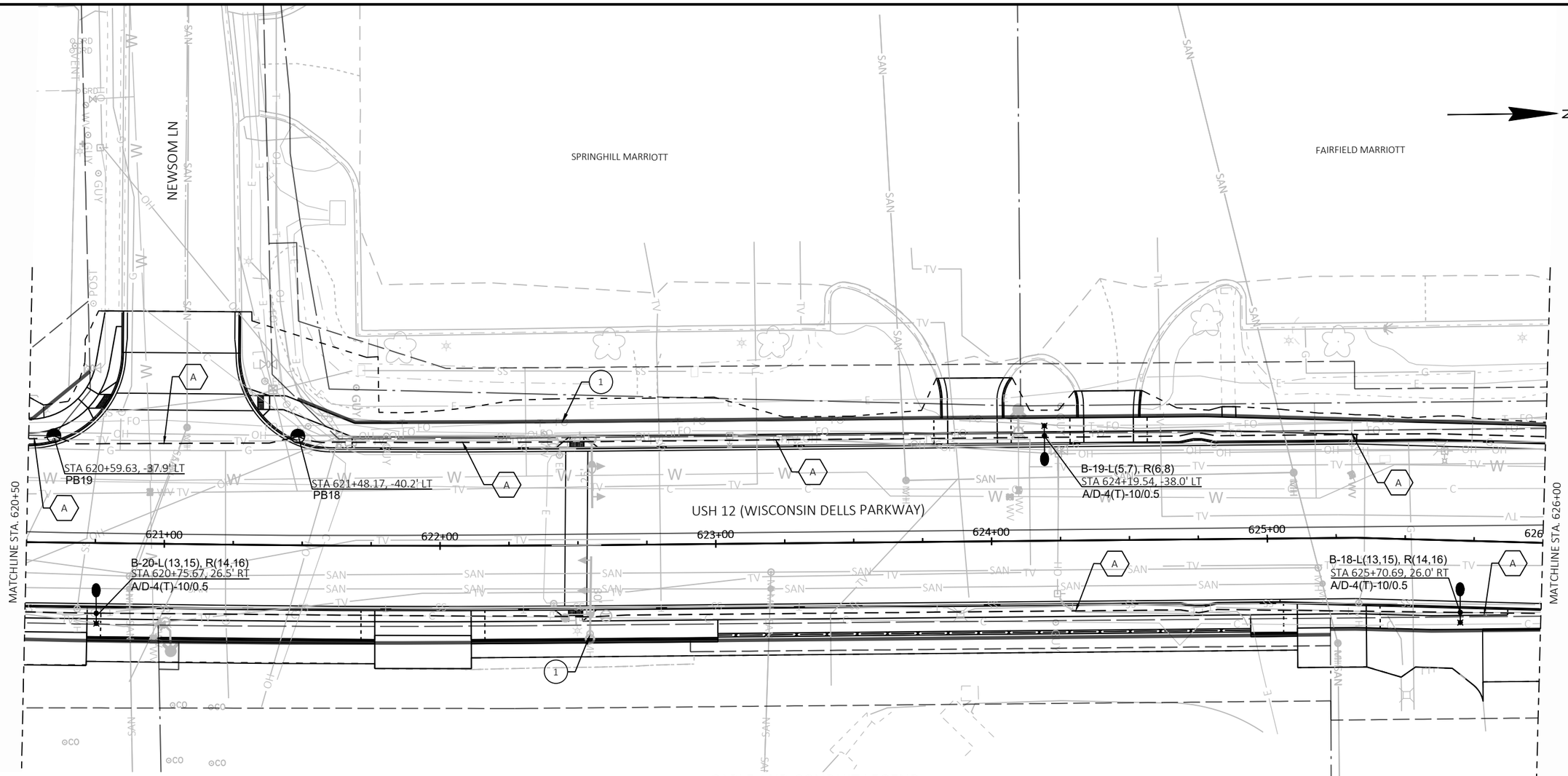
1 — LIGHTING FIXTURE SHOWN AT THIS LOCATION IS WIRED AND MOUNTED ONTO PROPOSED HAWK SYSTEM. SEE SIGNAL PLAN FOR INFORMATION.



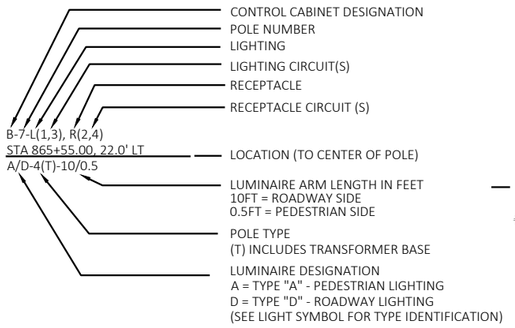
PROJECT NO: 6145-01-73	HWY: USH 12	COUNTY: SAUK	LIGHTING PLAN	SHEET 338	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-73\023601_LP.DWG
LAYOUT NAME - 023603_lp
PLOT DATE : 6/26/2025 12:20 PM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:40 FT

2



LIGHTING LEGEND



- ROADWAY LIGHTING (TYPE "D")
- PEDESTRIAN LIGHTING - MOUNTED 15-FT ABOVE GROUND LEVEL (TYPE "A")
- SIGNAL AND HAWK SYSTEM LIGHTING (FOR INFORMATION ONLY)
- LIGHTING CONTROL CABINET AND ELECTRICAL SERVICE METER BREAKER PEDESTAL ON CONCRETE CONTROL CABINET BASE
- CONDUIT (SEE CABLE AND CONDUIT LEGEND)
- PULL BOX, 24" X 36"

CABLE AND CONDUIT LEGEND

A PROPOSED CONDUCTORS IN 2" SCHEDULE 40 RIGID NONMETALLIC CONDUIT:
(LIGHTING) 2#4 AWG , (RECEPTACLE) - 2#4 AWG, AND 1#4 AWG GROUND.

B PROPOSED CONDUCTORS IN 2" SCHEDULE 40 RIGID NONMETALLIC CONDUIT:
(LIGHTING) 4#4 AWG , (RECEPTACLE) - 4#4 AWG, AND 1#4 AWG GROUND.

C PROPOSED CONDUCTORS IN (2) 3" SCHEDULE 40 RIGID NONMETALLIC CONDUIT:
(LIGHTING) 8#4 AWG AND 1#4 AWG GROUND IN 3" SCHEDULE 40 RIGID NONMETALLIC CONDUIT.
(RECEPTACLE) - 8#4 AWG, AND 1#4 AWG GROUND IN 3" SCHEDULE 40 RIGID NONMETALLIC CONDUIT.

KEYED NOTES

1 LIGHTING FIXTURE SHOWN AT THIS LOCATION IS WIRED AND MOUNTED ONTO PROPOSED HAWK SYSTEM. SEE SIGNAL PLAN FOR INFORMATION.

PROJECT NO: 6145-01-73	HWY: USH 12	COUNTY: SAUK	LIGHTING PLAN	SHEET 339	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-73\023601_LP.DWG
LAYOUT NAME - 023604_lp
PLOT DATE : 6/18/2025 10:25 AM
PLOT BY : CHAPMAN, JULIE
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

LIGHTING LEGEND

- CONTROL CABINET DESIGNATION
- POLE NUMBER
- LIGHTING
- LIGHTING CIRCUIT(S)
- RECEPTACLE
- RECEPTACLE CIRCUIT (S)

B-7-L(1,3), R(2,4)
STA 865+55.00, 22.0' LT
A/D-4(T)-10/0.5

- LOCATION (TO CENTER OF POLE)
- LUMINAIRE ARM LENGTH IN FEET
  10FT = ROADWAY SIDE
  0.5FT = PEDESTRIAN SIDE
- POLE TYPE
  (T) INCLUDES TRANSFORMER BASE
- LUMINAIRE DESIGNATION
  A = TYPE "A" - PEDESTRIAN LIGHTING
  D = TYPE "D" - ROADWAY LIGHTING
  (SEE LIGHT SYMBOL FOR TYPE IDENTIFICATION)

- ROADWAY LIGHTING (TYPE "D")
- PEDESTRIAN LIGHTING - MOUNTED 15-FT ABOVE GROUND LEVEL (TYPE "A")
- SIGNAL AND HAWK SYSTEM LIGHTING (FOR INFORMATION ONLY)
- LIGHTING CONTROL CABINET AND ELECTRICAL SERVICE METER BREAKER PEDESTAL ON CONCRETE CONTROL CABINET BASE
- CONDUIT (SEE CABLE AND CONDUIT LEGEND)
- PULL BOX, 24" X 36"

CABLE AND CONDUIT LEGEND

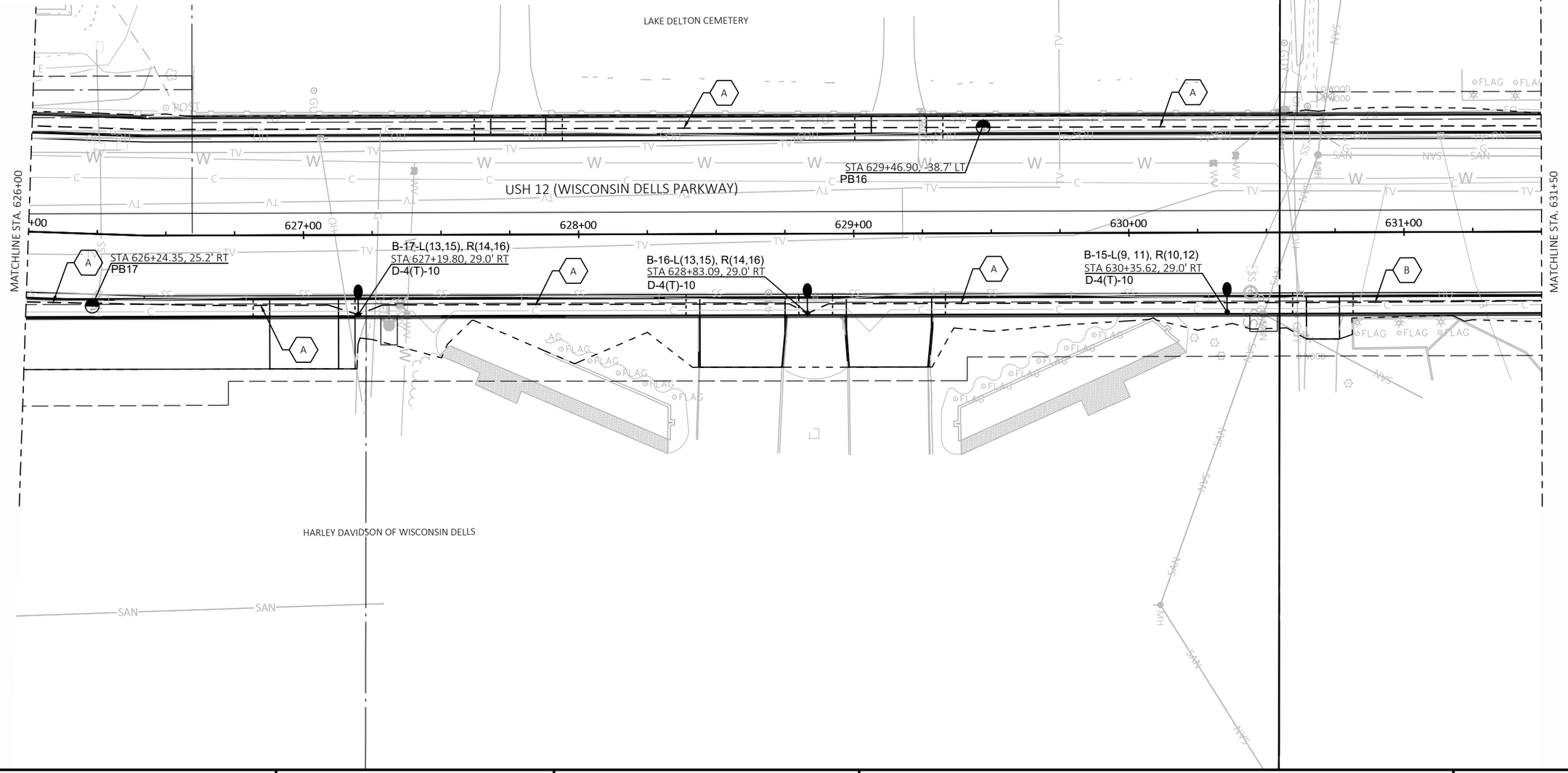
A — PROPOSED CONDUCTORS IN 2" SCHEDULE 40 RIGID NONMETALLIC CONDUIT:
(LIGHTING) 2#4 AWG , (RECEPTACLE) - 2#4 AWG, AND 1#4 AWG GROUND.

B — PROPOSED CONDUCTORS IN 2" SCHEDULE 40 RIGID NONMETALLIC CONDUIT:
(LIGHTING) 4#4 AWG , (RECEPTACLE) - 4#4 AWG, AND 1#4 AWG GROUND.

C — PROPOSED CONDUCTORS IN (2) 3" SCHEDULE 40 RIGID NONMETALLIC CONDUIT:
(LIGHTING) 8#4 AWG AND 1#4 AWG GROUND IN 3" SCHEDULE 40 RIGID NONMETALLIC CONDUIT.
(RECEPTACLE) - 8#4 AWG, AND 1#4 AWG GROUND IN 3" SCHEDULE 40 RIGID NONMETALLIC CONDUIT.

KEYED NOTES

1 — LIGHTING FIXTURE SHOWN AT THIS LOCATION IS WIRED AND MOUNTED ONTO PROPOSED HAWK SYSTEM. SEE SIGNAL PLAN FOR INFORMATION.



PROJECT NO: 6145-01-73	HWY: USH 12	COUNTY: SAUK	LIGHTING PLAN	SHEET 340	E

LIGHTING LEGEND

B-7-L(1,3), R(2,4)
STA 865+55.00, 22.0' LT
A/D-4(T)-10/0.5

- CONTROL CABINET DESIGNATION
- POLE NUMBER
- LIGHTING
- LIGHTING CIRCUIT(S)
- RECEPTACLE
- RECEPTACLE CIRCUIT (S)
- LOCATION (TO CENTER OF POLE)
- LUMINAIRE ARM LENGTH IN FEET
  10FT = ROADWAY SIDE
  0.5FT = PEDESTRIAN SIDE
- POLE TYPE
  (T) INCLUDES TRANSFORMER BASE
- LUMINAIRE DESIGNATION
  A = TYPE "A" - PEDESTRIAN LIGHTING
  D = TYPE "D" - ROADWAY LIGHTING
  (SEE LIGHT SYMBOL FOR TYPE IDENTIFICATION)

- ROADWAY LIGHTING (TYPE "D")
- PEDESTRIAN LIGHTING - MOUNTED 15-FT ABOVE GROUND LEVEL (TYPE "A")
- SIGNAL AND HAWK SYSTEM LIGHTING (FOR INFORMATION ONLY)
- LIGHTING CONTROL CABINET AND ELECTRICAL SERVICE METER BREAKER PEDESTAL ON CONCRETE CONTROL CABINET BASE
- CONDUIT (SEE CABLE AND CONDUIT LEGEND)
- PULL BOX, 24" X 36"

CABLE AND CONDUIT LEGEND

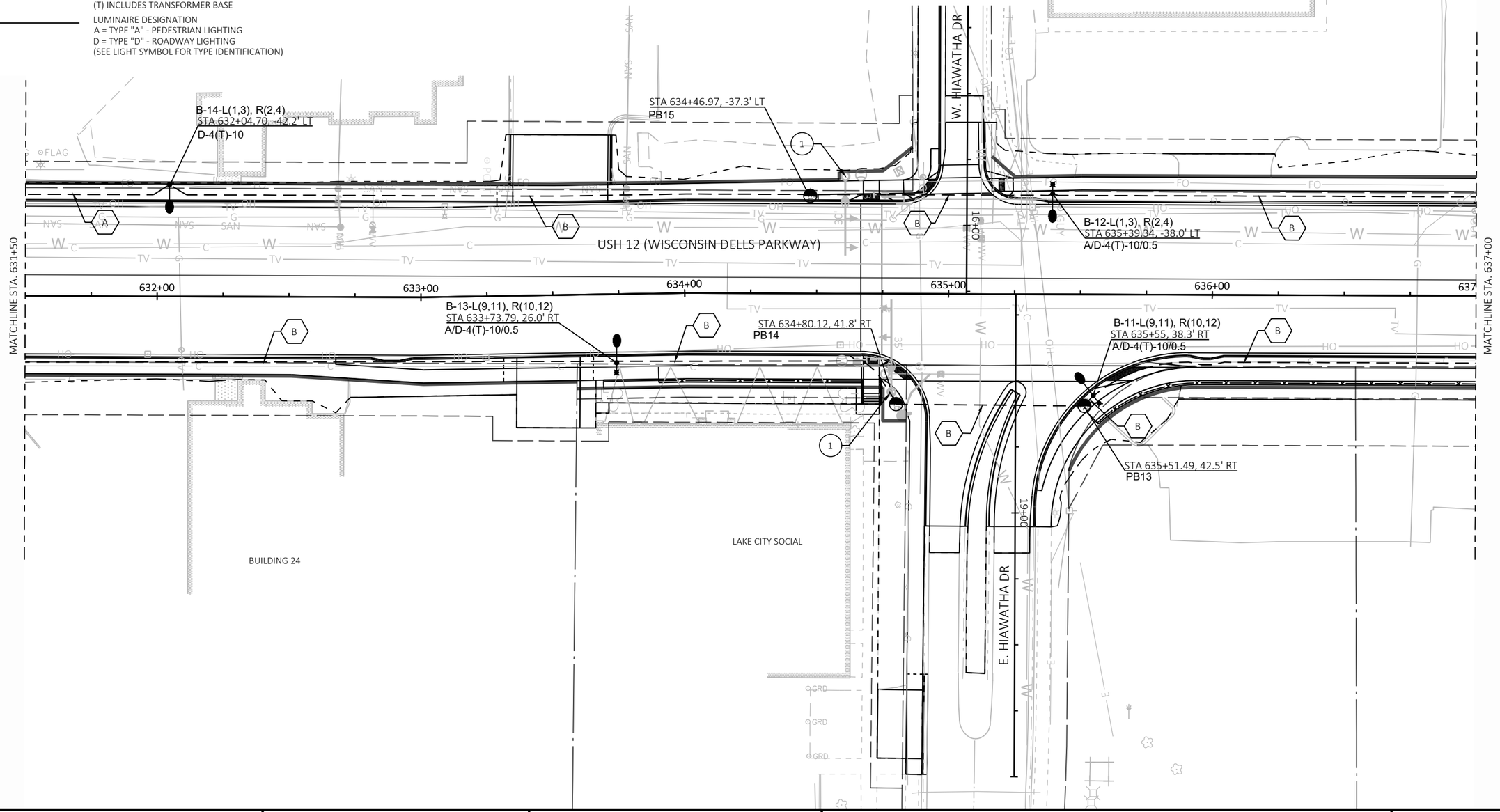
A — PROPOSED CONDUCTORS IN 2" SCHEDULE 40 RIGID NONMETALLIC CONDUIT:
(LIGHTING) 2#4 AWG , (RECEPTACLE) - 2#4 AWG, AND 1#4 AWG GROUND.

B — PROPOSED CONDUCTORS IN 2" SCHEDULE 40 RIGID NONMETALLIC CONDUIT:
(LIGHTING) 4#4 AWG , (RECEPTACLE) - 4#4 AWG, AND 1#4 AWG GROUND.

C — PROPOSED CONDUCTORS IN (2) 3" SCHEDULE 40 RIGID NONMETALLIC CONDUIT:
(LIGHTING) 8#4 AWG AND 1#4 AWG GROUND IN 3" SCHEDULE 40 RIGID NONMETALLIC CONDUIT.
(RECEPTACLE) - 8#4 AWG, AND 1#4 AWG GROUND IN 3" SCHEDULE 40 RIGID NONMETALLIC CONDUIT.

KEYED NOTES

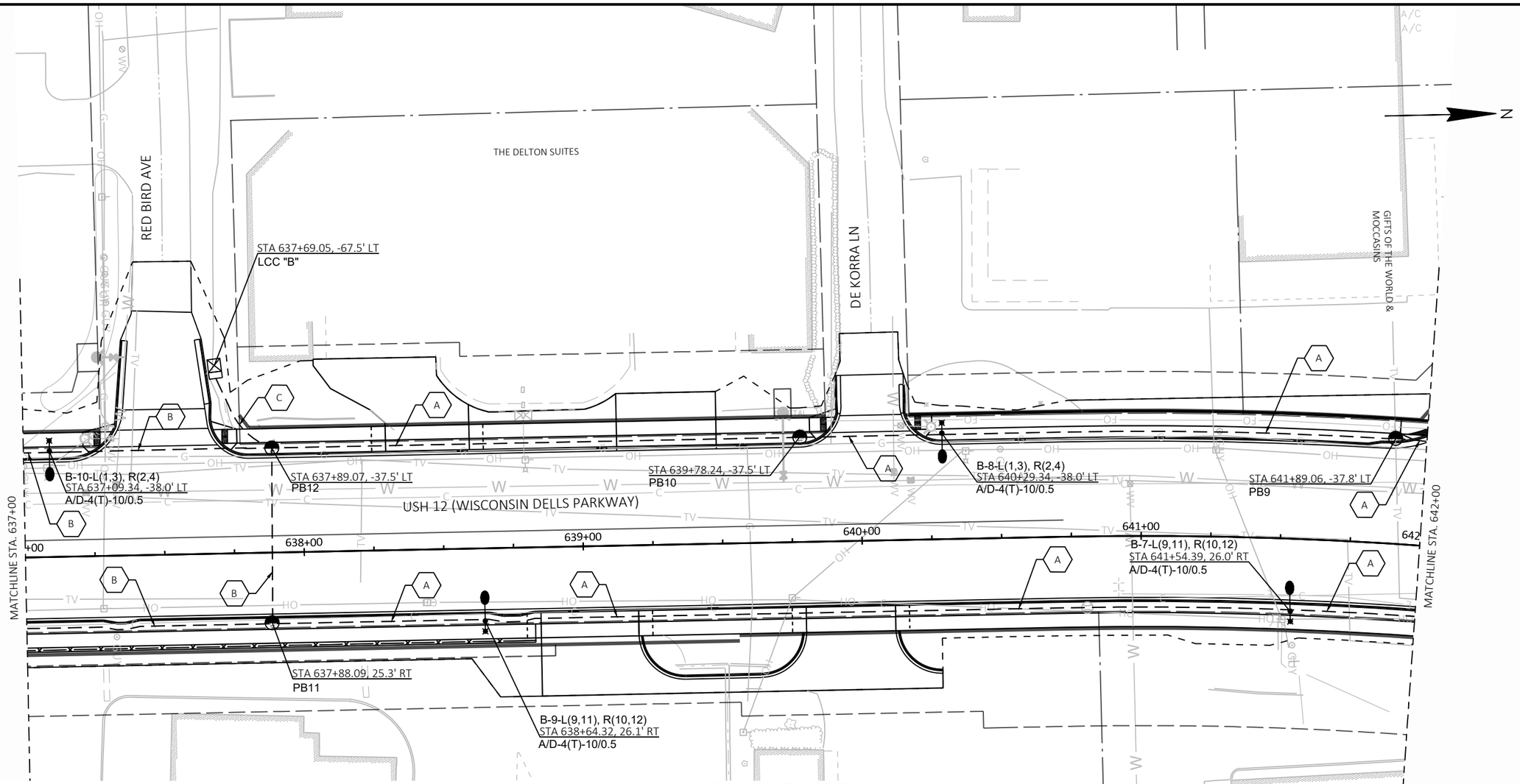
1. LIGHTING FIXTURE SHOWN AT THIS LOCATION IS WIRED AND MOUNTED ONTO PROPOSED HAWK SYSTEM. SEE SIGNAL PLAN FOR INFORMATION.



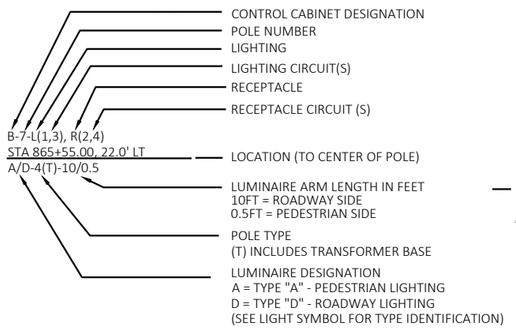
PROJECT NO: 6145-01-73	HWY: USH 12	COUNTY: SAUK	LIGHTING PLAN	SHEET 341	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-73\023601_LP.DWG
LAYOUT NAME - 023606_lp
PLOT DATE : 6/18/2025 10:25 AM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:40 FT

2



LIGHTING LEGEND



- ROADWAY LIGHTING (TYPE "D")
- PEDESTRIAN LIGHTING - MOUNTED 15-FT ABOVE GROUND LEVEL (TYPE "A")
- SIGNAL AND HAWK SYSTEM LIGHTING (FOR INFORMATION ONLY)
- LIGHTING CONTROL CABINET AND ELECTRICAL SERVICE METER BREAKER PEDESTAL ON CONCRETE CONTROL CABINET BASE
- CONDUIT (SEE CABLE AND CONDUIT LEGEND)
- PULL BOX, 24" X 36"

CABLE AND CONDUIT LEGEND

A — PROPOSED CONDUCTORS IN 2" SCHEDULE 40 RIGID NONMETALLIC CONDUIT:
(LIGHTING) 2#4 AWG , (RECEPTACLE) - 2#4 AWG, AND 1#4 AWG GROUND.

B — PROPOSED CONDUCTORS IN 2" SCHEDULE 40 RIGID NONMETALLIC CONDUIT:
(LIGHTING) 4#4 AWG , (RECEPTACLE) - 4#4 AWG, AND 1#4 AWG GROUND.

C — PROPOSED CONDUCTORS IN (2) 3" SCHEDULE 40 RIGID NONMETALLIC CONDUIT:
(LIGHTING) 8#4 AWG AND 1#4 AWG GROUND IN 3" SCHEDULE 40 RIGID NONMETALLIC CONDUIT.
(RECEPTACLE) - 8#4 AWG, AND 1#4 AWG GROUND IN 3" SCHEDULE 40 RIGID NONMETALLIC CONDUIT.

KEYED NOTES

1. LIGHTING FIXTURE SHOWN AT THIS LOCATION IS WIRED AND MOUNTED ONTO PROPOSED HAWK SYSTEM. SEE SIGNAL PLAN FOR INFORMATION.

FLAMINGO

PROJECT NO: 6145-01-73	HWY: USH 12	COUNTY: SAUK	LIGHTING PLAN	SHEET 342	E

2

MATCHLINE STA. 41+50

HOUSE OF EMBERS

WINNEBAGO LN

W. LAKE AVE

42+00

LIGHTING AT THE INTERSECTION OF USH 12 (WISCONSIN DELLS PARKWAY) AND W. LAKE AVE ARE WIRED AND MOUNTED ONTO PROPOSED TRAFFIC SIGNAL. SEE SIGNAL PLAN.

41+00

MATCHLINE STA. 41+50

BUILDING 16 A

BUILDING 15

STA 644+06.88, -46.8' LT
PB4

STA 643+39.69, -48.4' LT
PB7

36+00

STA 642+78.47, -37.5' LT
PB8

43+00

644+00 PI: 43+09.55

USH 12 (WISCONSIN DELLS PARKWAY)

645+00

B-6-L(1,3), R(2,4)
STA 646+21.85, -38.0' LT
A/D-4(T)-10/0.5

646+00

STA 646+26.81, 24.7' RT
PB3

647+00

MATCHLINE STA. 642+00

+00

STA 644+27.41, 59.4' RT
PB5

MATCHLINE STA. 647+50

STA 643+73.03, 59.0' RT
PB6

44+00

FLAMINGO

LIGHTING LEGEND

B-7-L(1,3), R(2,4)
STA 865+55.00, 22.0' LT
A/D-4(T)-10/0.5

- CONTROL CABINET DESIGNATION
- POLE NUMBER
- LIGHTING
- LIGHTING CIRCUIT(S)
- RECEPTACLE
- RECEPTACLE CIRCUIT (S)
- LOCATION (TO CENTER OF POLE)
- LUMINAIRE ARM LENGTH IN FEET
  10FT = ROADWAY SIDE
  0.5FT = PEDESTRIAN SIDE
- POLE TYPE
  (T) INCLUDES TRANSFORMER BASE
- LUMINAIRE DESIGNATION
  A = TYPE "A" - PEDESTRIAN LIGHTING
  D = TYPE "D" - ROADWAY LIGHTING
  (SEE LIGHT SYMBOL FOR TYPE IDENTIFICATION)

- ROADWAY LIGHTING (TYPE "D")
- PEDESTRIAN LIGHTING - MOUNTED 15-FT ABOVE GROUND LEVEL (TYPE "A")
- SIGNAL AND HAWK SYSTEM LIGHTING (FOR INFORMATION ONLY)
- LIGHTING CONTROL CABINET AND ELECTRICAL SERVICE METER BREAKER PEDESTAL ON CONCRETE CONTROL CABINET BASE
- CONDUIT (SEE CABLE AND CONDUIT LEGEND)
- PULL BOX, 24" X 36"

CABLE AND CONDUIT LEGEND

A — PROPOSED CONDUCTORS IN 2" SCHEDULE 40 RIGID NONMETALLIC CONDUIT:
(LIGHTING) 2#4 AWG , (RECEPTACLE) - 2#4 AWG, AND 1#4 AWG GROUND.

B — PROPOSED CONDUCTORS IN 2" SCHEDULE 40 RIGID NONMETALLIC CONDUIT:
(LIGHTING) 4#4 AWG , (RECEPTACLE) - 4#4 AWG, AND 1#4 AWG GROUND.

C — PROPOSED CONDUCTORS IN (2) 3" SCHEDULE 40 RIGID NONMETALLIC CONDUIT:
(LIGHTING) 8#4 AWG AND 1#4 AWG GROUND IN 3" SCHEDULE 40 RIGID NONMETALLIC CONDUIT.
(RECEPTACLE) - 8#4 AWG, AND 1#4 AWG GROUND IN 3" SCHEDULE 40 RIGID NONMETALLIC CONDUIT.

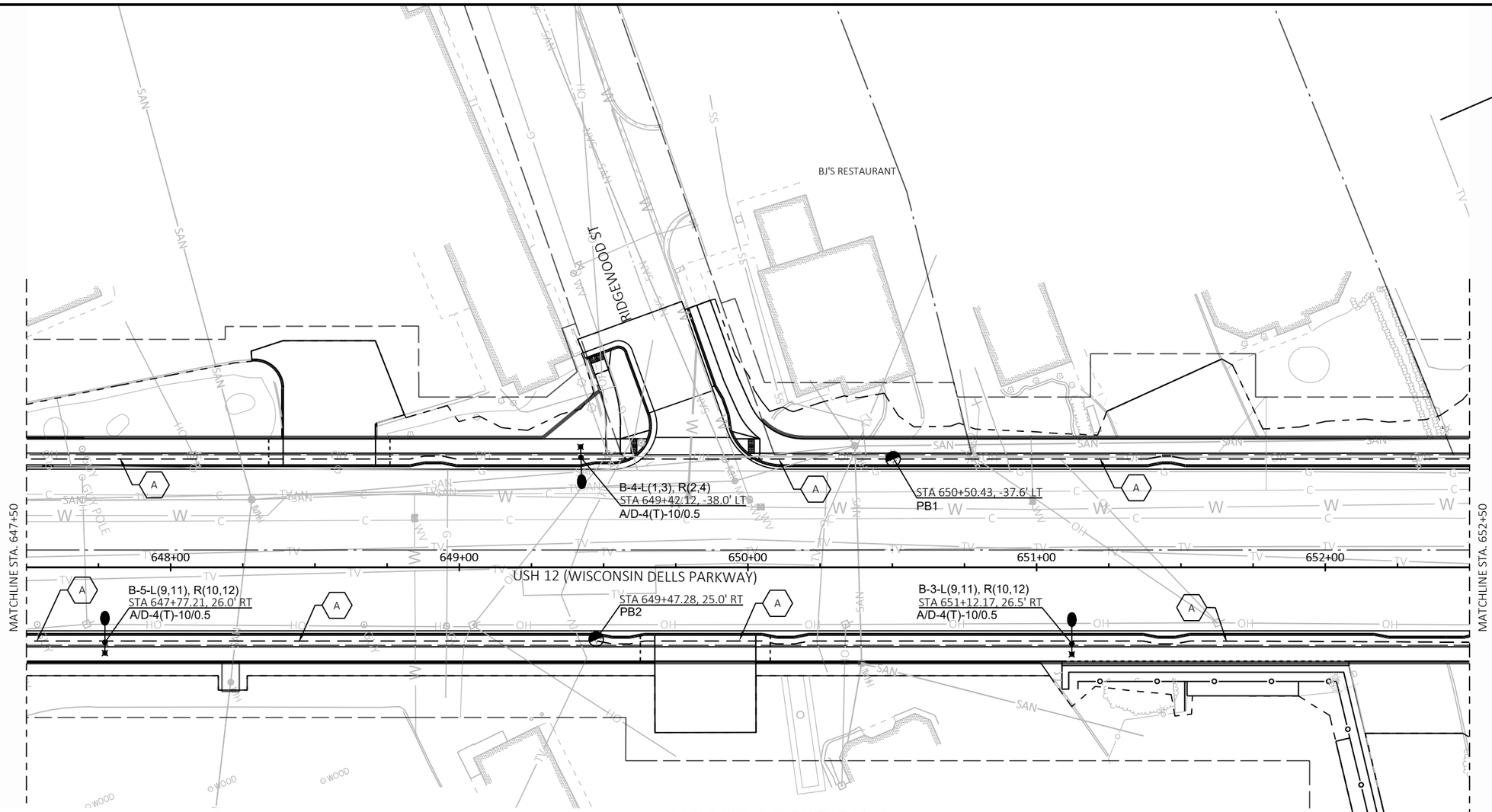
KEYED NOTES

1 — LIGHTING FIXTURE SHOWN AT THIS LOCATION IS WIRED AND MOUNTED ONTO PROPOSED HAWK SYSTEM. SEE SIGNAL PLAN FOR INFORMATION.

PROJECT NO: 6145-01-73	HWY: USH 12	COUNTY: SAUK	LIGHTING PLAN	SHEET 343	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-73\023601_LP.DWG
LAYOUT NAME - 023608_lp
PLOT DATE : 6/18/2025 3:40 PM
PLOT BY : BARRETT, WILL
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2



LIGHTING LEGEND

B-7-L(1,3), R(2,4)
STA 865+55.00, 22.0' LT
A/D-4(T)-10/0.5

- CONTROL CABINET DESIGNATION
- POLE NUMBER
- LIGHTING
- LIGHTING CIRCUIT(S)
- RECEPTACLE
- RECEPTACLE CIRCUIT (S)
- LOCATION (TO CENTER OF POLE)
- LUMINAIRE ARM LENGTH IN FEET
  10FT = ROADWAY SIDE
  0.5FT = PEDESTRIAN SIDE
- POLE TYPE
  (T) INCLUDES TRANSFORMER BASE
- LUMINAIRE DESIGNATION
  A = TYPE "A" - PEDESTRIAN LIGHTING
  D = TYPE "D" - ROADWAY LIGHTING
  (SEE LIGHT SYMBOL FOR TYPE IDENTIFICATION)

- ROADWAY LIGHTING (TYPE "D")
- PEDESTRIAN LIGHTING - MOUNTED 15-FT ABOVE GROUND LEVEL (TYPE "A")
- SIGNAL AND HAWK SYSTEM LIGHTING (FOR INFORMATION ONLY)
- LIGHTING CONTROL CABINET AND ELECTRICAL SERVICE METER BREAKER PEDESTAL ON CONCRETE CONTROL CABINET BASE
- CONDUIT (SEE CABLE AND CONDUIT LEGEND)
- PULL BOX, 24" X 36"

CABLE AND CONDUIT LEGEND

A — PROPOSED CONDUCTORS IN 2" SCHEDULE 40 RIGID NONMETALLIC CONDUIT:
(LIGHTING) 2#4 AWG , (RECEPTACLE) - 2#4 AWG, AND 1#4 AWG GROUND.

B — PROPOSED CONDUCTORS IN 2" SCHEDULE 40 RIGID NONMETALLIC CONDUIT:
(LIGHTING) 4#4 AWG , (RECEPTACLE) - 4#4 AWG, AND 1#4 AWG GROUND.

C — PROPOSED CONDUCTORS IN (2) 3" SCHEDULE 40 RIGID NONMETALLIC CONDUIT:
(LIGHTING) 8#4 AWG AND 1#4 AWG GROUND IN 3" SCHEDULE 40 RIGID NONMETALLIC CONDUIT.
(RECEPTACLE) - 8#4 AWG, AND 1#4 AWG GROUND IN 3" SCHEDULE 40 RIGID NONMETALLIC CONDUIT.

KEYED NOTES

1 — LIGHTING FIXTURE SHOWN AT THIS LOCATION IS WIRED AND MOUNTED ONTO PROPOSED HAWK SYSTEM. SEE SIGNAL PLAN FOR INFORMATION.

PROJECT NO: 6145-01-73	HWY: USH 12	COUNTY: SAUK	LIGHTING PLAN	SHEET 344	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-73\023601_LP.DWG
LAYOUT NAME - 023609_lp
PLOT DATE : 6/18/2025 10:26 AM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

LIGHTING LEGEND

B-7-L(1,3), R(2,4)
STA 865+55.00, 22.0' LT
A/D-4(T)-10/0.5

- CONTROL CABINET DESIGNATION
- POLE NUMBER
- LIGHTING
- LIGHTING CIRCUIT(S)
- RECEPTACLE
- RECEPTACLE CIRCUIT (S)
- LOCATION (TO CENTER OF POLE)
- LUMINAIRE ARM LENGTH IN FEET
  10FT = ROADWAY SIDE
  0.5FT = PEDESTRIAN SIDE
- POLE TYPE
  (T) INCLUDES TRANSFORMER BASE
- LUMINAIRE DESIGNATION
  A = TYPE "A" - PEDESTRIAN LIGHTING
  D = TYPE "D" - ROADWAY LIGHTING
  (SEE LIGHT SYMBOL FOR TYPE IDENTIFICATION)

- ROADWAY LIGHTING (TYPE "D")
- PEDESTRIAN LIGHTING - MOUNTED 15-FT ABOVE GROUND LEVEL (TYPE "A")
- SIGNAL AND HAWK SYSTEM LIGHTING (FOR INFORMATION ONLY)
- LIGHTING CONTROL CABINET AND ELECTRICAL SERVICE METER BREAKER PEDESTAL ON CONCRETE CONTROL CABINET BASE
- CONDUIT (SEE CABLE AND CONDUIT LEGEND)
- PULL BOX, 24" X 36"

CABLE AND CONDUIT LEGEND

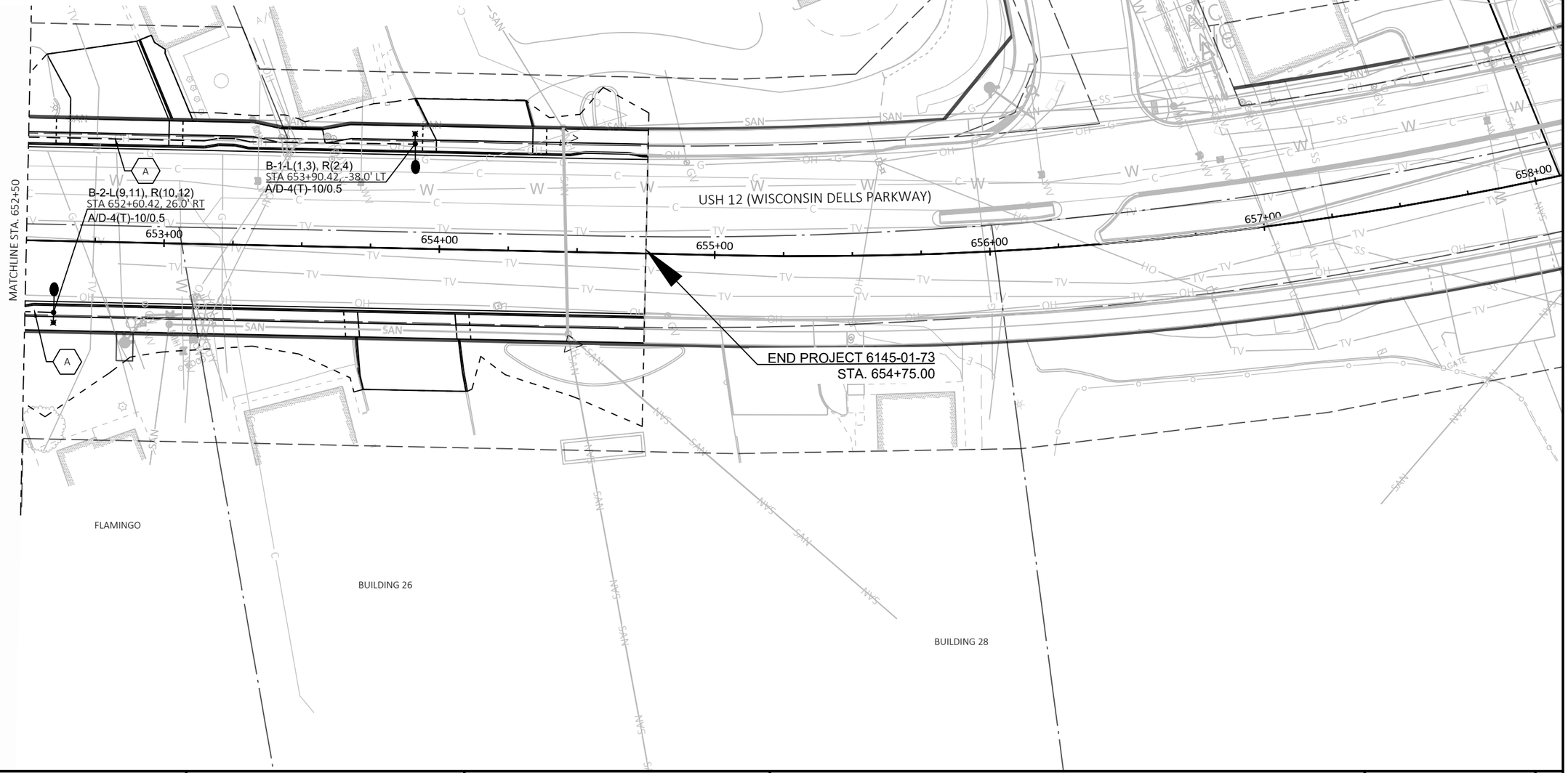
A — PROPOSED CONDUCTORS IN 2" SCHEDULE 40 RIGID NONMETALLIC CONDUIT:
(LIGHTING) 2#4 AWG , (RECEPTACLE) - 2#4 AWG, AND 1#4 AWG GROUND.

B — PROPOSED CONDUCTORS IN 2" SCHEDULE 40 RIGID NONMETALLIC CONDUIT:
(LIGHTING) 4#4 AWG , (RECEPTACLE) - 4#4 AWG, AND 1#4 AWG GROUND.

C — PROPOSED CONDUCTORS IN (2) 3" SCHEDULE 40 RIGID NONMETALLIC CONDUIT:
(LIGHTING) 8#4 AWG AND 1#4 AWG GROUND IN 3" SCHEDULE 40 RIGID NONMETALLIC CONDUIT.
(RECEPTACLE) - 8#4 AWG, AND 1#4 AWG GROUND IN 3" SCHEDULE 40 RIGID NONMETALLIC CONDUIT.

KEYED NOTES

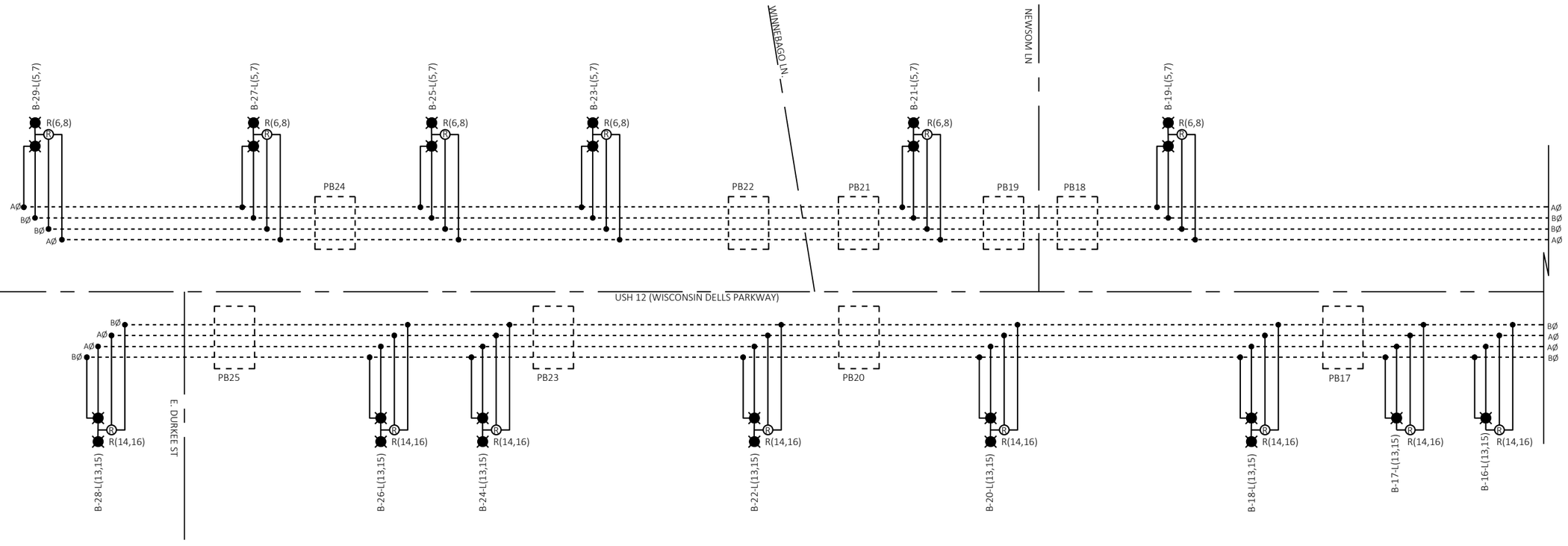
1. LIGHTING FIXTURE SHOWN AT THIS LOCATION IS WIRED AND MOUNTED ONTO PROPOSED HAWK SYSTEM. SEE SIGNAL PLAN FOR INFORMATION.



PROJECT NO: 6145-01-73	HWY: USH 12	COUNTY: SAUK	LIGHTING PLAN	SHEET 345	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-73\023601_LP.DWG
LAYOUT NAME - 023610_lp
PLOT DATE : 6/18/2025 10:27 AM
PLOT BY : CHAPMAN, JULIE
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

2



CIRCUITING DIAGRAM - CABINET "B" (120/240V)

NTS

GENERAL NOTE

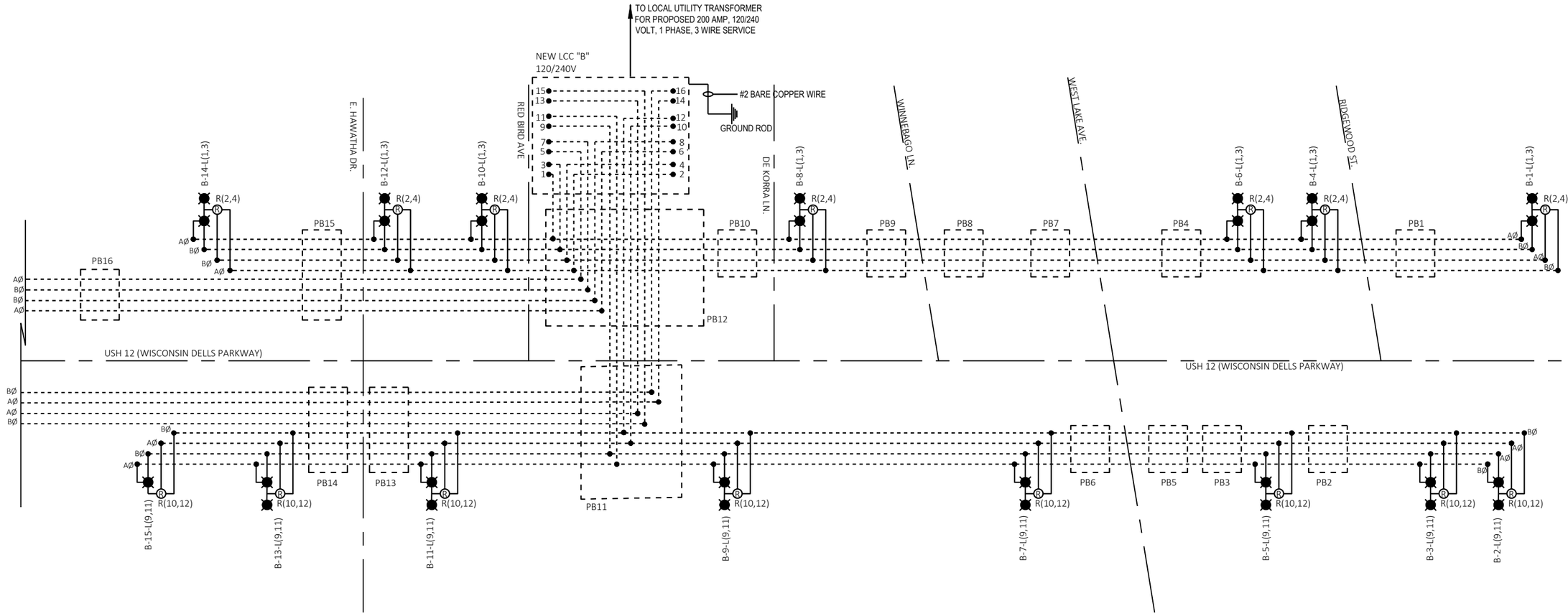
1. GROUNDING CONDUCTOR NOT SHOWN, BUT REQUIRED.

LIGHTING LEGEND

- LED LUMINAIRE
- Ⓡ POLE RECEPTACLE
- SPLICE

PROJECT NO: 6145-01-73	HWY: USH 12	COUNTY: SAUK	CIRCUITING DIAGRAM	SHEET 346	E

2



CIRCUITING DIAGRAM - CABINET "B" (120/240V)

NTS

GENERAL NOTE

1. GROUNDING CONDUCTOR NOT SHOWN, BUT REQUIRED.

LIGHTING LEGEND

- LED LUMINAIRE
- Ⓡ POLE RECEPTACLE
- SPLICE

PROJECT NO: 6145-01-73	HWY: USH 12	COUNTY: SAUK	CIRCUITING DIAGRAM	SHEET 347	E

2

2

USH 12 (WISCONSIN DELLS PARKWAY)

650+00 651+00 652+00 653+00 654+00 655+00

BEGIN PROJECT 6145-01-72
STA. 654+75.00

A-33-L(13,15), R(14,16)
STA 654+99.81, 26.0' RT
A/D-4(T)-10/0.5

MATCHLINE STA. 655+50

LIGHTING LEGEND

A-7-L(1,3), R(2,4)
STA 865+55.00, 22.0' LT
A/D-4(T)-10/0.5

- CONTROL CABINET DESIGNATION
- POLE NUMBER
- LIGHTING
- LIGHTING CIRCUIT(S)
- RECEPTACLE
- RECEPTACLE CIRCUIT (S)
- LOCATION (TO CENTER OF POLE)
- LUMINAIRE ARM LENGTH IN FEET
  10FT = ROADWAY SIDE
  0.5FT = PEDESTRIAN SIDE
- POLE TYPE
  (T) INCLUDES TRANSFORMER BASE
- LUMINAIRE DESIGNATION
  A = TYPE "A" - PEDESTRIAN LIGHTING
  D = TYPE "D" - ROADWAY LIGHTING
  (SEE LIGHT SYMBOL FOR TYPE IDENTIFICATION)

- ROADWAY LIGHTING (TYPE "D")
- PEDESTRIAN LIGHTING - MOUNTED 15-FT ABOVE GROUND LEVEL (TYPE "A")
- SIGNAL AND HAWK SYSTEM LIGHTING (FOR INFORMATION ONLY)
- LIGHTING CONTROL CABINET AND ELECTRICAL SERVICE METER BREAKER PEDESTAL ON CONCRETE CONTROL CABINET BASE
- CONDUIT (SEE CABLE AND CONDUIT LEGEND)
- PULL BOX, 24" X 36"

CABLE AND CONDUIT LEGEND

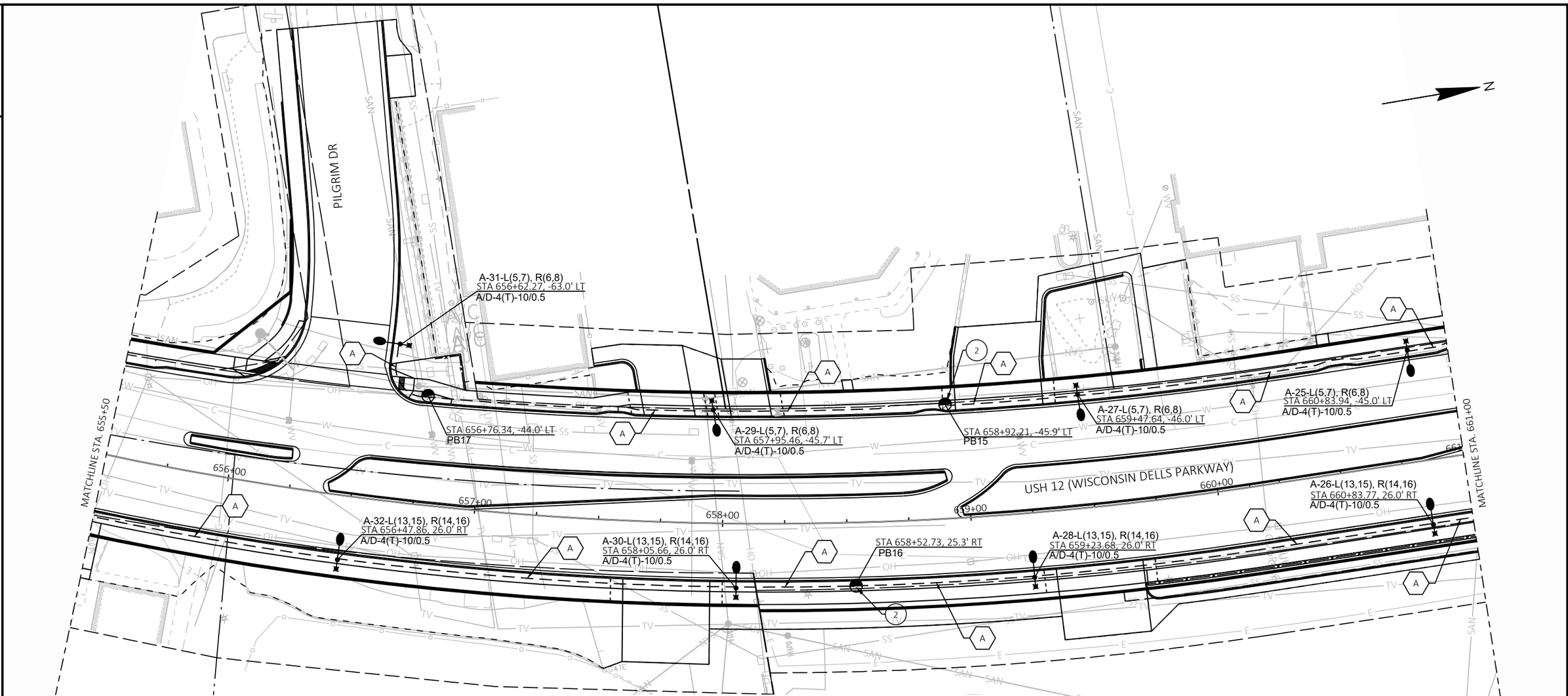
- (A) PROPOSED CONDUCTORS IN 2" SCHEDULE 40 RIGID NONMETALLIC CONDUIT:
  (LIGHTING) 2#4 AWG , (RECEPTACLE) - 2#4 AWG, AND 1#4 AWG GROUND.
- (B) PROPOSED CONDUCTORS IN 2" SCHEDULE 40 RIGID NONMETALLIC CONDUIT:
  (LIGHTING) 4#4 AWG , (RECEPTACLE) - 4#4 AWG, AND 1#4 AWG GROUND.
- (C) PROPOSED CONDUCTORS IN (2) 3" SCHEDULE 40 RIGID NONMETALLIC CONDUIT:
  (LIGHTING) 8#4 AWG AND 1#4 AWG GROUND IN 3" SCHEDULE 40 RIGID NONMETALLIC CONDUIT.
  (RECEPTACLE) - 8#4 AWG, AND 1#4 AWG GROUND IN 3" SCHEDULE 40 RIGID NONMETALLIC CONDUIT.

KEYED NOTES

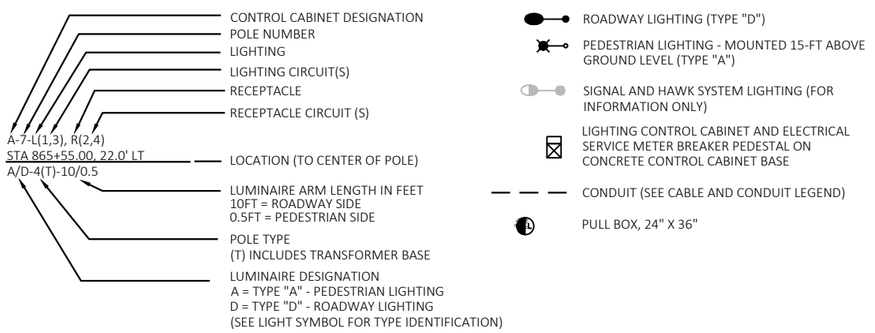
1. LIGHTING FIXTURE SHOWN AT THIS LOCATION IS WIRED AND MOUNTED ONTO PROPOSED HAWK SYSTEM. SEE SIGNAL PLAN FOR INFORMATION.
2. CONTRACTOR SHALL USE PULL BOX FOR CONSTRUCTION STAGES 1 AND 2 LIGHT CIRCUIT TERMINATION. SPLICE WIRE FOR CONSTRUCTION STAGES 3 AND 4 TO COMPLETE LIGHTING CIRCUITRY.

PROJECT NO: 6145-01-72	HWY: USH 12	COUNTY: SAUK	LIGHTING PLAN	SHEET 348	E

2



LIGHTING LEGEND



CABLE AND CONDUIT LEGEND

A — PROPOSED CONDUCTORS IN 2" SCHEDULE 40 RIGID NONMETALLIC CONDUIT:
(LIGHTING) 2#4 AWG , (RECEPTACLE) - 2#4 AWG, AND 1#4 AWG GROUND.

B — PROPOSED CONDUCTORS IN 2" SCHEDULE 40 RIGID NONMETALLIC CONDUIT:
(LIGHTING) 4#4 AWG , (RECEPTACLE) - 4#4 AWG, AND 1#4 AWG GROUND.

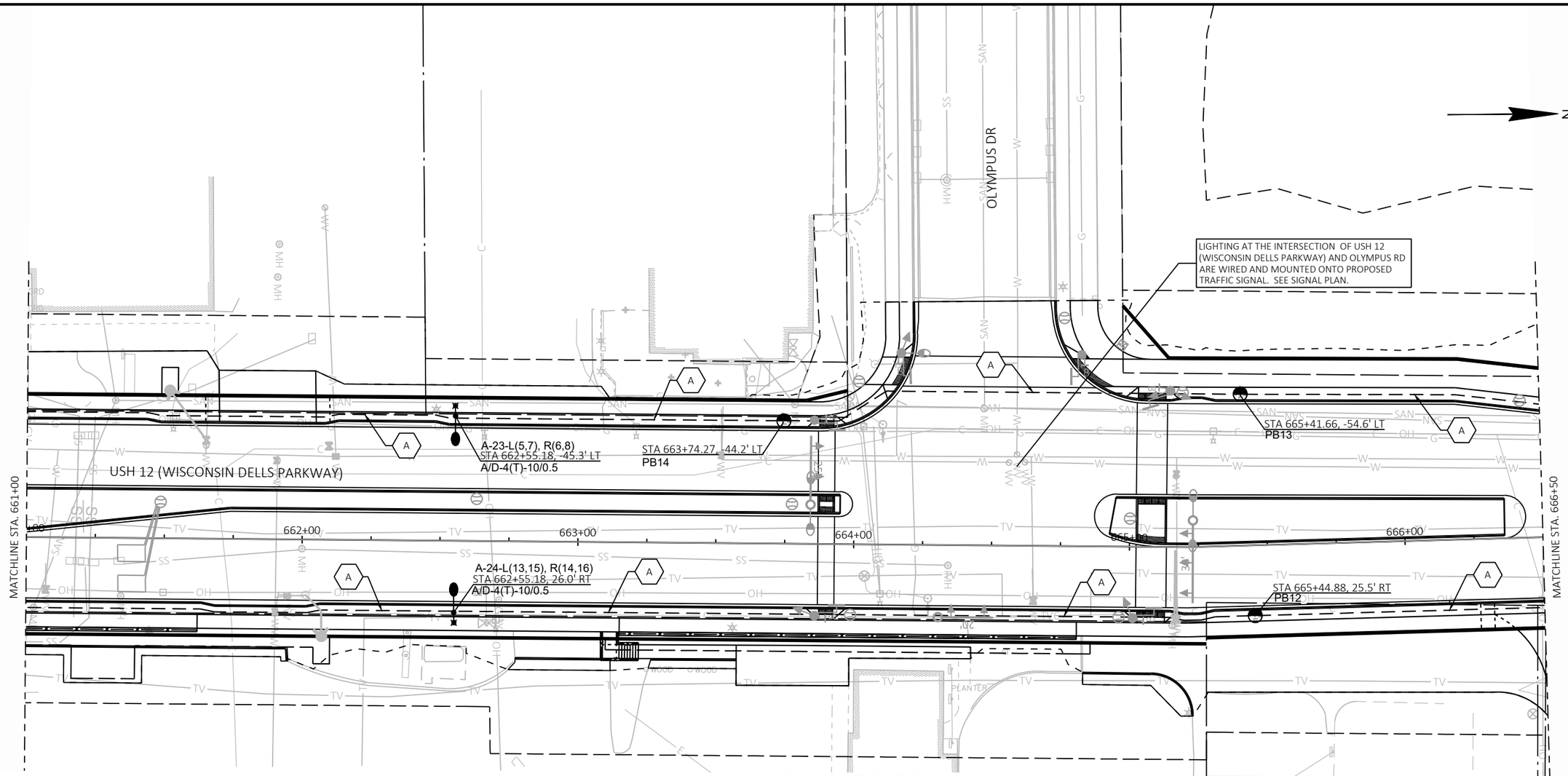
C — PROPOSED CONDUCTORS IN (2) 3" SCHEDULE 40 RIGID NONMETALLIC CONDUIT:
(LIGHTING) 8#4 AWG AND 1#4 AWG GROUND IN 3" SCHEDULE 40 RIGID NONMETALLIC CONDUIT.
(RECEPTACLE) - 8#4 AWG, AND 1#4 AWG GROUND IN 3" SCHEDULE 40 RIGID NONMETALLIC CONDUIT.

KEYED NOTES

1. LIGHTING FIXTURE SHOWN AT THIS LOCATION IS WIRED AND MOUNTED ONTO PROPOSED HAWK SYSTEM. SEE SIGNAL PLAN FOR INFORMATION.
2. CONTRACTOR SHALL USE PULL BOX FOR CONSTRUCTION STAGES 1 AND 2 LIGHT CIRCUIT TERMINATION. SPLICE WIRE FOR CONSTRUCTION STAGES 3 AND 4 TO COMPLETE LIGHTING CIRCUITRY.

PROJECT NO: 6145-01-72	HWY: USH 12	COUNTY: SAUK	LIGHTING PLAN	SHEET 349	E

2



LIGHTING LEGEND

A-7-L(1,3), R(2,4)
STA 865+55.00, 22.0' LT
A/D-4(T)-10/0.5

- CONTROL CABINET DESIGNATION
- POLE NUMBER
- LIGHTING
- LIGHTING CIRCUIT(S)
- RECEPTACLE
- RECEPTACLE CIRCUIT (S)
- LOCATION (TO CENTER OF POLE)
- LUMINAIRE ARM LENGTH IN FEET
  10FT = ROADWAY SIDE
  0.5FT = PEDESTRIAN SIDE
- POLE TYPE
  (T) INCLUDES TRANSFORMER BASE
- LUMINAIRE DESIGNATION
  A = TYPE "A" - PEDESTRIAN LIGHTING
  D = TYPE "D" - ROADWAY LIGHTING
  (SEE LIGHT SYMBOL FOR TYPE IDENTIFICATION)

- ROADWAY LIGHTING (TYPE "D")
- PEDESTRIAN LIGHTING - MOUNTED 15-FT ABOVE GROUND LEVEL (TYPE "A")
- SIGNAL AND HAWK SYSTEM LIGHTING (FOR INFORMATION ONLY)
- LIGHTING CONTROL CABINET AND ELECTRICAL SERVICE METER BREAKER PEDESTAL ON CONCRETE CONTROL CABINET BASE
- CONDUIT (SEE CABLE AND CONDUIT LEGEND)
- PULL BOX, 24" X 36"

CABLE AND CONDUIT LEGEND

A. PROPOSED CONDUCTORS IN 2" SCHEDULE 40 RIGID NONMETALLIC CONDUIT:
(LIGHTING) 2#4 AWG , (RECEPTACLE) - 2#4 AWG, AND 1#4 AWG GROUND.

B. PROPOSED CONDUCTORS IN 2" SCHEDULE 40 RIGID NONMETALLIC CONDUIT:
(LIGHTING) 4#4 AWG , (RECEPTACLE) - 4#4 AWG, AND 1#4 AWG GROUND.

C. PROPOSED CONDUCTORS IN (2) 3" SCHEDULE 40 RIGID NONMETALLIC CONDUIT:
(LIGHTING) 8#4 AWG AND 1#4 AWG GROUND IN 3" SCHEDULE 40 RIGID NONMETALLIC CONDUIT.
(RECEPTACLE) - 8#4 AWG, AND 1#4 AWG GROUND IN 3" SCHEDULE 40 RIGID NONMETALLIC CONDUIT.

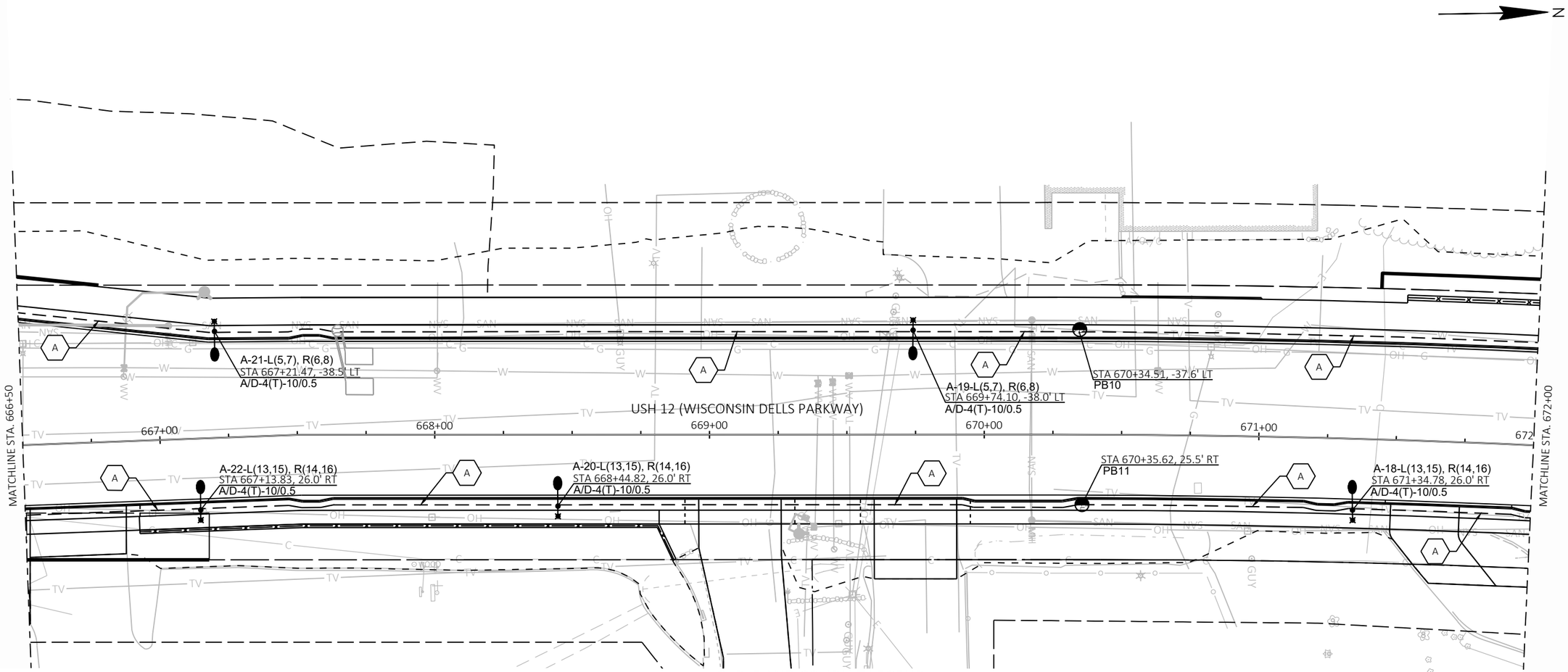
KEYED NOTES

1. LIGHTING FIXTURE SHOWN AT THIS LOCATION IS WIRED AND MOUNTED ONTO PROPOSED HAWK SYSTEM. SEE SIGNAL PLAN FOR INFORMATION.
2. CONTRACTOR SHALL USE PULL BOX FOR CONSTRUCTION STAGES 1 AND 2 LIGHT CIRCUIT TERMINATION. SPLICE WIRE FOR CONSTRUCTION STAGES 3 AND 4 TO COMPLETE LIGHTING CIRCUITRY.

PROJECT NO: 6145-01-72	HWY: USH 12	COUNTY: SAUK	LIGHTING PLAN	SHEET 350	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-72\023601_LP.DWG
LAYOUT NAME - 023603_lp
PLOT DATE : 6/18/2025 10:29 AM
PLOT BY : CHAPMAN, JULIE
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

2



LIGHTING LEGEND

A-7-L(1,3), R(2,4)
STA 865+55.00, 22.0' LT
A/D-4(T)-10/0.5

- CONTROL CABINET DESIGNATION
- POLE NUMBER
- LIGHTING
- LIGHTING CIRCUIT(S)
- RECEPTACLE
- RECEPTACLE CIRCUIT (S)
- LOCATION (TO CENTER OF POLE)
- LUMINAIRE ARM LENGTH IN FEET
  10FT = ROADWAY SIDE
  0.5FT = PEDESTRIAN SIDE
- POLE TYPE
  (T) INCLUDES TRANSFORMER BASE
- LUMINAIRE DESIGNATION
  A = TYPE "A" - PEDESTRIAN LIGHTING
  D = TYPE "D" - ROADWAY LIGHTING
  (SEE LIGHT SYMBOL FOR TYPE IDENTIFICATION)

- ROADWAY LIGHTING (TYPE "D")
- PEDESTRIAN LIGHTING - MOUNTED 15-FT ABOVE GROUND LEVEL (TYPE "A")
- SIGNAL AND HAWK SYSTEM LIGHTING (FOR INFORMATION ONLY)
- LIGHTING CONTROL CABINET AND ELECTRICAL SERVICE METER BREAKER PEDESTAL ON CONCRETE CONTROL CABINET BASE
- CONDUIT (SEE CABLE AND CONDUIT LEGEND)
- PULL BOX, 24" X 36"

CABLE AND CONDUIT LEGEND

A — PROPOSED CONDUCTORS IN 2" SCHEDULE 40 RIGID NONMETALLIC CONDUIT:
(LIGHTING) 2#4 AWG , (RECEPTACLE) - 2#4 AWG, AND 1#4 AWG GROUND.

B — PROPOSED CONDUCTORS IN 2" SCHEDULE 40 RIGID NONMETALLIC CONDUIT:
(LIGHTING) 4#4 AWG , (RECEPTACLE) - 4#4 AWG, AND 1#4 AWG GROUND.

C — PROPOSED CONDUCTORS IN (2) 3" SCHEDULE 40 RIGID NONMETALLIC CONDUIT:
(LIGHTING) 8#4 AWG AND 1#4 AWG GROUND IN 3" SCHEDULE 40 RIGID NONMETALLIC CONDUIT.
(RECEPTACLE) - 8#4 AWG, AND 1#4 AWG GROUND IN 3" SCHEDULE 40 RIGID NONMETALLIC CONDUIT.

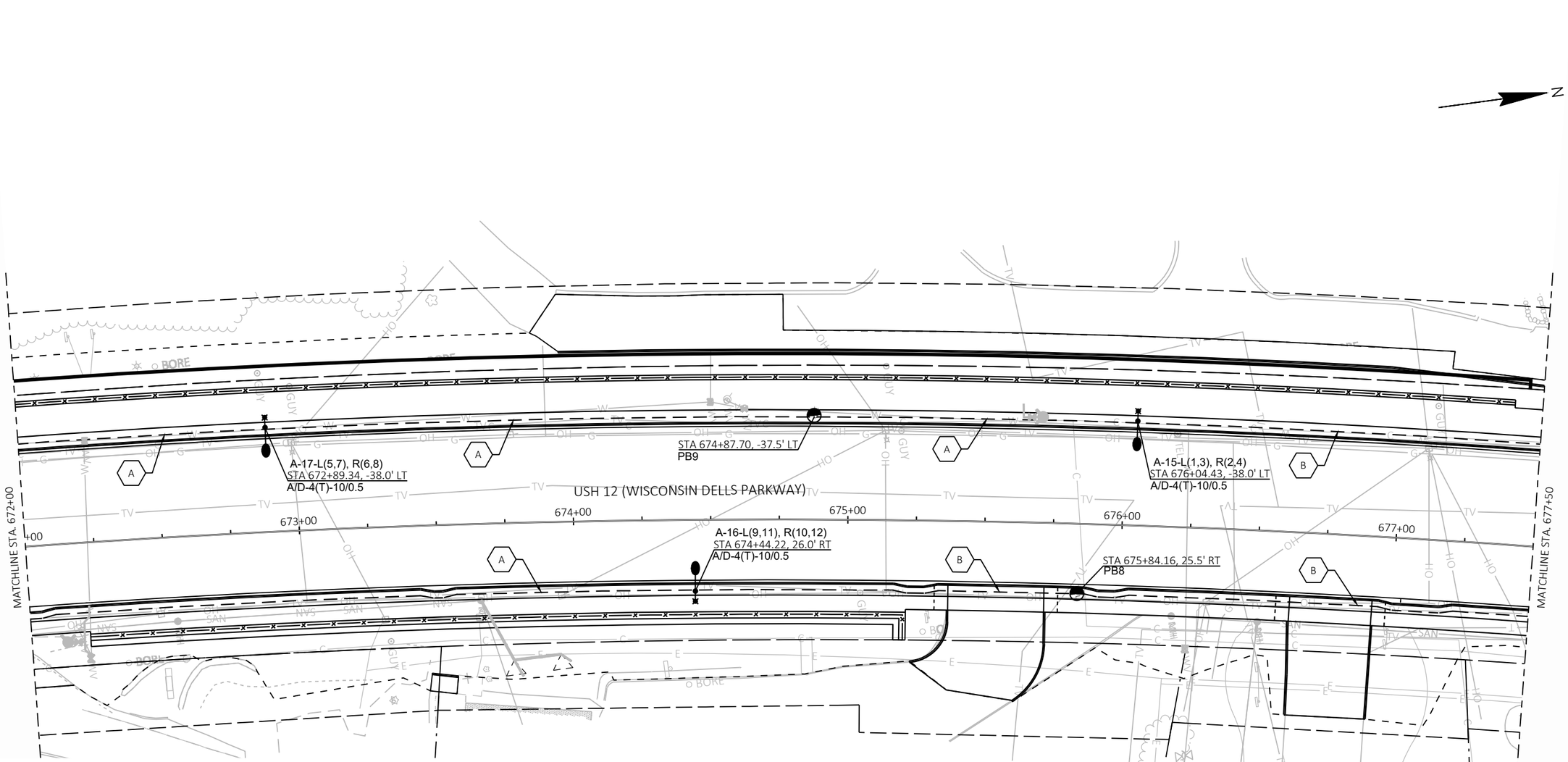
KEYED NOTES

1. LIGHTING FIXTURE SHOWN AT THIS LOCATION IS WIRED AND MOUNTED ONTO PROPOSED HAWK SYSTEM. SEE SIGNAL PLAN FOR INFORMATION.
2. CONTRACTOR SHALL USE PULL BOX FOR CONSTRUCTION STAGES 1 AND 2 LIGHT CIRCUIT TERMINATION. SPLICE WIRE FOR CONSTRUCTION STAGES 3 AND 4 TO COMPLETE LIGHTING CIRCUITRY.

PROJECT NO: 6145-01-72	HWY: USH 12	COUNTY: SAUK	LIGHTING PLAN	SHEET 351	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-72\023601_LP.DWG
LAYOUT NAME - 023604_lp
PLOT DATE : 6/18/2025 10:30 AM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2



LIGHTING LEGEND

- CONTROL CABINET DESIGNATION
- POLE NUMBER
- LIGHTING
- LIGHTING CIRCUIT(S)
- RECEPTACLE
- RECEPTACLE CIRCUIT (S)

A-7-L(1,3), R(2,4)
STA 865+55.00, 22.0' LT
A/D-4(T)-10/0.5

- LOCATION (TO CENTER OF POLE)
- LUMINAIRE ARM LENGTH IN FEET
  10FT = ROADWAY SIDE
  0.5FT = PEDESTRIAN SIDE
- POLE TYPE
  (T) INCLUDES TRANSFORMER BASE
- LUMINAIRE DESIGNATION
  A = TYPE "A" - PEDESTRIAN LIGHTING
  D = TYPE "D" - ROADWAY LIGHTING
  (SEE LIGHT SYMBOL FOR TYPE IDENTIFICATION)

- ROADWAY LIGHTING (TYPE "D")
- PEDESTRIAN LIGHTING - MOUNTED 15-FT ABOVE GROUND LEVEL (TYPE "A")
- SIGNAL AND HAWK SYSTEM LIGHTING (FOR INFORMATION ONLY)
- LIGHTING CONTROL CABINET AND ELECTRICAL SERVICE METER BREAKER PEDESTAL ON CONCRETE CONTROL CABINET BASE
- CONDUIT (SEE CABLE AND CONDUIT LEGEND)
- PULL BOX, 24" X 36"

CABLE AND CONDUIT LEGEND

A — PROPOSED CONDUCTORS IN 2" SCHEDULE 40 RIGID NONMETALLIC CONDUIT:
(LIGHTING) 2#4 AWG , (RECEPTACLE) - 2#4 AWG, AND 1#4 AWG GROUND.

B — PROPOSED CONDUCTORS IN 2" SCHEDULE 40 RIGID NONMETALLIC CONDUIT:
(LIGHTING) 4#4 AWG , (RECEPTACLE) - 4#4 AWG, AND 1#4 AWG GROUND.

C — PROPOSED CONDUCTORS IN (2) 3" SCHEDULE 40 RIGID NONMETALLIC CONDUIT:
(LIGHTING) 8#4 AWG AND 1#4 AWG GROUND IN 3" SCHEDULE 40 RIGID NONMETALLIC CONDUIT.
(RECEPTACLE) - 8#4 AWG, AND 1#4 AWG GROUND IN 3" SCHEDULE 40 RIGID NONMETALLIC CONDUIT.

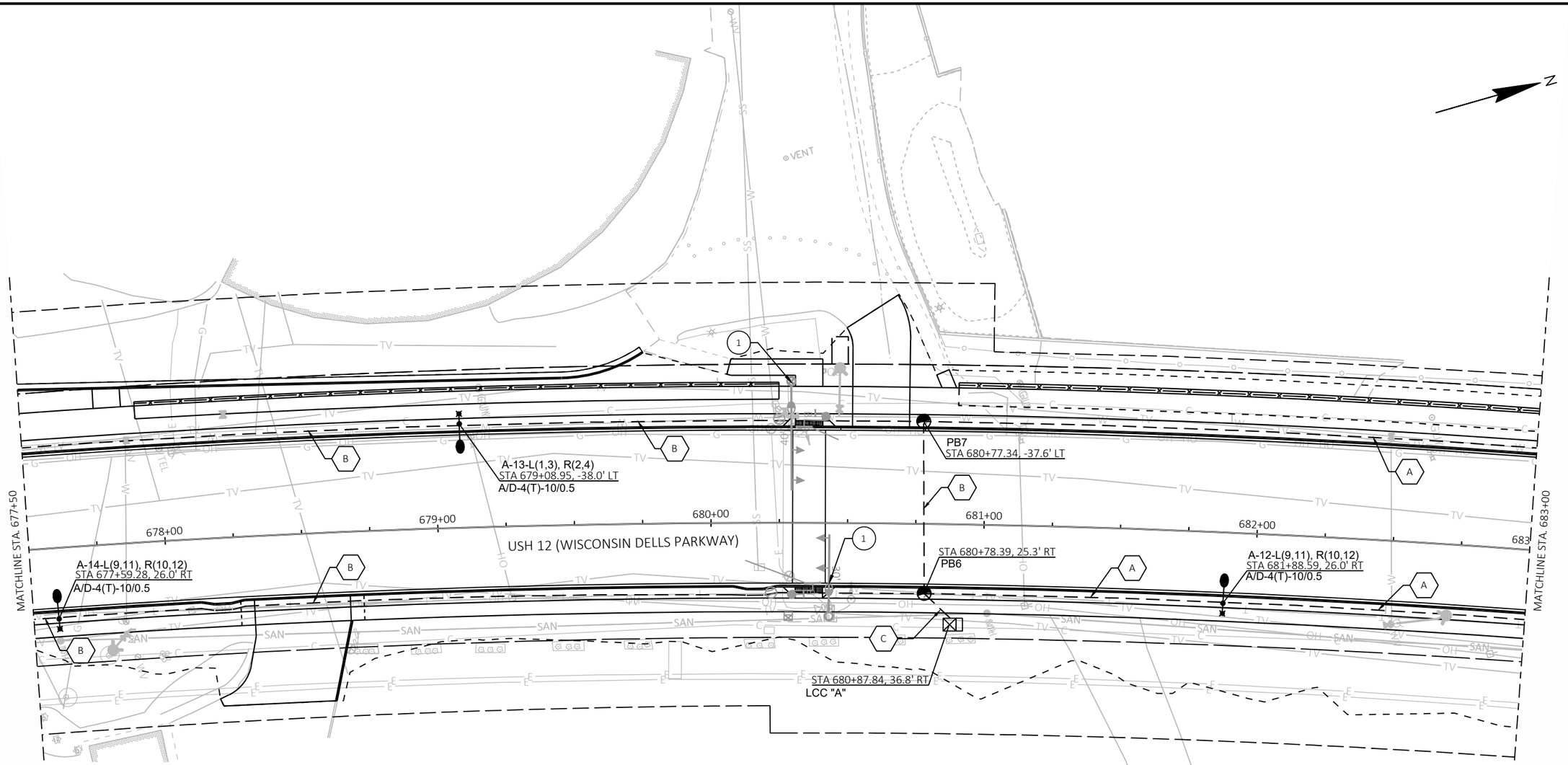
KEYED NOTES

1. LIGHTING FIXTURE SHOWN AT THIS LOCATION IS WIRED AND MOUNTED ONTO PROPOSED HAWK SYSTEM. SEE SIGNAL PLAN FOR INFORMATION.
2. CONTRACTOR SHALL USE PULL BOX FOR CONSTRUCTION STAGES 1 AND 2 LIGHT CIRCUIT TERMINATION. SPLICE WIRE FOR CONSTRUCTION STAGES 3 AND 4 TO COMPLETE LIGHTING CIRCUITRY.

PROJECT NO: 6145-01-72	HWY: USH 12	COUNTY: SAUK	LIGHTING PLAN	SHEET 352	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-72\023601_LP.DWG
LAYOUT NAME - 023605_lp
PLOT DATE : 6/18/2025 10:30 AM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2



LIGHTING LEGEND

A-7-L(1,3), R(2,4)
STA 865+55.00, 22.0' LT
A/D-4(T)-10/0.5

- CONTROL CABINET DESIGNATION
- POLE NUMBER
- LIGHTING
- LIGHTING CIRCUIT(S)
- RECEPTACLE
- RECEPTACLE CIRCUIT (S)
- LOCATION (TO CENTER OF POLE)
- LUMINAIRE ARM LENGTH IN FEET
  10FT = ROADWAY SIDE
  0.5FT = PEDESTRIAN SIDE
- POLE TYPE
  (T) INCLUDES TRANSFORMER BASE
- LUMINAIRE DESIGNATION
  A = TYPE "A" - PEDESTRIAN LIGHTING
  D = TYPE "D" - ROADWAY LIGHTING
  (SEE LIGHT SYMBOL FOR TYPE IDENTIFICATION)

- ROADWAY LIGHTING (TYPE "D")
- PEDESTRIAN LIGHTING - MOUNTED 15-FT ABOVE GROUND LEVEL (TYPE "A")
- SIGNAL AND HAWK SYSTEM LIGHTING (FOR INFORMATION ONLY)
- LIGHTING CONTROL CABINET AND ELECTRICAL SERVICE METER BREAKER PEDESTAL ON CONCRETE CONTROL CABINET BASE
- CONDUIT (SEE CABLE AND CONDUIT LEGEND)
- PULL BOX, 24" X 36"

CABLE AND CONDUIT LEGEND

A — PROPOSED CONDUCTORS IN 2" SCHEDULE 40 RIGID NONMETALLIC CONDUIT:
(LIGHTING) 2#4 AWG , (RECEPTACLE) - 2#4 AWG, AND 1#4 AWG GROUND.

B — PROPOSED CONDUCTORS IN 2" SCHEDULE 40 RIGID NONMETALLIC CONDUIT:
(LIGHTING) 4#4 AWG , (RECEPTACLE) - 4#4 AWG, AND 1#4 AWG GROUND.

C — PROPOSED CONDUCTORS IN (2) 3" SCHEDULE 40 RIGID NONMETALLIC CONDUIT:
(LIGHTING) 8#4 AWG AND 1#4 AWG GROUND IN 3" SCHEDULE 40 RIGID NONMETALLIC CONDUIT.
(RECEPTACLE) - 8#4 AWG, AND 1#4 AWG GROUND IN 3" SCHEDULE 40 RIGID NONMETALLIC CONDUIT.

KEYED NOTES

1. LIGHTING FIXTURE SHOWN AT THIS LOCATION IS WIRED AND MOUNTED ONTO PROPOSED HAWK SYSTEM. SEE SIGNAL PLAN FOR INFORMATION.
2. CONTRACTOR SHALL USE PULL BOX FOR CONSTRUCTION STAGES 1 AND 2 LIGHT CIRCUIT TERMINATION. SPLICE WIRE FOR CONSTRUCTION STAGES 3 AND 4 TO COMPLETE LIGHTING CIRCUITRY.

PROJECT NO: 6145-01-72	HWY: USH 12	COUNTY: SAUK	LIGHTING PLAN	SHEET 353	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-72\023601_LP.DWG
LAYOUT NAME - 023606_lp
PLOT DATE : 6/18/2025 10:30 AM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

LIGHTING LEGEND

A-7-L(1,3), R(2,4)
STA 865+55.00, 22.0' LT
A/D-4(T)-10/0.5

- CONTROL CABINET DESIGNATION
- POLE NUMBER
- LIGHTING
- LIGHTING CIRCUIT(S)
- RECEPTACLE
- RECEPTACLE CIRCUIT (S)
- LOCATION (TO CENTER OF POLE)
- LUMINAIRE ARM LENGTH IN FEET
  10FT = ROADWAY SIDE
  0.5FT = PEDESTRIAN SIDE
- POLE TYPE
  (T) INCLUDES TRANSFORMER BASE
- LUMINAIRE DESIGNATION
  A = TYPE "A" - PEDESTRIAN LIGHTING
  D = TYPE "D" - ROADWAY LIGHTING
  (SEE LIGHT SYMBOL FOR TYPE IDENTIFICATION)

- ROADWAY LIGHTING (TYPE "D")
- PEDESTRIAN LIGHTING - MOUNTED 15-FT ABOVE GROUND LEVEL (TYPE "A")
- SIGNAL AND HAWK SYSTEM LIGHTING (FOR INFORMATION ONLY)
- LIGHTING CONTROL CABINET AND ELECTRICAL SERVICE METER BREAKER PEDESTAL ON CONCRETE CONTROL CABINET BASE
- CONDUIT (SEE CABLE AND CONDUIT LEGEND)
- PULL BOX, 24" X 36"

CABLE AND CONDUIT LEGEND

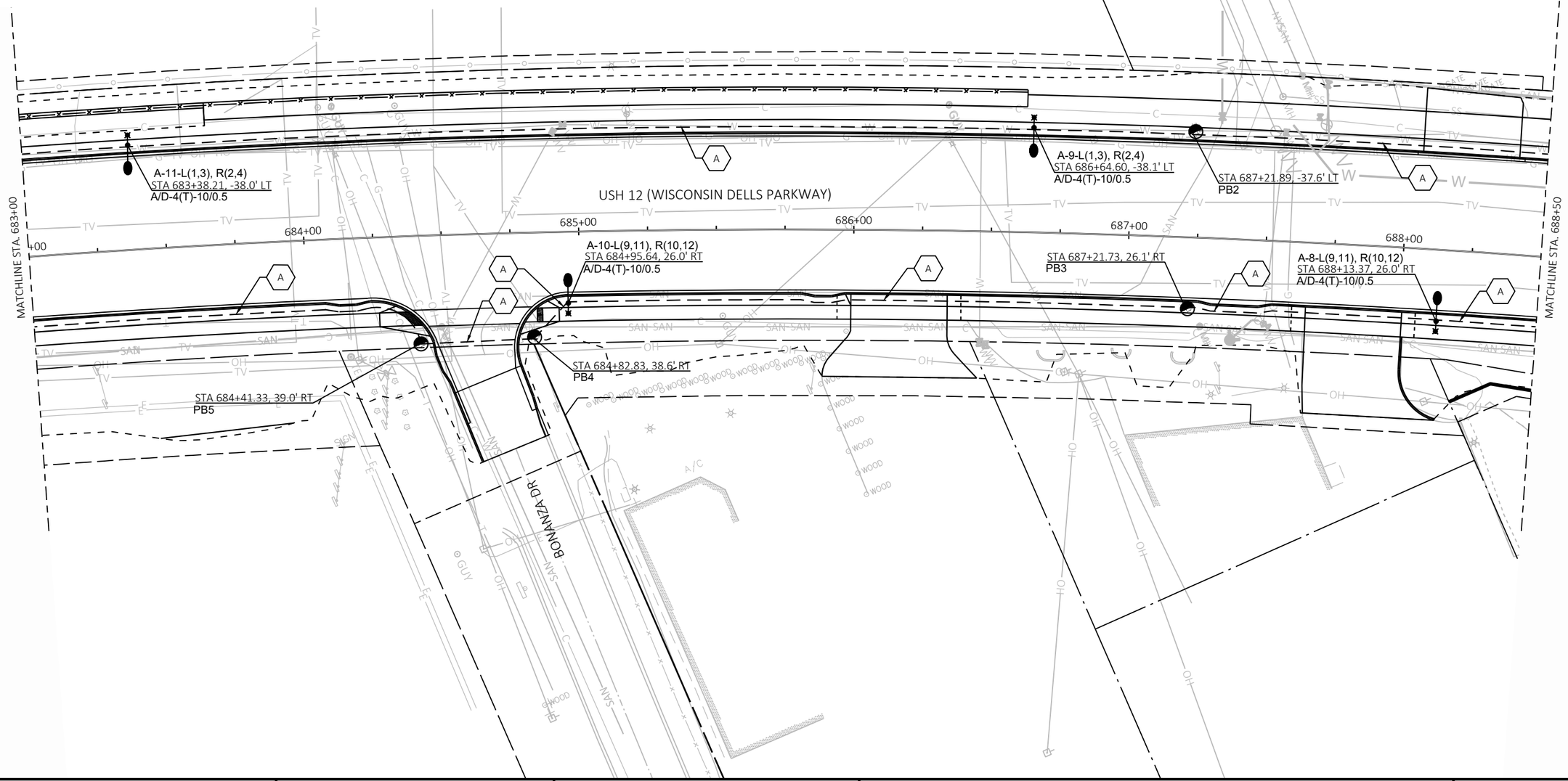
A — PROPOSED CONDUCTORS IN 2" SCHEDULE 40 RIGID NONMETALLIC CONDUIT:
(LIGHTING) 2#4 AWG , (RECEPTACLE) - 2#4 AWG, AND 1#4 AWG GROUND.

B — PROPOSED CONDUCTORS IN 2" SCHEDULE 40 RIGID NONMETALLIC CONDUIT:
(LIGHTING) 4#4 AWG , (RECEPTACLE) - 4#4 AWG, AND 1#4 AWG GROUND.

C — PROPOSED CONDUCTORS IN (2) 3" SCHEDULE 40 RIGID NONMETALLIC CONDUIT:
(LIGHTING) 8#4 AWG AND 1#4 AWG GROUND IN 3" SCHEDULE 40 RIGID NONMETALLIC CONDUIT.
(RECEPTACLE) - 8#4 AWG, AND 1#4 AWG GROUND IN 3" SCHEDULE 40 RIGID NONMETALLIC CONDUIT.

KEYED NOTES

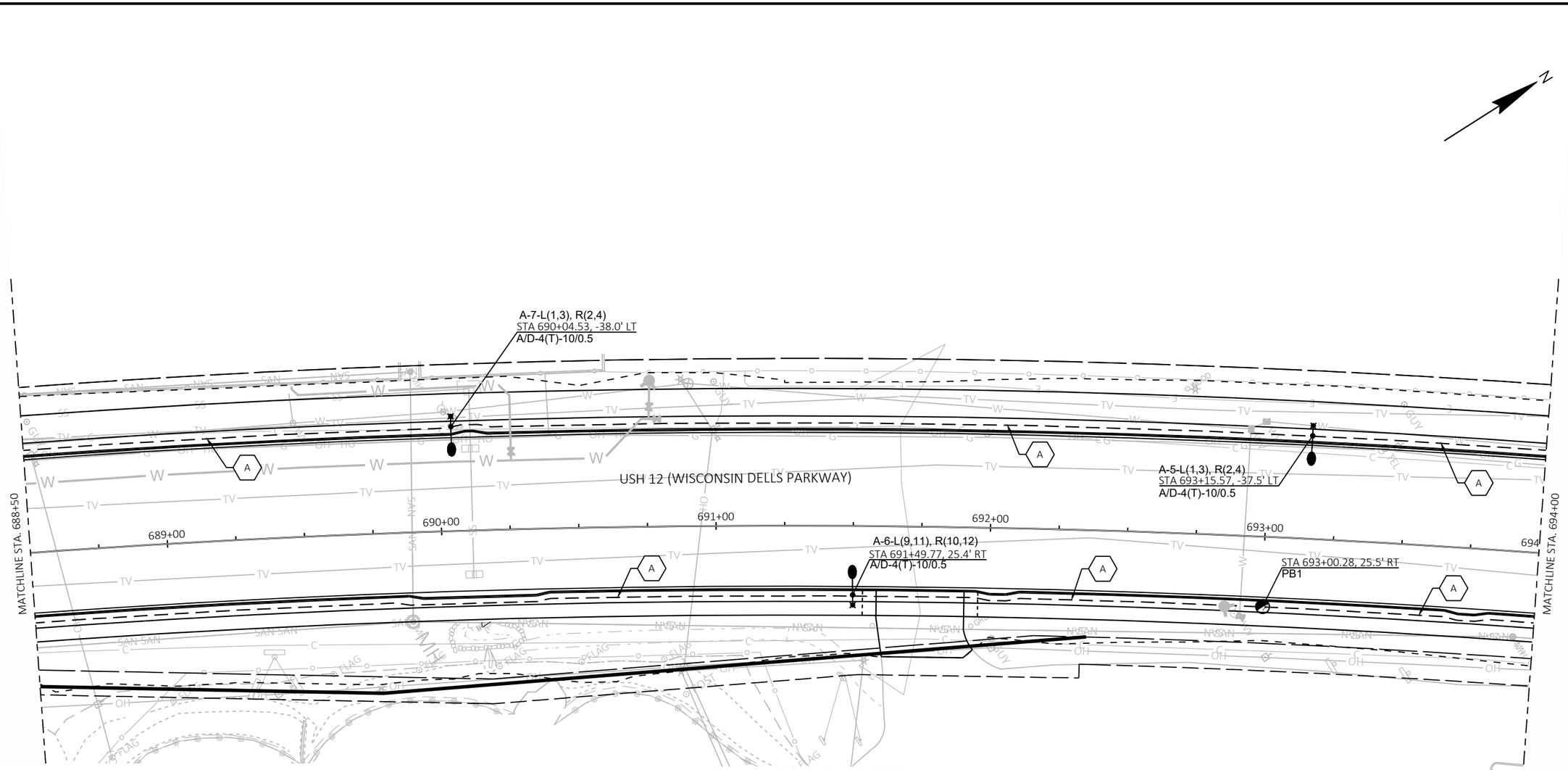
1. LIGHTING FIXTURE SHOWN AT THIS LOCATION IS WIRED AND MOUNTED ONTO PROPOSED HAWK SYSTEM. SEE SIGNAL PLAN FOR INFORMATION.
2. CONTRACTOR SHALL USE PULL BOX FOR CONSTRUCTION STAGES 1 AND 2 LIGHT CIRCUIT TERMINATION. SPLICE WIRE FOR CONSTRUCTION STAGES 3 AND 4 TO COMPLETE LIGHTING CIRCUITRY.



PROJECT NO: 6145-01-72	HWY: USH 12	COUNTY: SAUK	LIGHTING PLAN	SHEET 354	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-72\023601_LP.DWG
LAYOUT NAME - 023607_lp
PLOT DATE : 6/18/2025 10:30 AM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2



LIGHTING LEGEND

- CONTROL CABINET DESIGNATION
- POLE NUMBER
- LIGHTING
- LIGHTING CIRCUIT(S)
- RECEPTACLE
- RECEPTACLE CIRCUIT (S)
- A-7-L(1,3), R(2,4) / STA 865+55.00, 22.0' LT / A/D-4(T)-10/0.5 — LOCATION (TO CENTER OF POLE)
- LUMINAIRE ARM LENGTH IN FEET
  10FT = ROADWAY SIDE
  0.5FT = PEDESTRIAN SIDE
- POLE TYPE
  (T) INCLUDES TRANSFORMER BASE
- LUMINAIRE DESIGNATION
  A = TYPE "A" - PEDESTRIAN LIGHTING
  D = TYPE "D" - ROADWAY LIGHTING
  (SEE LIGHT SYMBOL FOR TYPE IDENTIFICATION)

- ROADWAY LIGHTING (TYPE "D")
- PEDESTRIAN LIGHTING - MOUNTED 15-FT ABOVE GROUND LEVEL (TYPE "A")
- SIGNAL AND HAWK SYSTEM LIGHTING (FOR INFORMATION ONLY)
- LIGHTING CONTROL CABINET AND ELECTRICAL SERVICE METER BREAKER PEDESTAL ON CONCRETE CONTROL CABINET BASE
- CONDUIT (SEE CABLE AND CONDUIT LEGEND)
- PULL BOX, 24" X 36"

CABLE AND CONDUIT LEGEND

A — PROPOSED CONDUCTORS IN 2" SCHEDULE 40 RIGID NONMETALLIC CONDUIT:
(LIGHTING) 2#4 AWG , (RECEPTACLE) - 2#4 AWG, AND 1#4 AWG GROUND.

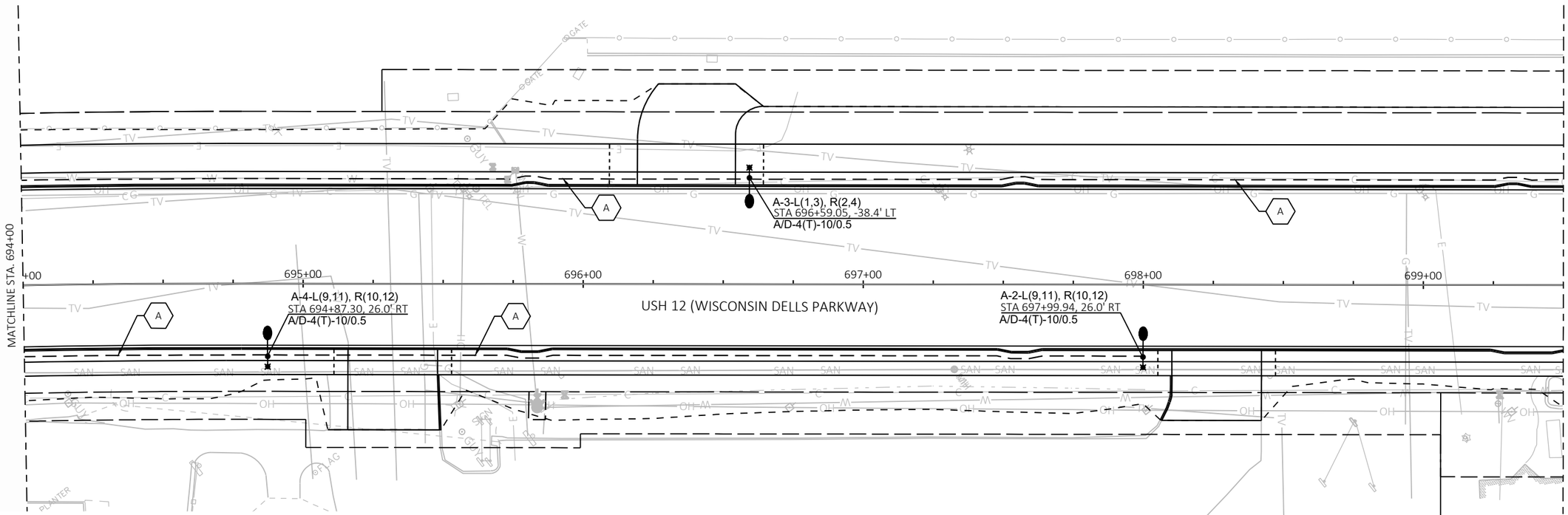
B — PROPOSED CONDUCTORS IN 2" SCHEDULE 40 RIGID NONMETALLIC CONDUIT:
(LIGHTING) 4#4 AWG , (RECEPTACLE) - 4#4 AWG, AND 1#4 AWG GROUND.

C — PROPOSED CONDUCTORS IN (2) 3" SCHEDULE 40 RIGID NONMETALLIC CONDUIT:
(LIGHTING) 8#4 AWG AND 1#4 AWG GROUND IN 3" SCHEDULE 40 RIGID NONMETALLIC CONDUIT.
(RECEPTACLE) - 8#4 AWG, AND 1#4 AWG GROUND IN 3" SCHEDULE 40 RIGID NONMETALLIC CONDUIT.

KEYED NOTES

1. LIGHTING FIXTURE SHOWN AT THIS LOCATION IS WIRED AND MOUNTED ONTO PROPOSED HAWK SYSTEM. SEE SIGNAL PLAN FOR INFORMATION.
2. CONTRACTOR SHALL USE PULL BOX FOR CONSTRUCTION STAGES 1 AND 2 LIGHT CIRCUIT TERMINATION. SPLICE WIRE FOR CONSTRUCTION STAGES 3 AND 4 TO COMPLETE LIGHTING CIRCUITRY.

2



LIGHTING LEGEND

A-7-L(1,3), R(2,4)
STA 865+55.00, 22.0' LT
A/D-4(T)-10/0.5

- CONTROL CABINET DESIGNATION
- POLE NUMBER
- LIGHTING
- LIGHTING CIRCUIT(S)
- RECEPTACLE
- RECEPTACLE CIRCUIT (S)
- LOCATION (TO CENTER OF POLE)
- LUMINAIRE ARM LENGTH IN FEET
  10FT = ROADWAY SIDE
  0.5FT = PEDESTRIAN SIDE
- POLE TYPE
  (T) INCLUDES TRANSFORMER BASE
- LUMINAIRE DESIGNATION
  A = TYPE "A" - PEDESTRIAN LIGHTING
  D = TYPE "D" - ROADWAY LIGHTING
  (SEE LIGHT SYMBOL FOR TYPE IDENTIFICATION)

- ROADWAY LIGHTING (TYPE "D")
- PEDESTRIAN LIGHTING - MOUNTED 15-FT ABOVE GROUND LEVEL (TYPE "A")
- SIGNAL AND HAWK SYSTEM LIGHTING (FOR INFORMATION ONLY)
- LIGHTING CONTROL CABINET AND ELECTRICAL SERVICE METER BREAKER PEDESTAL ON CONCRETE CONTROL CABINET BASE
- CONDUIT (SEE CABLE AND CONDUIT LEGEND)
- PULL BOX, 24" X 36"

CABLE AND CONDUIT LEGEND

(A) PROPOSED CONDUCTORS IN 2" SCHEDULE 40 RIGID NONMETALLIC CONDUIT:
(LIGHTING) 2#4 AWG , (RECEPTACLE) - 2#4 AWG, AND 1#4 AWG GROUND.

(B) PROPOSED CONDUCTORS IN 2" SCHEDULE 40 RIGID NONMETALLIC CONDUIT:
(LIGHTING) 4#4 AWG , (RECEPTACLE) - 4#4 AWG, AND 1#4 AWG GROUND.

(C) PROPOSED CONDUCTORS IN (2) 3" SCHEDULE 40 RIGID NONMETALLIC CONDUIT:
(LIGHTING) 8#4 AWG AND 1#4 AWG GROUND IN 3" SCHEDULE 40 RIGID NONMETALLIC CONDUIT.
(RECEPTACLE) - 8#4 AWG, AND 1#4 AWG GROUND IN 3" SCHEDULE 40 RIGID NONMETALLIC CONDUIT.

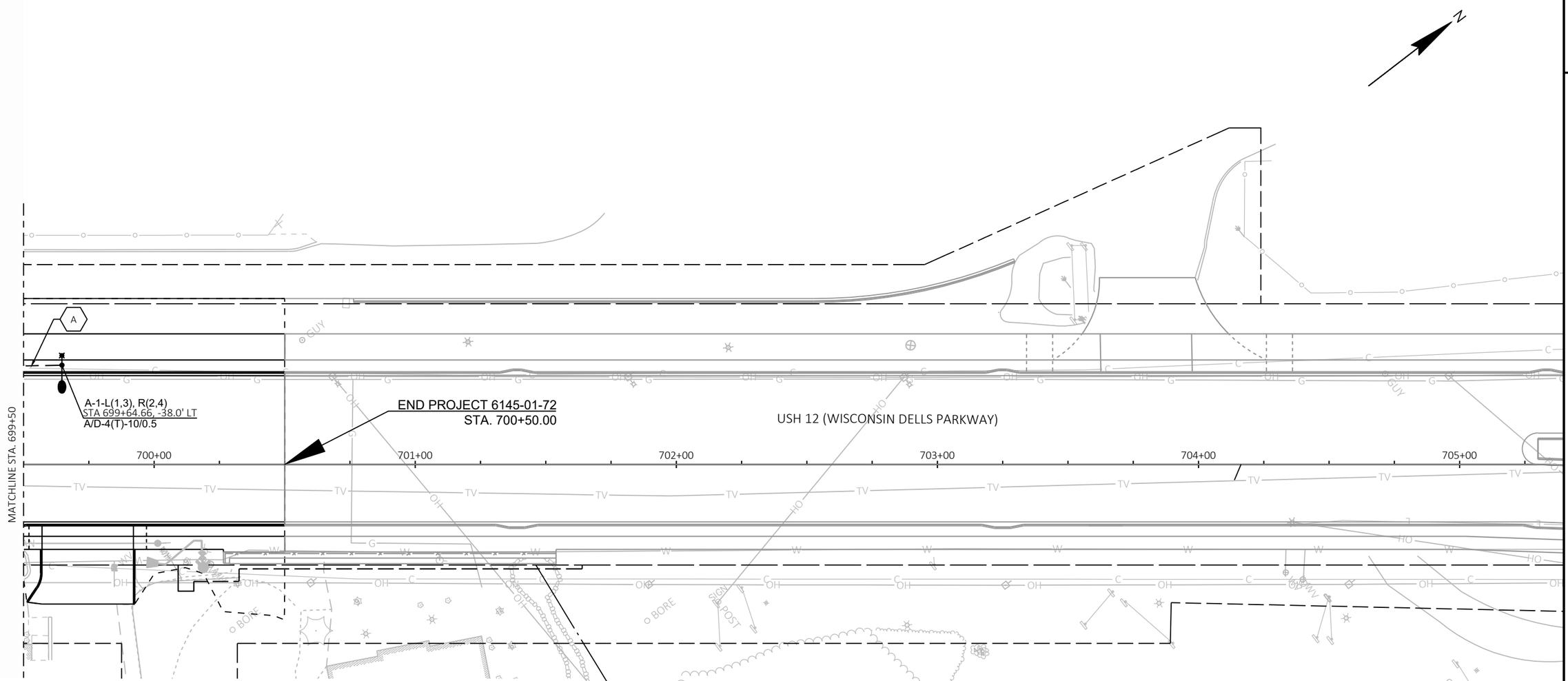
KEYED NOTES

1. LIGHTING FIXTURE SHOWN AT THIS LOCATION IS WIRED AND MOUNTED ONTO PROPOSED HAWK SYSTEM. SEE SIGNAL PLAN FOR INFORMATION.
2. CONTRACTOR SHALL USE PULL BOX FOR CONSTRUCTION STAGES 1 AND 2 LIGHT CIRCUIT TERMINATION. SPLICE WIRE FOR CONSTRUCTION STAGES 3 AND 4 TO COMPLETE LIGHTING CIRCUITRY.

PROJECT NO: 6145-01-72	HWY: USH 12	COUNTY: SAUK	LIGHTING PLAN	SHEET 356	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-72\023601_LP.DWG
LAYOUT NAME - 023609_lp
PLOT DATE : 6/18/2025 10:31 AM
PLOT BY : CHAPMAN, JULIE
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2



LIGHTING LEGEND

A-7-L(1,3), R(2,4)
STA 865+55.00, 22.0' LT
A/D-4(T)-10/0.5

- CONTROL CABINET DESIGNATION
- POLE NUMBER
- LIGHTING
- LIGHTING CIRCUIT(S)
- RECEPTACLE
- RECEPTACLE CIRCUIT (S)
- LOCATION (TO CENTER OF POLE)
- LUMINAIRE ARM LENGTH IN FEET
  10FT = ROADWAY SIDE
  0.5FT = PEDESTRIAN SIDE
- POLE TYPE
  (T) INCLUDES TRANSFORMER BASE
- LUMINAIRE DESIGNATION
  A = TYPE "A" - PEDESTRIAN LIGHTING
  D = TYPE "D" - ROADWAY LIGHTING
  (SEE LIGHT SYMBOL FOR TYPE IDENTIFICATION)

- ROADWAY LIGHTING (TYPE "D")
- PEDESTRIAN LIGHTING - MOUNTED 15-FT ABOVE GROUND LEVEL (TYPE "A")
- SIGNAL AND HAWK SYSTEM LIGHTING (FOR INFORMATION ONLY)
- LIGHTING CONTROL CABINET AND ELECTRICAL SERVICE METER BREAKER PEDESTAL ON CONCRETE CONTROL CABINET BASE
- CONDUIT (SEE CABLE AND CONDUIT LEGEND)
- PULL BOX, 24" X 36"

CABLE AND CONDUIT LEGEND

A — PROPOSED CONDUCTORS IN 2" SCHEDULE 40 RIGID NONMETALLIC CONDUIT:
(LIGHTING) 2#4 AWG , (RECEPTACLE) - 2#4 AWG, AND 1#4 AWG GROUND.

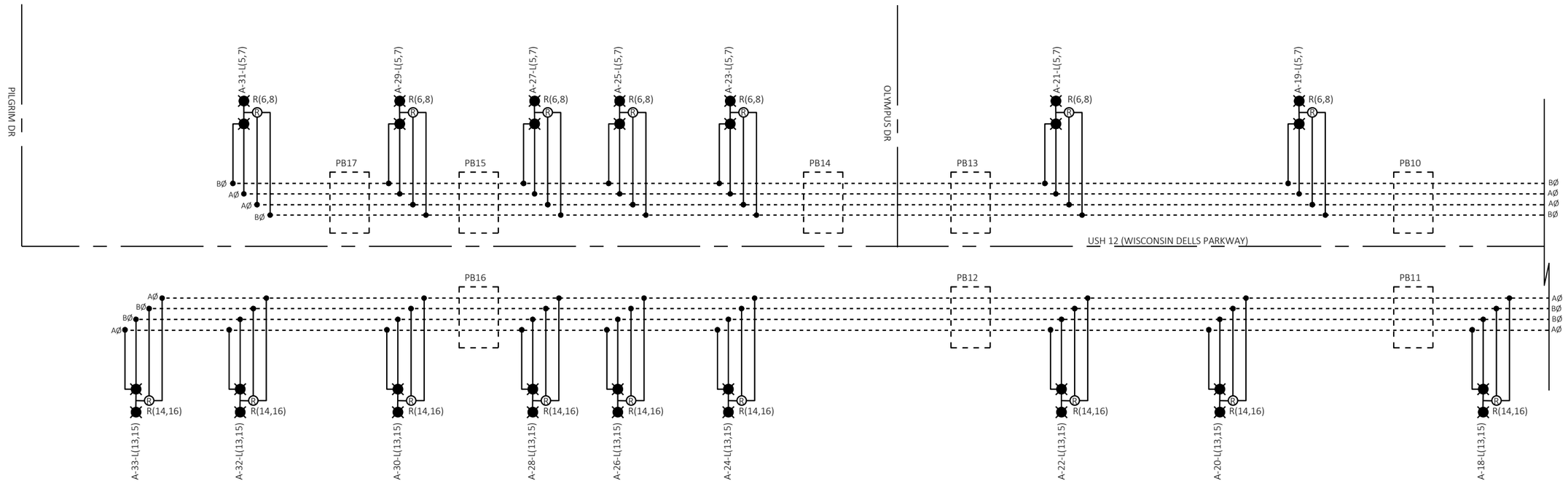
B — PROPOSED CONDUCTORS IN 2" SCHEDULE 40 RIGID NONMETALLIC CONDUIT:
(LIGHTING) 4#4 AWG , (RECEPTACLE) - 4#4 AWG, AND 1#4 AWG GROUND.

C — PROPOSED CONDUCTORS IN (2) 3" SCHEDULE 40 RIGID NONMETALLIC CONDUIT:
(LIGHTING) 8#4 AWG AND 1#4 AWG GROUND IN 3" SCHEDULE 40 RIGID NONMETALLIC CONDUIT.
(RECEPTACLE) - 8#4 AWG, AND 1#4 AWG GROUND IN 3" SCHEDULE 40 RIGID NONMETALLIC CONDUIT.

KEYED NOTES

1. LIGHTING FIXTURE SHOWN AT THIS LOCATION IS WIRED AND MOUNTED ONTO PROPOSED HAWK SYSTEM. SEE SIGNAL PLAN FOR INFORMATION.
2. CONTRACTOR SHALL USE PULL BOX FOR CONSTRUCTION STAGES 1 AND 2 LIGHT CIRCUIT TERMINATION. SPLICE WIRE FOR CONSTRUCTION STAGES 3 AND 4 TO COMPLETE LIGHTING CIRCUITRY.

2



CIRCUITING DIAGRAM - CABINET "A" (120/240V)

NTS

GENERAL NOTE

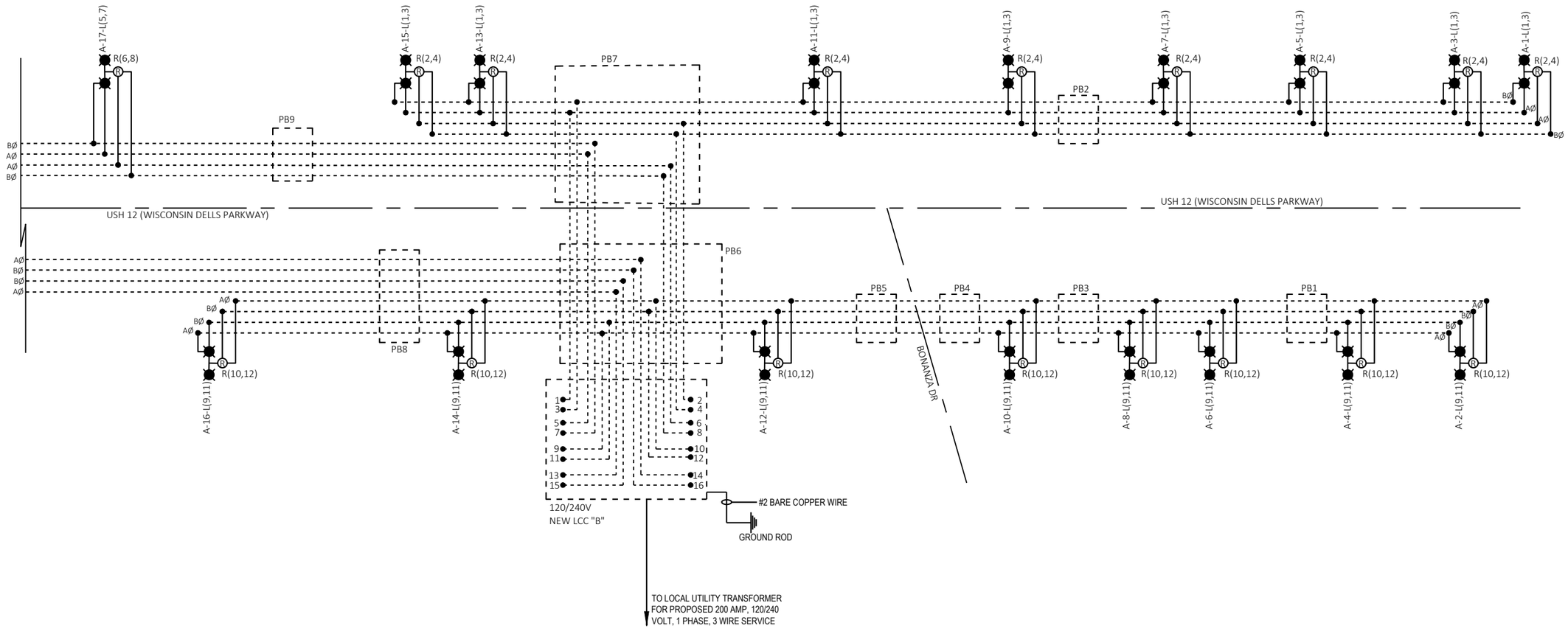
1. GROUNDING CONDUCTOR NOT SHOWN, BUT REQUIRED.

LIGHTING LEGEND

- LED LUMINAIRE
- POLE RECEPTACLE
- SPLICE

PROJECT NO: 6145-01-72	HWY: USH 12	COUNTY: SAUK	CIRCUITING DIAGRAM	SHEET 358	E

2



CIRCUITING DIAGRAM - CABINET "A" (120/240V)

NTS

GENERAL NOTE

1. GROUNDING CONDUCTOR NOT SHOWN, BUT REQUIRED.

LIGHTING LEGEND

- LED LUMINAIRE
- Ⓡ POLE RECEPTACLE
- ● SPLICE

PROJECT NO: 6145-01-72	HWY: USH 12	COUNTY: SAUK	CIRCUITING DIAGRAM	SHEET 359	E

LIGHTING LEGEND

- CONTROL CABINET DESIGNATION
- POLE NUMBER
- LIGHTING
- LIGHTING CIRCUIT(S)
- RECEPTACLE
- RECEPTACLE CIRCUIT (S)

C-7-L(1,3), R(2,4)
STA 865+55.00, 22.0' LT
A/D-4(T)-10/0.5

- LOCATION (TO CENTER OF POLE)
- LUMINAIRE ARM LENGTH IN FEET
  10FT = ROADWAY SIDE
  0.5FT = PEDESTRIAN SIDE
- POLE TYPE
  (T) INCLUDES TRANSFORMER BASE
- LUMINAIRE DESIGNATION
  A = TYPE "A" - PEDESTRIAN LIGHTING
  D = TYPE "D" - ROADWAY LIGHTING
  (SEE LIGHT SYMBOL FOR TYPE IDENTIFICATION)

- ROADWAY LIGHTING (TYPE "D")
- PEDESTRIAN LIGHTING - MOUNTED 15-FT ABOVE GROUND LEVEL (TYPE "A")
- SIGNAL AND HAWK SYSTEM LIGHTING (FOR INFORMATION ONLY)
- LIGHTING CONTROL CABINET AND ELECTRICAL SERVICE METER BREAKER PEDESTAL ON CONCRETE CONTROL CABINET BASE
- CONDUIT (SEE CABLE AND CONDUIT LEGEND)
- PULL BOX, 24" X 36"

CABLE AND CONDUIT LEGEND

A. PROPOSED CONDUCTORS IN 2" SCHEDULE 40 RIGID NONMETALLIC CONDUIT:
(LIGHTING) 2#4 AWG , (RECEPTACLE) - 2#4 AWG, AND 1#4 AWG GROUND.

B. PROPOSED CONDUCTORS IN 2" SCHEDULE 40 RIGID NONMETALLIC CONDUIT:
(LIGHTING) 4#4 AWG , (RECEPTACLE) - 4#4 AWG, AND 1#4 AWG GROUND.

C. PROPOSED CONDUCTORS IN (2) 3" SCHEDULE 40 RIGID NONMETALLIC CONDUIT:
(LIGHTING) 8#4 AWG AND 1#4 AWG GROUND IN 3" SCHEDULE 40 RIGID NONMETALLIC CONDUIT.
(RECEPTACLE) - 8#4 AWG, AND 1#4 AWG GROUND IN 3" SCHEDULE 40 RIGID NONMETALLIC CONDUIT.

D. PROPOSED 4" SCHEDULE 40 RIGID NONMETALLIC EMPTY CONDUIT.

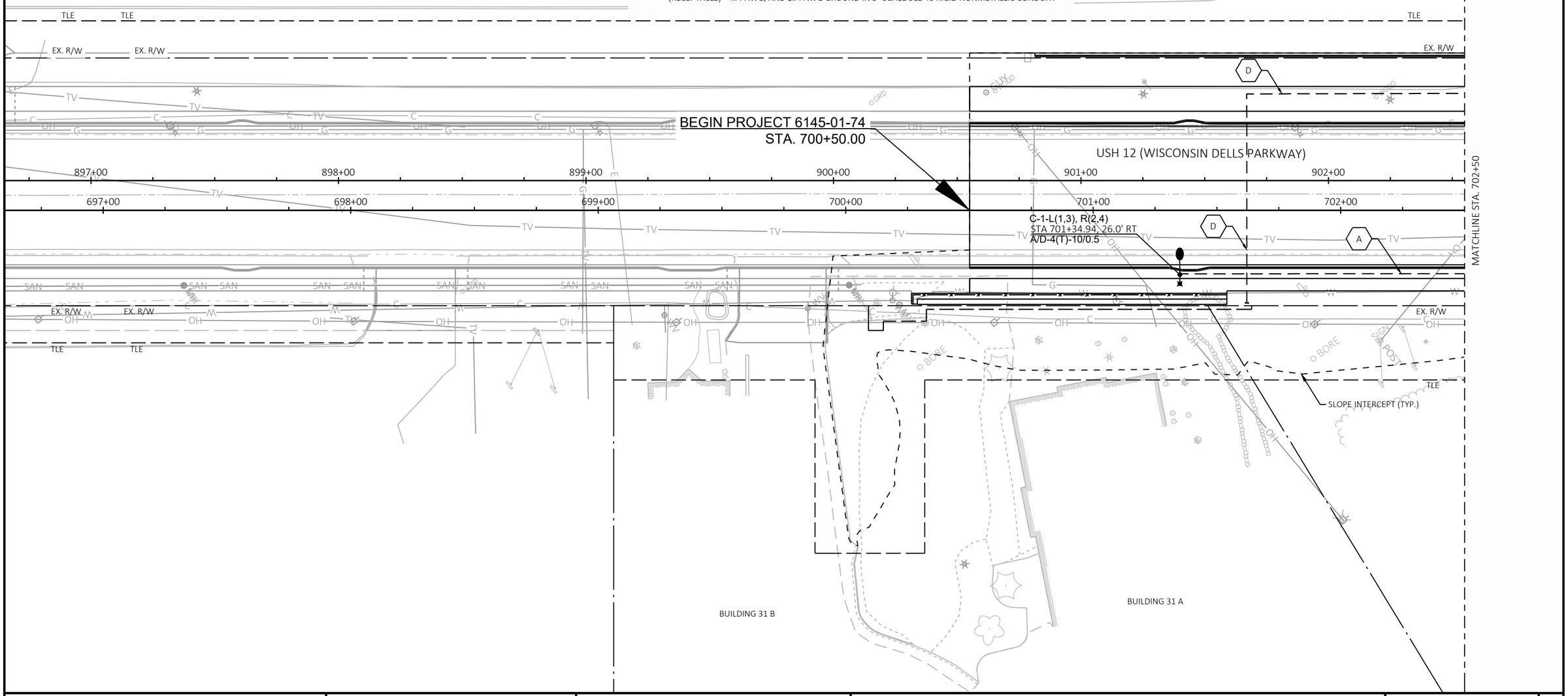
E. INSTALL PROPOSED 4" SCHEDULE 40 RIGID NONMETALLIC EMPTY CONDUIT PARALLEL TO 2" CONDUIT.

F. PROPOSED 2" SCHEDULE 40 RIGID NONMETALLIC EMPTY CONDUIT.

G. PROPOSED CONDUCTORS IN (2) 3" SCHEDULE 40 RIGID NONMETALLIC CONDUIT:
(LIGHTING) 4#4 AWG AND 1#4 AWG GROUND IN 3" SCHEDULE 40 RIGID NONMETALLIC CONDUIT.
(RECEPTACLE) - 4#4 AWG, AND 1#4 AWG GROUND IN 3" SCHEDULE 40 RIGID NONMETALLIC CONDUIT.

KEYED NOTES

1. END OF 4" EMPTY CONDUIT RUN.
2. CONTRACTOR TO COORDINATE WITH CITY OF WISCONSIN DELLS - ELECTRIC WITH INSTALLATION OF 6" CONDUIT IN SAME TRENCH AS 4" CONDUIT INSTALLED BY CONTRACTOR."
3. EXISTING LIGHT POLE, LUMINAIRE, LUMINAIRE ARM, TRANSFORMER BASE TO BE REMOVED AND RELOCATED. CONTRACTOR SHALL REMOVE AND DISPOSE OF CONCRETE BASE. CONTRACTOR TO VERIFY CIRCUIT WIRING PRIOR TO DE-ENERGIZING.
4. EXISTING LIGHT POLE, LUMINAIRE, LUMINAIRE ARM, TRANSFORMER BASE (NEW LOCATION). CONTRACTOR SHALL INSTALL NEW TYPE 5 CONCRETE BASE.



PROJECT NO: 6145-01-74	HWY: USH 12	COUNTY: SAUK	LIGHTING PLAN	SHEET 360	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-74\023601_LP.DWG
LAYOUT NAME - 023601_lp
PLOT DATE : 1/27/2026 10:54 AM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:40 FT

LIGHTING LEGEND

- CONTROL CABINET DESIGNATION
- POLE NUMBER
- LIGHTING
- LIGHTING CIRCUIT(S)
- RECEPTACLE
- RECEPTACLE CIRCUIT (S)

C-7-L(1,3), R(2,4)
STA 865+55.00, 22.0' LT
A/D-4(T)-10/0.5

- LOCATION (TO CENTER OF POLE)
- LUMINAIRE ARM LENGTH IN FEET
  10FT = ROADWAY SIDE
  0.5FT = PEDESTRIAN SIDE
- POLE TYPE
  (T) INCLUDES TRANSFORMER BASE
- LUMINAIRE DESIGNATION
  A = TYPE "A" - PEDESTRIAN LIGHTING
  D = TYPE "D" - ROADWAY LIGHTING
  (SEE LIGHT SYMBOL FOR TYPE IDENTIFICATION)

- ROADWAY LIGHTING (TYPE "D")
- PEDESTRIAN LIGHTING - MOUNTED 15-FT ABOVE GROUND LEVEL (TYPE "A")
- SIGNAL AND HAWK SYSTEM LIGHTING (FOR INFORMATION ONLY)
- LIGHTING CONTROL CABINET AND ELECTRICAL SERVICE METER BREAKER PEDESTAL ON CONCRETE CONTROL CABINET BASE
- CONDUIT (SEE CABLE AND CONDUIT LEGEND)
- PULL BOX, 24" X 36"

CABLE AND CONDUIT LEGEND

A. PROPOSED CONDUCTORS IN 2" SCHEDULE 40 RIGID NONMETALLIC CONDUIT:
(LIGHTING) 2#4 AWG , (RECEPTACLE) - 2#4 AWG, AND 1#4 AWG GROUND.

B. PROPOSED CONDUCTORS IN 2" SCHEDULE 40 RIGID NONMETALLIC CONDUIT:
(LIGHTING) 4#4 AWG , (RECEPTACLE) - 4#4 AWG, AND 1#4 AWG GROUND.

C. PROPOSED CONDUCTORS IN (2) 3" SCHEDULE 40 RIGID NONMETALLIC CONDUIT:
(LIGHTING) 8#4 AWG AND 1#4 AWG GROUND IN 3" SCHEDULE 40 RIGID NONMETALLIC CONDUIT.
(RECEPTACLE) - 8#4 AWG, AND 1#4 AWG GROUND IN 3" SCHEDULE 40 RIGID NONMETALLIC CONDUIT.

D. PROPOSED 4" SCHEDULE 40 RIGID NONMETALLIC EMPTY CONDUIT.

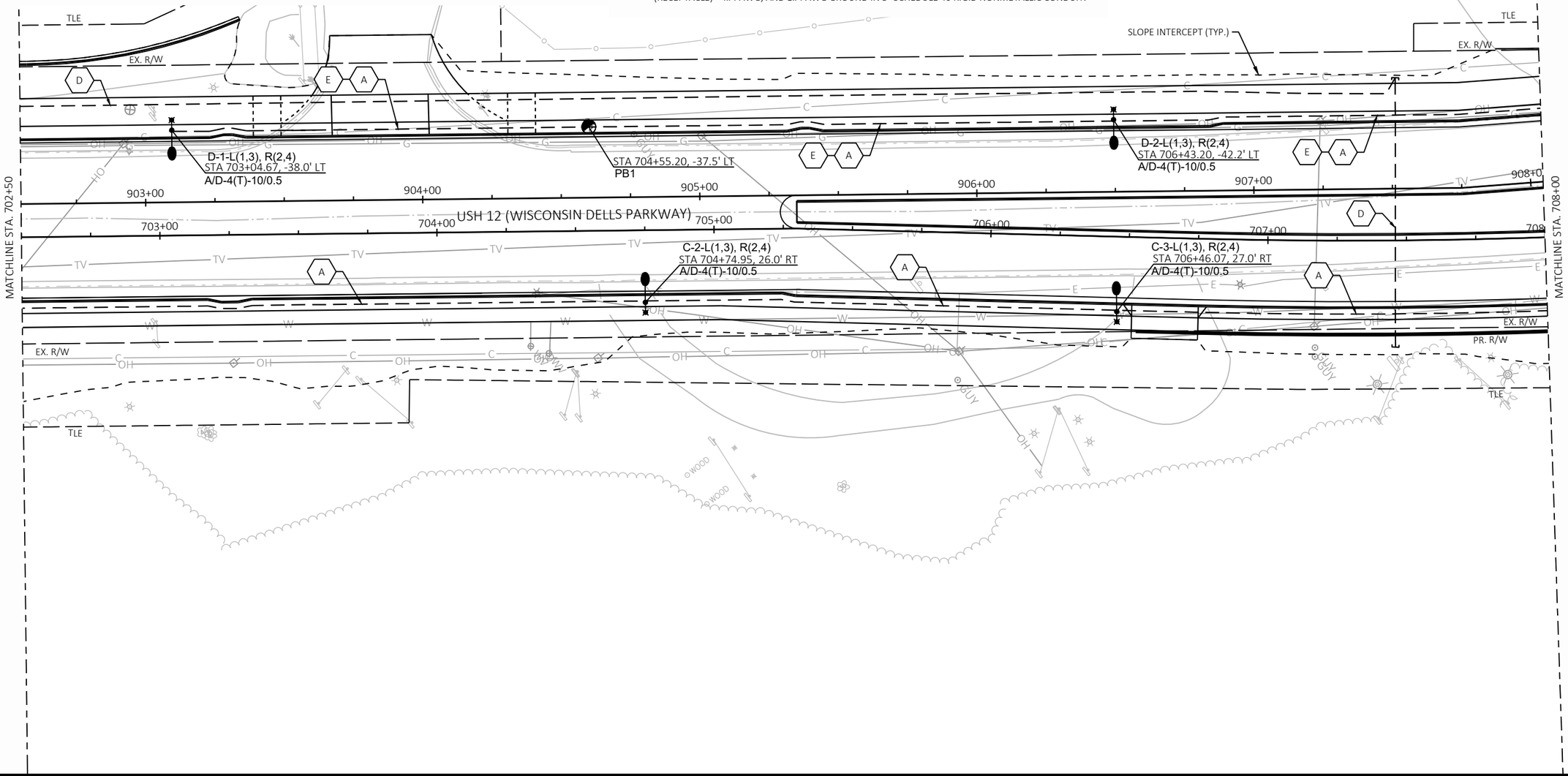
E. INSTALL PROPOSED 4" SCHEDULE 40 RIGID NONMETALLIC EMPTY CONDUIT PARALLEL TO 2" CONDUIT.

F. PROPOSED 2" SCHEDULE 40 RIGID NONMETALLIC EMPTY CONDUIT.

G. PROPOSED CONDUCTORS IN (2) 3" SCHEDULE 40 RIGID NONMETALLIC CONDUIT:
(LIGHTING) 4#4 AWG AND 1#4 AWG GROUND IN 3" SCHEDULE 40 RIGID NONMETALLIC CONDUIT.
(RECEPTACLE) - 4#4 AWG, AND 1#4 AWG GROUND IN 3" SCHEDULE 40 RIGID NONMETALLIC CONDUIT.

KEYED NOTES

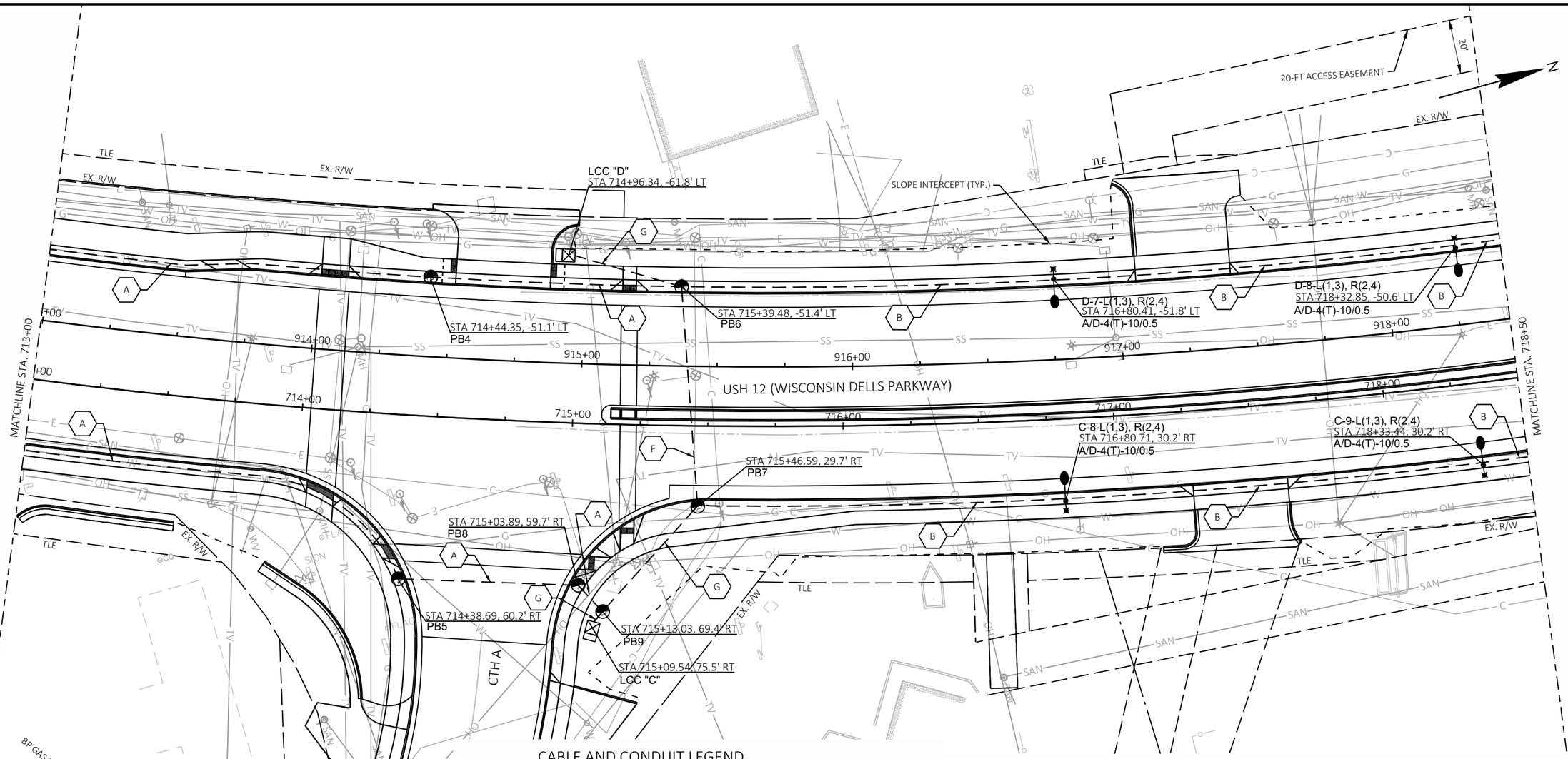
1. END OF 4" EMPTY CONDUIT RUN.
2. CONTRACTOR TO COORDINATE WITH CITY OF WISCONSIN DELLS - ELECTRIC WITH INSTALLATION OF 6" CONDUIT IN SAME TRENCH AS 4" CONDUIT INSTALLED BY CONTRACTOR."
3. EXISTING LIGHT POLE, LUMINAIRE, LUMINAIRE ARM, TRANSFORMER BASE TO BE REMOVED AND RELOCATED. CONTRACTOR SHALL REMOVE AND DISPOSE OF CONCRETE BASE. CONTRACTOR TO VERIFY CIRCUIT WIRING PRIOR TO DE-ENERGIZING.
4. EXISTING LIGHT POLE, LUMINAIRE, LUMINAIRE ARM, TRANSFORMER BASE (NEW LOCATION). CONTRACTOR SHALL INSTALL NEW TYPE 5 CONCRETE BASE.



PROJECT NO: 6145-01-74	HWY: USH 12	COUNTY: SAUK	LIGHTING PLAN	SHEET 361	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-74\023601_LP.DWG
LAYOUT NAME - 023602_lp
PLOT DATE : 1/27/2026 10:54 AM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:40 FT

2



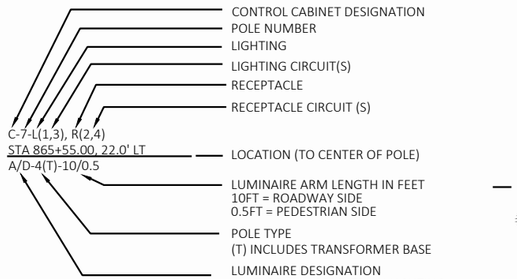
KEYED NOTES

1. END OF 4" EMPTY CONDUIT RUN.
2. CONTRACTOR TO COORDINATE WITH CITY OF WISCONSIN DELLS - ELECTRIC WITH INSTALLATION OF 6" CONDUIT IN SAME TRENCH AS 4" CONDUIT INSTALLED BY CONTRACTOR."
3. EXISTING LIGHT POLE, LUMINAIRE, LUMINAIRE ARM, TRANSFORMER BASE TO BE REMOVED AND RELOCATED. CONTRACTOR SHALL REMOVE AND DISPOSE OF CONCRETE BASE. CONTRACTOR TO VERIFY CIRCUIT WIRING PRIOR TO DE-ENERGIZING.
4. EXISTING LIGHT POLE, LUMINAIRE, LUMINAIRE ARM, TRANSFORMER BASE (NEW LOCATION). CONTRACTOR SHALL INSTALL NEW TYPE 5 CONCRETE BASE.

CABLE AND CONDUIT LEGEND

- A — PROPOSED CONDUCTORS IN 2" SCHEDULE 40 RIGID NONMETALLIC CONDUIT: (LIGHTING) 2#4 AWG , (RECEPTACLE) - 2#4 AWG, AND 1#4 AWG GROUND.
- B — PROPOSED CONDUCTORS IN 2" SCHEDULE 40 RIGID NONMETALLIC CONDUIT: (LIGHTING) 4#4 AWG , (RECEPTACLE) - 4#4 AWG, AND 1#4 AWG GROUND.
- C — PROPOSED CONDUCTORS IN (2) 3" SCHEDULE 40 RIGID NONMETALLIC CONDUIT: (LIGHTING) 8#4 AWG AND 1#4 AWG GROUND IN 3" SCHEDULE 40 RIGID NONMETALLIC CONDUIT. (RECEPTACLE) - 8#4 AWG, AND 1#4 AWG GROUND IN 3" SCHEDULE 40 RIGID NONMETALLIC CONDUIT.
- D — PROPOSED 4" SCHEDULE 40 RIGID NONMETALLIC EMPTY CONDUIT.
- E — INSTALL PROPOSED 4" SCHEDULE 40 RIGID NONMETALLIC EMPTY CONDUIT PARALLEL TO 2" CONDUIT.
- F — PROPOSED 2" SCHEDULE 40 RIGID NONMETALLIC EMPTY CONDUIT.
- G — PROPOSED CONDUCTORS IN (2) 3" SCHEDULE 40 RIGID NONMETALLIC CONDUIT: (LIGHTING) 4#4 AWG AND 1#4 AWG GROUND IN 3" SCHEDULE 40 RIGID NONMETALLIC CONDUIT. (RECEPTACLE) - 4#4 AWG, AND 1#4 AWG GROUND IN 3" SCHEDULE 40 RIGID NONMETALLIC CONDUIT.

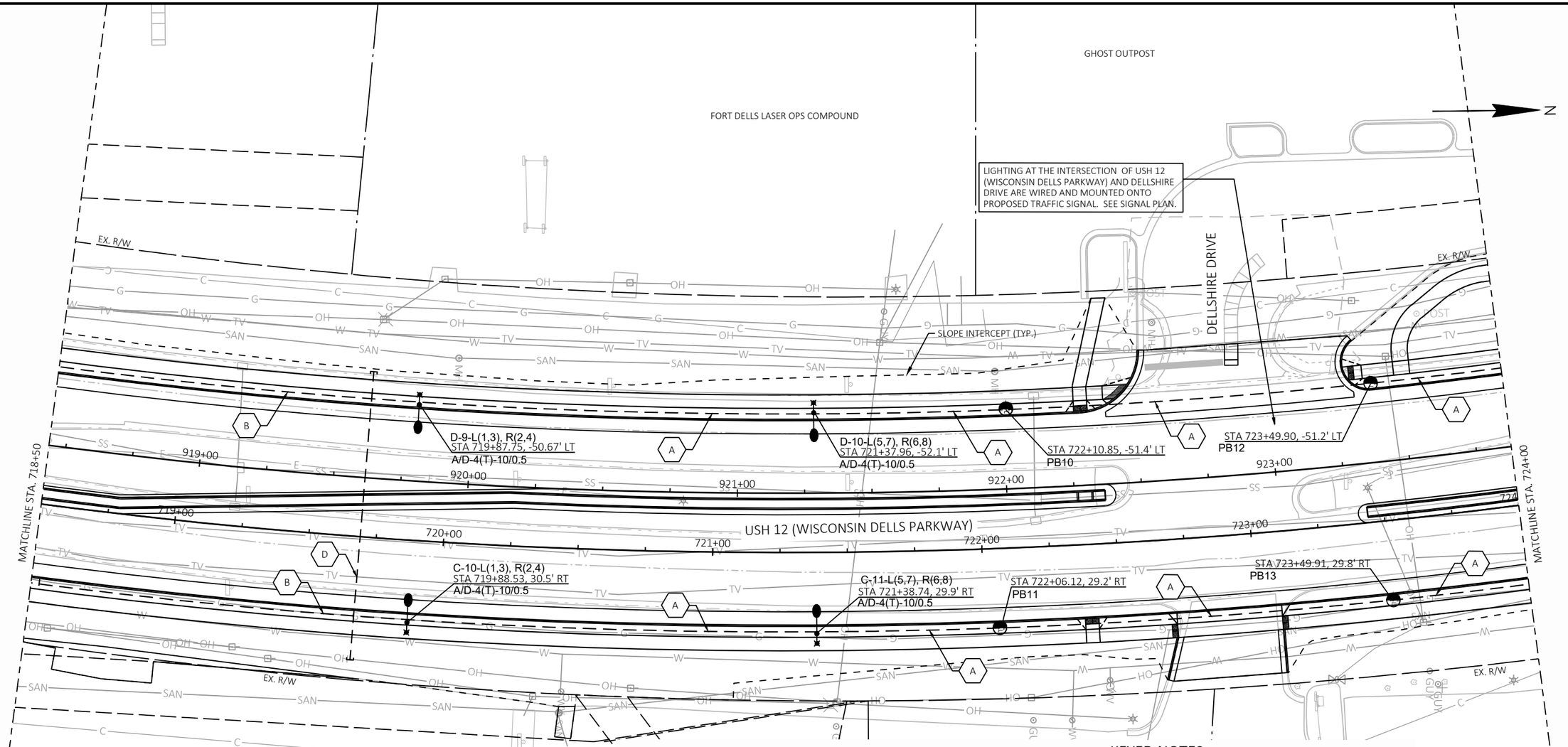
LIGHTING LEGEND



- ROADWAY LIGHTING (TYPE "D")
- PEDESTRIAN LIGHTING - MOUNTED 15-FT ABOVE GROUND LEVEL (TYPE "A")
- SIGNAL AND HAWK SYSTEM LIGHTING (FOR INFORMATION ONLY)
- LIGHTING CONTROL CABINET AND ELECTRICAL SERVICE METER BREAKER PEDESTAL ON CONCRETE CONTROL CABINET BASE
- CONDUIT (SEE CABLE AND CONDUIT LEGEND)
- PULL BOX, 24" X 36"

PROJECT NO: 6145-01-74	HWY: USH 12	COUNTY: SAUK	LIGHTING PLAN	SHEET 362	E

2



LIGHTING LEGEND

C-7-L(1,3), R(2,4)
STA 865+55.00, 22.0' LT
A/D-4(T)-10/0.5

- CONTROL CABINET DESIGNATION
- POLE NUMBER
- LIGHTING
- LIGHTING CIRCUIT(S)
- RECEPTACLE
- RECEPTACLE CIRCUIT (S)
- LOCATION (TO CENTER OF POLE)
- LUMINAIRE ARM LENGTH IN FEET
  10FT = ROADWAY SIDE
  0.5FT = PEDESTRIAN SIDE
- POLE TYPE
  (T) INCLUDES TRANSFORMER BASE
- LUMINAIRE DESIGNATION
  A = TYPE "A" - PEDESTRIAN LIGHTING
  D = TYPE "D" - ROADWAY LIGHTING
  (SEE LIGHT SYMBOL FOR TYPE IDENTIFICATION)

- ROADWAY LIGHTING (TYPE "D")
- PEDESTRIAN LIGHTING - MOUNTED 15-FT ABOVE GROUND LEVEL (TYPE "A")
- SIGNAL AND HAWK SYSTEM LIGHTING (FOR INFORMATION ONLY)
- LIGHTING CONTROL CABINET AND ELECTRICAL SERVICE METER BREAKER PEDESTAL ON CONCRETE CONTROL CABINET BASE
- CONDUIT (SEE CABLE AND CONDUIT LEGEND)
- PULL BOX, 24" X 36"

CABLE AND CONDUIT LEGEND

A. PROPOSED CONDUCTORS IN 2" SCHEDULE 40 RIGID NONMETALLIC CONDUIT:
(LIGHTING) 2#4 AWG , (RECEPTACLE) - 2#4 AWG, AND 1#4 AWG GROUND.

B. PROPOSED CONDUCTORS IN 2" SCHEDULE 40 RIGID NONMETALLIC CONDUIT:
(LIGHTING) 4#4 AWG , (RECEPTACLE) - 4#4 AWG, AND 1#4 AWG GROUND.

C. PROPOSED CONDUCTORS IN (2) 3" SCHEDULE 40 RIGID NONMETALLIC CONDUIT:
(LIGHTING) 8#4 AWG AND 1#4 AWG GROUND IN 3" SCHEDULE 40 RIGID NONMETALLIC CONDUIT.
(RECEPTACLE) - 8#4 AWG, AND 1#4 AWG GROUND IN 3" SCHEDULE 40 RIGID NONMETALLIC CONDUIT.

D. PROPOSED 4" SCHEDULE 40 RIGID NONMETALLIC EMPTY CONDUIT.

E. INSTALL PROPOSED 4" SCHEDULE 40 RIGID NONMETALLIC EMPTY CONDUIT PARALLEL TO 2" CONDUIT.

F. PROPOSED 2" SCHEDULE 40 RIGID NONMETALLIC EMPTY CONDUIT.

G. PROPOSED CONDUCTORS IN (2) 3" SCHEDULE 40 RIGID NONMETALLIC CONDUIT:
(LIGHTING) 4#4 AWG AND 1#4 AWG GROUND IN 3" SCHEDULE 40 RIGID NONMETALLIC CONDUIT.
(RECEPTACLE) - 4#4 AWG, AND 1#4 AWG GROUND IN 3" SCHEDULE 40 RIGID NONMETALLIC CONDUIT.

KEYED NOTES

1. END OF 4" EMPTY CONDUIT RUN.
2. CONTRACTOR TO COORDINATE WITH CITY OF WISCONSIN DELLS - ELECTRIC WITH INSTALLATION OF 6" CONDUIT IN SAME TRENCH AS 4" CONDUIT INSTALLED BY CONTRACTOR."
3. EXISTING LIGHT POLE, LUMINAIRE, LUMINAIRE ARM, TRANSFORMER BASE TO BE REMOVED AND RELOCATED. CONTRACTOR SHALL REMOVE AND DISPOSE OF CONCRETE BASE. CONTRACTOR TO VERIFY CIRCUIT WIRING PRIOR TO DE-ENERGIZING.
4. EXISTING LIGHT POLE, LUMINAIRE, LUMINAIRE ARM, TRANSFORMER BASE (NEW LOCATION). CONTRACTOR SHALL INSTALL NEW TYPE 5 CONCRETE BASE.

LIGHTING LEGEND

- CONTROL CABINET DESIGNATION
- POLE NUMBER
- LIGHTING
- LIGHTING CIRCUIT(S)
- RECEPTACLE
- RECEPTACLE CIRCUIT (S)

C-7-L(1,3), R(2,4)
STA 865+55.00, 22.0' LT
A/D-4(T)-10/0.5

- LOCATION (TO CENTER OF POLE)
- LUMINAIRE ARM LENGTH IN FEET
  10FT = ROADWAY SIDE
  0.5FT = PEDESTRIAN SIDE
- POLE TYPE
  (T) INCLUDES TRANSFORMER BASE
- LUMINAIRE DESIGNATION
  A = TYPE "A" - PEDESTRIAN LIGHTING
  D = TYPE "D" - ROADWAY LIGHTING
  (SEE LIGHT SYMBOL FOR TYPE IDENTIFICATION)

- ROADWAY LIGHTING (TYPE "D")
- PEDESTRIAN LIGHTING - MOUNTED 15-FT ABOVE GROUND LEVEL (TYPE "A")
- SIGNAL AND HAWK SYSTEM LIGHTING (FOR INFORMATION ONLY)
- LIGHTING CONTROL CABINET AND ELECTRICAL SERVICE METER BREAKER PEDESTAL ON CONCRETE CONTROL CABINET BASE
- CONDUIT (SEE CABLE AND CONDUIT LEGEND)
- PULL BOX, 24" X 36"

CABLE AND CONDUIT LEGEND

A. PROPOSED CONDUCTORS IN 2" SCHEDULE 40 RIGID NONMETALLIC CONDUIT:
(LIGHTING) 2#4 AWG , (RECEPTACLE) - 2#4 AWG, AND 1#4 AWG GROUND.

B. PROPOSED CONDUCTORS IN 2" SCHEDULE 40 RIGID NONMETALLIC CONDUIT:
(LIGHTING) 4#4 AWG , (RECEPTACLE) - 4#4 AWG, AND 1#4 AWG GROUND.

C. PROPOSED CONDUCTORS IN (2) 3" SCHEDULE 40 RIGID NONMETALLIC CONDUIT:
(LIGHTING) 8#4 AWG AND 1#4 AWG GROUND IN 3" SCHEDULE 40 RIGID NONMETALLIC CONDUIT.
(RECEPTACLE) - 8#4 AWG, AND 1#4 AWG GROUND IN 3" SCHEDULE 40 RIGID NONMETALLIC CONDUIT.

D. PROPOSED 4" SCHEDULE 40 RIGID NONMETALLIC EMPTY CONDUIT.

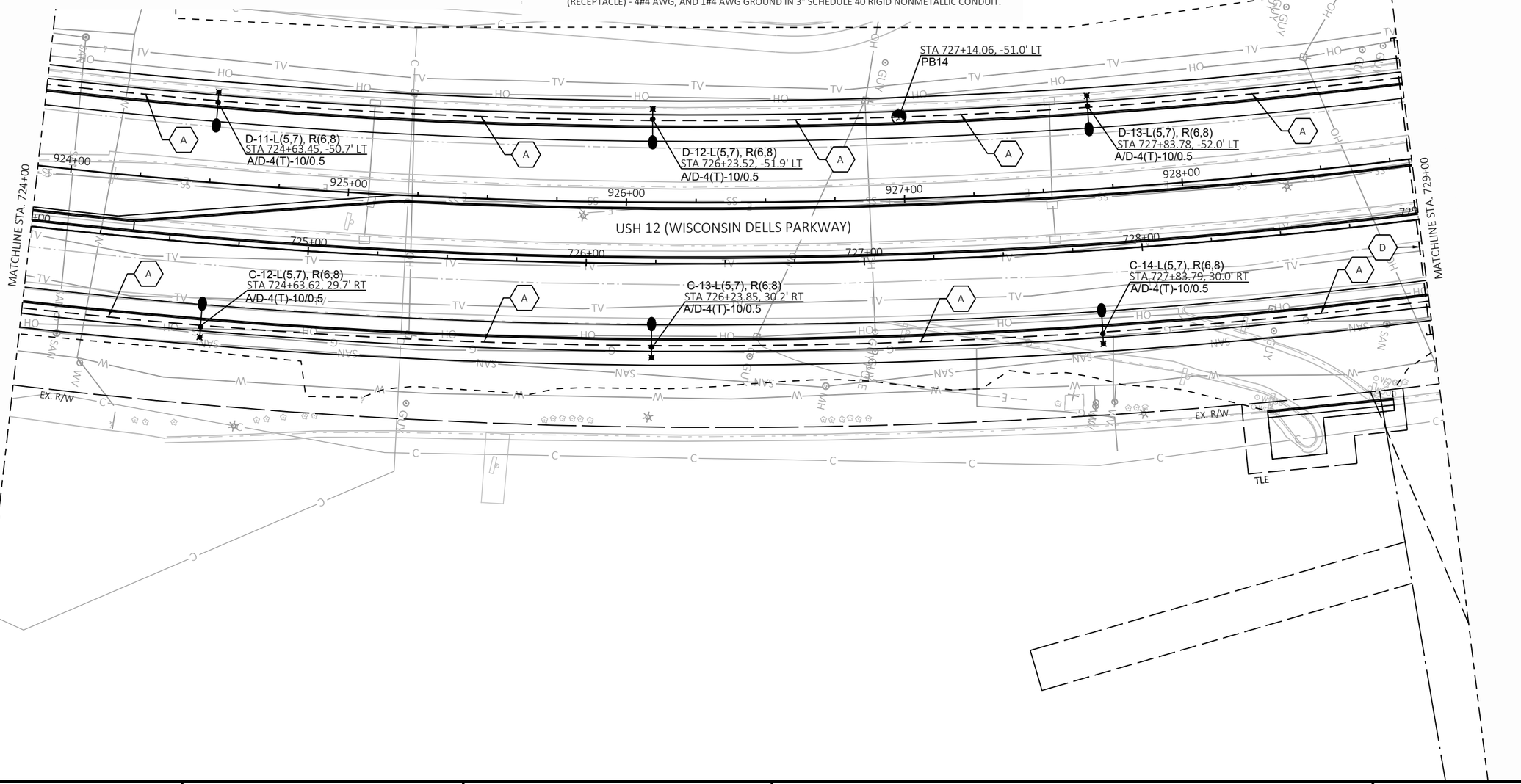
E. INSTALL PROPOSED 4" SCHEDULE 40 RIGID NONMETALLIC EMPTY CONDUIT PARALLEL TO 2" CONDUIT.

F. PROPOSED 2" SCHEDULE 40 RIGID NONMETALLIC EMPTY CONDUIT.

G. PROPOSED CONDUCTORS IN (2) 3" SCHEDULE 40 RIGID NONMETALLIC CONDUIT:
(LIGHTING) 4#4 AWG AND 1#4 AWG GROUND IN 3" SCHEDULE 40 RIGID NONMETALLIC CONDUIT.
(RECEPTACLE) - 4#4 AWG, AND 1#4 AWG GROUND IN 3" SCHEDULE 40 RIGID NONMETALLIC CONDUIT.

KEYED NOTES

1. END OF 4" EMPTY CONDUIT RUN.
2. CONTRACTOR TO COORDINATE WITH CITY OF WISCONSIN DELLS - ELECTRIC WITH INSTALLATION OF 6" CONDUIT IN SAME TRENCH AS 4" CONDUIT INSTALLED BY CONTRACTOR."
3. EXISTING LIGHT POLE, LUMINAIRE, LUMINAIRE ARM, TRANSFORMER BASE TO BE REMOVED AND RELOCATED. CONTRACTOR SHALL REMOVE AND DISPOSE OF CONCRETE BASE. CONTRACTOR TO VERIFY CIRCUIT WIRING PRIOR TO DE-ENERGIZING.
4. EXISTING LIGHT POLE, LUMINAIRE, LUMINAIRE ARM, TRANSFORMER BASE (NEW LOCATION). CONTRACTOR SHALL INSTALL NEW TYPE 5 CONCRETE BASE.



PROJECT NO: 6145-01-74	HWY: USH 12	COUNTY: SAUK	LIGHTING PLAN	SHEET 364	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-74\023601_LP.DWG
LAYOUT NAME - 023607_lp
PLOT DATE : 1/27/2026 10:54 AM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:40 FT

LIGHTING LEGEND

C-7-L(1,3), R(2,4)
STA 865+55.00, 22.0' LT
A/D-4(T)-10/0.5

- CONTROL CABINET DESIGNATION
- POLE NUMBER
- LIGHTING
- LIGHTING CIRCUIT(S)
- RECEPTACLE
- RECEPTACLE CIRCUIT (S)
- LOCATION (TO CENTER OF POLE)
- LUMINAIRE ARM LENGTH IN FEET
  10FT = ROADWAY SIDE
  0.5FT = PEDESTRIAN SIDE
- POLE TYPE
  (T) INCLUDES TRANSFORMER BASE
- LUMINAIRE DESIGNATION
  A = TYPE "A" - PEDESTRIAN LIGHTING
  D = TYPE "D" - ROADWAY LIGHTING
  (SEE LIGHT SYMBOL FOR TYPE IDENTIFICATION)

- ROADWAY LIGHTING (TYPE "D")
- PEDESTRIAN LIGHTING - MOUNTED 15-FT ABOVE GROUND LEVEL (TYPE "A")
- SIGNAL AND HAWK SYSTEM LIGHTING (FOR INFORMATION ONLY)
- LIGHTING CONTROL CABINET AND ELECTRICAL SERVICE METER BREAKER PEDESTAL ON CONCRETE CONTROL CABINET BASE
- CONDUIT (SEE CABLE AND CONDUIT LEGEND)
- PULL BOX, 24" X 36"

CABLE AND CONDUIT LEGEND

A. PROPOSED CONDUCTORS IN 2" SCHEDULE 40 RIGID NONMETALLIC CONDUIT:
(LIGHTING) 2#4 AWG , (RECEPTACLE) - 2#4 AWG, AND 1#4 AWG GROUND.

B. PROPOSED CONDUCTORS IN 2" SCHEDULE 40 RIGID NONMETALLIC CONDUIT:
(LIGHTING) 4#4 AWG , (RECEPTACLE) - 4#4 AWG, AND 1#4 AWG GROUND.

C. PROPOSED CONDUCTORS IN (2) 3" SCHEDULE 40 RIGID NONMETALLIC CONDUIT:
(LIGHTING) 8#4 AWG AND 1#4 AWG GROUND IN 3" SCHEDULE 40 RIGID NONMETALLIC CONDUIT.
(RECEPTACLE) - 8#4 AWG, AND 1#4 AWG GROUND IN 3" SCHEDULE 40 RIGID NONMETALLIC CONDUIT.

D. PROPOSED 4" SCHEDULE 40 RIGID NONMETALLIC EMPTY CONDUIT.

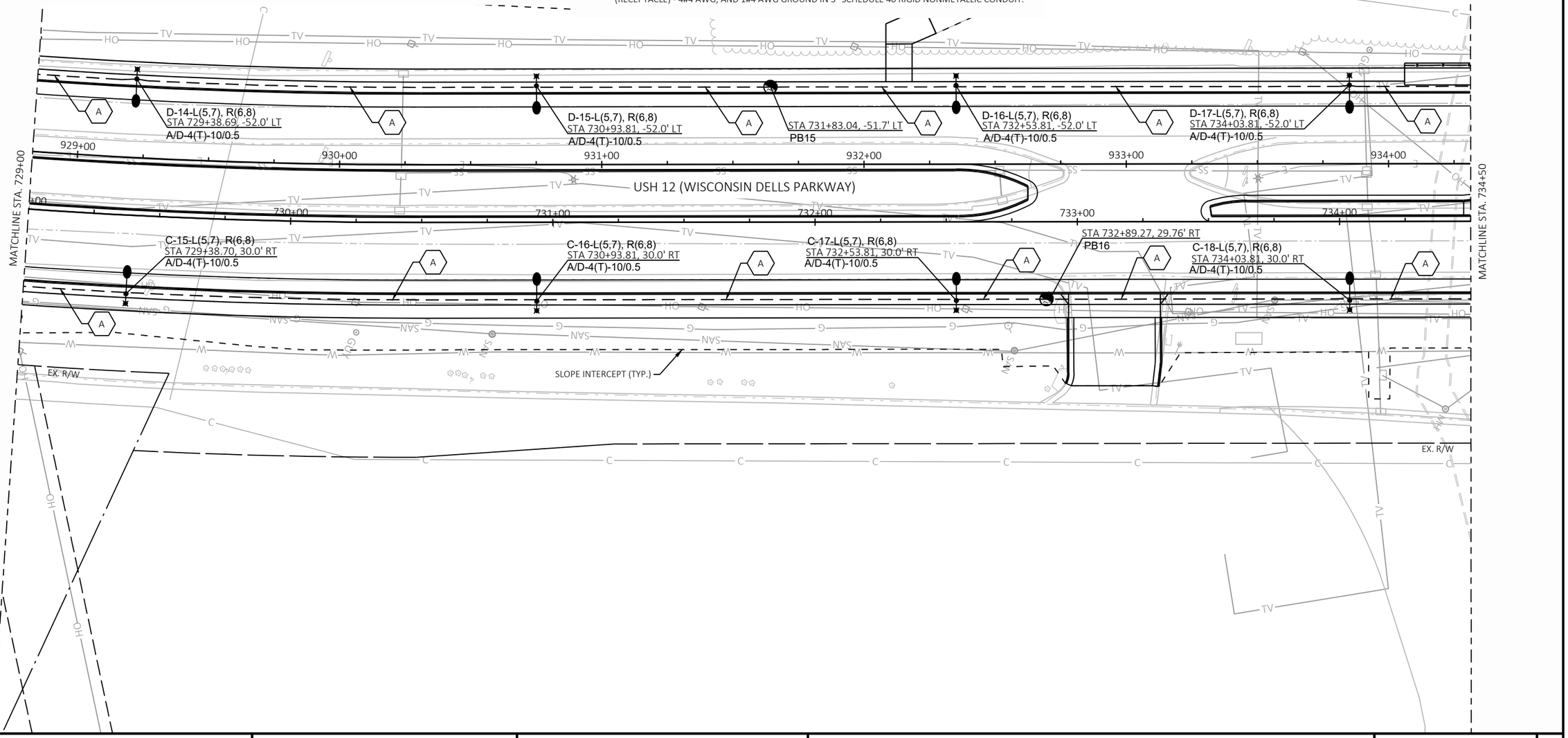
E. INSTALL PROPOSED 4" SCHEDULE 40 RIGID NONMETALLIC EMPTY CONDUIT PARALLEL TO 2" CONDUIT.

F. PROPOSED 2" SCHEDULE 40 RIGID NONMETALLIC EMPTY CONDUIT.

G. PROPOSED CONDUCTORS IN (2) 3" SCHEDULE 40 RIGID NONMETALLIC CONDUIT:
(LIGHTING) 4#4 AWG AND 1#4 AWG GROUND IN 3" SCHEDULE 40 RIGID NONMETALLIC CONDUIT.
(RECEPTACLE) - 4#4 AWG, AND 1#4 AWG GROUND IN 3" SCHEDULE 40 RIGID NONMETALLIC CONDUIT.

KEYED NOTES

1. END OF 4" EMPTY CONDUIT RUN.
2. CONTRACTOR TO COORDINATE WITH CITY OF WISCONSIN DELLS - ELECTRIC WITH INSTALLATION OF 6" CONDUIT IN SAME TRENCH AS 4" CONDUIT INSTALLED BY CONTRACTOR."
3. EXISTING LIGHT POLE, LUMINAIRE, LUMINAIRE ARM, TRANSFORMER BASE TO BE REMOVED AND RELOCATED. CONTRACTOR SHALL REMOVE AND DISPOSE OF CONCRETE BASE. CONTRACTOR TO VERIFY CIRCUIT WIRING PRIOR TO DE-ENERGIZING.
4. EXISTING LIGHT POLE, LUMINAIRE, LUMINAIRE ARM, TRANSFORMER BASE (NEW LOCATION). CONTRACTOR SHALL INSTALL NEW TYPE 5 CONCRETE BASE.



PROJECT NO: 6145-01-74	HWY: USH 12	COUNTY: SAUK	LIGHTING PLAN	SHEET 365	E

LIGHTING LEGEND

C-7-L(1,3), R(2,4)
STA 865+55.00, 22.0' LT
A/D-4(T)-10/0.5

- CONTROL CABINET DESIGNATION
- POLE NUMBER
- LIGHTING
- LIGHTING CIRCUIT(S)
- RECEPTACLE
- RECEPTACLE CIRCUIT (S)
- LOCATION (TO CENTER OF POLE)
- LUMINAIRE ARM LENGTH IN FEET
  10FT = ROADWAY SIDE
  0.5FT = PEDESTRIAN SIDE
- POLE TYPE
  (T) INCLUDES TRANSFORMER BASE
- LUMINAIRE DESIGNATION
  A = TYPE "A" - PEDESTRIAN LIGHTING
  D = TYPE "D" - ROADWAY LIGHTING
  (SEE LIGHT SYMBOL FOR TYPE IDENTIFICATION)

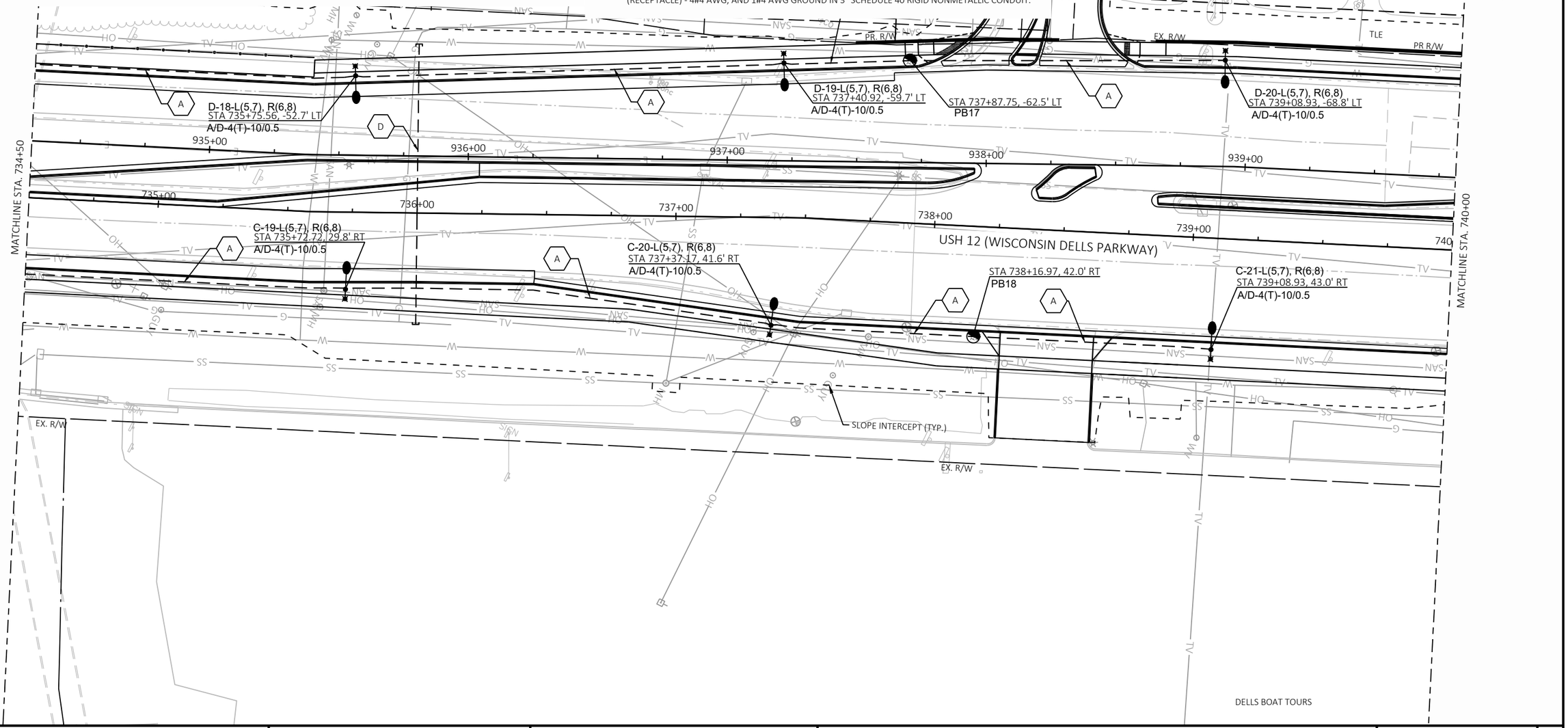
- ROADWAY LIGHTING (TYPE "D")
- PEDESTRIAN LIGHTING - MOUNTED 15-FT ABOVE GROUND LEVEL (TYPE "A")
- SIGNAL AND HAWK SYSTEM LIGHTING (FOR INFORMATION ONLY)
- LIGHTING CONTROL CABINET AND ELECTRICAL SERVICE METER BREAKER PEDESTAL ON CONCRETE CONTROL CABINET BASE
- CONDUIT (SEE CABLE AND CONDUIT LEGEND)
- PULL BOX, 24" X 36"

CABLE AND CONDUIT LEGEND

- A — PROPOSED CONDUCTORS IN 2" SCHEDULE 40 RIGID NONMETALLIC CONDUIT:
  (LIGHTING) 2#4 AWG , (RECEPTACLE) - 2#4 AWG, AND 1#4 AWG GROUND.
- B — PROPOSED CONDUCTORS IN 2" SCHEDULE 40 RIGID NONMETALLIC CONDUIT:
  (LIGHTING) 4#4 AWG , (RECEPTACLE) - 4#4 AWG, AND 1#4 AWG GROUND.
- C — PROPOSED CONDUCTORS IN (2) 3" SCHEDULE 40 RIGID NONMETALLIC CONDUIT:
  (LIGHTING) 8#4 AWG AND 1#4 AWG GROUND IN 3" SCHEDULE 40 RIGID NONMETALLIC CONDUIT.
  (RECEPTACLE) - 8#4 AWG, AND 1#4 AWG GROUND IN 3" SCHEDULE 40 RIGID NONMETALLIC CONDUIT.
- D — PROPOSED 4" SCHEDULE 40 RIGID NONMETALLIC EMPTY CONDUIT.
- E — INSTALL PROPOSED 4" SCHEDULE 40 RIGID NONMETALLIC EMPTY CONDUIT PARALLEL TO 2" CONDUIT.
- F — PROPOSED 2" SCHEDULE 40 RIGID NONMETALLIC EMPTY CONDUIT.
- G — PROPOSED CONDUCTORS IN (2) 3" SCHEDULE 40 RIGID NONMETALLIC CONDUIT:
  (LIGHTING) 4#4 AWG AND 1#4 AWG GROUND IN 3" SCHEDULE 40 RIGID NONMETALLIC CONDUIT.
  (RECEPTACLE) - 4#4 AWG, AND 1#4 AWG GROUND IN 3" SCHEDULE 40 RIGID NONMETALLIC CONDUIT.

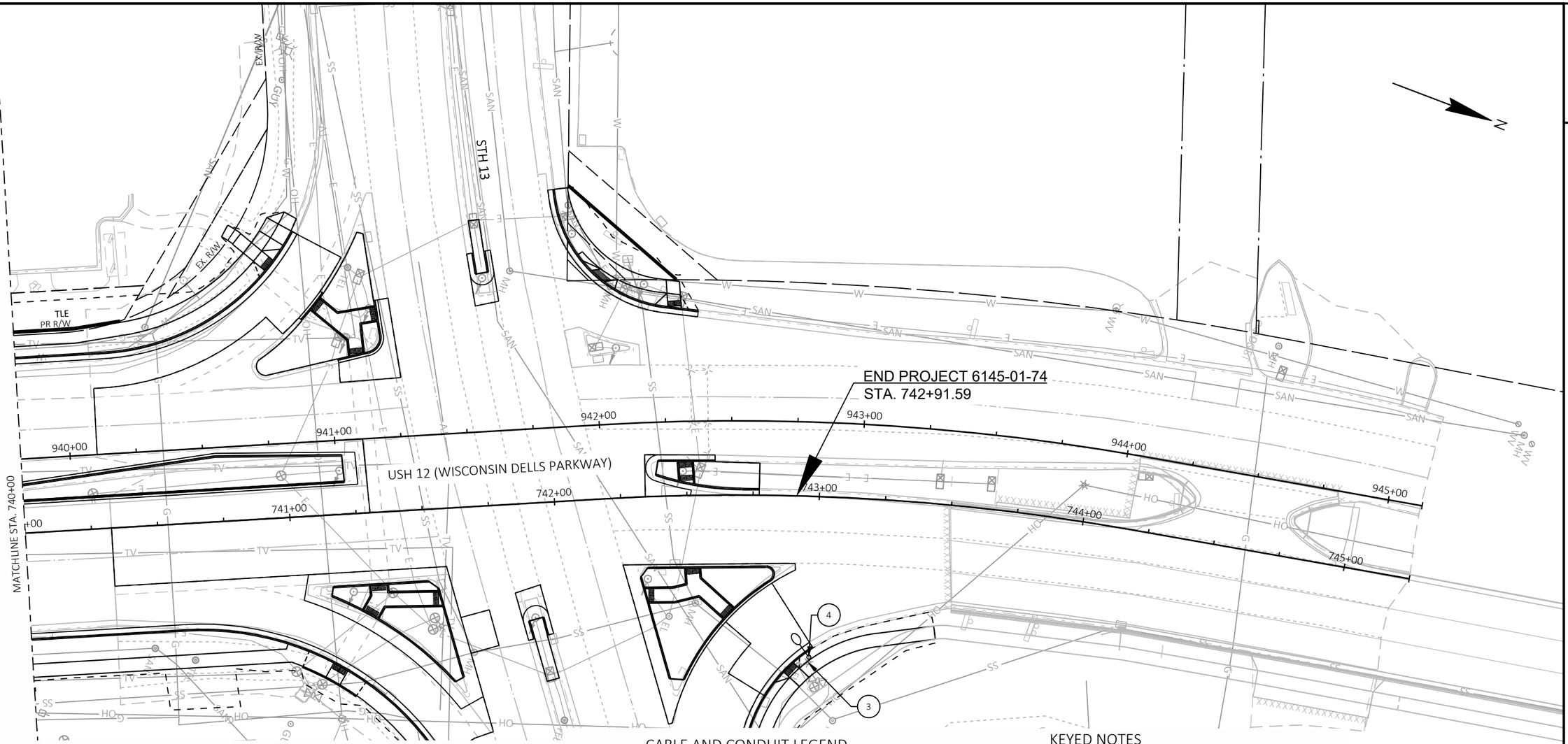
KEYED NOTES

1. END OF 4" EMPTY CONDUIT RUN.
2. CONTRACTOR TO COORDINATE WITH CITY OF WISCONSIN DELLS - ELECTRIC WITH INSTALLATION OF 6" CONDUIT IN SAME TRENCH AS 4" CONDUIT INSTALLED BY CONTRACTOR."
3. EXISTING LIGHT POLE, LUMINAIRE, LUMINAIRE ARM, TRANSFORMER BASE TO BE REMOVED AND RELOCATED. CONTRACTOR SHALL REMOVE AND DISPOSE OF CONCRETE BASE. CONTRACTOR TO VERIFY CIRCUIT WIRING PRIOR TO DE-ENERGIZING.
4. EXISTING LIGHT POLE, LUMINAIRE, LUMINAIRE ARM, TRANSFORMER BASE (NEW LOCATION). CONTRACTOR SHALL INSTALL NEW TYPE 5 CONCRETE BASE.



PROJECT NO: 6145-01-74	HWY: USH 12	COUNTY: SAUK	LIGHTING PLAN	SHEET 366	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-74\023601_LP.DWG
LAYOUT NAME - 023609_lp
PLOT DATE : 1/27/2026 10:55 AM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:40 FT



LIGHTING LEGEND

C-7-L(1,3), R(2,4)
STA 865+55.00, 22.0' LT
A/D-4(T)-10/0.5

- CONTROL CABINET DESIGNATION
- POLE NUMBER
- LIGHTING
- LIGHTING CIRCUIT(S)
- RECEPTACLE
- RECEPTACLE CIRCUIT (S)
- LOCATION (TO CENTER OF POLE)
- LUMINAIRE ARM LENGTH IN FEET
  10FT = ROADWAY SIDE
  0.5FT = PEDESTRIAN SIDE
- POLE TYPE
  (T) INCLUDES TRANSFORMER BASE
- LUMINAIRE DESIGNATION
  A = TYPE "A" - PEDESTRIAN LIGHTING
  D = TYPE "D" - ROADWAY LIGHTING
  (SEE LIGHT SYMBOL FOR TYPE IDENTIFICATION)

- ROADWAY LIGHTING (TYPE "D")
- PEDESTRIAN LIGHTING - MOUNTED 15-FT ABOVE GROUND LEVEL (TYPE "A")
- SIGNAL AND HAWK SYSTEM LIGHTING (FOR INFORMATION ONLY)
- LIGHTING CONTROL CABINET AND ELECTRICAL SERVICE METER BREAKER PEDESTAL ON CONCRETE CONTROL CABINET BASE
- CONDUIT (SEE CABLE AND CONDUIT LEGEND)
- PULL BOX, 24" X 36"

CABLE AND CONDUIT LEGEND

A. PROPOSED CONDUCTORS IN 2" SCHEDULE 40 RIGID NONMETALLIC CONDUIT:
(LIGHTING) 2#4 AWG , (RECEPTACLE) - 2#4 AWG, AND 1#4 AWG GROUND.

B. PROPOSED CONDUCTORS IN 2" SCHEDULE 40 RIGID NONMETALLIC CONDUIT:
(LIGHTING) 4#4 AWG , (RECEPTACLE) - 4#4 AWG, AND 1#4 AWG GROUND.

C. PROPOSED CONDUCTORS IN (2) 3" SCHEDULE 40 RIGID NONMETALLIC CONDUIT:
(LIGHTING) 8#4 AWG AND 1#4 AWG GROUND IN 3" SCHEDULE 40 RIGID NONMETALLIC CONDUIT.
(RECEPTACLE) - 8#4 AWG, AND 1#4 AWG GROUND IN 3" SCHEDULE 40 RIGID NONMETALLIC CONDUIT.

D. PROPOSED 4" SCHEDULE 40 RIGID NONMETALLIC EMPTY CONDUIT.

E. INSTALL PROPOSED 4" SCHEDULE 40 RIGID NONMETALLIC EMPTY CONDUIT PARALLEL TO 2" CONDUIT.

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(RECEPTACLE) - 4#4 AWG, AND 1#4 AWG GROUND IN 3" SCHEDULE 40 RIGID NONMETALLIC CONDUIT.

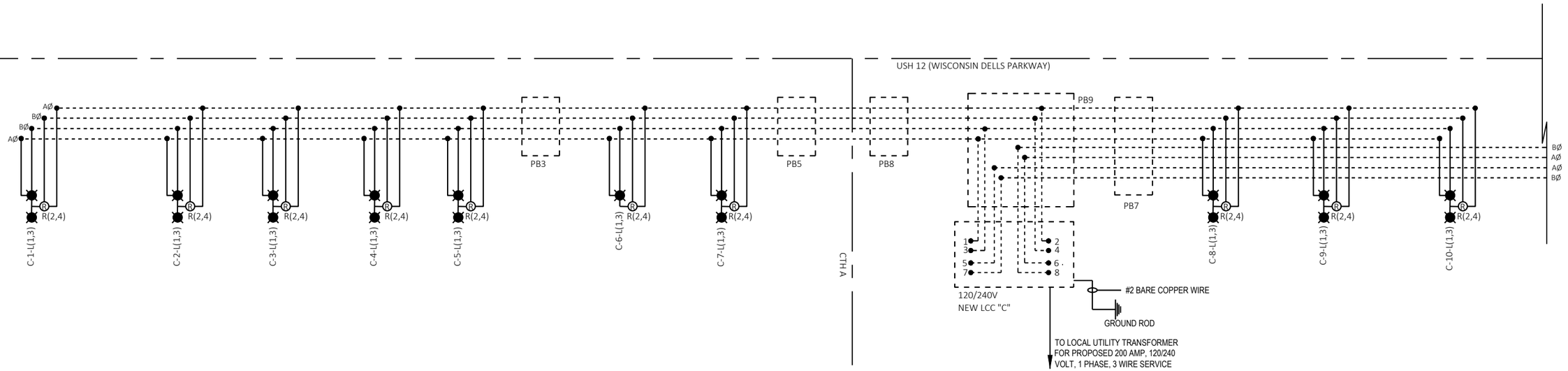
KEYED NOTES

1. END OF 4" EMPTY CONDUIT RUN.
2. CONTRACTOR TO COORDINATE WITH CITY OF WISCONSIN DELLS - ELECTRIC WITH INSTALLATION OF 6" CONDUIT IN SAME TRENCH AS 4" CONDUIT INSTALLED BY CONTRACTOR."
3. EXISTING LIGHT POLE, LUMINAIRE, LUMINAIRE ARM, TRANSFORMER BASE TO BE REMOVED AND RELOCATED. CONTRACTOR SHALL REMOVE AND DISPOSE OF CONCRETE BASE. CONTRACTOR TO VERIFY CIRCUIT WIRING PRIOR TO DE-ENERGIZING.
4. EXISTING LIGHT POLE, LUMINAIRE, LUMINAIRE ARM, TRANSFORMER BASE (NEW LOCATION). CONTRACTOR SHALL INSTALL NEW TYPE 5 CONCRETE BASE.

PROJECT NO: 6145-01-74	HWY: USH 12	COUNTY: SAUK	LIGHTING PLAN	SHEET 367	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-74\023601_LP.DWG
LAYOUT NAME - 023610_lp
PLOT DATE : 1/27/2026 10:55 AM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2



CIRCUITING DIAGRAM - CABINET "C" (120/240V)

NTS

GENERAL NOTE

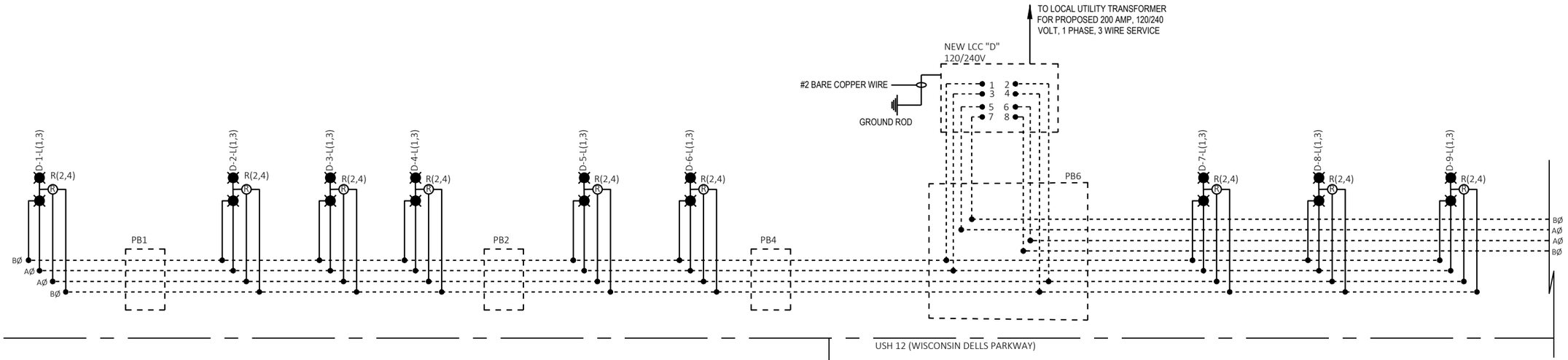
1. GROUNDING CONDUCTOR NOT SHOWN, BUT REQUIRED.

LIGHTING LEGEND

- LED LUMINAIRE
- POLE RECEPTACLE
- SPLICE

PROJECT NO: 6145-01-74	HWY: USH 12	COUNTY: SAUK	CIRCUITING DIAGRAM	SHEET 368	E

2



CIRCUITING DIAGRAM - CABINET "D" (120/240V)

NTS

GENERAL NOTE

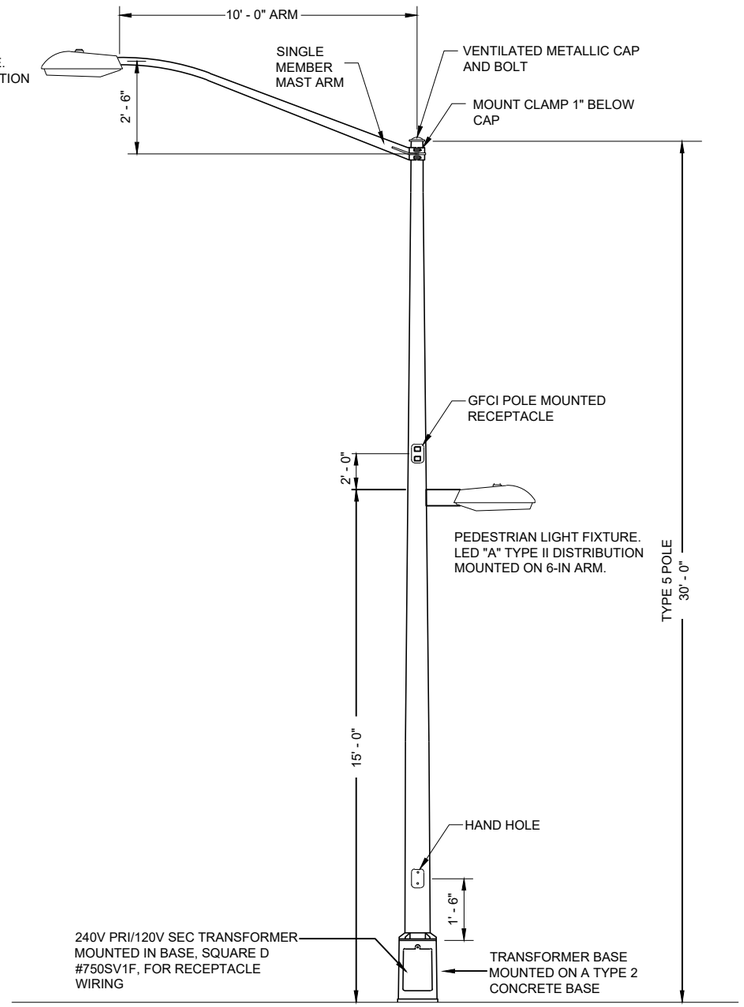
1. GROUNDING CONDUCTOR NOT SHOWN, BUT REQUIRED.

LIGHTING LEGEND

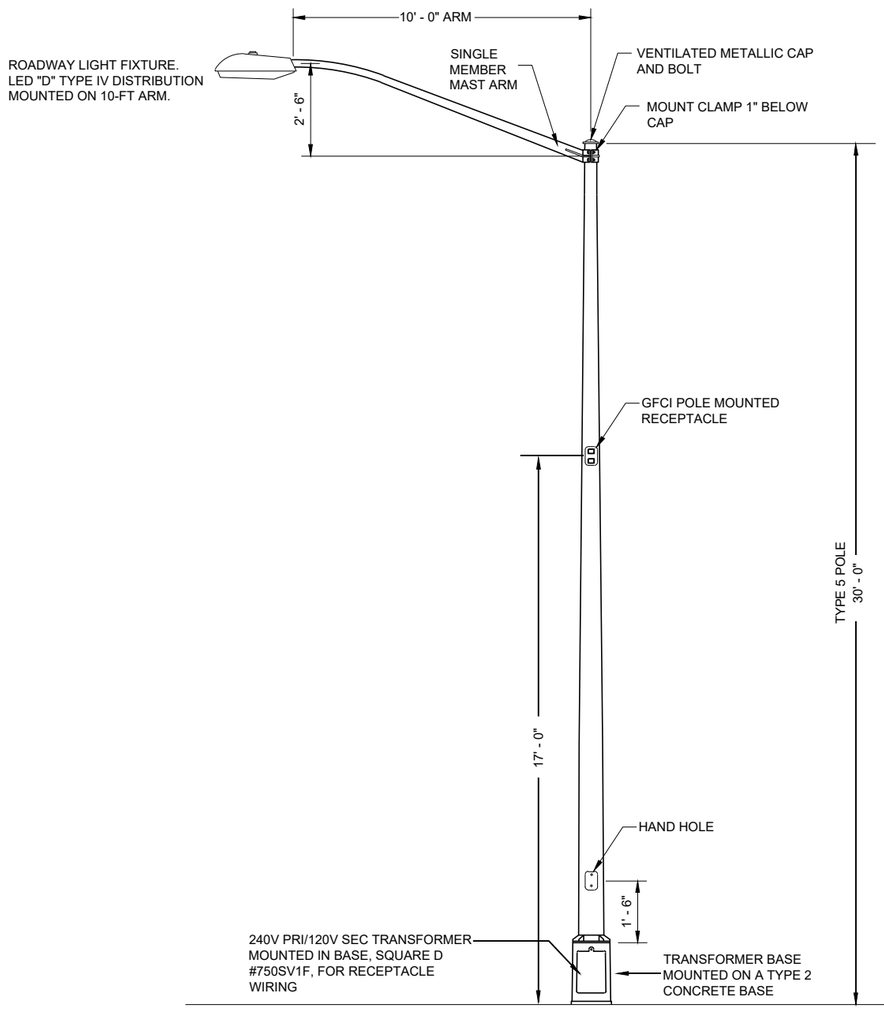
- LED LUMINAIRE
- Ⓡ POLE RECEPTACLE
- SPLICE

PROJECT NO: 6145-01-74	HWY: USH 12	COUNTY: SAUK	CIRCUITING DIAGRAM	SHEET 369	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-74\023602_LP_CIRCUITING DIAGRAM-LCC-C&D.DWG PLOT DATE : 6/26/2025 12:32 PM PLOT BY : CHAPMAN, JULIE PLOT NAME :

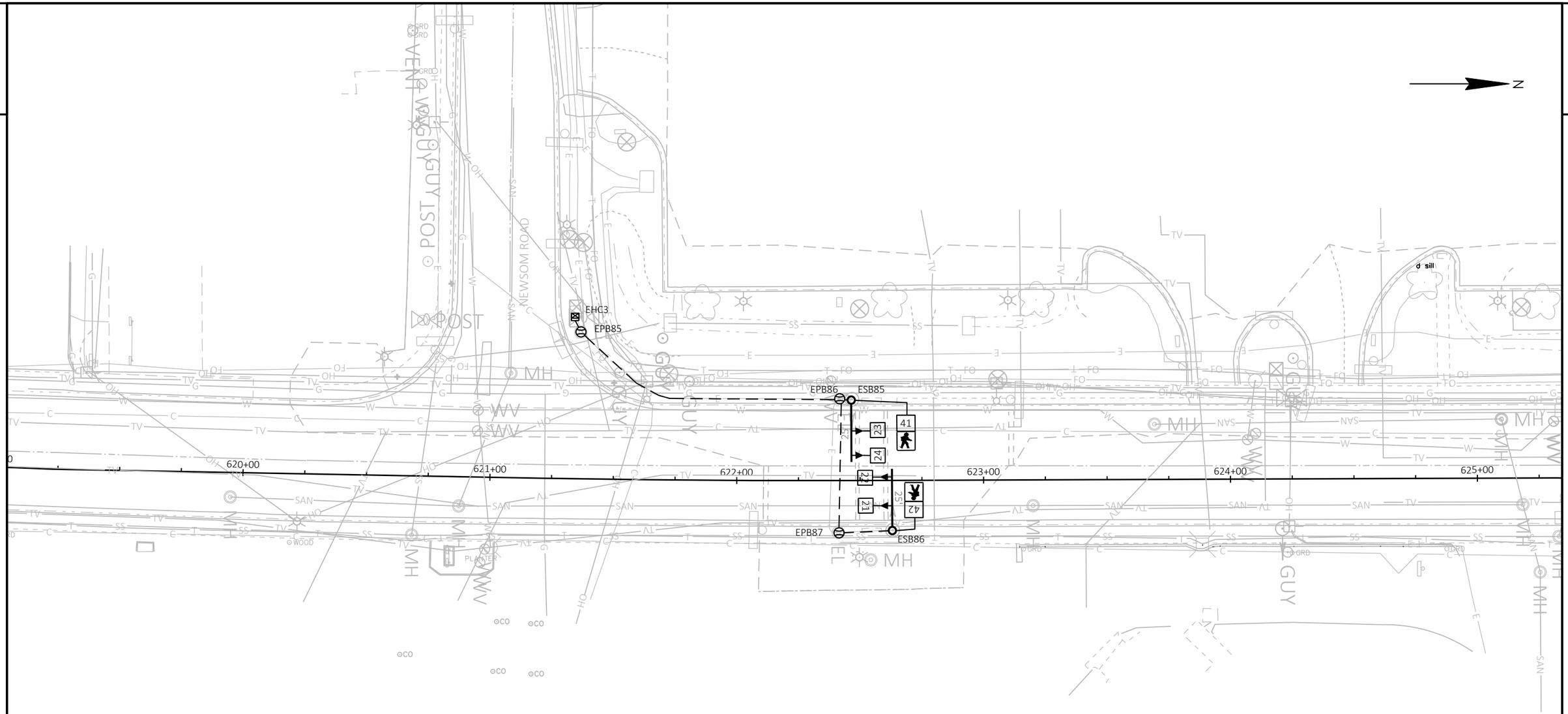


POLE MOUNTING WITH PEDESTRIAN LIGHT DETAIL



POLE MOUNTING DETAIL

2



TO BE REMOVED (INFORMATIONAL ONLY):
2 - TYPE 10 CONCRETE BASE
1 - TYPE 9 SPECIAL CONCRETE CONTROL CABINET BASE
3 - 24"X42" STEEL PULL BOX
2 - TYPE 10 POLES WITH MONOTUBE ARM AND LUMINAIRE ARM

GENERAL NOTES:
1) THE LOCATIONS OF EXISTING TRAFFIC SIGNAL EQUIPMENT ARE APPROXIMATE.
2) THE LOCATIONS OF EXISTING UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.

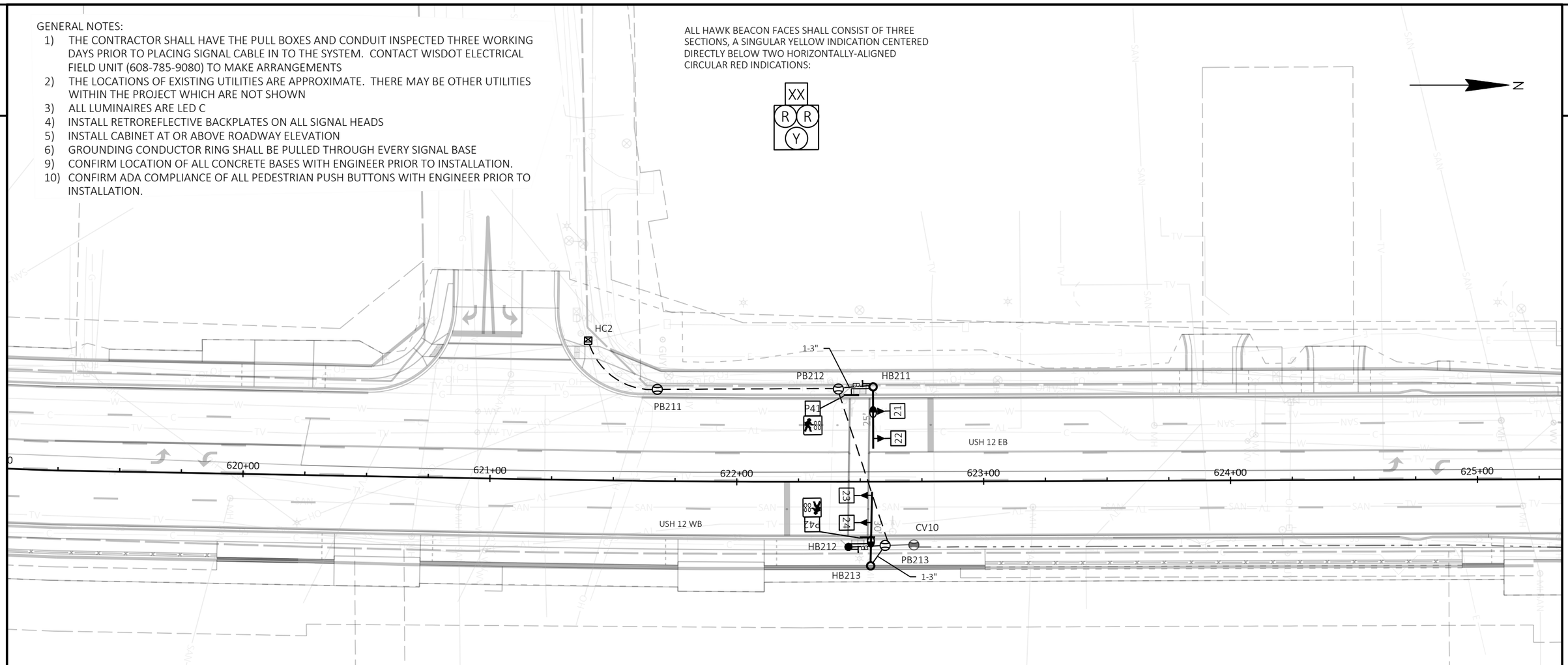
PROJECT NO: 6145-01-73	HWY: USH 12	COUNTY: SAUK	PEDESTRIAN HYBRID BEACON REMOVAL PLAN - USH 12 150' N OF NEWSOM LN	SHEET 371	E

FILE NAME : C:\BOXDRV\BOX\DTSD-PROJECTS-PUBLIC\SWR-PROJECTS-STATE\DESIGN\61450100\TRAFFIC\ELECTRICAL\SIGNALS\CADD\SIGNALREMOVAL-6145-01-00_USH12.DWG
LAYOUT NAME - 024006-sr
PLOT DATE : 5/15/2025 6:55 PM
PLOT BY : WEBB, COLLIN J
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

GENERAL NOTES:

1) THE CONTRACTOR SHALL HAVE THE PULL BOXES AND CONDUIT INSPECTED THREE WORKING DAYS PRIOR TO PLACING SIGNAL CABLE IN TO THE SYSTEM. CONTACT WISDOT ELECTRICAL FIELD UNIT (608-785-9080) TO MAKE ARRANGEMENTS
2) THE LOCATIONS OF EXISTING UTILITIES ARE APPROXIMATE. THERE MAY BE OTHER UTILITIES WITHIN THE PROJECT WHICH ARE NOT SHOWN
3) ALL LUMINAIRES ARE LED C
4) INSTALL RETROREFLECTIVE BACKPLATES ON ALL SIGNAL HEADS
5) INSTALL CABINET AT OR ABOVE ROADWAY ELEVATION
6) GROUNDING CONDUCTOR RING SHALL BE PULLED THROUGH EVERY SIGNAL BASE
9) CONFIRM LOCATION OF ALL CONCRETE BASES WITH ENGINEER PRIOR TO INSTALLATION.
10) CONFIRM ADA COMPLIANCE OF ALL PEDESTRIAN PUSH BUTTONS WITH ENGINEER PRIOR TO INSTALLATION.

ALL HAWK BEACON FACES SHALL CONSIST OF THREE SECTIONS, A SINGULAR YELLOW INDICATION CENTERED DIRECTLY BELOW TWO HORIZONTALLY-ALIGNED CIRCULAR RED INDICATIONS:



LEGEND

- SERVICE POLE
- CONTROL CABINET
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- LOOP DETECTOR CONDUIT 1" NONMETALLIC
- SIGNAL HEAD, TRAFFIC SIGNAL STANDARD, PEDESTAL BASE
- (XX) MONOTUBE BASE, POLE, 15'-30' ARM
- (XX) MONOTUBE BASE, POLE, 35'-45' ARM
- (XX) MONOTUBE BASE, POLE, 35'-55' ARM
- PEDESTRIAN HEAD
- PB PUSH BUTTON
- PULL BOX, 24" X 42"
- XX SIGNAL HEAD NUMBER
- R RED CIRCULAR INDICATOR
- Y YELLOW CIRCULAR INDICATOR
- G GREEN CIRCULAR INDICATOR
- R R RED ARROW
- FY Y YELLOW ARROW
- FG G GREEN ARROW
- PEDESTRIAN COUNTDOWN TIMER, 16 INCH

NOTES:

- ALL LENSES ARE 12-INCH
- GRAYSHADE REPRESENTS EXISTING

MONOTUBE STRUCTURE NUMBERS

HB211	**S-56-4007-0011**
HB213	S-56-4007-0013

PROJECT NO: 6145-01-73	HWY: USH 12	COUNTY: SAUK	PEDESTRIAN HYBRID BEACON - USH 12 150' N OF NEWSOM LN	SHEET 372	E

FILE NAME : C:\BOXDRV\BOX\DTSD-PROJECTS-PUBLIC\SWR-PROJECTS-STATE\DESIGN\61450100\TRAFFIC\ELECTRICAL\SIGNALS\CADD\SIGNAL-6145-01-00_USH12.DWG
LAYOUT NAME - 024211-sp
PLOT DATE : 5/16/2025 12:03 PM PLOT BY : WEBB, COLLIN J PLOT NAME : PLOT SCALE : 1 IN:40 FT

USH 12/STH 23 150' N OF NEWSOME RD TRAFFIC SIGNAL CABLING 14 AWG CABLE								
HOME RUN	CABLE	INDICATION/WIRE COLOR						
		BLK	WHT	RED	GRN	ORG	BLU	WHT/BLK
HC2 - HB211	7/C	4-DW	NEUTRAL	2-R-RT	2-R-LT	2-Y	4-WALK	
HC2 - HB212	5/C	4-DW	NEUTRAL		4-WALK			
HC2 - HB213	7/C		NEUTRAL	2-R-RT	2-R-LT	2-Y		

USH 12/STH 23 150' N OF NEWSOME RD LIGHTING CABLING UF 2-12 AWG CABLE W/ GROUND	
FROM	TO
HC2	HB211
HB211	HB213

USH 12/STH 23 150' N OF NEWSOME RD EQUIPMENT GROUNDING CONDUCTORS 10 AWG GRN XLP	
FROM	TO
HC2	HB211
HB211	HB212
HB212	HB213
HB213	HC2

USH 12/STH 23 150' N OF NEWSOME RD PEDESTRIAN DETECTION CABLING LOOP DETECTOR LEAD-IN CABLE	
FROM	TO
HC2	HB211
HC2	HB212

PROJECT NO: 6145-01-73	HWY: USH 12	COUNTY: SAUK	CABLE ROUTING CHART - USH 12/STH 23 150' N OF NEWSOM LN	SHEET 373	E

FILE NAME : C:\BOXDRV\BOX\DTSD-PROJECTS-PUBLIC\SWR-PROJECTS-STATE\DESIGN\61450100\TRAFFIC\ELECTRICAL\SIGNALS\CADD\SIGNALCABLING-6145-01-00_USH12.DWG
LAYOUT NAME - 024408-cr
PLOT DATE : 5/16/2025 3:40 PM
PLOT BY : WEBB, COLLIN J
PLOT NAME :
PLOT SCALE :
WISDOT/CADDS SHEET 42

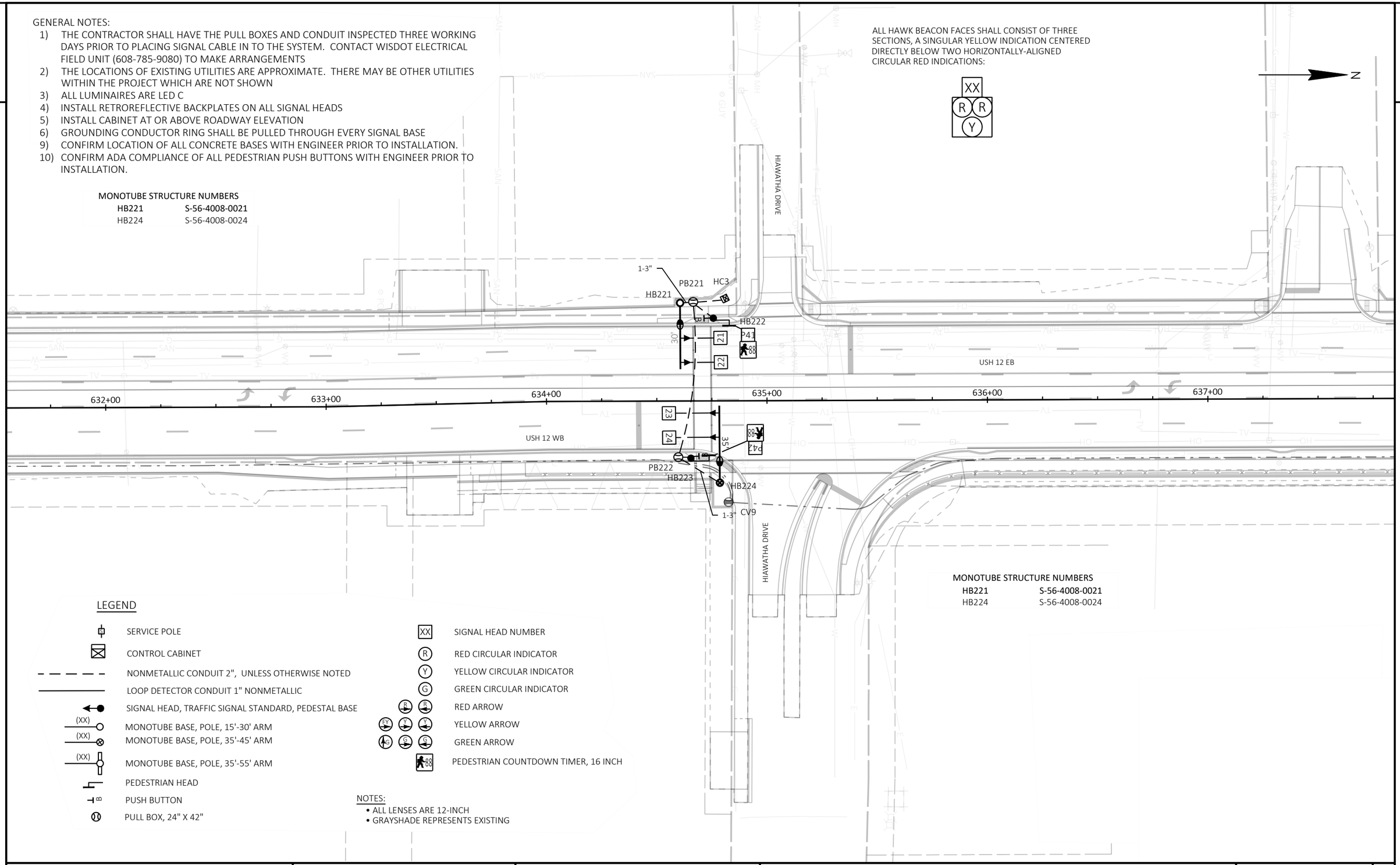
GENERAL NOTES:

1) THE CONTRACTOR SHALL HAVE THE PULL BOXES AND CONDUIT INSPECTED THREE WORKING DAYS PRIOR TO PLACING SIGNAL CABLE IN TO THE SYSTEM. CONTACT WISDOT ELECTRICAL FIELD UNIT (608-785-9080) TO MAKE ARRANGEMENTS
2) THE LOCATIONS OF EXISTING UTILITIES ARE APPROXIMATE. THERE MAY BE OTHER UTILITIES WITHIN THE PROJECT WHICH ARE NOT SHOWN
3) ALL LUMINAIRES ARE LED C
4) INSTALL RETROREFLECTIVE BACKPLATES ON ALL SIGNAL HEADS
5) INSTALL CABINET AT OR ABOVE ROADWAY ELEVATION
6) GROUNDING CONDUCTOR RING SHALL BE PULLED THROUGH EVERY SIGNAL BASE
9) CONFIRM LOCATION OF ALL CONCRETE BASES WITH ENGINEER PRIOR TO INSTALLATION.
10) CONFIRM ADA COMPLIANCE OF ALL PEDESTRIAN PUSH BUTTONS WITH ENGINEER PRIOR TO INSTALLATION.

MONOTUBE STRUCTURE NUMBERS

HB221	S-56-4008-0021
HB224	S-56-4008-0024

ALL HAWK BEACON FACES SHALL CONSIST OF THREE SECTIONS, A SINGULAR YELLOW INDICATION CENTERED DIRECTLY BELOW TWO HORIZONTALLY-ALIGNED CIRCULAR RED INDICATIONS:



MONOTUBE STRUCTURE NUMBERS

HB221	S-56-4008-0021
HB224	S-56-4008-0024

LEGEND

- SERVICE POLE
- CONTROL CABINET
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- LOOP DETECTOR CONDUIT 1" NONMETALLIC
- SIGNAL HEAD, TRAFFIC SIGNAL STANDARD, PEDESTAL BASE
- (XX) MONOTUBE BASE, POLE, 15'-30' ARM
- (XX) MONOTUBE BASE, POLE, 35'-45' ARM
- (XX) MONOTUBE BASE, POLE, 35'-55' ARM
- PEDESTRIAN HEAD
- PUSH BUTTON
- PULL BOX, 24" X 42"
- XX SIGNAL HEAD NUMBER
- R RED CIRCULAR INDICATOR
- Y YELLOW CIRCULAR INDICATOR
- G GREEN CIRCULAR INDICATOR
- RED ARROW
- YELLOW ARROW
- GREEN ARROW
- PEDESTRIAN COUNTDOWN TIMER, 16 INCH

NOTES:
- ALL LENSES ARE 12-INCH
- GRAYSHADE REPRESENTS EXISTING

PROJECT NO: 6145-01-73	HWY: USH 12	COUNTY: SAUK	PEDESTRIAN HYBRID BEACON - USH 12 AT HIAWATHA	SHEET 374	E

FILE NAME : C:\BOXDRV\BOX\DTSD-PROJECTS-PUBLIC\SWR-PROJECTS-STATE\DESIGN\61450100\TRAFFIC\ELECTRICAL\SIGNALS\CADD\SIGNAL-6145-01-00_USH12.DWG
LAYOUT NAME - 024210-sp
PLOT DATE : 5/16/2025 12:03 PM
PLOT BY : WEBB, COLLIN J
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

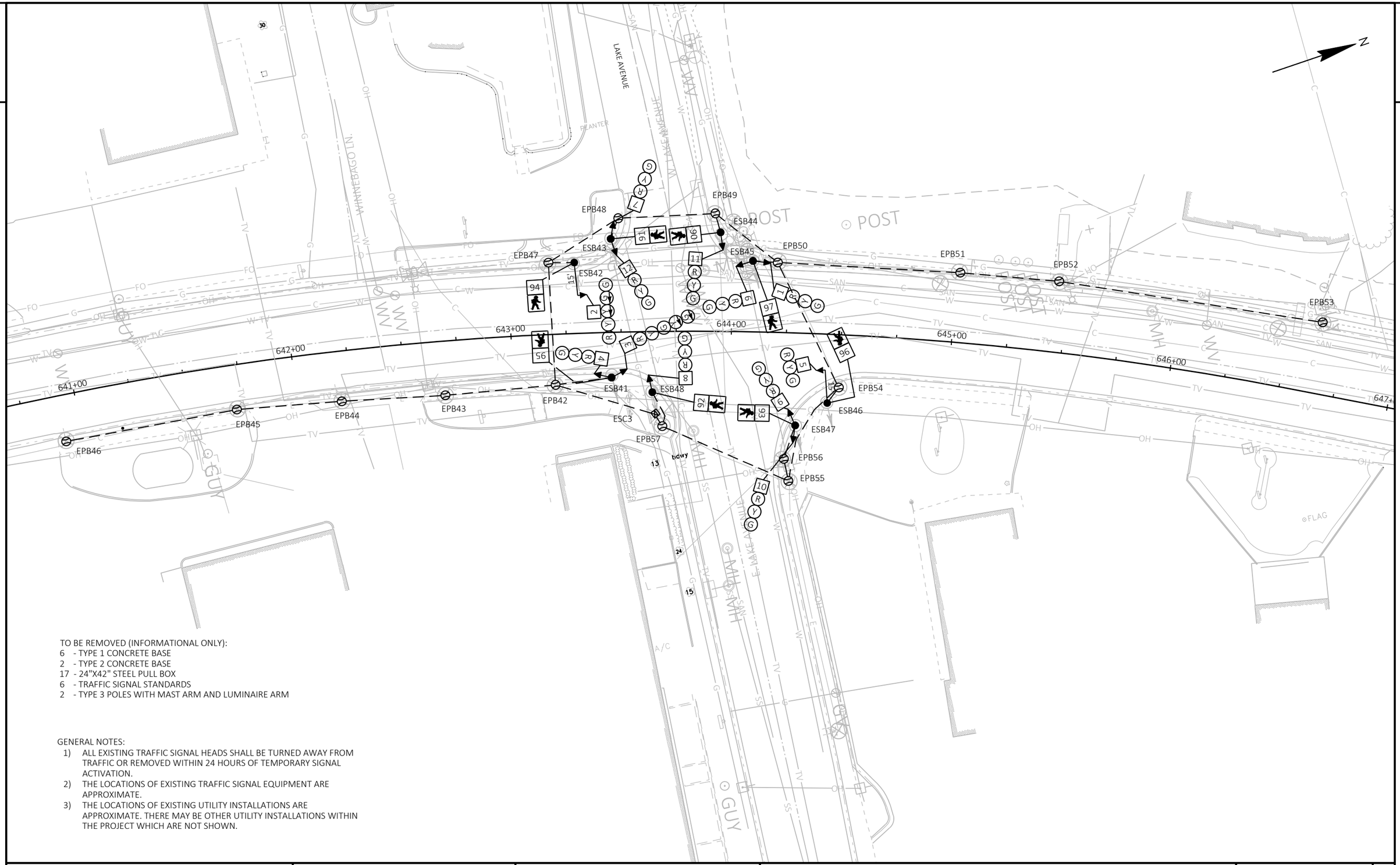
USH 12/STH 23 AT HIAWATHA DR TRAFFIC SIGNAL CABLING 14 AWG CABLE								
HOME RUN	CABLE	INDICATION/WIRE COLOR						
		BLK	WHT	RED	GRN	ORG	BLU	WHT/BLK
HC3 - HB221	7/C		NEUTRAL	2-R-RT	2-R-LT	2-Y		
HC3 - HB222	5/C	4-DW	NEUTRAL		4-WALK			
HC3 - HB223	5/C	4-DW	NEUTRAL		4-WALK			
HC3 - HB224	7/C		NEUTRAL	2-R-RT	2-R-LT	2-Y		

USH 12/STH 23 AT HIAWATHA DR LIGHTING CABLING UF 2-12 AWG CABLE W/ GROUND	
FROM	TO
HC3	HB221
HB221	HB224

USH 12/STH 23 AT HIAWATHA DR EQUIPMENT GROUNDING CONDUCTORS 10 AWG GRN XLP	
FROM	TO
HC3	HB221
HB221	HB222
HB222	HB223
HB223	HB224
HB224	HC3

USH 12/STH 23 AT HIAWATHA DR PEDESTRIAN DETECTION CABLING LOOP DETECTOR LEAD-IN CABLE	
FROM	TO
HC3	HB222
HC3	HB223

2



TO BE REMOVED (INFORMATIONAL ONLY):

6 - TYPE 1 CONCRETE BASE
2 - TYPE 2 CONCRETE BASE
17 - 24"X42" STEEL PULL BOX
6 - TRAFFIC SIGNAL STANDARDS
2 - TYPE 3 POLES WITH MAST ARM AND LUMINAIRE ARM

GENERAL NOTES:

1) ALL EXISTING TRAFFIC SIGNAL HEADS SHALL BE TURNED AWAY FROM TRAFFIC OR REMOVED WITHIN 24 HOURS OF TEMPORARY SIGNAL ACTIVATION.
2) THE LOCATIONS OF EXISTING TRAFFIC SIGNAL EQUIPMENT ARE APPROXIMATE.
3) THE LOCATIONS OF EXISTING UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.

PROJECT NO: 6145-01-73	HWY: USH 12	COUNTY: SAUK	TRAFFIC SIGNAL REMOVAL PLAN - USH 12 & LAKE AVENUE	SHEET 376	E

FILE NAME : C:\BOXDRV\BOX\DTSD-PROJECTS-PUBLIC\SWR-PROJECTS-STATE\DESIGN\61450100\TRAFFIC\ELECTRICAL\SIGNALS\CADD\SIGNALREMOVAL-6145-01-00_USH12.DWG
LAYOUT NAME - 024003-sr
PLOT DATE : 5/15/2025 6:55 PM
PLOT BY : WEBB, COLLIN J
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

LEGEND

- WOOD POLE, CLASS 4
- 4 X 4 WOOD POST OR SKID
- PUSH BUTTON
- OH — SPAN WIRE
- TEMPORARY SIGNAL HEAD
- TEMPORARY LUMINAIRE, 250 W HPS OR LED C
- XX — SIGNAL HEAD NUMBER
- R — RED CIRCULAR INDICATOR
- Y — YELLOW CIRCULAR INDICATOR
- G — GREEN CIRCULAR INDICATOR
- RA — RED ARROW
- YA — YELLOW ARROW
- FY — FLASHING YELLOW ARROW
- GA — GREEN ARROW

SCALE, FEET 0 20 40

- VX — FISHEYE VIDEO DETECTION CAMERA
- WORK ZONE
- TEMPORARY PAVEMENT SURFACE
- TRAFFIC FLOW ARROW
- PEDESTRIAN WALK/DON'T WALK INDICATOR
- TRAFFIC SIGNAL HEAD TO BE COVERED AND DE-ENERGIZED

NOTE: ALL LENSES ARE 12-INCH

SUMMARY	
SPAN WIRE	358 LF
CLASS 4 WOOD POLE	5 EACH
SIGNAL HEADS	16 EACH
PEDESTRIAN HEADS	8 EACH
TEMPORARY LUMINAIRES	4 EACH
4x4 WOOD POST OR SKID	6 EACH
FISHEYE VIDEO DETECTION CAMERA	1 EACH
TEMPORARY SIGNAL CABINET AND CONTROLLER	1 EACH

NOTE: CAMERA AND CONTROLLER WILL BE SUPPLIED BY THE DEPARTMENT

WINNEBAGO LN
W. LAKE AVENUE
E. LAKE AVENUE
USH 12 (WISCONSIN DELLS PARKWAY)
SPEED LIMIT = 25 MPH
SPEED LIMIT = 35 MPH
641+00
642+00
643+00
644+00
645+00
646+00
TLE
PR. R/W
R/W
WP1
WP2
WP3
WP4
WP5
P1
P2
P3
P4
P5
P6

CONSTRUCTION NOTES:

1. ALL LUMINAIRES ARE 250W HPS OR LED C UNLESS OTHERWISE NOTED.
2. FINAL LOCATION OF SIGNAL POLES, SIGNAL HEADS AND SIGNAL CABINET SHALL BE AS REVIEWED BY ENGINEER.
3. POLE & POSTS INSTALLED BEHIND CURBS SHALL BE OFFSET AT MINIMUM OF 2-FEET FROM THE FACE OF CURB TO THE SIDE OF THE POST OR POLE.
4. MOUNT NEAR RIGHT SIGNAL ABOVE TETHER WIRE WHEN OVER ROAD.
5. ALL EXISTING SIGNAL HEADS SHALL BE REMOVED, COVERED, OR TURNED AWAY FROM TRAFFIC IMMEDIATELY AFTER TURNING ON TEMPORARY SIGNALS, UNLESS OTHERWISE NOTED.
6. GUYING OF POLES IS REQUIRED AND LOCATIONS SHALL BE REVIEWED BY THE ENGINEER.

STAGING NOTES:

1. WHEN PEDESTRIAN HEADS ARE UNCOVERED, PEDESTRIAN ACCESS TO BE MAINTAINED AT THE CROSSING DURING THE CONSTRUCTION STAGE.
2. ADJUST TEMPORARY SIGNAL AS REVIEWED BY THE ENGINEER TO MAINTAIN MUTCD SIGNAL REQUIREMENTS.
3. ACCOMMODATE PEDESTRIANS ACROSS ALL OPEN CROSSINGS DURING CONSTRUCTION. SEE TRAFFIC CONTROL PEDESTRIAN DETOUR PLANS FOR DETAILS. THE CONTRACTOR SHALL CONSULT THE DEPARTMENT PRIOR TO CLOSING OR ALTERING PEDESTRIAN CROSSINGS.
4. THE DEPARTMENT IS RESPONSIBLE FOR DETECTION CHANGES AND TIMING CHANGES. CONTRACTOR IS RESPONSIBLE FOR KNOCKDOWNS, BAGGING HEADS, AND INSTALLATION AND MAINTENANCE OF TEMPORARY HEADS.

TRAFFIC CONTROL SIGNAL
USH 12 & LAKE AVENUE
VILLAGE OF LAKE DELTON
SAUK COUNTY

SIGNAL NO.

REGION CONTACT: COLLIN WEBB
DESIGNED BY: GRAEF
REVISED BY:

PROJECT NO: 6145-01-72/73/74	HWY: US 12	COUNTY: SAUK	TEMPORARY SIGNAL PLAN - STAGE 2	SHEET 377	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\TEMP SIGNALS\01_LAKE\01_024101-ST_2FALL26.DWG
LAYOUT NAME - 024101-st
PLOT DATE : 2/3/2026 10:49 AM PLOT BY : BIEBERITZ, BEN PLOT NAME : PLOT SCALE : 1 IN:40 FT

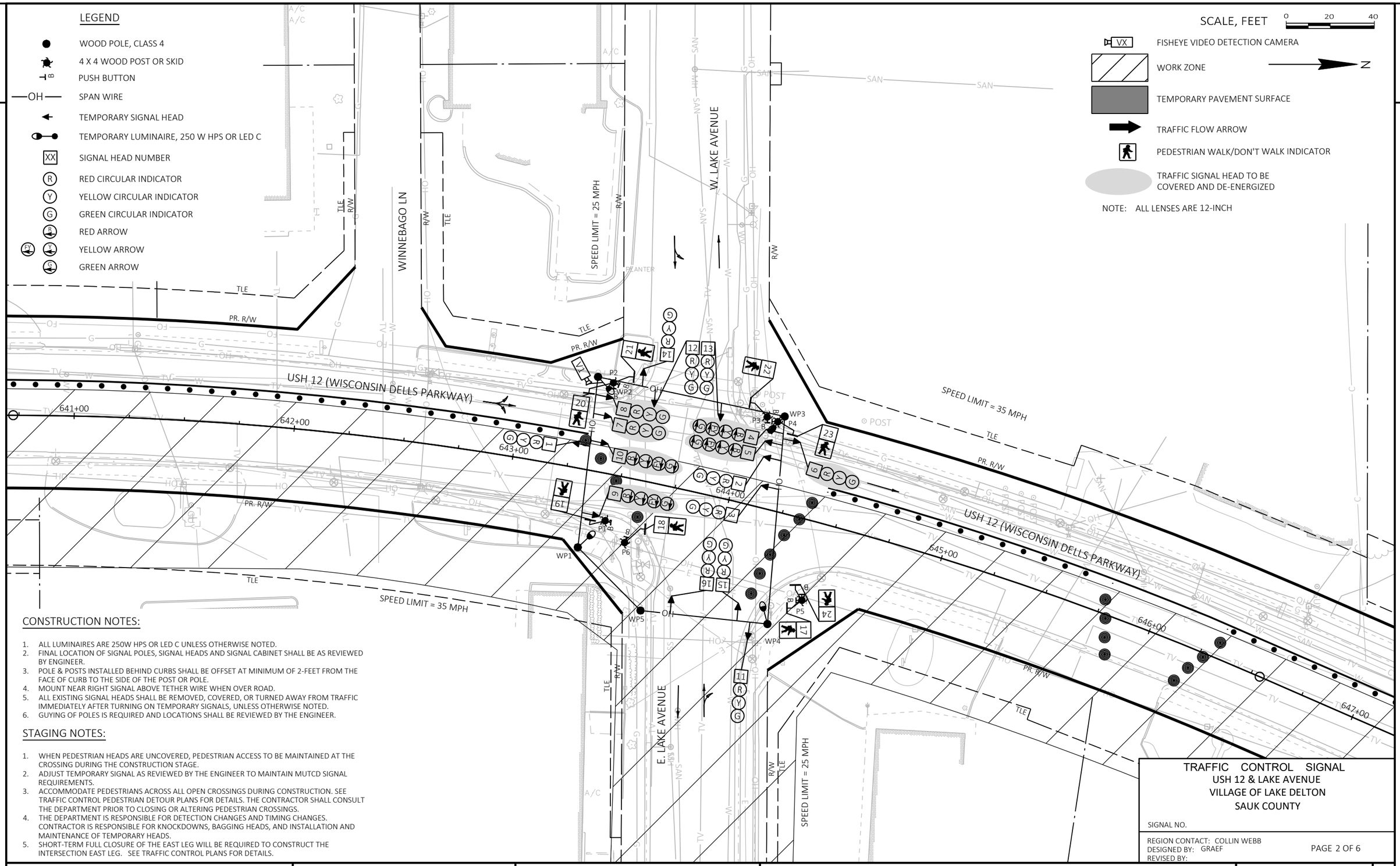
LEGEND

- WOOD POLE, CLASS 4
- 4 X 4 WOOD POST OR SKID
- PUSH BUTTON
- OH — SPAN WIRE
- TEMPORARY SIGNAL HEAD
- TEMPORARY LUMINAIRE, 250 W HPS OR LED C
- XX — SIGNAL HEAD NUMBER
- R — RED CIRCULAR INDICATOR
- Y — YELLOW CIRCULAR INDICATOR
- G — GREEN CIRCULAR INDICATOR
- RA — RED ARROW
- YA — YELLOW ARROW
- FY — FLASHING YELLOW ARROW
- GA — GREEN ARROW

SCALE, FEET 0 20 40

- VX — FISHEYE VIDEO DETECTION CAMERA
- WORK ZONE
- TEMPORARY PAVEMENT SURFACE
- TRAFFIC FLOW ARROW
- PEDESTRIAN WALK/DON'T WALK INDICATOR
- TRAFFIC SIGNAL HEAD TO BE COVERED AND DE-ENERGIZED

NOTE: ALL LENSES ARE 12-INCH



CONSTRUCTION NOTES:

1. ALL LUMINAIRES ARE 250W HPS OR LED C UNLESS OTHERWISE NOTED.
2. FINAL LOCATION OF SIGNAL POLES, SIGNAL HEADS AND SIGNAL CABINET SHALL BE AS REVIEWED BY ENGINEER.
3. POLE & POSTS INSTALLED BEHIND CURBS SHALL BE OFFSET AT MINIMUM OF 2-FEET FROM THE FACE OF CURB TO THE SIDE OF THE POST OR POLE.
4. MOUNT NEAR RIGHT SIGNAL ABOVE TETHER WIRE WHEN OVER ROAD.
5. ALL EXISTING SIGNAL HEADS SHALL BE REMOVED, COVERED, OR TURNED AWAY FROM TRAFFIC IMMEDIATELY AFTER TURNING ON TEMPORARY SIGNALS, UNLESS OTHERWISE NOTED.
6. GUYING OF POLES IS REQUIRED AND LOCATIONS SHALL BE REVIEWED BY THE ENGINEER.

STAGING NOTES:

1. WHEN PEDESTRIAN HEADS ARE UNCOVERED, PEDESTRIAN ACCESS TO BE MAINTAINED AT THE CROSSING DURING THE CONSTRUCTION STAGE.
2. ADJUST TEMPORARY SIGNAL AS REVIEWED BY THE ENGINEER TO MAINTAIN MUTCD SIGNAL REQUIREMENTS.
3. ACCOMMODATE PEDESTRIANS ACROSS ALL OPEN CROSSINGS DURING CONSTRUCTION. SEE TRAFFIC CONTROL PEDESTRIAN DETOUR PLANS FOR DETAILS. THE CONTRACTOR SHALL CONSULT THE DEPARTMENT PRIOR TO CLOSING OR ALTERING PEDESTRIAN CROSSINGS.
4. THE DEPARTMENT IS RESPONSIBLE FOR DETECTION CHANGES AND TIMING CHANGES. CONTRACTOR IS RESPONSIBLE FOR KNOCKDOWNS, BAGGING HEADS, AND INSTALLATION AND MAINTENANCE OF TEMPORARY HEADS.
5. SHORT-TERM FULL CLOSURE OF THE EAST LEG WILL BE REQUIRED TO CONSTRUCT THE INTERSECTION EAST LEG. SEE TRAFFIC CONTROL PLANS FOR DETAILS.

TRAFFIC CONTROL SIGNAL
USH 12 & LAKE AVENUE
VILLAGE OF LAKE DELTON
SAUK COUNTY

SIGNAL NO.

REGION CONTACT: COLLIN WEBB
DESIGNED BY: GRAEF
REVISED BY:

PROJECT NO: 6145-01-72/73/74	HWY: US 12	COUNTY: SAUK	TEMPORARY SIGNAL PLAN - STAGE 3	SHEET 378	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\TEMP SIGNALS\01_LAKE\01_024101-ST_3SPR27.DWG
LAYOUT NAME - 024101-st
PLOT DATE : 2/3/2026 10:50 AM PLOT BY : BIEBERITZ, BEN PLOT NAME : PLOT SCALE : 1 IN:40 FT

LEGEND

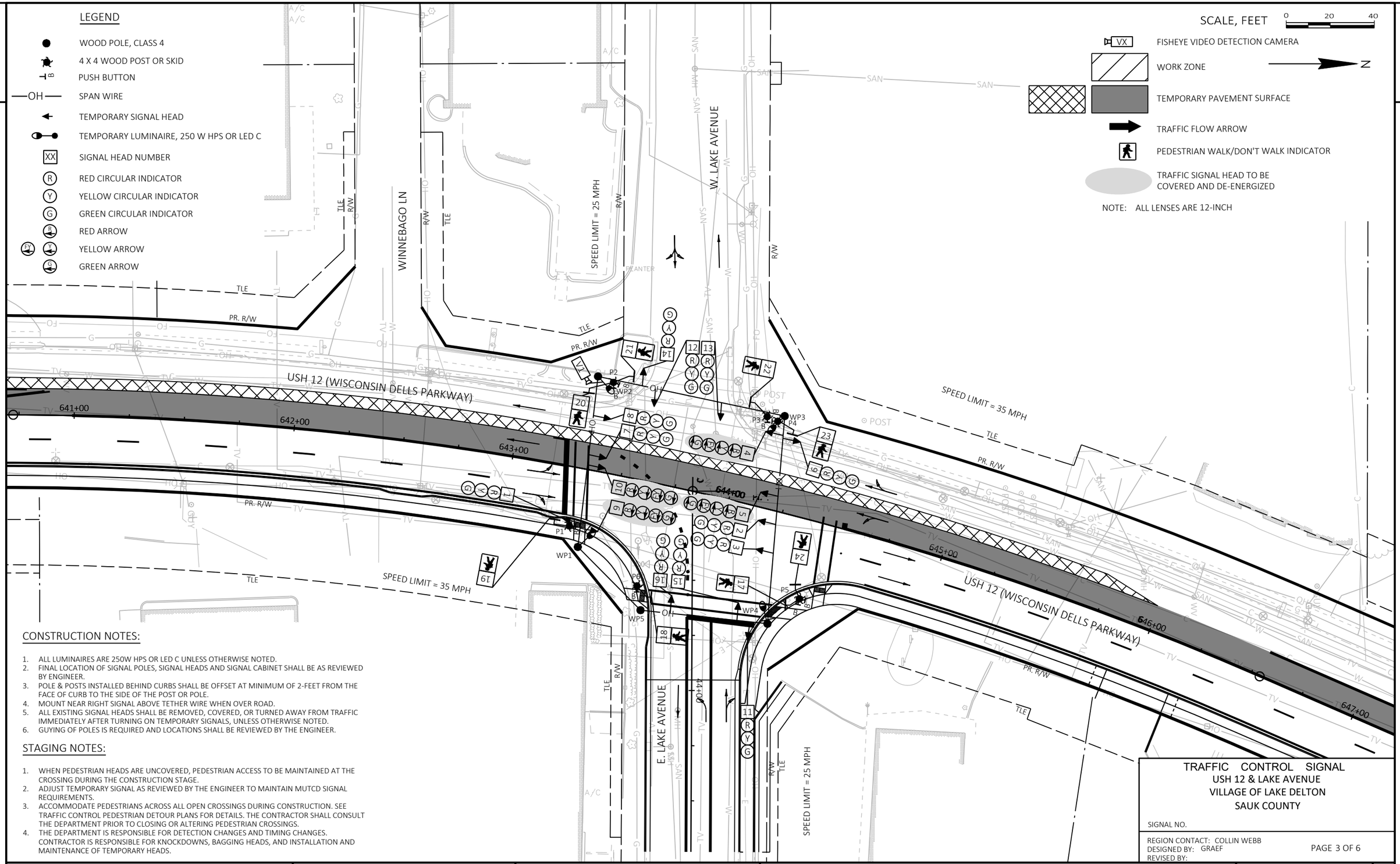
- WOOD POLE, CLASS 4
- 4 X 4 WOOD POST OR SKID
- PUSH BUTTON
- OH — SPAN WIRE
- TEMPORARY SIGNAL HEAD
- TEMPORARY LUMINAIRE, 250 W HPS OR LED C
- XX — SIGNAL HEAD NUMBER
- R — RED CIRCULAR INDICATOR
- Y — YELLOW CIRCULAR INDICATOR
- G — GREEN CIRCULAR INDICATOR
- R — RED ARROW
- FY / Y — YELLOW ARROW
- G — GREEN ARROW

SCALE, FEET 0 20 40

- VX — FISHEYE VIDEO DETECTION CAMERA
- WORK ZONE
- TEMPORARY PAVEMENT SURFACE
- TRAFFIC FLOW ARROW
- PEDESTRIAN WALK/DON'T WALK INDICATOR
- TRAFFIC SIGNAL HEAD TO BE COVERED AND DE-ENERGIZED

N

NOTE: ALL LENSES ARE 12-INCH



CONSTRUCTION NOTES:

1. ALL LUMINAIRES ARE 250W HPS OR LED C UNLESS OTHERWISE NOTED.
2. FINAL LOCATION OF SIGNAL POLES, SIGNAL HEADS AND SIGNAL CABINET SHALL BE AS REVIEWED BY ENGINEER.
3. POLE & POSTS INSTALLED BEHIND CURBS SHALL BE OFFSET AT MINIMUM OF 2-FEET FROM THE FACE OF CURB TO THE SIDE OF THE POST OR POLE.
4. MOUNT NEAR RIGHT SIGNAL ABOVE TETHER WIRE WHEN OVER ROAD.
5. ALL EXISTING SIGNAL HEADS SHALL BE REMOVED, COVERED, OR TURNED AWAY FROM TRAFFIC IMMEDIATELY AFTER TURNING ON TEMPORARY SIGNALS, UNLESS OTHERWISE NOTED.
6. GUYING OF POLES IS REQUIRED AND LOCATIONS SHALL BE REVIEWED BY THE ENGINEER.

STAGING NOTES:

1. WHEN PEDESTRIAN HEADS ARE UNCOVERED, PEDESTRIAN ACCESS TO BE MAINTAINED AT THE CROSSING DURING THE CONSTRUCTION STAGE.
2. ADJUST TEMPORARY SIGNAL AS REVIEWED BY THE ENGINEER TO MAINTAIN MUTCD SIGNAL REQUIREMENTS.
3. ACCOMMODATE PEDESTRIANS ACROSS ALL OPEN CROSSINGS DURING CONSTRUCTION. SEE TRAFFIC CONTROL PEDESTRIAN DETOUR PLANS FOR DETAILS. THE CONTRACTOR SHALL CONSULT THE DEPARTMENT PRIOR TO CLOSING OR ALTERING PEDESTRIAN CROSSINGS.
4. THE DEPARTMENT IS RESPONSIBLE FOR DETECTION CHANGES AND TIMING CHANGES. CONTRACTOR IS RESPONSIBLE FOR KNOCKDOWNS, BAGGING HEADS, AND INSTALLATION AND MAINTENANCE OF TEMPORARY HEADS.

TRAFFIC CONTROL SIGNAL
USH 12 & LAKE AVENUE
VILLAGE OF LAKE DELTON
SAUK COUNTY

SIGNAL NO.

REGION CONTACT: COLLIN WEBB
DESIGNED BY: GRAEF
REVISED BY:

PROJECT NO: 6145-01-72/73/74	HWY: US 12	COUNTY: SAUK	TEMPORARY SIGNAL PLAN - POST STAGE 3	SHEET 379	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\TEMP SIGNALS\01_LAKE\01_024101-ST_P3SUM27.DWG
LAYOUT NAME - 024101-st
PLOT DATE : 2/3/2026 10:50 AM PLOT BY : BIEBERITZ, BEN PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

LEGEND

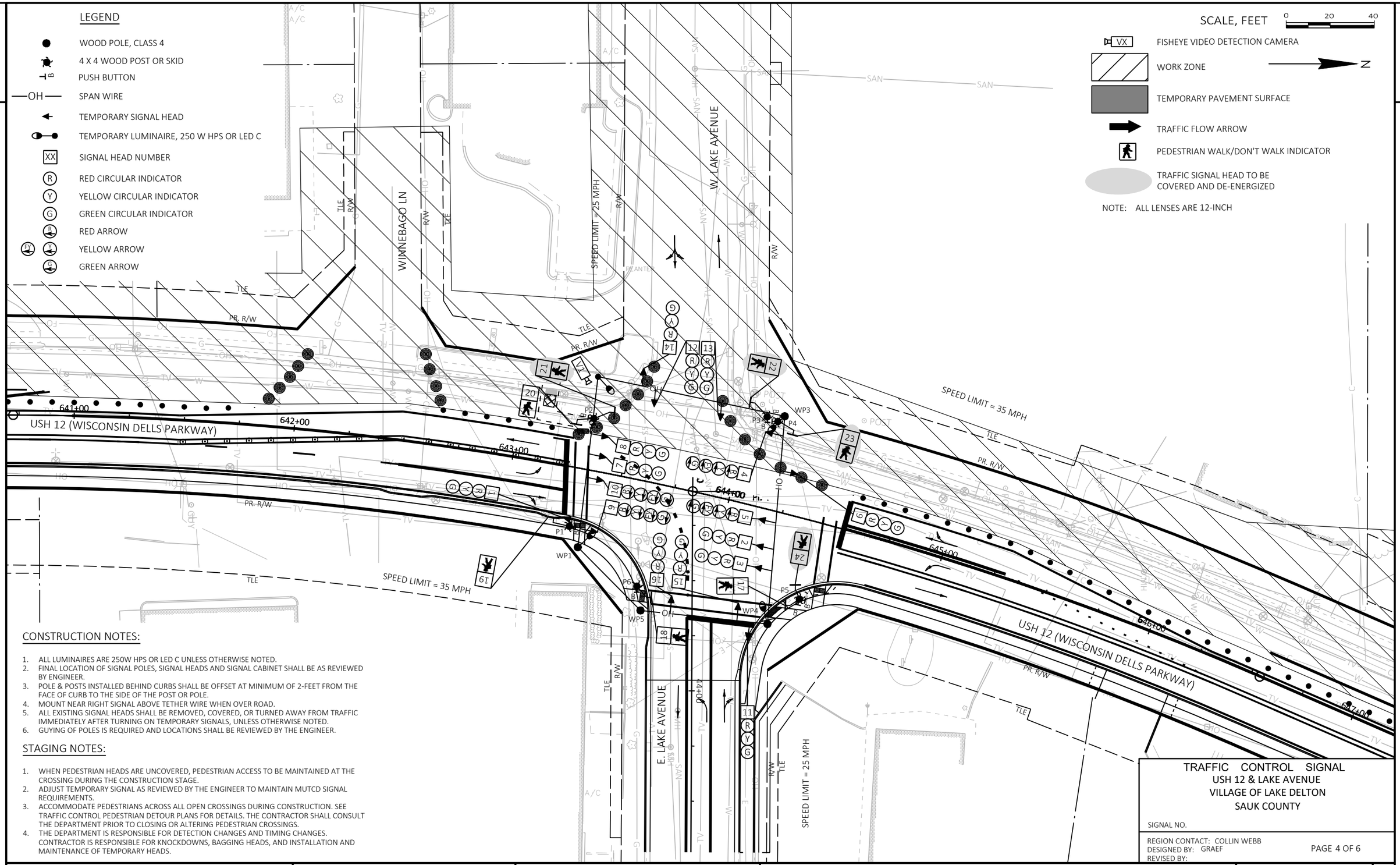
- WOOD POLE, CLASS 4
- 4 X 4 WOOD POST OR SKID
- PUSH BUTTON
- —OH— SPAN WIRE
- TEMPORARY SIGNAL HEAD
- TEMPORARY LUMINAIRE, 250 W HPS OR LED C
- XX SIGNAL HEAD NUMBER
- R RED CIRCULAR INDICATOR
- Y YELLOW CIRCULAR INDICATOR
- G GREEN CIRCULAR INDICATOR
- R RED ARROW
- FY Y YELLOW ARROW
- G GREEN ARROW

SCALE, FEET 0 20 40

- VX FISHEYE VIDEO DETECTION CAMERA
- WORK ZONE
- TEMPORARY PAVEMENT SURFACE
- TRAFFIC FLOW ARROW
- PEDESTRIAN WALK/DON'T WALK INDICATOR
- TRAFFIC SIGNAL HEAD TO BE COVERED AND DE-ENERGIZED

N

NOTE: ALL LENSES ARE 12-INCH



CONSTRUCTION NOTES:

1. ALL LUMINAIRES ARE 250W HPS OR LED C UNLESS OTHERWISE NOTED.
2. FINAL LOCATION OF SIGNAL POLES, SIGNAL HEADS AND SIGNAL CABINET SHALL BE AS REVIEWED BY ENGINEER.
3. POLE & POSTS INSTALLED BEHIND CURBS SHALL BE OFFSET AT MINIMUM OF 2-FEET FROM THE FACE OF CURB TO THE SIDE OF THE POST OR POLE.
4. MOUNT NEAR RIGHT SIGNAL ABOVE TETHER WIRE WHEN OVER ROAD.
5. ALL EXISTING SIGNAL HEADS SHALL BE REMOVED, COVERED, OR TURNED AWAY FROM TRAFFIC IMMEDIATELY AFTER TURNING ON TEMPORARY SIGNALS, UNLESS OTHERWISE NOTED.
6. GUYING OF POLES IS REQUIRED AND LOCATIONS SHALL BE REVIEWED BY THE ENGINEER.

STAGING NOTES:

1. WHEN PEDESTRIAN HEADS ARE UNCOVERED, PEDESTRIAN ACCESS TO BE MAINTAINED AT THE CROSSING DURING THE CONSTRUCTION STAGE.
2. ADJUST TEMPORARY SIGNAL AS REVIEWED BY THE ENGINEER TO MAINTAIN MUTCD SIGNAL REQUIREMENTS.
3. ACCOMMODATE PEDESTRIANS ACROSS ALL OPEN CROSSINGS DURING CONSTRUCTION. SEE TRAFFIC CONTROL PEDESTRIAN DETOUR PLANS FOR DETAILS. THE CONTRACTOR SHALL CONSULT THE DEPARTMENT PRIOR TO CLOSING OR ALTERING PEDESTRIAN CROSSINGS.
4. THE DEPARTMENT IS RESPONSIBLE FOR DETECTION CHANGES AND TIMING CHANGES. CONTRACTOR IS RESPONSIBLE FOR KNOCKDOWNS, BAGGING HEADS, AND INSTALLATION AND MAINTENANCE OF TEMPORARY HEADS.

TRAFFIC CONTROL SIGNAL
USH 12 & LAKE AVENUE
VILLAGE OF LAKE DELTON
SAUK COUNTY

SIGNAL NO.

REGION CONTACT: COLLIN WEBB
DESIGNED BY: GRAEF
REVISED BY:

PAGE 4 OF 6

PROJECT NO: 6145-01-72/73/74	HWY: US 12	COUNTY: SAUK	TEMPORARY SIGNAL PLAN - STAGE 4	SHEET 380	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\TEMP SIGNALS\01_LAKE\01_024101-ST_4FALL27.DWG
LAYOUT NAME - 024101-st

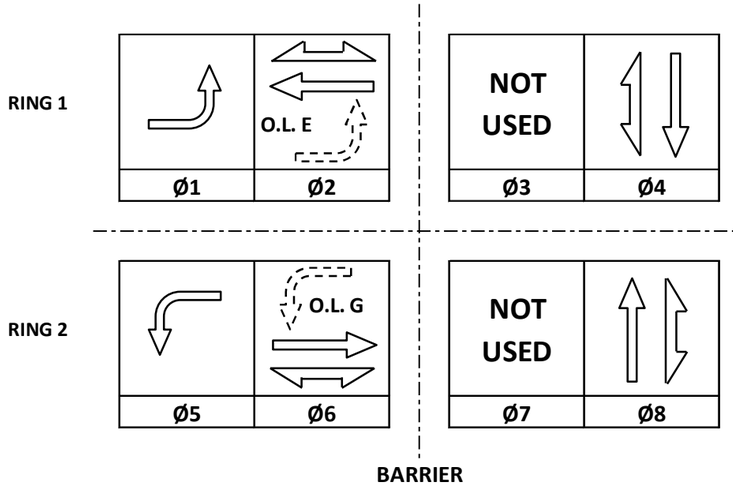
PLOT DATE : 2/3/2026 10:51 AM PLOT BY : BIEBERITZ, BEN PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

N

	HEAD NUMBERS	FLASH
Ø1	4,5	R ←
Ø2	6,7,8	R
Ø3		
Ø4	14,15,16	R
Ø5	9,10	R ←
Ø6	1,2,3	R
Ø7		
Ø8	11,12,13	R
Ø2P	21,22	
Ø4P	19,20	
Ø6P	17,18	
Ø8P	23,24	
OLE	4,5	-
OLF		-
OLG	9,10	-
OLH		-



CONTROLLER LOGIC

PHASE NUMBER	PHASE LOCKING	DUAL ENTRY W / Ø	PHASE RECALL	PHASE ACTIVE
1		5		X
2	X	2	MIN	X
3				
4		8		X
5		1		X
6	X	6	MIN	X
7				
8		4		X

TYPE OF INTERCONNECT/COMMUNICATION	
NONE	
CLOSED LOOP	
TWISTED PAIR	
FIBER OPTIC*	
FIBER OPTIC (ETHERNET)	
RADIO	
CELL MODEM	X

TYPE OF COORDINATION	
NONE	
TBC	X
TRAFFIC RESPONSIVE	
ADAPTIVE	
*LOCATION OF MASTER CONTROLLER NO:	S-
SIGNAL SYSTEM NO:	SS-

TYPE OF LIGHTING	
BY OTHER AGENCY	
IN TRAFFIC CABINET	X
IN SEPARATE DOT LIGHTING CABINET	

TYPE OF PRE-EMPT	
NONE	X
RAILROAD	
EMERGENCY VEHICLE	
GTT	
TOMAR	
HARDWIRE	
OTHER	
CONFIRMATION LIGHTS	
LIFT BRIDGE	
QUEUE DETECTION	

GENERAL NOTES:

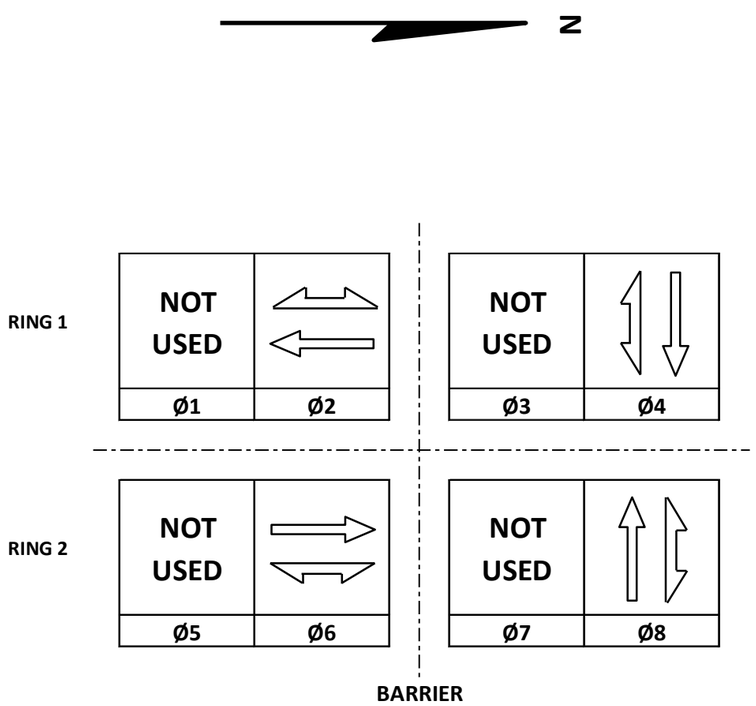
1. REFER TO TRAFFIC CONTROL PEDESTRIAN ACCOMODATIONS PLANS FOR WHERE PEDESTRIANS ARE ACCOMODATED DURING CONSTRUCTION STAGING. CONTRACTOR SHALL CONSULT THE DEPARTMENT PRIOR TO CLOSING OR ALTERING PEDESTRIAN CROSSINGS.
2. PEDESTRIAN PHASES SHALL RUN ON PUSH BUTTON ACTUATION.

US 12 & LAKE AVENUE
VILLAGE OF LAKE DELTON
SAUK COUNTY

SIGNAL NO: CABINET TYPE: TS2
CONTROLLER TYPE: ECONOLITE
DATE: 2/26 PAGE NO. 5 OF 6

2

	HEAD NUMBERS	FLASH
Ø1		
Ø2	6,7,8	R
Ø3		
Ø4	14,15,16	R
Ø5		
Ø6	1,2,3	R
Ø7		
Ø8	11,12,13	R
Ø2P	21,22	
Ø4P	19,20	
Ø6P	17,18	
Ø8P	23,24	
OLE		-
OLF		-
OLG		-
OLH		-



CONTROLLER LOGIC

PHASE NUMBER	PHASE LOCKING	DUAL ENTRY W / Ø	PHASE RECALL	PHASE ACTIVE
1				
2	X	2	MIN	X
3				
4		8		X
5				
6	X	6	MIN	X
7				
8		4		X

TYPE OF INTERCONNECT/COMMUNICATION	
NONE	
CLOSED LOOP	
TWISTED PAIR	
FIBER OPTIC*	
FIBER OPTIC (ETHERNET)	
RADIO	
CELL MODEM	X

TYPE OF COORDINATION	
NONE	
TBC	X
TRAFFIC RESPONSIVE	
ADAPTIVE	
*LOCATION OF MASTER CONTROLLER NO:	S-
SIGNAL SYSTEM NO:	SS-

TYPE OF LIGHTING	
BY OTHER AGENCY	
IN TRAFFIC CABINET	X
IN SEPARATE DOT LIGHTING CABINET	

TYPE OF PRE-EMPT	
NONE	X
RAILROAD	
EMERGENCY VEHICLE	
GTT	
TOMAR	
HARDWIRE	
OTHER	
CONFIRMATION LIGHTS	
LIFT BRIDGE	
QUEUE DETECTION	

GENERAL NOTES:

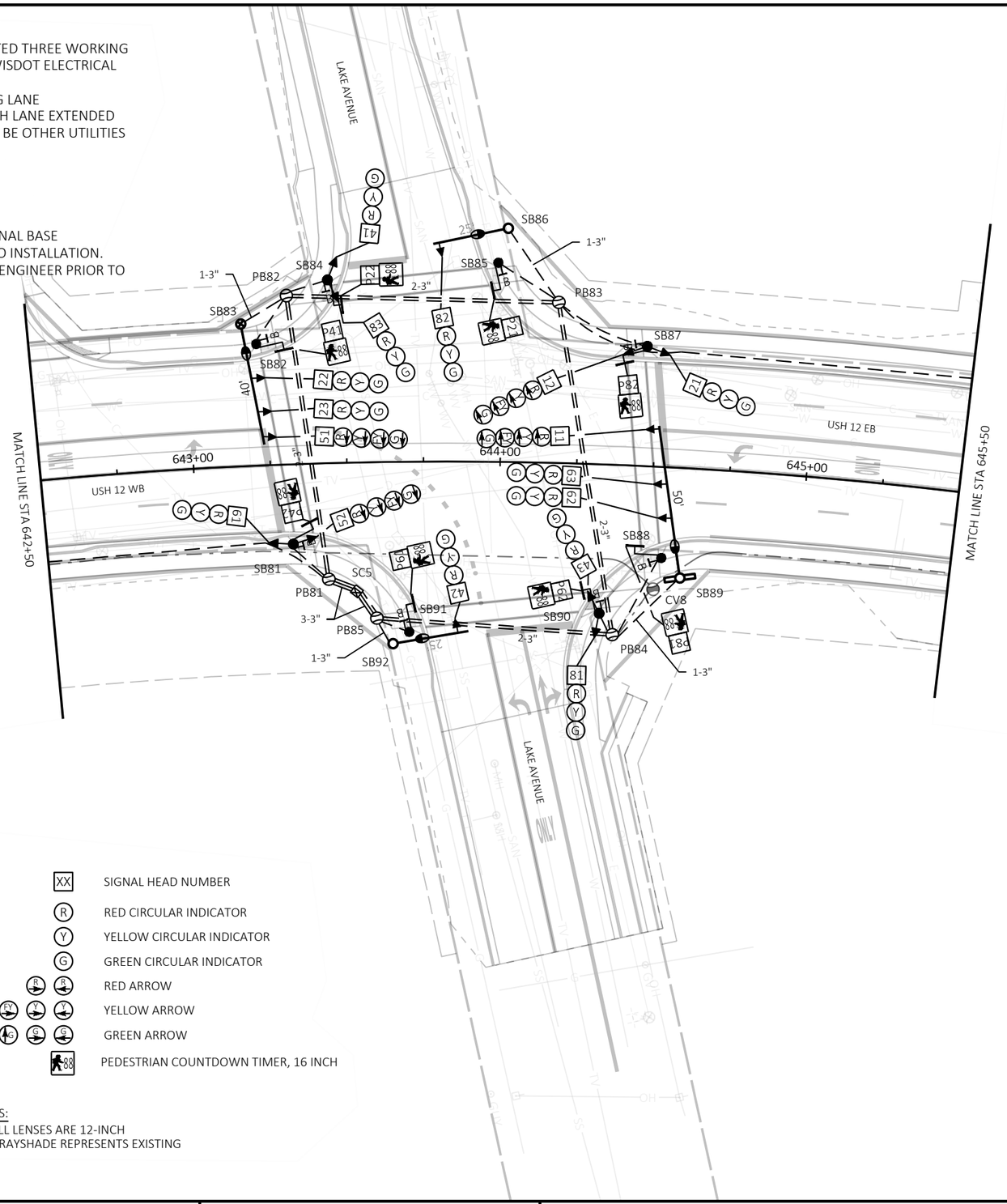
1. REFER TO TRAFFIC CONTROL PEDESTRIAN ACCOMODATIONS PLANS FOR WHERE PEDESTRIANS ARE ACCOMODATED DURING CONSTRUCTION STAGING. CONTRACTOR SHALL CONSULT THE DEPARTMENT PRIOR TO CLOSING OR ALTERING PEDESTRIAN CROSSINGS.
2. PEDESTRIAN PHASES SHALL RUN ON PUSH BUTTON ACTUATION.
3 DURING STAGE 3 SPRING 2027, OMIT VEHICULAR PHASE 2. PEDESTRIAN PHASE 2 SHALL CONTINUE TO RUN ON BUTTON ACTUATION.

US 12 & LAKE AVENUE
VILLAGE OF LAKE DELTON
SAUK COUNTY

SIGNAL NO: CABINET TYPE: TS2
CONTROLLER TYPE: ECONOLITE
DATE: 2/26 PAGE NO. 6 OF 6

GENERAL NOTES:

1) THE CONTRACTOR SHALL HAVE THE PULL BOXES AND CONDUIT INSPECTED THREE WORKING DAYS PRIOR TO PLACING SIGNAL CABLE IN TO THE SYSTEM. CONTACT WISDOT ELECTRICAL FIELD UNIT (608-785-9080) TO MAKE ARRANGEMENTS
2) CENTER HEADS CONTROLLING THROUGH MOVEMENTS OVER RECEIVING LANE
   CENTER HEADS CONTROLLING LEFT TURN MOVEMENTS OVER APPROACH LANE EXTENDED
3) THE LOCATIONS OF EXISTING UTILITIES ARE APPROXIMATE. THERE MAY BE OTHER UTILITIES WITHIN THE PROJECT WHICH ARE NOT SHOWN
4) ALL LUMINAIRES ARE LED C
5) INSTALL RETROREFLECTIVE BACKPLATES ON ALL SIGNAL HEADS
6) NON-INTRUSIVE DETECTION TO BE INSTALLED BY WISDOT
7) INSTALL CABINET AT OR ABOVE ROADWAY ELEVATION
8) GROUNDING CONDUCTOR RING SHALL BE PULLED THROUGH EVERY SIGNAL BASE
9) CONFIRM LOCATION OF ALL CONCRETE BASES WITH ENGINEER PRIOR TO INSTALLATION.
10) CONFIRM ADA COMPLIANCE OF ALL PEDESTRIAN PUSH BUTTONS WITH ENGINEER PRIOR TO INSTALLATION.



LEGEND

SERVICE POLE	SIGNAL HEAD NUMBER
CONTROL CABINET	RED CIRCULAR INDICATOR
NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED	YELLOW CIRCULAR INDICATOR
LOOP DETECTOR CONDUIT 1" NONMETALLIC	GREEN CIRCULAR INDICATOR
SIGNAL HEAD, TRAFFIC SIGNAL STANDARD, PEDESTAL BASE	RED ARROW
(XX) MONOTUBE BASE, POLE, 15'-30' ARM	YELLOW ARROW
(XX) MONOTUBE BASE, POLE, 35'-45' ARM	GREEN ARROW
(XX) MONOTUBE BASE, POLE, 35'-55' ARM	PEDESTRIAN COUNTDOWN TIMER, 16 INCH
PEDESTRIAN HEAD	
PUSH BUTTON	
PULL BOX, 24" X 42"	

NOTES:
- ALL LENSES ARE 12-INCH
- GRAYSHADE REPRESENTS EXISTING

MONOTUBE STRUCTURE NUMBERS

SB83	S-56-4005-0083
SB86	S-56-4005-0086
SB89	S-56-4005-0089
SB92	S-56-4005-0092

TRAFFIC CONTROL SIGNAL
USH 12/STH 23 & LAKE AVENUE
VILLAGE OF LAKE DELTON
SAUK COUNTY

SIGNAL NO. S56-0307
CABINET TYPE: TS2
CONTROLLER TYPE: ECONOLITE

WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVAL RECOMMENDED
DATE _____ REGION TRAFFIC ENGINEER
APPROVED
DATE _____ STATE TRAFFIC ENGINEER

REGION CONTACT: COLLIN WEBB
DESIGNED BY: COLLIN WEBB
REVISED BY:

PAGE 01 OF XX

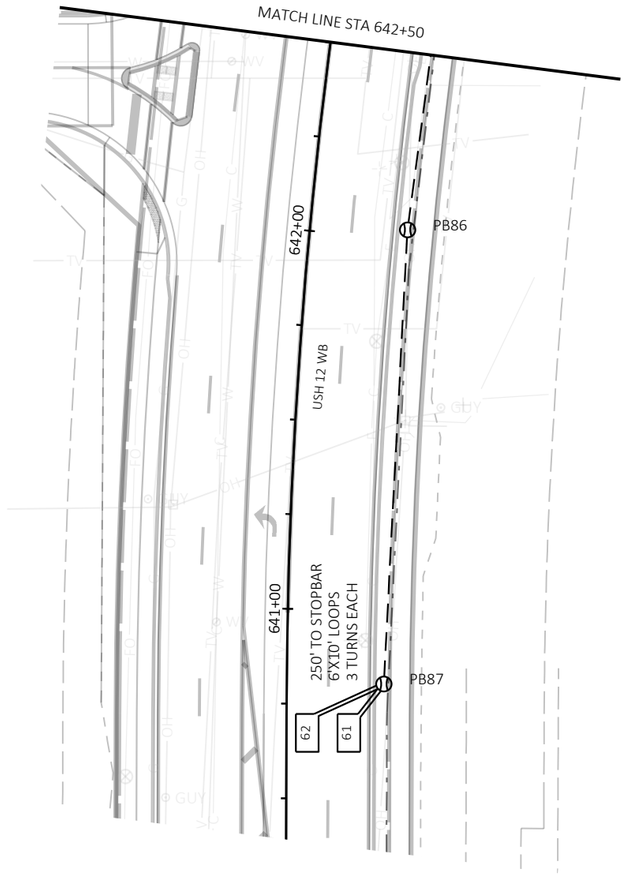
PROJECT NO: 6145-01-73	HWY: USH 12	COUNTY: SAUK	TRAFFIC SIGNAL PLAN - USH 12 & LAKE AVENUE	SHEET 383	E

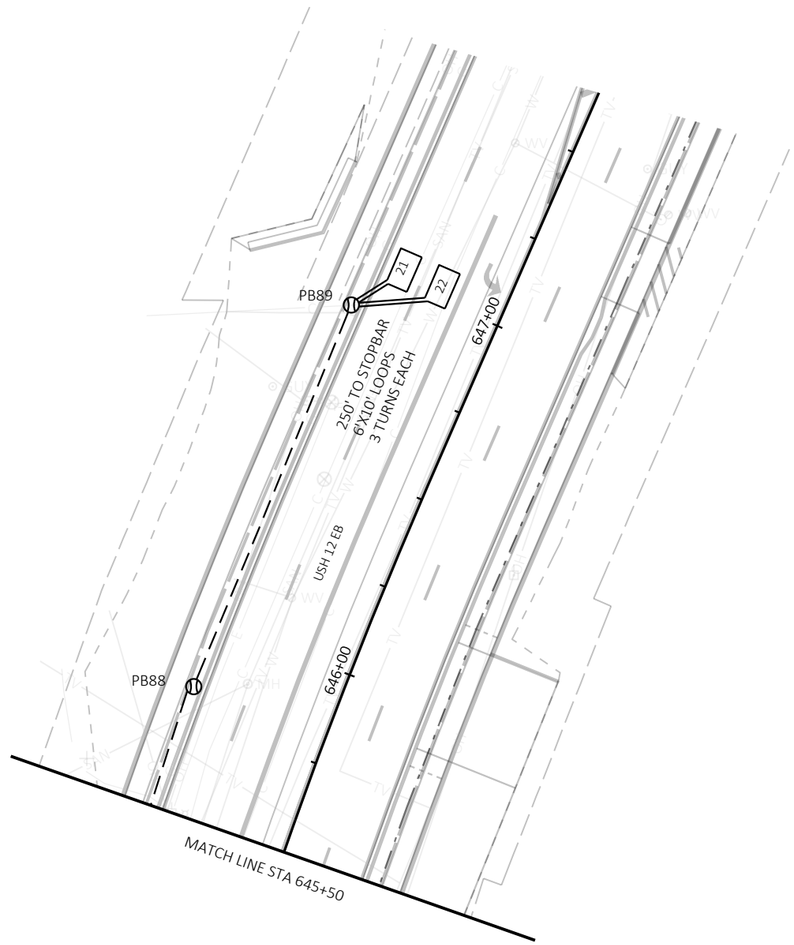
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LAYOUT NAME - 024207-sp
PLOT DATE : 5/16/2025 12:02 PM PLOT BY : WEBB, COLLIN J PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

N





TRAFFIC CONTROL SIGNAL
USH 12/STH 23 & LAKE AVENUE
VILLAGE OF LAKE DELTON
SAUK COUNTY

SIGNAL NO. S56-0307

REGION CONTACT: COLLIN WEBB
DESIGNED BY: COLLIN WEBB
REVISED BY:

PAGE 02 OF XX

PROJECT NO: 6145-01-73	HWY: USH 12	COUNTY: SAUK	TRAFFIC SIGNAL PLAN - USH 12 & LAKE AVENUE	SHEET 384	E

FILE NAME : C:\BOXDRV\BOX\DTSD-PROJECTS-PUBLIC\SWR-PROJECTS-STATE\DESIGN\61450100\TRAFFIC\ELECTRICAL\SIGNALS\CADD\SIGNAL-6145-01-00_USH12.DWG
LAYOUT NAME - 024208-sp
PLOT DATE : 5/16/2025 12:03 PM
PLOT BY : WEBB, COLLIN J
PLOT NAME :
PLOT SCALE : ##########
WISDOT/CADDS SHEET 42

USH 12/STH 23 & LAKE AVE TRAFFIC SIGNAL CABLING 14 AWG CABLE													
HOME RUN	CABLE	INDICATION/WIRE COLOR											
		BLK	WHT	RED	GRN	ORG	BLU	WHT/BLK	RED/BLK	GRN/BLK	ORG/BLK	BLU/BLK	BLK/WHT
SC5 - SB81	12/C	4-DW	NEUTRAL	6-RED	6-GRN	6-YEL	4-WALK		5-R-ARW	5-G-ARW	5-Y-ARW	5-FY-ARW	
SC5 - SB82	5/C	4-DW	NEUTRAL		4-WALK								
SC5 - SB83	12/C		NEUTRAL	2-RED	2-GRN	2-YEL			5-R-ARW	5-G-ARW	5-Y-ARW	5-FY-ARW	
SC5 - SB84	12/C	2-DW	NEUTRAL	4-RED	4-GRN	4-YEL	2-WALK		8-RED	8-GRN	8-YEL		
SC5 - SB85	5/C	2-DW	NEUTRAL		2-WALK								
SC5 - SB86	5/C		NEUTRAL	8-RED	8-GRN	8-YEL							
SC5 - SB87	12/C	8-DW	NEUTRAL	2-RED	2-GRN	2-YEL	8-WALK		1-R-ARW	1-G-ARW	1-Y-ARW	1-FY-ARW	
SC5 - SB88	5/C	8-DW	NEUTRAL		8-WALK								
SC5 - SB89	12/C		NEUTRAL	6-RED	6-GRN	6-YEL			1-R-ARW	1-G-ARW	1-Y-ARW	1-FY-ARW	
SC5 - SB90	12/C	6-DW	NEUTRAL	4-RED	4-GRN	4-YEL	6-WALK		8-RED	8-GRN	8-YEL		
SC5 - SB91	5/C	6-DW	NEUTRAL		6-WALK								
SC5 - SB92	5/C		NEUTRAL	4-RED	4-GRN	4-YEL							

USH 12/STH 23 & LAKE AVE LIGHTING CABLING UF 2-12 AWG CABLE W/ GROUND	
FROM	TO
SC4	SB83
SB83	SB86
SC4	SB92
SB92	SB89

USH 12/STH 23 & LAKE AVE EQUIPMENT GROUNDING CONDUCTORS 10 AWG GRN XLP	
FROM	TO
SC4	SB81
SB81	SB82
SB82	SB83
SB83	SB84
SB84	SB85
SB85	SB86
SB86	SB87
SB87	SB88
SB88	SB89
SB89	SB90
SB90	SB91
SB91	SB92
SB92	SC4

USH 12/STH 23 & LAKE AVE PEDESTRIAN DETECTION CABLING LOOP DETECTOR LEAD-IN CABLE	
FROM	TO
SC4	SB81
SC4	SB82
SC4	SB84
SC4	SB85
SC4	SB87
SC4	SB88
SC4	SB90
SC4	SB91

USH 12/STH 23 & LAKE AVE VIDEO DETECTION CABLING STATE-FURNISHED CAT5E CABLE	
FROM	TO
SC4	SB83
SC4	SB86
SC4	SB89
SC4	SB92

TRAFFIC CONTROL SIGNAL
USH 12/STH 23 & LAKE AVE
VILLAGE OF LAKE DELTON
SAUK COUNTY

SIGNAL NO. S56-0307

REGION CONTACT: COLLIN WEBB
DESIGNED BY: COLLIN WEBB
REVISED BY:

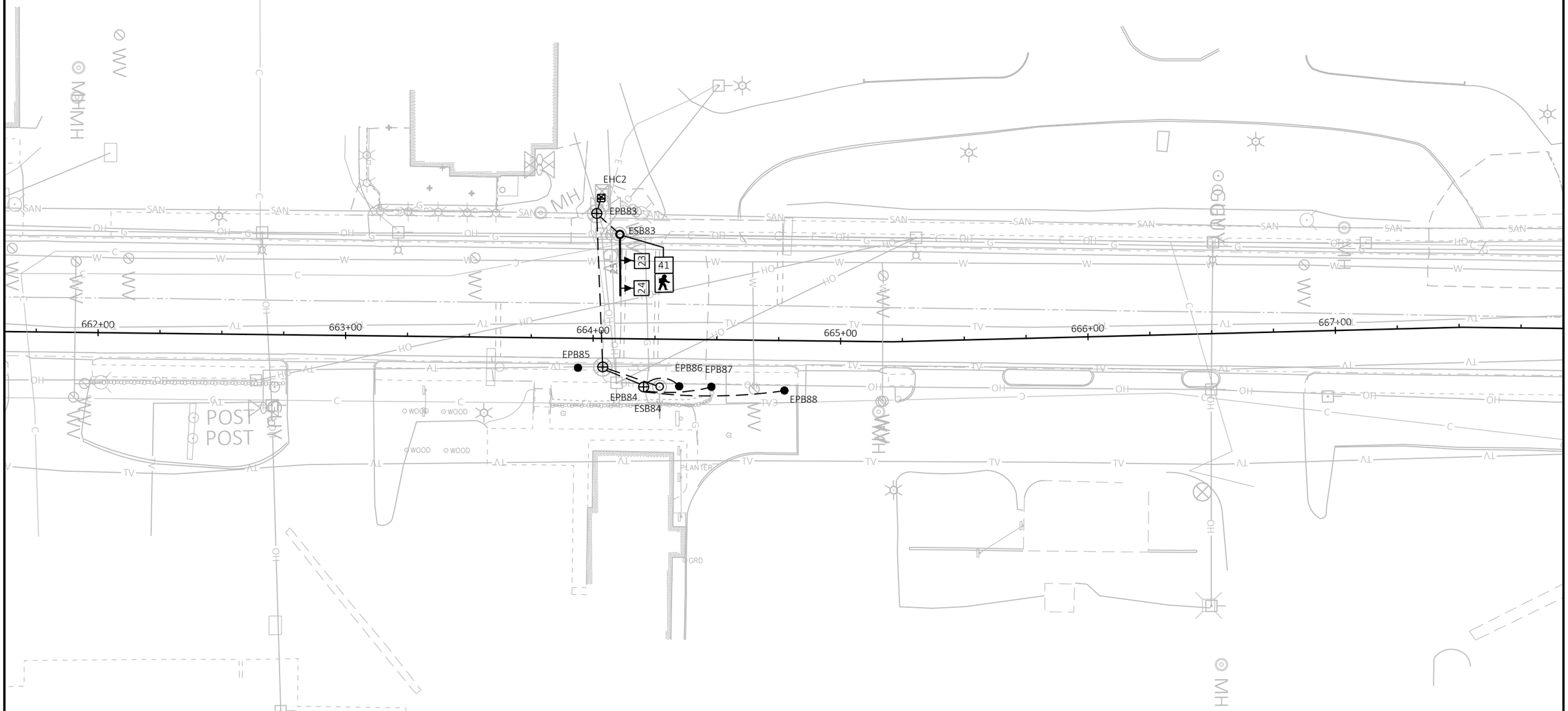
PAGE 04 OF 04

PROJECT NO: 6145-01-73	HWY: USH 12	COUNTY: SAUK	CABLE ROUTING CHART - USH 12 & LAKE AVE	SHEET 385	E

TO BE REMOVED (INFORMATIONAL ONLY):
2 - TYPE 10 CONCRETE BASE
3 - TYPE 1 CONCRETE BASE
1 - TYPE 2 CONCRETE BASE
2 - 24"X42" STEEL PULL BOX
1 - TYPE 10 POLE WITH MONOTUBE ARM AND LUMINAIRE ARM

GENERAL NOTES:
1) THE LOCATIONS OF EXISTING TRAFFIC SIGNAL EQUIPMENT ARE APPROXIMATE.
2) THE LOCATIONS OF EXISTING UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.

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PROJECT NO: 6145-01-72	HWY: USH 12	COUNTY: SAUK	TRAFFIC SIGNAL REMOVAL PLAN - USH 12 & OLYMPUS DR	SHEET 386	E

FILE NAME : C:\BOXDRV\BOX\DTSD-PROJECTS-PUBLIC\SWR-PROJECTS-STATE\DESIGN\61450100\TRAFFIC\ELECTRICAL\SIGNALS\CADD\SIGNALREMOVAL-6145-01-00_USH12.DWG
LAYOUT NAME - 024005-sr
PLOT DATE : 2/4/2026 6:03 PM
PLOT BY : WEBB, COLLIN J
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

2

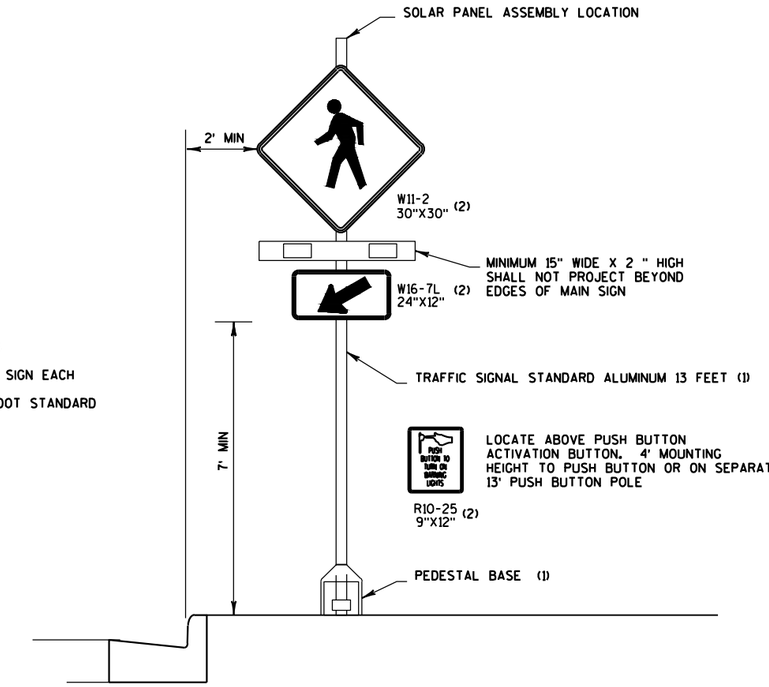
TEMPORARY RECTANGULAR RAPID FLASHING BEACON SYSTEM
USH 12 AT OLYMPUS DR

GENERAL NOTES:

(1) ITEM TO MEET REQUIREMENTS OF SECTIONS 654 AND 657 OF THE CURRENT WISDOT STANDARD SPECIFICATIONS

(2) RRFB SYSTEMS ON SIDE OF ROAD REQUIRE (1) W11-2 30"X30" SIGN, (1) W16-7L 24"X12" SIGN, (1) R10-25 9"X12" SIGN EACH

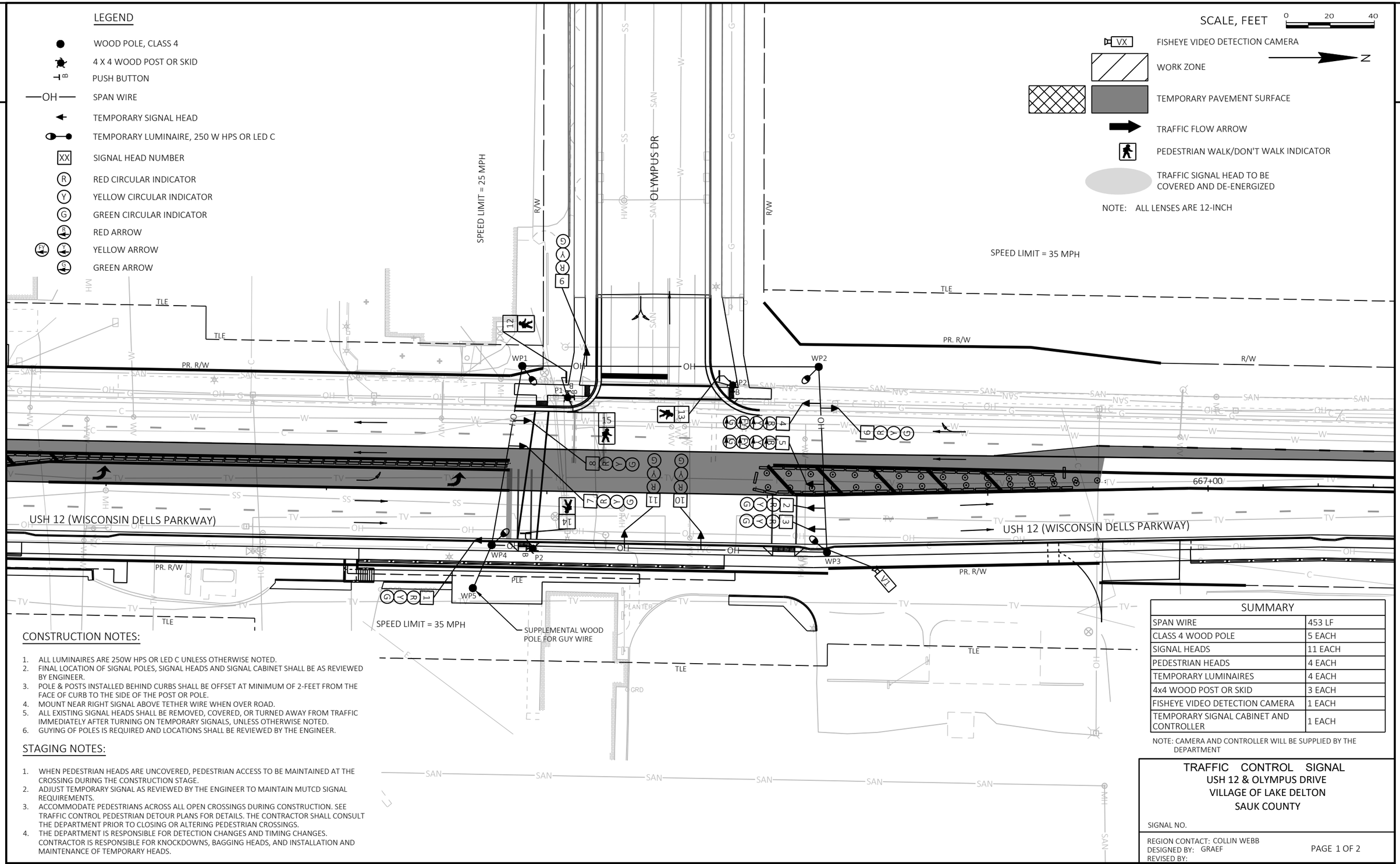
(3) RRFB SYSTEMS SHALL BE MOUNTED ON SKID TYPE TEMPORARY BASE PER SECTION 661 OF THE CURRENT WISDOT STANDARD SPECIFICATIONS AND WISDOT SDD 09G091-4G



ROADSIDE RRFB SYSTEM

PROJECT NO: 6145-01-72	HWY: USH 12	COUNTY: SAUK	CONSTRUCTION DETAILS - TEMPORARY RRFB SYSTEM - USH 12 AT OLYMPUS DR	SHEET 387	E

FILE NAME : C:\BOXDRV\BOX\DTSD-PROJECTS-PUBLIC\SWR-PROJECTS-STATE\DESIGN\61450100\TRAFFIC\ELECTRICAL\SIGNALS\CADD\TEMPRRFB.DWG
LAYOUT NAME - Plan 1 IN 40 FT
PLOT DATE : 5/16/2025 2:26 PM PLOT BY : WEBB, COLLIN J PLOT NAME : PLOT SCALE : Custom
WISDOT/CADDS SHEET 42



CONSTRUCTION NOTES:

1. ALL LUMINAIRES ARE 250W HPS OR LED C UNLESS OTHERWISE NOTED.
2. FINAL LOCATION OF SIGNAL POLES, SIGNAL HEADS AND SIGNAL CABINET SHALL BE AS REVIEWED BY ENGINEER.
3. POLE & POSTS INSTALLED BEHIND CURBS SHALL BE OFFSET AT MINIMUM OF 2-FEET FROM THE FACE OF CURB TO THE SIDE OF THE POST OR POLE.
4. MOUNT NEAR RIGHT SIGNAL ABOVE TETHER WIRE WHEN OVER ROAD.
5. ALL EXISTING SIGNAL HEADS SHALL BE REMOVED, COVERED, OR TURNED AWAY FROM TRAFFIC IMMEDIATELY AFTER TURNING ON TEMPORARY SIGNALS, UNLESS OTHERWISE NOTED.
6. GUYING OF POLES IS REQUIRED AND LOCATIONS SHALL BE REVIEWED BY THE ENGINEER.

STAGING NOTES:

1. WHEN PEDESTRIAN HEADS ARE UNCOVERED, PEDESTRIAN ACCESS TO BE MAINTAINED AT THE CROSSING DURING THE CONSTRUCTION STAGE.
2. ADJUST TEMPORARY SIGNAL AS REVIEWED BY THE ENGINEER TO MAINTAIN MUTCD SIGNAL REQUIREMENTS.
3. ACCOMMODATE PEDESTRIANS ACROSS ALL OPEN CROSSINGS DURING CONSTRUCTION. SEE TRAFFIC CONTROL PEDESTRIAN DETOUR PLANS FOR DETAILS. THE CONTRACTOR SHALL CONSULT THE DEPARTMENT PRIOR TO CLOSING OR ALTERING PEDESTRIAN CROSSINGS.
4. THE DEPARTMENT IS RESPONSIBLE FOR DETECTION CHANGES AND TIMING CHANGES. CONTRACTOR IS RESPONSIBLE FOR KNOCKDOWNS, BAGGING HEADS, AND INSTALLATION AND MAINTENANCE OF TEMPORARY HEADS.

SUMMARY	
SPAN WIRE	453 LF
CLASS 4 WOOD POLE	5 EACH
SIGNAL HEADS	11 EACH
PEDESTRIAN HEADS	4 EACH
TEMPORARY LUMINAIRES	4 EACH
4x4 WOOD POST OR SKID	3 EACH
FISHEYE VIDEO DETECTION CAMERA	1 EACH
TEMPORARY SIGNAL CABINET AND CONTROLLER	1 EACH

NOTE: CAMERA AND CONTROLLER WILL BE SUPPLIED BY THE DEPARTMENT

TRAFFIC CONTROL SIGNAL
USH 12 & OLYMPUS DRIVE
VILLAGE OF LAKE DELTON
SAUK COUNTY

SIGNAL NO.

REGION CONTACT: COLLIN WEBB
DESIGNED BY: GRAEF
REVISED BY:

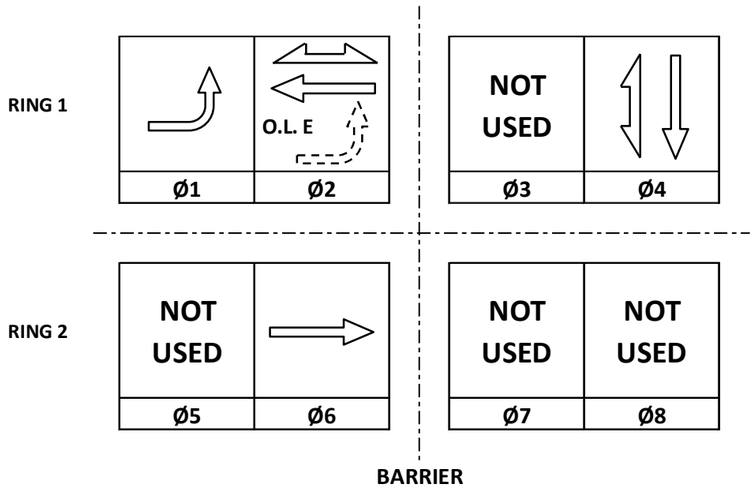
PROJECT NO: 6145-01-72/73/74	HWY: US 12	COUNTY: SAUK	TEMPORARY SIGNAL PLAN - POST STAGE 1	SHEET 388	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\TEMP SIGNALS\01B_OLYMPUS\01B_024101-ST-1POST26.DWG
LAYOUT NAME - 024101-st
PLOT DATE : 2/4/2026 8:59 AM
PLOT BY : BIEBERITZ, BEN
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

N

	HEAD NUMBERS	FLASH
Ø1	4,5	R ←
Ø2	6,7,8	R
Ø3		
Ø4	9,10,11	R
Ø5		
Ø6	1,2,3	R
Ø7		
Ø8		
Ø2P	12,13	
Ø4P	14,15	
Ø6P		
Ø8P		
OLE	4,5	-
OLF		-
OLG		-
OLH		-



CONTROLLER LOGIC

PHASE NUMBER	PHASE LOCKING	DUAL ENTRY W / Ø	PHASE RECALL	PHASE ACTIVE
1		6		X
2	X	6	MIN	X
3				
4		4		X
5				
6	X	2	MIN	X
7				
8				

TYPE OF INTERCONNECT/COMMUNICATION	
NONE	
CLOSED LOOP	
TWISTED PAIR	
FIBER OPTIC*	
FIBER OPTIC (ETHERNET)	
RADIO	
CELL MODEM	X

TYPE OF COORDINATION	
NONE	
TBC	X
TRAFFIC RESPONSIVE	
ADAPTIVE	
*LOCATION OF MASTER CONTROLLER NO:	S-
SIGNAL SYSTEM NO:	SS-

TYPE OF LIGHTING	
BY OTHER AGENCY	
IN TRAFFIC CABINET	X
IN SEPARATE DOT LIGHTING CABINET	

TYPE OF PRE-EMPT	
NONE	X
RAILROAD	
EMERGENCY VEHICLE	
GTT	
TOMAR	
HARDWIRE	
OTHER	
CONFIRMATION LIGHTS	
LIFT BRIDGE	
QUEUE DETECTION	

GENERAL NOTES:

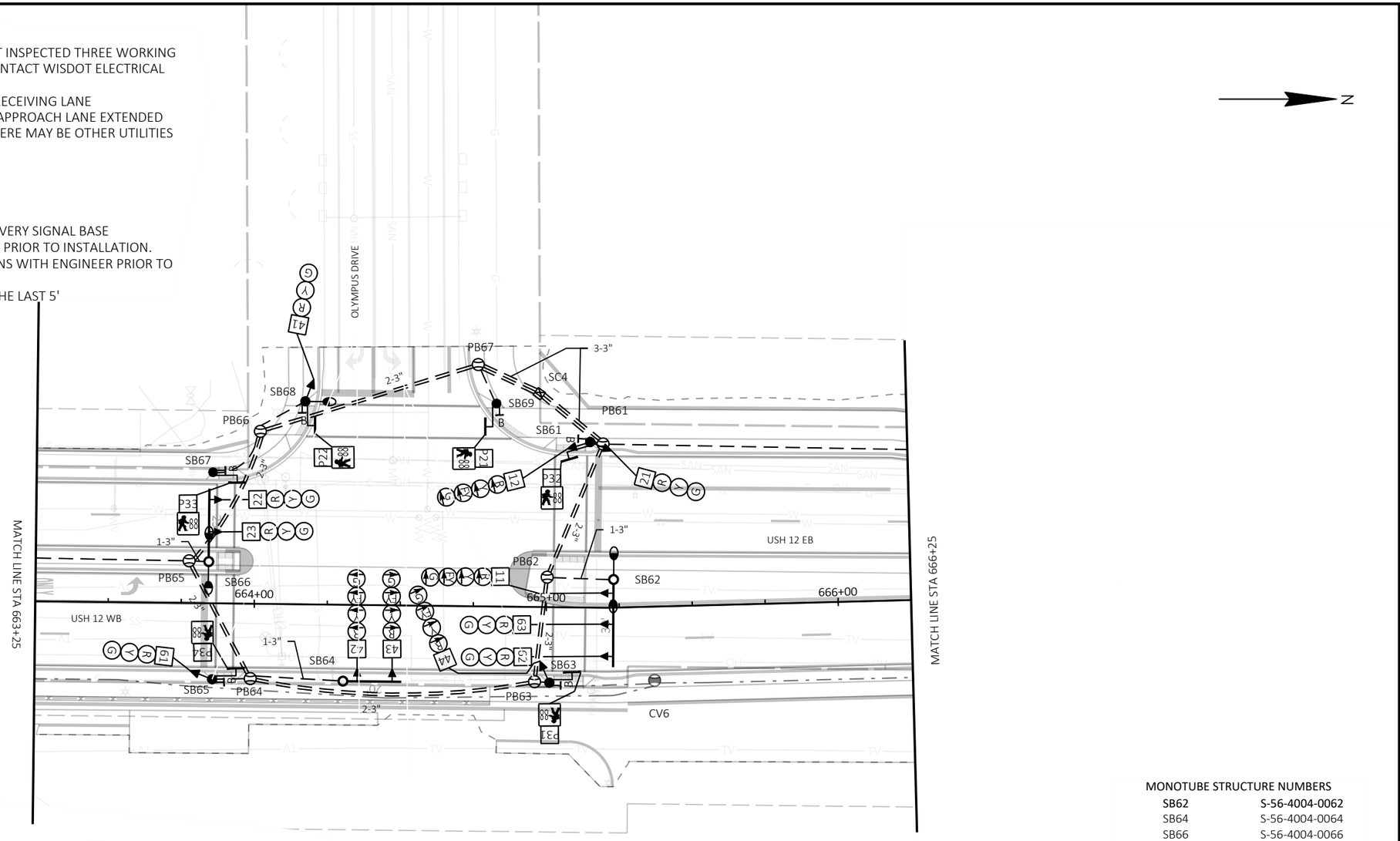
1. REFER TO TRAFFIC CONTROL PEDESTRIAN DETOUR PLANS FOR WHERE PEDESTRIANS ARE ACCOMODATED DURING CONSTRUCTION STAGING. CONTRACTOR SHALL CONSULT THE DEPARTMENT PRIOR TO CLOSING OR ALTERING PEDESTRIAN CROSSINGS.
2. PEDESTRIAN PHASES SHALL RUN ON PUSH BUTTON ACTUATION.

US 12 & OLYMPUS DRIVE
VILLAGE OF LAKE DELTON
SAUK COUNTY

SIGNAL NO: CABINET TYPE: TS2
CONTROLLER TYPE: ECONOLITE
DATE: 2/26 PAGE NO. 2 OF 2

GENERAL NOTES:

1) THE CONTRACTOR SHALL HAVE THE PULL BOXES AND CONDUIT INSPECTED THREE WORKING DAYS PRIOR TO PLACING SIGNAL CABLE IN TO THE SYSTEM. CONTACT WISDOT ELECTRICAL FIELD UNIT (608-785-9080) TO MAKE ARRANGEMENTS
2) CENTER HEADS CONTROLLING THROUGH MOVEMENTS OVER RECEIVING LANE
CENTER HEADS CONTROLLING LEFT TURN MOVEMENTS OVER APPROACH LANE EXTENDED
3) THE LOCATIONS OF EXISTING UTILITIES ARE APPROXIMATE. THERE MAY BE OTHER UTILITIES WITHIN THE PROJECT WHICH ARE NOT SHOWN
4) ALL LUMINAIRES ARE LED C
5) INSTALL RETROREFLECTIVE BACKPLATES ON ALL SIGNAL HEADS
6) NON-INTRUSIVE DETECTION TO BE INSTALLED BY WISDOT
7) INSTALL CABINET AT OR ABOVE ROADWAY ELEVATION
8) GROUNDING CONDUCTOR RING SHALL BE PULLED THROUGH EVERY SIGNAL BASE
9) CONFIRM LOCATION OF ALL CONCRETE BASES WITH ENGINEER PRIOR TO INSTALLATION.
10) CONFIRM ADA COMPLIANCE OF ALL PEDESTRIAN PUSH BUTTONS WITH ENGINEER PRIOR TO INSTALLATION.
11) FOR SB62, SB64 & SB66, HARD DRILLING IS ANTICIPATED FOR THE LAST 5'



MONOTUBE STRUCTURE NUMBERS

SB62	S-56-4004-0062
SB64	S-56-4004-0064
SB66	S-56-4004-0066

LEGEND

- SERVICE POLE
- CONTROL CABINET
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- LOOP DETECTOR CONDUIT 1" NONMETALLIC
- SIGNAL HEAD, TRAFFIC SIGNAL STANDARD, PEDESTAL BASE
- (XX) MONOTUBE BASE, POLE, 15'-30' ARM
- (XX) MONOTUBE BASE, POLE, 35'-45' ARM
- (XX) MONOTUBE BASE, POLE, 35'-55' ARM
- PEDESTRIAN HEAD
- PUSH BUTTON
- PULL BOX, 24" X 42"
- XX SIGNAL HEAD NUMBER
- R RED CIRCULAR INDICATOR
- Y YELLOW CIRCULAR INDICATOR
- G GREEN CIRCULAR INDICATOR
- RED ARROW
- YELLOW ARROW
- GREEN ARROW
- PEDESTRIAN COUNTDOWN TIMER, 16 INCH

NOTES:
- ALL LENSES ARE 12-INCH
- GRAYSHADE REPRESENTS EXISTING

TRAFFIC CONTROL SIGNAL
USH 12/STH 23 & OLYMPUS DR
VILLAGE OF LAKE DELTON
SAUK COUNTY

SIGNAL NO. S56-1421
CABINET TYPE: TS2
CONTROLLER TYPE: ECONOLITE

WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVAL RECOMMENDED
DATE _____ REGION TRAFFIC ENGINEER
APPROVED
DATE _____ STATE TRAFFIC ENGINEER

REGION CONTACT: COLLIN WEBB
DESIGNED BY: COLLIN WEBB
REVISED BY:

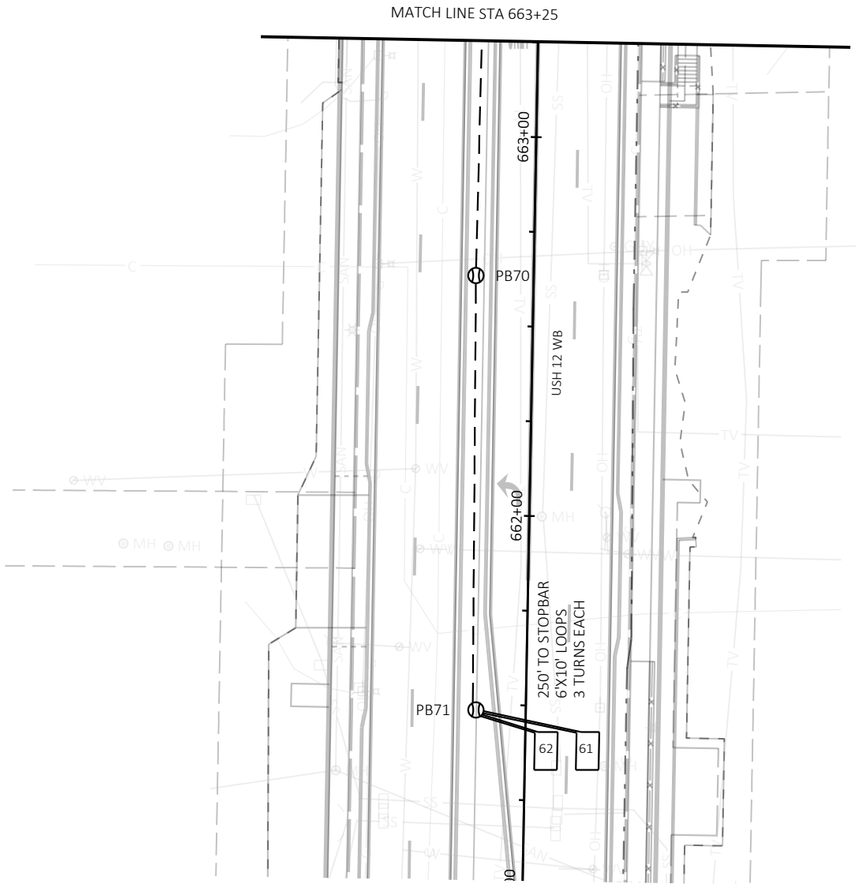
PAGE 01 OF XX

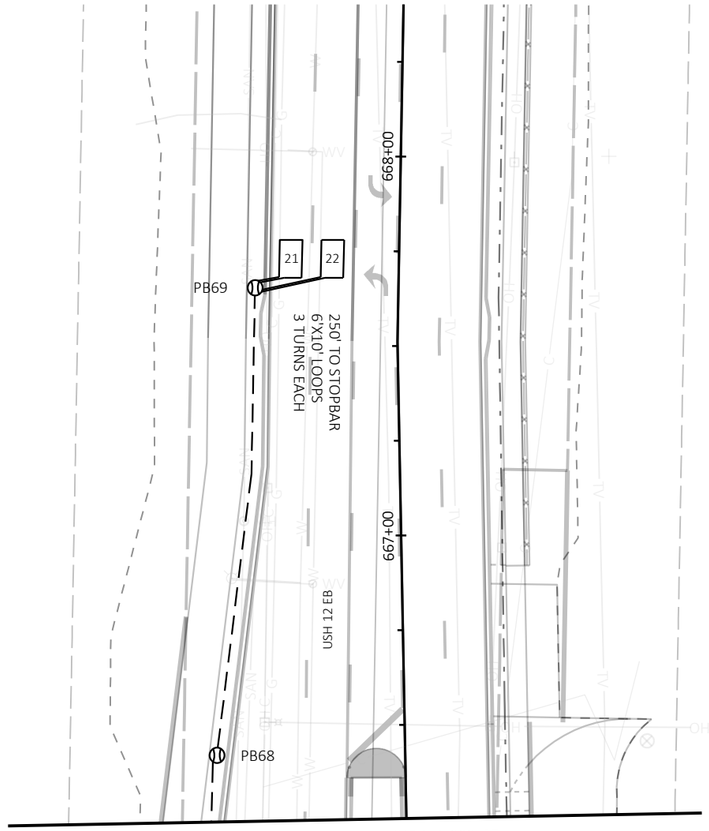
PROJECT NO: 6145-01-72	HWY: USH 12	COUNTY: SAUK	TRAFFIC SIGNAL PLAN - USH 12 & OLYMPUS DR	SHEET 390	E

FILE NAME : C:\BOXDRV\BOX\DTSD-PROJECTS-PUBLIC\SWR-PROJECTS-STATE\DESIGN\61450100\TRAFFIC\ELECTRICAL\SIGNALS\CADD\SIGNAL-6145-01-00_USH12.DWG
LAYOUT NAME - 024205-sp
PLOT DATE : 10/10/2025 1:34 PM
PLOT BY : WEBB, COLLIN J
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

N





TRAFFIC CONTROL SIGNAL
USH 12/STH 23 & OLYMPUS DR
VILLAGE OF LAKE DELTON
SAUK COUNTY

SIGNAL NO. S56-1421

REGION CONTACT: COLLIN WEBB
DESIGNED BY: COLLIN WEBB
REVISED BY:

PAGE 02 OF XX

PROJECT NO: 6145-01-72	HWY: USH 12	COUNTY: SAUK	TRAFFIC SIGNAL PLAN - USH 12 & OLYMPUS DR	SHEET 391	E

FILE NAME : C:\BOXDRV\BOX\DTSD-PROJECTS-PUBLIC\SWR-PROJECTS-STATE\DESIGN\61450100\TRAFFIC\ELECTRICAL\SIGNALS\CADD\SIGNAL-6145-01-00_USH12.DWG
LAYOUT NAME - 024206-sp

PLOT DATE : 5/16/2025 12:02 PM PLOT BY : WEBB, COLLIN J PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 42

USH 12/STH 23 & OLYMPUS DR TRAFFIC SIGNAL CABLING 14 AWG CABLE													
HOME RUN	CABLE	INDICATION/WIRE COLOR											
		BLK	WHT	RED	GRN	ORG	BLU	WHT/BLK	RED/BLK	GRN/BLK	ORG/BLK	BLU/BLK	BLK/WHT
SC4 - SB61	12/C	8-DW	NEUTRAL	2-RED	2-GRN	2-YEL	8-WALK		1-R-ARW	1-G-ARW	1-Y-ARW	1-FY-ARW	
SC4 - SB62	12/C		NEUTRAL	6-RED	6-GRN	6-YEL			1-R-ARW	1-G-ARW	1-Y-ARW	1-FY-ARW	
SC4 - SB63	9/C	8-DW	NEUTRAL	4-R-ARW	4-G-ARW	4-Y-ARW	4-FY-ARW			8-WALK			
SC4 - SB64	12/C		NEUTRAL	4-R-ARW	4-G-ARW	4-Y-ARW	4-FY-ARW		4-R-ARW	4-G-ARW	4-Y-ARW	4-FY-ARW	
SC4 - SB65	7/C	4-DW	NEUTRAL	6-RED	6-GRN	6-YEL	4-WALK						
SC4 - SB66	5/C		NEUTRAL	2-RED	2-GRN	2-YEL							
SC4 - SB67	5/C	4-DW	NEUTRAL		4-WALK								
SC4 - SB68	7/C	2-DW	NEUTRAL	4-RED	4-GRN	4-YEL	2-WALK						
SC4 - SB69	5/C	2-DW	NEUTRAL		2-WALK								

USH 12/STH 23 & OLYMPUS DR LIGHTING CABLING UF 2-12 AWG CABLE W/ GROUND	
FROM	TO
SC4	SB62
SC4	SB68
SB68	SB66

USH 12/STH 23 & OLYMPUS DR EQUIPMENT GROUNDING CONDUCTORS 10 AWG GRN XLP	
FROM	TO
SC4	SB61
SB61	SB62
SB62	SB63
SB63	SB64
SB64	SB65
SB65	SB66
SB66	SB67
SB67	SB68
SB68	SB69
SB69	SC4

USH 12/STH 23 & OLYMPUS DR PEDESTRIAN DETECTION CABLING LOOP DETECTOR LEAD-IN CABLE	
FROM	TO
SC4	SB61
SC4	SB63
SC4	SB65
SC4	SB67
SC4	SB68
SC4	SB69

USH 12/STH 23 & OLYMPUS DR VIDEO DETECTION CABLING STATE-FURNISHED CAT5E CABLE	
FROM	TO
SC4	SB62
SC4	SB64
SC4	SB66

TRAFFIC CONTROL SIGNAL
USH 12/STH 23 & OLYMPUS DR
VILLAGE OF LAKE DELTON
SAUK COUNTY

SIGNAL NO. S56-1421

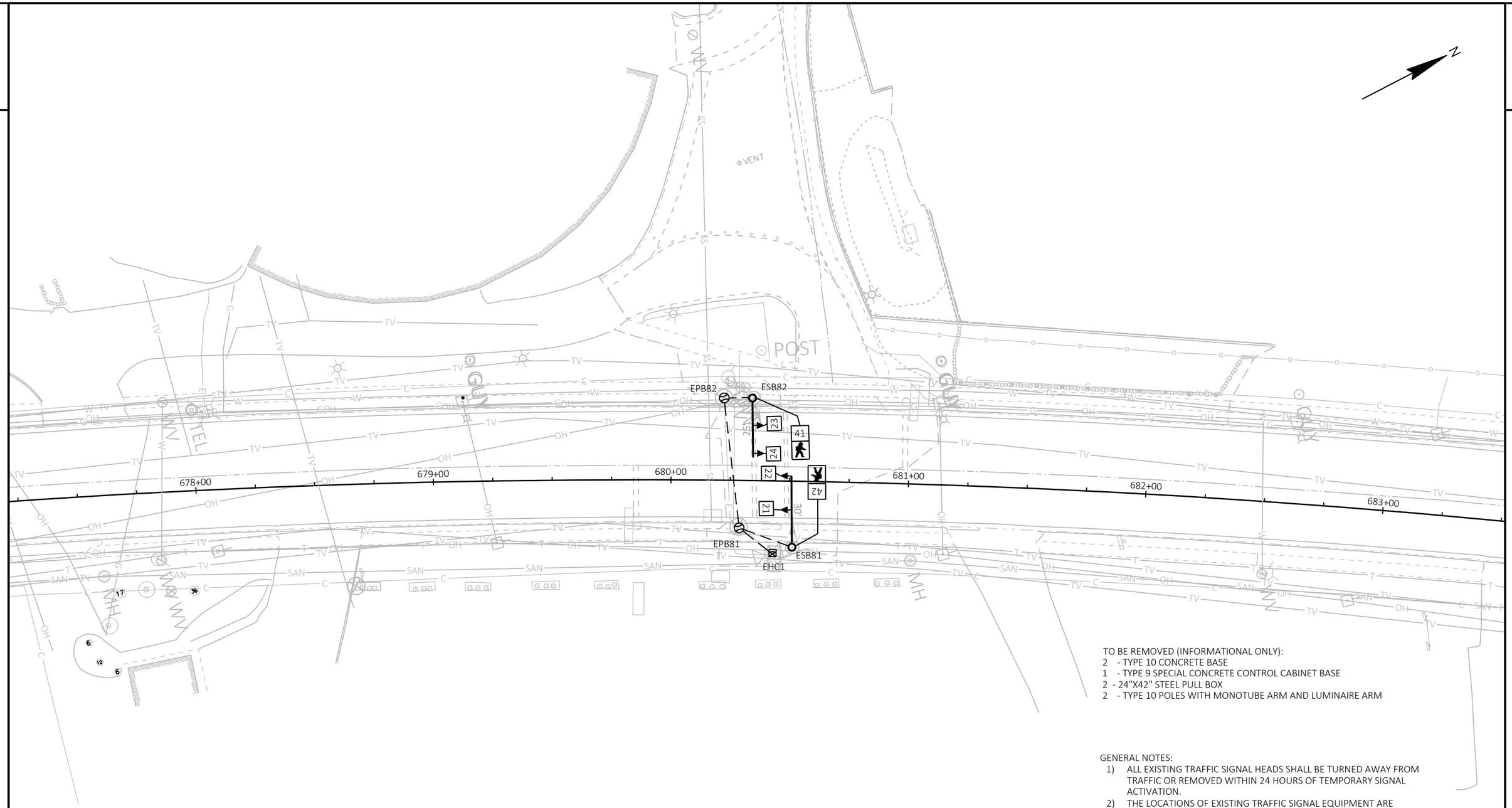
REGION CONTACT: COLLIN WEBB
DESIGNED BY: COLLIN WEBB
REVISED BY:

PAGE 04 OF 04

PROJECT NO: 6145-01-72	HWY: USH 12	COUNTY: SAUK	CABLE ROUTING CHART - USH 12 & OLYMPUS DR	SHEET 392	E

FILE NAME : C:\BOXDRV\BOX\DTSD-PROJECTS-PUBLIC\SWR-PROJECTS-STATE\DESIGN\61450100\TRAFFIC\ELECTRICAL\SIGNALS\CADD\SIGNALCABLING-6145-01-00_USH12.DWG
LAYOUT NAME - 024404-cr
PLOT DATE : 5/16/2025 3:40 PM
PLOT BY : WEBB, COLLIN J
PLOT NAME :
PLOT SCALE :

2



TO BE REMOVED (INFORMATIONAL ONLY):
2 - TYPE 10 CONCRETE BASE
1 - TYPE 9 SPECIAL CONCRETE CONTROL CABINET BASE
2 - 24"X42" STEEL PULL BOX
2 - TYPE 10 POLES WITH MONOTUBE ARM AND LUMINAIRE ARM

GENERAL NOTES:
1) ALL EXISTING TRAFFIC SIGNAL HEADS SHALL BE TURNED AWAY FROM TRAFFIC OR REMOVED WITHIN 24 HOURS OF TEMPORARY SIGNAL ACTIVATION.
2) THE LOCATIONS OF EXISTING TRAFFIC SIGNAL EQUIPMENT ARE APPROXIMATE.
3) THE LOCATIONS OF EXISTING UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.

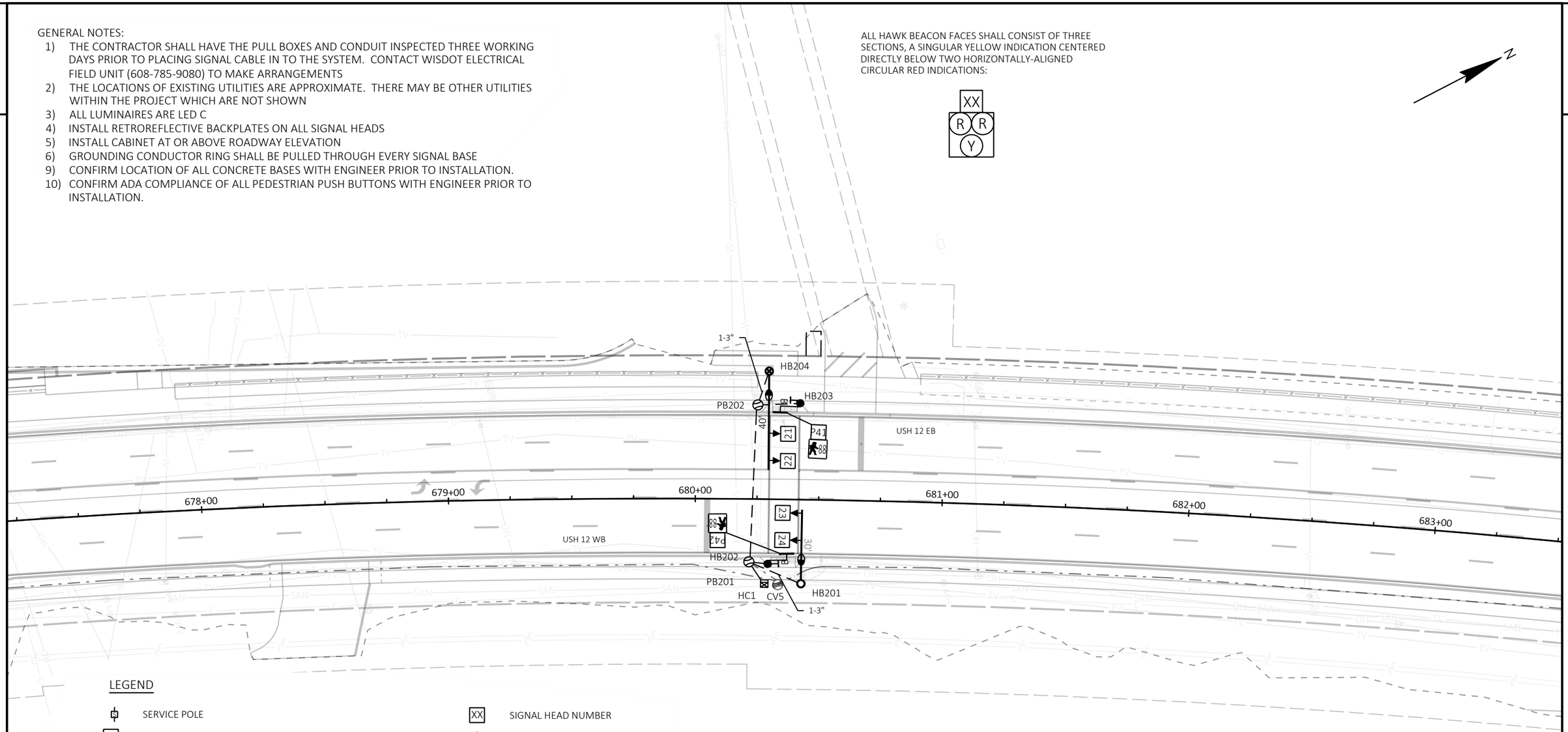
PROJECT NO: 6145-01-72	HWY: USH 12	COUNTY: SAUK	PEDESTRIAN HYBRID BEACON REMOVAL PLAN - USH 12 400' S OF BONANZA DR	SHEET 393	E

FILE NAME : C:\BOXDRV\BOX\DTSD-PROJECTS-PUBLIC\SWR-PROJECTS-STATE\DESIGN\61450100\TRAFFIC\ELECTRICAL\SIGNALS\CADD\SIGNALREMOVAL-6145-01-00_USH12.DWG
LAYOUT NAME - 024004-sr
PLOT DATE : 5/15/2025 6:55 PM
PLOT BY : WEBB, COLLIN J
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

GENERAL NOTES:

1) THE CONTRACTOR SHALL HAVE THE PULL BOXES AND CONDUIT INSPECTED THREE WORKING DAYS PRIOR TO PLACING SIGNAL CABLE IN TO THE SYSTEM. CONTACT WISDOT ELECTRICAL FIELD UNIT (608-785-9080) TO MAKE ARRANGEMENTS
2) THE LOCATIONS OF EXISTING UTILITIES ARE APPROXIMATE. THERE MAY BE OTHER UTILITIES WITHIN THE PROJECT WHICH ARE NOT SHOWN
3) ALL LUMINAIRES ARE LED C
4) INSTALL RETROREFLECTIVE BACKPLATES ON ALL SIGNAL HEADS
5) INSTALL CABINET AT OR ABOVE ROADWAY ELEVATION
6) GROUNDING CONDUCTOR RING SHALL BE PULLED THROUGH EVERY SIGNAL BASE
9) CONFIRM LOCATION OF ALL CONCRETE BASES WITH ENGINEER PRIOR TO INSTALLATION.
10) CONFIRM ADA COMPLIANCE OF ALL PEDESTRIAN PUSH BUTTONS WITH ENGINEER PRIOR TO INSTALLATION.

ALL HAWK BEACON FACES SHALL CONSIST OF THREE SECTIONS, A SINGULAR YELLOW INDICATION CENTERED DIRECTLY BELOW TWO HORIZONTALLY-ALIGNED CIRCULAR RED INDICATIONS:



LEGEND

- SERVICE POLE
- CONTROL CABINET
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- LOOP DETECTOR CONDUIT 1" NONMETALLIC
- SIGNAL HEAD, TRAFFIC SIGNAL STANDARD, PEDESTAL BASE
- (XX) MONOTUBE BASE, POLE, 15'-30' ARM
- (XX) MONOTUBE BASE, POLE, 35'-45' ARM
- (XX) MONOTUBE BASE, POLE, 35'-55' ARM
- PEDESTRIAN HEAD
- PUSH BUTTON
- PULL BOX, 24" X 42"
- XX SIGNAL HEAD NUMBER
- R RED CIRCULAR INDICATOR
- Y YELLOW CIRCULAR INDICATOR
- 88 PEDESTRIAN COUNTDOWN TIMER, 16 INCH

NOTES:

- ALL LENSES ARE 12-INCH
- GRAYSHADE REPRESENTS EXISTING

MONOTUBE STRUCTURE NUMBERS

HB201	S-56-4006-0001
HB204	S-56-4006-0004

PROJECT NO: 6145-01-72	HWY: USH 12	COUNTY: SAUK	PEDESTRIAN HYBRID BEACON - USH 12 400' S OF BONANZA DR	SHEET 394	E

FILE NAME : C:\BOXDRV\BOX\DTSD-PROJECTS-PUBLIC\SWR-PROJECTS-STATE\DESIGN\61450100\TRAFFIC\ELECTRICAL\SIGNALS\CADD\SIGNAL-6145-01-00_USH12.DWG
LAYOUT NAME - 024209-sp
PLOT DATE : 5/16/2025 12:03 PM PLOT BY : WEBB, COLLIN J PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

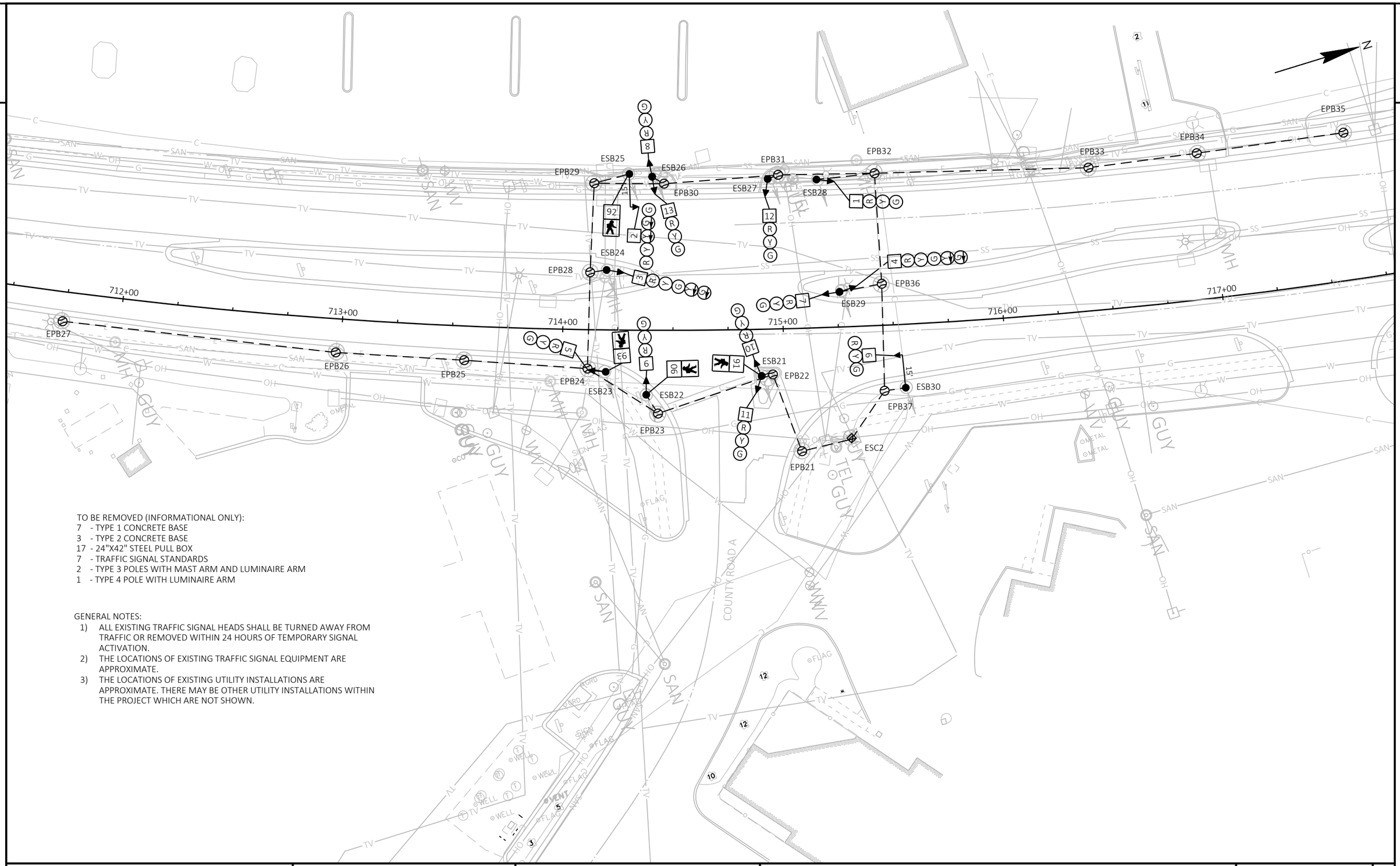
USH 12/STH 23 400' S OF BONANZA DR TRAFFIC SIGNAL CABLING 14 AWG CABLE								
HOME RUN	CABLE	INDICATION/WIRE COLOR						
		BLK	WHT	RED	GRN	ORG	BLU	WHT/BLK
HC1 - HB201	7/C		NEUTRAL	2-R-RT	2-R-LT	2-Y		
HC1 - HB202	5/C	4-DW	NEUTRAL		4-WALK			
HC1 - HB203	5/C	4-DW	NEUTRAL		4-WALK			
HC1 - HB204	7/C		NEUTRAL	2-R-RT	2-R-LT	2-Y		

USH 12/STH 23 400' S OF BONANZA DR LIGHTING CABLING UF 2-12 AWG CABLE W/ GROUND	
FROM	TO
HC1	HB201
HB201	HB205

USH 12/STH 23 400' S OF BONANZA DR EQUIPMENT GROUNDING CONDUCTORS 10 AWG GRN XLP	
FROM	TO
HC1	HB201
HB201	HB202
HB202	HB203
HB203	HB204
HB204	HC1

USH 12/STH 23 400' S OF BONANZA DR PEDESTRIAN DETECTION CABLING LOOP DETECTOR LEAD-IN CABLE	
FROM	TO
HC1	HB202
HC1	HB204

2

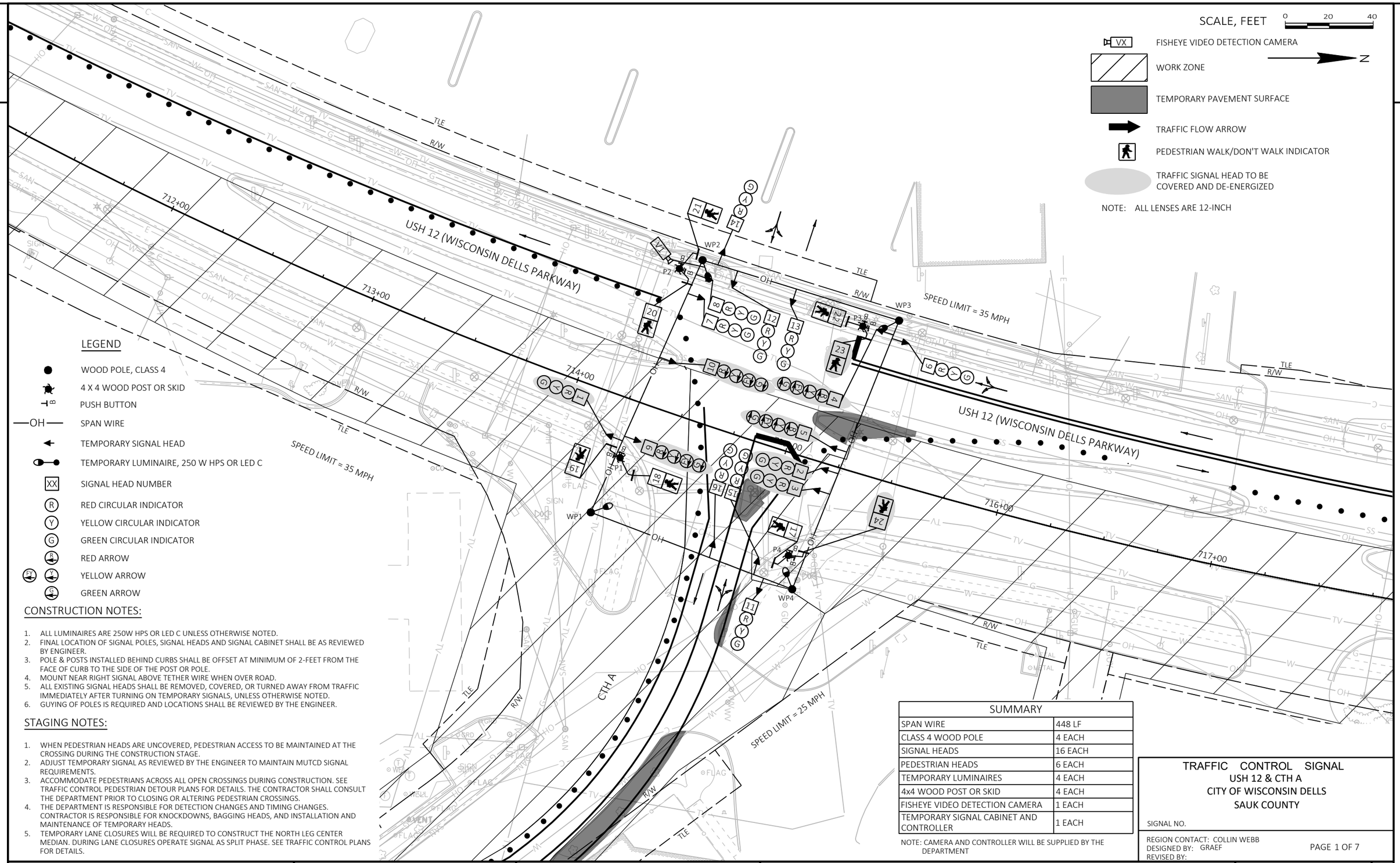


TO BE REMOVED (INFORMATIONAL ONLY):
7 - TYPE 1 CONCRETE BASE
3 - TYPE 2 CONCRETE BASE
17 - 24"X42" STEEL PULL BOX
7 - TRAFFIC SIGNAL STANDARDS
2 - TYPE 3 POLES WITH MAST ARM AND LUMINAIRE ARM
1 - TYPE 4 POLE WITH LUMINAIRE ARM

GENERAL NOTES:
1) ALL EXISTING TRAFFIC SIGNAL HEADS SHALL BE TURNED AWAY FROM TRAFFIC OR REMOVED WITHIN 24 HOURS OF TEMPORARY SIGNAL ACTIVATION.
2) THE LOCATIONS OF EXISTING TRAFFIC SIGNAL EQUIPMENT ARE APPROXIMATE.
3) THE LOCATIONS OF EXISTING UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.

PROJECT NO: 6145-01-74	HWY: USH 12	COUNTY: SAUK	TRAFFIC SIGNAL REMOVAL PLAN - USH 12 & CTH A	SHEET 396	E

FILE NAME : C:\BOXDRV\BOX\DTSD-PROJECTS-PUBLIC\SWR-PROJECTS-STATE\DESIGN\61450100\TRAFFIC\ELECTRICAL\SIGNALS\CADD\SIGNALREMOVAL-6145-01-00_USH12.DWG
LAYOUT NAME - 024002-sr
PLOT DATE : 5/15/2025 6:55 PM
PLOT BY : WEBB, COLLIN J
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42



CONSTRUCTION NOTES:

1. ALL LUMINAIRES ARE 250W HPS OR LED C UNLESS OTHERWISE NOTED.
2. FINAL LOCATION OF SIGNAL POLES, SIGNAL HEADS AND SIGNAL CABINET SHALL BE AS REVIEWED BY ENGINEER.
3. POLE & POSTS INSTALLED BEHIND CURBS SHALL BE OFFSET AT MINIMUM OF 2-FEET FROM THE FACE OF CURB TO THE SIDE OF THE POST OR POLE.
4. MOUNT NEAR RIGHT SIGNAL ABOVE TETHER WIRE WHEN OVER ROAD.
5. ALL EXISTING SIGNAL HEADS SHALL BE REMOVED, COVERED, OR TURNED AWAY FROM TRAFFIC IMMEDIATELY AFTER TURNING ON TEMPORARY SIGNALS, UNLESS OTHERWISE NOTED.
6. GUYING OF POLES IS REQUIRED AND LOCATIONS SHALL BE REVIEWED BY THE ENGINEER.

STAGING NOTES:

1. WHEN PEDESTRIAN HEADS ARE UNCOVERED, PEDESTRIAN ACCESS TO BE MAINTAINED AT THE CROSSING DURING THE CONSTRUCTION STAGE.
2. ADJUST TEMPORARY SIGNAL AS REVIEWED BY THE ENGINEER TO MAINTAIN MUTCD SIGNAL REQUIREMENTS.
3. ACCOMMODATE PEDESTRIANS ACROSS ALL OPEN CROSSINGS DURING CONSTRUCTION. SEE TRAFFIC CONTROL PEDESTRIAN DETOUR PLANS FOR DETAILS. THE CONTRACTOR SHALL CONSULT THE DEPARTMENT PRIOR TO CLOSING OR ALTERING PEDESTRIAN CROSSINGS.
4. THE DEPARTMENT IS RESPONSIBLE FOR DETECTION CHANGES AND TIMING CHANGES. CONTRACTOR IS RESPONSIBLE FOR KNOCKDOWNS, BAGGING HEADS, AND INSTALLATION AND MAINTENANCE OF TEMPORARY HEADS.
5. TEMPORARY LANE CLOSURES WILL BE REQUIRED TO CONSTRUCT THE NORTH LEG CENTER MEDIAN. DURING LANE CLOSURES OPERATE SIGNAL AS SPLIT PHASE. SEE TRAFFIC CONTROL PLANS FOR DETAILS.

SUMMARY	
SPAN WIRE	448 LF
CLASS 4 WOOD POLE	4 EACH
SIGNAL HEADS	16 EACH
PEDESTRIAN HEADS	6 EACH
TEMPORARY LUMINAIRES	4 EACH
4x4 WOOD POST OR SKID	4 EACH
FISHEYE VIDEO DETECTION CAMERA	1 EACH
TEMPORARY SIGNAL CABINET AND CONTROLLER	1 EACH

NOTE: CAMERA AND CONTROLLER WILL BE SUPPLIED BY THE DEPARTMENT

TRAFFIC CONTROL SIGNAL
USH 12 & CTH A
CITY OF WISCONSIN DELLS
SAUK COUNTY

SIGNAL NO.

REGION CONTACT: COLLIN WEBB
DESIGNED BY: GRAEF
REVISED BY:

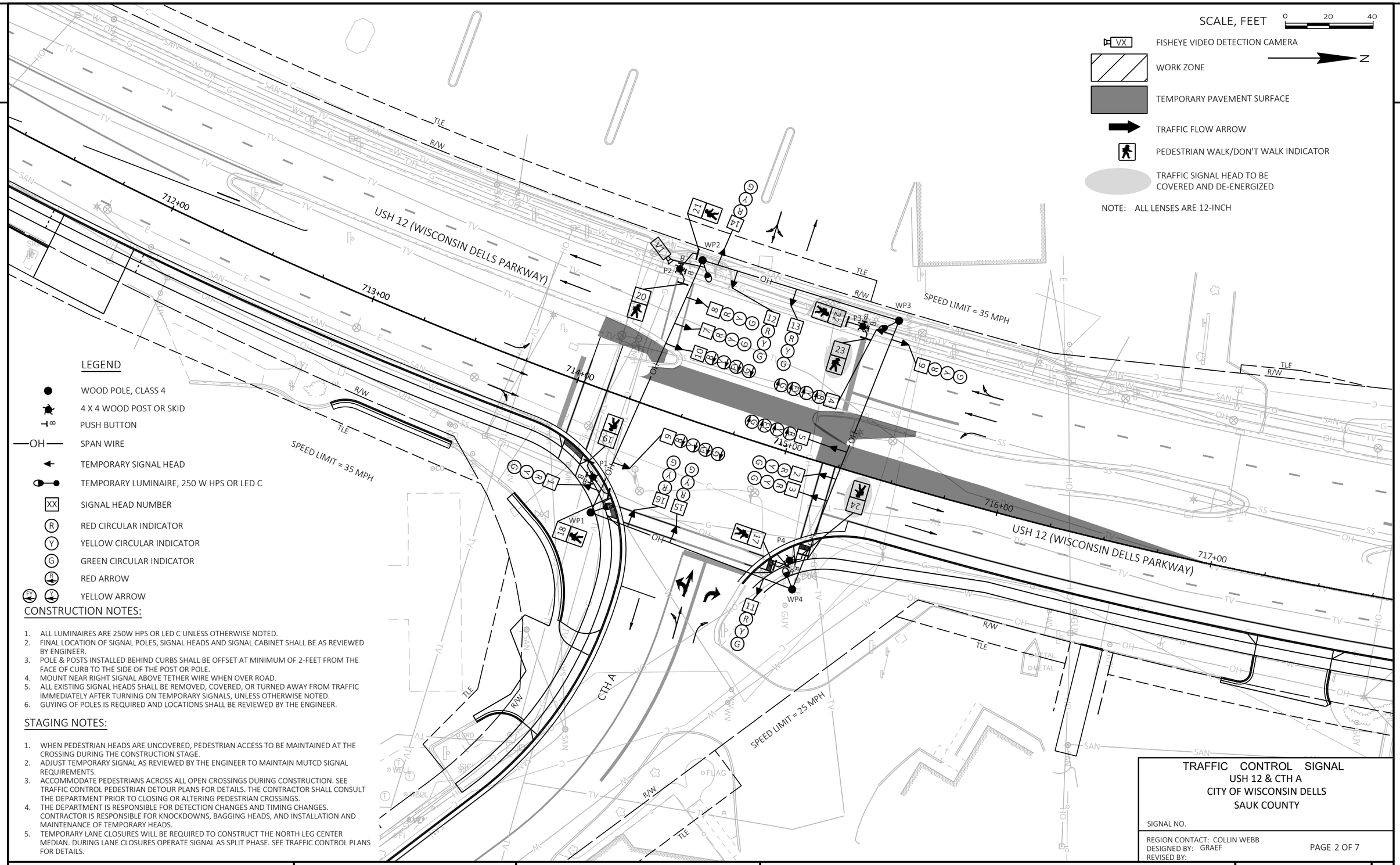
PAGE 1 OF 7

PROJECT NO: 6145-01-72/73/74	HWY: US 12	COUNTY: SAUK	TEMPORARY SIGNAL PLAN - STAGE 1	SHEET 397	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\TEMP SIGNALS\03_CTH A\03_024101-ST-1SPRING26.DWG
LAYOUT NAME - 024101-st

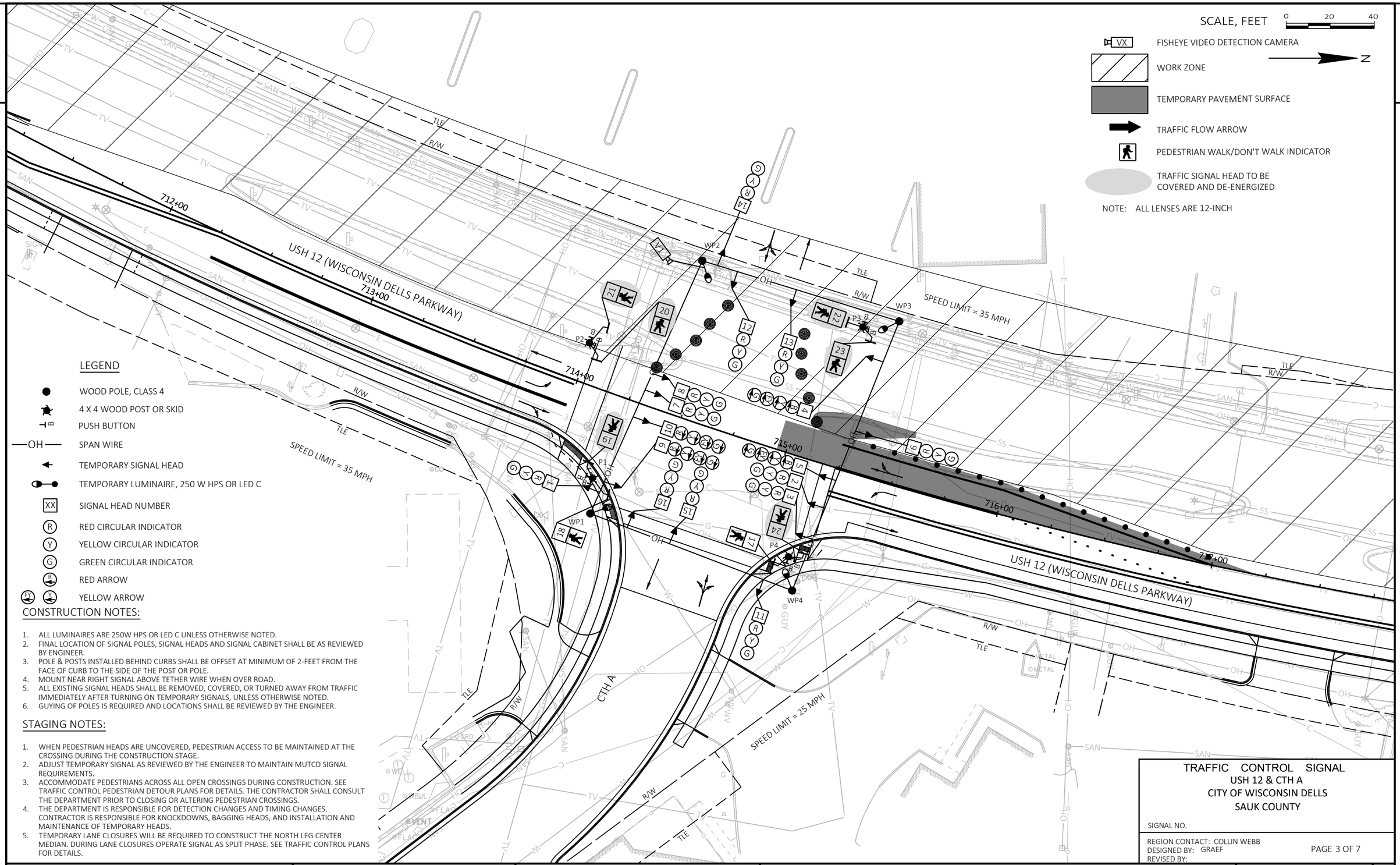
PLOT DATE : 2/3/2026 10:51 AM PLOT BY : BIEBERITZ, BEN PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42



PROJECT NO: 6145-01-72/73/74	HWY: US 12	COUNTY: SAUK	TEMPORARY SIGNAL PLAN - POST STAGE 1	SHEET 398	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\TEMP SIGNALS\03_CTH A\03_024101-ST-1POST26.DWG
LAYOUT NAME - 024101-st
PLOT DATE : 2/3/2026 10:52 AM PLOT BY : BIEBERITZ, BEN PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42



CONSTRUCTION NOTES:

1. ALL LUMINAIRES ARE 250W HPS OR LED C UNLESS OTHERWISE NOTED.
2. FINAL LOCATION OF SIGNAL POLES, SIGNAL HEADS AND SIGNAL CABINET SHALL BE AS REVIEWED BY ENGINEER.
3. POLE & POSTS INSTALLED BEHIND CURBS SHALL BE OFFSET AT MINIMUM OF 2-FEET FROM THE FACE OF CURB TO THE SIDE OF THE POST OR POLE.
4. MOUNT NEAR RIGHT SIGNAL ABOVE TETHER WIRE WHEN OVER ROAD.
5. ALL EXISTING SIGNAL HEADS SHALL BE REMOVED, COVERED, OR TURNED AWAY FROM TRAFFIC IMMEDIATELY AFTER TURNING ON TEMPORARY SIGNALS, UNLESS OTHERWISE NOTED.
6. GUYING OF POLES IS REQUIRED AND LOCATIONS SHALL BE REVIEWED BY THE ENGINEER.

STAGING NOTES:

1. WHEN PEDESTRIAN HEADS ARE UNCOVERED, PEDESTRIAN ACCESS TO BE MAINTAINED AT THE CROSSING DURING THE CONSTRUCTION STAGE.
2. ADJUST TEMPORARY SIGNAL AS REVIEWED BY THE ENGINEER TO MAINTAIN MUTCD SIGNAL REQUIREMENTS.
3. ACCOMMODATE PEDESTRIANS ACROSS ALL OPEN CROSSINGS DURING CONSTRUCTION. SEE TRAFFIC CONTROL PEDESTRIAN DETOUR PLANS FOR DETAILS. THE CONTRACTOR SHALL CONSULT THE DEPARTMENT PRIOR TO CLOSING OR ALTERING PEDESTRIAN CROSSINGS.
4. THE DEPARTMENT IS RESPONSIBLE FOR DETECTION CHANGES AND TIMING CHANGES. CONTRACTOR IS RESPONSIBLE FOR KNOCKDOWNS, BAGGING HEADS, AND INSTALLATION AND MAINTENANCE OF TEMPORARY HEADS.
5. TEMPORARY LANE CLOSURES WILL BE REQUIRED TO CONSTRUCT THE NORTH LEG CENTER MEDIAN. DURING LANE CLOSURES OPERATE SIGNAL AS SPLIT PHASE. SEE TRAFFIC CONTROL PLANS FOR DETAILS.

TRAFFIC CONTROL SIGNAL
USH 12 & CTH A
CITY OF WISCONSIN DELLS
SAUK COUNTY

SIGNAL NO.

REGION CONTACT: COLLIN WEBB
DESIGNED BY: GRAEF
REVISED BY:

PROJECT NO: 6145-01-72/73/74	HWY: US 12	COUNTY: SAUK	TEMPORARY SIGNAL PLAN - STAGE 2	SHEET 399	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\TEMP SIGNALS\03_CTH A\03_024101-ST-2FALL26.DWG
LAYOUT NAME - 024101-st
PLOT DATE : 2/3/2026 10:52 AM
PLOT BY : BIEBERITZ, BEN
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

SCALE, FEET 0 20 40

VX FISHEYE VIDEO DETECTION CAMERA

N

WORK ZONE

TEMPORARY PAVEMENT SURFACE

TRAFFIC FLOW ARROW

PEDESTRIAN WALK/DON'T WALK INDICATOR

TRAFFIC SIGNAL HEAD TO BE COVERED AND DE-ENERGIZED

NOTE: ALL LENSES ARE 12-INCH

LEGEND

- WOOD POLE, CLASS 4
- 4 X 4 WOOD POST OR SKID
- B PUSH BUTTON
- OH SPAN WIRE
- TEMPORARY SIGNAL HEAD
- TEMPORARY LUMINAIRE, 250 W HPS OR LED C
- XX SIGNAL HEAD NUMBER
- R RED CIRCULAR INDICATOR
- Y YELLOW CIRCULAR INDICATOR
- G GREEN CIRCULAR INDICATOR
- R RED ARROW
- FY Y YELLOW ARROW
- G GREEN ARROW

CONSTRUCTION NOTES:

1. ALL LUMINAIRES ARE 250W HPS OR LED C UNLESS OTHERWISE NOTED.
2. FINAL LOCATION OF SIGNAL POLES, SIGNAL HEADS AND SIGNAL CABINET SHALL BE AS REVIEWED BY ENGINEER.
3. POLE & POSTS INSTALLED BEHIND CURBS SHALL BE OFFSET AT MINIMUM OF 2-FEET FROM THE FACE OF CURB TO THE SIDE OF THE POST OR POLE.
4. MOUNT NEAR RIGHT SIGNAL ABOVE TETHER WIRE WHEN OVER ROAD.
5. ALL EXISTING SIGNAL HEADS SHALL BE REMOVED, COVERED, OR TURNED AWAY FROM TRAFFIC IMMEDIATELY AFTER TURNING ON TEMPORARY SIGNALS, UNLESS OTHERWISE NOTED.
6. GUYING OF POLES IS REQUIRED AND LOCATIONS SHALL BE REVIEWED BY THE ENGINEER.

STAGING NOTES:

1. WHEN PEDESTRIAN HEADS ARE UNCOVERED, PEDESTRIAN ACCESS TO BE MAINTAINED AT THE CROSSING DURING THE CONSTRUCTION STAGE.
2. ADJUST TEMPORARY SIGNAL AS REVIEWED BY THE ENGINEER TO MAINTAIN MUTCD SIGNAL REQUIREMENTS.
3. ACCOMMODATE PEDESTRIANS ACROSS ALL OPEN CROSSINGS DURING CONSTRUCTION. SEE TRAFFIC CONTROL PEDESTRIAN DETOUR PLANS FOR DETAILS. THE CONTRACTOR SHALL CONSULT THE DEPARTMENT PRIOR TO CLOSING OR ALTERING PEDESTRIAN CROSSINGS.
4. THE DEPARTMENT IS RESPONSIBLE FOR DETECTION CHANGES AND TIMING CHANGES. CONTRACTOR IS RESPONSIBLE FOR KNOCKDOWNS, BAGGING HEADS, AND INSTALLATION AND MAINTENANCE OF TEMPORARY HEADS.
5. TEMPORARY LANE CLOSURES WILL BE REQUIRED TO CONSTRUCT THE NORTH LEG CENTER MEDIAN. DURING LANE CLOSURES OPERATE SIGNAL AS SPLIT PHASE. SEE TRAFFIC CONTROL PLANS FOR DETAILS.

USH 12 (WISCONSIN DELLS PARKWAY)

CTH A

SPEED LIMIT = 35 MPH

SPEED LIMIT = 25 MPH

WP1 WP2 WP3 WP4

P2 P3 P4

912+00 712+00 714+00 914+00 715+00 916+00 716+00 717+00

TLE R/W OH

TRAFFIC CONTROL SIGNAL
USH 12 & CTH A
CITY OF WISCONSIN DELLS
SAUK COUNTY

SIGNAL NO.

REGION CONTACT: COLLIN WEBB
DESIGNED BY: GRAEF
REVISED BY:

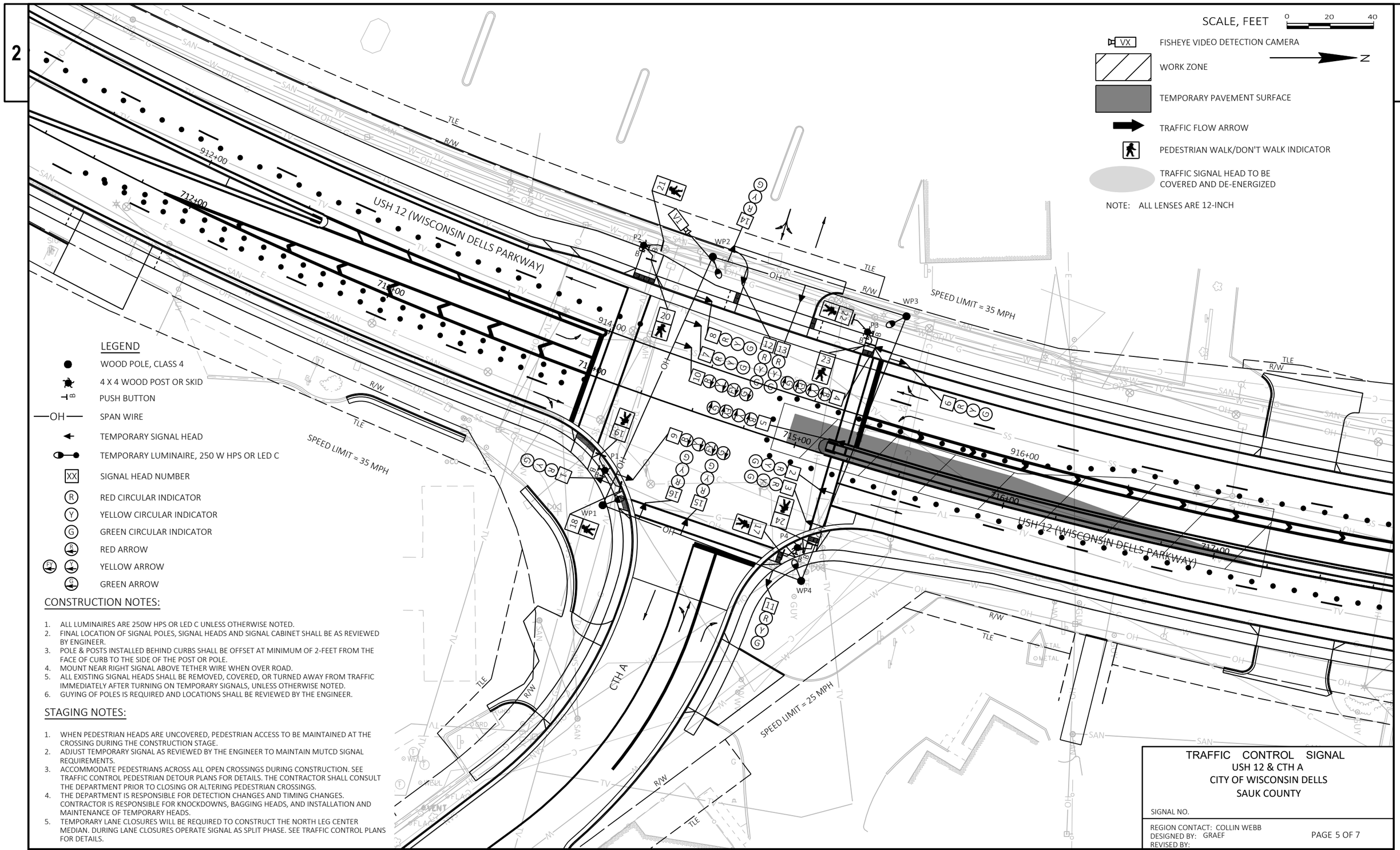
PAGE 4 OF 7

PROJECT NO: 6145-01-72/73/74	HWY: US 12	COUNTY: SAUK	TEMPORARY SIGNAL PLAN - STAGE 3A	SHEET 400	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\TEMP SIGNALS\03_CTH A\03_024101-ST-3SPRING27.DWG
LAYOUT NAME - 024101-st

PLOT DATE : 2/3/2026 10:53 AM PLOT BY : BIEBERITZ, BEN PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42



CONSTRUCTION NOTES:

1. ALL LUMINAIRES ARE 250W HPS OR LED C UNLESS OTHERWISE NOTED.
2. FINAL LOCATION OF SIGNAL POLES, SIGNAL HEADS AND SIGNAL CABINET SHALL BE AS REVIEWED BY ENGINEER.
3. POLE & POSTS INSTALLED BEHIND CURBS SHALL BE OFFSET AT MINIMUM OF 2-FEET FROM THE FACE OF CURB TO THE SIDE OF THE POST OR POLE.
4. MOUNT NEAR RIGHT SIGNAL ABOVE TETHER WIRE WHEN OVER ROAD.
5. ALL EXISTING SIGNAL HEADS SHALL BE REMOVED, COVERED, OR TURNED AWAY FROM TRAFFIC IMMEDIATELY AFTER TURNING ON TEMPORARY SIGNALS, UNLESS OTHERWISE NOTED.
6. GUYING OF POLES IS REQUIRED AND LOCATIONS SHALL BE REVIEWED BY THE ENGINEER.

STAGING NOTES:

1. WHEN PEDESTRIAN HEADS ARE UNCOVERED, PEDESTRIAN ACCESS TO BE MAINTAINED AT THE CROSSING DURING THE CONSTRUCTION STAGE.
2. ADJUST TEMPORARY SIGNAL AS REVIEWED BY THE ENGINEER TO MAINTAIN MUTCD SIGNAL REQUIREMENTS.
3. ACCOMMODATE PEDESTRIANS ACROSS ALL OPEN CROSSINGS DURING CONSTRUCTION. SEE TRAFFIC CONTROL PEDESTRIAN DETOUR PLANS FOR DETAILS. THE CONTRACTOR SHALL CONSULT THE DEPARTMENT PRIOR TO CLOSING OR ALTERING PEDESTRIAN CROSSINGS.
4. THE DEPARTMENT IS RESPONSIBLE FOR DETECTION CHANGES AND TIMING CHANGES. CONTRACTOR IS RESPONSIBLE FOR KNOCKDOWNS, BAGGING HEADS, AND INSTALLATION AND MAINTENANCE OF TEMPORARY HEADS.
5. TEMPORARY LANE CLOSURES WILL BE REQUIRED TO CONSTRUCT THE NORTH LEG CENTER MEDIAN. DURING LANE CLOSURES OPERATE SIGNAL AS SPLIT PHASE. SEE TRAFFIC CONTROL PLANS FOR DETAILS.

TRAFFIC CONTROL SIGNAL
USH 12 & CTH A
CITY OF WISCONSIN DELLS
SAUK COUNTY

SIGNAL NO.

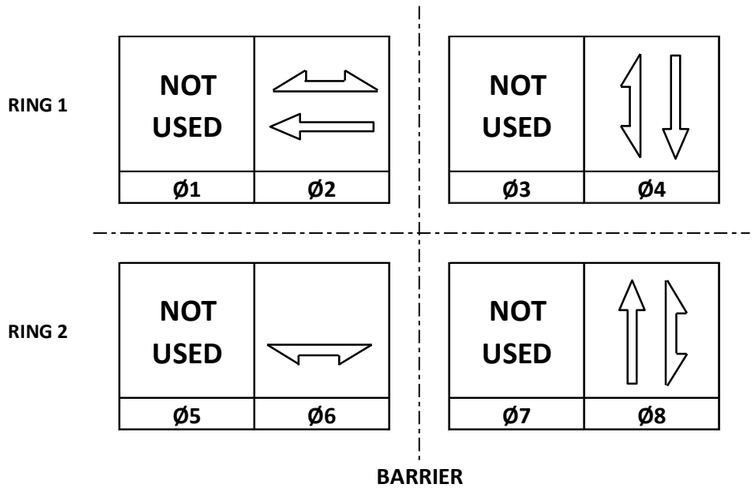
REGION CONTACT: COLLIN WEBB
DESIGNED BY: GRAEF
REVISED BY:

PROJECT NO: 6145-01-72/73/74	HWY: US 12	COUNTY: SAUK	TEMPORARY SIGNAL PLAN - STAGE 3 (MEDIAN CLOSURE)	SHEET 401	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\TEMP SIGNALS\03_CTH A\03_024101-ST-3SPRING27-MEDIANCLOSURE.DWG
LAYOUT NAME - 024101-st
PLOT DATE : 2/3/2026 10:53 AM PLOT BY : BIEBERITZ, BEN PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

	HEAD NUMBERS	FLASH
Ø1		
Ø2	6,7,8	R
Ø3		
Ø4	14,15,16	R
Ø5		
Ø6		
Ø7		
Ø8	11,12,13	R
Ø2P	21,22	
Ø4P	19,20	
Ø6P	17,18	
Ø8P	23,24	
OLE		-
OLF		-
OLG		-
OLH		-





CONTROLLER LOGIC

PHASE NUMBER	PHASE LOCKING	DUAL ENTRY W / Ø	PHASE RECALL	PHASE ACTIVE
1				
2	X	2	MIN	X
3				
4		8		X
5				
6		2	---	
7				
8		4		X

TYPE OF INTERCONNECT/COMMUNICATION	
NONE	
CLOSED LOOP	
TWISTED PAIR	
FIBER OPTIC*	
FIBER OPTIC (ETHERNET)	
RADIO	
CELL MODEM	X

TYPE OF COORDINATION	
NONE	
TBC	X
TRAFFIC RESPONSIVE	
ADAPTIVE	
*LOCATION OF MASTER CONTROLLER NO:	S-
SIGNAL SYSTEM NO:	SS-

TYPE OF LIGHTING	
BY OTHER AGENCY	
IN TRAFFIC CABINET	X
IN SEPARATE DOT LIGHTING CABINET	

TYPE OF PRE-EMPT	
NONE	X
RAILROAD	
EMERGENCY VEHICLE	
GTT	
TOMAR	
HARDWIRE	
OTHER	
CONFIRMATION LIGHTS	
LIFT BRIDGE	
QUEUE DETECTION	

GENERAL NOTES:

1. REFER TO TRAFFIC CONTROL PEDESTRIAN ACCOMODATIONS PLANS FOR WHERE PEDESTRIANS ARE ACCOMODATED DURING CONSTRUCTION STAGING. CONTRACTOR SHALL CONSULT THE DEPARTMENT PRIOR TO CLOSING OR ALTERING PEDESTRIAN CROSSINGS.
2. PEDESTRIAN PHASES SHALL RUN ON PUSH BUTTON ACTUATION.

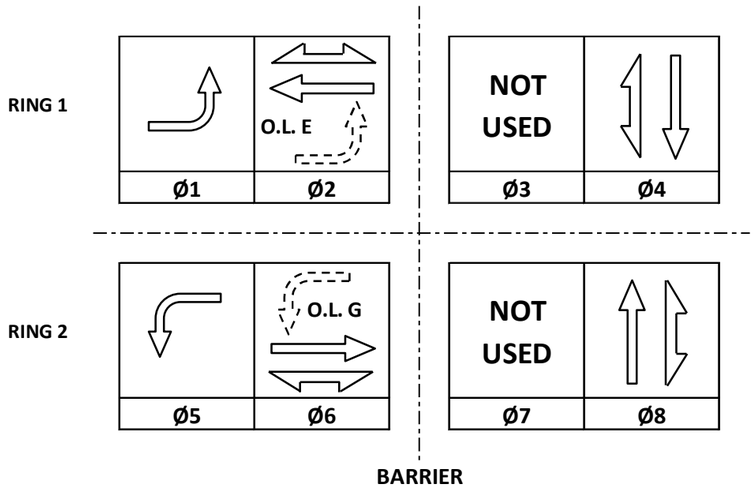
US 12 & CTH A
CITY OF WISCONSIN DELLS
SAUK COUNTY

SIGNAL NO: CABINET TYPE: TS2
CONTROLLER TYPE: ECONOLITE
DATE: 2/26 PAGE NO. 6 OF 7

2

	HEAD NUMBERS	FLASH
Ø1	4,5	R ←
Ø2	6,7,8	R
Ø3		
Ø4	14,15,16	R
Ø5	9,10	R ←
Ø6	1,2,3	R
Ø7		
Ø8	11,12,13	R
Ø2P	21,22	
Ø4P	19,20	
Ø6P	17,18	
Ø8P	23,24	
OLE	4,5	-
OLF		-
OLG	9,10	-
OLH		-





CONTROLLER LOGIC

PHASE NUMBER	PHASE LOCKING	DUAL ENTRY W / Ø	PHASE RECALL	PHASE ACTIVE
1		5		X
2	X	6	MIN	X
3				
4		8		X
5		1		X
6	X	2	MIN	X
7				
8		4		X

TYPE OF INTERCONNECT/COMMUNICATION	
NONE	
CLOSED LOOP	
TWISTED PAIR	
FIBER OPTIC*	
FIBER OPTIC (ETHERNET)	
RADIO	
CELL MODEM	X

TYPE OF COORDINATION	
NONE	
TBC	X
TRAFFIC RESPONSIVE	
ADAPTIVE	
*LOCATION OF MASTER CONTROLLER NO:	S-
SIGNAL SYSTEM NO:	SS-

TYPE OF LIGHTING	
BY OTHER AGENCY	
IN TRAFFIC CABINET	X
IN SEPARATE DOT LIGHTING CABINET	

TYPE OF PRE-EMPT	
NONE	X
RAILROAD	
EMERGENCY VEHICLE	
GTT	
TOMAR	
HARDWIRE	
OTHER	
CONFIRMATION LIGHTS	
LIFT BRIDGE	
QUEUE DETECTION	

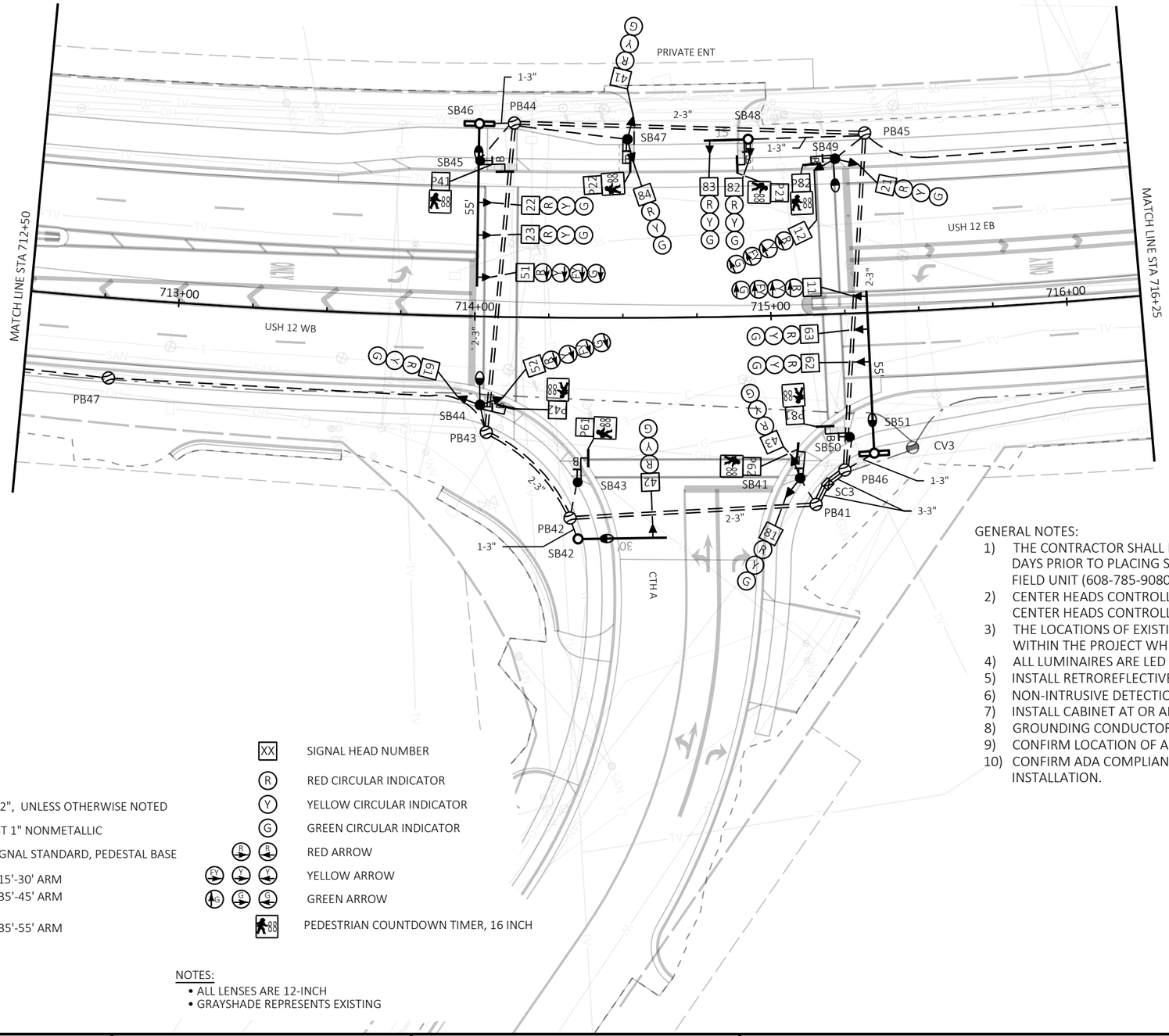
GENERAL NOTES:

1. REFER TO TRAFFIC CONTROL PEDESTRIAN ACCOMODATIONS PLANS FOR WHERE PEDESTRIANS ARE ACCOMODATED DURING CONSTRUCTION STAGING. CONTRACTOR SHALL CONSULT THE DEPARTMENT PRIOR TO CLOSING OR ALTERING PEDESTRIAN CROSSINGS.
2. PEDESTRIAN PHASES SHALL RUN ON PUSH BUTTON ACTUATION.

US 12 & CTH A
CITY OF WISCONSIN DELLS
SAUK COUNTY

SIGNAL NO: CABINET TYPE: TS2
CONTROLLER TYPE: ECONOLITE
DATE: 2/26 PAGE NO. 7 OF 7

2



MONOTUBE STRUCTURE NUMBERS

SB42	**S-56-4003-0042**
SB46	S-56-4003-0046
SB48	S-56-4003-0048
SB51	S-56-4003-0051

LEGEND

- SERVICE POLE
- CONTROL CABINET
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- LOOP DETECTOR CONDUIT 1" NONMETALLIC
- SIGNAL HEAD, TRAFFIC SIGNAL STANDARD, PEDESTAL BASE
- (XX) MONOTUBE BASE, POLE, 15'-30' ARM
- (XX) MONOTUBE BASE, POLE, 35'-45' ARM
- (XX) MONOTUBE BASE, POLE, 35'-55' ARM
- PEDESTRIAN HEAD
- PUSH BUTTON
- PULL BOX, 24" X 42"
- XX SIGNAL HEAD NUMBER
- R RED CIRCULAR INDICATOR
- Y YELLOW CIRCULAR INDICATOR
- G GREEN CIRCULAR INDICATOR
- RED ARROW
- YELLOW ARROW
- GREEN ARROW
- PEDESTRIAN COUNTDOWN TIMER, 16 INCH

NOTES:
- ALL LENSES ARE 12-INCH
- GRAYSHADE REPRESENTS EXISTING

GENERAL NOTES:
1) THE CONTRACTOR SHALL HAVE THE PULL BOXES AND CONDUIT INSPECTED THREE WORKING DAYS PRIOR TO PLACING SIGNAL CABLE IN TO THE SYSTEM. CONTACT WISDOT ELECTRICAL FIELD UNIT (608-785-9080) TO MAKE ARRANGEMENTS
2) CENTER HEADS CONTROLLING THROUGH MOVEMENTS OVER RECEIVING LANE
   CENTER HEADS CONTROLLING LEFT TURN MOVEMENTS OVER APPROACH LANE EXTENDED
3) THE LOCATIONS OF EXISTING UTILITIES ARE APPROXIMATE. THERE MAY BE OTHER UTILITIES WITHIN THE PROJECT WHICH ARE NOT SHOWN
4) ALL LUMINAIRES ARE LED C
5) INSTALL RETROREFLECTIVE BACKPLATES ON ALL SIGNAL HEADS
6) NON-INTRUSIVE DETECTION TO BE INSTALLED BY WISDOT
7) INSTALL CABINET AT OR ABOVE ROADWAY ELEVATION
8) GROUNDING CONDUCTOR RING SHALL BE PULLED THROUGH EVERY SIGNAL BASE
9) CONFIRM LOCATION OF ALL CONCRETE BASES WITH ENGINEER PRIOR TO INSTALLATION.
10) CONFIRM ADA COMPLIANCE OF ALL PEDESTRIAN PUSH BUTTONS WITH ENGINEER PRIOR TO INSTALLATION.

TRAFFIC CONTROL SIGNAL
USH 12/STH 23 & CTH A
CITY OF WISCONSIN DELLS
SAUK COUNTY

SIGNAL NO. S56-0522
CABINET TYPE: TS2
CONTROLLER TYPE: ECONOLITE

WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVAL RECOMMENDED
DATE _____ REGION TRAFFIC ENGINEER
APPROVED
DATE _____ STATE TRAFFIC ENGINEER

REGION CONTACT: COLLIN WEBB
DESIGNED BY: COLLIN WEBB
REVISED BY:

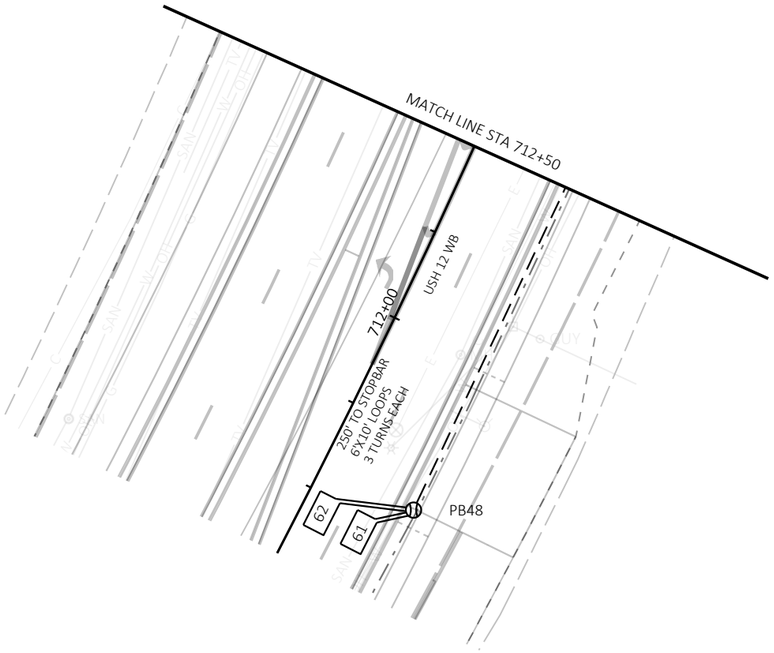
PAGE 01 OF XX

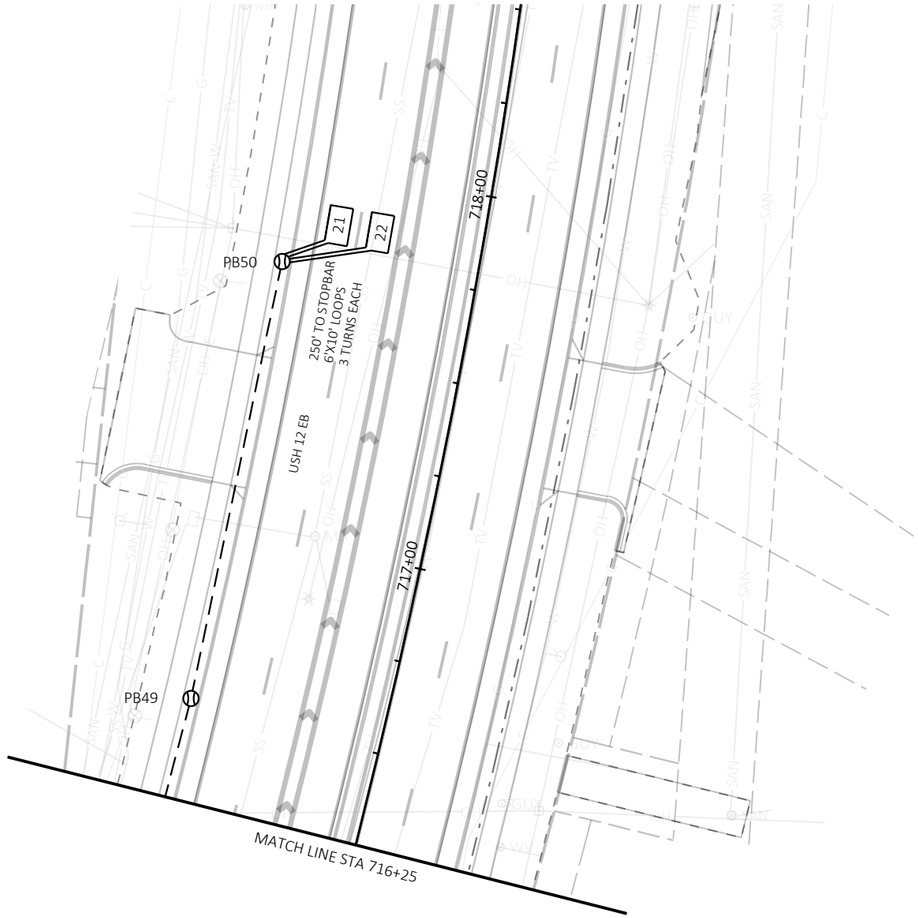
PROJECT NO: 6145-01-74	HWY: USH 12	COUNTY: SAUK	TRAFFIC SIGNAL PLAN - USH 12 & CTH A	SHEET 404	E

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LAYOUT NAME - 024203-sp
PLOT DATE : 5/16/2025 12:02 PM
PLOT BY : WEBB, COLLIN J
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

N





TRAFFIC CONTROL SIGNAL
USH 12/STH 23 & CTH A
CITY OF WISCONSIN DELLS
SAUK COUNTY

SIGNAL NO. S56-0522

REGION CONTACT: COLLIN WEBB
DESIGNED BY: COLLIN WEBB
REVISED BY:

PAGE 02 OF XX

PROJECT NO: 6145-01-74	HWY: USH 12	COUNTY: SAUK	TRAFFIC SIGNAL PLAN - USH 12 & CTH A	SHEET 405	E

FILE NAME : C:\BOXDRV\BOX\DTSD-PROJECTS-PUBLIC\SWR-PROJECTS-STATE\DESIGN\61450100\TRAFFIC\ELECTRICAL\SIGNALS\CADD\SIGNAL-6145-01-00_USH12.DWG
LAYOUT NAME - 024204-sp
PLOT DATE : 5/16/2025 12:02 PM
PLOT BY : WEBB, COLLIN J
PLOT NAME :
PLOT SCALE : ##########

USH 12/STH 23 & CTH A TRAFFIC SIGNAL CABLING 14 AWG CABLE													
HOME RUN	CABLE	INDICATION/WIRE COLOR											
		BLK	WHT	RED	GRN	ORG	BLU	WHT/BLK	RED/BLK	GRN/BLK	ORG/BLK	BLU/BLK	BLK/WHT
SC3 - SB41	12/C	6-DW	NEUTRAL	4-RED	4-GRN	4-YEL	6-WALK		8-RED	8-GRN	8-YEL		
SC3 - SB42	5/C		NEUTRAL	4-RED	4-GRN	4-YEL							
SC3 - SB43	5/C	6-DW	NEUTRAL		6-WALK								
SC3 - SB44	12/C	4-DW	NEUTRAL	6-RED	6-GRN	6-YEL	4-WALK		5-R-ARW	5-G-ARW	5-Y-ARW	5-FY-ARW	
SC3 - SB45	5/C	4-DW	NEUTRAL		4-WALK								
SC3 - SB46	12/C		NEUTRAL	2-RED	2-YEL	2-GRN			5-R-ARW	5-G-ARW	5-Y-ARW	5-FY-ARW	
SC3 - SB47	12/C	2-DW	NEUTRAL	4-RED	4-YEL	4-GRN	2-WALK		8-RED	8-GRN	8-YEL		
SC3 - SB48	7/C	2-RED	NEUTRAL	8-RED	8-YEL	8-GRN	2-WALK						
SC3 - SB49	12/C	8-DW	NEUTRAL	2-RED	2-YEL	2-GRN	8-WALK		1-R-ARW	1-G-ARW	1-Y-ARW	1-FY-ARW	
SC3 - SB50	5/C	8-DW	NEUTRAL		8-WALK								
SC3 - SB51	12/C		NEUTRAL	6-RED	6-GRN	6-YEL			1-R-ARW	1-G-ARW	1-Y-ARW	1-FY-ARW	

USH 12/STH 23 & CTH A LIGHTING CABLING UF 2-12 AWG CABLE W/ GROUND	
FROM	TO
SC3	SB42
SB42	SB44
SB44	SB46
SC3	SB51
SB51	SB49
SB49	SB48

USH 12/STH 23 & CTH A EQUIPMENT GROUNDING CONDUCTORS 10 AWG GRN XLP	
FROM	TO
SC3	SB41
SB41	SB42
SB42	SB43
SB43	SB44
SB44	SB45
SB45	SB46
SB46	SB47
SB47	SB48
SB48	SB49
SB49	SB50
SB50	SB51
SB51	SC3

USH 12/STH 23 & CTH A PEDESTRIAN DETECTION CABLING LOOP DETECTOR LEAD-IN CABLE	
FROM	TO
SC3	SB41
SC3	SB43
SC3	SB44
SC3	SB45
SC3	SB47
SC3	SB48
SC3	SB49
SC3	SB50

USH 12/STH 23 & CTH A VIDEO DETECTION CABLING STATE-FURNISHED CAT5E CABLE	
FROM	TO
SC3	SB42
SC3	SB45
SC3	SB48
SC3	SB51

TRAFFIC CONTROL SIGNAL
USH 12/STH 23 & CTH A
CITY OF WISCONSIN DELLS
SAUK COUNTY

SIGNAL NO. S56-0522

REGION CONTACT: COLLIN WEBB
DESIGNED BY: COLLIN WEBB
REVISED BY:

PAGE 04 OF 04

PROJECT NO: 6145-01-74 | HWY: USH 12 | COUNTY: SAUK | CABLE ROUTING CHART - USH 12 & CTH A | SHEET 406 | E

2

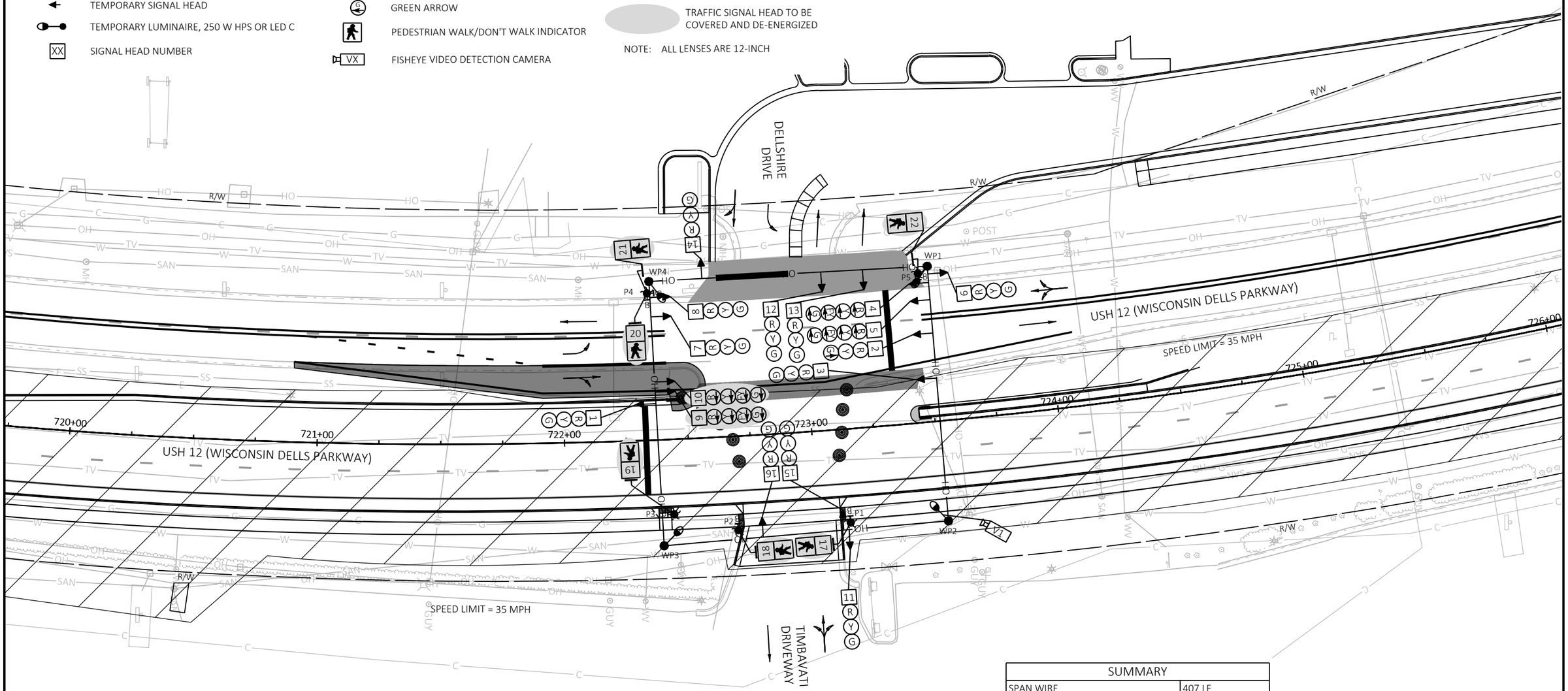
LEGEND

- WOOD POLE, CLASS 4
- 4 X 4 WOOD POST OR SKID
- PUSH BUTTON
- —OH— SPAN WIRE
- TEMPORARY SIGNAL HEAD
- TEMPORARY LUMINAIRE, 250 W HPS OR LED C
- XX SIGNAL HEAD NUMBER
- R RED CIRCULAR INDICATOR
- Y YELLOW CIRCULAR INDICATOR
- G GREEN CIRCULAR INDICATOR
- RED ARROW
- YELLOW ARROW
- GREEN ARROW
- PEDESTRIAN WALK/DON'T WALK INDICATOR
- VX FISHEYE VIDEO DETECTION CAMERA
- WORK ZONE
- TEMPORARY PAVEMENT SURFACE
- TRAFFIC FLOW ARROW
- TRAFFIC SIGNAL HEAD TO BE COVERED AND DE-ENERGIZED

NOTE: ALL LENSES ARE 12-INCH

SCALE, FEET 0 20 40

N



STAGING NOTES:

1. WHEN PEDESTRIAN HEADS ARE UNCOVERED, PEDESTRIAN ACCESS TO BE MAINTAINED AT THE CROSSING DURING THE CONSTRUCTION STAGE.
2. ADJUST TEMPORARY SIGNAL AS REVIEWED BY THE ENGINEER TO MAINTAIN MUTCD SIGNAL REQUIREMENTS.
3. ACCOMMODATE PEDESTRIANS ACROSS ALL OPEN CROSSINGS DURING CONSTRUCTION. SEE TRAFFIC CONTROL PEDESTRIAN DETOUR PLANS FOR DETAILS. THE CONTRACTOR SHALL CONSULT THE DEPARTMENT PRIOR TO CLOSING OR ALTERING PEDESTRIAN CROSSINGS.
4. THE DEPARTMENT IS RESPONSIBLE FOR DETECTION CHANGES AND TIMING CHANGES. CONTRACTOR IS RESPONSIBLE FOR KNOCKDOWNS, BAGGING HEADS, AND INSTALLATION AND MAINTENANCE OF TEMPORARY HEADS.

CONSTRUCTION NOTES:

1. ALL LUMINAIRES ARE 250W HPS OR LED C UNLESS OTHERWISE NOTED.
2. FINAL LOCATION OF SIGNAL POLES, SIGNAL HEADS AND SIGNAL CABINET SHALL BE AS REVIEWED BY ENGINEER.
3. POLE & POSTS INSTALLED BEHIND CURBS SHALL BE OFFSET AT MINIMUM OF 2-FEET FROM THE FACE OF CURB TO THE SIDE OF THE POST OR POLE.
4. MOUNT NEAR RIGHT SIGNAL ABOVE TETHER WIRE WHEN OVER ROAD.
5. ALL EXISTING SIGNAL HEADS SHALL BE REMOVED, COVERED, OR TURNED AWAY FROM TRAFFIC IMMEDIATELY AFTER TURNING ON TEMPORARY SIGNALS, UNLESS OTHERWISE NOTED.
6. GUYING OF POLES IS REQUIRED AND LOCATIONS SHALL BE REVIEWED BY THE ENGINEER.

SUMMARY	
SPAN WIRE	407 LF
CLASS 4 WOOD POLE	4 EACH
SIGNAL HEADS	17 EACH
PEDESTRIAN HEADS	6 EACH
TEMPORARY LUMINAIRES	4 EACH
4x4 WOOD POST OR SKID	5 EACH
FISHEYE VIDEO DETECTION CAMERA	1 EACH
TEMPORARY SIGNAL CABINET AND CONTROLLER	1 EACH

NOTE: CAMERA AND CONTROLLER WILL BE SUPPLIED BY THE DEPARTMENT

TRAFFIC CONTROL SIGNAL
USH 12 & DELLSHIRE DRIVE
CITY OF WISCONSIN DELLS
SAUK COUNTY

SIGNAL NO.

REGION CONTACT: COLLIN WEBB
DESIGNED BY: GRAEF
REVISED BY:

PROJECT NO: 6145-01-72/73/74	HWY: US 12	COUNTY: SAUK	TEMPORARY SIGNAL PLAN - STAGE 1	SHEET 407	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\TEMP SIGNALS\03B_SHIRE\03B_024101-ST-1STAGE1.DWG
LAYOUT NAME - 024101-st
PLOT DATE : 2/3/2026 10:54 AM PLOT BY : BIEBERITZ, BEN PLOT NAME : PLOT SCALE : ##########

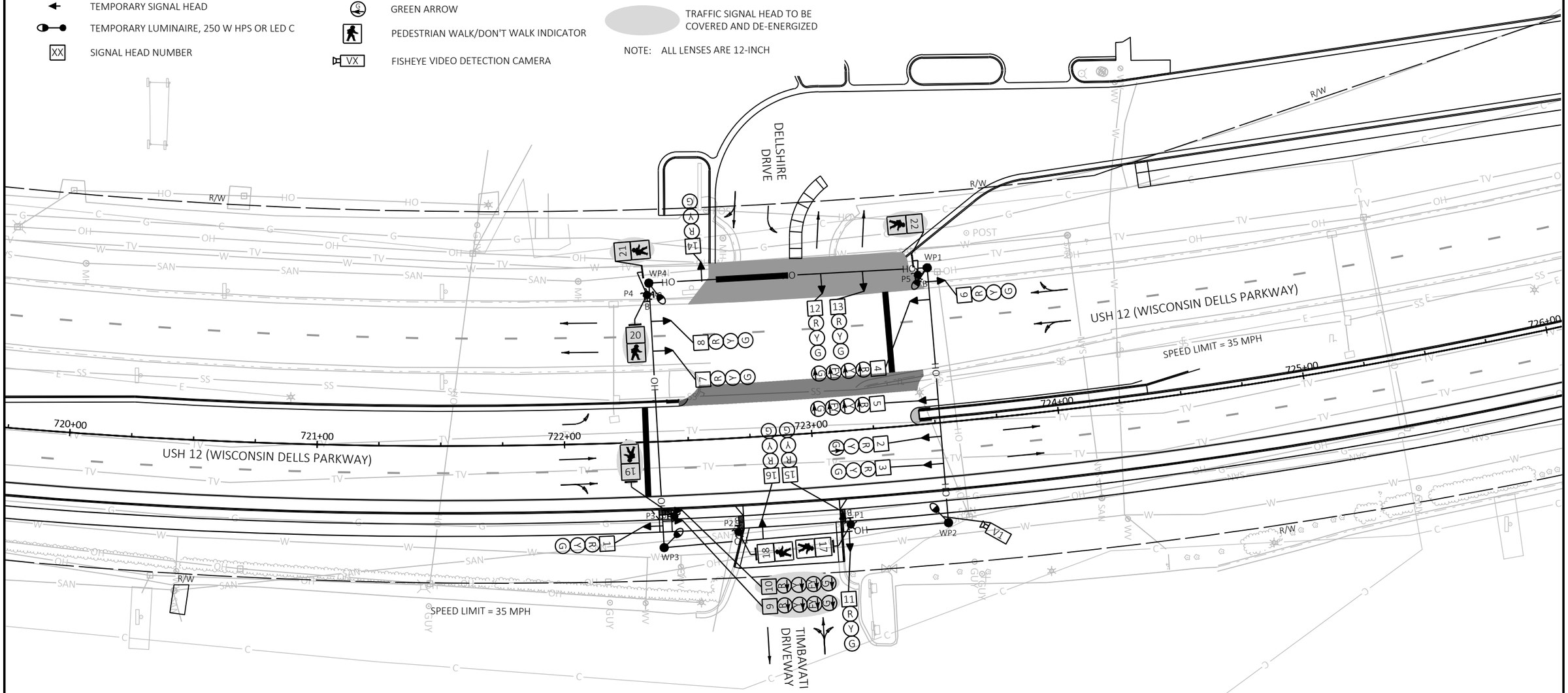
LEGEND

- WOOD POLE, CLASS 4
- 4 X 4 WOOD POST OR SKID
- PUSH BUTTON
- —OH— SPAN WIRE
- TEMPORARY SIGNAL HEAD
- TEMPORARY LUMINAIRE, 250 W HPS OR LED C
- XX SIGNAL HEAD NUMBER
- R RED CIRCULAR INDICATOR
- Y YELLOW CIRCULAR INDICATOR
- G GREEN CIRCULAR INDICATOR
- RED ARROW
- YELLOW ARROW
- GREEN ARROW
- PEDESTRIAN WALK/DON'T WALK INDICATOR
- VX FISHEYE VIDEO DETECTION CAMERA
- WORK ZONE
- TEMPORARY PAVEMENT SURFACE
- TRAFFIC FLOW ARROW
- TRAFFIC SIGNAL HEAD TO BE COVERED AND DE-ENERGIZED

NOTE: ALL LENSES ARE 12-INCH

SCALE, FEET 0 20 40

N



STAGING NOTES:

1. WHEN PEDESTRIAN HEADS ARE UNCOVERED, PEDESTRIAN ACCESS TO BE MAINTAINED AT THE CROSSING DURING THE CONSTRUCTION STAGE.
2. ADJUST TEMPORARY SIGNAL AS REVIEWED BY THE ENGINEER TO MAINTAIN MUTCD SIGNAL REQUIREMENTS.
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CONSTRUCTION NOTES:

1. ALL LUMINAIRES ARE 250W HPS OR LED C UNLESS OTHERWISE NOTED.
2. FINAL LOCATION OF SIGNAL POLES, SIGNAL HEADS AND SIGNAL CABINET SHALL BE AS REVIEWED BY ENGINEER.
3. POLE & POSTS INSTALLED BEHIND CURBS SHALL BE OFFSET AT MINIMUM OF 2-FEET FROM THE FACE OF CURB TO THE SIDE OF THE POST OR POLE.
4. MOUNT NEAR RIGHT SIGNAL ABOVE TETHER WIRE WHEN OVER ROAD.
5. ALL EXISTING SIGNAL HEADS SHALL BE REMOVED, COVERED, OR TURNED AWAY FROM TRAFFIC IMMEDIATELY AFTER TURNING ON TEMPORARY SIGNALS, UNLESS OTHERWISE NOTED.
6. GUYING OF POLES IS REQUIRED AND LOCATIONS SHALL BE REVIEWED BY THE ENGINEER.

TRAFFIC CONTROL SIGNAL
USH 12 & DELLSHIRE DRIVE
CITY OF WISCONSIN DELLS
SAUK COUNTY

SIGNAL NO.

REGION CONTACT: COLLIN WEBB
DESIGNED BY: GRAEF
REVISED BY:

PROJECT NO: 6145-01-72/73/74	HWY: US 12	COUNTY: SAUK	TEMPORARY SIGNAL PLAN - POST STAGE 1	SHEET 408	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\TEMP SIGNALS\03B_SHIRE\03B_024101-ST-1POST26.DWG
LAYOUT NAME - 024101-st
PLOT DATE : 2/3/2026 10:54 AM PLOT BY : BIEBERITZ, BEN PLOT NAME : PLOT SCALE : ##########

2

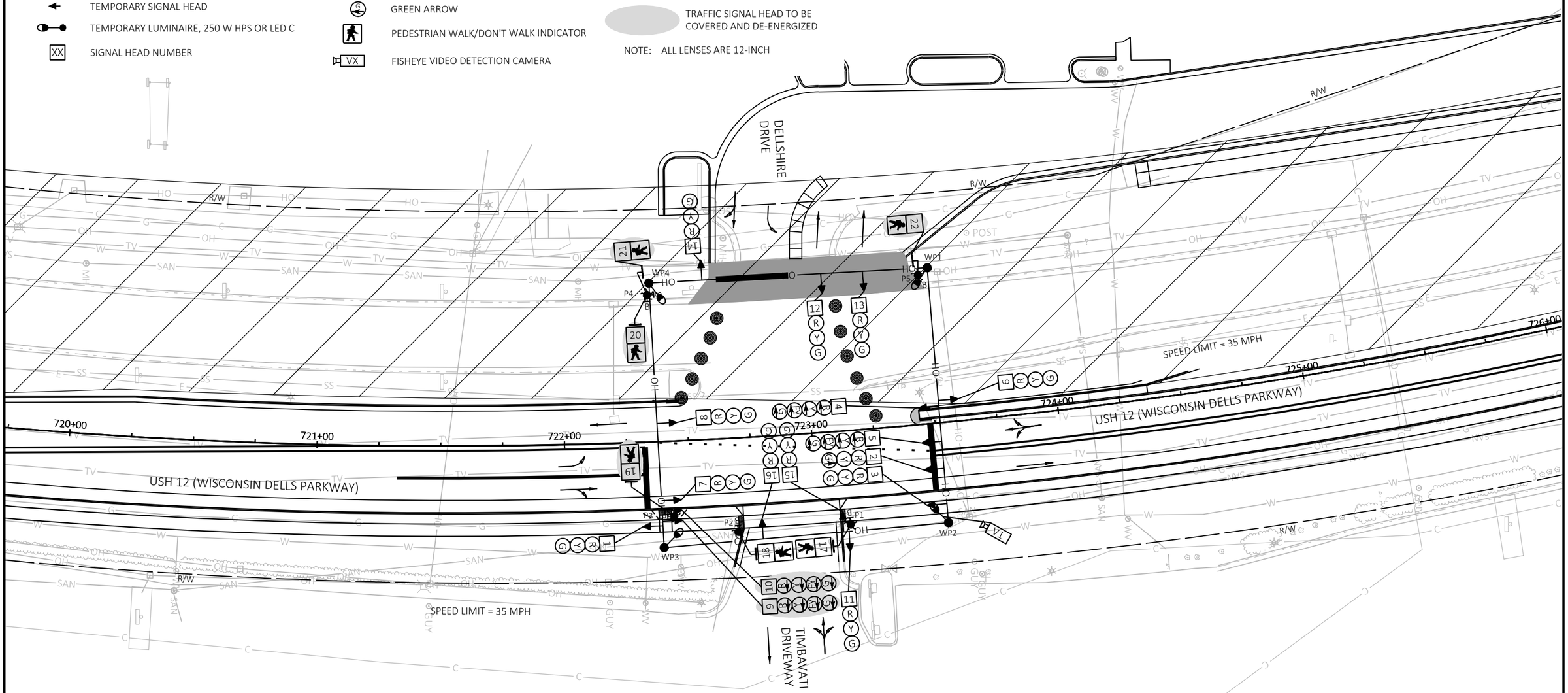
LEGEND

- WOOD POLE, CLASS 4
- 4 X 4 WOOD POST OR SKID
- PUSH BUTTON
- —OH— SPAN WIRE
- TEMPORARY SIGNAL HEAD
- TEMPORARY LUMINAIRE, 250 W HPS OR LED C
- XX SIGNAL HEAD NUMBER
- R RED CIRCULAR INDICATOR
- Y YELLOW CIRCULAR INDICATOR
- G GREEN CIRCULAR INDICATOR
- R RED ARROW
- PY YELLOW ARROW
- G GREEN ARROW
- PEDESTRIAN WALK/DON'T WALK INDICATOR
- VX FISHEYE VIDEO DETECTION CAMERA
- WORK ZONE
- TEMPORARY PAVEMENT SURFACE
- TRAFFIC FLOW ARROW
- TRAFFIC SIGNAL HEAD TO BE COVERED AND DE-ENERGIZED

NOTE: ALL LENSES ARE 12-INCH

SCALE, FEET 0 20 40

N



STAGING NOTES:

1. WHEN PEDESTRIAN HEADS ARE UNCOVERED, PEDESTRIAN ACCESS TO BE MAINTAINED AT THE CROSSING DURING THE CONSTRUCTION STAGE.
2. ADJUST TEMPORARY SIGNAL AS REVIEWED BY THE ENGINEER TO MAINTAIN MUTCD SIGNAL REQUIREMENTS.
3. ACCOMMODATE PEDESTRIANS ACROSS ALL OPEN CROSSINGS DURING CONSTRUCTION. SEE TRAFFIC CONTROL PEDESTRIAN DETOUR PLANS FOR DETAILS. THE CONTRACTOR SHALL CONSULT THE DEPARTMENT PRIOR TO CLOSING OR ALTERING PEDESTRIAN CROSSINGS.
4. THE DEPARTMENT IS RESPONSIBLE FOR DETECTION CHANGES AND TIMING CHANGES. CONTRACTOR IS RESPONSIBLE FOR KNOCKDOWNS, BAGGING HEADS, AND INSTALLATION AND MAINTENANCE OF TEMPORARY HEADS.

CONSTRUCTION NOTES:

1. ALL LUMINAIRES ARE 250W HPS OR LED C UNLESS OTHERWISE NOTED.
2. FINAL LOCATION OF SIGNAL POLES, SIGNAL HEADS AND SIGNAL CABINET SHALL BE AS REVIEWED BY ENGINEER.
3. POLE & POSTS INSTALLED BEHIND CURBS SHALL BE OFFSET AT MINIMUM OF 2-FEET FROM THE FACE OF CURB TO THE SIDE OF THE POST OR POLE.
4. MOUNT NEAR RIGHT SIGNAL ABOVE TETHER WIRE WHEN OVER ROAD.
5. ALL EXISTING SIGNAL HEADS SHALL BE REMOVED, COVERED, OR TURNED AWAY FROM TRAFFIC IMMEDIATELY AFTER TURNING ON TEMPORARY SIGNALS, UNLESS OTHERWISE NOTED.
6. GUYING OF POLES IS REQUIRED AND LOCATIONS SHALL BE REVIEWED BY THE ENGINEER.

TRAFFIC CONTROL SIGNAL
USH 12 & DELLSHIRE DRIVE
CITY OF WISCONSIN DELLS
SAUK COUNTY

SIGNAL NO.

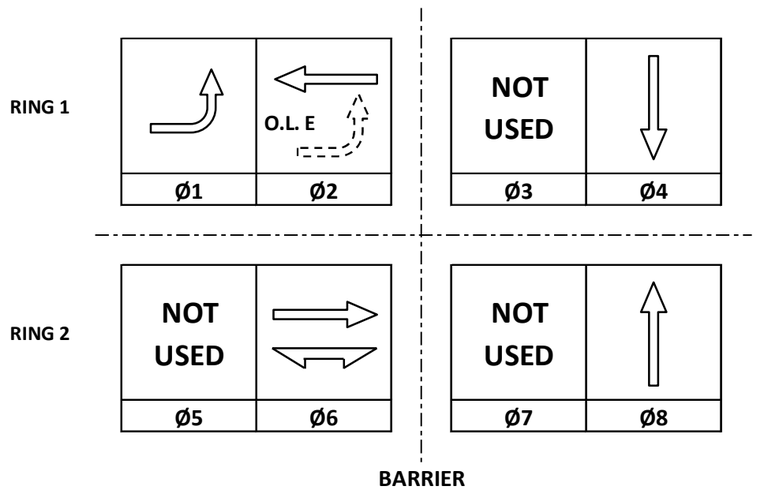
REGION CONTACT: COLLIN WEBB
DESIGNED BY: GRAEF
REVISED BY:

PROJECT NO: 6145-01-72/73/74	HWY: US 12	COUNTY: SAUK	TEMPORARY SIGNAL PLAN - STAGE 2	SHEET 409	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\TEMP SIGNALS\03B_SHIRE\03B_024101-ST-2FALL26.DWG
LAYOUT NAME - 024101-st
PLOT DATE : 2/3/2026 10:54 AM PLOT BY : BIEBERITZ, BEN PLOT NAME : PLOT SCALE : 1 IN:40 FT

	HEAD NUMBERS	FLASH
Ø1	4,5	R ←
Ø2	6,7,8	R
Ø3		
Ø4	14,15,16	R
Ø5		
Ø6	1,2,3	R
Ø7		
Ø8	11,12,13	R
Ø2P		
Ø4P		
Ø6P	17,18	
Ø8P		
OLE	4,5	-
OLF		-
OLG		-
OLH		-

N



CONTROLLER LOGIC

PHASE NUMBER	PHASE LOCKING	DUAL ENTRY W / Ø	PHASE RECALL	PHASE ACTIVE
1		6		X
2	X	6	MIN	X
3				
4		8		X
5				
6	X	2	MIN	X
7				
8		4		X

TYPE OF INTERCONNECT/COMMUNICATION	
NONE	
CLOSED LOOP	
TWISTED PAIR	
FIBER OPTIC*	
FIBER OPTIC (ETHERNET)	
RADIO	
CELL MODEM	X

TYPE OF COORDINATION	
NONE	
TBC	X
TRAFFIC RESPONSIVE	
ADAPTIVE	
*LOCATION OF MASTER CONTROLLER NO:	S-
SIGNAL SYSTEM NO:	SS-

TYPE OF LIGHTING	
BY OTHER AGENCY	
IN TRAFFIC CABINET	X
IN SEPARATE DOT LIGHTING CABINET	

TYPE OF PRE-EMPT	
NONE	X
RAILROAD	
EMERGENCY VEHICLE	
GTT	
TOMAR	
HARDWIRE	
OTHER	
CONFIRMATION LIGHTS	
LIFT BRIDGE	
QUEUE DETECTION	

GENERAL NOTES:

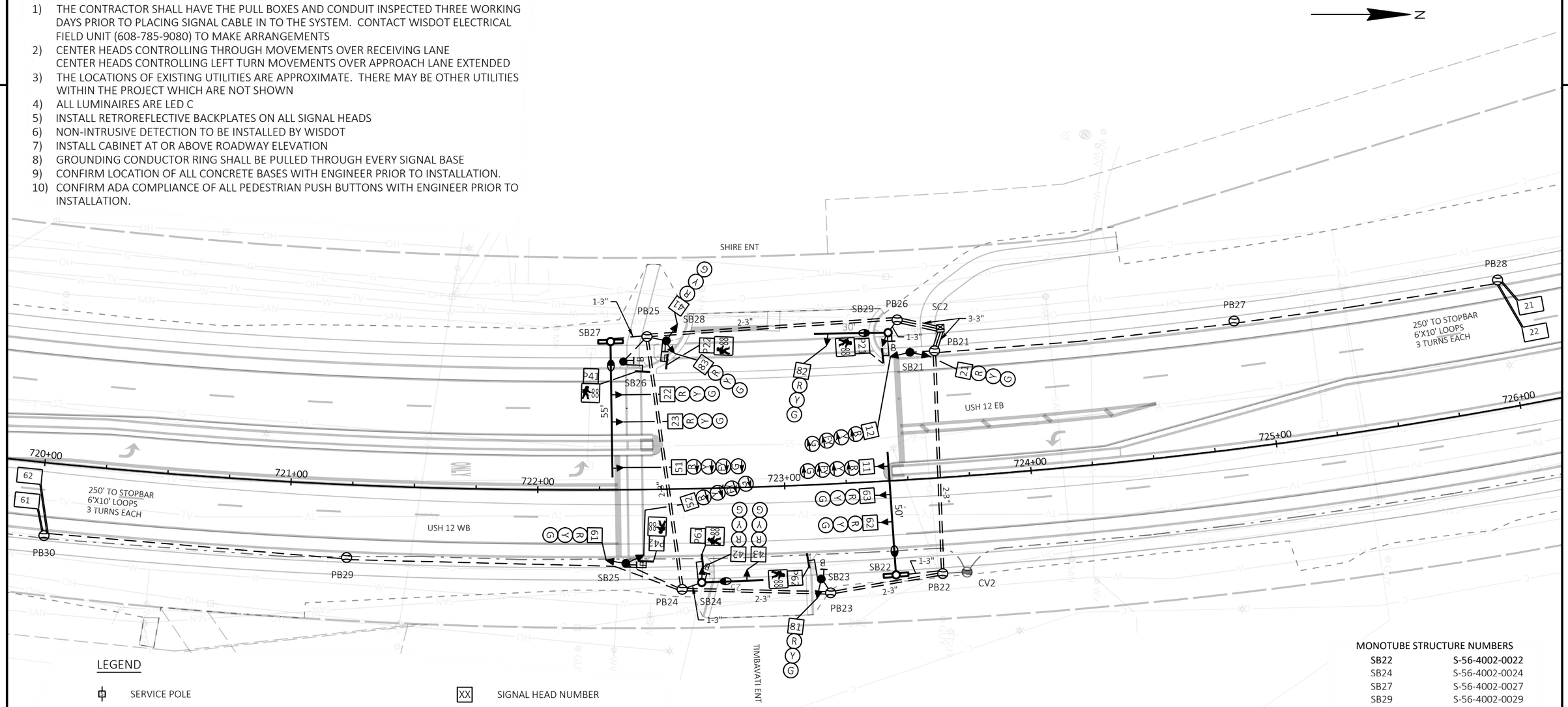
1. REFER TO TRAFFIC CONTROL PEDESTRIAN ACCOMODATIONS PLANS FOR WHERE PEDESTRIANS ARE ACCOMODATED DURING CONSTRUCTION STAGING. CONTRACTOR SHALL CONSULT THE DEPARTMENT PRIOR TO CLOSING OR ALTERING PEDESTRIAN CROSSINGS.
2. PEDESTRIAN PHASES SHALL RUN ON PUSH BUTTON ACTUATION.

US 12 & DELLSHIRE DRIVE
CITY OF WISCONSIN DELLS
SAUK COUNTY

SIGNAL NO: CABINET TYPE: TS2
CONTROLLER TYPE: ECONOLITE
DATE: 2/26 PAGE NO. 4 OF 4

GENERAL NOTES:

1) THE CONTRACTOR SHALL HAVE THE PULL BOXES AND CONDUIT INSPECTED THREE WORKING DAYS PRIOR TO PLACING SIGNAL CABLE IN TO THE SYSTEM. CONTACT WISDOT ELECTRICAL FIELD UNIT (608-785-9080) TO MAKE ARRANGEMENTS
2) CENTER HEADS CONTROLLING THROUGH MOVEMENTS OVER RECEIVING LANE
   CENTER HEADS CONTROLLING LEFT TURN MOVEMENTS OVER APPROACH LANE EXTENDED
3) THE LOCATIONS OF EXISTING UTILITIES ARE APPROXIMATE. THERE MAY BE OTHER UTILITIES WITHIN THE PROJECT WHICH ARE NOT SHOWN
4) ALL LUMINAIRES ARE LED C
5) INSTALL RETROREFLECTIVE BACKPLATES ON ALL SIGNAL HEADS
6) NON-INTRUSIVE DETECTION TO BE INSTALLED BY WISDOT
7) INSTALL CABINET AT OR ABOVE ROADWAY ELEVATION
8) GROUNDING CONDUCTOR RING SHALL BE PULLED THROUGH EVERY SIGNAL BASE
9) CONFIRM LOCATION OF ALL CONCRETE BASES WITH ENGINEER PRIOR TO INSTALLATION.
10) CONFIRM ADA COMPLIANCE OF ALL PEDESTRIAN PUSH BUTTONS WITH ENGINEER PRIOR TO INSTALLATION.



MONOTUBE STRUCTURE NUMBERS

SB22	S-56-4002-0022
SB24	S-56-4002-0024
SB27	S-56-4002-0027
SB29	S-56-4002-0029

LEGEND

- SERVICE POLE
- CONTROL CABINET
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- LOOP DETECTOR CONDUIT 1" NONMETALLIC
- SIGNAL HEAD, TRAFFIC SIGNAL STANDARD, PEDESTAL BASE
- (XX) MONOTUBE BASE, POLE, 15'-30' ARM
- (XX) MONOTUBE BASE, POLE, 35'-45' ARM
- (XX) MONOTUBE BASE, POLE, 35'-55' ARM
- PEDESTRIAN HEAD
- PUSH BUTTON
- PULL BOX, 24" X 42"
- XX SIGNAL HEAD NUMBER
- R RED CIRCULAR INDICATOR
- Y YELLOW CIRCULAR INDICATOR
- G GREEN CIRCULAR INDICATOR
- RED ARROW
- YELLOW ARROW
- GREEN ARROW
- PEDESTRIAN COUNTDOWN TIMER, 16 INCH

NOTES:
- ALL LENSES ARE 12-INCH
- GRAYSHADE REPRESENTS EXISTING

TRAFFIC CONTROL SIGNAL
USH 12/STH 23 & DELLSHIRE DR
CITY OF WISCONSIN DELLS
SAUK COUNTY

SIGNAL NO. S56-1420
CABINET TYPE: TS2
CONTROLLER TYPE: ECONOLITE

WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVAL RECOMMENDED
DATE _____ REGION TRAFFIC ENGINEER
APPROVED
DATE _____ STATE TRAFFIC ENGINEER

REGION CONTACT: COLLIN WEBB
DESIGNED BY: COLLIN WEBB
REVISED BY:

PAGE 01 OF XX

PROJECT NO: 6145-01-74	HWY: USH 12	COUNTY: SAUK	TRAFFIC SIGNAL PLAN - USH 12 & DELLSHIRE DR	SHEET 411	E

FILE NAME : C:\BOXDRV\BOX\DTSD-PROJECTS-PUBLIC\SWR-PROJECTS-STATE\DESIGN\61450100\TRAFFIC\ELECTRICAL\SIGNALS\CADD\SIGNAL-6145-01-00_USH12.DWG
LAYOUT NAME - 024202-sp
PLOT DATE : 6/20/2025 9:58 AM PLOT BY : WEBB, COLLIN J PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

USH 12/STH 23 & SHIRE/TIMBAVATI TRAFFIC SIGNAL CABLING 14 AWG CABLE													
HOME RUN	CABLE	INDICATION/WIRE COLOR											
		BLK	WHT	RED	GRN	ORG	BLU	WHT/BLK	RED/BLK	GRN/BLK	ORG/BLK	BLU/BLK	BLK/WHT
SC2 - SB21	12/C		NEUTRAL	2-RED	2-GRN	2-YEL			1-R-ARW	1-G-ARW	1-Y-ARW	1-FY-ARW	
SC2 - SB22	12/C		NEUTRAL	6-RED	6-GRN	6-YEL			1-R-ARW	1-G-ARW	1-Y-ARW	1-FY-ARW	
SC2 - SB23	7/C	6-DW	NEUTRAL	8-RED	8-GRN	8-YEL	6-WALK						
SC2 - SB24	7/C	6-DW	NEUTRAL	4-RED	4-GRN	4-YEL	6-WALK						
SC2 - SB25	12/C	4-DW	NEUTRAL	6-RED	6-GRN	6-YEL	4-WALK		5-R-ARW	5-G-ARW	5-Y-ARW	5-FY-ARW	
SC2 - SB26	5/C	4-DW	NEUTRAL		4-WALK								
SC2 - SB27	12/C		NEUTRAL	2-RED	2-GRN	2-YEL			5-R-ARW	5-G-ARW	5-Y-ARW	5-FY-ARW	
SC2 - SB28	12/C	2-DW	NEUTRAL	4-RED	4-GRN	4-YEL	2-WALK		8-RED	8-GRN	8-YEL		
SC2 - SB29	7/C	2-DW	NEUTRAL	8-RED	8-GRN	8-YEL	2-WALK						

USH 12/STH 23 & SHIRE/TIMBAVATI LIGHTING CABLING UF 2-12 AWG CABLE W/ GROUND	
FROM	TO
SC2	SB22
SB22	SB24
SC2	SB29
SB29	SB27

USH 12/STH 23 & SHIRE/TIMBAVATI EQUIPMENT GROUNDING CONDUCTORS 10 AWG GRN XLP	
FROM	TO
SC2	SB21
SB21	SB22
SB22	SB23
SB23	SB24
SB24	SB25
SB25	SB26
SB26	SB27
SB27	SB28
SB28	SB29
SB29	SC2

USH 12/STH 23 & SHIRE/TIMBAVATI PEDESTRIAN DETECTION CABLING LOOP DETECTOR LEAD-IN CABLE	
FROM	TO
SC2	SB23
SC2	SB24
SC2	SB25
SC2	SB26
SC2	SB28
SC2	SB29

USH 12/STH 23 & SHIRE/TIMBAVATI VIDEO DETECTION CABLING STATE-FURNISHED CAT5E CABLE	
FROM	TO
SC2	SB22
SC2	SB24
SC2	SB27
SC2	SB29

TRAFFIC CONTROL SIGNAL
USH 12 & DELLSHIRE DR
CITY OF WISCONSIN DELLS
SAUK COUNTY

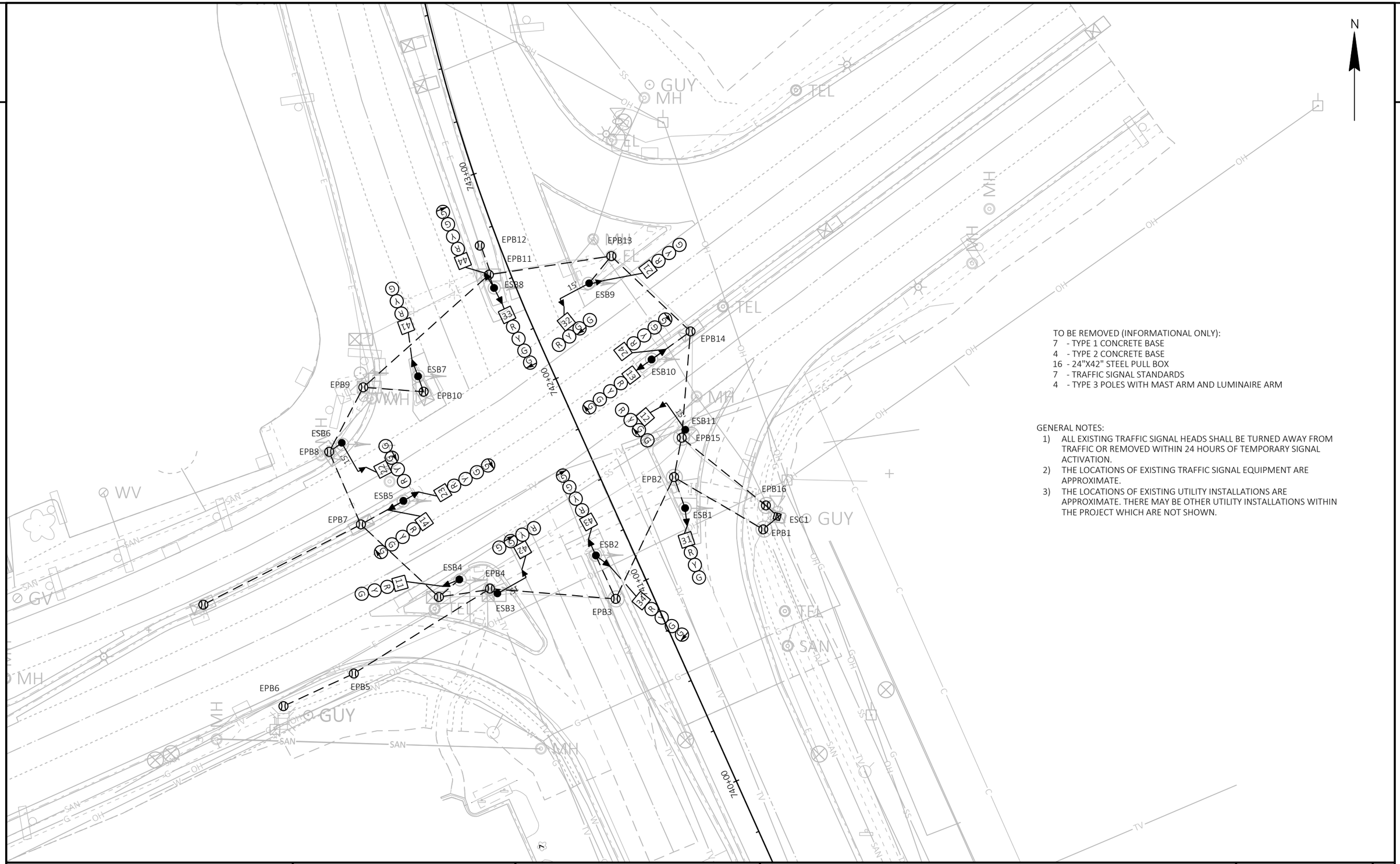
SIGNAL NO. S56-1420

REGION CONTACT: COLLIN WEBB
DESIGNED BY: COLLIN WEBB
REVISED BY:

PAGE 03 OF 03

PROJECT NO: 6145-01-74	HWY: USH 12	COUNTY: SAUK	CABLE ROUTING CHART - USH 12 & DELLSHIRE DR	SHEET 412	E

FILE NAME : C:\BOXDRV\BOX\DTSD-PROJECTS-PUBLIC\SWR-PROJECTS-STATE\DESIGN\61450100\TRAFFIC\ELECTRICAL\SIGNALS\CADD\SIGNALCABLING-6145-01-00_USH12.DWG
LAYOUT NAME - 024402-cr
PLOT DATE : 5/16/2025 3:40 PM
PLOT BY : WEBB, COLLIN J
PLOT NAME :
PLOT SCALE :



TO BE REMOVED (INFORMATIONAL ONLY):
- 7 - TYPE 1 CONCRETE BASE
- 4 - TYPE 2 CONCRETE BASE
- 16 - 24"X42" STEEL PULL BOX
- 7 - TRAFFIC SIGNAL STANDARDS
- 4 - TYPE 3 POLES WITH MAST ARM AND LUMINAIRE ARM

GENERAL NOTES:
1) ALL EXISTING TRAFFIC SIGNAL HEADS SHALL BE TURNED AWAY FROM TRAFFIC OR REMOVED WITHIN 24 HOURS OF TEMPORARY SIGNAL ACTIVATION.
2) THE LOCATIONS OF EXISTING TRAFFIC SIGNAL EQUIPMENT ARE APPROXIMATE.
3) THE LOCATIONS OF EXISTING UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.

PROJECT NO: 6145-01-74	HWY: USH 12	COUNTY: SAUK	TRAFFIC SIGNAL REMOVAL PLAN - USH 12 & STH 13/16/23	SHEET 413	E

FILE NAME : C:\BOXDRV\BOX\DTSD-PROJECTS-PUBLIC\SWR-PROJECTS-STATE\DESIGN\61450100\TRAFFIC\ELECTRICAL\SIGNALS\CADD\SIGNALREMOVAL-6145-01-00_USH12.DWG
LAYOUT NAME - 024001-sr
PLOT DATE : 5/15/2025 6:55 PM
PLOT BY : WEBB, COLLIN J
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

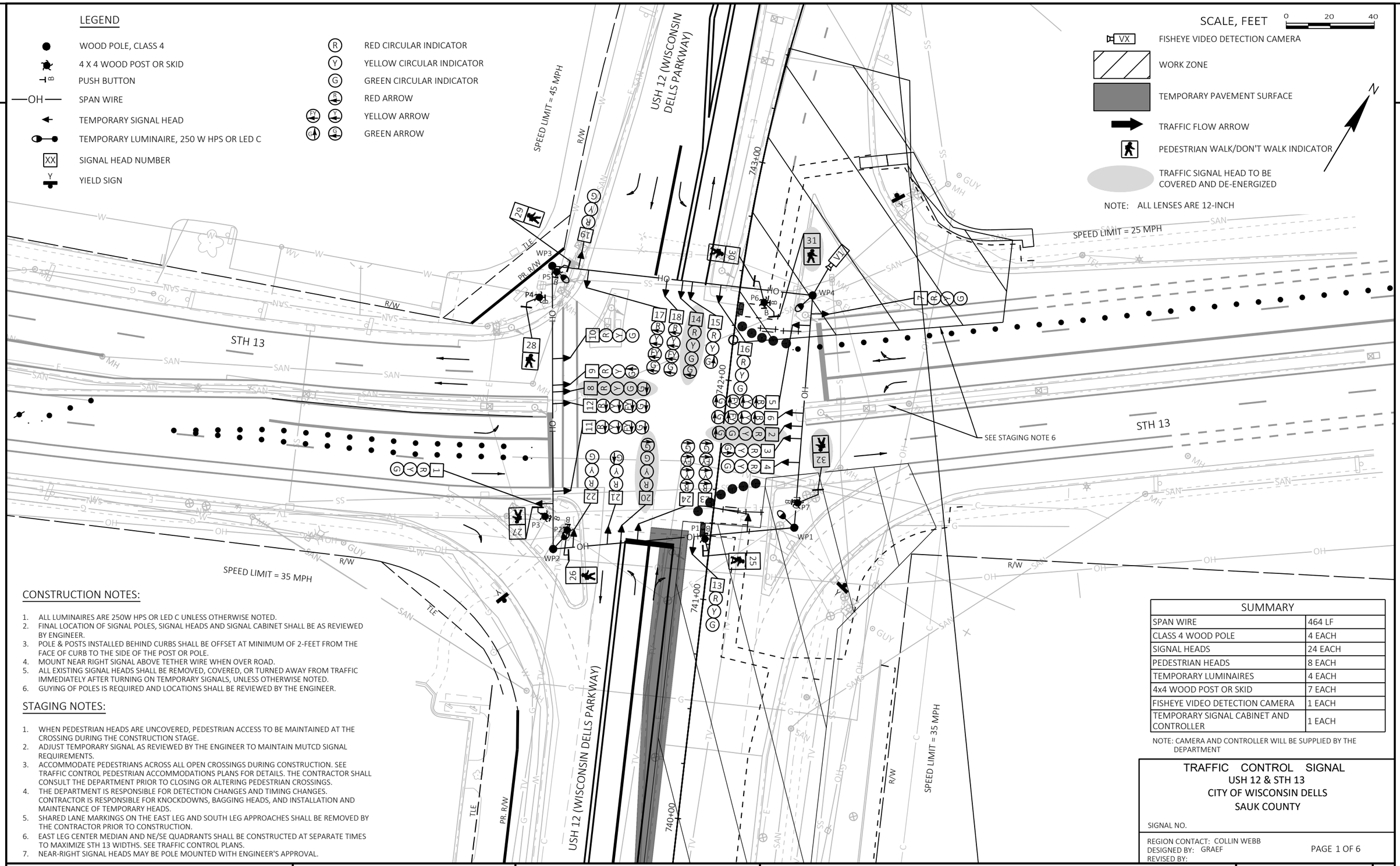
LEGEND

- WOOD POLE, CLASS 4
- 4 X 4 WOOD POST OR SKID
- PUSH BUTTON
- OH — SPAN WIRE
- TEMPORARY SIGNAL HEAD
- TEMPORARY LUMINAIRE, 250 W HPS OR LED C
- XX — SIGNAL HEAD NUMBER
- Y — YIELD SIGN
- R — RED CIRCULAR INDICATOR
- Y — YELLOW CIRCULAR INDICATOR
- G — GREEN CIRCULAR INDICATOR
- RA — RED ARROW
- EY / YA — YELLOW ARROW
- GA — GREEN ARROW

SCALE, FEET 0 20 40

- VX — FISHEYE VIDEO DETECTION CAMERA
- WORK ZONE
- TEMPORARY PAVEMENT SURFACE
- TRAFFIC FLOW ARROW
- PEDESTRIAN WALK/DON'T WALK INDICATOR
- TRAFFIC SIGNAL HEAD TO BE COVERED AND DE-ENERGIZED

NOTE: ALL LENSES ARE 12-INCH



CONSTRUCTION NOTES:

1. ALL LUMINAIRES ARE 250W HPS OR LED C UNLESS OTHERWISE NOTED.
2. FINAL LOCATION OF SIGNAL POLES, SIGNAL HEADS AND SIGNAL CABINET SHALL BE AS REVIEWED BY ENGINEER.
3. POLE & POSTS INSTALLED BEHIND CURBS SHALL BE OFFSET AT MINIMUM OF 2-FEET FROM THE FACE OF CURB TO THE SIDE OF THE POST OR POLE.
4. MOUNT NEAR RIGHT SIGNAL ABOVE TETHER WIRE WHEN OVER ROAD.
5. ALL EXISTING SIGNAL HEADS SHALL BE REMOVED, COVERED, OR TURNED AWAY FROM TRAFFIC IMMEDIATELY AFTER TURNING ON TEMPORARY SIGNALS, UNLESS OTHERWISE NOTED.
6. GUYING OF POLES IS REQUIRED AND LOCATIONS SHALL BE REVIEWED BY THE ENGINEER.

STAGING NOTES:

1. WHEN PEDESTRIAN HEADS ARE UNCOVERED, PEDESTRIAN ACCESS TO BE MAINTAINED AT THE CROSSING DURING THE CONSTRUCTION STAGE.
2. ADJUST TEMPORARY SIGNAL AS REVIEWED BY THE ENGINEER TO MAINTAIN MUTCD SIGNAL REQUIREMENTS.
3. ACCOMMODATE PEDESTRIANS ACROSS ALL OPEN CROSSINGS DURING CONSTRUCTION. SEE TRAFFIC CONTROL PEDESTRIAN ACCOMMODATIONS PLANS FOR DETAILS. THE CONTRACTOR SHALL CONSULT THE DEPARTMENT PRIOR TO CLOSING OR ALTERING PEDESTRIAN CROSSINGS.
4. THE DEPARTMENT IS RESPONSIBLE FOR DETECTION CHANGES AND TIMING CHANGES. CONTRACTOR IS RESPONSIBLE FOR KNOCKDOWNS, BAGGING HEADS, AND INSTALLATION AND MAINTENANCE OF TEMPORARY HEADS.
5. SHARED LANE MARKINGS ON THE EAST LEG AND SOUTH LEG APPROACHES SHALL BE REMOVED BY THE CONTRACTOR PRIOR TO CONSTRUCTION.
6. EAST LEG CENTER MEDIAN AND NE/SE QUADRANTS SHALL BE CONSTRUCTED AT SEPARATE TIMES TO MAXIMIZE STH 13 WIDTHS. SEE TRAFFIC CONTROL PLANS.
7. NEAR-RIGHT SIGNAL HEADS MAY BE POLE MOUNTED WITH ENGINEER'S APPROVAL.

SUMMARY	
SPAN WIRE	464 LF
CLASS 4 WOOD POLE	4 EACH
SIGNAL HEADS	24 EACH
PEDESTRIAN HEADS	8 EACH
TEMPORARY LUMINAIRES	4 EACH
4x4 WOOD POST OR SKID	7 EACH
FISHEYE VIDEO DETECTION CAMERA	1 EACH
TEMPORARY SIGNAL CABINET AND CONTROLLER	1 EACH

NOTE: CAMERA AND CONTROLLER WILL BE SUPPLIED BY THE DEPARTMENT

TRAFFIC CONTROL SIGNAL
USH 12 & STH 13
CITY OF WISCONSIN DELLS
SAUK COUNTY

SIGNAL NO.

REGION CONTACT: COLLIN WEBB
DESIGNED BY: GRAEF
REVISED BY:

PROJECT NO: 6145-01-72/73/74	HWY: US 12	COUNTY: SAUK	TEMPORARY SIGNAL PLAN - STAGE 1	SHEET 414	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\TEMP SIGNALS\04_STH 13\04_024101-ST-1SPRING26.DWG
LAYOUT NAME - 024101-st
PLOT DATE : 2/3/2026 10:55 AM PLOT BY : BIEBERITZ, BEN PLOT NAME : PLOT SCALE : 1 IN:40 FT

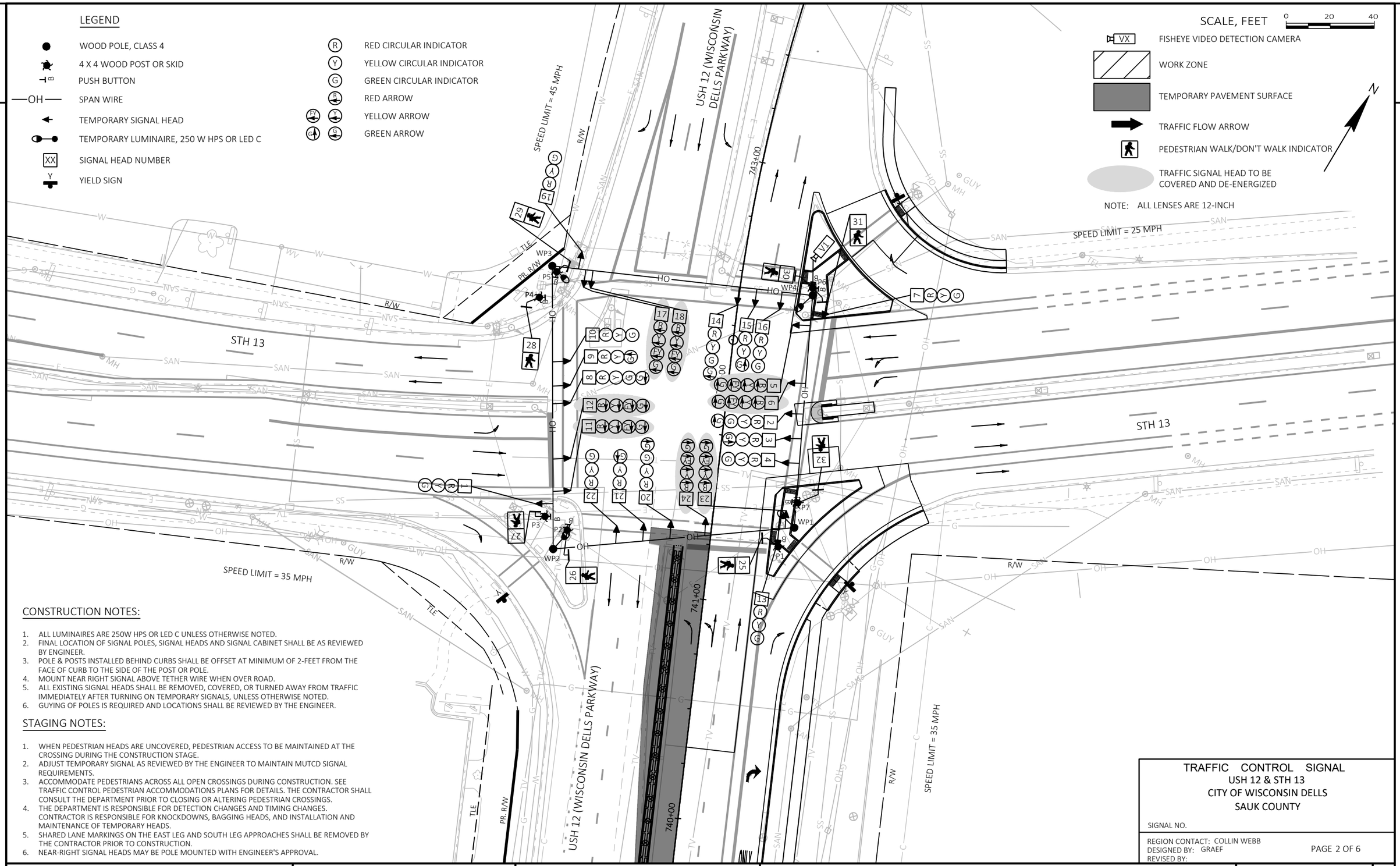
LEGEND

- WOOD POLE, CLASS 4
- 4 X 4 WOOD POST OR SKID
- PUSH BUTTON
- OH — SPAN WIRE
- TEMPORARY SIGNAL HEAD
- TEMPORARY LUMINAIRE, 250 W HPS OR LED C
- XX — SIGNAL HEAD NUMBER
- Y — YIELD SIGN
- R — RED CIRCULAR INDICATOR
- Y — YELLOW CIRCULAR INDICATOR
- G — GREEN CIRCULAR INDICATOR
- RA — RED ARROW
- EY — YELLOW ARROW
- GA — GREEN ARROW

SCALE, FEET 0 20 40

- VX — FISHEYE VIDEO DETECTION CAMERA
- WORK ZONE
- TEMPORARY PAVEMENT SURFACE
- TRAFFIC FLOW ARROW
- PEDESTRIAN WALK/DON'T WALK INDICATOR
- TRAFFIC SIGNAL HEAD TO BE COVERED AND DE-ENERGIZED

NOTE: ALL LENSES ARE 12-INCH



CONSTRUCTION NOTES:

1. ALL LUMINAIRES ARE 250W HPS OR LED C UNLESS OTHERWISE NOTED.
2. FINAL LOCATION OF SIGNAL POLES, SIGNAL HEADS AND SIGNAL CABINET SHALL BE AS REVIEWED BY ENGINEER.
3. POLE & POSTS INSTALLED BEHIND CURBS SHALL BE OFFSET AT MINIMUM OF 2-FEET FROM THE FACE OF CURB TO THE SIDE OF THE POST OR POLE.
4. MOUNT NEAR RIGHT SIGNAL ABOVE TETHER WIRE WHEN OVER ROAD.
5. ALL EXISTING SIGNAL HEADS SHALL BE REMOVED, COVERED, OR TURNED AWAY FROM TRAFFIC IMMEDIATELY AFTER TURNING ON TEMPORARY SIGNALS, UNLESS OTHERWISE NOTED.
6. GUYING OF POLES IS REQUIRED AND LOCATIONS SHALL BE REVIEWED BY THE ENGINEER.

STAGING NOTES:

1. WHEN PEDESTRIAN HEADS ARE UNCOVERED, PEDESTRIAN ACCESS TO BE MAINTAINED AT THE CROSSING DURING THE CONSTRUCTION STAGE.
2. ADJUST TEMPORARY SIGNAL AS REVIEWED BY THE ENGINEER TO MAINTAIN MUTCD SIGNAL REQUIREMENTS.
3. ACCOMMODATE PEDESTRIANS ACROSS ALL OPEN CROSSINGS DURING CONSTRUCTION. SEE TRAFFIC CONTROL PEDESTRIAN ACCOMMODATIONS PLANS FOR DETAILS. THE CONTRACTOR SHALL CONSULT THE DEPARTMENT PRIOR TO CLOSING OR ALTERING PEDESTRIAN CROSSINGS.
4. THE DEPARTMENT IS RESPONSIBLE FOR DETECTION CHANGES AND TIMING CHANGES. CONTRACTOR IS RESPONSIBLE FOR KNOCKDOWNS, BAGGING HEADS, AND INSTALLATION AND MAINTENANCE OF TEMPORARY HEADS.
5. SHARED LANE MARKINGS ON THE EAST LEG AND SOUTH LEG APPROACHES SHALL BE REMOVED BY THE CONTRACTOR PRIOR TO CONSTRUCTION.
6. NEAR-RIGHT SIGNAL HEADS MAY BE POLE MOUNTED WITH ENGINEER'S APPROVAL.

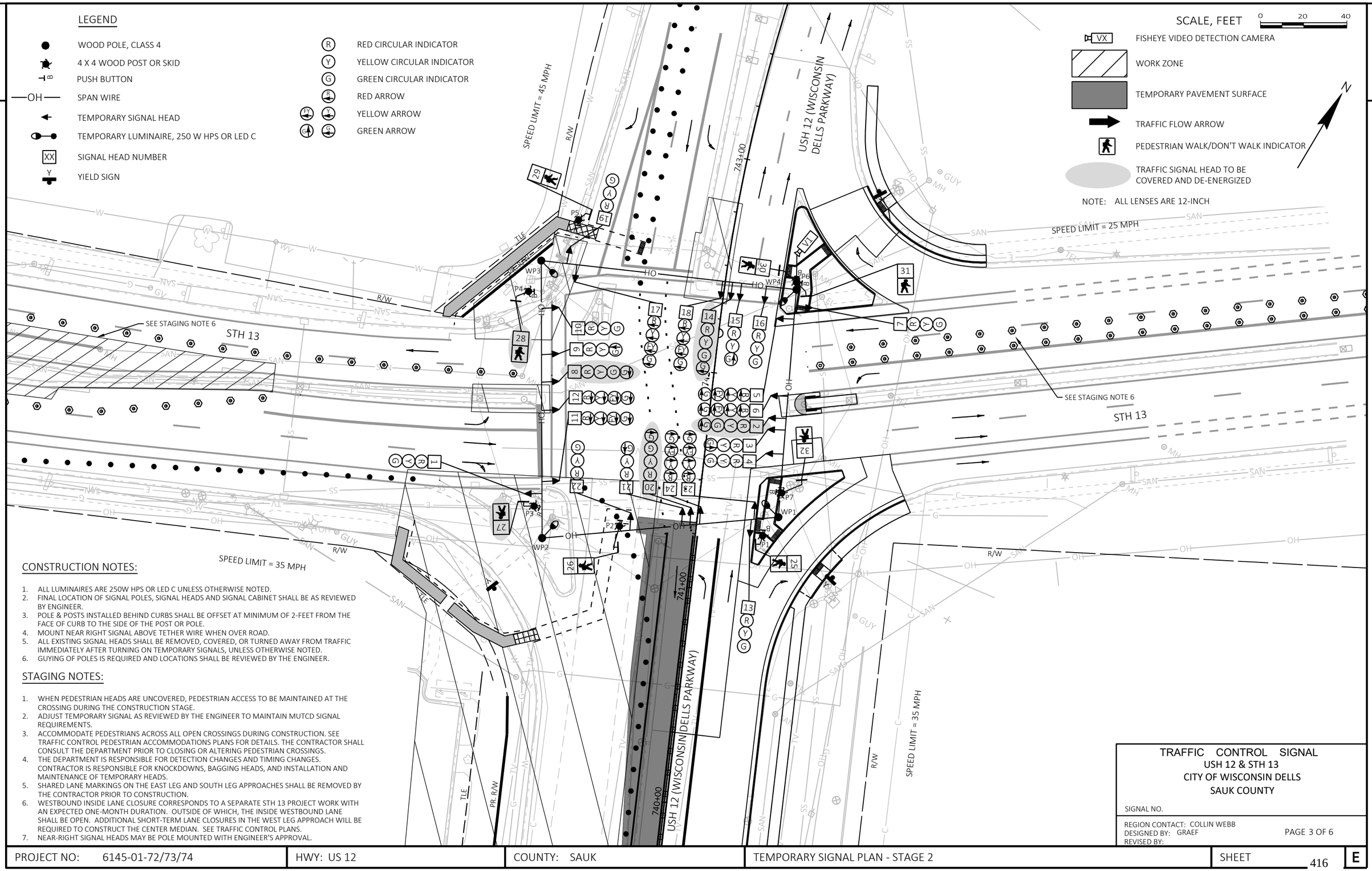
TRAFFIC CONTROL SIGNAL
USH 12 & STH 13
CITY OF WISCONSIN DELLS
SAUK COUNTY

SIGNAL NO.

REGION CONTACT: COLLIN WEBB
DESIGNED BY: GRAEF
REVISED BY:

PROJECT NO: 6145-01-72/73/74	HWY: US 12	COUNTY: SAUK	TEMPORARY SIGNAL PLAN - POST STAGE 1	SHEET 415	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\TEMP SIGNALS\04_STH 13\04_024101-ST-1POST26.DWG
LAYOUT NAME - 024101-st
PLOT DATE : 2/3/2026 10:55 AM PLOT BY : BIEBERITZ, BEN PLOT NAME : PLOT SCALE : 1 IN:40 FT



CONSTRUCTION NOTES:

1. ALL LUMINAIRES ARE 250W HPS OR LED C UNLESS OTHERWISE NOTED.
2. FINAL LOCATION OF SIGNAL POLES, SIGNAL HEADS AND SIGNAL CABINET SHALL BE AS REVIEWED BY ENGINEER.
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STAGING NOTES:

1. WHEN PEDESTRIAN HEADS ARE UNCOVERED, PEDESTRIAN ACCESS TO BE MAINTAINED AT THE CROSSING DURING THE CONSTRUCTION STAGE.
2. ADJUST TEMPORARY SIGNAL AS REVIEWED BY THE ENGINEER TO MAINTAIN MUTCD SIGNAL REQUIREMENTS.
3. ACCOMMODATE PEDESTRIANS ACROSS ALL OPEN CROSSINGS DURING CONSTRUCTION. SEE TRAFFIC CONTROL PEDESTRIAN ACCOMMODATIONS PLANS FOR DETAILS. THE CONTRACTOR SHALL CONSULT THE DEPARTMENT PRIOR TO CLOSING OR ALTERING PEDESTRIAN CROSSINGS.
4. THE DEPARTMENT IS RESPONSIBLE FOR DETECTION CHANGES AND TIMING CHANGES. CONTRACTOR IS RESPONSIBLE FOR KNOCKDOWNS, BAGGING HEADS, AND INSTALLATION AND MAINTENANCE OF TEMPORARY HEADS.
5. SHARED LANE MARKINGS ON THE EAST LEG AND SOUTH LEG APPROACHES SHALL BE REMOVED BY THE CONTRACTOR PRIOR TO CONSTRUCTION.
6. WESTBOUND INSIDE LANE CLOSURE CORRESPONDS TO A SEPARATE STH 13 PROJECT WORK WITH AN EXPECTED ONE-MONTH DURATION. OUTSIDE OF WHICH, THE INSIDE WESTBOUND LANE SHALL BE OPEN. ADDITIONAL SHORT-TERM LANE CLOSURES IN THE WEST LEG APPROACH WILL BE REQUIRED TO CONSTRUCT THE CENTER MEDIAN. SEE TRAFFIC CONTROL PLANS.
7. NEAR-RIGHT SIGNAL HEADS MAY BE POLE MOUNTED WITH ENGINEER'S APPROVAL.

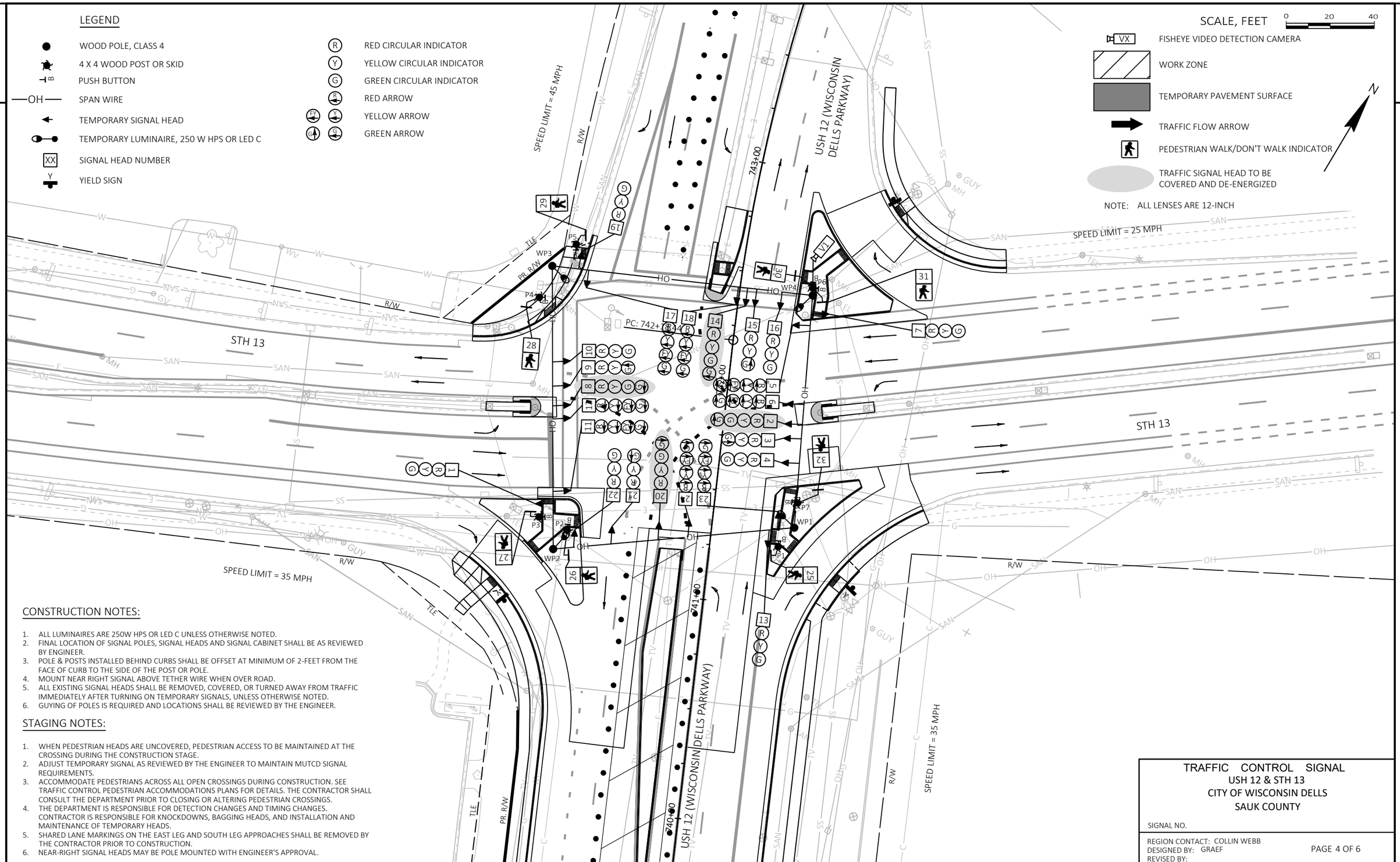
TRAFFIC CONTROL SIGNAL
USH 12 & STH 13
CITY OF WISCONSIN DELLS
SAUK COUNTY

SIGNAL NO.

REGION CONTACT: COLLIN WEBB
DESIGNED BY: GRAEF
REVISED BY:

PAGE 3 OF 6

PROJECT NO: 6145-01-72/73/74	HWY: US 12	COUNTY: SAUK	TEMPORARY SIGNAL PLAN - STAGE 2	SHEET 416	E



CONSTRUCTION NOTES:

1. ALL LUMINAIRES ARE 250W HPS OR LED C UNLESS OTHERWISE NOTED.
2. FINAL LOCATION OF SIGNAL POLES, SIGNAL HEADS AND SIGNAL CABINET SHALL BE AS REVIEWED BY ENGINEER.
3. POLE & POSTS INSTALLED BEHIND CURBS SHALL BE OFFSET AT MINIMUM OF 2-FEET FROM THE FACE OF CURB TO THE SIDE OF THE POST OR POLE.
4. MOUNT NEAR RIGHT SIGNAL ABOVE TETHER WIRE WHEN OVER ROAD.
5. ALL EXISTING SIGNAL HEADS SHALL BE REMOVED, COVERED, OR TURNED AWAY FROM TRAFFIC IMMEDIATELY AFTER TURNING ON TEMPORARY SIGNALS, UNLESS OTHERWISE NOTED.
6. GUYING OF POLES IS REQUIRED AND LOCATIONS SHALL BE REVIEWED BY THE ENGINEER.

STAGING NOTES:

1. WHEN PEDESTRIAN HEADS ARE UNCOVERED, PEDESTRIAN ACCESS TO BE MAINTAINED AT THE CROSSING DURING THE CONSTRUCTION STAGE.
2. ADJUST TEMPORARY SIGNAL AS REVIEWED BY THE ENGINEER TO MAINTAIN MUTCD SIGNAL REQUIREMENTS.
3. ACCOMMODATE PEDESTRIANS ACROSS ALL OPEN CROSSINGS DURING CONSTRUCTION. SEE TRAFFIC CONTROL PEDESTRIAN ACCOMMODATIONS PLANS FOR DETAILS. THE CONTRACTOR SHALL CONSULT THE DEPARTMENT PRIOR TO CLOSING OR ALTERING PEDESTRIAN CROSSINGS.
4. THE DEPARTMENT IS RESPONSIBLE FOR DETECTION CHANGES AND TIMING CHANGES. CONTRACTOR IS RESPONSIBLE FOR KNOCKDOWNS, BAGGING HEADS, AND INSTALLATION AND MAINTENANCE OF TEMPORARY HEADS.
5. SHARED LANE MARKINGS ON THE EAST LEG AND SOUTH LEG APPROACHES SHALL BE REMOVED BY THE CONTRACTOR PRIOR TO CONSTRUCTION.
6. NEAR-RIGHT SIGNAL HEADS MAY BE POLE MOUNTED WITH ENGINEER'S APPROVAL.

TRAFFIC CONTROL SIGNAL
USH 12 & STH 13
CITY OF WISCONSIN DELLS
SAUK COUNTY

SIGNAL NO.

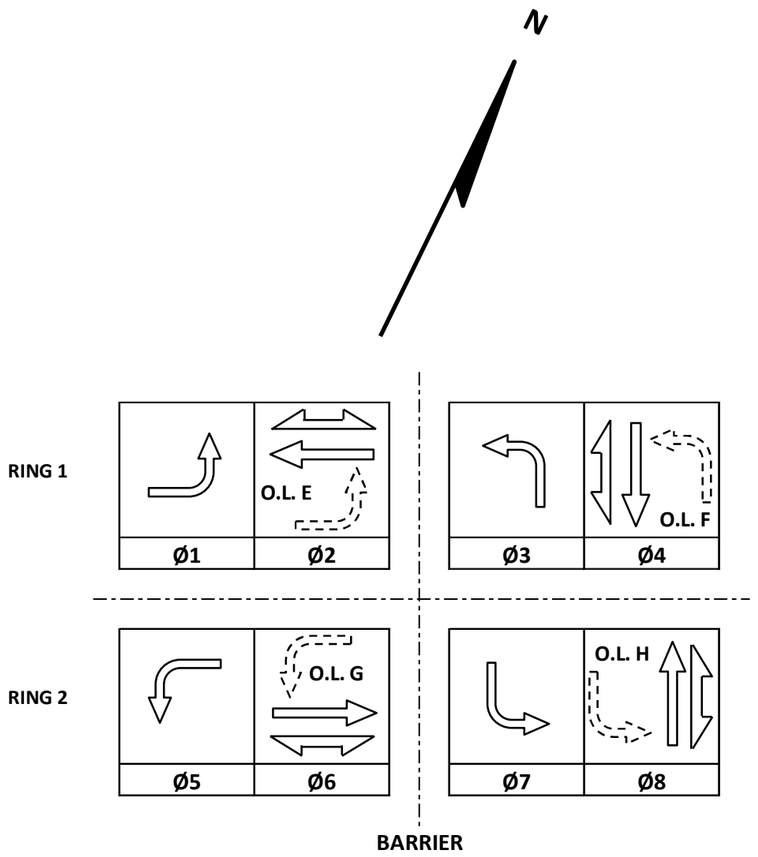
REGION CONTACT: COLLIN WEBB
DESIGNED BY: GRAEF
REVISED BY:

PAGE 4 OF 6

PROJECT NO: 6145-01-72/73/74	HWY: US 12	COUNTY: SAUK	TEMPORARY SIGNAL PLAN - STAGE 3	SHEET 417	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\TEMP SIGNALS\04_STH 13\04_024101-ST-3SPRING27.DWG
LAYOUT NAME - 024101-st
PLOT DATE : 2/3/2026 10:56 AM
PLOT BY : BIEBERITZ, BEN
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

	HEAD NUMBERS	FLASH
Ø1	5,6	R ←
Ø2	7,9,10	R
Ø3	17,18	R ←
Ø4	19,21,22	R
Ø5	11,12	R ←
Ø6	1,3,4	R
Ø7	23,24	R ←
Ø8	13,15,16	R
Ø2P	29,30	
Ø4P	27,28	
Ø6P	25,26	
Ø8P	31,32	
OLE	5,6	-
OLF	17,18	-
OLG	11,12	-
OLH	23,24	-



CONTROLLER LOGIC

PHASE NUMBER	PHASE LOCKING	DUAL ENTRY W / Ø	PHASE RECALL	PHASE ACTIVE
1		5		X
2	X	6	MIN	X
3		7		X
4		8		X
5		1		X
6	X	2	MIN	X
7		3		X
8		4		X

TYPE OF INTERCONNECT/COMMUNICATION	
NONE	
CLOSED LOOP	
TWISTED PAIR	
FIBER OPTIC*	
FIBER OPTIC (ETHERNET)	
RADIO	
CELL MODEM	X

TYPE OF COORDINATION	
NONE	
TBC	X
TRAFFIC RESPONSIVE	
ADAPTIVE	
*LOCATION OF MASTER CONTROLLER NO:	S-
SIGNAL SYSTEM NO:	SS-

TYPE OF LIGHTING	
BY OTHER AGENCY	
IN TRAFFIC CABINET	X
IN SEPARATE DOT LIGHTING CABINET	

TYPE OF PRE-EMPT	
NONE	X
RAILROAD	
EMERGENCY VEHICLE	
GTT	
TOMAR	
HARDWIRE	
OTHER	
CONFIRMATION LIGHTS	
LIFT BRIDGE	
QUEUE DETECTION	

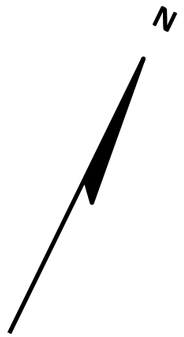
GENERAL NOTES:

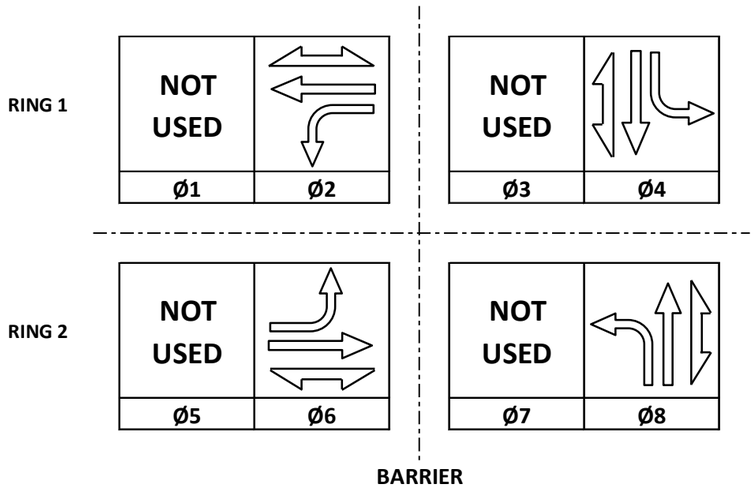
1. REFER TO TRAFFIC CONTROL PEDESTRIAN ACCOMODATIONS PLANS FOR WHERE PEDESTRIANS ARE ACCOMODATED DURING CONSTRUCTION STAGING. CONTRACTOR SHALL CONSULT THE DEPARTMENT PRIOR TO CLOSING OR ALTERING PEDESTRIAN CROSSINGS.
2. PEDESTRIAN PHASES SHALL RUN ON PUSH BUTTON ACTUATION.
3. SHORT-TERM SUBSTAGE 1B WILL REQUIRE SPLIT PHASE FOR THE EAST AND WEST LEGS, WITH NO EAST OR WEST PHASE OPERATING CONCURRENTLY. CONSULT THE TEMPORARY SEQUENCE OF OPERATIONS CHART FOR POST STAGE 1 SUMMER 2026 FOR SPLIT PHASE OPERATIONS.

USH 12 & STH 13
CITY OF WISCONSIN DELLS
SAUK COUNTY

SIGNAL NO: CABINET TYPE: TS2
CONTROLLER TYPE: ECONOLITE
DATE: 2/26 PAGE NO. 5 OF 6

	HEAD NUMBERS	FLASH
Ø1		
Ø2	7,8,9,10	R
Ø3		
Ø4	19,20,21,22	R
Ø5		
Ø6	1,2,3,4	R
Ø7		
Ø8	13,14,15,16	R
Ø2P	29,30	
Ø4P	27,28	
Ø6P	25,26	
Ø8P	31,32	
OLE		-
OLF		-
OLG		-
OLH		-





CONTROLLER LOGIC

PHASE NUMBER	PHASE LOCKING	DUAL ENTRY W / Ø	PHASE RECALL	PHASE ACTIVE
1				
2	X	2	MIN	X
3				
4		4		X
5				
6	X	6	MIN	X
7				
8		8		X

TYPE OF INTERCONNECT/COMMUNICATION	
NONE	
CLOSED LOOP	
TWISTED PAIR	
FIBER OPTIC*	
FIBER OPTIC (ETHERNET)	
RADIO	
CELL MODEM	X

TYPE OF COORDINATION	
NONE	
TBC	X
TRAFFIC RESPONSIVE	
ADAPTIVE	
*LOCATION OF MASTER CONTROLLER NO:	S-
SIGNAL SYSTEM NO:	SS-

TYPE OF LIGHTING	
BY OTHER AGENCY	
IN TRAFFIC CABINET	X
IN SEPARATE DOT LIGHTING CABINET	

TYPE OF PRE-EMPT	
NONE	X
RAILROAD	
EMERGENCY VEHICLE	
GTT	
TOMAR	
HARDWIRE	
OTHER	
CONFIRMATION LIGHTS	
LIFT BRIDGE	
QUEUE DETECTION	

GENERAL NOTES:

1. REFER TO TRAFFIC CONTROL PEDESTRIAN ACCOMODATIONS PLANS FOR WHERE PEDESTRIANS ARE ACCOMODATED DURING CONSTRUCTION STAGING. CONTRACTOR SHALL CONSULT THE DEPARTMENT PRIOR TO CLOSING OR ALTERING PEDESTRIAN CROSSINGS.
2. PEDESTRIAN PHASES SHALL RUN ON PUSH BUTTON ACTUATION.
3. ALL APPROACHES SHALL OPERATE AS SPLIT PHASE, NO PHASE MAY OPERATE CONCURRENTLY.

USH 12 & STH 13
CITY OF WISCONSIN DELLS
SAUK COUNTY

SIGNAL NO:	CABINET TYPE: TS2
	CONTROLLER TYPE: ECONOLITE
DATE: 2/26	PAGE NO. 6 OF 6

FILE NAME : _____ PLOT DATE : _____ PLOT BY : _____ PLOT NAME : _____ PLOT SCALE : 1:1

GENERAL NOTES:

1) THE CONTRACTOR SHALL HAVE THE PULL BOXES AND CONDUIT INSPECTED THREE WORKING DAYS PRIOR TO PLACING SIGNAL CABLE IN TO THE SYSTEM. CONTACT WISDOT ELECTRICAL FIELD UNIT (608-785-9080) TO MAKE ARRANGEMENTS
2) CENTER HEADS CONTROLLING THROUGH MOVEMENTS OVER RECEIVING LANE
   CENTER HEADS CONTROLLING LEFT TURN MOVEMENTS OVER APPROACH LANE EXTENDED
3) THE LOCATIONS OF EXISTING UTILITIES ARE APPROXIMATE. THERE MAY BE OTHER UTILITIES WITHIN THE PROJECT WHICH ARE NOT SHOWN
4) ALL LUMINAIRES ARE LED C
5) INSTALL RETROREFLECTIVE BACKPLATES ON ALL SIGNAL HEADS
6) NON-INTRUSIVE DETECTION TO BE INSTALLED BY WISDOT
7) INSTALL CABINET AT OR ABOVE ROADWAY ELEVATION
8) GROUNDING CONDUCTOR RING SHALL BE PULLED THROUGH EVERY SIGNAL BASE
9) CONFIRM LOCATION OF ALL CONCRETE BASES WITH ENGINEER PRIOR TO INSTALLATION.
10) CONFIRM ADA COMPLIANCE OF ALL PEDESTRIAN PUSH BUTTONS WITH ENGINEER PRIOR TO INSTALLATION.

LEGEND

- SERVICE POLE
- CONTROL CABINET
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- LOOP DETECTOR CONDUIT 1" NONMETALLIC
- SIGNAL HEAD, TRAFFIC SIGNAL STANDARD, PEDESTAL BASE
- (XX) MONOTUBE BASE, POLE, 15'-30' ARM
- (XX) MONOTUBE BASE, POLE, 35'-45' ARM
- (XX) MONOTUBE BASE, POLE, 35'-55' ARM
- PEDESTRIAN HEAD
- PUSH BUTTON
- PULL BOX, 24" X 42"
- XX SIGNAL HEAD NUMBER
- R RED CIRCULAR INDICATOR
- Y YELLOW CIRCULAR INDICATOR
- G GREEN CIRCULAR INDICATOR
- R R RED ARROW
- FY Y YELLOW ARROW
- LG G GREEN ARROW
- PEDESTRIAN COUNTDOWN TIMER, 16 INCH

NOTES:
- ALL LENSES ARE 12-INCH
- GRAYSHADE REPRESENTS EXISTING

N

MONOTUBE STRUCTURE NUMBERS

SB2	S-56-4001-0002
SB4	S-56-4001-0004
SB7	S-56-4001-0007
SB9	S-56-4001-0009

TRAFFIC CONTROL SIGNAL
USH 12 & STH 13/16/23
CITY OF WISCONSIN DELLS
SAUK COUNTY

SIGNAL NO. S56-0005
CABINET TYPE: TS2
CONTROLLER TYPE: ECONOLITE

WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVAL RECOMMENDED
DATE _____ REGION TRAFFIC ENGINEER

APPROVED
DATE _____ STATE TRAFFIC ENGINEER

REGION CONTACT: COLLIN WEBB
DESIGNED BY: COLLIN WEBB
REVISED BY:

PAGE 01 OF XX

PROJECT NO: 6145-01-74	HWY: USH 12	COUNTY: SAUK	TRAFFIC SIGNAL PLAN - USH 12 & STH 13/16/23	SHEET 420	E

FILE NAME : C:\BOXDRV\BOX\DTSD-PROJECTS-PUBLIC\SWR-PROJECTS-STATE\DESIGN\61450100\TRAFFIC\ELECTRICAL\SIGNALS\CADD\SIGNAL-6145-01-00_USH12.DWG
LAYOUT NAME - 024201-sp
PLOT DATE : 5/16/2025 12:02 PM PLOT BY : WEBB, COLLIN J PLOT NAME : PLOT SCALE : 1 IN:40 FT

USH 12 & STH 13/16/23 TRAFFIC SIGNAL CABLING 14 AWG CABLE								
HOME RUN	CABLE	INDICATION/WIRE COLOR						
		BLK	WHT	RED	GRN	ORG	BLU	WHT/BLK
SC1 - SB1	7/C	1-DW	NEUTRAL	3-RED	3-GRN	3-YEL	1-WALK	
SC1 - SB2	7/C	1-DW	NEUTRAL	4-RED	4-GRN	4-YEL	1-WALK	
SC1 - SB3	7/C	4-DW	NEUTRAL	1-RED	1-GRN	1-YEL	4-WALK	
SC1 - SB4	5/C		NEUTRAL	2-RED	2-GRN	2-YEL		
SC1 - SB5	5/C	4-DW	NEUTRAL		4-WALK			
SC1 - SB6	7/C	2-DW	NEUTRAL	4-RED	4-GRN	4-YEL	2-WALK	
SC1 - SB7	7/C	2-DW	NEUTRAL	3-RED	3-GRN	3-YEL	2-WALK	
SC1 - SB8	7/C	3-DW	NEUTRAL	2-RED	2-GRN	2-YEL	3-WALK	
SC1 - SB9	7/C	3-DW	NEUTRAL	1-RED	1-GRN	1-YEL	3-WALK	

USH 12 & STH 13/16/23 LIGHTING CABLING UF 2-12 AWG CABLE W/ GROUND	
FROM	TO
SC1	SB1
SB1	SB2
SB2	SB3
SB3	SB4
SC1	SB9
SB9	SB8
SB8	SB7
SB7	SB6

USH 12 & STH 13/16/23 EQUIPMENT GROUNDING CONDUCTORS 10 AWG GRN XLP	
FROM	TO
SC1	SB1
SB1	SB2
SB2	SB3
SB3	SB4
SB4	SB5
SB5	SB6
SB6	SB7
SB7	SB8
SB8	SB9
SB9	SC1

USH 12 & STH 13/16/23 PEDESTRIAN DETECTION CABLING LOOP DETECTOR LEAD-IN CABLE	
FROM	TO
SC1	SB1
SC1	SB2
SC1	SB3
SC1	SB5
SC1	SB6
SC1	SB7
SC1	SB8
SC1	SB9

USH 12 & STH 13/16/23 VIDEO DETECTION CABLING STATE-FURNISHED CAT5E CABLE	
FROM	TO
SC1	SB2
SC1	SB4
SC1	SB7
SC1	SB9

TRAFFIC CONTROL SIGNAL
USH 12 & STH 13/16/23
CITY OF WISCONSIN DELLS
SAUK COUNTY

SIGNAL NO. S56-0005

REGION CONTACT: COLLIN WEBB
DESIGNED BY: COLLIN WEBB
REVISED BY:

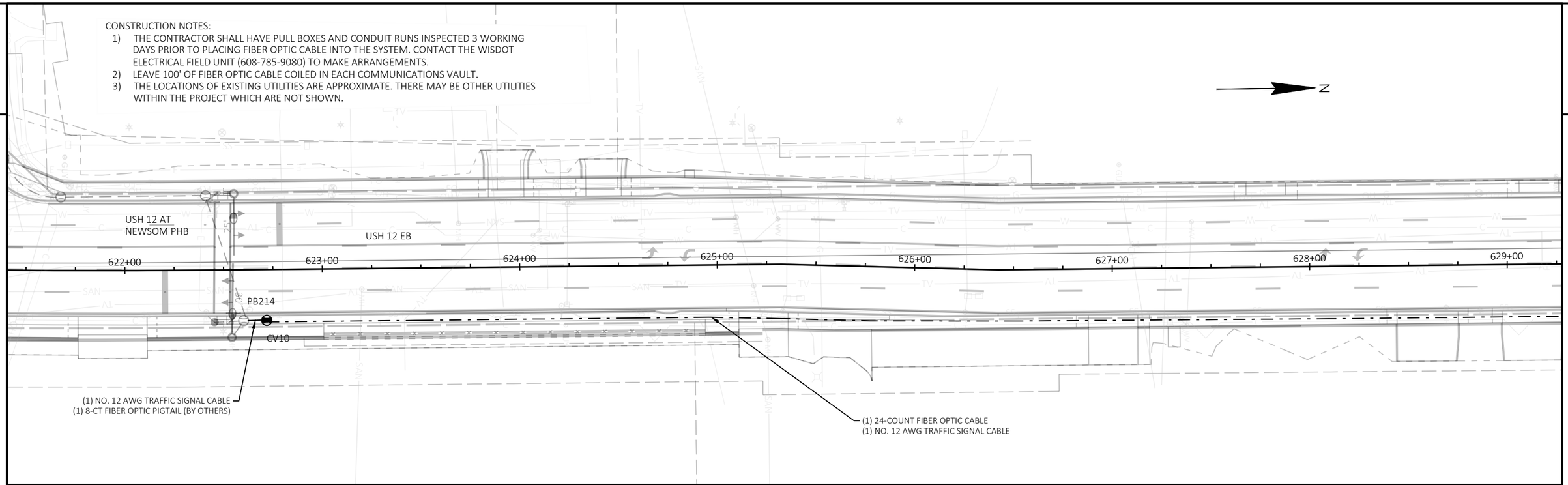
PAGE 03 OF 03

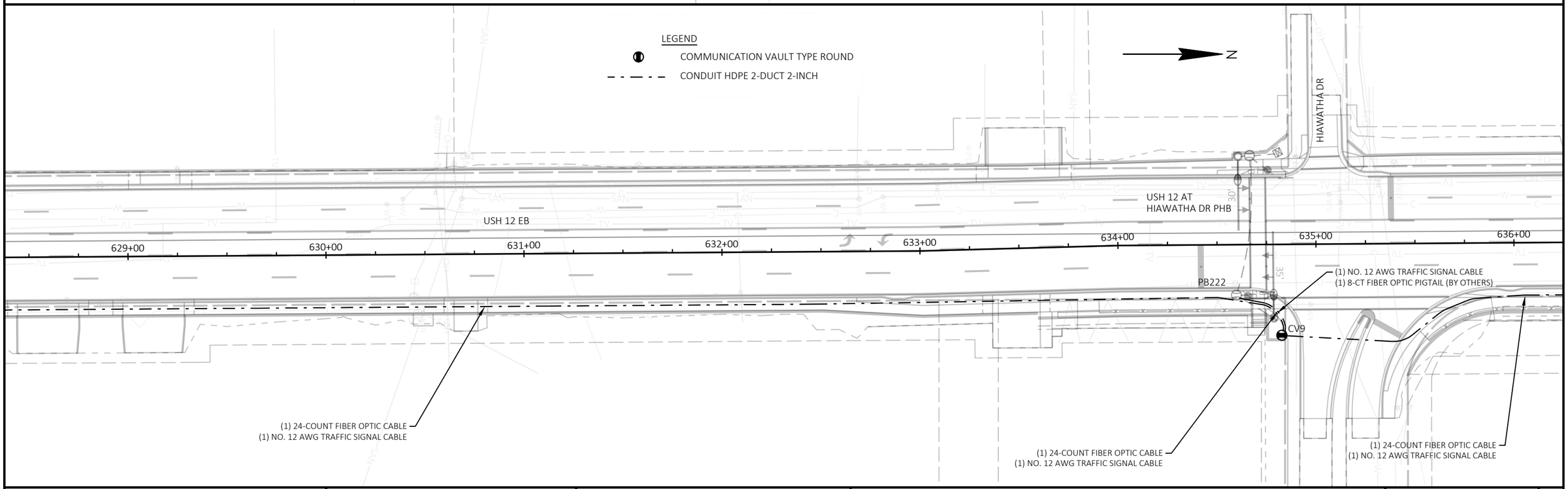
PROJECT NO: 6145-01-74	HWY: USH 12	COUNTY: SAUK	CABLE ROUTING CHART - USH 12 & STH 13/16/23	SHEET 421	E

FILE NAME : C:\BOXDRV\BOX\DTSD-PROJECTS-PUBLIC\SWR-PROJECTS-STATE\DESIGN\61450100\TRAFFIC\ELECTRICAL\SIGNALS\CADD\SIGNALCABLING-6145-01-00_USH12.DWG
LAYOUT NAME - 024401-cr
PLOT DATE : 5/16/2025 3:40 PM
PLOT BY : WEBB, COLLIN J
PLOT NAME :
PLOT SCALE :

CONSTRUCTION NOTES:

1) THE CONTRACTOR SHALL HAVE PULL BOXES AND CONDUIT RUNS INSPECTED 3 WORKING DAYS PRIOR TO PLACING FIBER OPTIC CABLE INTO THE SYSTEM. CONTACT THE WISDOT ELECTRICAL FIELD UNIT (608-785-9080) TO MAKE ARRANGEMENTS.
2) LEAVE 100' OF FIBER OPTIC CABLE COILED IN EACH COMMUNICATIONS VAULT.
3) THE LOCATIONS OF EXISTING UTILITIES ARE APPROXIMATE. THERE MAY BE OTHER UTILITIES WITHIN THE PROJECT WHICH ARE NOT SHOWN.





PROJECT NO: 6145-01-73	HWY: USH 12	COUNTY: SAUK	TRAFFIC SIGNAL INTERCONNECT PLAN	SHEET 422	E

FILE NAME : C:\BOXDRV\BOX\DTSD-PROJECTS-PUBLIC\SWR-PROJECTS-STATE\DESIGN\61450100\TRAFFIC\ELECTRICAL\SIGNALS\CADD\INTERCONNECT-6145-01-00_USH12.DWG
LAYOUT NAME - 024212-sp
PLOT DATE : 5/15/2025 6:51 PM
PLOT BY : WEBB, COLLIN J
PLOT NAME :
PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 44

2

2

RED BIRD AVE

DE KORRA LN

N

USH 12 EB

636+00 637+00 638+00 639+00 640+00 641+00 642+00 643+00

(1) 24-COUNT FIBER OPTIC CABLE
(1) NO. 12 AWG TRAFFIC SIGNAL CABLE

LEGEND

COMMUNICATION VAULT TYPE ROUND

CONDUIT HDPE 2-DUCT 2-INCH

USH 12 &
LAKE AVE

642+00 643+00 644+00 645+00 646+00 647+00 648+00 649+00

USH 12 EB

CV8

(1) 24-COUNT FIBER OPTIC CABLE
(1) NO. 12 AWG TRAFFIC SIGNAL CABLE

(1) NO. 12 AWG TRAFFIC SIGNAL CABLE
(1) 8-CT FIBER OPTIC PIGTAIL (BY OTHERS)

(1) 24-COUNT FIBER OPTIC CABLE
(1) NO. 12 AWG TRAFFIC SIGNAL CABLE

N

PROJECT NO: 6145-01-73	HWY: USH 12	COUNTY: SAUK	TRAFFIC SIGNAL INTERCONNECT PLAN	SHEET 423	E

FILE NAME : C:\BOXDRV\BOX\DTSD-PROJECTS-PUBLIC\SWR-PROJECTS-STATE\DESIGN\61450100\TRAFFIC\ELECTRICAL\SIGNALS\CADD\INTERCONNECT-6145-01-00_USH12.DWG
LAYOUT NAME - 024213-sp

PLOT DATE : 5/15/2025 6:51 PM PLOT BY : WEBB, COLLIN J PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 44

2

2

USH 12 EB

649+00

650+00

651+00

652+00

653+00

654+00

655+00

656+00

CV7

(1) 24-COUNT FIBER OPTIC CABLE
(1) NO. 12 AWG TRAFFIC SIGNAL CABLE

(1) 24-COUNT FIBER OPTIC CABLE
(1) NO. 12 AWG TRAFFIC SIGNAL CABLE

PILGRIM DR

656+00

657+00

658+00

659+00

660+00

661+00

662+00

663+00

USH 12 EB

(1) 24-COUNT FIBER OPTIC CABLE
(1) NO. 12 AWG TRAFFIC SIGNAL CABLE

LEGEND

COMMUNICATION VAULT TYPE ROUND

CONDUIT HDPE 2-DUCT 2-INCH

N

PROJECT NO: 6145-01-73	HWY: USH 12	COUNTY: SAUK	TRAFFIC SIGNAL INTERCONNECT PLAN	SHEET 424	E

FILE NAME : C:\BOXDRV\BOX\DTSD-PROJECTS-PUBLIC\SWR-PROJECTS-STATE\DESIGN\61450100\TRAFFIC\ELECTRICAL\SIGNALS\CADD\INTERCONNECT-6145-01-00_USH12.DWG
LAYOUT NAME - 024214-sp

PLOT DATE : 5/15/2025 6:51 PM PLOT BY : WEBB, COLLIN J PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 44

2

2

N

USH 12 &
OLYMPUS DR

USH 12 EB

663+00
664+00
665+00
666+00
667+00
668+00
669+00
670+00

(1) NO. 12 AWG TRAFFIC SIGNAL CABLE
(1) 8-CT FIBER OPTIC PIGTAIL (BY OTHERS)

30'

CV6

(1) 24-COUNT FIBER OPTIC CABLE
(1) NO. 12 AWG TRAFFIC SIGNAL CABLE

(1) 24-COUNT FIBER OPTIC CABLE
(1) NO. 12 AWG TRAFFIC SIGNAL CABLE

USH 12 EB

670+00
671+00
672+00
673+00
674+00
675+00
676+00
677+00

(1) 24-COUNT FIBER OPTIC CABLE
(1) NO. 12 AWG TRAFFIC SIGNAL CABLE

N

LEGEND

COMMUNICATION VAULT TYPE ROUND

CONDUIT HDPE 2-DUCT 2-INCH

PROJECT NO: 6145-01-72/73	HWY: USH 12	COUNTY: SAUK	TRAFFIC SIGNAL INTERCONNECT PLAN	SHEET 425	E

FILE NAME : C:\BOXDRV\BOX\DTSD-PROJECTS-PUBLIC\SWR-PROJECTS-STATE\DESIGN\61450100\TRAFFIC\ELECTRICAL\SIGNALS\CADD\INTERCONNECT-6145-01-00_USH12.DWG
LAYOUT NAME - 024215-sp

PLOT DATE : 5/15/2025 6:52 PM

PLOT BY : WEBB, COLLIN J

PLOT NAME :

PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 44

2

2

USH 12 AT
BONANZA PHB

USH 12 EB

677+00 678+00 679+00 680+00 681+00 682+00 683+00 684+00

PB201

CV5

(1) NO. 12 AWG TRAFFIC SIGNAL CABLE
(1) 8-CT FIBER OPTIC PIGTAIL (BY OTHERS)

(1) 24-COUNT FIBER OPTIC CABLE
(1) NO. 12 AWG TRAFFIC SIGNAL CABLE

(1) 24-COUNT FIBER OPTIC CABLE
(1) NO. 12 AWG TRAFFIC SIGNAL CABLE

USH 12 EB

684+00 685+00 686+00 687+00 688+00 689+00 690+00 691+00

BONANZA DR

(1) 24-COUNT FIBER OPTIC CABLE
(1) NO. 12 AWG TRAFFIC SIGNAL CABLE

LEGEND

COMMUNICATION VAULT TYPE ROUND

CONDUIT HDPE 2-DUCT 2-INCH

PROJECT NO: 6145-01-72	HWY: USH 12	COUNTY: SAUK	TRAFFIC SIGNAL INTERCONNECT PLAN	SHEET 426	E

FILE NAME : C:\BOXDRV\BOX\DTSD-PROJECTS-PUBLIC\SWR-PROJECTS-STATE\DESIGN\61450100\TRAFFIC\ELECTRICAL\SIGNALS\CADD\INTERCONNECT-6145-01-00_USH12.DWG
LAYOUT NAME - 024216-sp
PLOT DATE : 5/15/2025 6:52 PM
PLOT BY : WEBB, COLLIN J
PLOT NAME :
PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 44

2

2

USH 12 EB

691+00 692+00 693+00 694+00 695+00 696+00 697+00 698+00

CV4

(1) 24-COUNT FIBER OPTIC CABLE
(1) NO. 12 AWG TRAFFIC SIGNAL CABLE

(1) 24-COUNT FIBER OPTIC CABLE
(1) NO. 12 AWG TRAFFIC SIGNAL CABLE

N

USH 12 EB

698+00 699+00 700+00 701+00 702+00 703+00 704+00 705+00

(1) 24-COUNT FIBER OPTIC CABLE
(1) NO. 12 AWG TRAFFIC SIGNAL CABLE

N

LEGEND

COMMUNICATION VAULT TYPE ROUND

CONDUIT HDPE 2-DUCT 2-INCH

PROJECT NO: 6145-01-72	HWY: USH 12	COUNTY: SAUK	TRAFFIC SIGNAL INTERCONNECT PLAN	SHEET 427	E

FILE NAME : C:\BOXDRV\BOX\DTSD-PROJECTS-PUBLIC\SWR-PROJECTS-STATE\DESIGN\61450100\TRAFFIC\ELECTRICAL\SIGNALS\CADD\INTERCONNECT-6145-01-00_USH12.DWG
LAYOUT NAME - 024217-sp

PLOT DATE : 5/15/2025 6:52 PM PLOT BY : WEBB, COLLIN J PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 44

2

2

N

705+00

706+00

707+00

708+00

709+00

710+00

711+00

712+00

USH 12 EB

LEGEND

COMMUNICATION VAULT TYPE ROUND

CONDUIT HDPE 2-DUCT 2-INCH

(1) 24-COUNT FIBER OPTIC CABLE
(1) NO. 12 AWG TRAFFIC SIGNAL CABLE

N

713+00

714+00

USH 12 & CTH A

USH 12 EB

715+00

716+00

717+00

718+00

719+00

720+00

55'

55'

30'

(1) 24-COUNT FIBER OPTIC CABLE
(1) NO. 12 AWG TRAFFIC SIGNAL CABLE

CV3

(1) NO. 12 AWG TRAFFIC SIGNAL CABLE
(1) 8-CT FIBER OPTIC PIGTAIL (BY OTHERS)

(1) 24-COUNT FIBER OPTIC CABLE
(1) NO. 12 AWG TRAFFIC SIGNAL CABLE

PROJECT NO: 6145-01-72/74	HWY: USH 12	COUNTY: SAUK	TRAFFIC SIGNAL INTERCONNECT PLAN	SHEET 428	E

FILE NAME : C:\BOXDRV\BOX\DTSD-PROJECTS-PUBLIC\SWR-PROJECTS-STATE\DESIGN\61450100\TRAFFIC\ELECTRICAL\SIGNALS\CADD\INTERCONNECT-6145-01-00_USH12.DWG
LAYOUT NAME - 024218-sp

PLOT DATE : 5/15/2025 6:52 PM

PLOT BY : WEBB, COLLIN J

PLOT NAME :

PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 44

2

2

N

720+00
721+00
722+00
723+00
724+00
725+00
726+00
727+00

USH 12 &
DELLSHIRE DR

USH 12 EB

(1) 24-COUNT FIBER OPTIC CABLE
(1) NO. 12 AWG TRAFFIC SIGNAL CABLE

PB22

CV2

(1) NO. 12 AWG TRAFFIC SIGNAL CABLE
(1) 8-CT FIBER OPTIC PIGTAIL (BY OTHERS)

(1) 24-COUNT FIBER OPTIC CABLE
(1) NO. 12 AWG TRAFFIC SIGNAL CABLE

LEGEND

COMMUNICATION VAULT TYPE ROUND

CONDUIT HDPE 2-DUCT 2-INCH

727+00
728+00
729+00
730+00
731+00
732+00
733+00
734+00

USH 12 EB

(1) 24-COUNT FIBER OPTIC CABLE
(1) NO. 12 AWG TRAFFIC SIGNAL CABLE

PROJECT NO: 6145-01-74	HWY: USH 12	COUNTY: SAUK	TRAFFIC SIGNAL INTERCONNECT PLAN	SHEET 429	E

FILE NAME : C:\BOXDRV\BOX\DTSD-PROJECTS-PUBLIC\SWR-PROJECTS-STATE\DESIGN\61450100\TRAFFIC\ELECTRICAL\SIGNALS\CADD\INTERCONNECT-6145-01-00_USH12.DWG
LAYOUT NAME - 024219-sp

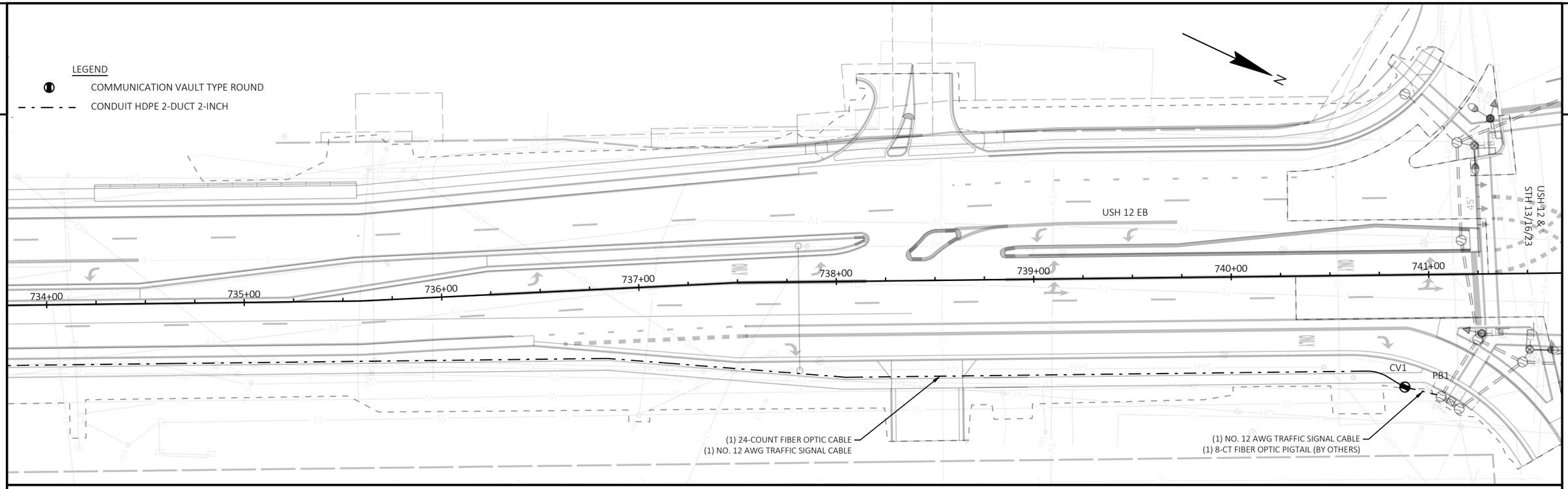
PLOT DATE : 5/15/2025 6:52 PM PLOT BY : WEBB, COLLIN J PLOT NAME : PLOT SCALE : 1 IN:50 FT

2

LEGEND

COMMUNICATION VAULT TYPE ROUND

CONDUIT HDPE 2-DUCT 2-INCH



2

PROJECT NO: 6145-01-74	HWY: USH 12	COUNTY: SAUK	TRAFFIC SIGNAL INTERCONNECT PLAN	SHEET 430	E

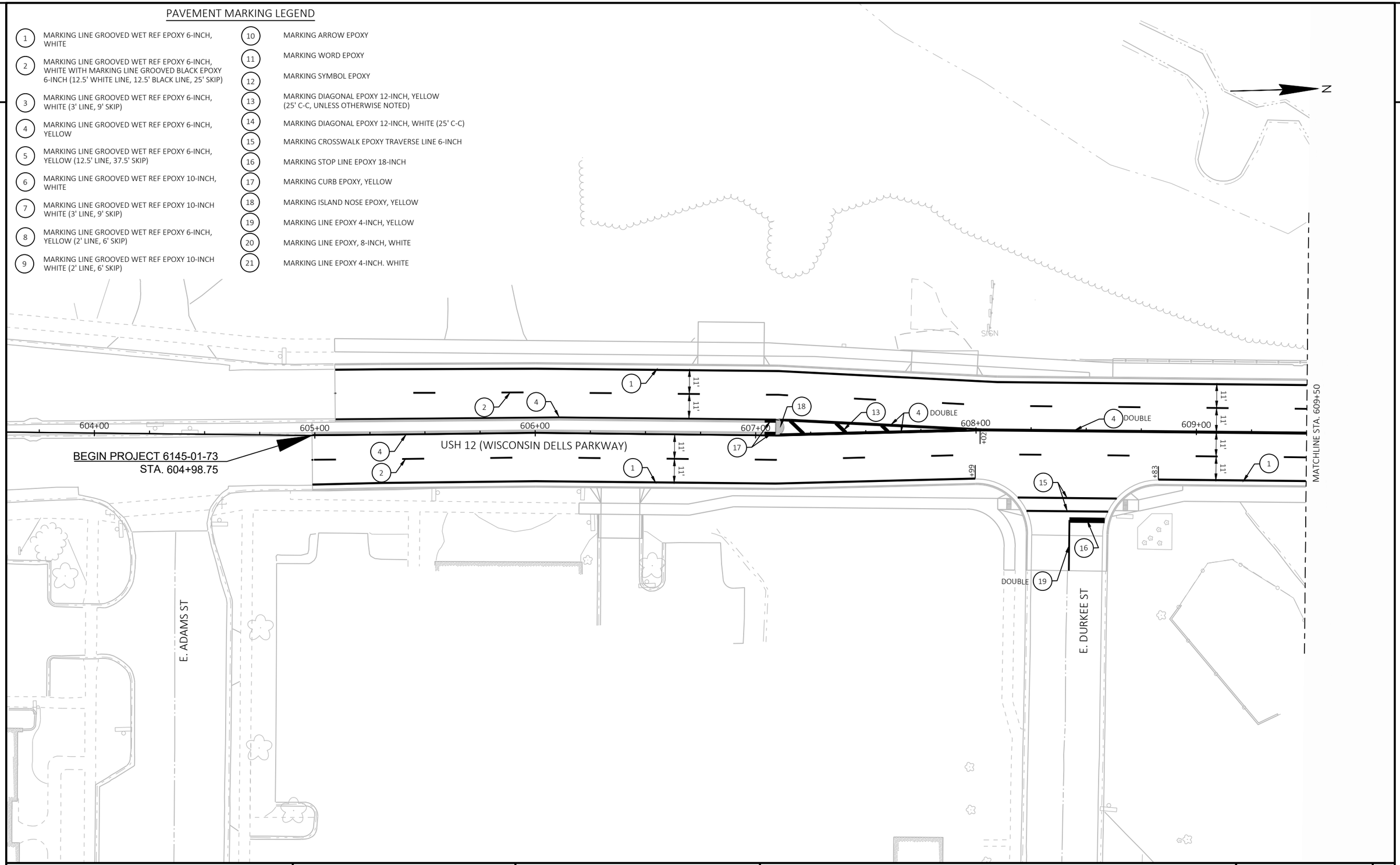
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LAYOUT NAME - 024220-sp

PLOT DATE : 5/15/2025 6:52 PM PLOT BY : WEBB, COLLIN J PLOT NAME : PLOT SCALE : 1 IN:50 FT

2

PAVEMENT MARKING LEGEND

1. MARKING LINE GROOVED WET REF EPOXY 6-INCH, WHITE
2. MARKING LINE GROOVED WET REF EPOXY 6-INCH, WHITE WITH MARKING LINE GROOVED BLACK EPOXY 6-INCH (12.5' WHITE LINE, 12.5' BLACK LINE, 25' SKIP)
3. MARKING LINE GROOVED WET REF EPOXY 6-INCH, WHITE (3' LINE, 9' SKIP)
4. MARKING LINE GROOVED WET REF EPOXY 6-INCH, YELLOW
5. MARKING LINE GROOVED WET REF EPOXY 6-INCH, YELLOW (12.5' LINE, 37.5' SKIP)
6. MARKING LINE GROOVED WET REF EPOXY 10-INCH, WHITE
7. MARKING LINE GROOVED WET REF EPOXY 10-INCH WHITE (3' LINE, 9' SKIP)
8. MARKING LINE GROOVED WET REF EPOXY 6-INCH, YELLOW (2' LINE, 6' SKIP)
9. MARKING LINE GROOVED WET REF EPOXY 10-INCH WHITE (2' LINE, 6' SKIP)
10. MARKING ARROW EPOXY
11. MARKING WORD EPOXY
12. MARKING SYMBOL EPOXY
13. MARKING DIAGONAL EPOXY 12-INCH, YELLOW (25' C-C, UNLESS OTHERWISE NOTED)
14. MARKING DIAGONAL EPOXY 12-INCH, WHITE (25' C-C)
15. MARKING CROSSWALK EPOXY TRAVERSE LINE 6-INCH
16. MARKING STOP LINE EPOXY 18-INCH
17. MARKING CURB EPOXY, YELLOW
18. MARKING ISLAND NOSE EPOXY, YELLOW
19. MARKING LINE EPOXY 4-INCH, YELLOW
20. MARKING LINE EPOXY, 8-INCH, WHITE
21. MARKING LINE EPOXY 4-INCH. WHITE



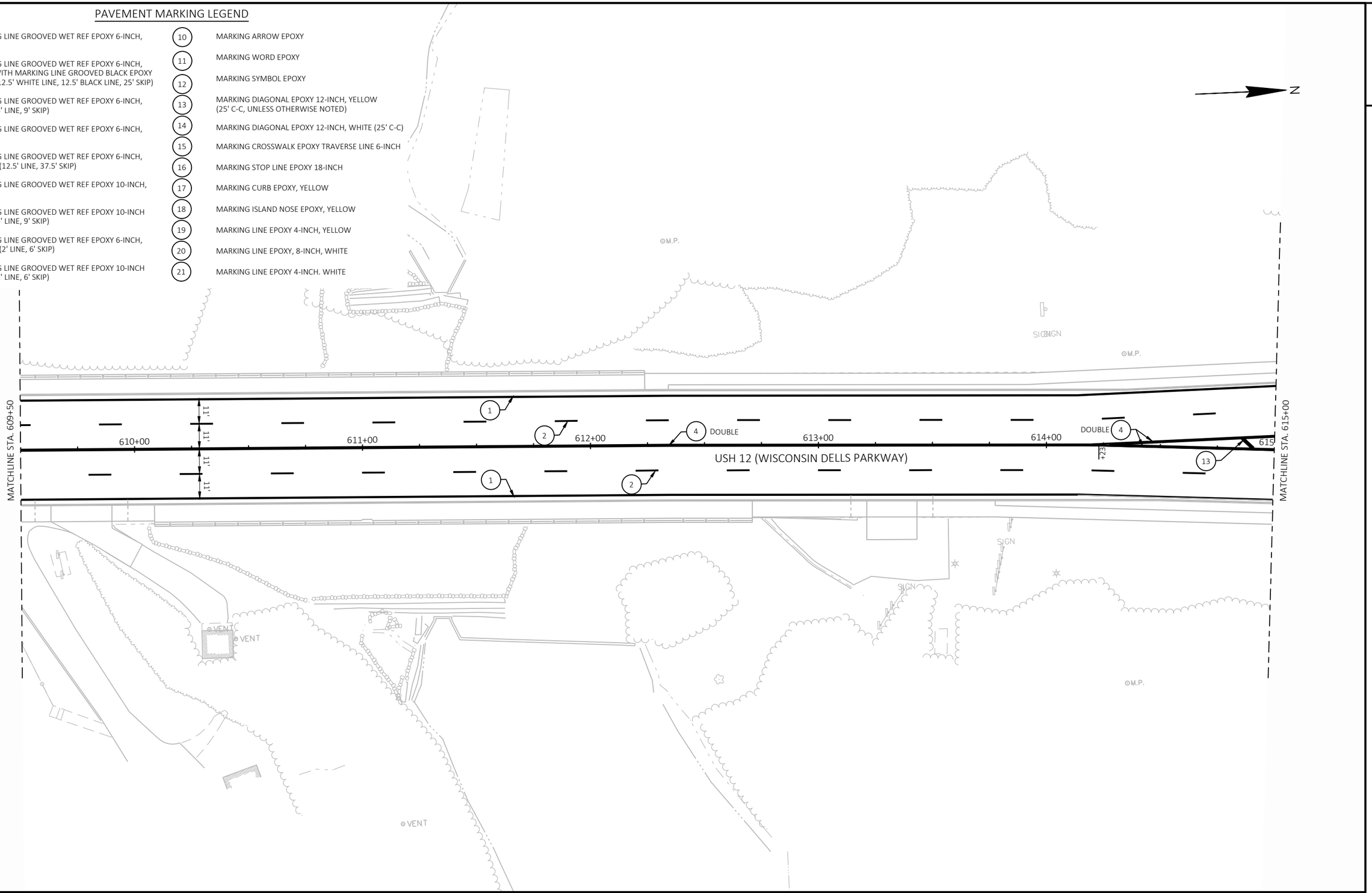
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PROJECT NO: 6145-01-73	HWY: USH 12	COUNTY: SAUK	PAVEMENT MARKING	SHEET 431	E

2

PAVEMENT MARKING LEGEND

1. MARKING LINE GROOVED WET REF EPOXY 6-INCH, WHITE
2. MARKING LINE GROOVED WET REF EPOXY 6-INCH, WHITE WITH MARKING LINE GROOVED BLACK EPOXY 6-INCH (12.5' WHITE LINE, 12.5' BLACK LINE, 25' SKIP)
3. MARKING LINE GROOVED WET REF EPOXY 6-INCH, WHITE (3' LINE, 9' SKIP)
4. MARKING LINE GROOVED WET REF EPOXY 6-INCH, YELLOW
5. MARKING LINE GROOVED WET REF EPOXY 6-INCH, YELLOW (12.5' LINE, 37.5' SKIP)
6. MARKING LINE GROOVED WET REF EPOXY 10-INCH, WHITE
7. MARKING LINE GROOVED WET REF EPOXY 10-INCH WHITE (3' LINE, 9' SKIP)
8. MARKING LINE GROOVED WET REF EPOXY 6-INCH, YELLOW (2' LINE, 6' SKIP)
9. MARKING LINE GROOVED WET REF EPOXY 10-INCH WHITE (2' LINE, 6' SKIP)
10. MARKING ARROW EPOXY
11. MARKING WORD EPOXY
12. MARKING SYMBOL EPOXY
13. MARKING DIAGONAL EPOXY 12-INCH, YELLOW (25' C-C, UNLESS OTHERWISE NOTED)
14. MARKING DIAGONAL EPOXY 12-INCH, WHITE (25' C-C)
15. MARKING CROSSWALK EPOXY TRAVERSE LINE 6-INCH
16. MARKING STOP LINE EPOXY 18-INCH
17. MARKING CURB EPOXY, YELLOW
18. MARKING ISLAND NOSE EPOXY, YELLOW
19. MARKING LINE EPOXY 4-INCH, YELLOW
20. MARKING LINE EPOXY, 8-INCH, WHITE
21. MARKING LINE EPOXY 4-INCH. WHITE



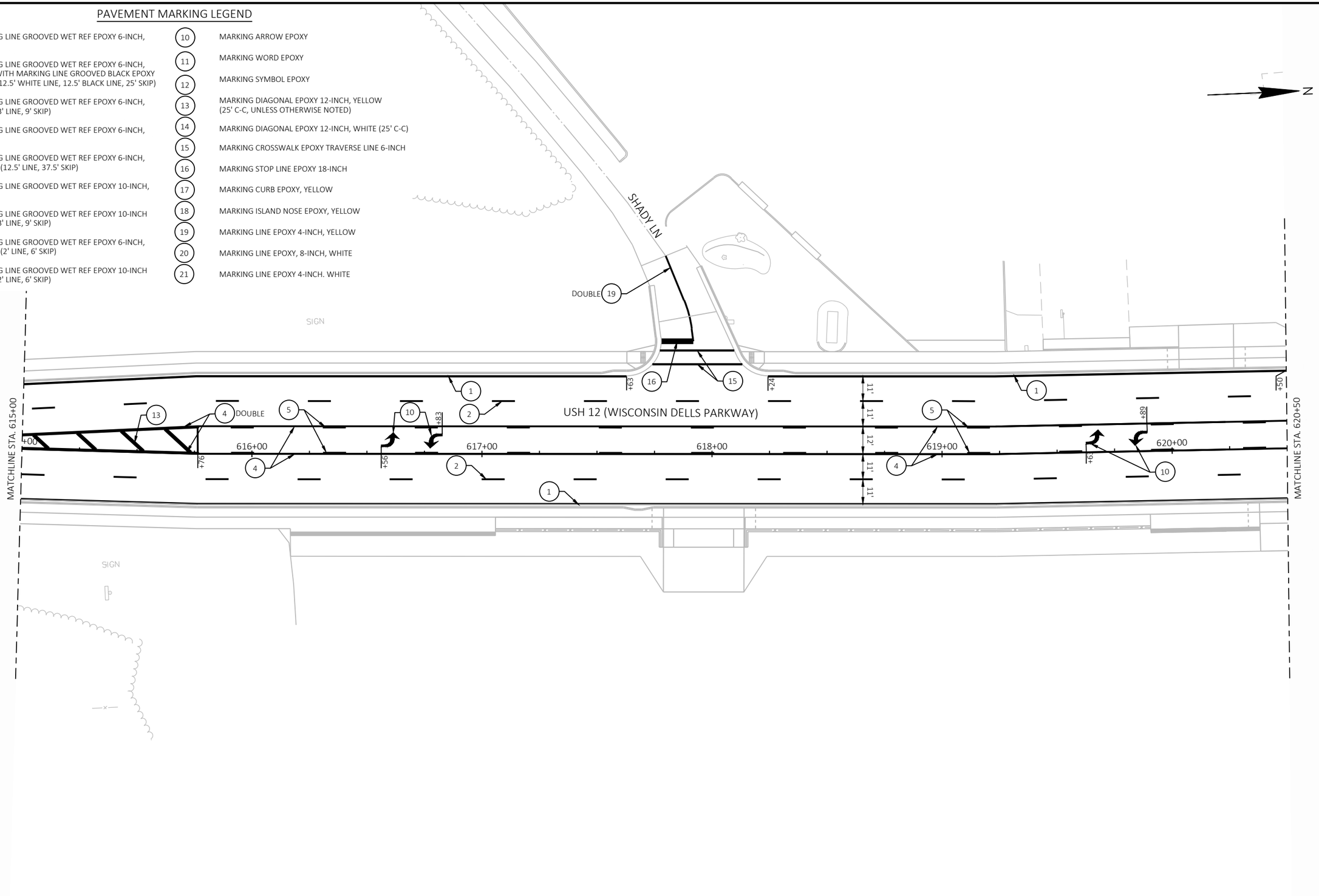
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PROJECT NO: 6145-01-73	HWY: USH 12	COUNTY: SAUK	PAVEMENT MARKING	SHEET 432	E

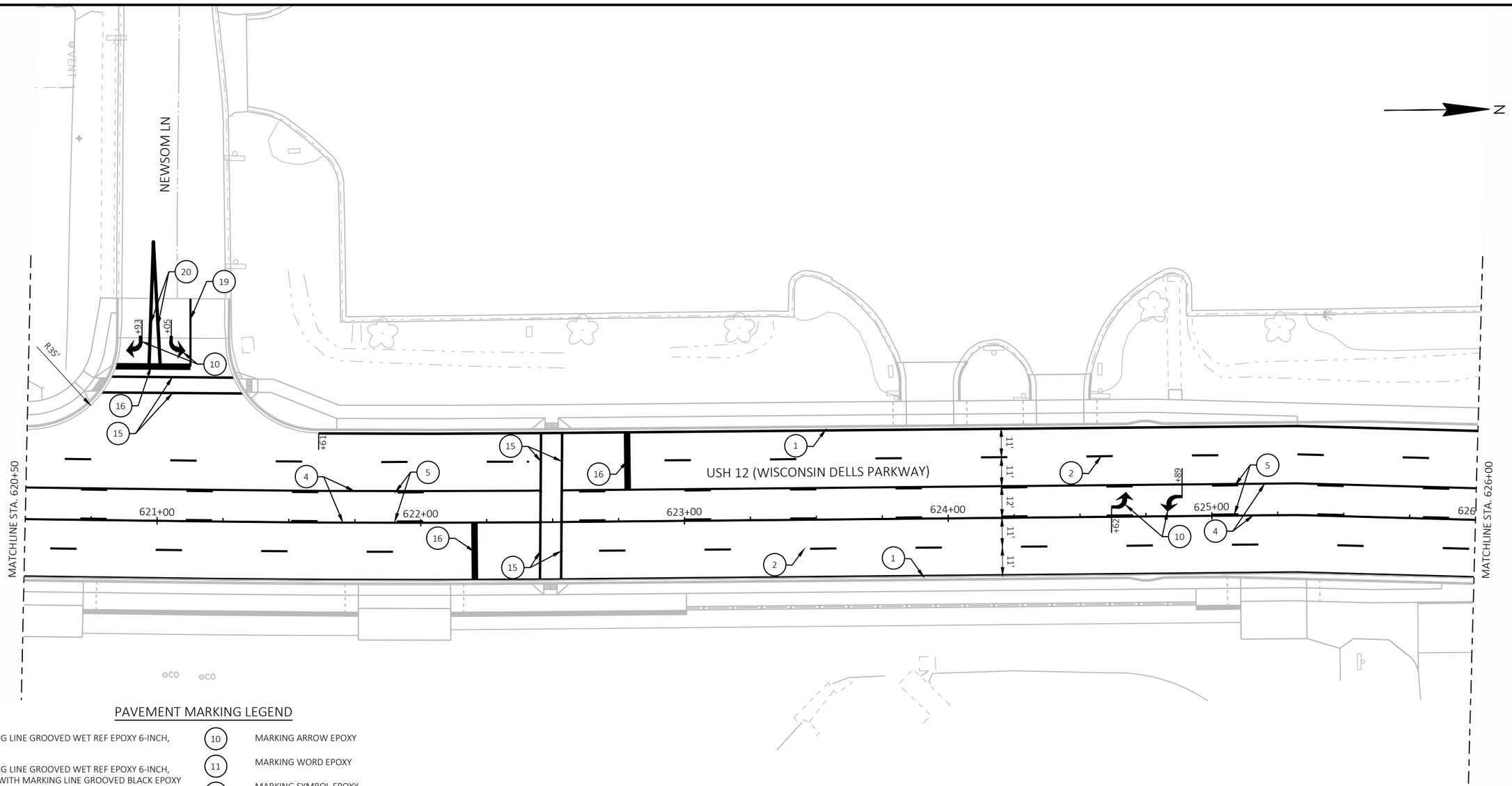
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LAYOUT NAME - 024502-pm
PLOT DATE : 6/17/2025 2:49 PM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:40 FT

PAVEMENT MARKING LEGEND

1. MARKING LINE GROOVED WET REF EPOXY 6-INCH, WHITE
2. MARKING LINE GROOVED WET REF EPOXY 6-INCH, WHITE WITH MARKING LINE GROOVED BLACK EPOXY 6-INCH (12.5' WHITE LINE, 12.5' BLACK LINE, 25' SKIP)
3. MARKING LINE GROOVED WET REF EPOXY 6-INCH, WHITE (3' LINE, 9' SKIP)
4. MARKING LINE GROOVED WET REF EPOXY 6-INCH, YELLOW
5. MARKING LINE GROOVED WET REF EPOXY 6-INCH, YELLOW (12.5' LINE, 37.5' SKIP)
6. MARKING LINE GROOVED WET REF EPOXY 10-INCH, WHITE
7. MARKING LINE GROOVED WET REF EPOXY 10-INCH WHITE (3' LINE, 9' SKIP)
8. MARKING LINE GROOVED WET REF EPOXY 6-INCH, YELLOW (2' LINE, 6' SKIP)
9. MARKING LINE GROOVED WET REF EPOXY 10-INCH WHITE (2' LINE, 6' SKIP)
10. MARKING ARROW EPOXY
11. MARKING WORD EPOXY
12. MARKING SYMBOL EPOXY
13. MARKING DIAGONAL EPOXY 12-INCH, YELLOW (25' C-C, UNLESS OTHERWISE NOTED)
14. MARKING DIAGONAL EPOXY 12-INCH, WHITE (25' C-C)
15. MARKING CROSSWALK EPOXY TRAVERSE LINE 6-INCH
16. MARKING STOP LINE EPOXY 18-INCH
17. MARKING CURB EPOXY, YELLOW
18. MARKING ISLAND NOSE EPOXY, YELLOW
19. MARKING LINE EPOXY 4-INCH, YELLOW
20. MARKING LINE EPOXY, 8-INCH, WHITE
21. MARKING LINE EPOXY 4-INCH. WHITE



2



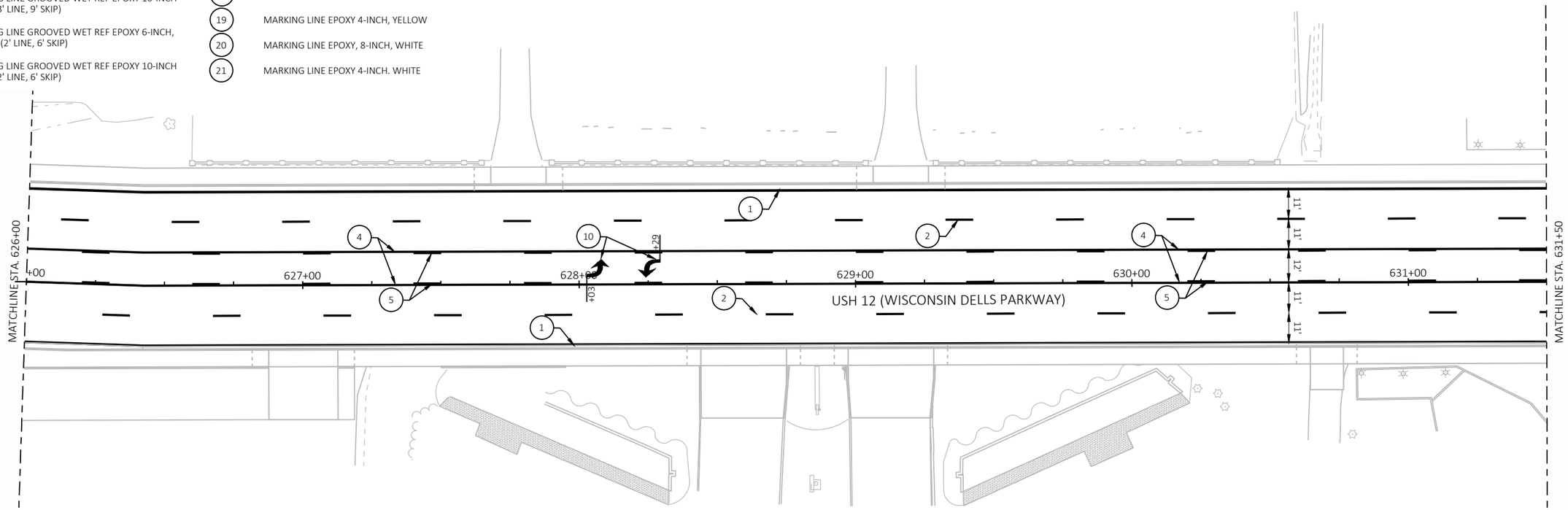
PAVEMENT MARKING LEGEND

1. MARKING LINE GROOVED WET REF EPOXY 6-INCH, WHITE
2. MARKING LINE GROOVED WET REF EPOXY 6-INCH, WHITE WITH MARKING LINE GROOVED BLACK EPOXY 6-INCH (12.5' WHITE LINE, 12.5' BLACK LINE, 25' SKIP)
3. MARKING LINE GROOVED WET REF EPOXY 6-INCH, WHITE (3' LINE, 9' SKIP)
4. MARKING LINE GROOVED WET REF EPOXY 6-INCH, YELLOW
5. MARKING LINE GROOVED WET REF EPOXY 6-INCH, YELLOW (12.5' LINE, 37.5' SKIP)
6. MARKING LINE GROOVED WET REF EPOXY 10-INCH, WHITE
7. MARKING LINE GROOVED WET REF EPOXY 10-INCH WHITE (3' LINE, 9' SKIP)
8. MARKING LINE GROOVED WET REF EPOXY 6-INCH, YELLOW (2' LINE, 6' SKIP)
9. MARKING LINE GROOVED WET REF EPOXY 10-INCH WHITE (2' LINE, 6' SKIP)
10. MARKING ARROW EPOXY
11. MARKING WORD EPOXY
12. MARKING SYMBOL EPOXY
13. MARKING DIAGONAL EPOXY 12-INCH, YELLOW (25' C-C, UNLESS OTHERWISE NOTED)
14. MARKING DIAGONAL EPOXY 12-INCH, WHITE (25' C-C)
15. MARKING CROSSWALK EPOXY TRAVERSE LINE 6-INCH
16. MARKING STOP LINE EPOXY 18-INCH
17. MARKING CURB EPOXY, YELLOW
18. MARKING ISLAND NOSE EPOXY, YELLOW
19. MARKING LINE EPOXY 4-INCH, YELLOW
20. MARKING LINE EPOXY, 8-INCH, WHITE
21. MARKING LINE EPOXY 4-INCH. WHITE

PROJECT NO: 6145-01-73	HWY: USH 12	COUNTY: SAUK	PAVEMENT MARKING	SHEET 434	E

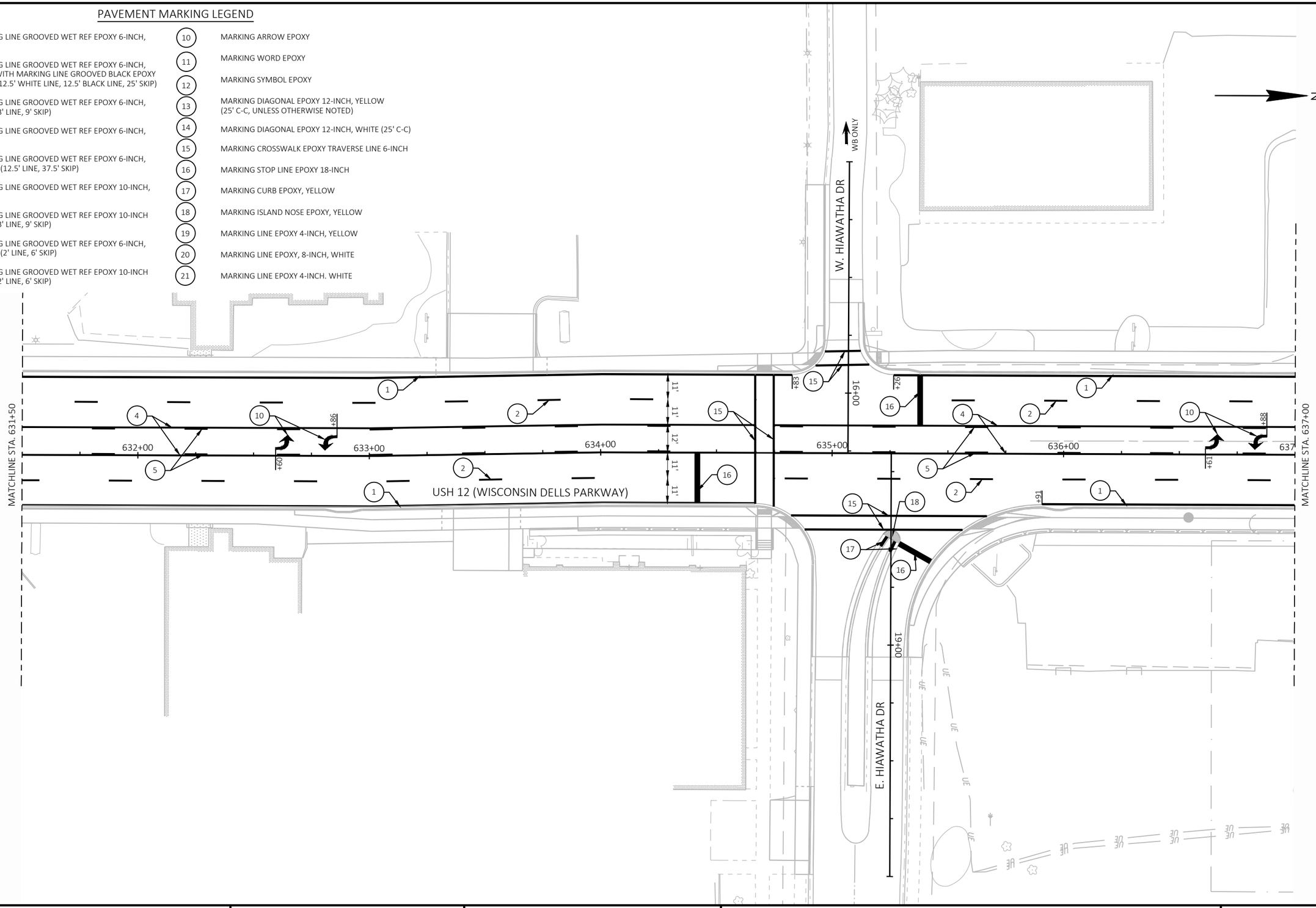
PAVEMENT MARKING LEGEND

1. MARKING LINE GROOVED WET REF EPOXY 6-INCH, WHITE
2. MARKING LINE GROOVED WET REF EPOXY 6-INCH, WHITE WITH MARKING LINE GROOVED BLACK EPOXY 6-INCH (12.5' WHITE LINE, 12.5' BLACK LINE, 25' SKIP)
3. MARKING LINE GROOVED WET REF EPOXY 6-INCH, WHITE (3' LINE, 9' SKIP)
4. MARKING LINE GROOVED WET REF EPOXY 6-INCH, YELLOW
5. MARKING LINE GROOVED WET REF EPOXY 6-INCH, YELLOW (12.5' LINE, 37.5' SKIP)
6. MARKING LINE GROOVED WET REF EPOXY 10-INCH, WHITE
7. MARKING LINE GROOVED WET REF EPOXY 10-INCH WHITE (3' LINE, 9' SKIP)
8. MARKING LINE GROOVED WET REF EPOXY 6-INCH, YELLOW (2' LINE, 6' SKIP)
9. MARKING LINE GROOVED WET REF EPOXY 10-INCH WHITE (2' LINE, 6' SKIP)
10. MARKING ARROW EPOXY
11. MARKING WORD EPOXY
12. MARKING SYMBOL EPOXY
13. MARKING DIAGONAL EPOXY 12-INCH, YELLOW (25' C-C, UNLESS OTHERWISE NOTED)
14. MARKING DIAGONAL EPOXY 12-INCH, WHITE (25' C-C)
15. MARKING CROSSWALK EPOXY TRAVERSE LINE 6-INCH
16. MARKING STOP LINE EPOXY 18-INCH
17. MARKING CURB EPOXY, YELLOW
18. MARKING ISLAND NOSE EPOXY, YELLOW
19. MARKING LINE EPOXY 4-INCH, YELLOW
20. MARKING LINE EPOXY, 8-INCH, WHITE
21. MARKING LINE EPOXY 4-INCH. WHITE

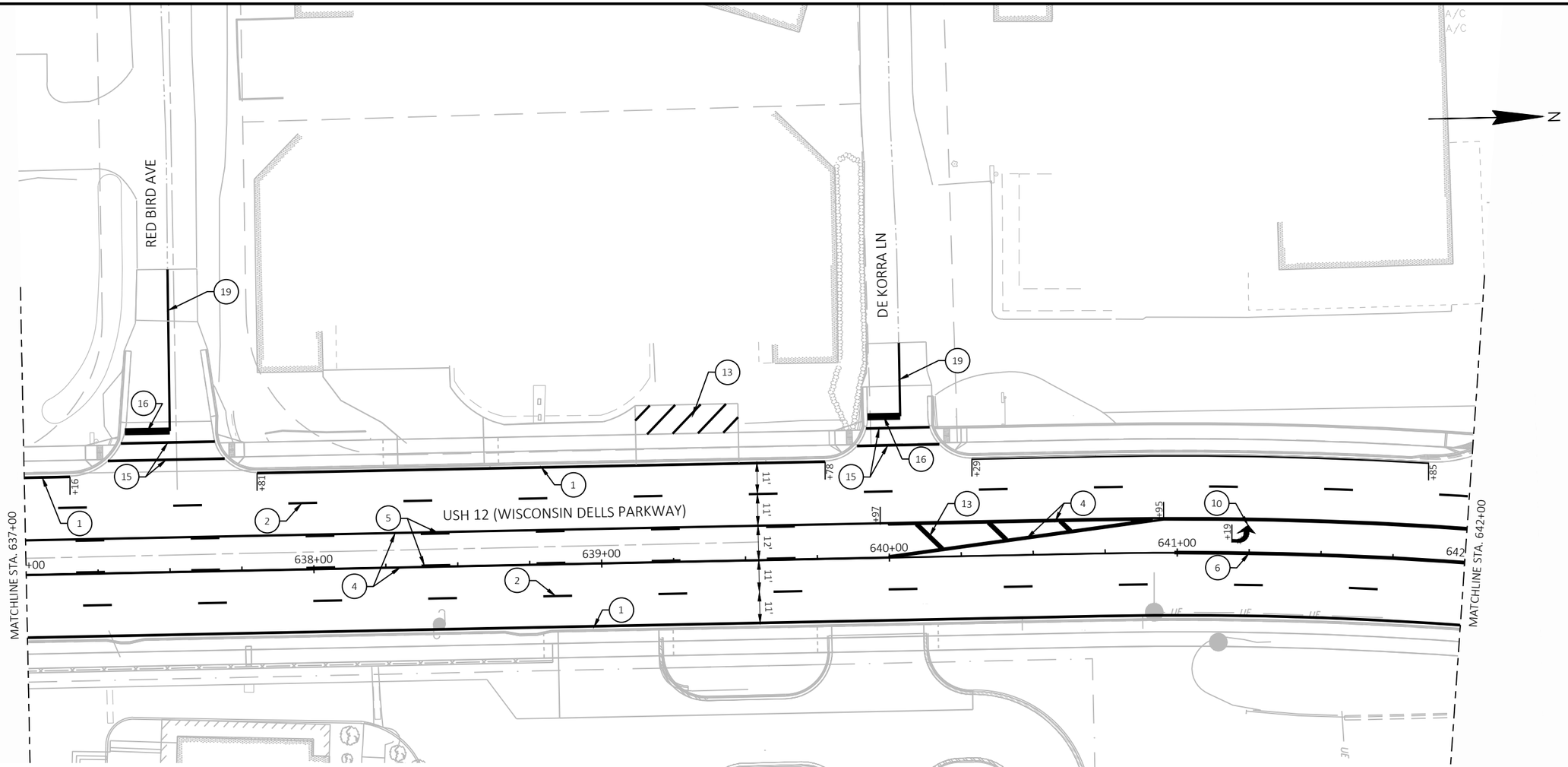


PAVEMENT MARKING LEGEND

1. MARKING LINE GROOVED WET REF EPOXY 6-INCH, WHITE
2. MARKING LINE GROOVED WET REF EPOXY 6-INCH, WHITE WITH MARKING LINE GROOVED BLACK EPOXY 6-INCH (12.5' WHITE LINE, 12.5' BLACK LINE, 25' SKIP)
3. MARKING LINE GROOVED WET REF EPOXY 6-INCH, WHITE (3' LINE, 9' SKIP)
4. MARKING LINE GROOVED WET REF EPOXY 6-INCH, YELLOW
5. MARKING LINE GROOVED WET REF EPOXY 6-INCH, YELLOW (12.5' LINE, 37.5' SKIP)
6. MARKING LINE GROOVED WET REF EPOXY 10-INCH, WHITE
7. MARKING LINE GROOVED WET REF EPOXY 10-INCH WHITE (3' LINE, 9' SKIP)
8. MARKING LINE GROOVED WET REF EPOXY 6-INCH, YELLOW (2' LINE, 6' SKIP)
9. MARKING LINE GROOVED WET REF EPOXY 10-INCH WHITE (2' LINE, 6' SKIP)
10. MARKING ARROW EPOXY
11. MARKING WORD EPOXY
12. MARKING SYMBOL EPOXY
13. MARKING DIAGONAL EPOXY 12-INCH, YELLOW (25' C-C, UNLESS OTHERWISE NOTED)
14. MARKING DIAGONAL EPOXY 12-INCH, WHITE (25' C-C)
15. MARKING CROSSWALK EPOXY TRAVERSE LINE 6-INCH
16. MARKING STOP LINE EPOXY 18-INCH
17. MARKING CURB EPOXY, YELLOW
18. MARKING ISLAND NOSE EPOXY, YELLOW
19. MARKING LINE EPOXY 4-INCH, YELLOW
20. MARKING LINE EPOXY, 8-INCH, WHITE
21. MARKING LINE EPOXY 4-INCH. WHITE



2



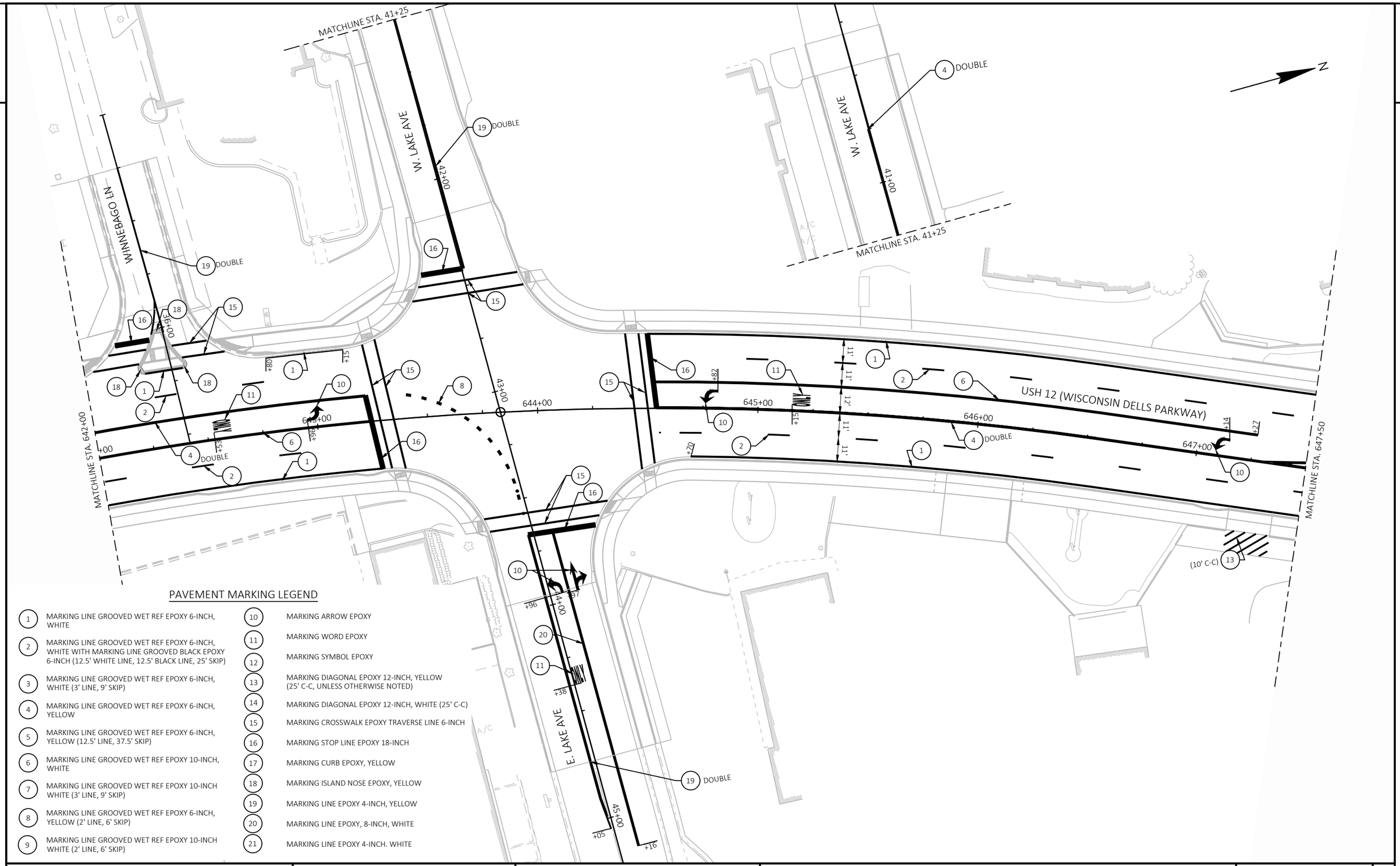
PAVEMENT MARKING LEGEND

1. MARKING LINE GROOVED WET REF EPOXY 6-INCH, WHITE
2. MARKING LINE GROOVED WET REF EPOXY 6-INCH, WHITE WITH MARKING LINE GROOVED BLACK EPOXY 6-INCH (12.5' WHITE LINE, 12.5' BLACK LINE, 25' SKIP)
3. MARKING LINE GROOVED WET REF EPOXY 6-INCH, WHITE (3' LINE, 9' SKIP)
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5. MARKING LINE GROOVED WET REF EPOXY 6-INCH, YELLOW (12.5' LINE, 37.5' SKIP)
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7. MARKING LINE GROOVED WET REF EPOXY 10-INCH WHITE (3' LINE, 9' SKIP)
8. MARKING LINE GROOVED WET REF EPOXY 6-INCH, YELLOW (2' LINE, 6' SKIP)
9. MARKING LINE GROOVED WET REF EPOXY 10-INCH WHITE (2' LINE, 6' SKIP)
10. MARKING ARROW EPOXY
11. MARKING WORD EPOXY
12. MARKING SYMBOL EPOXY
13. MARKING DIAGONAL EPOXY 12-INCH, YELLOW (25' C-C, UNLESS OTHERWISE NOTED)
14. MARKING DIAGONAL EPOXY 12-INCH, WHITE (25' C-C)
15. MARKING CROSSWALK EPOXY TRAVERSE LINE 6-INCH
16. MARKING STOP LINE EPOXY 18-INCH
17. MARKING CURB EPOXY, YELLOW
18. MARKING ISLAND NOSE EPOXY, YELLOW
19. MARKING LINE EPOXY 4-INCH, YELLOW
20. MARKING LINE EPOXY, 8-INCH, WHITE
21. MARKING LINE EPOXY 4-INCH. WHITE

PROJECT NO: 6145-01-73	HWY: USH 12	COUNTY: SAUK	PAVEMENT MARKING	SHEET 437	E

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PLOT BY : CHAPMAN, JULIE
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

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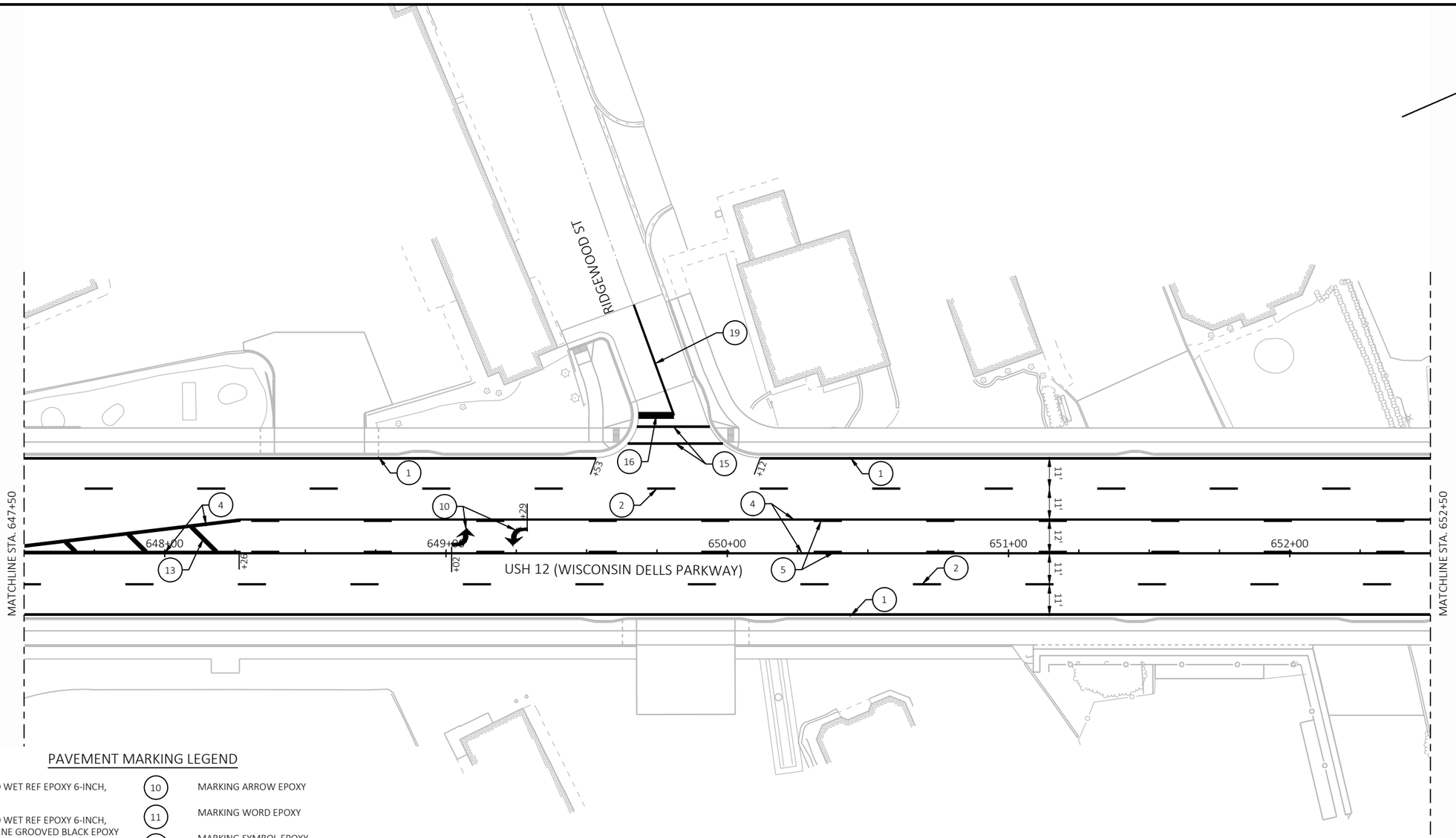
PAVEMENT MARKING LEGEND

1	MARKING LINE GROOVED WET REF EPOXY 6-INCH, WHITE
2	MARKING LINE GROOVED WET REF EPOXY 6-INCH, WHITE WITH MARKING LINE GROOVED BLACK EPOXY 6-INCH (12.5' WHITE LINE, 12.5' BLACK LINE, 25' SKIP)
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8	MARKING LINE GROOVED WET REF EPOXY 6-INCH, YELLOW (2' LINE, 6' SKIP)
9	MARKING LINE GROOVED WET REF EPOXY 10-INCH WHITE (2' LINE, 6' SKIP)
10	MARKING ARROW EPOXY
11	MARKING WORD EPOXY
12	MARKING SYMBOL EPOXY
13	MARKING DIAGONAL EPOXY 12-INCH, YELLOW (25' C-C, UNLESS OTHERWISE NOTED)
14	MARKING DIAGONAL EPOXY 12-INCH, WHITE (25' C-C)
15	MARKING CROSSWALK EPOXY TRAVERSE LINE 6-INCH
16	MARKING STOP LINE EPOXY 18-INCH
17	MARKING CURB EPOXY, YELLOW
18	MARKING ISLAND NOSE EPOXY, YELLOW
19	MARKING LINE EPOXY 4-INCH, YELLOW
20	MARKING LINE EPOXY, 8-INCH, WHITE
21	MARKING LINE EPOXY 4-INCH. WHITE

PROJECT NO: 6145-01-73	HWY: USH 12	COUNTY: SAUK	PAVEMENT MARKING	SHEET 438	E

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WISDOT/CADDS SHEET 42

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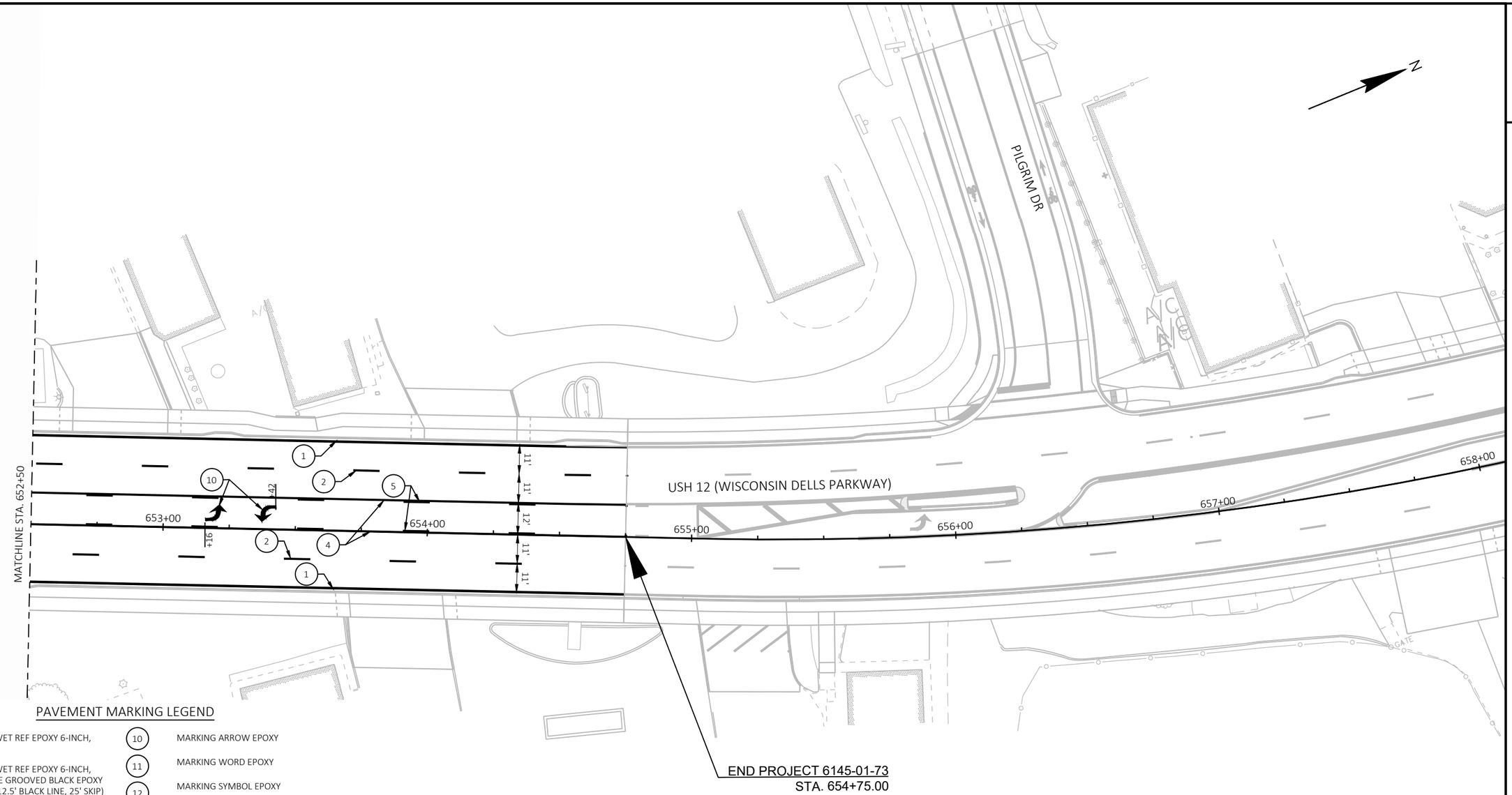
PAVEMENT MARKING LEGEND

1. MARKING LINE GROOVED WET REF EPOXY 6-INCH, WHITE
2. MARKING LINE GROOVED WET REF EPOXY 6-INCH, WHITE WITH MARKING LINE GROOVED BLACK EPOXY 6-INCH (12.5' WHITE LINE, 12.5' BLACK LINE, 25' SKIP)
3. MARKING LINE GROOVED WET REF EPOXY 6-INCH, WHITE (3' LINE, 9' SKIP)
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5. MARKING LINE GROOVED WET REF EPOXY 6-INCH, YELLOW (12.5' LINE, 37.5' SKIP)
6. MARKING LINE GROOVED WET REF EPOXY 10-INCH, WHITE
7. MARKING LINE GROOVED WET REF EPOXY 10-INCH WHITE (3' LINE, 9' SKIP)
8. MARKING LINE GROOVED WET REF EPOXY 6-INCH, YELLOW (2' LINE, 6' SKIP)
9. MARKING LINE GROOVED WET REF EPOXY 10-INCH WHITE (2' LINE, 6' SKIP)
10. MARKING ARROW EPOXY
11. MARKING WORD EPOXY
12. MARKING SYMBOL EPOXY
13. MARKING DIAGONAL EPOXY 12-INCH, YELLOW (25' C-C, UNLESS OTHERWISE NOTED)
14. MARKING DIAGONAL EPOXY 12-INCH, WHITE (25' C-C)
15. MARKING CROSSWALK EPOXY TRAVERSE LINE 6-INCH
16. MARKING STOP LINE EPOXY 18-INCH
17. MARKING CURB EPOXY, YELLOW
18. MARKING ISLAND NOSE EPOXY, YELLOW
19. MARKING LINE EPOXY 4-INCH, YELLOW
20. MARKING LINE EPOXY, 8-INCH, WHITE
21. MARKING LINE EPOXY 4-INCH. WHITE

PROJECT NO: 6145-01-73	HWY: USH 12	COUNTY: SAUK	PAVEMENT MARKING	SHEET 439	E

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WISDOT/CADDS SHEET 42

2



END PROJECT 6145-01-73
STA. 654+75.00

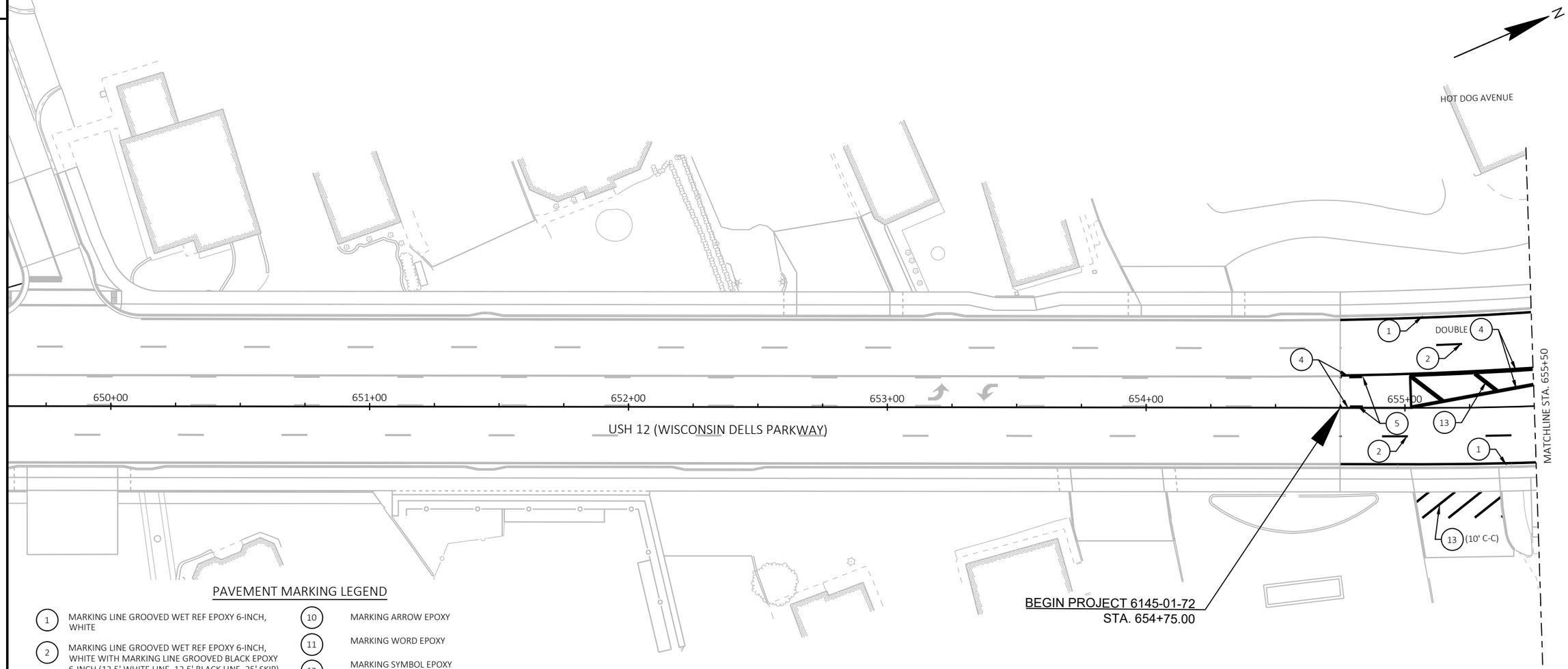
PAVEMENT MARKING LEGEND

1. MARKING LINE GROOVED WET REF EPOXY 6-INCH, WHITE
2. MARKING LINE GROOVED WET REF EPOXY 6-INCH, WHITE WITH MARKING LINE GROOVED BLACK EPOXY 6-INCH (12.5' WHITE LINE, 12.5' BLACK LINE, 25' SKIP)
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7. MARKING LINE GROOVED WET REF EPOXY 10-INCH WHITE (3' LINE, 9' SKIP)
8. MARKING LINE GROOVED WET REF EPOXY 6-INCH, YELLOW (2' LINE, 6' SKIP)
9. MARKING LINE GROOVED WET REF EPOXY 10-INCH WHITE (2' LINE, 6' SKIP)
10. MARKING ARROW EPOXY
11. MARKING WORD EPOXY
12. MARKING SYMBOL EPOXY
13. MARKING DIAGONAL EPOXY 12-INCH, YELLOW (25' C-C, UNLESS OTHERWISE NOTED)
14. MARKING DIAGONAL EPOXY 12-INCH, WHITE (25' C-C)
15. MARKING CROSSWALK EPOXY TRAVERSE LINE 6-INCH
16. MARKING STOP LINE EPOXY 18-INCH
17. MARKING CURB EPOXY, YELLOW
18. MARKING ISLAND NOSE EPOXY, YELLOW
19. MARKING LINE EPOXY 4-INCH, YELLOW
20. MARKING LINE EPOXY, 8-INCH, WHITE
21. MARKING LINE EPOXY 4-INCH. WHITE

PROJECT NO: 6145-01-73	HWY: USH 12	COUNTY: SAUK	PAVEMENT MARKING	SHEET 440	E

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WISDOT/CADDS SHEET 42

2



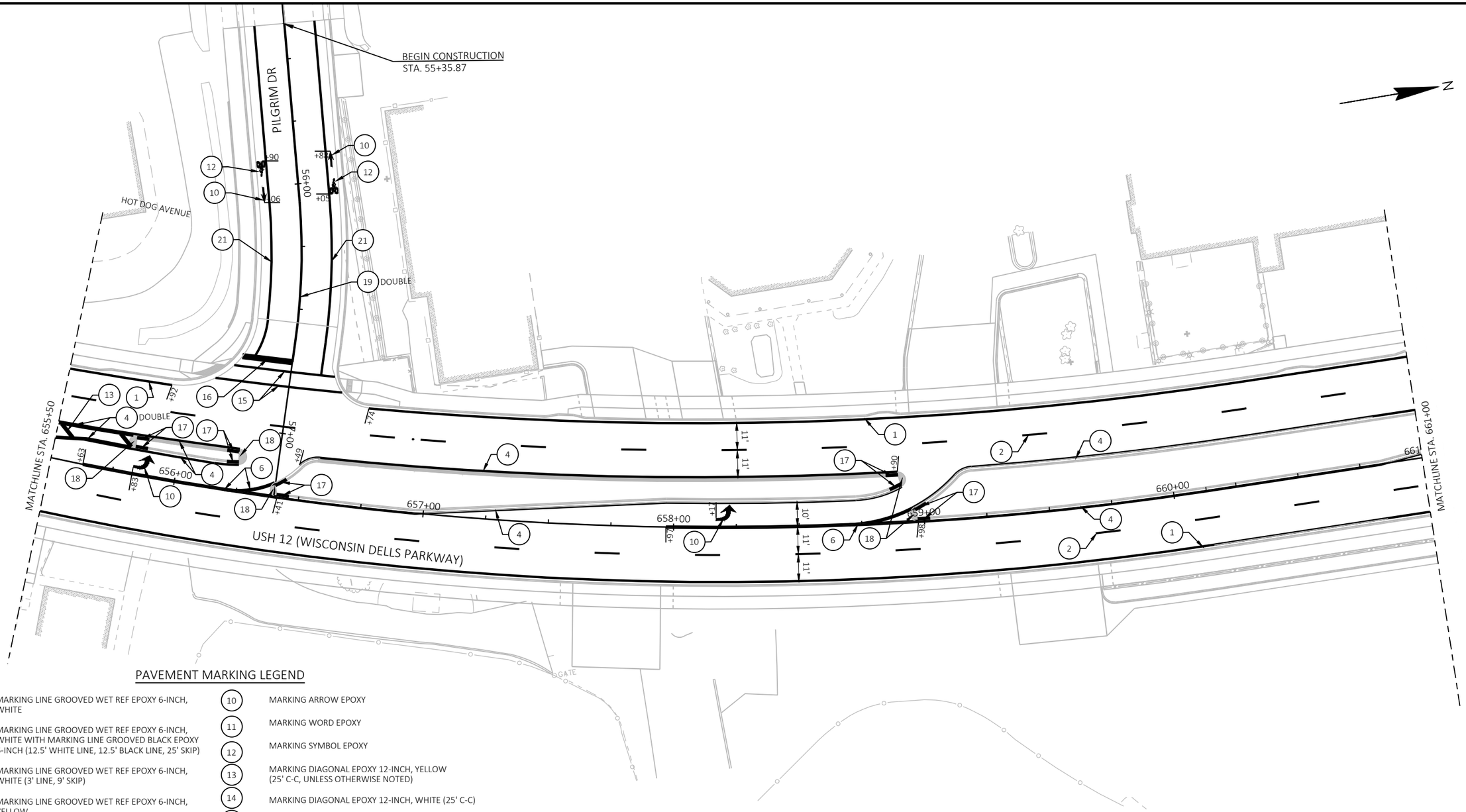
PAVEMENT MARKING LEGEND

1. MARKING LINE GROOVED WET REF EPOXY 6-INCH, WHITE
2. MARKING LINE GROOVED WET REF EPOXY 6-INCH, WHITE WITH MARKING LINE GROOVED BLACK EPOXY 6-INCH (12.5' WHITE LINE, 12.5' BLACK LINE, 25' SKIP)
3. MARKING LINE GROOVED WET REF EPOXY 6-INCH, WHITE (3' LINE, 9' SKIP)
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5. MARKING LINE GROOVED WET REF EPOXY 6-INCH, YELLOW (12.5' LINE, 37.5' SKIP)
6. MARKING LINE GROOVED WET REF EPOXY 10-INCH, WHITE
7. MARKING LINE GROOVED WET REF EPOXY 10-INCH WHITE (3' LINE, 9' SKIP)
8. MARKING LINE GROOVED WET REF EPOXY 6-INCH, YELLOW (2' LINE, 6' SKIP)
9. MARKING LINE GROOVED WET REF EPOXY 10-INCH WHITE (2' LINE, 6' SKIP)
10. MARKING ARROW EPOXY
11. MARKING WORD EPOXY
12. MARKING SYMBOL EPOXY
13. MARKING DIAGONAL EPOXY 12-INCH, YELLOW (25' C-C, UNLESS OTHERWISE NOTED)
14. MARKING DIAGONAL EPOXY 12-INCH, WHITE (25' C-C)
15. MARKING CROSSWALK EPOXY TRAVERSE LINE 6-INCH
16. MARKING STOP LINE EPOXY 18-INCH
17. MARKING CURB EPOXY, YELLOW
18. MARKING ISLAND NOSE EPOXY, YELLOW
19. MARKING LINE EPOXY 4-INCH, YELLOW
20. MARKING LINE EPOXY, 8-INCH, WHITE
21. MARKING LINE EPOXY 4-INCH. WHITE

PROJECT NO: 6145-01-72	HWY: USH 12	COUNTY: SAUK	PAVEMENT MARKING	SHEET 441	E

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PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2



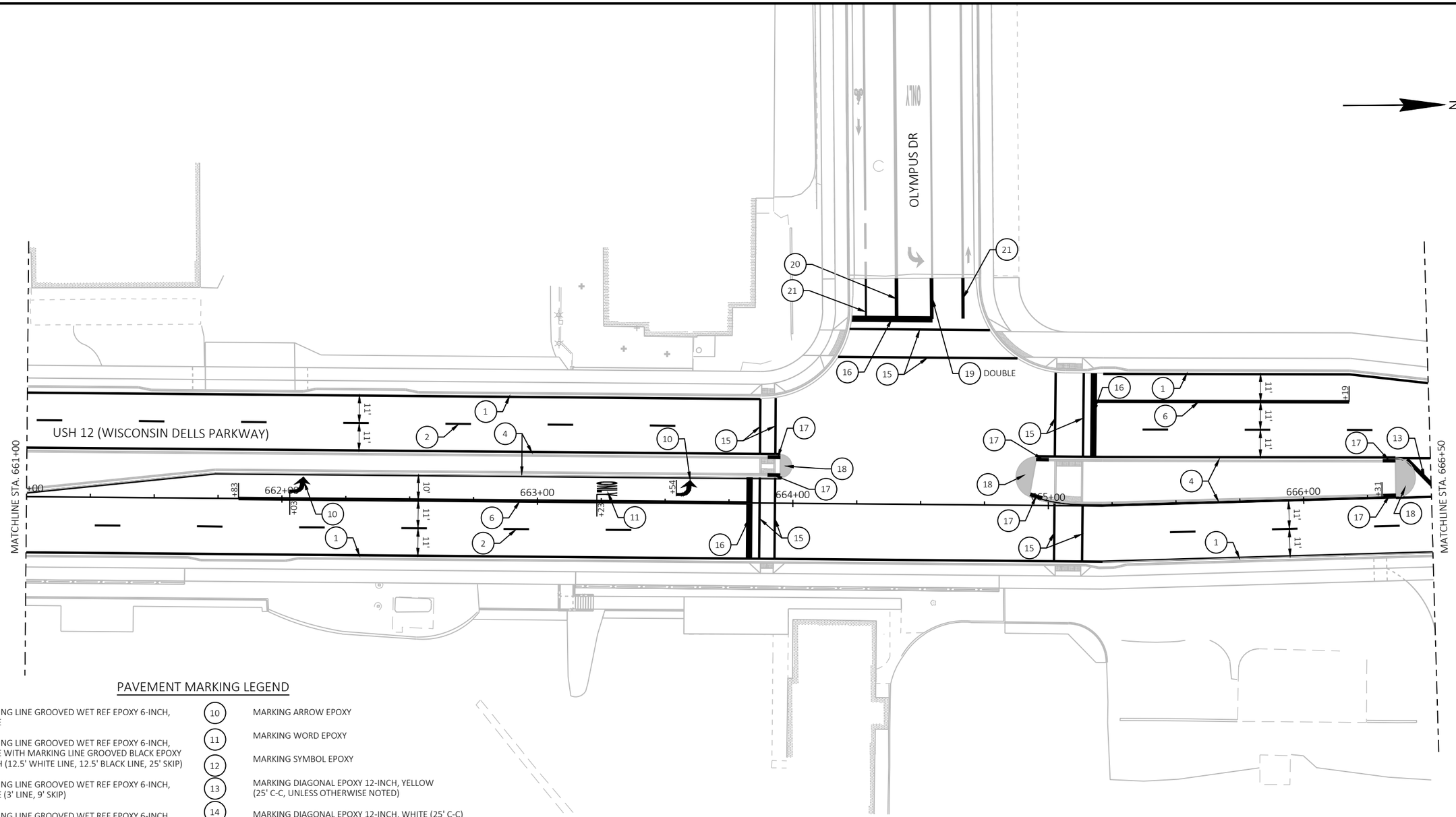
PAVEMENT MARKING LEGEND

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2. MARKING LINE GROOVED WET REF EPOXY 6-INCH, WHITE WITH MARKING LINE GROOVED BLACK EPOXY 6-INCH (12.5' WHITE LINE, 12.5' BLACK LINE, 25' SKIP)
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5. MARKING LINE GROOVED WET REF EPOXY 6-INCH, YELLOW (12.5' LINE, 37.5' SKIP)
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8. MARKING LINE GROOVED WET REF EPOXY 6-INCH, YELLOW (2' LINE, 6' SKIP)
9. MARKING LINE GROOVED WET REF EPOXY 10-INCH WHITE (2' LINE, 6' SKIP)
10. MARKING ARROW EPOXY
11. MARKING WORD EPOXY
12. MARKING SYMBOL EPOXY
13. MARKING DIAGONAL EPOXY 12-INCH, YELLOW (25' C-C, UNLESS OTHERWISE NOTED)
14. MARKING DIAGONAL EPOXY 12-INCH, WHITE (25' C-C)
15. MARKING CROSSWALK EPOXY TRAVERSE LINE 6-INCH
16. MARKING STOP LINE EPOXY 18-INCH
17. MARKING CURB EPOXY, YELLOW
18. MARKING ISLAND NOSE EPOXY, YELLOW
19. MARKING LINE EPOXY 4-INCH, YELLOW
20. MARKING LINE EPOXY, 8-INCH, WHITE
21. MARKING LINE EPOXY 4-INCH. WHITE

PROJECT NO: 6145-01-72	HWY: USH 12	COUNTY: SAUK	PAVEMENT MARKING	SHEET 442	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-72\024501-PM.DWG
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PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

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PAVEMENT MARKING LEGEND

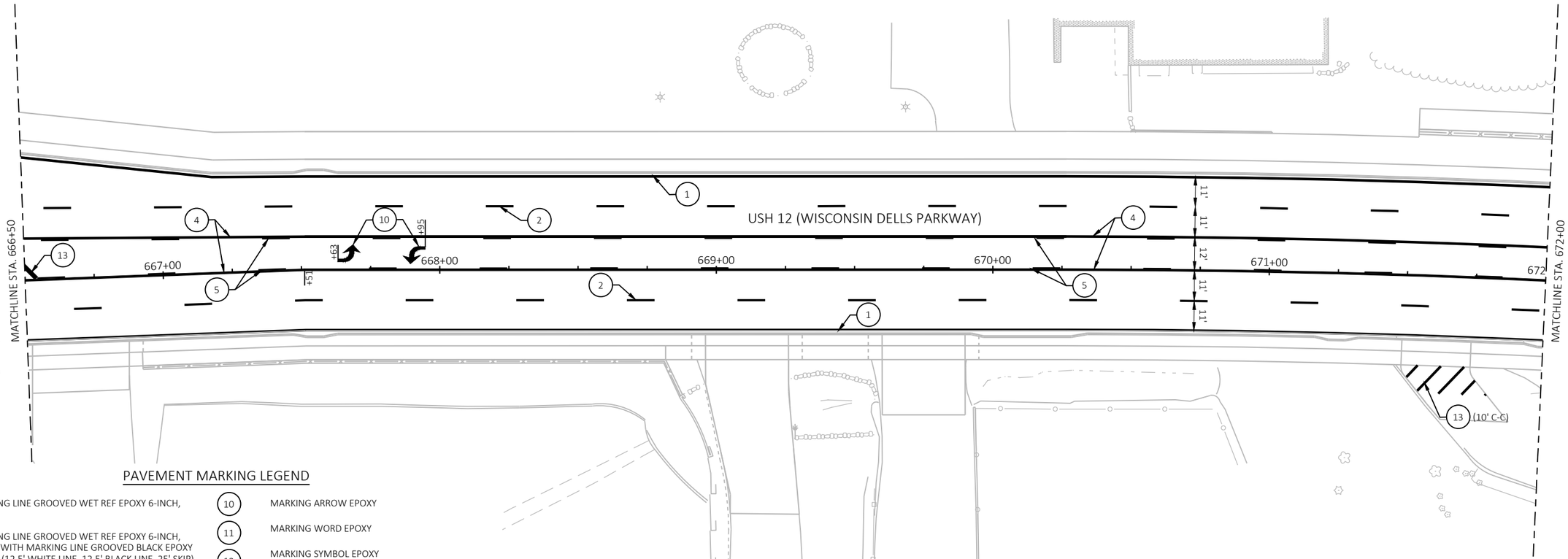
1. MARKING LINE GROOVED WET REF EPOXY 6-INCH, WHITE
2. MARKING LINE GROOVED WET REF EPOXY 6-INCH, WHITE WITH MARKING LINE GROOVED BLACK EPOXY 6-INCH (12.5' WHITE LINE, 12.5' BLACK LINE, 25' SKIP)
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17. MARKING CURB EPOXY, YELLOW
18. MARKING ISLAND NOSE EPOXY, YELLOW
19. MARKING LINE EPOXY 4-INCH, YELLOW
20. MARKING LINE EPOXY, 8-INCH, WHITE
21. MARKING LINE EPOXY 4-INCH. WHITE

PROJECT NO: 6145-01-72	HWY: USH 12	COUNTY: SAUK	PAVEMENT MARKING	SHEET 443	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-72\024501-PM.DWG
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PLOT DATE : 6/17/2025 2:51 PM
PLOT BY : CHAPMAN, JULIE
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

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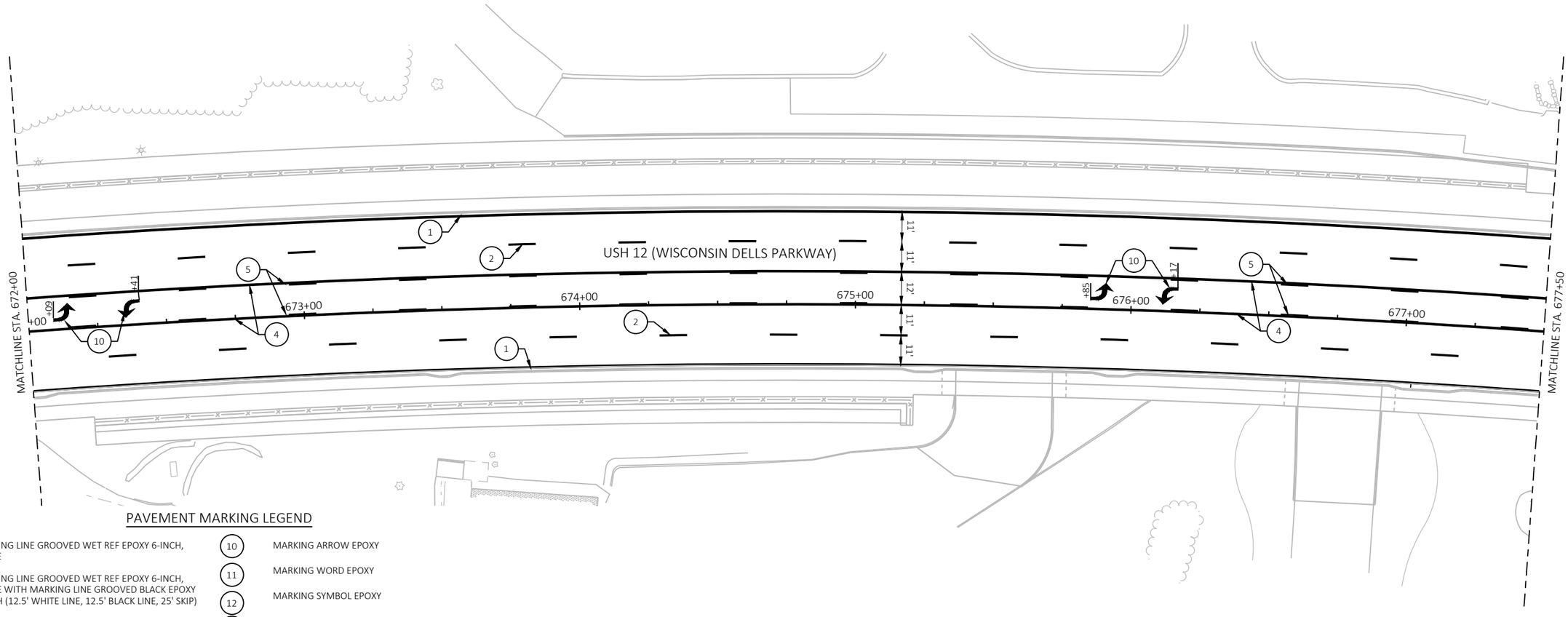
PAVEMENT MARKING LEGEND

1. MARKING LINE GROOVED WET REF EPOXY 6-INCH, WHITE
2. MARKING LINE GROOVED WET REF EPOXY 6-INCH, WHITE WITH MARKING LINE GROOVED BLACK EPOXY 6-INCH (12.5' WHITE LINE, 12.5' BLACK LINE, 25' SKIP)
3. MARKING LINE GROOVED WET REF EPOXY 6-INCH, WHITE (3' LINE, 9' SKIP)
4. MARKING LINE GROOVED WET REF EPOXY 6-INCH, YELLOW
5. MARKING LINE GROOVED WET REF EPOXY 6-INCH, YELLOW (12.5' LINE, 37.5' SKIP)
6. MARKING LINE GROOVED WET REF EPOXY 10-INCH, WHITE
7. MARKING LINE GROOVED WET REF EPOXY 10-INCH WHITE (3' LINE, 9' SKIP)
8. MARKING LINE GROOVED WET REF EPOXY 6-INCH, YELLOW (2' LINE, 6' SKIP)
9. MARKING LINE GROOVED WET REF EPOXY 10-INCH WHITE (2' LINE, 6' SKIP)
10. MARKING ARROW EPOXY
11. MARKING WORD EPOXY
12. MARKING SYMBOL EPOXY
13. MARKING DIAGONAL EPOXY 12-INCH, YELLOW (25' C-C, UNLESS OTHERWISE NOTED)
14. MARKING DIAGONAL EPOXY 12-INCH, WHITE (25' C-C)
15. MARKING CROSSWALK EPOXY TRAVERSE LINE 6-INCH
16. MARKING STOP LINE EPOXY 18-INCH
17. MARKING CURB EPOXY, YELLOW
18. MARKING ISLAND NOSE EPOXY, YELLOW
19. MARKING LINE EPOXY 4-INCH, YELLOW
20. MARKING LINE EPOXY, 8-INCH, WHITE
21. MARKING LINE EPOXY 4-INCH. WHITE

PROJECT NO: 6145-01-72	HWY: USH 12	COUNTY: SAUK	PAVEMENT MARKING	SHEET 444	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-72\024501-PM.DWG
LAYOUT NAME - 024514-pm
PLOT DATE : 6/17/2025 2:51 PM
PLOT BY : CHAPMAN, JULIE
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

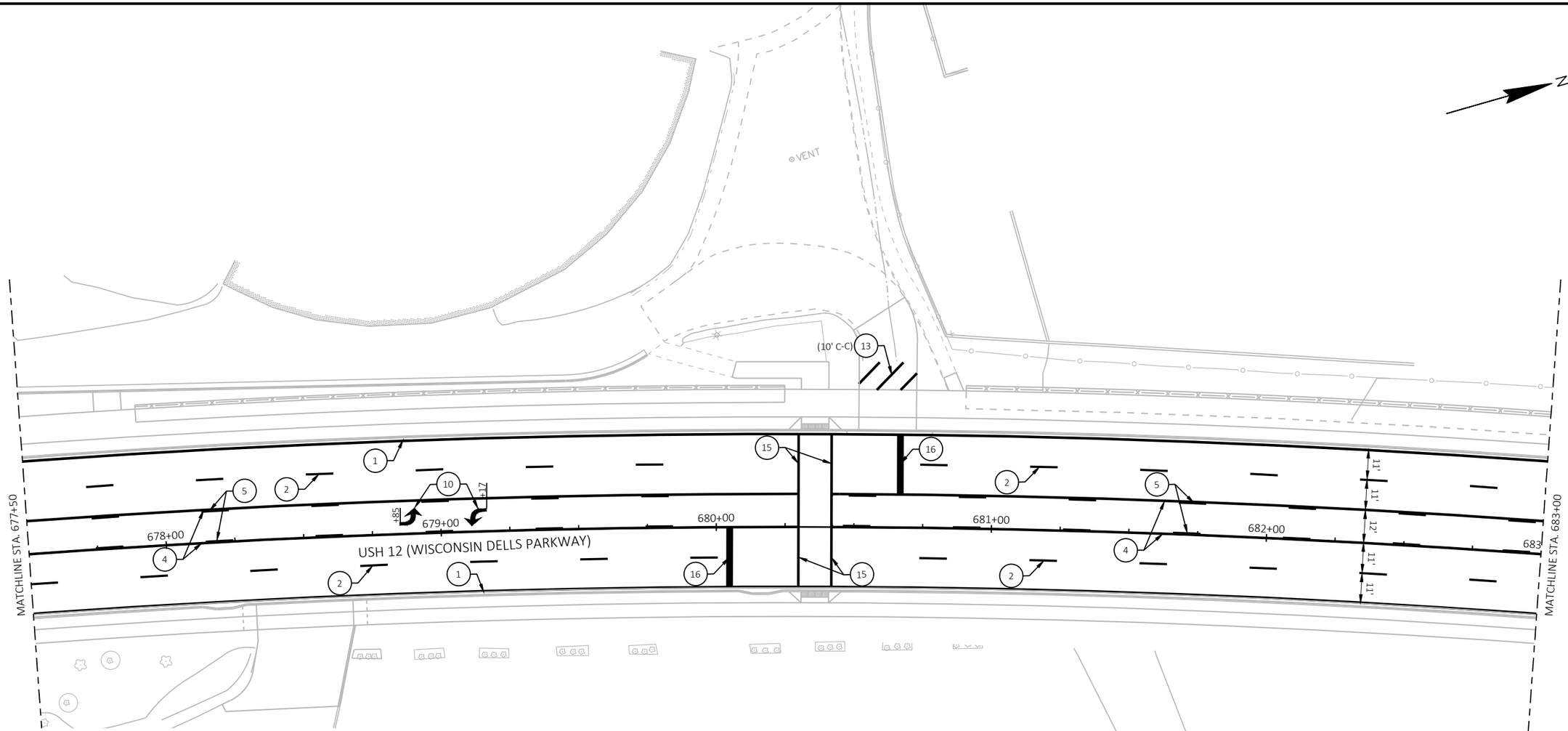


PAVEMENT MARKING LEGEND

1. MARKING LINE GROOVED WET REF EPOXY 6-INCH, WHITE
2. MARKING LINE GROOVED WET REF EPOXY 6-INCH, WHITE WITH MARKING LINE GROOVED BLACK EPOXY 6-INCH (12.5' WHITE LINE, 12.5' BLACK LINE, 25' SKIP)
3. MARKING LINE GROOVED WET REF EPOXY 6-INCH, WHITE (3' LINE, 9' SKIP)
4. MARKING LINE GROOVED WET REF EPOXY 6-INCH, YELLOW
5. MARKING LINE GROOVED WET REF EPOXY 6-INCH, YELLOW (12.5' LINE, 37.5' SKIP)
6. MARKING LINE GROOVED WET REF EPOXY 10-INCH, WHITE
7. MARKING LINE GROOVED WET REF EPOXY 10-INCH WHITE (3' LINE, 9' SKIP)
8. MARKING LINE GROOVED WET REF EPOXY 6-INCH, YELLOW (2' LINE, 6' SKIP)
9. MARKING LINE GROOVED WET REF EPOXY 10-INCH WHITE (2' LINE, 6' SKIP)
10. MARKING ARROW EPOXY
11. MARKING WORD EPOXY
12. MARKING SYMBOL EPOXY
13. MARKING DIAGONAL EPOXY 12-INCH, YELLOW (25' C-C, UNLESS OTHERWISE NOTED)
14. MARKING DIAGONAL EPOXY 12-INCH, WHITE (25' C-C)
15. MARKING CROSSWALK EPOXY TRAVERSE LINE 6-INCH
16. MARKING STOP LINE EPOXY 18-INCH
17. MARKING CURB EPOXY, YELLOW
18. MARKING ISLAND NOSE EPOXY, YELLOW
19. MARKING LINE EPOXY 4-INCH, YELLOW
20. MARKING LINE EPOXY, 8-INCH, WHITE
21. MARKING LINE EPOXY 4-INCH. WHITE

PROJECT NO: 6145-01-72	HWY: USH 12	COUNTY: SAUK	PAVEMENT MARKING	SHEET 445	E

2



PAVEMENT MARKING LEGEND

1. MARKING LINE GROOVED WET REF EPOXY 6-INCH, WHITE
2. MARKING LINE GROOVED WET REF EPOXY 6-INCH, WHITE WITH MARKING LINE GROOVED BLACK EPOXY 6-INCH (12.5' WHITE LINE, 12.5' BLACK LINE, 25' SKIP)
3. MARKING LINE GROOVED WET REF EPOXY 6-INCH, WHITE (3' LINE, 9' SKIP)
4. MARKING LINE GROOVED WET REF EPOXY 6-INCH, YELLOW
5. MARKING LINE GROOVED WET REF EPOXY 6-INCH, YELLOW (12.5' LINE, 37.5' SKIP)
6. MARKING LINE GROOVED WET REF EPOXY 10-INCH, WHITE
7. MARKING LINE GROOVED WET REF EPOXY 10-INCH WHITE (3' LINE, 9' SKIP)
8. MARKING LINE GROOVED WET REF EPOXY 6-INCH, YELLOW (2' LINE, 6' SKIP)
9. MARKING LINE GROOVED WET REF EPOXY 10-INCH WHITE (2' LINE, 6' SKIP)
10. MARKING ARROW EPOXY
11. MARKING WORD EPOXY
12. MARKING SYMBOL EPOXY
13. MARKING DIAGONAL EPOXY 12-INCH, YELLOW (25' C-C, UNLESS OTHERWISE NOTED)
14. MARKING DIAGONAL EPOXY 12-INCH, WHITE (25' C-C)
15. MARKING CROSSWALK EPOXY TRAVERSE LINE 6-INCH
16. MARKING STOP LINE EPOXY 18-INCH
17. MARKING CURB EPOXY, YELLOW
18. MARKING ISLAND NOSE EPOXY, YELLOW
19. MARKING LINE EPOXY 4-INCH, YELLOW
20. MARKING LINE EPOXY, 8-INCH, WHITE
21. MARKING LINE EPOXY 4-INCH. WHITE

PROJECT NO: 6145-01-72	HWY: USH 12	COUNTY: SAUK	PAVEMENT MARKING	SHEET 446	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-72\024501-PM.DWG
LAYOUT NAME - 024516-pm
PLOT DATE : 6/17/2025 2:51 PM
PLOT BY : CHAPMAN, JULIE
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2



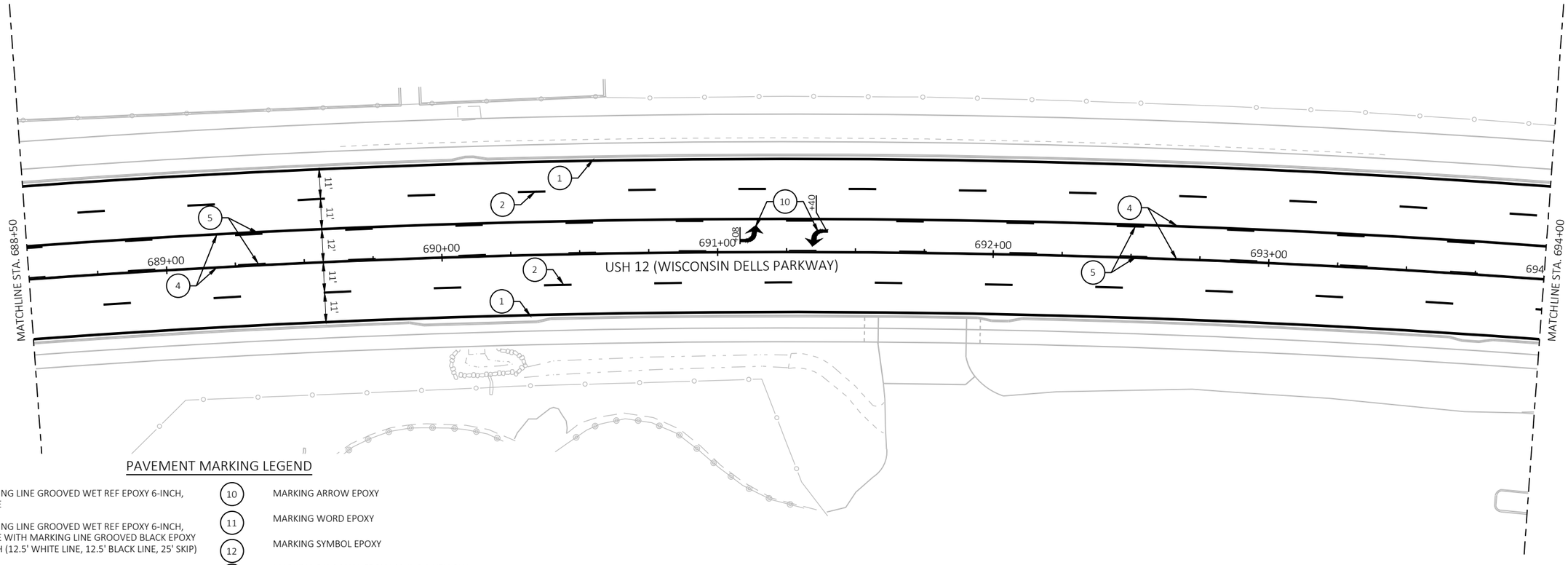
PAVEMENT MARKING LEGEND

1. MARKING LINE GROOVED WET REF EPOXY 6-INCH, WHITE
2. MARKING LINE GROOVED WET REF EPOXY 6-INCH, WHITE WITH MARKING LINE GROOVED BLACK EPOXY 6-INCH (12.5' WHITE LINE, 12.5' BLACK LINE, 25' SKIP)
3. MARKING LINE GROOVED WET REF EPOXY 6-INCH, WHITE (3' LINE, 9' SKIP)
4. MARKING LINE GROOVED WET REF EPOXY 6-INCH, YELLOW
5. MARKING LINE GROOVED WET REF EPOXY 6-INCH, YELLOW (12.5' LINE, 37.5' SKIP)
6. MARKING LINE GROOVED WET REF EPOXY 10-INCH, WHITE
7. MARKING LINE GROOVED WET REF EPOXY 10-INCH WHITE (3' LINE, 9' SKIP)
8. MARKING LINE GROOVED WET REF EPOXY 6-INCH, YELLOW (2' LINE, 6' SKIP)
9. MARKING LINE GROOVED WET REF EPOXY 10-INCH WHITE (2' LINE, 6' SKIP)
10. MARKING ARROW EPOXY
11. MARKING WORD EPOXY
12. MARKING SYMBOL EPOXY
13. MARKING DIAGONAL EPOXY 12-INCH, YELLOW (25' C-C, UNLESS OTHERWISE NOTED)
14. MARKING DIAGONAL EPOXY 12-INCH, WHITE (25' C-C)
15. MARKING CROSSWALK EPOXY TRAVERSE LINE 6-INCH
16. MARKING STOP LINE EPOXY 18-INCH
17. MARKING CURB EPOXY, YELLOW
18. MARKING ISLAND NOSE EPOXY, YELLOW
19. MARKING LINE EPOXY 4-INCH, YELLOW
20. MARKING LINE EPOXY, 8-INCH, WHITE
21. MARKING LINE EPOXY 4-INCH. WHITE

PROJECT NO: 6145-01-72	HWY: USH 12	COUNTY: SAUK	PAVEMENT MARKING	SHEET 447	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-72\024501-PM.DWG
LAYOUT NAME - 024517-pm
PLOT DATE : 6/17/2025 2:51 PM
PLOT BY : CHAPMAN, JULIE
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2



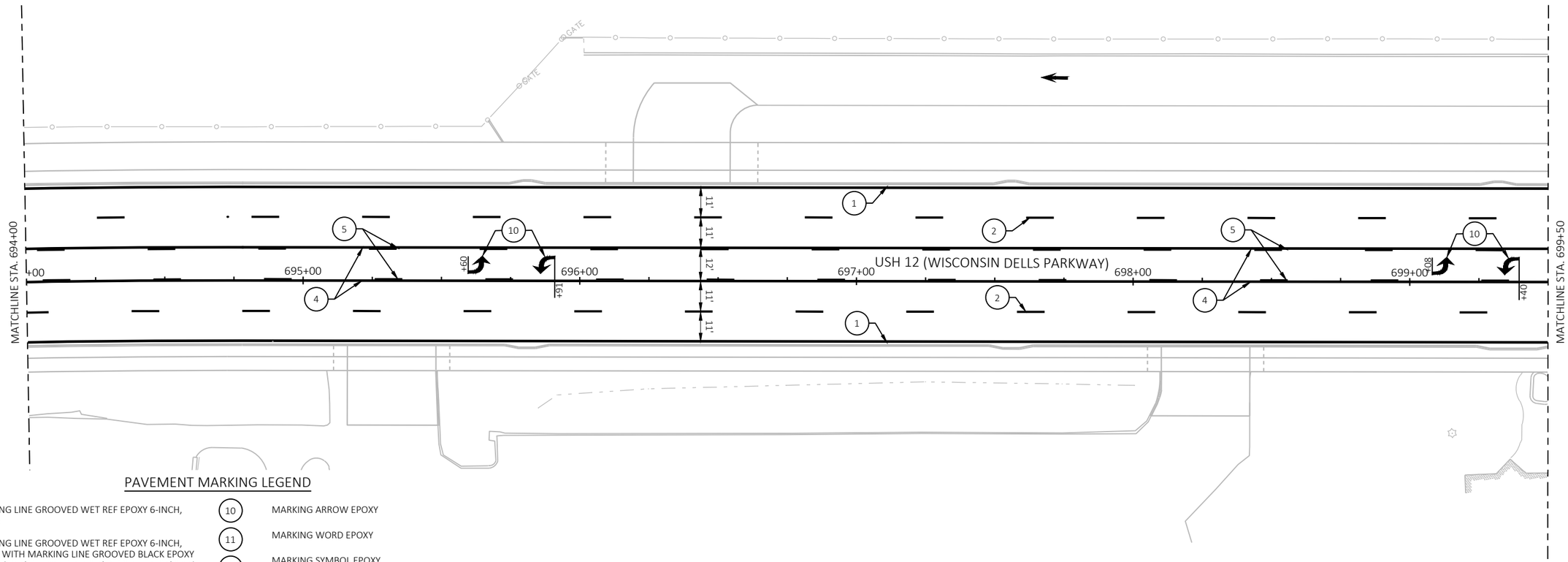
PAVEMENT MARKING LEGEND

1. MARKING LINE GROOVED WET REF EPOXY 6-INCH, WHITE
2. MARKING LINE GROOVED WET REF EPOXY 6-INCH, WHITE WITH MARKING LINE GROOVED BLACK EPOXY 6-INCH (12.5' WHITE LINE, 12.5' BLACK LINE, 25' SKIP)
3. MARKING LINE GROOVED WET REF EPOXY 6-INCH, WHITE (3' LINE, 9' SKIP)
4. MARKING LINE GROOVED WET REF EPOXY 6-INCH, YELLOW
5. MARKING LINE GROOVED WET REF EPOXY 6-INCH, YELLOW (12.5' LINE, 37.5' SKIP)
6. MARKING LINE GROOVED WET REF EPOXY 10-INCH, WHITE
7. MARKING LINE GROOVED WET REF EPOXY 10-INCH WHITE (3' LINE, 9' SKIP)
8. MARKING LINE GROOVED WET REF EPOXY 6-INCH, YELLOW (2' LINE, 6' SKIP)
9. MARKING LINE GROOVED WET REF EPOXY 10-INCH WHITE (2' LINE, 6' SKIP)
10. MARKING ARROW EPOXY
11. MARKING WORD EPOXY
12. MARKING SYMBOL EPOXY
13. MARKING DIAGONAL EPOXY 12-INCH, YELLOW (25' C-C, UNLESS OTHERWISE NOTED)
14. MARKING DIAGONAL EPOXY 12-INCH, WHITE (25' C-C)
15. MARKING CROSSWALK EPOXY TRAVERSE LINE 6-INCH
16. MARKING STOP LINE EPOXY 18-INCH
17. MARKING CURB EPOXY, YELLOW
18. MARKING ISLAND NOSE EPOXY, YELLOW
19. MARKING LINE EPOXY 4-INCH, YELLOW
20. MARKING LINE EPOXY, 8-INCH, WHITE
21. MARKING LINE EPOXY 4-INCH. WHITE

PROJECT NO: 6145-01-72	HWY: USH 12	COUNTY: SAUK	PAVEMENT MARKING	SHEET 448	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-72\024501-PM.DWG
LAYOUT NAME - 024518-pm
PLOT DATE : 6/17/2025 2:51 PM
PLOT BY : CHAPMAN, JULIE
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

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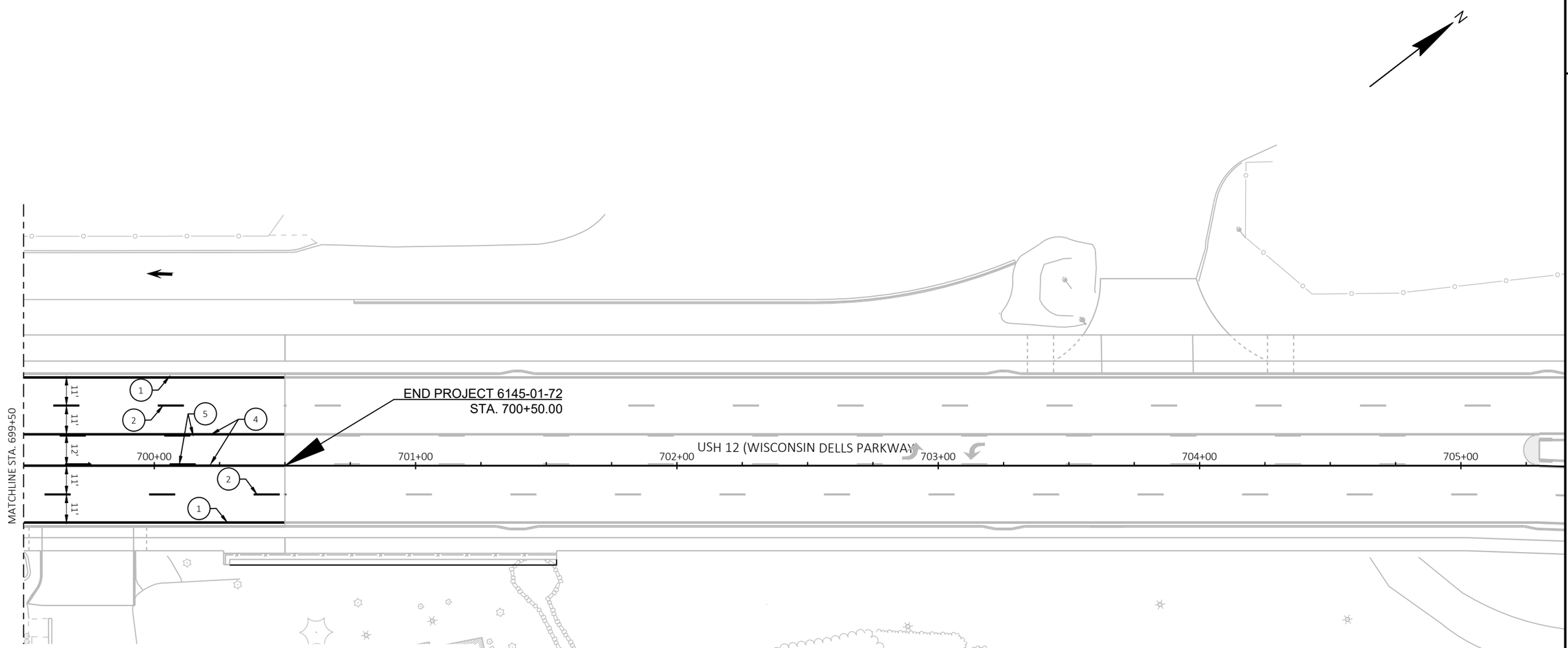
PAVEMENT MARKING LEGEND

1. MARKING LINE GROOVED WET REF EPOXY 6-INCH, WHITE
2. MARKING LINE GROOVED WET REF EPOXY 6-INCH, WHITE WITH MARKING LINE GROOVED BLACK EPOXY 6-INCH (12.5' WHITE LINE, 12.5' BLACK LINE, 25' SKIP)
3. MARKING LINE GROOVED WET REF EPOXY 6-INCH, WHITE (3' LINE, 9' SKIP)
4. MARKING LINE GROOVED WET REF EPOXY 6-INCH, YELLOW
5. MARKING LINE GROOVED WET REF EPOXY 6-INCH, YELLOW (12.5' LINE, 37.5' SKIP)
6. MARKING LINE GROOVED WET REF EPOXY 10-INCH, WHITE
7. MARKING LINE GROOVED WET REF EPOXY 10-INCH WHITE (3' LINE, 9' SKIP)
8. MARKING LINE GROOVED WET REF EPOXY 6-INCH, YELLOW (2' LINE, 6' SKIP)
9. MARKING LINE GROOVED WET REF EPOXY 10-INCH WHITE (2' LINE, 6' SKIP)
10. MARKING ARROW EPOXY
11. MARKING WORD EPOXY
12. MARKING SYMBOL EPOXY
13. MARKING DIAGONAL EPOXY 12-INCH, YELLOW (25' C-C, UNLESS OTHERWISE NOTED)
14. MARKING DIAGONAL EPOXY 12-INCH, WHITE (25' C-C)
15. MARKING CROSSWALK EPOXY TRAVERSE LINE 6-INCH
16. MARKING STOP LINE EPOXY 18-INCH
17. MARKING CURB EPOXY, YELLOW
18. MARKING ISLAND NOSE EPOXY, YELLOW
19. MARKING LINE EPOXY 4-INCH, YELLOW
20. MARKING LINE EPOXY, 8-INCH, WHITE
21. MARKING LINE EPOXY 4-INCH. WHITE

PROJECT NO: 6145-01-72	HWY: USH 12	COUNTY: SAUK	PAVEMENT MARKING	SHEET 449	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-72\024501-PM.DWG
LAYOUT NAME - 024519-pm
PLOT DATE : 6/17/2025 2:51 PM
PLOT BY : CHAPMAN, JULIE
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2



PAVEMENT MARKING LEGEND

1. MARKING LINE GROOVED WET REF EPOXY 6-INCH, WHITE
2. MARKING LINE GROOVED WET REF EPOXY 6-INCH, WHITE WITH MARKING LINE GROOVED BLACK EPOXY 6-INCH (12.5' WHITE LINE, 12.5' BLACK LINE, 25' SKIP)
3. MARKING LINE GROOVED WET REF EPOXY 6-INCH, WHITE (3' LINE, 9' SKIP)
4. MARKING LINE GROOVED WET REF EPOXY 6-INCH, YELLOW
5. MARKING LINE GROOVED WET REF EPOXY 6-INCH, YELLOW (12.5' LINE, 37.5' SKIP)
6. MARKING LINE GROOVED WET REF EPOXY 10-INCH, WHITE
7. MARKING LINE GROOVED WET REF EPOXY 10-INCH WHITE (3' LINE, 9' SKIP)
8. MARKING LINE GROOVED WET REF EPOXY 6-INCH, YELLOW (2' LINE, 6' SKIP)
9. MARKING LINE GROOVED WET REF EPOXY 10-INCH WHITE (2' LINE, 6' SKIP)
10. MARKING ARROW EPOXY
11. MARKING WORD EPOXY
12. MARKING SYMBOL EPOXY
13. MARKING DIAGONAL EPOXY 12-INCH, YELLOW (25' C-C, UNLESS OTHERWISE NOTED)
14. MARKING DIAGONAL EPOXY 12-INCH, WHITE (25' C-C)
15. MARKING CROSSWALK EPOXY TRAVERSE LINE 6-INCH
16. MARKING STOP LINE EPOXY 18-INCH
17. MARKING CURB EPOXY, YELLOW
18. MARKING ISLAND NOSE EPOXY, YELLOW
19. MARKING LINE EPOXY 4-INCH, YELLOW
20. MARKING LINE EPOXY, 8-INCH, WHITE
21. MARKING LINE EPOXY 4-INCH. WHITE

PROJECT NO: 6145-01-72	HWY: USH 12	COUNTY: SAUK	PAVEMENT MARKING	SHEET 450	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-72\024501-PM.DWG
LAYOUT NAME - 024520-pm
PLOT DATE : 6/17/2025 2:51 PM
PLOT BY : CHAPMAN, JULIE
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

2

BEGIN PROJECT 6145-01-74
STA. 700+50.00

697+00 698+00 699+00 700+00 701+00 702+00

USH 12 (WISCONSIN DELLS PARKWAY)

11' 11' 12' 11' 11'

MATCHLINE STA. 702+50

SIGN

BUILDING 31 B

BUILDING 31 A

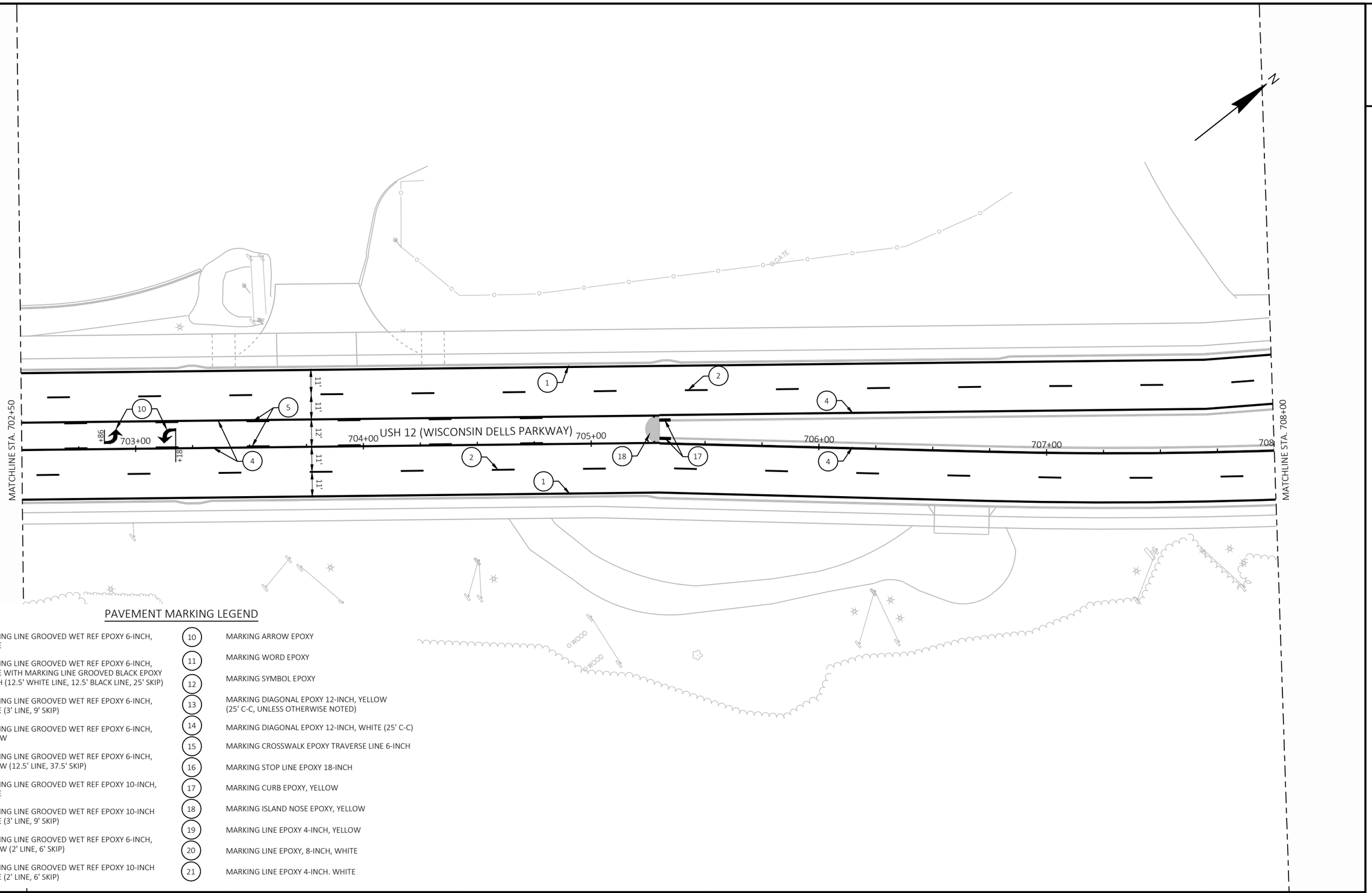
PAVEMENT MARKING LEGEND

1. MARKING LINE GROOVED WET REF EPOXY 6-INCH, WHITE
2. MARKING LINE GROOVED WET REF EPOXY 6-INCH, WHITE WITH MARKING LINE GROOVED BLACK EPOXY 6-INCH (12.5' WHITE LINE, 12.5' BLACK LINE, 25' SKIP)
3. MARKING LINE GROOVED WET REF EPOXY 6-INCH, WHITE (3' LINE, 9' SKIP)
4. MARKING LINE GROOVED WET REF EPOXY 6-INCH, YELLOW
5. MARKING LINE GROOVED WET REF EPOXY 6-INCH, YELLOW (12.5' LINE, 37.5' SKIP)
6. MARKING LINE GROOVED WET REF EPOXY 10-INCH, WHITE
7. MARKING LINE GROOVED WET REF EPOXY 10-INCH WHITE (3' LINE, 9' SKIP)
8. MARKING LINE GROOVED WET REF EPOXY 6-INCH, YELLOW (2' LINE, 6' SKIP)
9. MARKING LINE GROOVED WET REF EPOXY 10-INCH WHITE (2' LINE, 6' SKIP)
10. MARKING ARROW EPOXY
11. MARKING WORD EPOXY
12. MARKING SYMBOL EPOXY
13. MARKING DIAGONAL EPOXY 12-INCH, YELLOW (25' C-C, UNLESS OTHERWISE NOTED)
14. MARKING DIAGONAL EPOXY 12-INCH, WHITE (25' C-C)
15. MARKING CROSSWALK EPOXY TRAVERSE LINE 6-INCH
16. MARKING STOP LINE EPOXY 18-INCH
17. MARKING CURB EPOXY, YELLOW
18. MARKING ISLAND NOSE EPOXY, YELLOW
19. MARKING LINE EPOXY 4-INCH, YELLOW
20. MARKING LINE EPOXY, 8-INCH, WHITE
21. MARKING LINE EPOXY 4-INCH. WHITE

PROJECT NO: 6145-01-74	HWY: USH 12	COUNTY: SAUK	PAVEMENT MARKING	SHEET 451	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-74\024501-PM.DWG
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WISDOT/CADDS SHEET 42

2



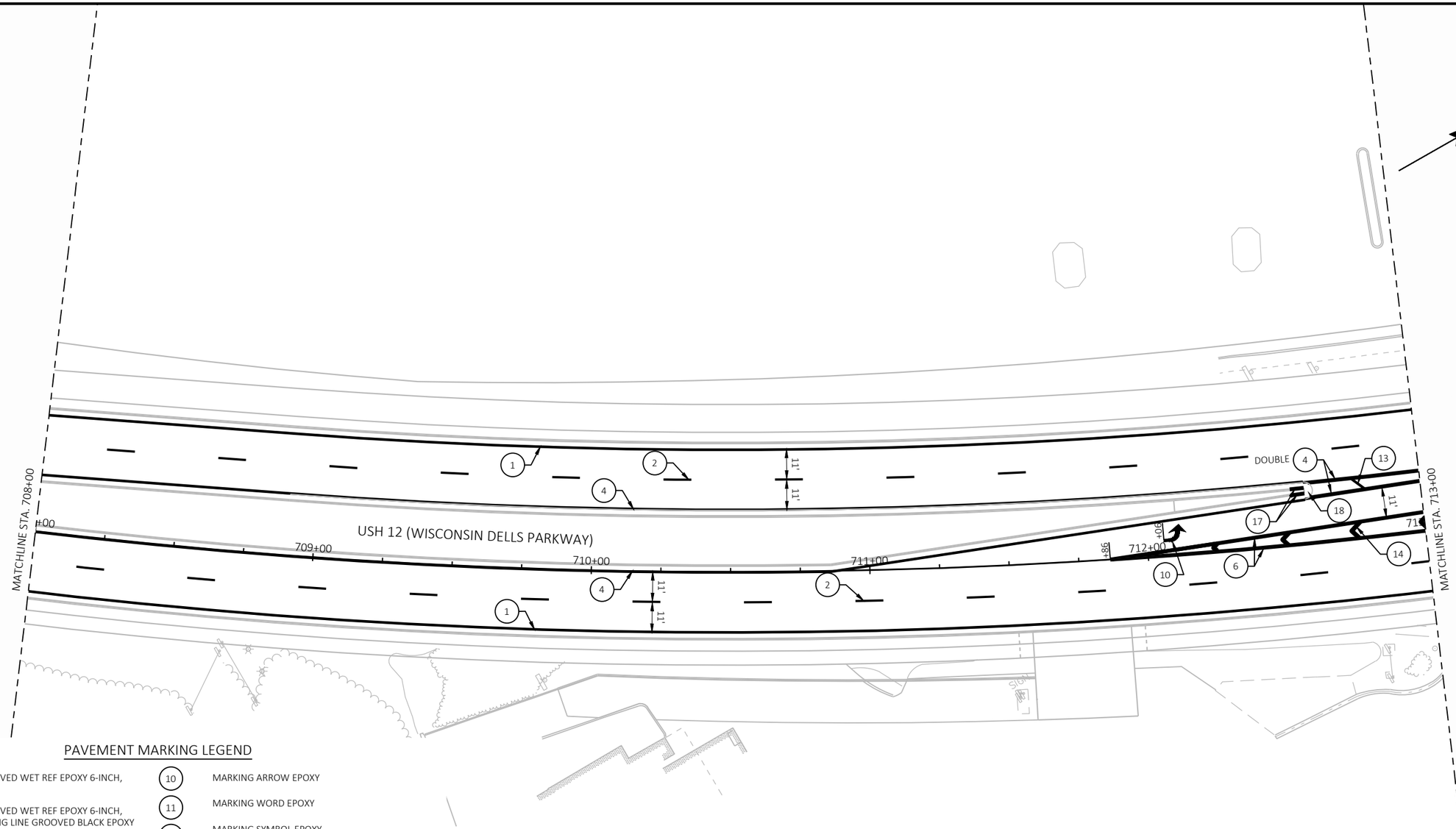
PAVEMENT MARKING LEGEND

1. MARKING LINE GROOVED WET REF EPOXY 6-INCH, WHITE
2. MARKING LINE GROOVED WET REF EPOXY 6-INCH, WHITE WITH MARKING LINE GROOVED BLACK EPOXY 6-INCH (12.5' WHITE LINE, 12.5' BLACK LINE, 25' SKIP)
3. MARKING LINE GROOVED WET REF EPOXY 6-INCH, WHITE (3' LINE, 9' SKIP)
4. MARKING LINE GROOVED WET REF EPOXY 6-INCH, YELLOW
5. MARKING LINE GROOVED WET REF EPOXY 6-INCH, YELLOW (12.5' LINE, 37.5' SKIP)
6. MARKING LINE GROOVED WET REF EPOXY 10-INCH, WHITE
7. MARKING LINE GROOVED WET REF EPOXY 10-INCH WHITE (3' LINE, 9' SKIP)
8. MARKING LINE GROOVED WET REF EPOXY 6-INCH, YELLOW (2' LINE, 6' SKIP)
9. MARKING LINE GROOVED WET REF EPOXY 10-INCH WHITE (2' LINE, 6' SKIP)
10. MARKING ARROW EPOXY
11. MARKING WORD EPOXY
12. MARKING SYMBOL EPOXY
13. MARKING DIAGONAL EPOXY 12-INCH, YELLOW (25' C-C, UNLESS OTHERWISE NOTED)
14. MARKING DIAGONAL EPOXY 12-INCH, WHITE (25' C-C)
15. MARKING CROSSWALK EPOXY TRAVERSE LINE 6-INCH
16. MARKING STOP LINE EPOXY 18-INCH
17. MARKING CURB EPOXY, YELLOW
18. MARKING ISLAND NOSE EPOXY, YELLOW
19. MARKING LINE EPOXY 4-INCH, YELLOW
20. MARKING LINE EPOXY, 8-INCH, WHITE
21. MARKING LINE EPOXY 4-INCH. WHITE

PROJECT NO: 6145-01-74	HWY: USH 12	COUNTY: SAUK	PAVEMENT MARKING	SHEET 452	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-74\024501-PM.DWG
LAYOUT NAME - 024524-pm
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PLOT BY : CHAPMAN, JULIE
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

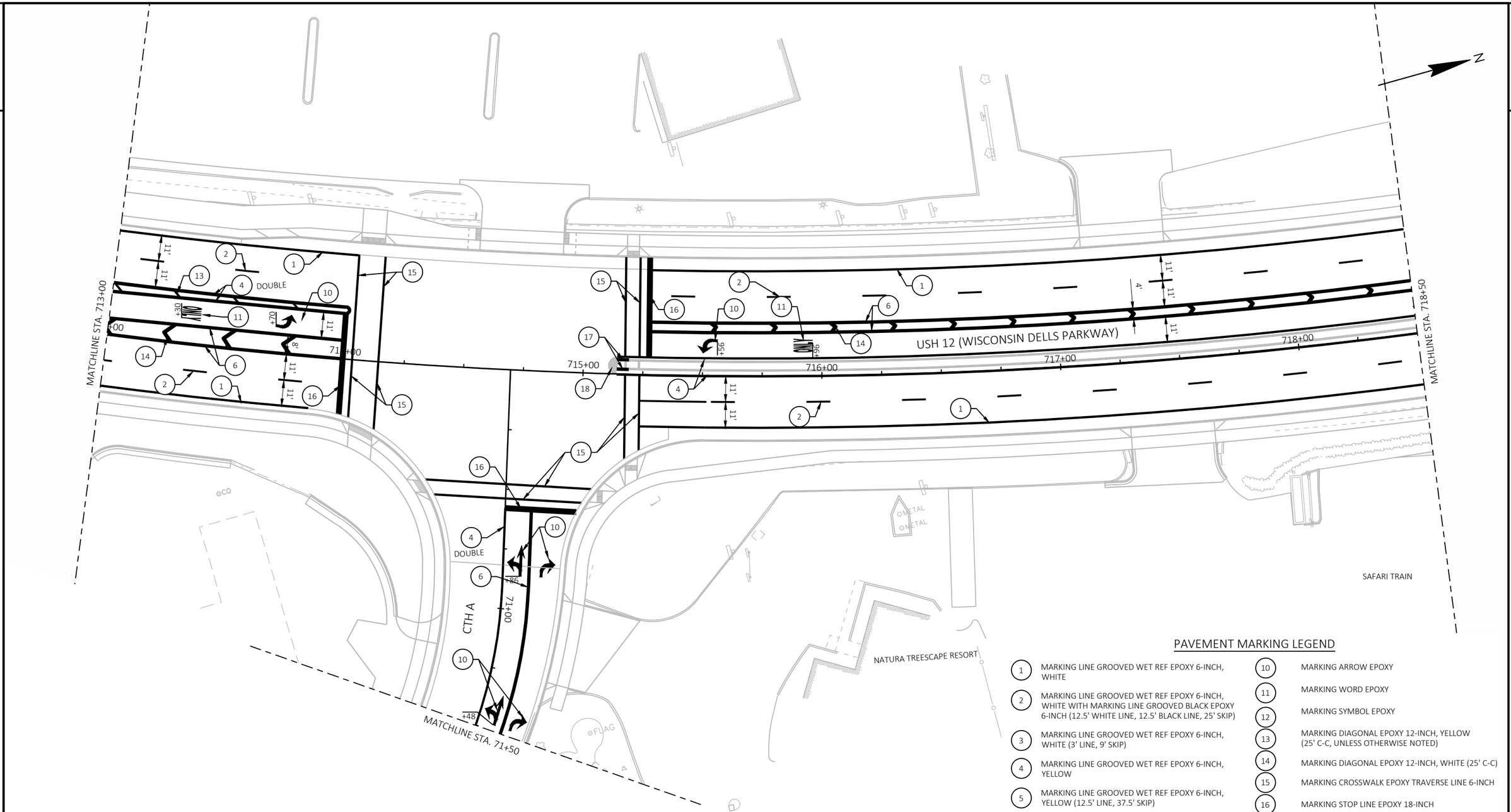


PAVEMENT MARKING LEGEND

1	MARKING LINE GROOVED WET REF EPOXY 6-INCH, WHITE
2	MARKING LINE GROOVED WET REF EPOXY 6-INCH, WHITE WITH MARKING LINE GROOVED BLACK EPOXY 6-INCH (12.5' WHITE LINE, 12.5' BLACK LINE, 25' SKIP)
3	MARKING LINE GROOVED WET REF EPOXY 6-INCH, WHITE (3' LINE, 9' SKIP)
4	MARKING LINE GROOVED WET REF EPOXY 6-INCH, YELLOW
5	MARKING LINE GROOVED WET REF EPOXY 6-INCH, YELLOW (12.5' LINE, 37.5' SKIP)
6	MARKING LINE GROOVED WET REF EPOXY 10-INCH, WHITE
7	MARKING LINE GROOVED WET REF EPOXY 10-INCH WHITE (3' LINE, 9' SKIP)
8	MARKING LINE GROOVED WET REF EPOXY 6-INCH, YELLOW (2' LINE, 6' SKIP)
9	MARKING LINE GROOVED WET REF EPOXY 10-INCH WHITE (2' LINE, 6' SKIP)
10	MARKING ARROW EPOXY
11	MARKING WORD EPOXY
12	MARKING SYMBOL EPOXY
13	MARKING DIAGONAL EPOXY 12-INCH, YELLOW (25' C-C, UNLESS OTHERWISE NOTED)
14	MARKING DIAGONAL EPOXY 12-INCH, WHITE (25' C-C)
15	MARKING CROSSWALK EPOXY TRAVERSE LINE 6-INCH
16	MARKING STOP LINE EPOXY 18-INCH
17	MARKING CURB EPOXY, YELLOW
18	MARKING ISLAND NOSE EPOXY, YELLOW
19	MARKING LINE EPOXY 4-INCH, YELLOW
20	MARKING LINE EPOXY, 8-INCH, WHITE
21	MARKING LINE EPOXY 4-INCH. WHITE

PROJECT NO: 6145-01-74	HWY: USH 12	COUNTY: SAUK	PAVEMENT MARKING	SHEET 453	E

2

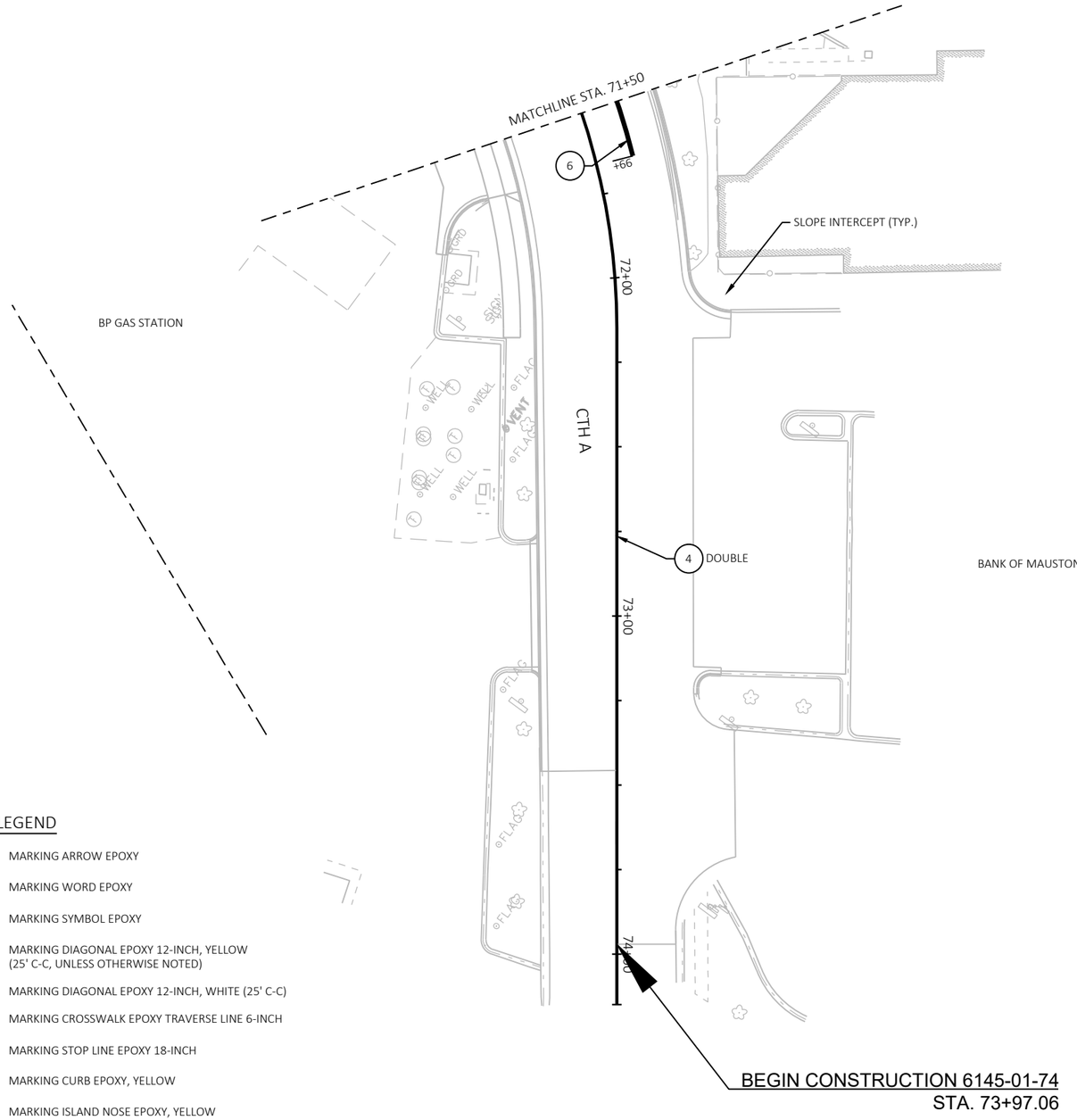


PAVEMENT MARKING LEGEND

1. MARKING LINE GROOVED WET REF EPOXY 6-INCH, WHITE
2. MARKING LINE GROOVED WET REF EPOXY 6-INCH, WHITE WITH MARKING LINE GROOVED BLACK EPOXY 6-INCH (12.5' WHITE LINE, 12.5' BLACK LINE, 25' SKIP)
3. MARKING LINE GROOVED WET REF EPOXY 6-INCH, WHITE (3' LINE, 9' SKIP)
4. MARKING LINE GROOVED WET REF EPOXY 6-INCH, YELLOW
5. MARKING LINE GROOVED WET REF EPOXY 6-INCH, YELLOW (12.5' LINE, 37.5' SKIP)
6. MARKING LINE GROOVED WET REF EPOXY 10-INCH, WHITE
7. MARKING LINE GROOVED WET REF EPOXY 10-INCH WHITE (3' LINE, 9' SKIP)
8. MARKING LINE GROOVED WET REF EPOXY 6-INCH, YELLOW (2' LINE, 6' SKIP)
9. MARKING LINE GROOVED WET REF EPOXY 10-INCH WHITE (2' LINE, 6' SKIP)
10. MARKING ARROW EPOXY
11. MARKING WORD EPOXY
12. MARKING SYMBOL EPOXY
13. MARKING DIAGONAL EPOXY 12-INCH, YELLOW (25' C-C, UNLESS OTHERWISE NOTED)
14. MARKING DIAGONAL EPOXY 12-INCH, WHITE (25' C-C)
15. MARKING CROSSWALK EPOXY TRAVERSE LINE 6-INCH
16. MARKING STOP LINE EPOXY 18-INCH
17. MARKING CURB EPOXY, YELLOW
18. MARKING ISLAND NOSE EPOXY, YELLOW
19. MARKING LINE EPOXY 4-INCH, YELLOW
20. MARKING LINE EPOXY, 8-INCH, WHITE
21. MARKING LINE EPOXY 4-INCH. WHITE

PROJECT NO: 6145-01-74	HWY: USH 12	COUNTY: SAUK	PAVEMENT MARKING	SHEET 454	E

2

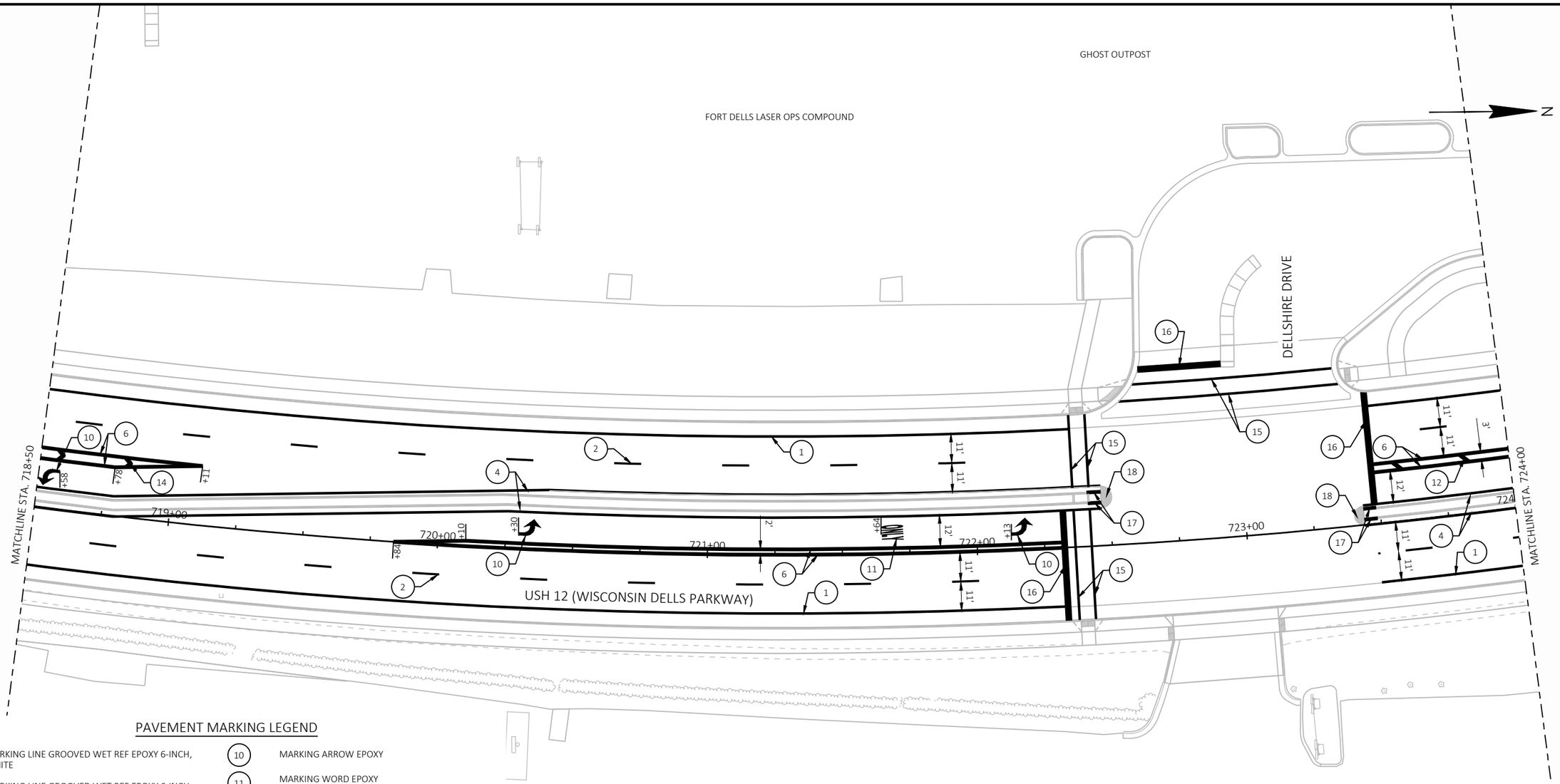


PAVEMENT MARKING LEGEND

1	MARKING LINE GROOVED WET REF EPOXY 6-INCH, WHITE
2	MARKING LINE GROOVED WET REF EPOXY 6-INCH, WHITE WITH MARKING LINE GROOVED BLACK EPOXY 6-INCH (12.5' WHITE LINE, 12.5' BLACK LINE, 25' SKIP)
3	MARKING LINE GROOVED WET REF EPOXY 6-INCH, WHITE (3' LINE, 9' SKIP)
4	MARKING LINE GROOVED WET REF EPOXY 6-INCH, YELLOW
5	MARKING LINE GROOVED WET REF EPOXY 6-INCH, YELLOW (12.5' LINE, 37.5' SKIP)
6	MARKING LINE GROOVED WET REF EPOXY 10-INCH, WHITE
7	MARKING LINE GROOVED WET REF EPOXY 10-INCH WHITE (3' LINE, 9' SKIP)
8	MARKING LINE GROOVED WET REF EPOXY 6-INCH, YELLOW (2' LINE, 6' SKIP)
9	MARKING LINE GROOVED WET REF EPOXY 10-INCH WHITE (2' LINE, 6' SKIP)
10	MARKING ARROW EPOXY
11	MARKING WORD EPOXY
12	MARKING SYMBOL EPOXY
13	MARKING DIAGONAL EPOXY 12-INCH, YELLOW (25' C-C, UNLESS OTHERWISE NOTED)
14	MARKING DIAGONAL EPOXY 12-INCH, WHITE (25' C-C)
15	MARKING CROSSWALK EPOXY TRAVERSE LINE 6-INCH
16	MARKING STOP LINE EPOXY 18-INCH
17	MARKING CURB EPOXY, YELLOW
18	MARKING ISLAND NOSE EPOXY, YELLOW
19	MARKING LINE EPOXY 4-INCH, YELLOW
20	MARKING LINE EPOXY, 8-INCH, WHITE
21	MARKING LINE EPOXY 4-INCH. WHITE

PROJECT NO: 6145-01-74	HWY: USH 12	COUNTY: SAUK	PAVEMENT MARKING	SHEET 455	E

2



PAVEMENT MARKING LEGEND

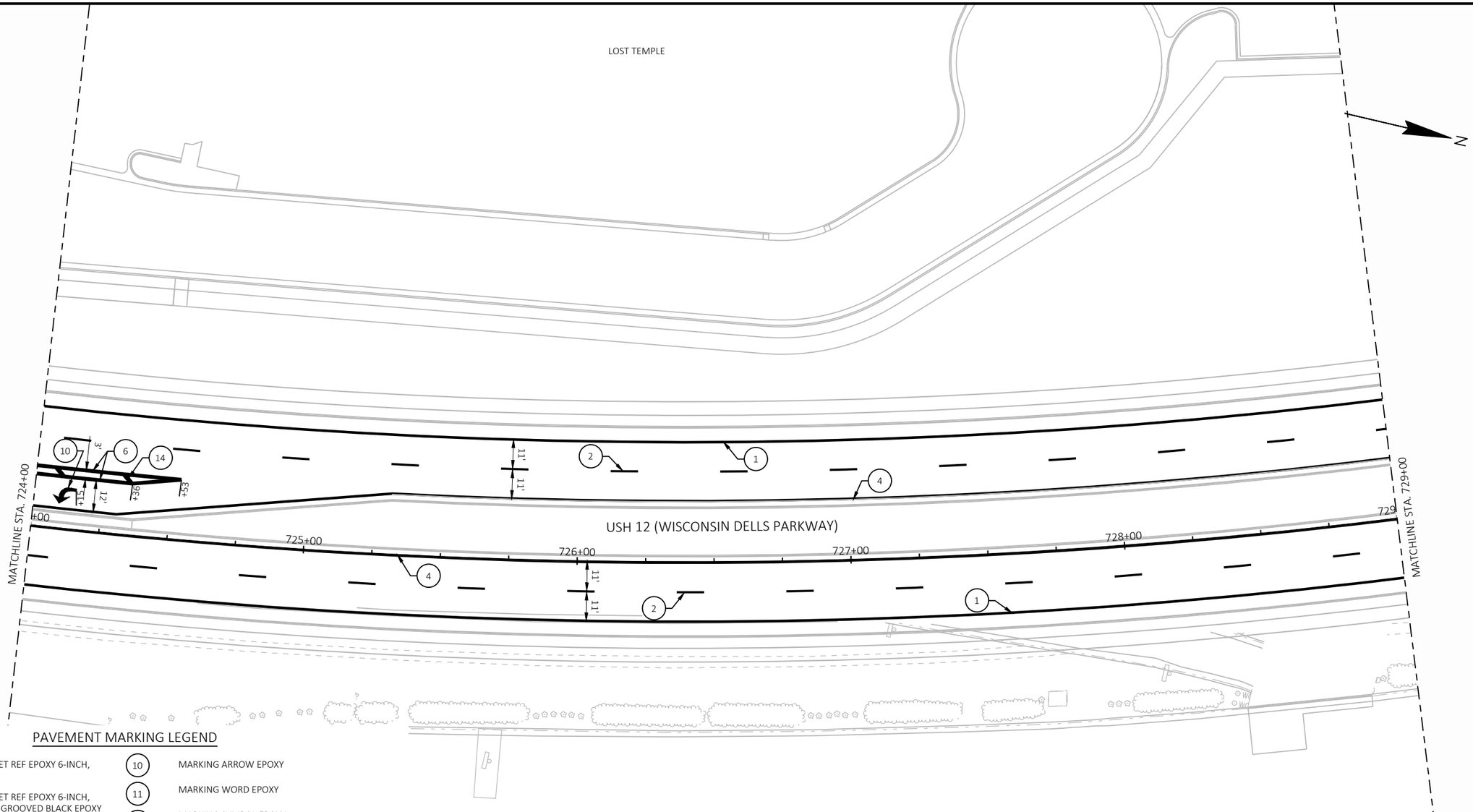
1. MARKING LINE GROOVED WET REF EPOXY 6-INCH, WHITE
2. MARKING LINE GROOVED WET REF EPOXY 6-INCH, WHITE WITH MARKING LINE GROOVED BLACK EPOXY 6-INCH (12.5' WHITE LINE, 12.5' BLACK LINE, 25' SKIP)
3. MARKING LINE GROOVED WET REF EPOXY 6-INCH, WHITE (3' LINE, 9' SKIP)
4. MARKING LINE GROOVED WET REF EPOXY 6-INCH, YELLOW
5. MARKING LINE GROOVED WET REF EPOXY 6-INCH, YELLOW (12.5' LINE, 37.5' SKIP)
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7. MARKING LINE GROOVED WET REF EPOXY 10-INCH WHITE (3' LINE, 9' SKIP)
8. MARKING LINE GROOVED WET REF EPOXY 6-INCH, YELLOW (2' LINE, 6' SKIP)
9. MARKING LINE GROOVED WET REF EPOXY 10-INCH WHITE (2' LINE, 6' SKIP)
10. MARKING ARROW EPOXY
11. MARKING WORD EPOXY
12. MARKING SYMBOL EPOXY
13. MARKING DIAGONAL EPOXY 12-INCH, YELLOW (25' C-C, UNLESS OTHERWISE NOTED)
14. MARKING DIAGONAL EPOXY 12-INCH, WHITE (25' C-C)
15. MARKING CROSSWALK EPOXY TRAVERSE LINE 6-INCH
16. MARKING STOP LINE EPOXY 18-INCH
17. MARKING CURB EPOXY, YELLOW
18. MARKING ISLAND NOSE EPOXY, YELLOW
19. MARKING LINE EPOXY 4-INCH, YELLOW
20. MARKING LINE EPOXY, 8-INCH, WHITE
21. MARKING LINE EPOXY 4-INCH. WHITE

GOODY GOODY GUMDROP

PROJECT NO: 6145-01-74	HWY: USH 12	COUNTY: SAUK	PAVEMENT MARKING	SHEET 456	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-74\024501-PM.DWG
LAYOUT NAME - 024528-pm
PLOT DATE : 6/17/2025 2:52 PM
PLOT BY : CHAPMAN, JULIE
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

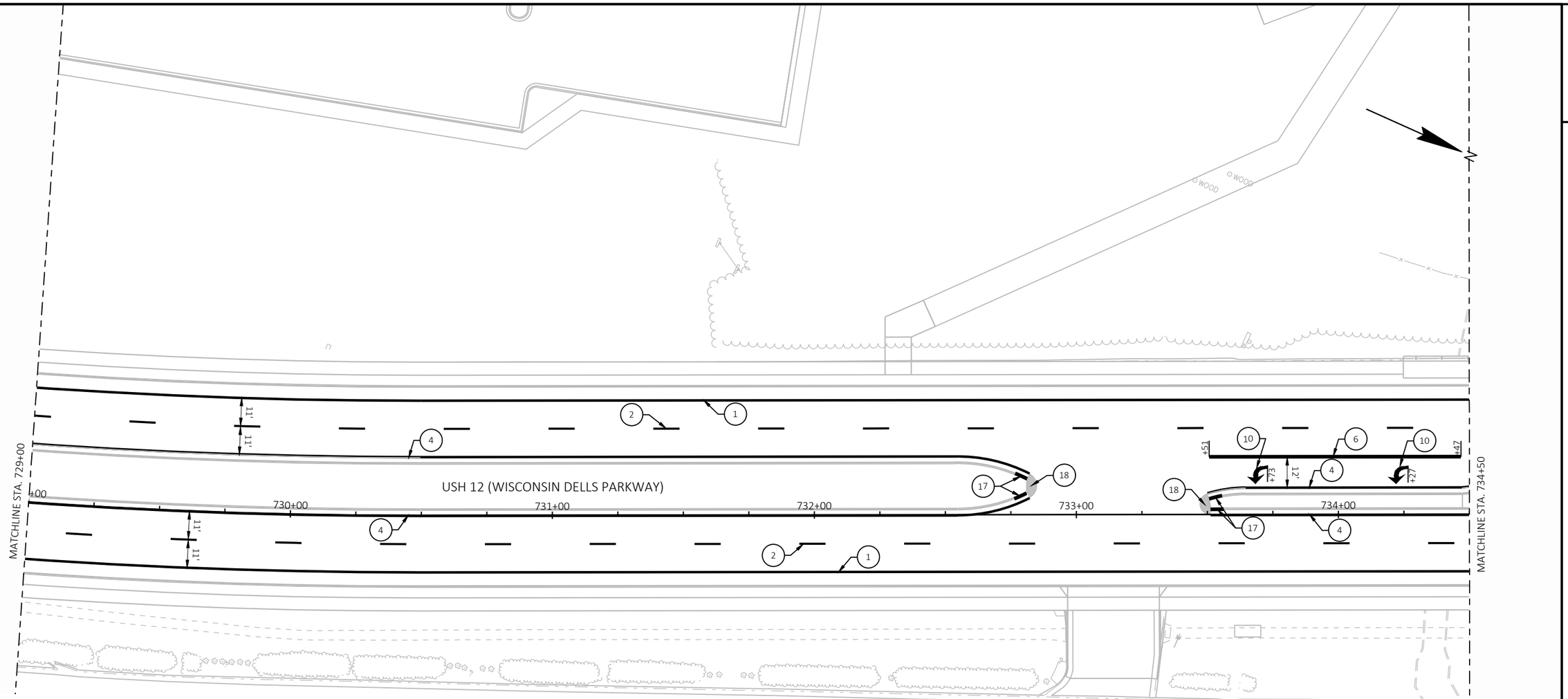


PAVEMENT MARKING LEGEND

1. MARKING LINE GROOVED WET REF EPOXY 6-INCH, WHITE
2. MARKING LINE GROOVED WET REF EPOXY 6-INCH, WHITE WITH MARKING LINE GROOVED BLACK EPOXY 6-INCH (12.5' WHITE LINE, 12.5' BLACK LINE, 25' SKIP)
3. MARKING LINE GROOVED WET REF EPOXY 6-INCH, WHITE (3' LINE, 9' SKIP)
4. MARKING LINE GROOVED WET REF EPOXY 6-INCH, YELLOW
5. MARKING LINE GROOVED WET REF EPOXY 6-INCH, YELLOW (12.5' LINE, 37.5' SKIP)
6. MARKING LINE GROOVED WET REF EPOXY 10-INCH, WHITE
7. MARKING LINE GROOVED WET REF EPOXY 10-INCH WHITE (3' LINE, 9' SKIP)
8. MARKING LINE GROOVED WET REF EPOXY 6-INCH, YELLOW (2' LINE, 6' SKIP)
9. MARKING LINE GROOVED WET REF EPOXY 10-INCH WHITE (2' LINE, 6' SKIP)
10. MARKING ARROW EPOXY
11. MARKING WORD EPOXY
12. MARKING SYMBOL EPOXY
13. MARKING DIAGONAL EPOXY 12-INCH, YELLOW (25' C-C, UNLESS OTHERWISE NOTED)
14. MARKING DIAGONAL EPOXY 12-INCH, WHITE (25' C-C)
15. MARKING CROSSWALK EPOXY TRAVERSE LINE 6-INCH
16. MARKING STOP LINE EPOXY 18-INCH
17. MARKING CURB EPOXY, YELLOW
18. MARKING ISLAND NOSE EPOXY, YELLOW
19. MARKING LINE EPOXY 4-INCH, YELLOW
20. MARKING LINE EPOXY, 8-INCH, WHITE
21. MARKING LINE EPOXY 4-INCH. WHITE

PROJECT NO: 6145-01-74	HWY: USH 12	COUNTY: SAUK	PAVEMENT MARKING	SHEET 457	E

2



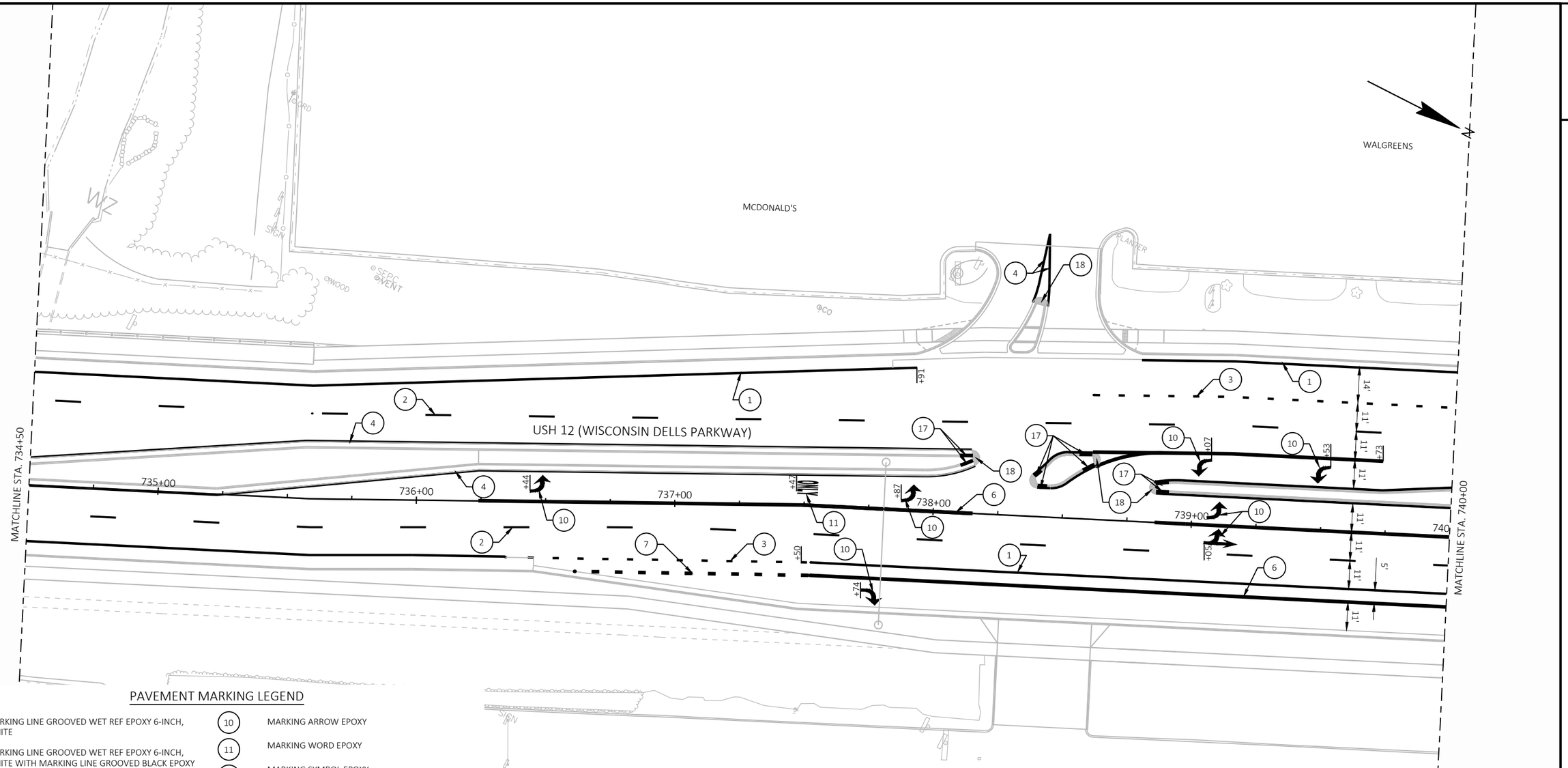
PAVEMENT MARKING LEGEND

1. MARKING LINE GROOVED WET REF EPOXY 6-INCH, WHITE
2. MARKING LINE GROOVED WET REF EPOXY 6-INCH, WHITE WITH MARKING LINE GROOVED BLACK EPOXY 6-INCH (12.5' WHITE LINE, 12.5' BLACK LINE, 25' SKIP)
3. MARKING LINE GROOVED WET REF EPOXY 6-INCH, WHITE (3' LINE, 9' SKIP)
4. MARKING LINE GROOVED WET REF EPOXY 6-INCH, YELLOW
5. MARKING LINE GROOVED WET REF EPOXY 6-INCH, YELLOW (12.5' LINE, 37.5' SKIP)
6. MARKING LINE GROOVED WET REF EPOXY 10-INCH, WHITE
7. MARKING LINE GROOVED WET REF EPOXY 10-INCH WHITE (3' LINE, 9' SKIP)
8. MARKING LINE GROOVED WET REF EPOXY 6-INCH, YELLOW (2' LINE, 6' SKIP)
9. MARKING LINE GROOVED WET REF EPOXY 10-INCH WHITE (2' LINE, 6' SKIP)
10. MARKING ARROW EPOXY
11. MARKING WORD EPOXY
12. MARKING SYMBOL EPOXY
13. MARKING DIAGONAL EPOXY 12-INCH, YELLOW (25' C-C, UNLESS OTHERWISE NOTED)
14. MARKING DIAGONAL EPOXY 12-INCH, WHITE (25' C-C)
15. MARKING CROSSWALK EPOXY TRAVERSE LINE 6-INCH
16. MARKING STOP LINE EPOXY 18-INCH
17. MARKING CURB EPOXY, YELLOW
18. MARKING ISLAND NOSE EPOXY, YELLOW
19. MARKING LINE EPOXY 4-INCH, YELLOW
20. MARKING LINE EPOXY, 8-INCH, WHITE
21. MARKING LINE EPOXY 4-INCH. WHITE

PROJECT NO: 6145-01-74	HWY: USH 12	COUNTY: SAUK	PAVEMENT MARKING	SHEET 458	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-74\024501-PM.DWG
LAYOUT NAME - 024530-pm
PLOT DATE : 6/17/2025 2:52 PM
PLOT BY : CHAPMAN, JULIE
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2



PAVEMENT MARKING LEGEND

1. MARKING LINE GROOVED WET REF EPOXY 6-INCH, WHITE
2. MARKING LINE GROOVED WET REF EPOXY 6-INCH, WHITE WITH MARKING LINE GROOVED BLACK EPOXY 6-INCH (12.5' WHITE LINE, 12.5' BLACK LINE, 25' SKIP)
3. MARKING LINE GROOVED WET REF EPOXY 6-INCH, WHITE (3' LINE, 9' SKIP)
4. MARKING LINE GROOVED WET REF EPOXY 6-INCH, YELLOW
5. MARKING LINE GROOVED WET REF EPOXY 6-INCH, YELLOW (12.5' LINE, 37.5' SKIP)
6. MARKING LINE GROOVED WET REF EPOXY 10-INCH, WHITE
7. MARKING LINE GROOVED WET REF EPOXY 10-INCH WHITE (3' LINE, 9' SKIP)
8. MARKING LINE GROOVED WET REF EPOXY 6-INCH, YELLOW (2' LINE, 6' SKIP)
9. MARKING LINE GROOVED WET REF EPOXY 10-INCH WHITE (2' LINE, 6' SKIP)
10. MARKING ARROW EPOXY
11. MARKING WORD EPOXY
12. MARKING SYMBOL EPOXY
13. MARKING DIAGONAL EPOXY 12-INCH, YELLOW (25' C-C, UNLESS OTHERWISE NOTED)
14. MARKING DIAGONAL EPOXY 12-INCH, WHITE (25' C-C)
15. MARKING CROSSWALK EPOXY TRAVERSE LINE 6-INCH
16. MARKING STOP LINE EPOXY 18-INCH
17. MARKING CURB EPOXY, YELLOW
18. MARKING ISLAND NOSE EPOXY, YELLOW
19. MARKING LINE EPOXY 4-INCH, YELLOW
20. MARKING LINE EPOXY, 8-INCH, WHITE
21. MARKING LINE EPOXY 4-INCH. WHITE

PROJECT NO: 6145-01-74	HWY: USH 12	COUNTY: SAUK	PAVEMENT MARKING	SHEET 459	E

2

END CONSTRUCTION/PROJECT 6145-01-74
STA. 742+91.59

742+00
743+00
744+00
745+00

MATCHLINE STA. 740+00

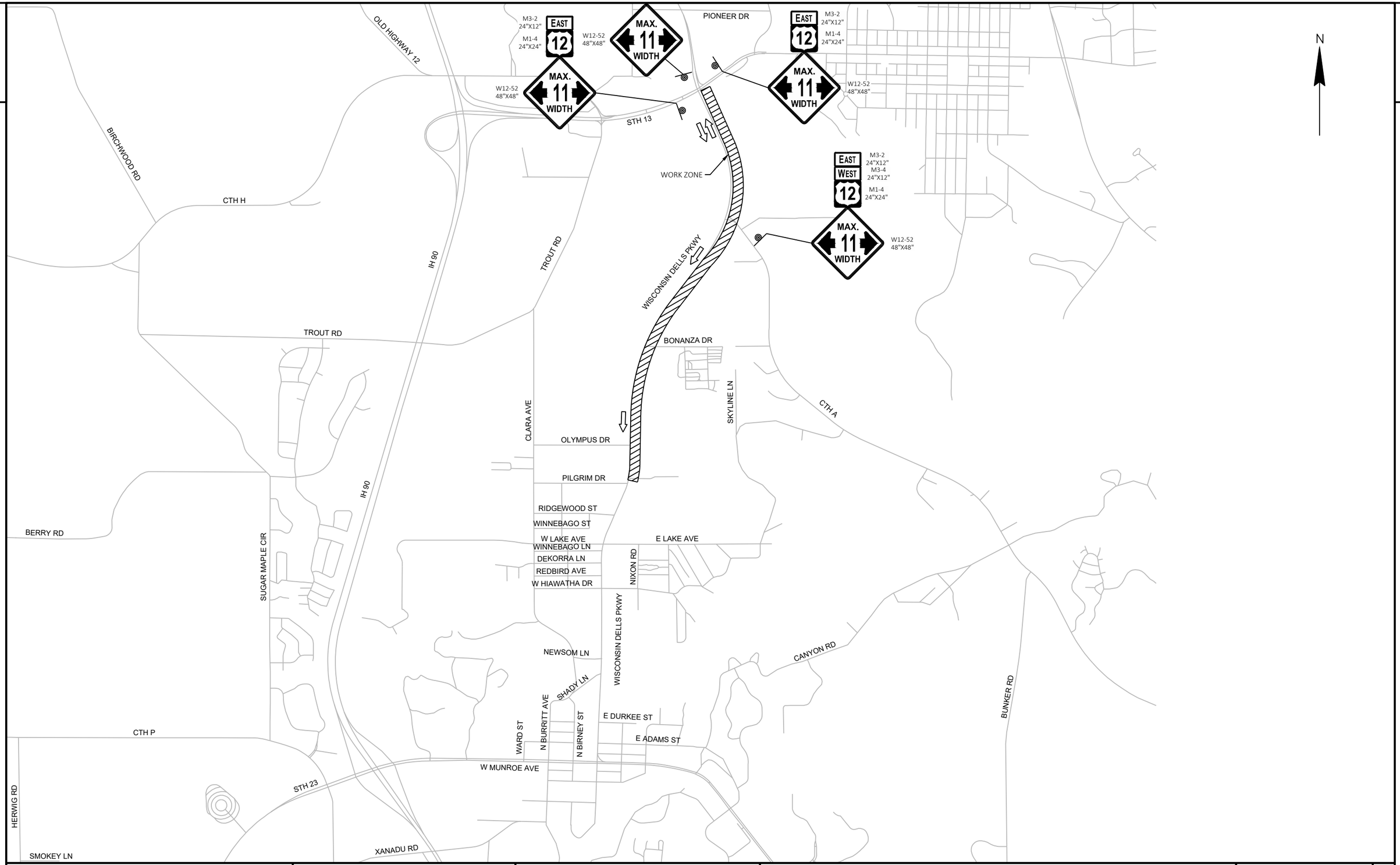
MEXICALI ROSE/ DOCKSIDE SHOPS

PAVEMENT MARKING LEGEND

1. MARKING LINE GROOVED WET REF EPOXY 6-INCH, WHITE
2. MARKING LINE GROOVED WET REF EPOXY 6-INCH, WHITE WITH MARKING LINE GROOVED BLACK EPOXY 6-INCH (12.5' WHITE LINE, 12.5' BLACK LINE, 25' SKIP)
3. MARKING LINE GROOVED WET REF EPOXY 6-INCH, WHITE (3' LINE, 9' SKIP)
4. MARKING LINE GROOVED WET REF EPOXY 6-INCH, YELLOW
5. MARKING LINE GROOVED WET REF EPOXY 6-INCH, YELLOW (12.5' LINE, 37.5' SKIP)
6. MARKING LINE GROOVED WET REF EPOXY 10-INCH, WHITE
7. MARKING LINE GROOVED WET REF EPOXY 10-INCH WHITE (3' LINE, 9' SKIP)
8. MARKING LINE GROOVED WET REF EPOXY 6-INCH, YELLOW (2' LINE, 6' SKIP)
9. MARKING LINE GROOVED WET REF EPOXY 10-INCH WHITE (2' LINE, 6' SKIP)
10. MARKING ARROW EPOXY
11. MARKING WORD EPOXY
12. MARKING SYMBOL EPOXY
13. MARKING DIAGONAL EPOXY 12-INCH, YELLOW (25' C-C, UNLESS OTHERWISE NOTED)
14. MARKING DIAGONAL EPOXY 12-INCH, WHITE (25' C-C)
15. MARKING CROSSWALK EPOXY TRAVERSE LINE 6-INCH
16. MARKING STOP LINE EPOXY 18-INCH
17. MARKING CURB EPOXY, YELLOW
18. MARKING ISLAND NOSE EPOXY, YELLOW
19. MARKING LINE EPOXY 4-INCH, YELLOW
20. MARKING LINE EPOXY, 8-INCH, WHITE
21. MARKING LINE EPOXY 4-INCH. WHITE

PROJECT NO: 6145-01-74	HWY: USH 12	COUNTY: SAUK	PAVEMENT MARKING	SHEET 460	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-74\024501-PM.DWG
LAYOUT NAME - 024532-pm
PLOT DATE : 6/17/2025 2:53 PM
PLOT BY : CHAPMAN, JULIE
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42



2

PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	ADVANCED TRAFFIC CONTROL - STAGE 1	SHEET 461	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\SINGLE LET_ALL IDS\025100_TC_ADVANCED WIDTH RESTRICTION.DWG
LAYOUT NAME - 01
PLOT DATE : 6/17/2025 2:58 PM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:1750 FT
WISDOT/CADDS SHEET 42

2

2

N

M3-2 24"X12"
M1-4 24"X24"
EAST 12
W12-52 48"X48"
MAX. 11 WIDTH

M3-2 24"X12"
M3-4 24"X12"
M1-4 24"X24"
EAST WEST 12

OLD HIGHWAY 12
PIONEER DR
STH 13
BIRCHWOOD RD
CTH H
IH 90
TROUT RD
WORK ZONE
WISCONSIN DELLS PKWY
BONANZA DR
SKYLINE LN
CTH A
CLARA AVE
OLYMPUS DR
PILGRIM DR
RIDGEWOOD ST
WINNEBAGO ST
W LAKE AVE
E LAKE AVE
WINNEBAGO LN
DEKORRA LN
REDBIRD AVE
W HIAWATHA DR
NIXON RD
BERRY RD
SUGAR MAPLE CIR
NEWSOM LN
CANYON RD
BUNKER RD
SHADY LN
E DURKEE ST
E ADAMS ST
WARD ST
N BURRITT AVE
N BIRNEY ST
W MUNROE AVE
CTH P
STH 23
HERWIG RD
SMOKEY LN
XANADU RD

PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	ADVANCED TRAFFIC CONTROL - STAGE 2	SHEET 462	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\SINGLE LET_ALL IDS\025100_TC_ADVANCED WIDTH RESTRICTION.DWG
LAYOUT NAME - 02

PLOT DATE : 6/17/2025 2:58 PM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:1750 FT

WISDOT/CADDS SHEET 42

2

2

N

PIONEER DR

OLD HIGHWAY 12

STH 13

BIRCHWOOD RD

CTH H

IH 90

TROUT RD

WISCONSIN DELLS PKWY

TROUT RD

BONANZA DR

SKYLINE LN

CTH A

CLARA AVE

OLYMPUS DR

PILGRIM DR

RIDGEWOOD ST

WORK ZONE

WINNEBAGO ST

W LAKE AVE

E LAKE AVE

WINNEBAGO LN

DEKORRA LN

REDBIRD AVE

W HIAWATHA DR

NIXON RD

BERRY RD

SUGAR MAPLE CIR

IH 90

WISCONSIN DELLS PKWY

NEWSOM LN

CANYON RD

SHADY LN

BUNKER RD

M3-4
24"X12"
M1-4
24"X24"

WEST
12

MAX.
11
WIDTH

W12-52
48"X48"

WARD ST

N BURRITT AVE

N BIRNEY ST

E DURKEE ST

E ADAMS ST

W MUNROE AVE

CTH P

STH 23

HERWIG RD

SMOKEY LN

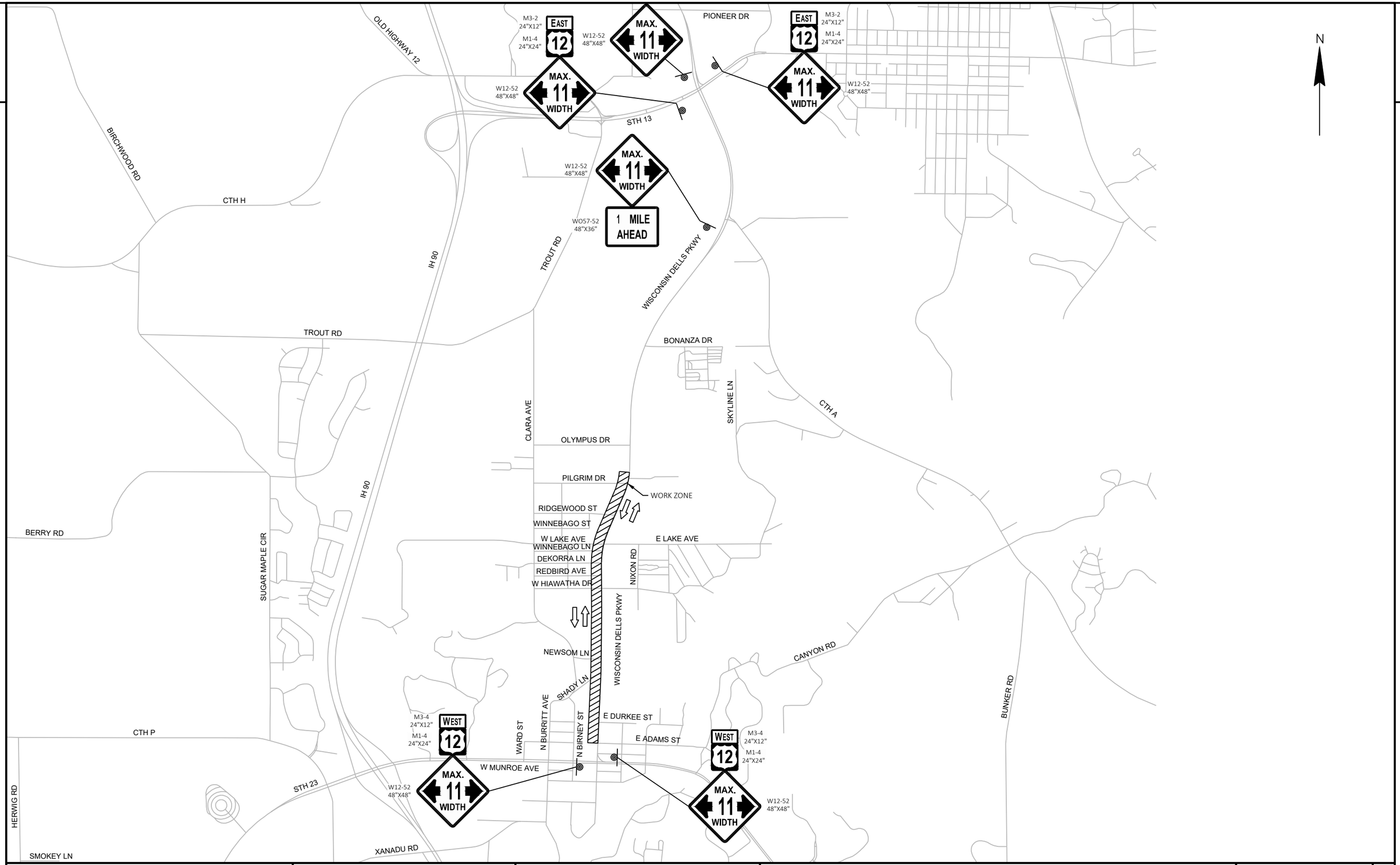
XANADU RD

PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	ADVANCED TRAFFIC CONTROL - STAGE 3	SHEET 463	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\SINGLE LET_ALL IDS\025100_TC_ADVANCED WIDTH RESTRICTION.DWG
LAYOUT NAME - 03

PLOT DATE : 6/17/2025 2:58 PM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:1750 FT

WISDOT/CADDS SHEET 42



PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	ADVANCED TRAFFIC CONTROL - STAGE 4	SHEET 464	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\SINGLE LET_ALL IDS\025100_TC_ADVANCED WIDTH RESTRICTION.DWG
LAYOUT NAME - 04
PLOT DATE : 6/17/2025 2:58 PM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:1750 FT
WISDOT/CADDS SHEET 42

2

N

M3-2
24"X12"
M1-4
24"X24"
EAST
12
W12-52
48"X48"
MAX.
11
WIDTH

M3-2
24"X12"
M1-4
24"X24"
EAST
12
W12-52
48"X48"
MAX.
11
WIDTH

W12-52
48"X48"
MAX.
11
WIDTH

W12-52
48"X48"
MAX.
11
WIDTH

WO57-52
48"X36"
1 MILE
AHEAD

M3-4
24"X12"
M1-4
24"X24"
WEST
12
W12-52
48"X48"
MAX.
11
WIDTH

M3-4
24"X12"
M1-4
24"X24"
WEST
12
W12-52
48"X48"
MAX.
11
WIDTH

OLD HIGHWAY 12
PIONEER DR
STH 13
BIRCHWOOD RD
CTH H
IH 90
TROUT RD
WISCONSIN DELLS PKWY
BONANZA DR
CLARA AVE
SKYLINE LN
CTH A
OLYMPUS DR
PILGRIM DR
RIDGEWOOD ST
WORK ZONE
WINNEBAGO ST
W LAKE AVE
E LAKE AVE
WINNEBAGO LN
DEKORRA LN
REDBIRD AVE
W HIAWATHA DR
NIXON RD
BERRY RD
SUGAR MAPLE CIR
NEWSOM LN
CANYON RD
SHADY LN
BUNKER RD
E DURKEE ST
E ADAMS ST
WARD ST
N BURRITT AVE
N BIRNEY ST
W MUNROE AVE
CTH P
STH 23
HERWIG RD
SMOKEY LN
XANADU RD

PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	ADVANCED TRAFFIC CONTROL - STAGE 5	SHEET 465	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\SINGLE LET_ALL IDS\025100_TC_ADVANCED WIDTH RESTRICTION.DWG
LAYOUT NAME - 05
PLOT DATE : 6/17/2025 2:58 PM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:1750 FT
WISDOT/CADDS SHEET 42

2

GENERAL NOTES

- ANY SIGNS, TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.
- ALL TRAFFIC CONTROL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED.
- "WO" SIGNS ARE THE SAME AS "W" SIGNS EXCEPT THE BACKGROUND IS REFLECTIVE ORANGE.
- CONSIDER GEOMETRICS WHEN LOCATING SIGNS, ARROW BOARDS AND SIGN MESSAGE BOARDS SO THE DRIVER HAS CLEAR VIEW OF THE ARROW BOARDS, SIGN MESSAGE BOARDS AND LANE CLOSURE DRUMS FOR A MINIMUM OF 1500 FEET IN FRONT OF THE DRUMS.
- IF SIGNS ARE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS, THE ADVANCED WARNING SIGNS MAY BE MOUNTED ON PORTABLE SUPPORTS WITH A MINIMUM 5FT MOUNTING HEIGHT.
- ALL TRAFFIC CONTROL SIGNING SHALL CONFORM TO: PART VI OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, WISCONSIN MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES, TRAFFIC ENGINEERING, OPERATIONS AND SAFETY MANUAL, AND OTHER CONTRACT DOCUMENTS.
- THE TURNING OF TRAFFIC CONTROL DEVICES WHEN NOT IN USE TO OBSCURE THE MESSAGE WILL NOT BE ALLOWED.
- REMOVE PAVEMENT MARKINGS NOT APPROPRIATE FOR THE TRAVEL PATH IN USE.
- THE LANE CLOSURE SERIES SHALL BE INSTALLED AS A COMPLETE UNIT WHICH INCLUDES ALL ADVANCE WARNING SIGNING, DRUMS AND ARROW BOARDS.
- NIGHT-TIME LANE CLOSURES SHALL FOLLOW SDD FOR TRAFFIC CONTROL, SINGLE LANE CLOSURE, NON-FREEWAY/EXPRESSWAY.
- CONTRACTOR SHALL PROVIDE ACCESS TO DRIVEWAYS IN LOCATIONS WHERE LANE CLOSURES ARE IMPLEMENTED BUT NO CONSTRUCTION ACTIVITY IS OCCURRING. AS CONSTRUCTION OPERATIONS COMMENCE, THE CONTRACTOR SHALL COORDINATE WITH PROPERTY OWNERS ON PERMANENT CLOSURE OF EXISTING DRIVEWAYS. NOTE THAT SOME PROPERTIES MAY HAVE MULTIPLE ACCESS LOCATIONS AND ARE BEING REDUCED TO A SINGLE ACCESS. BOTH PERMANENT AND TEMPORARY DRIVEWAY CLOSURES SHOULD LOOK TO MAINTAIN ACCESS AT ALL TIMES.

TRAFFIC

- **PRE-STAGE TRAFFIC**
  - USH 12 TRAFFIC WILL BE MAINTAINED ON ALL LANES EXCEPT FOR SINGLE LANE CLOSURES IN EACH DIRECTION AT CTH A AND STH 13. STH 13 TRAFFIC WILL BE MAINTAINED ON ALL EXISTING LANES.
  - LOCAL ROAD TRAFFIC WILL BE MAINTAINED ON ALL EXISTING LANES.
- **STAGE 1 TRAFFIC**
  - E ADAMS ST TO PILGRIM DR
    - -- USH 12 TRAFFIC WILL BE MAINTAINED ON BOTH EB LANES AND THE INSIDE WB LANE.
    - -- LOCAL ROAD TRAFFIC WILL BE MAINTAINED ON ALL EXISTING LANES.
  - PILGRIM DR TO CTH A
    - -- EB USH 12 TRAFFIC WILL BE MAINTAINED ON THE OUTSIDE EB LANE. WB USH 12 TRAFFIC WILL BE DETOURED.
    - -- LOCAL ROAD TRAFFIC WILL BE MAINTAINED ON ALL EXISTING LANES EXCEPT AS SPECIFIED IN THE PROSECUTION AND PROGRESS ARTICLE OF THE SPECIAL PROVISIONS.
  - CTH A TO STH 13
    - -- EB USH 12 TRAFFIC WILL BE MAINTAINED ON OUTSIDE EB LANE. WB USH 12 TRAFFIC WILL BE MAINTAINED ON THE INSIDE EB LANE.
    - -- LOCAL ROAD TRAFFIC WILL BE MAINTAINED ON ALL EXISTING LANES EXCEPT AS SPECIFIED IN THE PROSECUTION AND PROGRESS ARTICLE OF THE SPECIAL PROVISIONS.
  - STH 13 TRAFFIC WILL BE MAINTAINED ON EXISTING LANES WITH SINGLE LANE CLOSURES IN EACH DIRECTION.
  - MILLING OF EXISTING ASPHALT AND TEMPORARY PAVEMENT TO BLEND PROPOSED USH 12 WB LANES TO EXISTING EB LANES TO OPEN FOR POST-STAGE 1. USH 12 TRAFFIC MAY BE SHIFTED TO NEWLY CONSTRUCTED WB LANES TO COMPLETE THE MILLING AND TEMPORARY PAVEMENT THAT OCCURS IN THE EXISTING EB LANES.
- **POST STAGE 1 TRAFFIC**
  - ALL LANES OPEN TO TRAFFIC EXCEPT AS SPECIFIED IN THE PROSECUTION AND PROGRESS ARTICLE OF THE SPECIAL PROVISIONS.
- **STAGE 2 TRAFFIC**
  - E ADAMS ST TO SHADY LN
    - -- USH 12 TRAFFIC WILL BE MAINTAINED ON BOTH EB LANES AND THE INSIDE WB LANE.
    - -- LOCAL ROAD TRAFFIC WILL BE MAINTAINED ON ALL EXISTING LANES.
  - SHADY LN TO PILGRIM DR
    - -- EB USH 12 TRAFFIC WILL BE MAINTAINED ON OUTSIDE EB LANE. WB USH 12 TRAFFIC WILL BE MAINTAINED ON THE INSIDE EB LANE.
    - -- LOCAL ROAD TRAFFIC WILL BE MAINTAINED ON ALL EXISTING LANES.
  - PILGRIM DR TO STH 13 (STAGE 2A)
    - -- EB USH 12 TRAFFIC WILL BE MAINTAINED ON THE INSIDE WB LANE. WB USH 12 TRAFFIC WILL BE MAINTAINED ON THE OUTSIDE WB LANE.
    - -- LOCAL ROAD TRAFFIC WILL BE MAINTAINED ON ALL EXISTING LANE.
  - PILGRIM DR TO OLYMPUS DR (STAGE 2B)
    - -- EB USH 12 TRAFFIC WILL BE MAINTAINED ON THE OUTSIDE EB LANE. WB USH 12 TRAFFIC WILL BE MAINTAINED ON THE OUTSIDE WB LANE.
    - -- LOCAL ROAD TRAFFIC WILL BE MAINTAINED ON ALL EXISTING LANE.
  - OLYMPUS DR TO STH 13 (STAGE 2B)
    - -- EB USH 12 TRAFFIC WILL BE MAINTAINED ON THE ONSIDE WB LANE. WB USH 12 TRAFFIC WILL BE MAINTAINED ON THE OUTSIDE WB LANE.
    - -- LOCAL ROAD TRAFFIC WILL BE MAINTAINED ON ALL EXISTING LANE.
  - STH 13 TRAFFIC WILL BE MAINTAINED ON EXISTING LANES WITH SINGLE LANE CLOSURES IN EACH DIRECTION.
- **STAGE 3 TRAFFIC**
  - E ADAMS ST TO OLYMPUS RD (STAGE 3)
    - -- EB USH 12 TRAFFIC WILL BE DETOURED. WB USH 12 TRAFFIC WILL BE MAINTAINED ON THE OUTSIDE EB LANE UP TO PILGRIM DR AND THEN TRAFFIC WILL CROSS OVER TO THE OUTSIDE WB LANE PRIOR TO OLYMPUS RD.
    - -- MILLING OFF EXISTING ASPHALT AND TEMPORARY PAVEMENT TO BLEND PROPOSED USH 12 WB LANES TO EXISTING EB LANES TO OPEN FOR POST-STAGE 3. USH 12 TRAFFIC MAY BE SHIFTED TO NEWLY CONSTRUCTED WB LANES TO COMPLETE THE MILLING AND TEMPORARY PAVEMENT THAT OCCURS IN THE EXISTING EB LANES.
    - -- LOCAL ROAD TRAFFIC WILL BE MAINTAINED ON ALL EXISTING LANES EXCEPT AS SPECIFIED IN THE PROSECUTION AND PROGRESS ARTICLE OF THE SPECIAL PROVISIONS.
  - OLYMPUS RD TO STH 13 (STAGE 3A)
    - -- EB USH 12 TRAFFIC WILL BE MAINTAINED ON THE OUTSIDE EB LANE. WB USH 12 TRAFFIC WILL BE MAINTAINED ON THE OUTSIDE WB LANE.
    - -- LOCAL ROAD TRAFFIC WILL BE MAINTAINED ON ALL EXISTING LANES.
  - OLYMPUS RD TO STH 13 (STAGE 3B)
    - -- USH 12 TRAFFIC WILL BE MAINTAINED ON ALL LANES.
    - -- LOCAL ROAD TRAFFIC WILL BE MAINTAINED ON ALL EXISTING LANES.
  - STH 13 TRAFFIC WILL BE MAINTAINED ON ALL EXISTING LANES.
- **POST STAGE 3 TRAFFIC**

  ALL LANES OPEN TO TRAFFIC EXCEPT AS SPECIFIED IN THE PROSECUTION AND PROGRESS ARTICLE OF THE SPECIAL PROVISIONS.
- **STAGE 4 TRAFFIC**
  - E ADAMS ST TO NEWSOM LN (STAGE 4A)
    - -- EB USH 12 TRAFFIC WILL BE DETOURED. WB USH 12 TRAFFIC WILL BE MAINTAINED ON THE OUTSIDE WB LANE.
    - -- LOCAL ROAD TRAFFIC WILL BE MAINTAINED ON ALL EXISTING LANES EXCEPT AS SPECIFIED IN THE PROSECUTION AND PROGRESS ARTICLE OF THE SPECIAL PROVISIONS.
  - E ADAMS ST TO NEWSOM LN (STAGE 4B)
    - -- EB USH 12 TRAFFIC WILL BE MAINTAINED ON THE INSIDE WB LANE. WB USH 12 TRAFFIC WILL BE MAINTAINED ON WB LANE.LOCAL ROAD TRAFFIC WILL BE MAINTAINED ON ALL EXISTING LANES EXCEPT AS SPECIFIED IN THE PROSECUTION AND PROGRESS ARTICLE OF THE SPECIAL PROVISIONS.

TRAFFIC CONT'D

  - NEWSOM LN TO OLYMPUS RD (STAGE 4)
    - -- EB USH 12 TRAFFIC WILL BE MAINTAINED ON THE INSIDE WB LANE AND THEN TRAFFIC WILL CROSS OVER FROM THE INSIDE EB LANE BETWEEN PILGRIM DR AND OLYMPUS RD. WB USH 12 TRAFFIC WILL BE MAINTAINED ON THE OUTSIDE WB LANE UP TO PILGRIM DR AND THEN ALL WB LANES WILL OPEN PRIOR TO OLYNPUS RD.
    - -- LOCAL ROAD TRAFFIC WILL BE MAINTAINED ON ALL EXISTING LANES EXCEPT AS SPECIFIED IN THE PROSECUTION AND PROGRESS ARTICLE OF THE SPECIAL PROVISIONS.
  - OLYMPUS RD TO STH 13 (STAGE 4)
    - -- USH 12 TRAFFIC WILL BE MAINTAINED ON ALL LANES EXCEPT FOR THE OUTSIDE EB LANE CLOSURE JUST NORTH OF OLYMPUS RD.
    - -- LOCAL ROAD TRAFFIC WILL BE MAINTAINED ON ALL EXISTING LANES.
  - STH 13 TRAFFIC WILL BE MAINTAINED ON ALL LANES.
- **STAGE 5 TRAFFIC**
  - E ADAMS ST TO OLYMPUS RD
    - -- EB USH 12 TRAFFIC WILL BE MAINTAINED ON THE OUTSIDE EB LANE UNTIL JUST NORTH OF OLYMPUS RD. WB USH 12 TRAFFIC WILL BE MAINTAINED ON THE OUTSIDE WB LANE UNTIL JUST NORTH OF OLYMPUS RD.
  - OLYMPUS RD TO STH 13
    - -- USH 12 TRAFFIC WILL BE MAINTAINED ON ALL LANES EXCEPT FOR THE EB AND WB INSIDE LANE CLOSURES JUST NORTH OF OLYMPUS RD.
  - LOCAL ROAD TRAFFIC WILL BE MAINTAINED ON ALL EXISTING LANES.
  - STH 13 TRAFFIC WILL BE MAINTAINED ON ALL LANES.
- **STAGE 6 TRAFFIC**
  - E ADAMS ST TO PILGRIM DR
    - -- EB USH 12 TRAFFIC WILL BE MAINTAINED ON THE INSIDE EB LANE UNTIL JUST NORTH OF PILGRIM DR. WB USH 12 TRAFFIC WILL BE MAINTAINED ON ALL LANES.
  - PILGRIM DR TO STH 13
    - -- USH 12 TRAFFIC WILL BE MAINTAINED ON ALL LANES JUST NORTH OF PILGRIM DR.
  - LOCAL ROAD TRAFFIC WILL BE MAINTAINED ON ALL EXISTING LANES.
  - STH 13 TRAFFIC WILL BE MAINTAINED ON ALL LANES.

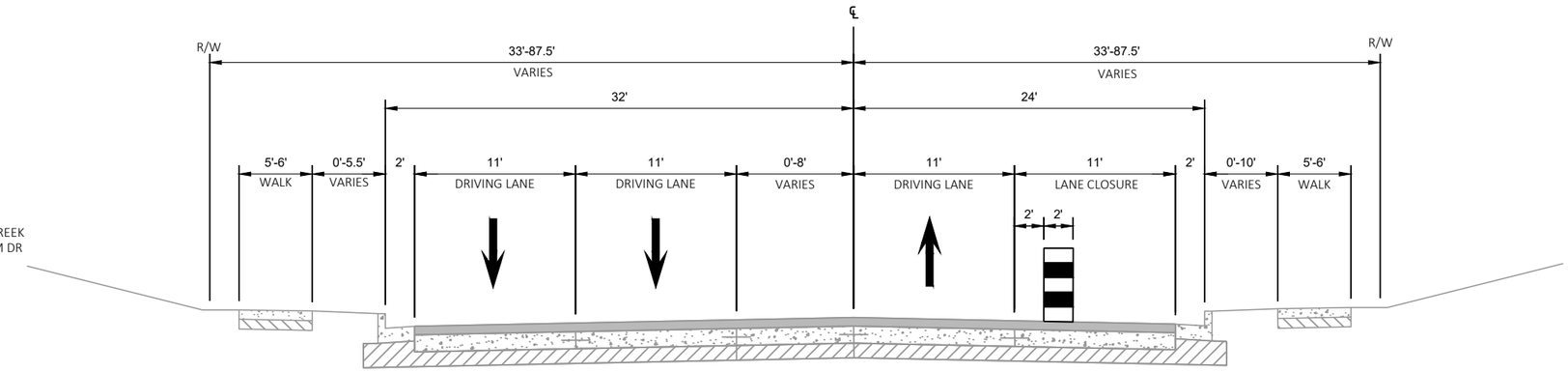
CONSTRUCTION STAGING

- **PRE-STAGE**
  - CONSTRUCT TEMPORARY PAVEMENT AREAS AT INTERSECTIONS OF USH 12 WITH CTH A, DELLSHIRE DR, AND STH 13. CONTRACTOR SHALL CONSTRUCT TEMPORARY PAVEMENT IN MEDIAN OF USH 12 SEPARATE FROM MEDIAN ON CTH A TO PROVIDE AMBLE SPACING FOR PEDESTRIANS DURING THIS CONSTRUCTION.
  - TEMPORARY PEDESTRIAN ACCOMMODATIONS SHALL BE PROVIDED AROUND THE CONSTRUCTION OF TEMPORARY PAVEMENT AT THE INTERSECTIONS OF USH 12 WITH CTH A AND STH 13 AND THEN REALIGNED TO FOLLOW THE EXISTING CROSSWALK MARKINGS.
  - TEMPORARY TRAFFIC SIGNALS SHALL BE INSTALLED AT THE INTERSECTIONS OF USH 12 WITH CTH A, DELLSHIRE DR AND STH 13 AS TEMPORARY PAVEMENT WILL BE INSTALLED IN LOCATIONS OF EXISTING SIGNAL POLES.
- **STAGE 1**
  - E ADAMS ST TO PILGRIM DR: NO CONSTRUCTION ACTIVITY.
  - PILGRIM DR TO STH 13:
    - -- CONSTRUCT NORTHBOUND LANES, PORTIONS OF MEDIAN OR TWLTL AND SIDEWALK.
    - -- CONSTRUCT RETAINING WALLS R-56-0043, R-56-0044, R-56-0048 AND SIGN STRUCTURE S-56-0031.
    - -- MILLING OF EXISTING ASPHALT AND TEMPORARY PAVEMENT TO BLEND PROPOSED NORTHBOUND LANES TO COMPLETE THE MILLING AND TEMPORARY PAVEMENT THAT OCCURS IN THE EXISTING SOUTHBOUND LANES.
  - TEMPORARY PEDESTRIAN ACCOMMODATIONS SHALL BE PROVIDED AT USH 12 WITH OLYMPUS RD, USH 12 WITH CTH A, ALONG USH 12 FROM CTH A TO STH 13 AND USH 12 WITH STH 13.
  - TEMPORARY RRFB SHALL BE INSTALLED AT USH 12 WITH OLYMPUS RD.
  - TEMPORARY TRAFFIC SIGNALS SHALL BE OPERATIONAL FOR USH 12 AND CTH A, DELLSHIRE DR AND STH 13.
- **POST STAGE 1**
  - ALL LANES OPEN TO TRAFFIC. WORK AND LANE CLOSURES ONLY ALLOWED UNDER PEAK SEASON HOURS AS SPECIFIED IN THE TRAFFIC ARTICLE OF THE SPECIAL PROVISIONS.
  - CARRYOVER WORK FROM STAGE 1 THAT CAN BE COMPLETED UNDER SINGLE LANE CLOSURE: STREET LIGHTING, CONCRETE TERRACES AND RETAINING WALL R-56-0045.
  - COLD PATCHING AS NEEDED FOR MAINTENANCE OF EXISTING PAVEMENT.
  - TEMPORARY TRAFFIC SIGNALS SHALL BE INSTALLED AT THE INTERSECTION OF USH 12 WITH OLYMPUS DR.
  - TEMPORARY TRAFFIC SIGNALS SHALL BE OPERATIONAL AND ALIGNED FOR NEW CONFIGURATION OF USH 12 WITH CTH A, DELLSHIRE DR AND STH 13.
- **STAGE 2**
  - E ADAMS ST TO PILGRIM DR
    - -- INSTALL SANITARY SEWER AND STORM SEWER IN NORTHBOUND LANES.
    - -- CONTRACTOR MAY BEGIN CONSTRUCTION OF STAGE 3 LANDSCAPING WALLS AND RETAINING WALLS.
  - PILGRIM DR TO STH 13
    - -- CONSTRUCT SOUTHBOUND LANES, PORTIONS OF MEDIAN OR TWLTL AND SIDEWALK/PATH.
    - -- CONSTRUCT RETAINING WALLS R-56-0045, R-56-0046 AND R-56-0047.
  - STH 13 (WEST LEG OF USH 12 INTERSECTION)
    - -- CONSTRUCT MEDIAN MODIFICATIONS OF STH 13
  - TEMPORARY PEDESTRIAN ACCOMMODATIONS SHALL BE PROVIDED FOR USH 12 WITH BONANZA PHB, USH 12 WITH CTH A, DELLSHIRE DR AND STH 13.
  - TEMPORARY RRFB SHALL BE INSTALLED AT USH 12 WITH OLYMPUS DR.
  - TEMPORARY TRAFFIC SIGNALS SHALL BE OPERATIONAL AND ALIGNED FOR NEW CONFIGURATION OF USH 12 WITH CTH A, DELLSHIRE DR AND STH 13.
  - TURN ON PERMANENT SIGNAL ON USH 12 WITH OLYMPUS DR BEFORE THE CONCLUSION OF STAGE 2B.
- **STAGE 3**
  - E ADAMS ST TO PILGRIM DR:
    - -- CONSTRUCT NORTHBOUND LANES, SIDEWALK AND PORTIONS OF TWLTL. CONSTRUCT RETAINING WALLS R-56-0038, R-56-0039, R-56-0041, L01, L02, L03, L04 AND L05.
    - -- MILLING OF EXISTING ASPHALT AND TEMPORARY PAVEMENT TO BLEND PROPOSED NORTHBOUND LANES TO EXISTING SOUTHBOUND LANES TO COMPLETE THE MILLING AND TEMPORARY PAVEMENT THAT OCCURS IN THE EXISTING SOUTHBOUND LANES.
    - -- TEMPORARY PEDESTRIAN ACCOMMODATIONS SHALL BE PROVIDED FOR USH 12 WITH E HIAWATHA DR, USH 12 WITH E LAKE AVE, DETOUR FOR CLOSURE OF E HIAWATHA AND E LAKE AVE, AND USH 12 WITH PILGRIM DR.
    - -- TEMPORARY TRAFFIC SIGNALS SHALL BE OPERATIONAL AND ALIGNED FOR NEW CONFIGURATION OF USH 12 WITH LAKE AVE.
  - PILGRIM DR TO STH 13
    - -- CONSTRUCT REMAINING PORTIONS OF TWLTL AND MEDIAN.
    - -- TURN ON PERMANENT SIGNALS ON USH 12 WITH BONANZA PHB, CTH A, DELLSHIRE DR AND STH 13 BEFORE THE CONCLUSION OF STAGE 3A. SIGNALS SHOULD BE OPERATIONAL PRIOR TO OPENING ALL LANES OF USH 12 TRAFFIC BY APRIL 28, 2028.
- **POST STAGE 3**
  - ALL LANES OPEN TO TRAFFIC. WORK AND LAND CLOSURES ONLY ALLOWED UNDER PEAK SEASON HOURS AS SPECIFIED IN THE TRAFFIC ARTICLE OF THE SPECIAL PROVISIONS.
  - CARRYOVER WORK FROM STAGE 3 THAT CAN BE COMPLETED UNDER SINGLE LANE CLOSURE: STREET LIGHTING, AND CONCRETE TERRACES.
  - COLD PATCHING AS NEEDED FOR MAINTENANCE OF EXISTING PAVEMENT.
  - TEMPORARY TRAFFIC SIGNALS SHALL BE OPERATIONAL AND ALIGNED FOR NEW CONFIGURATION OF USH 12 WITH LAKE AVE.
- **STAGE 4**
  - E ADAMS ST TO OLYMPUS RD:
    - -- CONSTRUCT SOUTHBOUND LANES AND SIDEWALK.
  - OLYMPUS RD TO STH 13
    - -- NO CONSTRUCTION ACTIVITY. LANES OPEN AS SHOWN IN TRAFFIC CONTROL PLANS.
  - TEMPORARY PEDESTRIAN ACCOMMODATIONS SHALL BE PROVIDED FOR USH 12 WITH NEWSOM LN, USH 12 WITH W HIAWATHA DR, USH 12 WITH W LAKE AVE, AND USH 12 WITH RIDGEWOOD ST.
  - TEMPORARY TRAFFIC SIGNAL SHALL BE OPERATIONAL AND ALIGNED FOR NEW CONFIGURATION OF USH 12 WITH LAKE AVE.
- **STAGE 5**
  - E ADAMS ST TO OLYMPUS RD:
    - -- CONSTRUCT REMAINING TWLTL AND MEDIAN.
    - -- TURN ON PERMANENT SIGNALS ON USH 12 WITH NEWSOM PHB, HIAWATHA PHB AND LAKE AVE.
- **STAGE 6**
  - -- FINISHING ROADWAY ITEMS, STREET LIGHTING, CONCRETE TERRACES AND CLEAN-UP UNDER SINGLE LANE CLOSURES.

2

PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	TRAFFIC CONTROL: GENERAL NOTES	SHEET 466	E

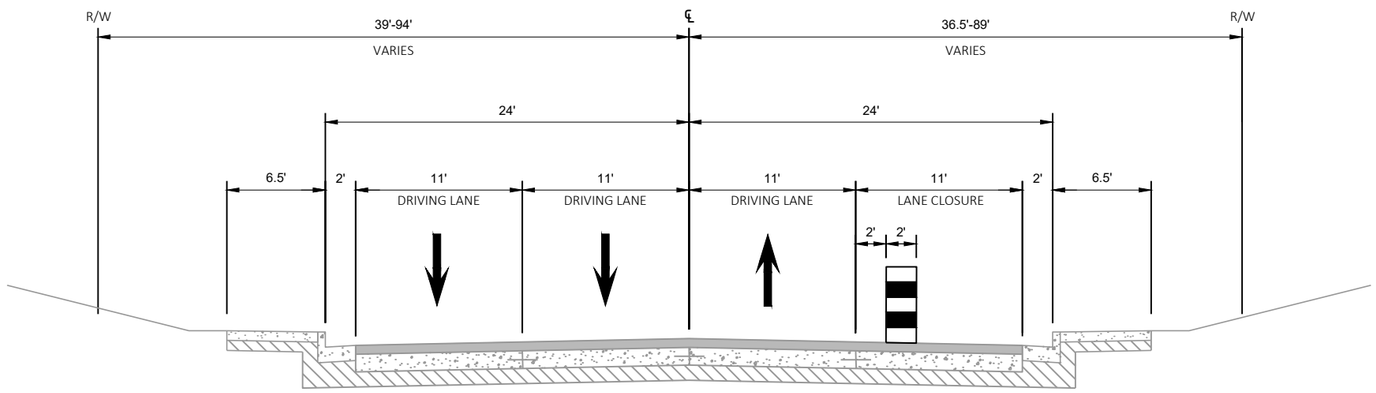
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STAGE 1

E. ADAMS ST TO SOUTH OF SPRINGBROOK CREEK
NORTH OF SPRINGBROOK CREEK TO PILGRIM DR

NO CONSTRUCTION ACTIVITY



STAGE 1

OVER SPRINGBROOK CREEK

NO CONSTRUCTION ACTIVITY

PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	TRAFFIC CONTROL: TYPICAL SECTIONS	SHEET 467	E

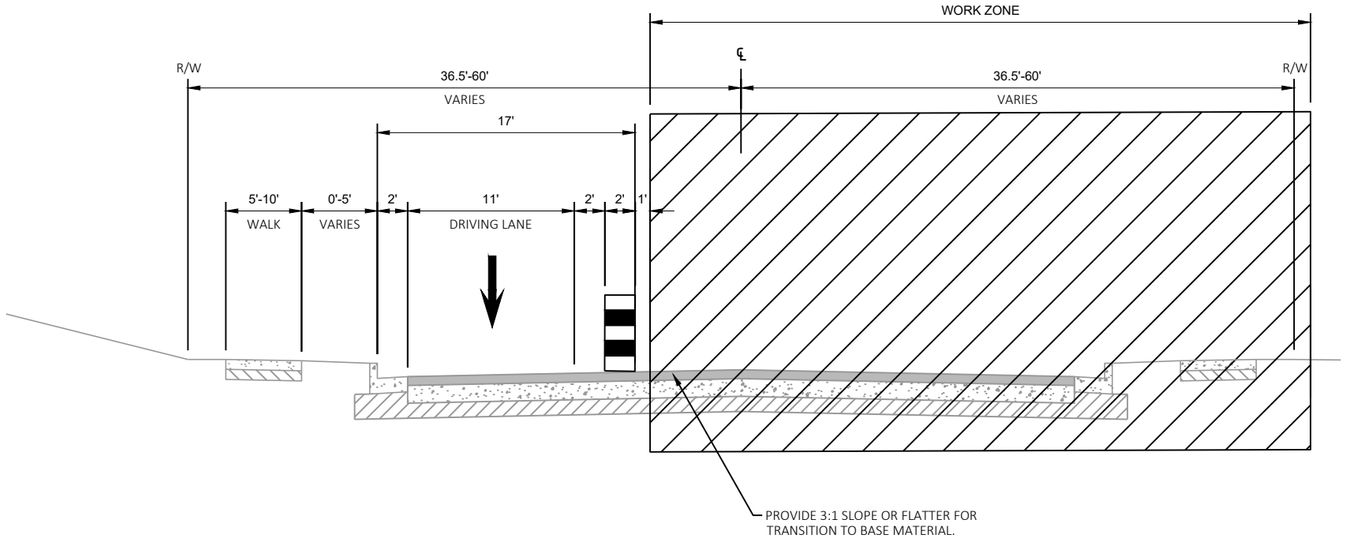
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PLOT DATE : 2/11/2026 3:00 PM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42

2

STAGE 1

PILGRIM DR TO CTH A

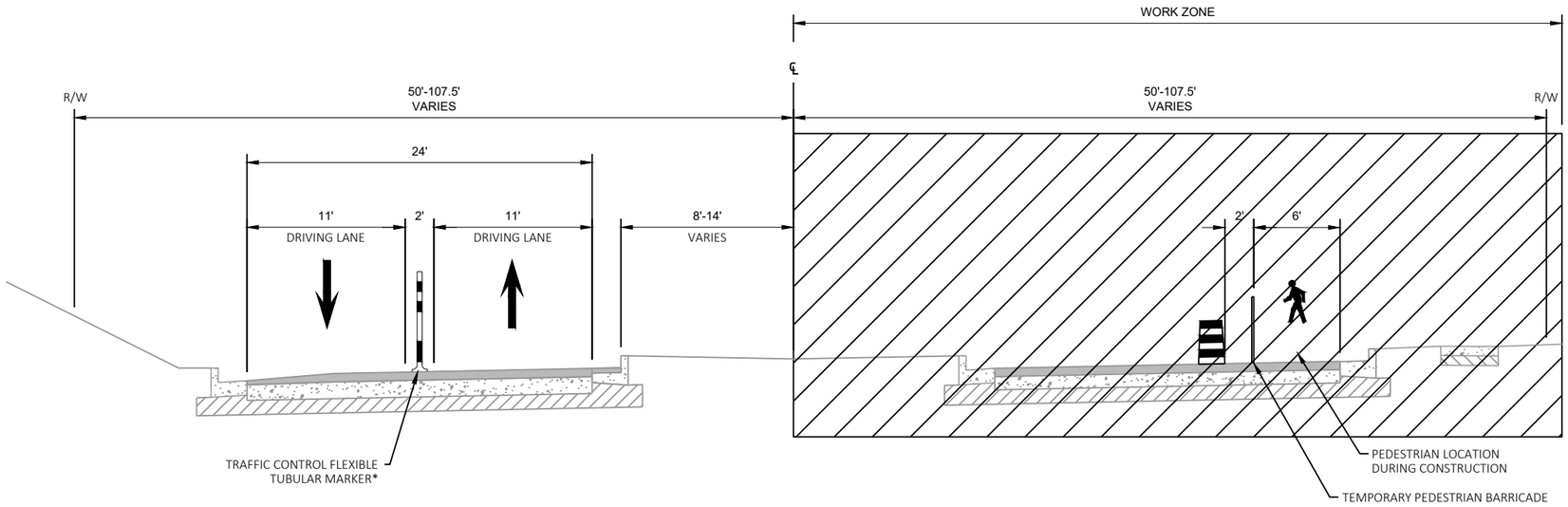
CONSTRUCTING NB TRAVEL LANES AND TWLTL



STAGE 1

CTH A TO STH 13

CONSTRUCTING NB TRAVEL LANES AND PARTIAL CENTER MEDIAN



* TRAFFIC CONTROL FLEXIBLE TUBULAR MARKERS TO BE PLACED AT LOCATIONS SHOWN IN PLANS OR AS DIRECTED BY ENGINEER. YELLOW CENTERLINE MARKINGS SHALL BE SPACED IN CASE TUBULAR MARKERS ARE TO BE INSTALLED.

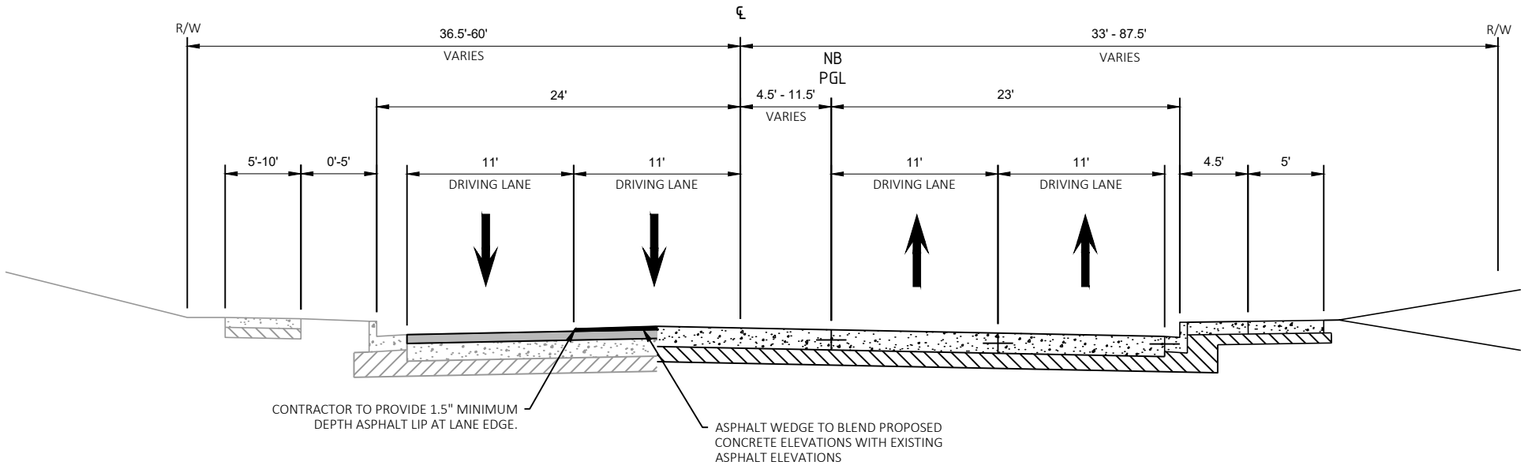
PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	TRAFFIC CONTROL: TYPICAL SECTIONS	SHEET 468	E

2

POST STAGE 1

PILGRIM DR TO CTH A (FILL)

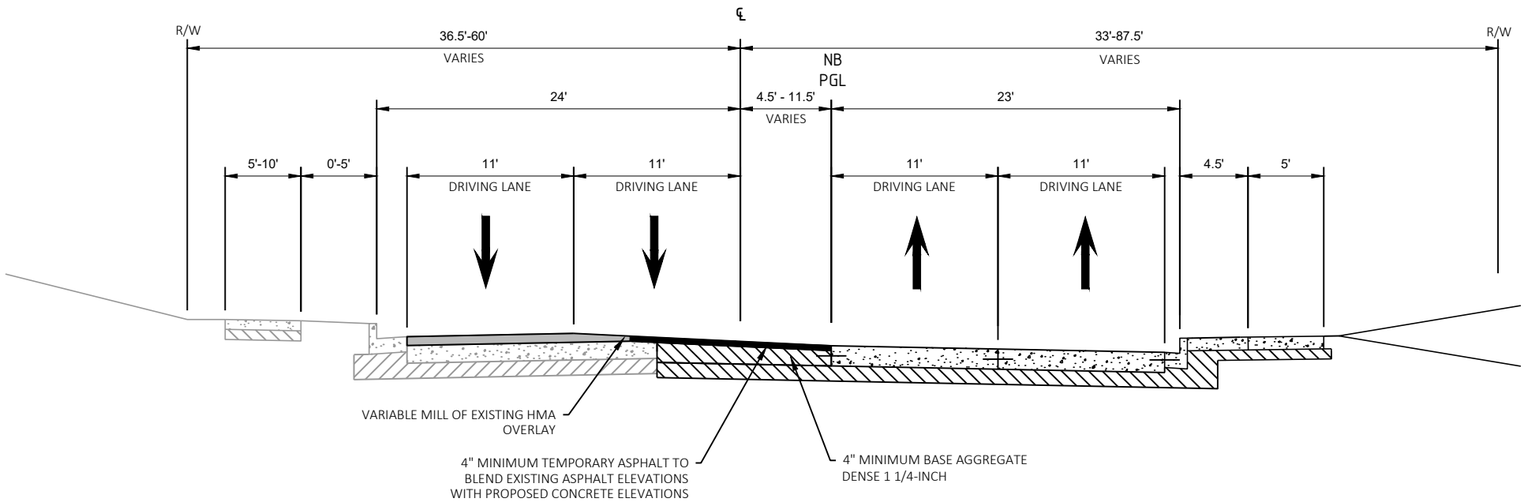
DAYTIME



POST STAGE 1

PILGRIM DR TO CTH A (CUT)

DAYTIME



PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	TRAFFIC CONTROL: TYPICAL SECTIONS	SHEET 469	E

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WISDOT/CADDS SHEET 42

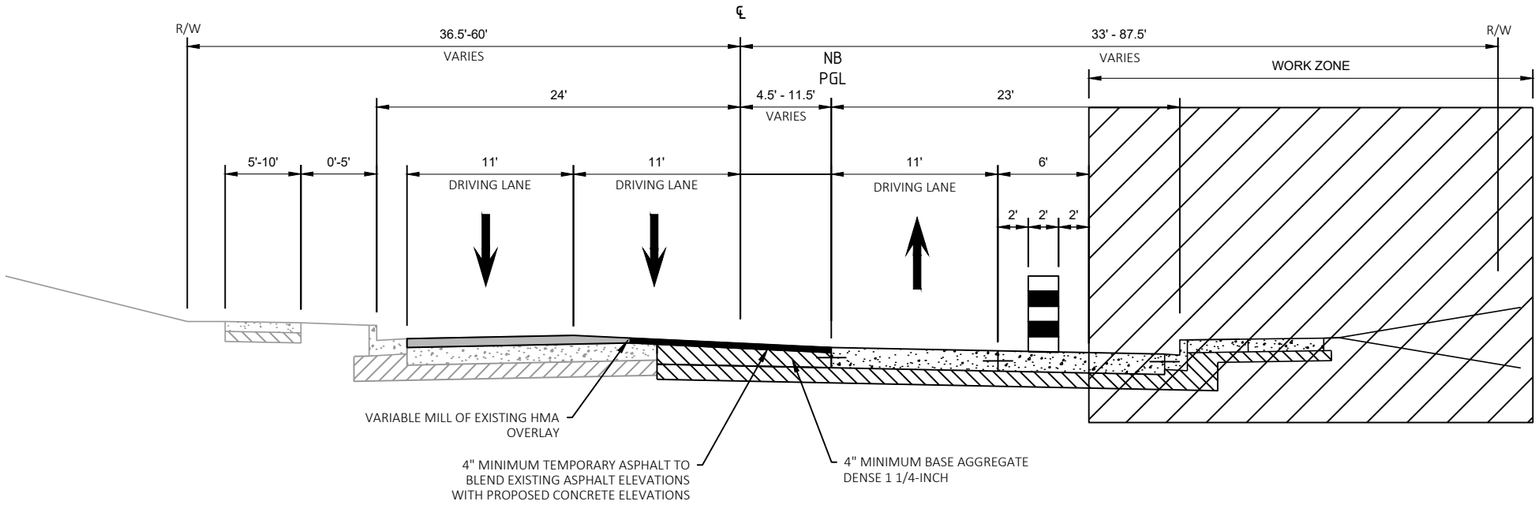
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POST STAGE 1

PILGRIM DR TO CTH A

NIGHT WORK

TEMPORARY LANE CLOSURES FOR STREET LIGHTING AND CONCRETE TERRACES

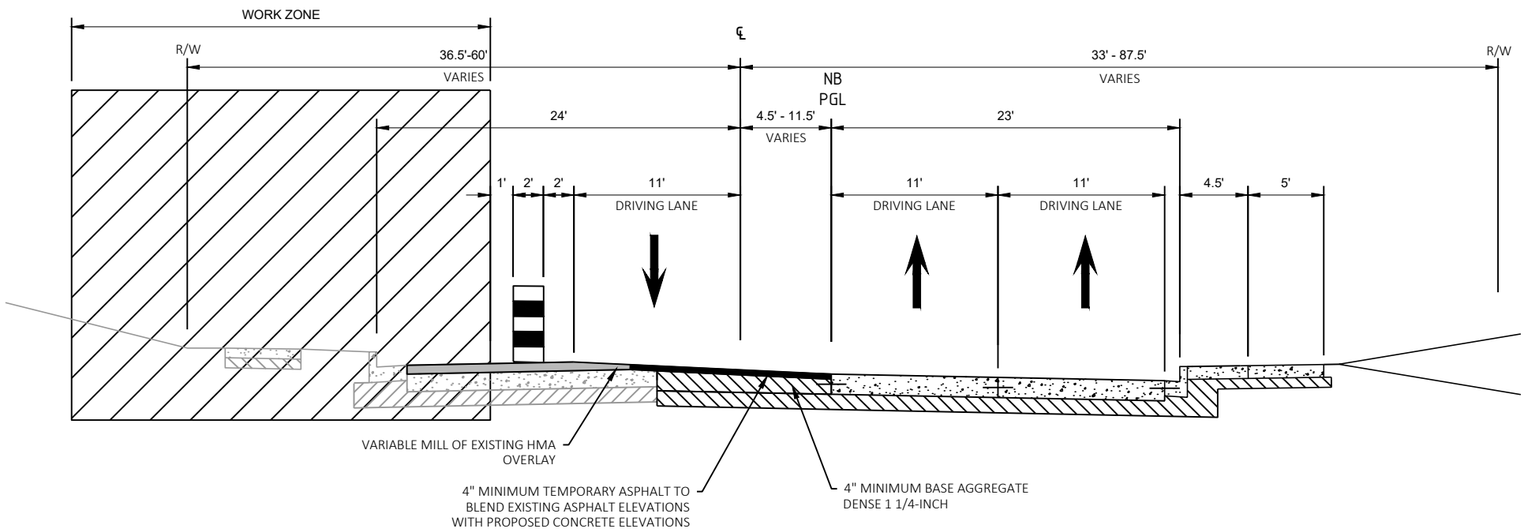


POST STAGE 1

PILGRIM DR TO CTH A

NIGHT WORK

TEMPORARY LANE CLOSURES FOR RETAINING WALL CONSTRUCTION



PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	TRAFFIC CONTROL: TYPICAL SECTIONS	SHEET 470	E

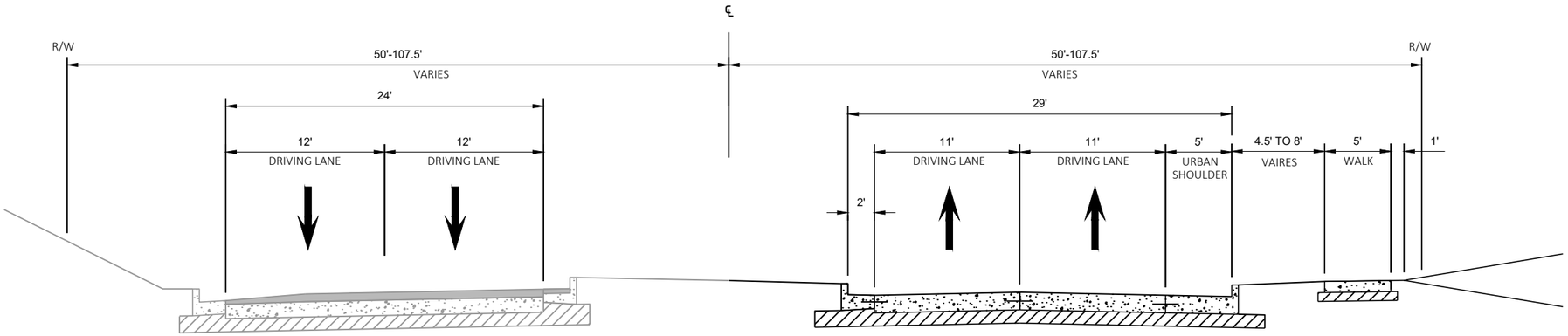
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2

POST STAGE 1

CTH A TO STH 13

DAYTIME

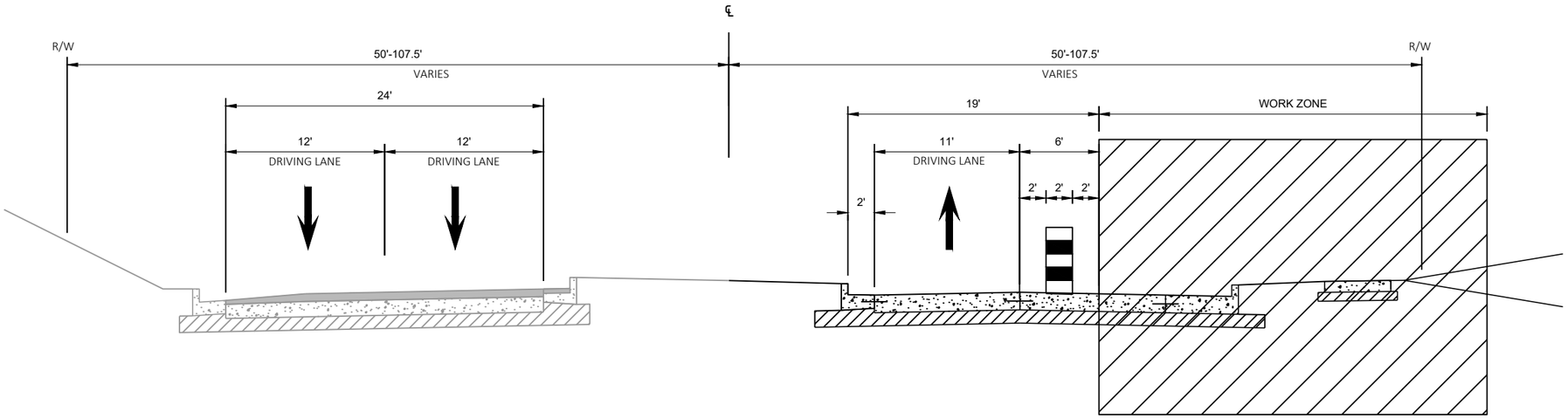


POST STAGE 1

CTH A TO STH 13

NIGHT WORK

TEMPORARY LANE CLOSURES FOR STREET LIGHTING



PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	TRAFFIC CONTROL: TYPICAL SECTIONS	SHEET 471	E

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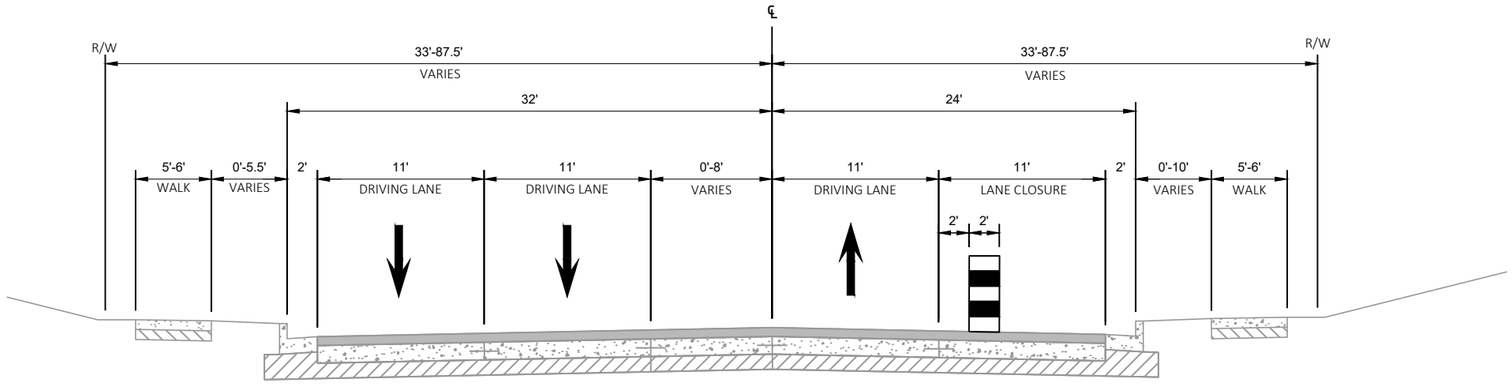
WISDOT/CADDS SHEET 42

2

STAGE 2

E. ADAMS ST TO SHADY LANE

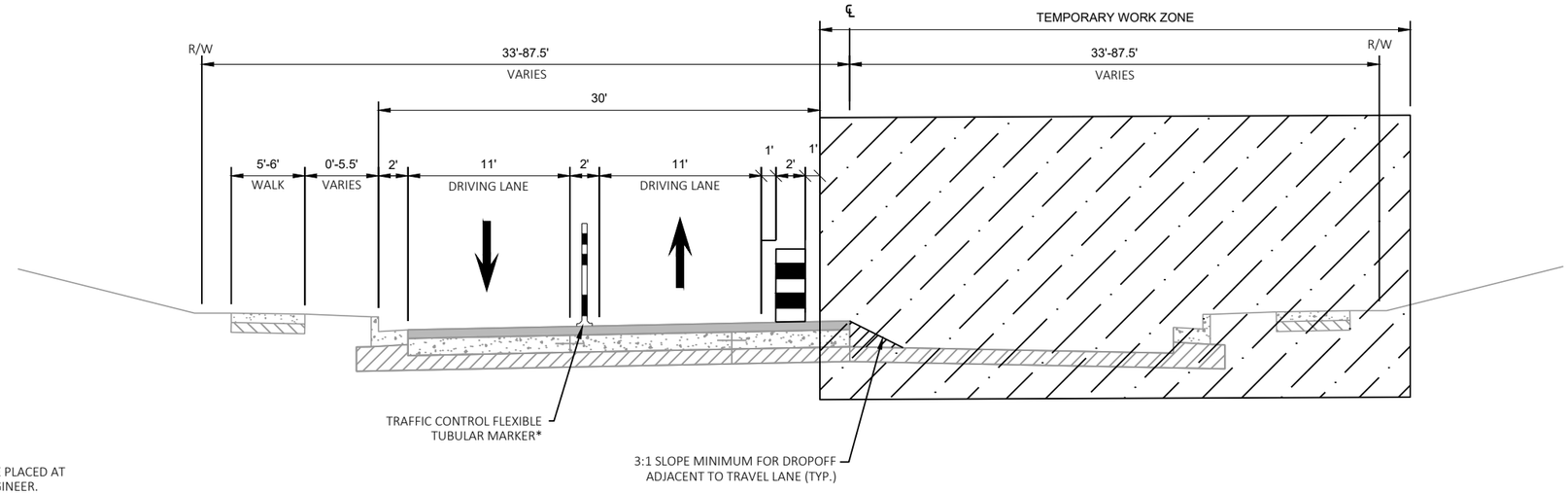
NO CONSTRUCTION ACTIVITY



STAGE 2

SHADY LANE TO PILGRIM DR

TEMPORARY CLOSURES FOR RETAINING WALL, STORM SEWER OR SANITARY WORK IN EXISTING NB LANES



* TRAFFIC CONTROL FLEXIBLE TUBULAR MARKERS TO BE PLACED AT LOCATIONS SHOWN IN PLANS OR AS DIRECTED BY ENGINEER. YELLOW CENTERLINE MARKINGS SHALL BE SPACED IN CASE TUBULAR MARKERS ARE TO BE INSTALLED.

PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	TRAFFIC CONTROL: TYPICAL SECTIONS	SHEET 472	E

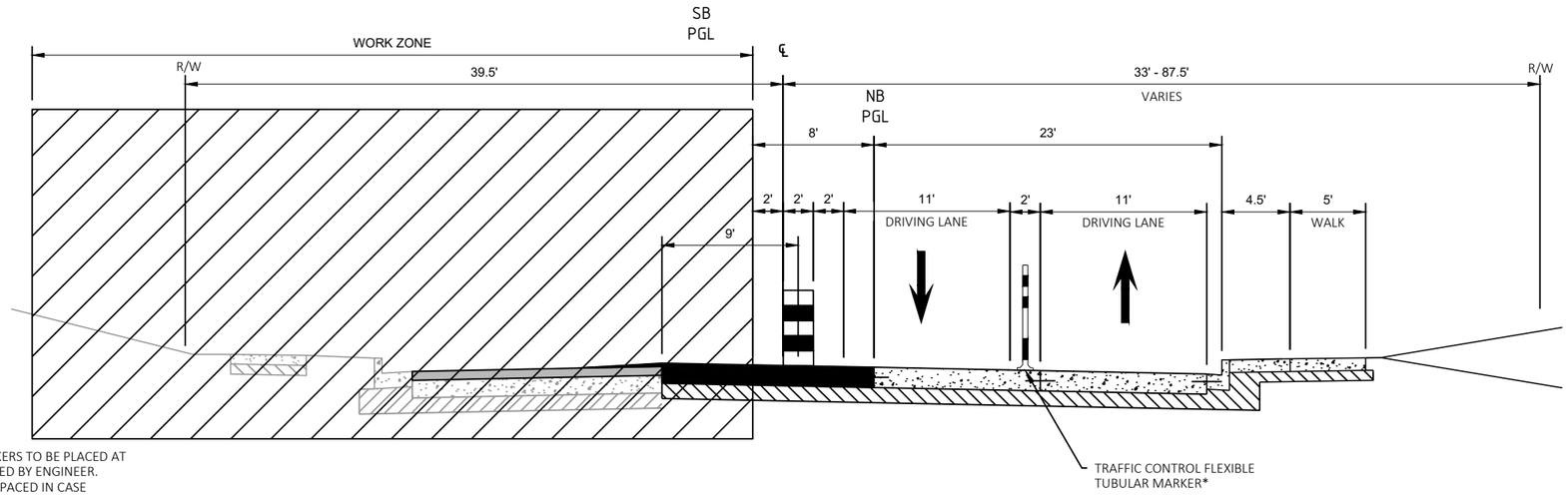
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PLOT DATE : 2/11/2026 3:00 PM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42

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STAGE 2A

PILGRIM DR TO OLYMPUS DR

CONSTRUCT SB TRAVEL LANES AND INTERSECTION OF OLYMPUS DR

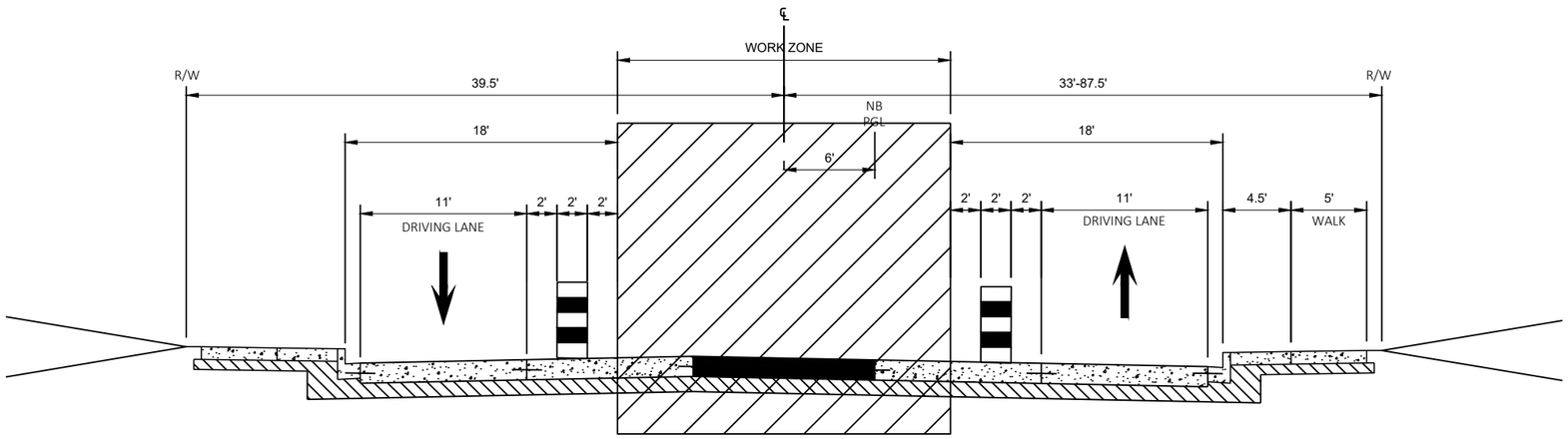


* TRAFFIC CONTROL FLEXIBLE TUBULAR MARKERS TO BE PLACED AT LOCATIONS SHOWN IN PLANS OR AS DIRECTED BY ENGINEER. YELLOW CENTERLINE MARKINGS SHALL BE SPACED IN CASE TUBULAR MARKERS ARE TO BE INSTALLED.

STAGE 2B

PILGRIM DR TO OLYMPUS DR

CONSTRUCT MEDIAN AND NORTHBOUND LEFT TURN LANE



PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	TRAFFIC CONTROL: TYPICAL SECTIONS	SHEET 473	E

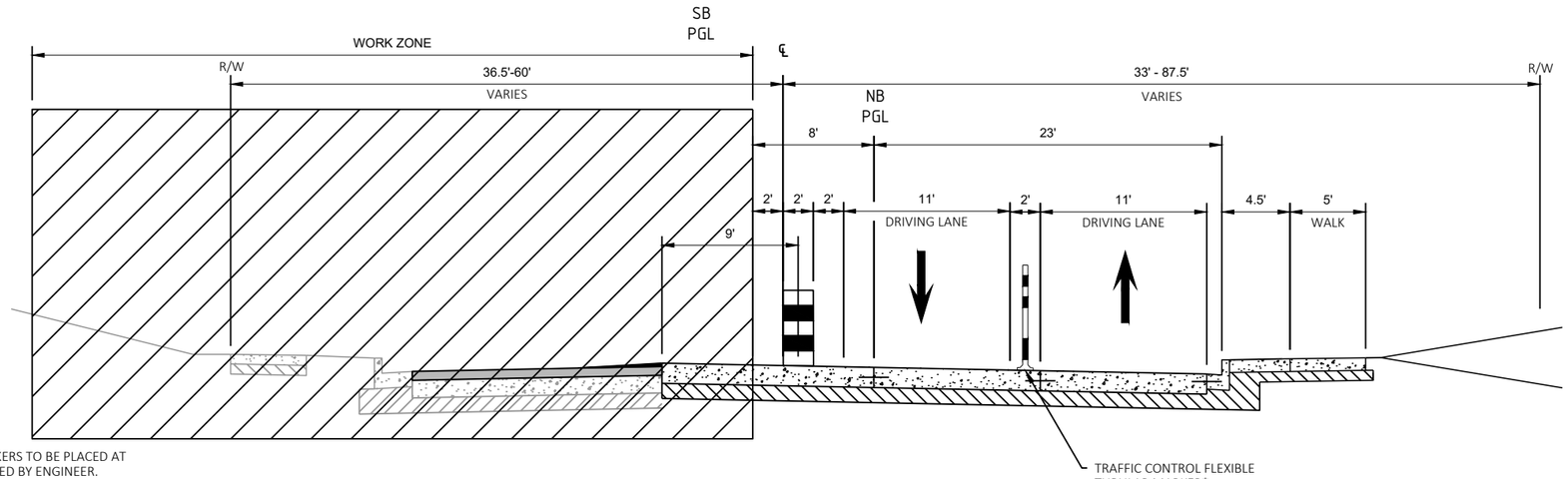
FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\SINGLE LET_ALL IDS\025100_TC_TYPICALS.DWG
LAYOUT NAME - 025107_tc
PLOT DATE : 2/11/2026 3:00 PM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42

2

STAGE 2

OLYMPUS DR TO CTH A

CONSTRUCT SB TRAVEL LANES

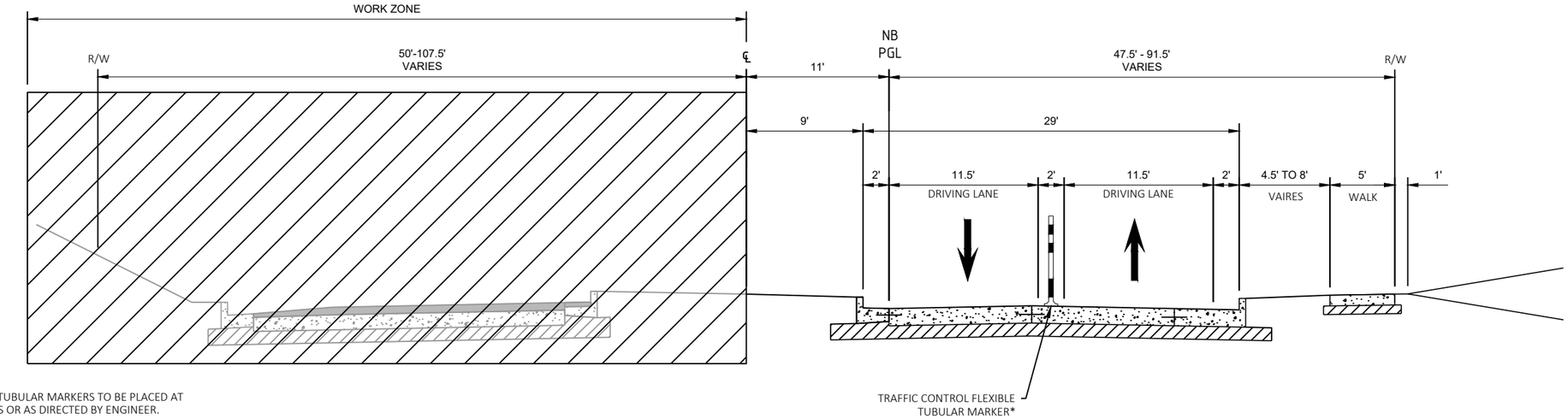


* TRAFFIC CONTROL FLEXIBLE TUBULAR MARKERS TO BE PLACED AT LOCATIONS SHOWN IN PLANS OR AS DIRECTED BY ENGINEER. YELLOW CENTERLINE MARKINGS SHALL BE SPACED IN CASE TUBULAR MARKERS ARE TO BE INSTALLED.

STAGE 2

CTH A TO STH 13

CONSTRUCT SB TRAVEL LANES



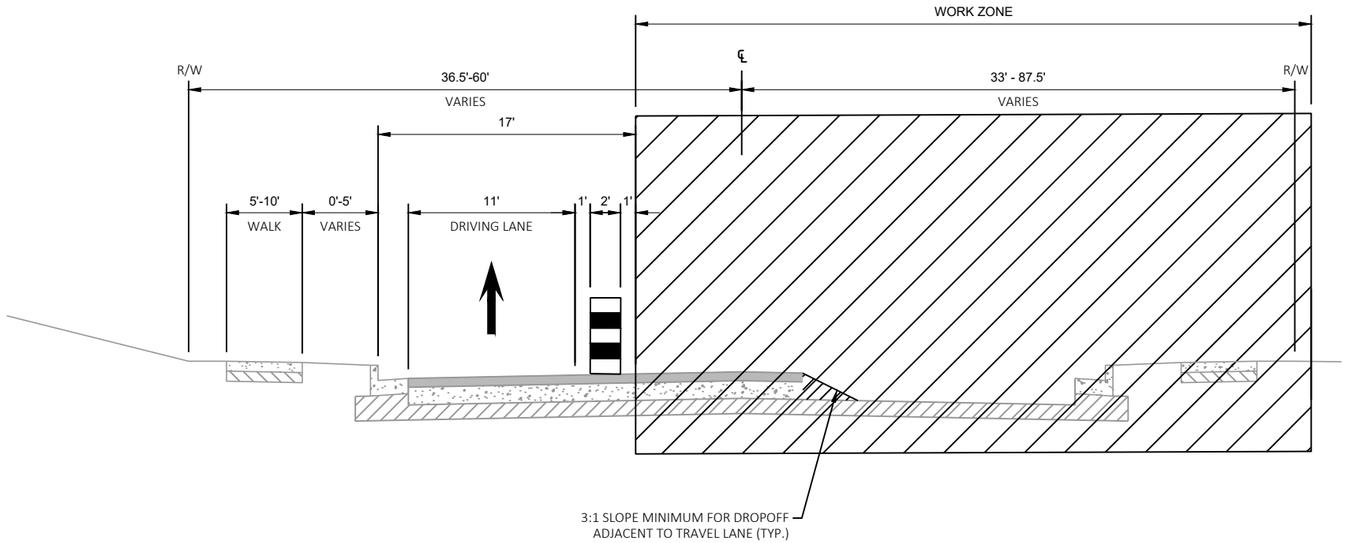
* TRAFFIC CONTROL FLEXIBLE TUBULAR MARKERS TO BE PLACED AT LOCATIONS SHOWN IN PLANS OR AS DIRECTED BY ENGINEER. YELLOW CENTERLINE MARKINGS SHALL BE SPACED IN CASE TUBULAR MARKERS ARE TO BE INSTALLED.

2

STAGE 3

E ADAMS ST TO PILGRIM RD

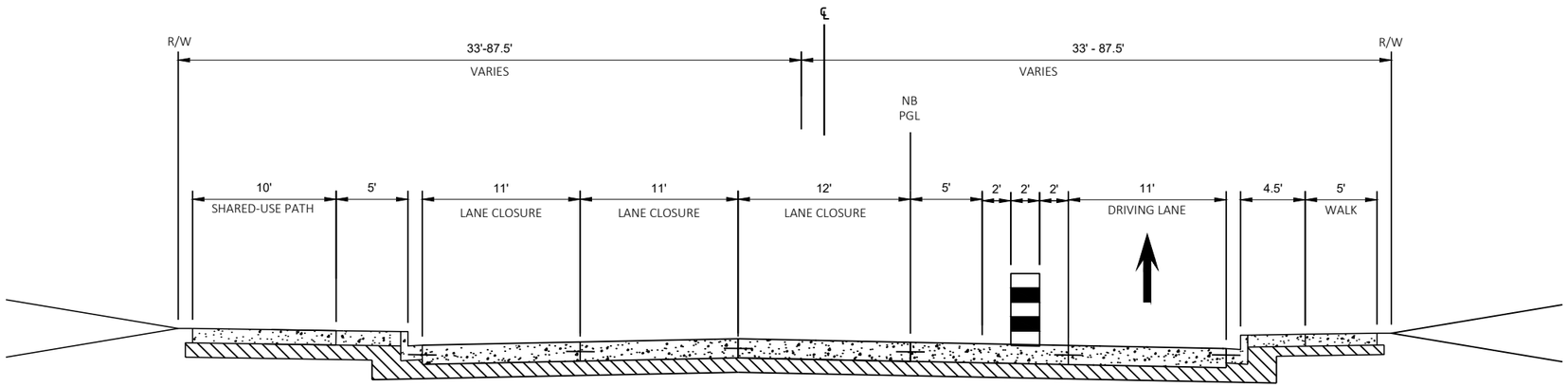
CONSTRUCTING NB TRAVEL LANES & TWLTL



STAGE 3

PILGRIM RD TO OLYMPUS DR

LANE CLOSURES FOR TRAFFIC SHIFT



PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	TRAFFIC CONTROL: TYPICAL SECTIONS	SHEET 475	E

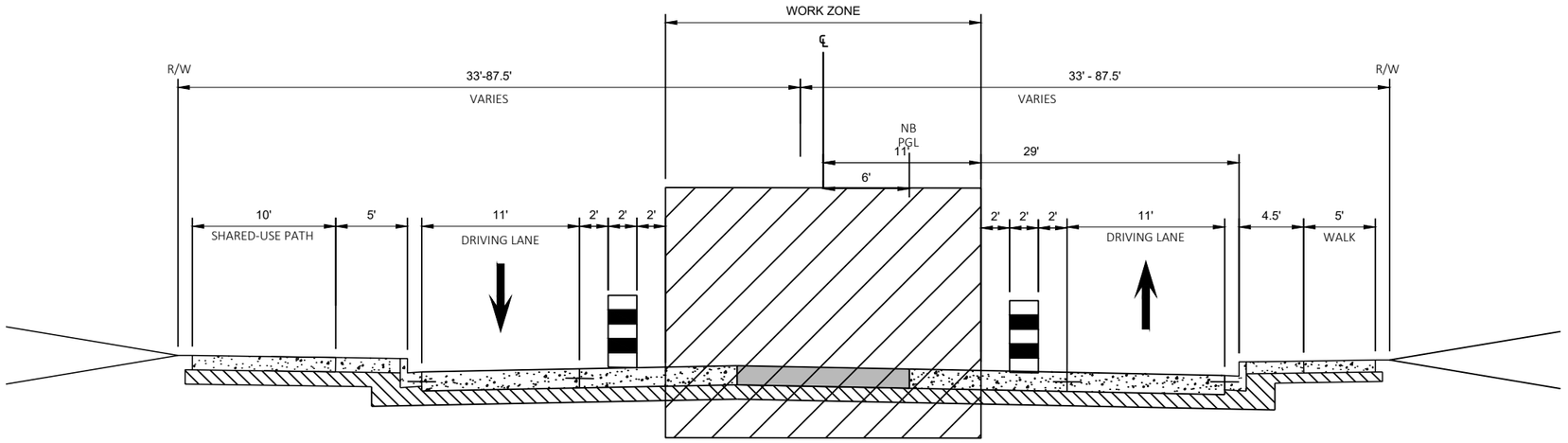
FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\SINGLE LET_ALL IDS\025100_TC_TYPICALS.DWG
LAYOUT NAME - 025109_tc
PLOT DATE : 2/11/2026 3:00 PM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42

2

STAGE 3

OLYMPUS DR TO CTH A
(BEFORE INTERIM COMPLETION DATE)

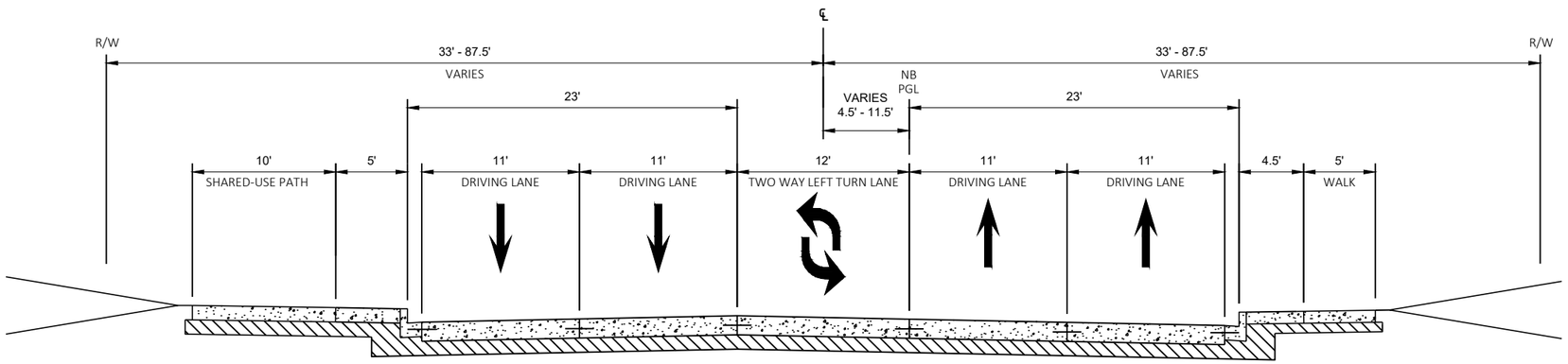
CONSTRUCTING TWLTL



STAGE 3

OLYMPUS DR TO CTH A
(AFTER INTERIM COMPLETION DATE)

NO CONSTRUCTION ACTIVITY



PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	TRAFFIC CONTROL: TYPICAL SECTIONS	SHEET 476	E

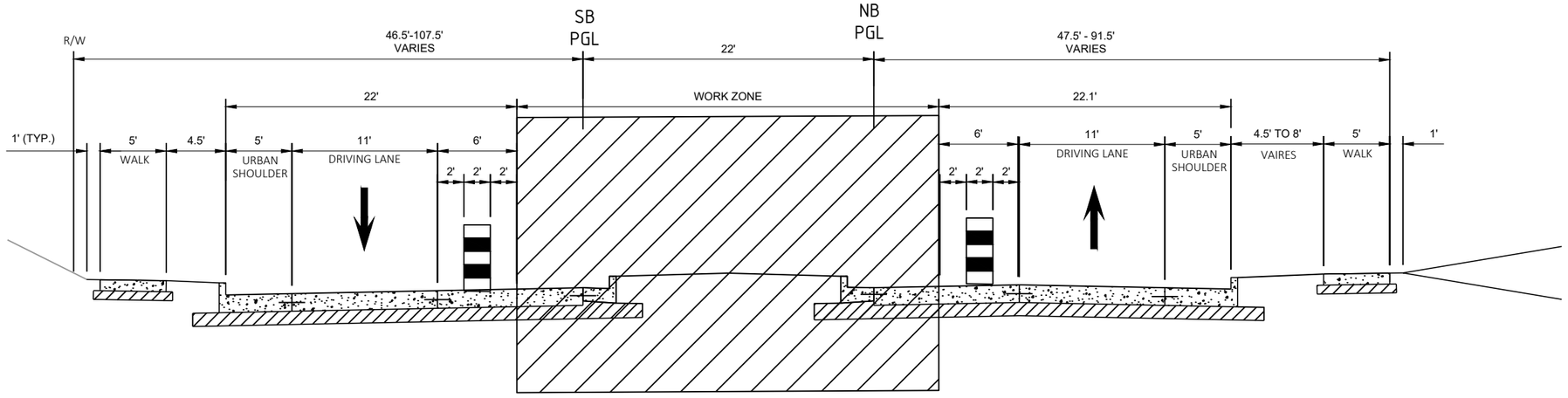
FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\SINGLE LET_ALL IDS\025100_TC_TYPICALS.DWG
LAYOUT NAME - 025110_tc
PLOT DATE : 2/11/2026 3:01 PM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42

2

STAGE 3

CTH A TO STH 13
(BEFORE INTERIM COMPLETION DATE)

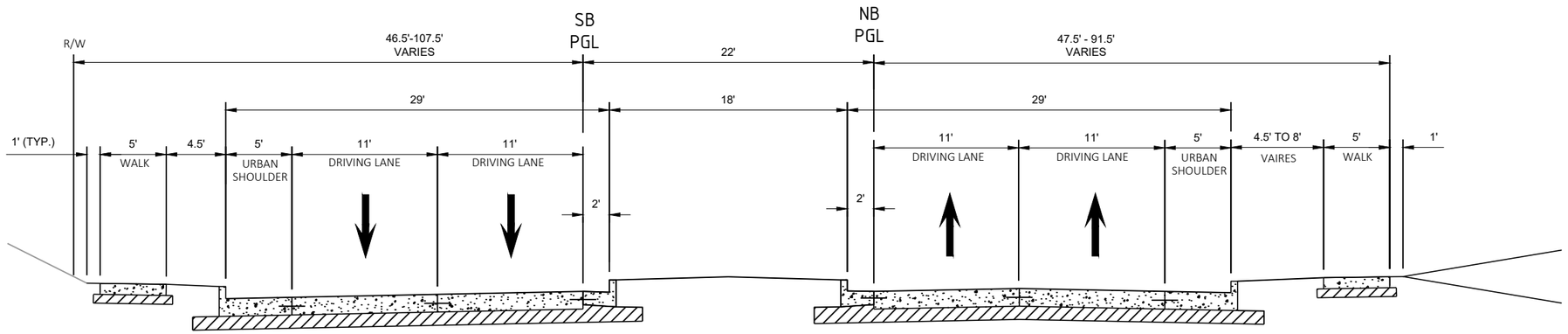
CONSTRUCTING MEDIAN AT SPECIFIC LOCATIONS



STAGE 3

CTH A TO STH 13
(AFTER INTERIM COMPLETION DATE)

NO CONSTRUCTION ACTIVITY



PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	TRAFFIC CONTROL: TYPICAL SECTIONS	SHEET 477	E

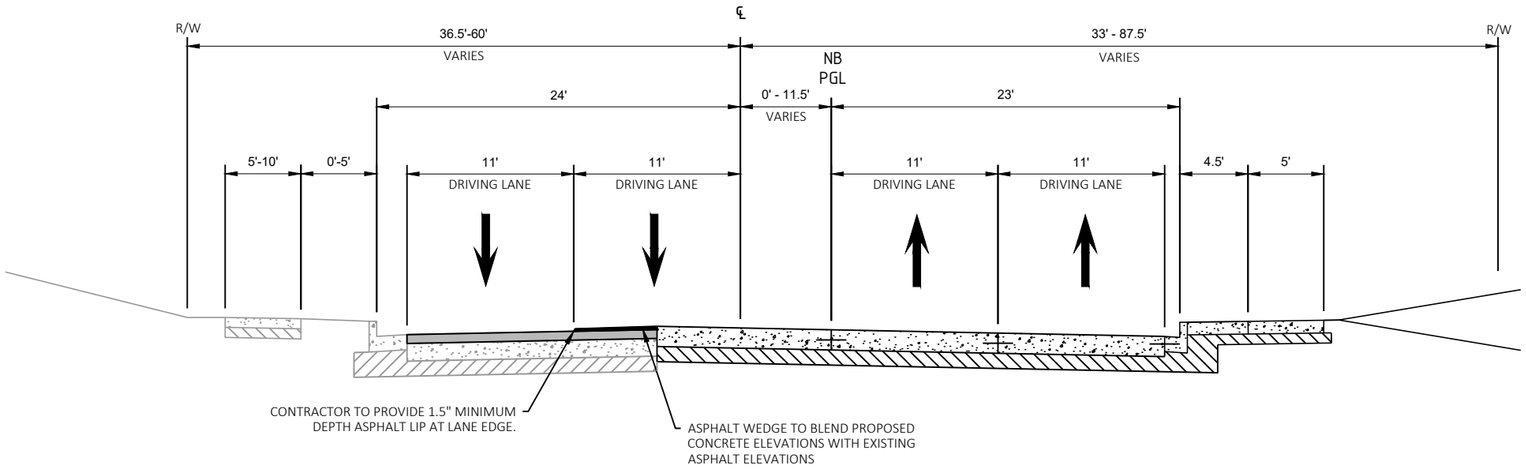
FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\SINGLE LET_ALL IDS\025100_TC_TYPICALS.DWG
LAYOUT NAME - 025111_tc
PLOT DATE : 2/11/2026 3:01 PM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42

2

POST STAGE 3

E ADAMS ST TO PILGRIM DR (FILL)

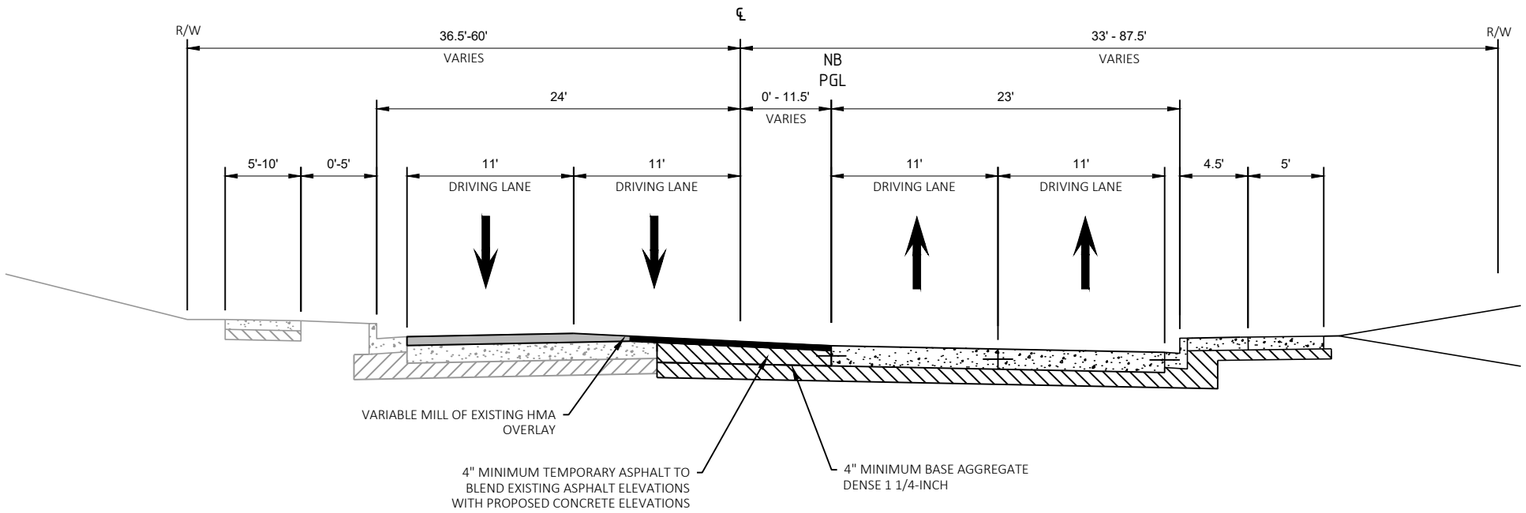
DAYTIME



POST STAGE 3

E ADAMS ST TO PILGRIM DR(CUT)

DAYTIME



PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	TRAFFIC CONTROL: TYPICAL SECTIONS	SHEET 478	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\SINGLE LET_ALL IDS\025100_TC_TYPICALS.DWG
LAYOUT NAME - 025112_tc
PLOT DATE : 2/11/2026 3:01 PM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42

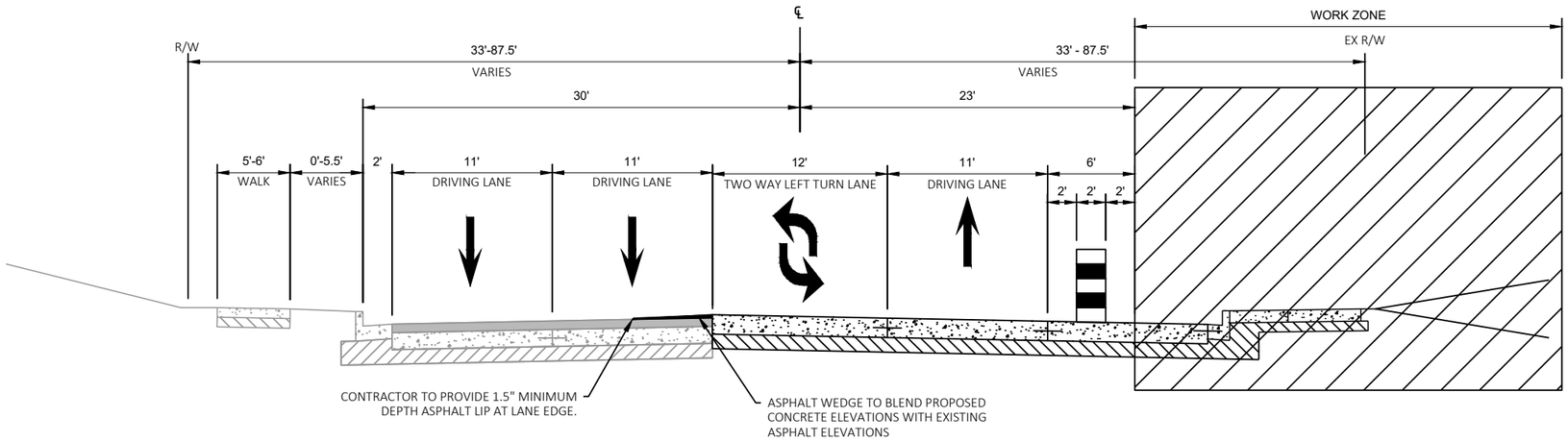
2

POST STAGE 3

E. ADAMS ST TO SOUTH OF SPRINGBROOK CREEK
NORTH OF SPRINGBROOK CREEK TO OLYMPUS DR

NIGHT WORK

TEMPORARY LANE CLOSURES FOR STREET LIGHTING AND CONCRETE TERRACES.

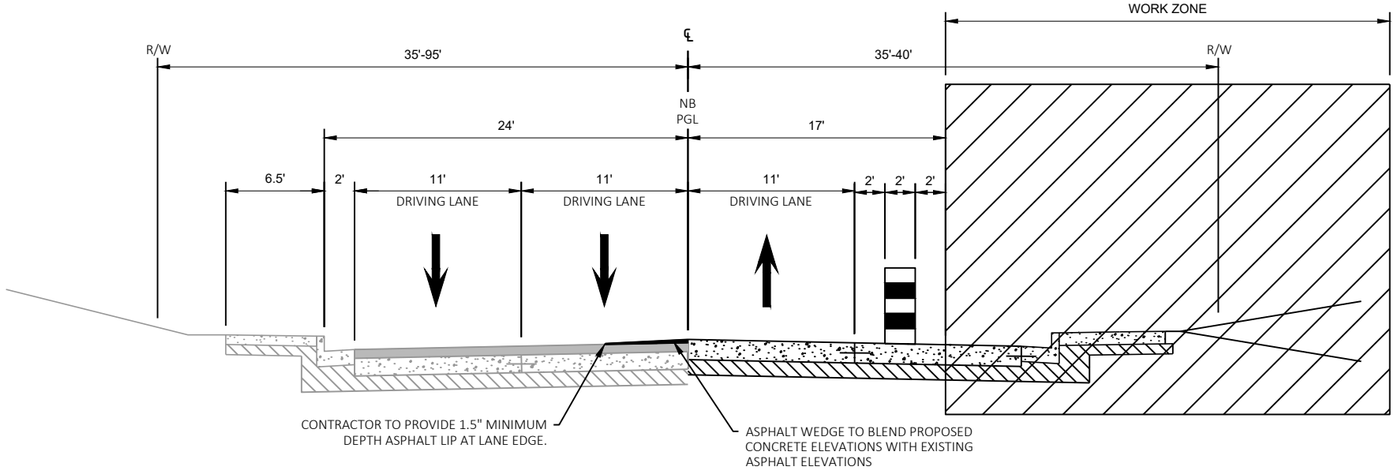


POST STAGE 3

OVER SPRINGBROOK CREEK

NIGHT WORK

TEMPORARY LANE CLOSURES FOR STREET LIGHTING AND CONCRETE TERRACES.



PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	TRAFFIC CONTROL: TYPICAL SECTIONS	SHEET 479	E

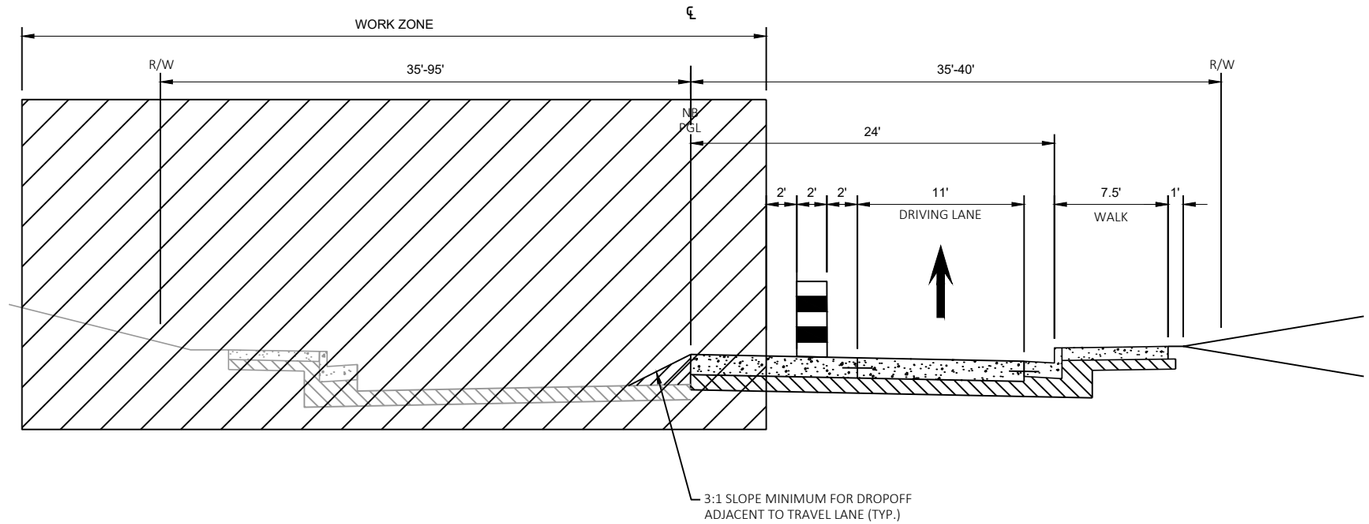
FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\SINGLE LET_ALL IDS\025100_TC_TYPICALS.DWG
LAYOUT NAME - 025113_tc
PLOT DATE : 2/11/2026 3:01 PM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42

2

STAGE 4

E. ADAMS ST TO NEWSOM RD

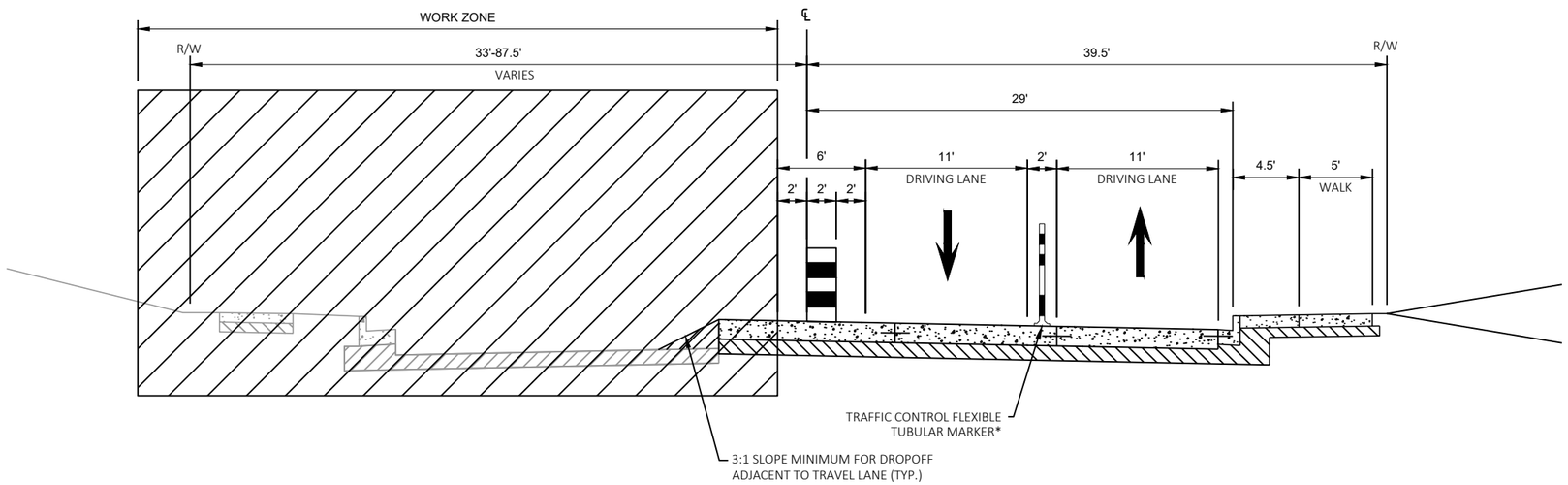
CONSTRUCT SB TRAVEL LANES



STAGE 4

NEWSOM RD TO OLYMPUS DR

CONSTRUCT SB TRAVEL LANES



* TRAFFIC CONTROL FLEXIBLE TUBULAR MARKERS TO BE PLACED AT LOCATIONS SHOWN IN PLANS OR AS DIRECTED BY ENGINEER. YELLOW CENTERLINE MARKINGS SHALL BE SPACED IN CASE TUBULAR MARKERS ARE TO BE INSTALLED.

PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	TRAFFIC CONTROL: TYPICAL SECTIONS	SHEET 480	E

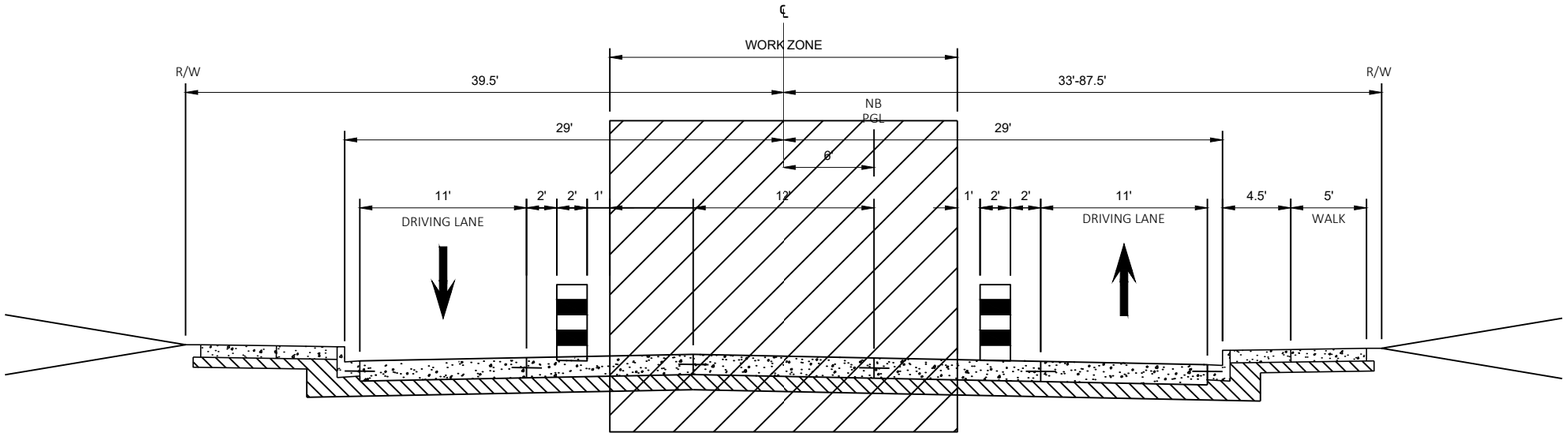
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LAYOUT NAME - 025114_tc
PLOT DATE : 2/11/2026 3:01 PM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42

2

STAGE 5

SPRINGBROOK CREEK TO PILGRIM DR

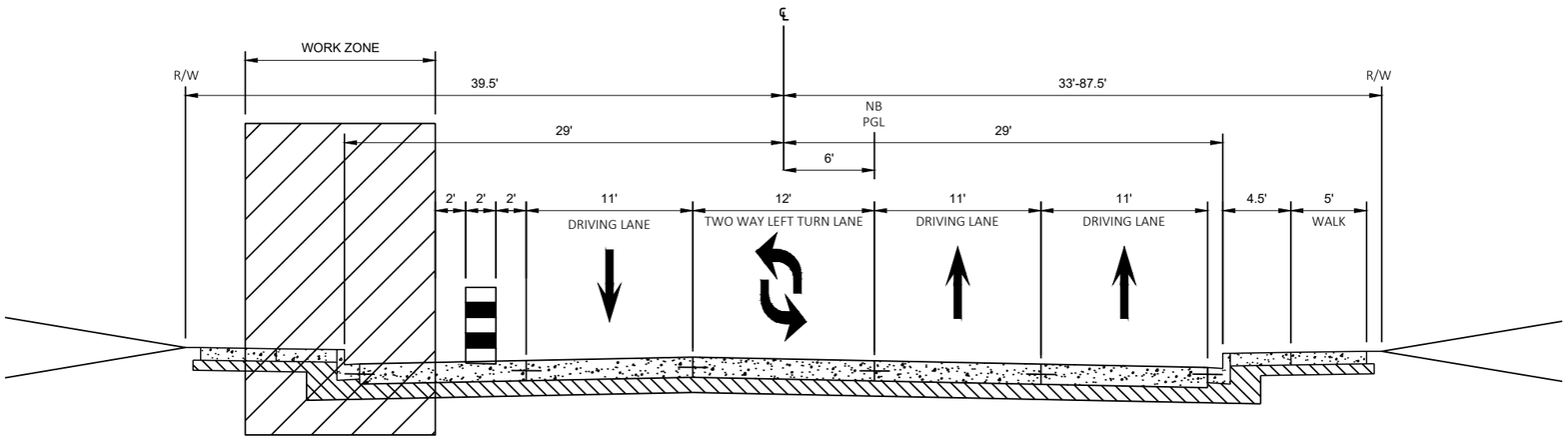
CONSTRUCT REMAINING TWLTL



STAGE 6

SPRINGBROOK CREEK TO PILGRIM DR

STREET LIGHTING, CONCRETE TERRACES AND FINISHING ITEMS



PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	TRAFFIC CONTROL: TYPICAL SECTIONS	SHEET 481	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\SINGLE LET_ALL IDS\025100_TC_TYPICALS.DWG
LAYOUT NAME - 025115_tc
PLOT DATE : 2/11/2026 3:01 PM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42

2

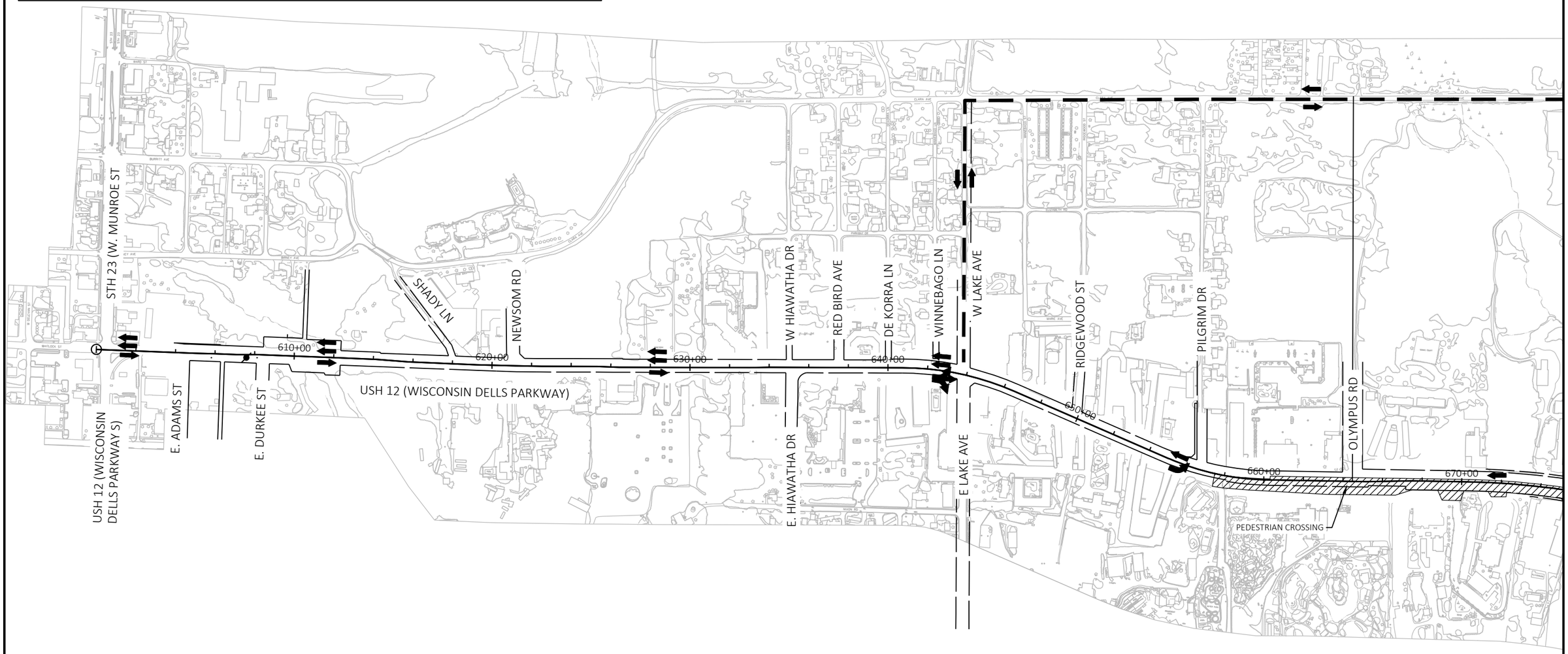
STAGE 1:

PILGRIM DR TO STH 13 - CONTRACTOR TO RECONSTRUCT NORTHBOUND LANES & TWLTL

STAGE 1 RETAINING WALLS TO INCLUDE: R-56-0043, R-56-0044, R-56-0048 & S-56-0031

CARRYOVER INTO POST-STAGE 1 (NIGHT WORK):

STREET LIGHTING BASES AND CONDUIT, CONCRETE TERRACES & RETAINING WALL R-56-0045



LEGEND

DIRECTION OF TRAVEL

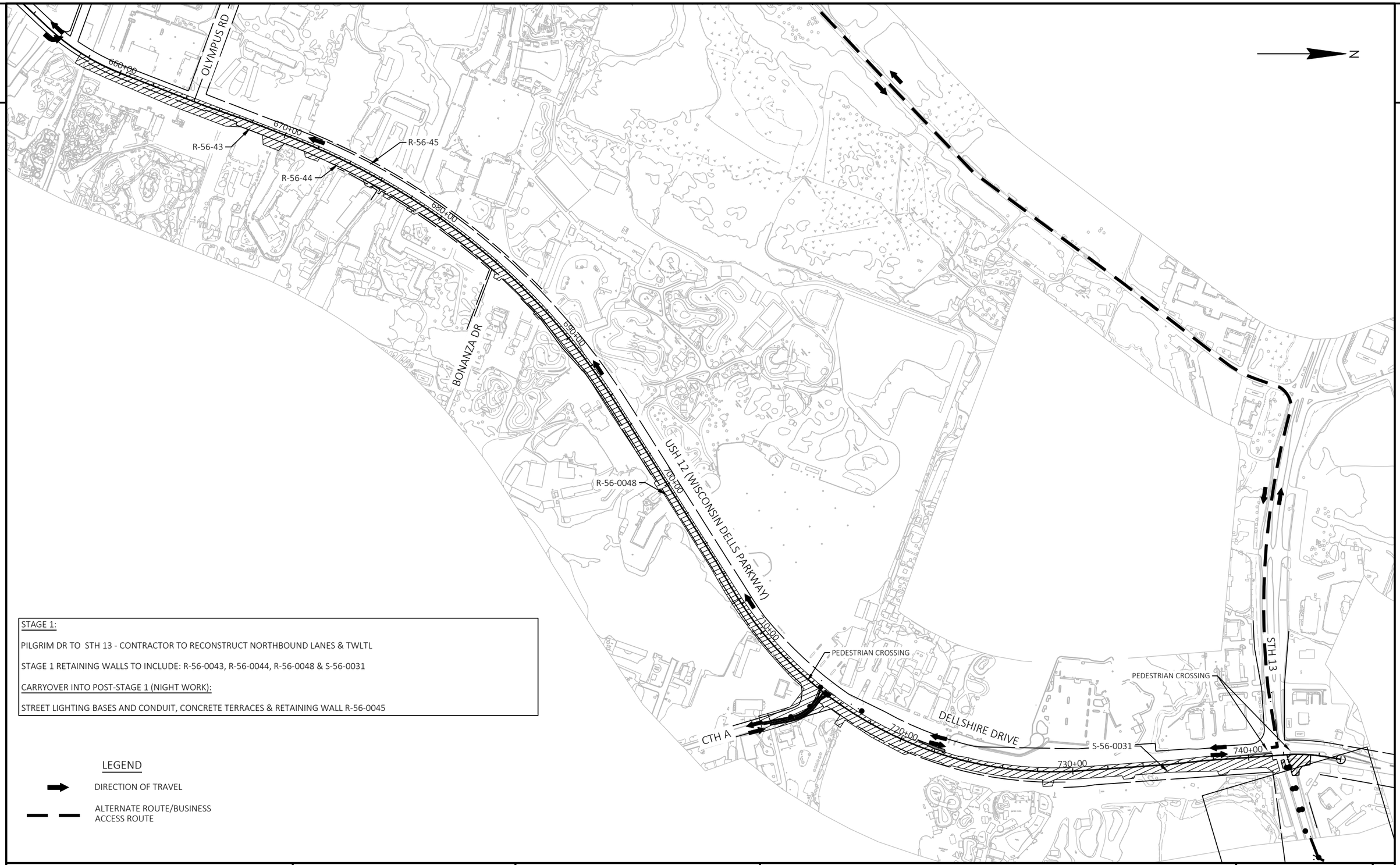
ALTERNATE ROUTE/BUSINESS ACCESS ROUTE

PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	TRAFFIC CONTROL OVERVIEW - STAGE 1	SHEET 482	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\SINGLE LET_ALL IDS\025100_TC_OVERVIEW_S1.DWG
LAYOUT NAME - South

PLOT DATE : 2/11/2026 3:01 PM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:500 FT

WISDOT/CADDS SHEET 42



STAGE 1:

PILGRIM DR TO STH 13 - CONTRACTOR TO RECONSTRUCT NORTHBOUND LANES & TWLTL

STAGE 1 RETAINING WALLS TO INCLUDE: R-56-0043, R-56-0044, R-56-0048 & S-56-0031

CARRYOVER INTO POST-STAGE 1 (NIGHT WORK):

STREET LIGHTING BASES AND CONDUIT, CONCRETE TERRACES & RETAINING WALL R-56-0045

LEGEND

DIRECTION OF TRAVEL

ALTERNATE ROUTE/BUSINESS ACCESS ROUTE

PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	TRAFFIC CONTROL OVERVIEW - STAGE 1	SHEET 483	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\SINGLE LET_ALL IDS\025100_TC_OVERVIEW_S1.DWG
LAYOUT NAME - North

PLOT DATE : 2/11/2026 3:02 PM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:500 FT

WISDOT/CADDS SHEET 42

2

STAGE 2:

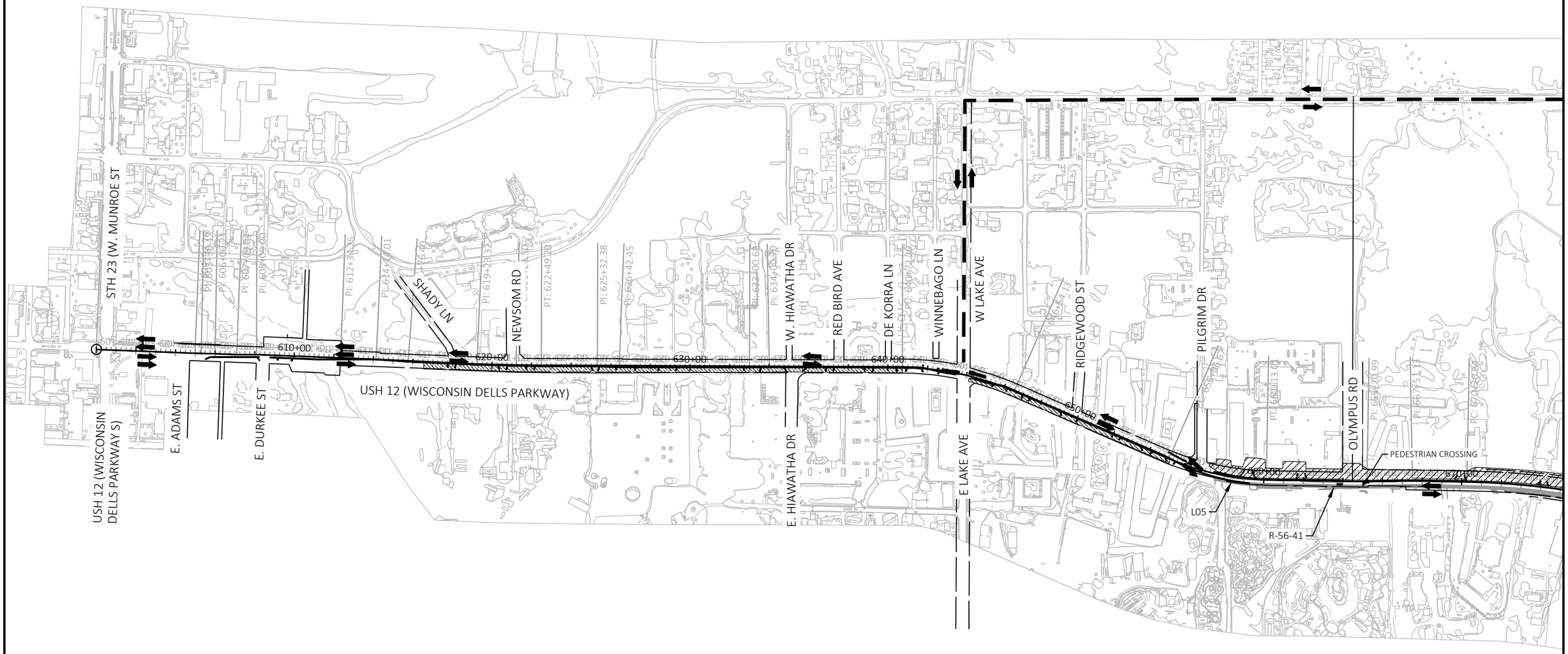
PILGRIM DR TO STH 13 - CONTRACTOR TO RECONSTRUCT SOUTHBOUND LANES
STH 13 & USH 12 INTERSECTION - CONTRACTOR TO RECONSTRUCT WEST APPROACH MEDIAN

STAGE 2 RETAINING WALLS TO INCLUDE: R-56-0045, R-56-0046 & R-56-0047

E ADAMS STREET TO PILGRIM DR- TEMPORARY CLOSURES FOR RETAINING WALL, STORM & SANITARY WORK IN NORTHBOUND LANES

N

2



LEGEND

DIRECTION OF TRAVEL

ALTERNATE ROUTE/BUSINESS ACCESS ROUTE

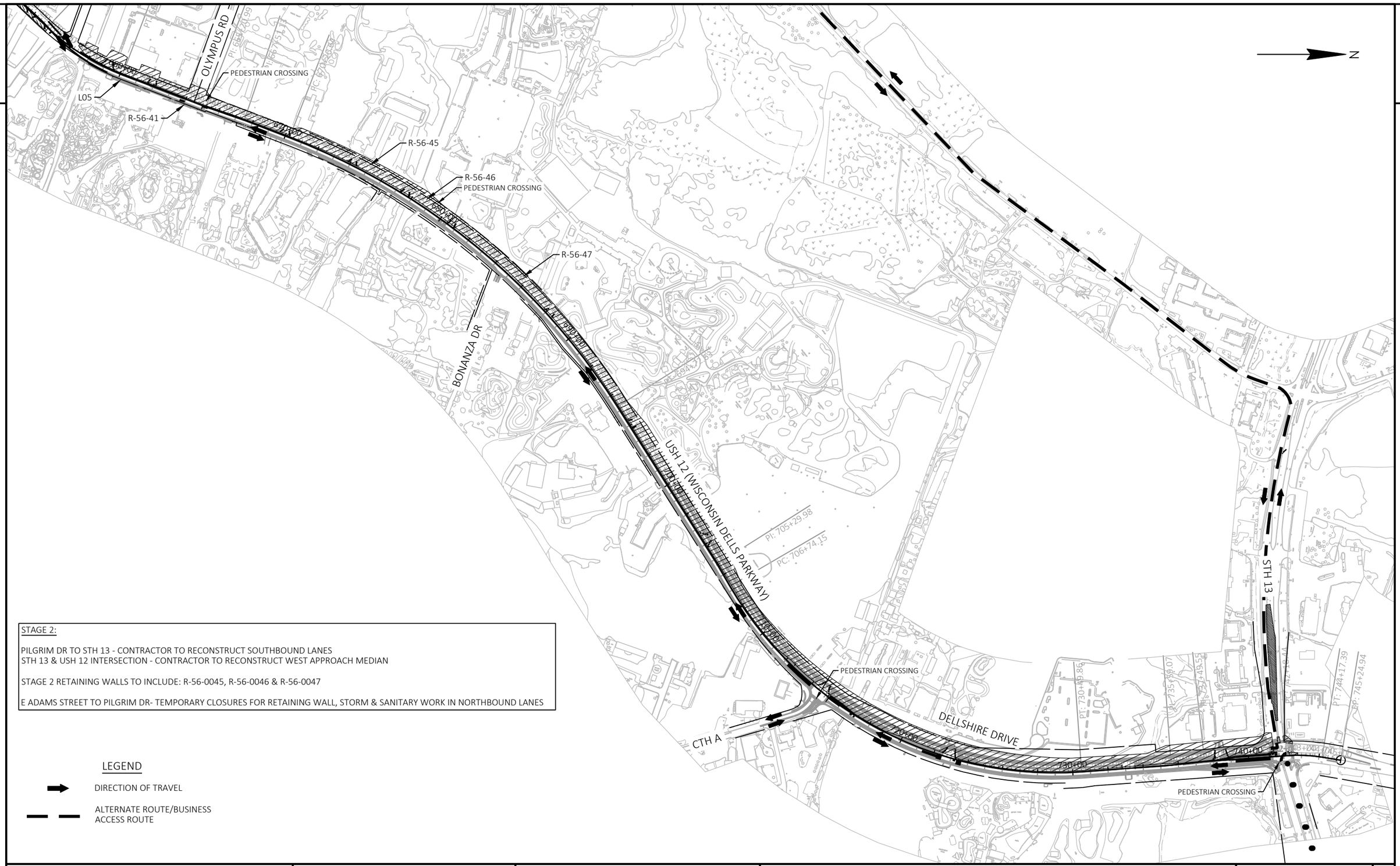
PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	TRAFFIC CONTROL OVERVIEW - STAGE 2	SHEET 484	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\SINGLE LET_ALL IDS\025100_TC_OVERVIEW_S2.DWG
LAYOUT NAME - South

PLOT DATE : 2/11/2026 3:02 PM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:500 FT

WISDOT/CADDS SHEET 42

2



STAGE 2:

PILGRIM DR TO STH 13 - CONTRACTOR TO RECONSTRUCT SOUTHBOUND LANES
STH 13 & USH 12 INTERSECTION - CONTRACTOR TO RECONSTRUCT WEST APPROACH MEDIAN

STAGE 2 RETAINING WALLS TO INCLUDE: R-56-0045, R-56-0046 & R-56-0047

E ADAMS STREET TO PILGRIM DR- TEMPORARY CLOSURES FOR RETAINING WALL, STORM & SANITARY WORK IN NORTHBOUND LANES

LEGEND

DIRECTION OF TRAVEL

ALTERNATE ROUTE/BUSINESS ACCESS ROUTE

PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	TRAFFIC CONTROL OVERVIEW - STAGE 2	SHEET 485	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\SINGLE LET_ALL IDS\025100_TC_OVERVIEW_S2.DWG
LAYOUT NAME - North
PLOT DATE : 2/11/2026 3:02 PM
PLOT BY : CHAPMAN, JULIE
PLOT NAME :
PLOT SCALE : 1 IN:500 FT
WISDOT/CADDS SHEET 42

2

STAGE 3:

E ADAMS ST TO PILGRIM DR - CONTRACTOR TO RECONSTRUCT NORTHBOUND LANES & TWLTL

PILGRIM DR TO STH 13 - CONTRACTOR TO CONSTRUCT SECTIONS OF MEDIAN AND TWLTL

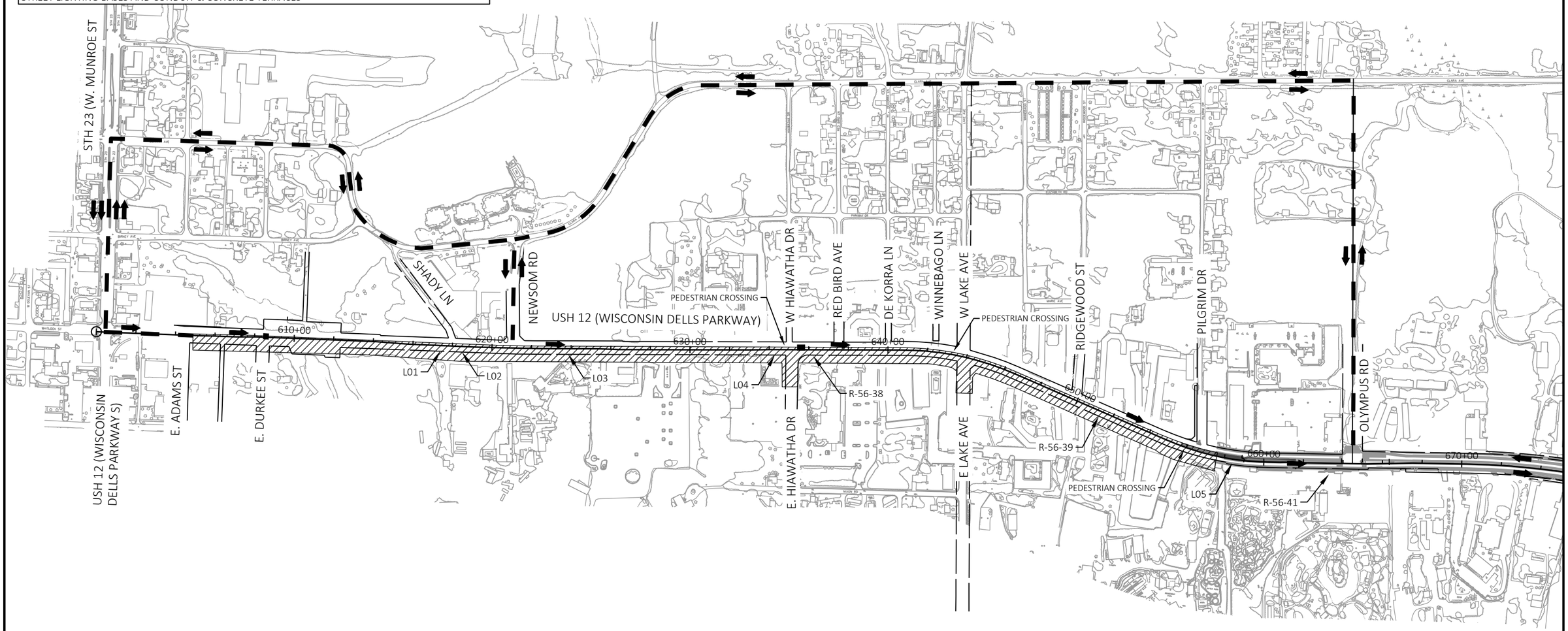
STAGE 3 RETAINING WALLS TO INCLUDE: R-56-0041, R-56-0039, R-56-0038, L05, L04, L03, L02 & L01

CARRYOVER INTO POST-STAGE 3:

STREET LIGHTING BASES AND CONDUIT & CONCRETE TERRACES

N

2



LEGEND

DIRECTION OF TRAVEL

ALTERNATE ROUTE/BUSINESS ACCESS ROUTE

PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	TRAFFIC CONTROL OVERVIEW - STAGE 3	SHEET 486	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\SINGLE LET_ALL IDS\025100_TC_OVERVIEW_S3.DWG
LAYOUT NAME - South

PLOT DATE : 2/11/2026 3:03 PM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:500 FT

WISDOT/CADDS SHEET 42

2

N

OLYMPUS RD

660+00

L05

R-56-0041

670+00

680+00

BONANZA DR

690+00

USH 12 (WISCONSIN DELLS PARKWAY)

700+00

710+00

CTH A

720+00

DELLSHIRE DRIVE

730+00

740+00

STH 13

STAGE 3:

E ADAMS ST TO PILGRIM DR - CONTRACTOR TO RECONSTRUCT NORTHBOUND LANES & TWLTL

PILGRIM DR TO STH 13 - CONTRACTOR TO CONSTRUCT SECTIONS OF MEDIAN AND TWLTL

STAGE 3 RETAINING WALLS TO INCLUDE: R-56-0041, R-56-0039, R-56-0038, L05, L04, L03, L02 & L01

CARRYOVER INTO POST-STAGE 3:

STREET LIGHTING BASES AND CONDUIT & CONCRETE TERRACES

PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	OVERVIEW - STAGE 3	SHEET 487	E

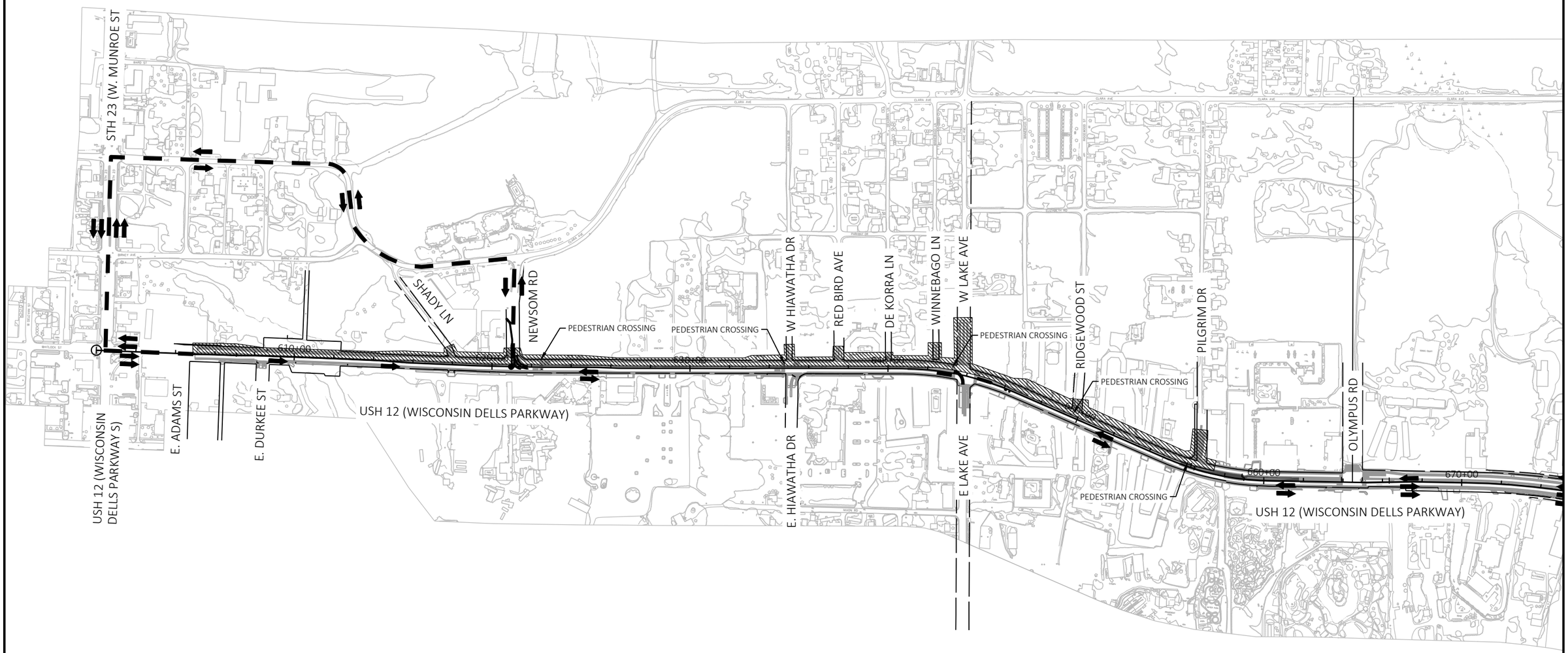
2

STAGE 4:

E ADAMS ST TO PILGRIM DR- CONTRACTOR TO RECONSTRUCT SOUTHBOUND LANES

STAGE 4 RETAINING WALLS TO INCLUDE: NONE

N



LEGEND

DIRECTION OF TRAVEL

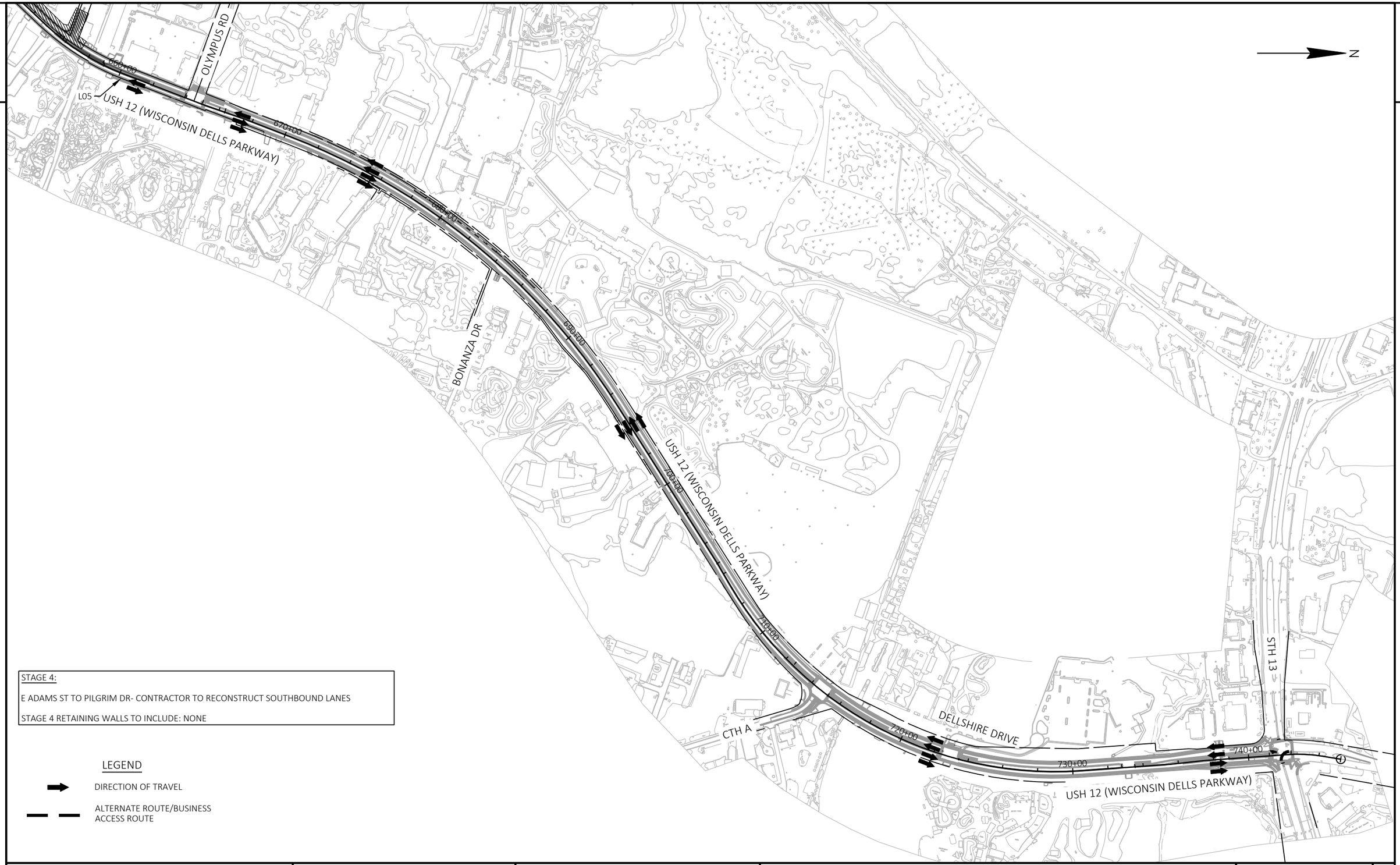
ALTERNATE ROUTE/BUSINESS ACCESS ROUTE

PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	TRAFFIC CONTROL OVERVIEW - STAGE 4	SHEET 488	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\SINGLE LET_ALL IDS\025100_TC_OVERVIEW_S4.DWG
LAYOUT NAME - South

PLOT DATE : 2/11/2026 3:03 PM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:500 FT

WISDOT/CADDS SHEET 42



STAGE 4:

E ADAMS ST TO PILGRIM DR- CONTRACTOR TO RECONSTRUCT SOUTHBOUND LANES

STAGE 4 RETAINING WALLS TO INCLUDE: NONE

LEGEND

DIRECTION OF TRAVEL

ALTERNATE ROUTE/BUSINESS ACCESS ROUTE

PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	TRAFFIC CONTROL OVERVIEW - STAGE 4	SHEET 489	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\SINGLE LET_ALL IDS\025100_TC_OVERVIEW_S4.DWG
LAYOUT NAME - North

PLOT DATE : 2/11/2026 3:03 PM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:500 FT

WISDOT/CADDS SHEET 42

STAGE 5:

E ADAMS STREET TO OLYMPUS RD- CONSTRUCT REMAINING TWLTL..

N

STH 23 (W. MUNROE ST

SHADY LN

NEWSOM RD

USH 12 (WISCONSIN DELLS PARKWAY)

PEDESTRIAN CROSSING

E. HIAWATHA DR

RED BIRD AVE

DE KORRA LN

WINNEBAGO LN

E LAKE AVE

PEDESTRIAN CROSSING

RIDGEWOOD ST

PILGRIM DR

OLYMPUS RD

PEDESTRIAN CROSSING

610+00

620+00

630+00

640+00

650+00

660+00

670+00

USH 12 (WISCONSIN DELLS PARKWAY S)

E. ADAMS ST

E. DURKEE ST

PEDESTRIAN CROSSING

E. HIAWATHA DR

E LAKE AVE

LEGEND

DIRECTION OF TRAVEL

ALTERNATE ROUTE/BUSINESS ACCESS ROUTE

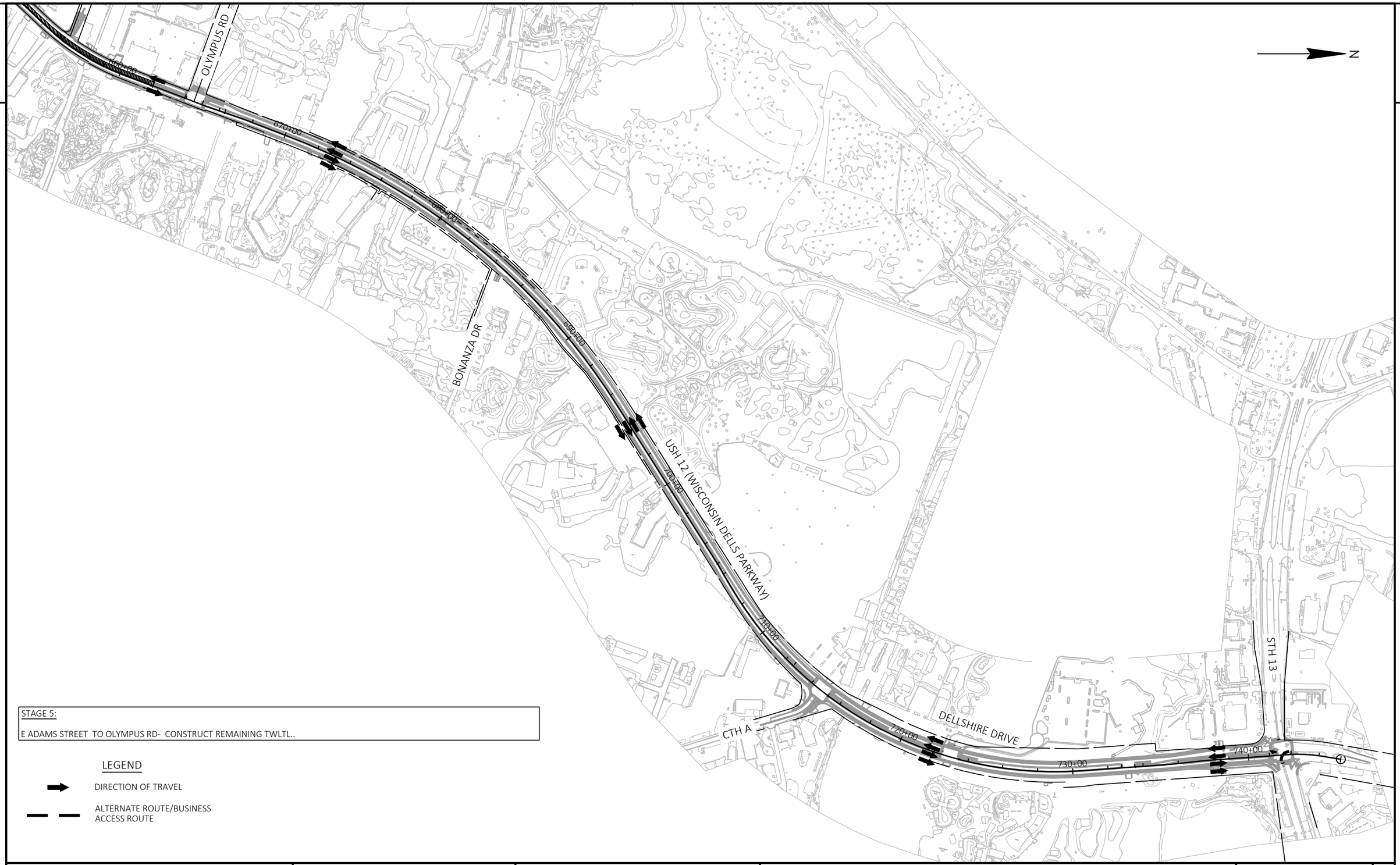
PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	TRAFFIC CONTROL OVERVIEW - STAGE 5	SHEET 490	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\SINGLE LET_ALL IDS\025100_TC_OVERVIEW_S5.DWG
LAYOUT NAME - South

PLOT DATE : 2/11/2026 3:04 PM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:500 FT

WISDOT/CADDS SHEET 42

2



STAGE 5:

E ADAMS STREET TO OLYMPUS RD- CONSTRUCT REMAINING TWLTL..

LEGEND

DIRECTION OF TRAVEL

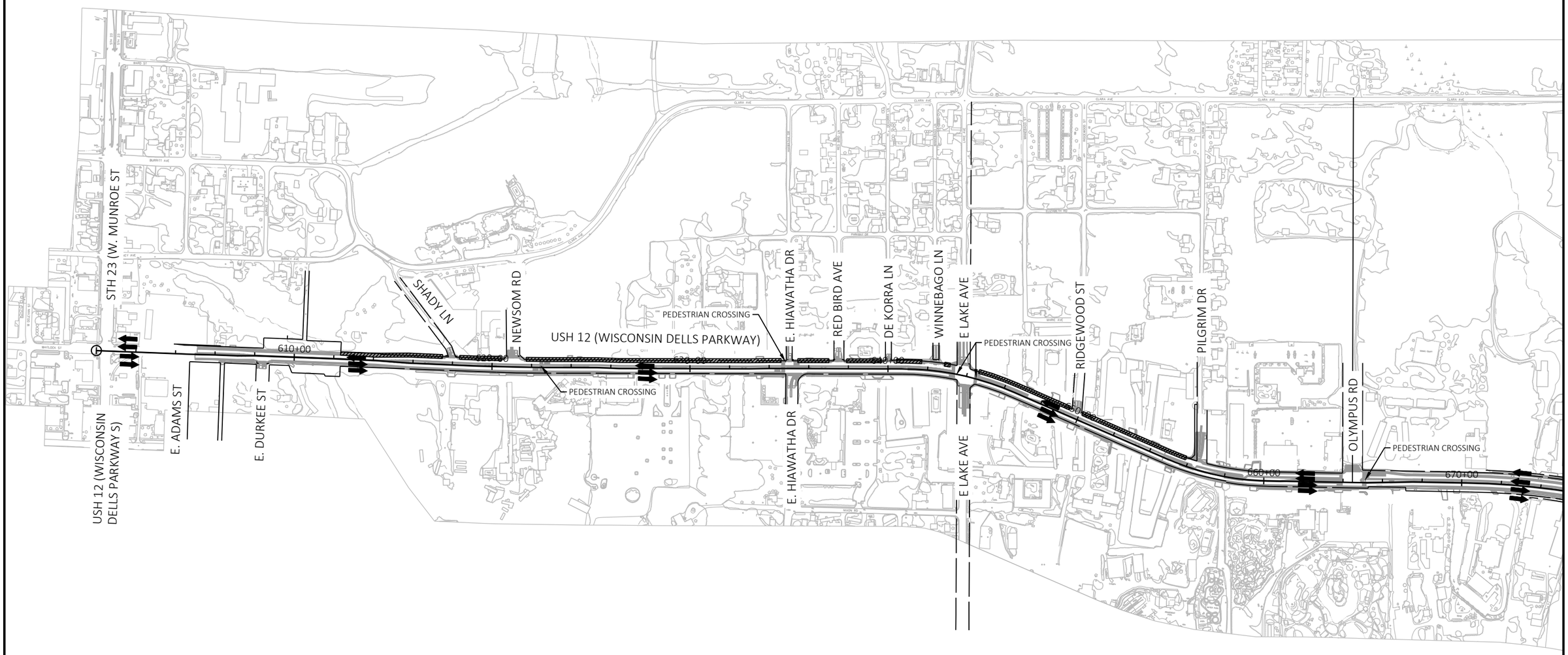
ALTERNATE ROUTE/BUSINESS ACCESS ROUTE

PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	TRAFFIC CONTROL OVERVIEW - STAGE 5	SHEET 491	E

STAGE 6:

E ADAMS STREET TO OLYMPUS RD- CONSTRUCT STREET LIGHTING BASES AND CONDUIT & CONCRETE TERRACES.

N



LEGEND

DIRECTION OF TRAVEL

ALTERNATE ROUTE/BUSINESS ACCESS ROUTE

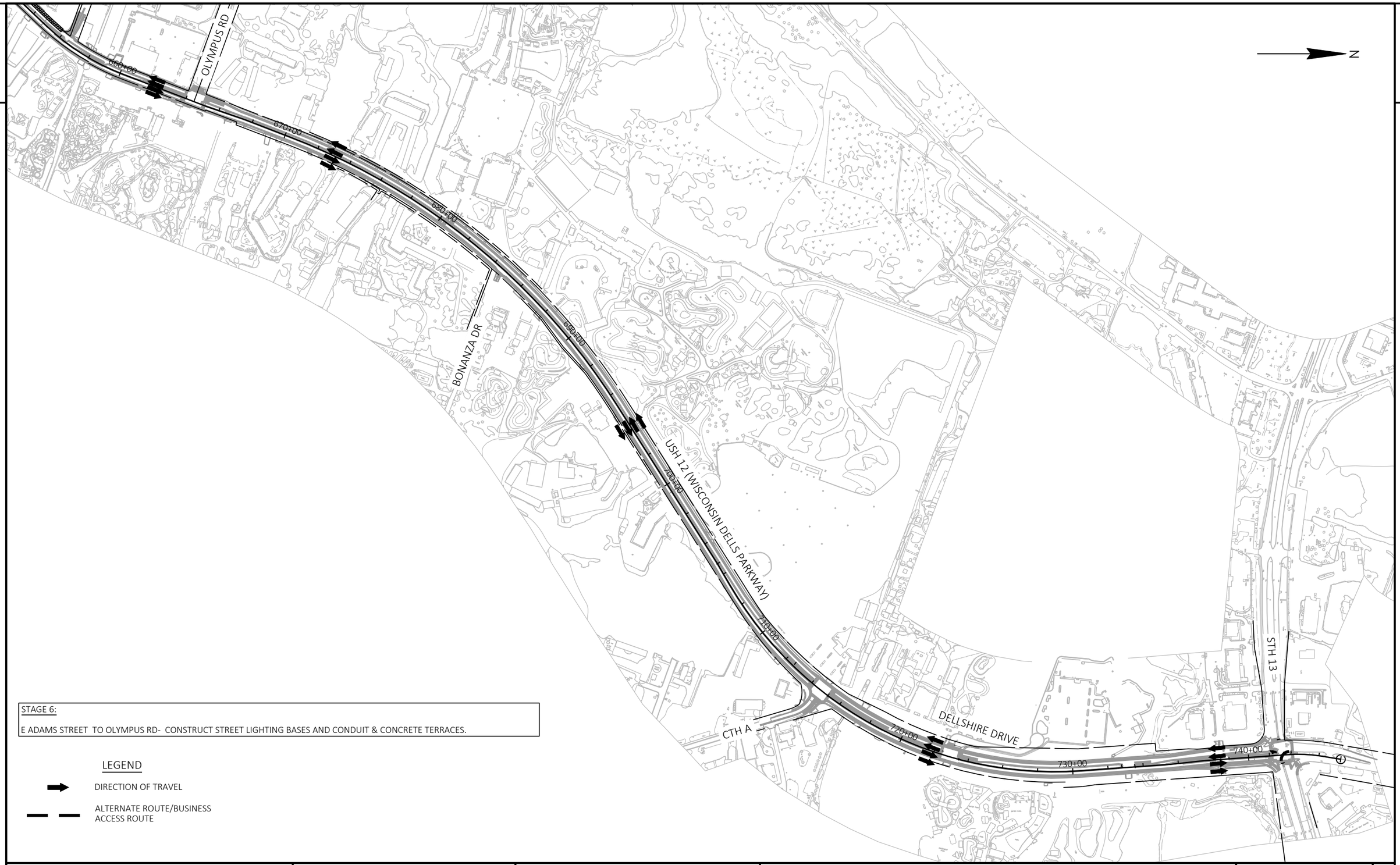
PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	TRAFFIC CONTROL OVERVIEW - STAGE 6	SHEET 492	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\SINGLE LET_ALL IDS\025100_TC_OVERVIEW_S6.DWG
LAYOUT NAME - South

PLOT DATE : 2/11/2026 3:04 PM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:500 FT

WISDOT/CADDS SHEET 42

2



STAGE 6:

E ADAMS STREET TO OLYMPUS RD- CONSTRUCT STREET LIGHTING BASES AND CONDUIT & CONCRETE TERRACES.

LEGEND

DIRECTION OF TRAVEL

ALTERNATE ROUTE/BUSINESS ACCESS ROUTE

PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	TRAFFIC CONTROL OVERVIEW - STAGE 6	SHEET 493	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\SINGLE LET_ALL IDS\025100_TC_OVERVIEW_S6.DWG
LAYOUT NAME - North

PLOT DATE : 2/11/2026 3:05 PM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:500 FT

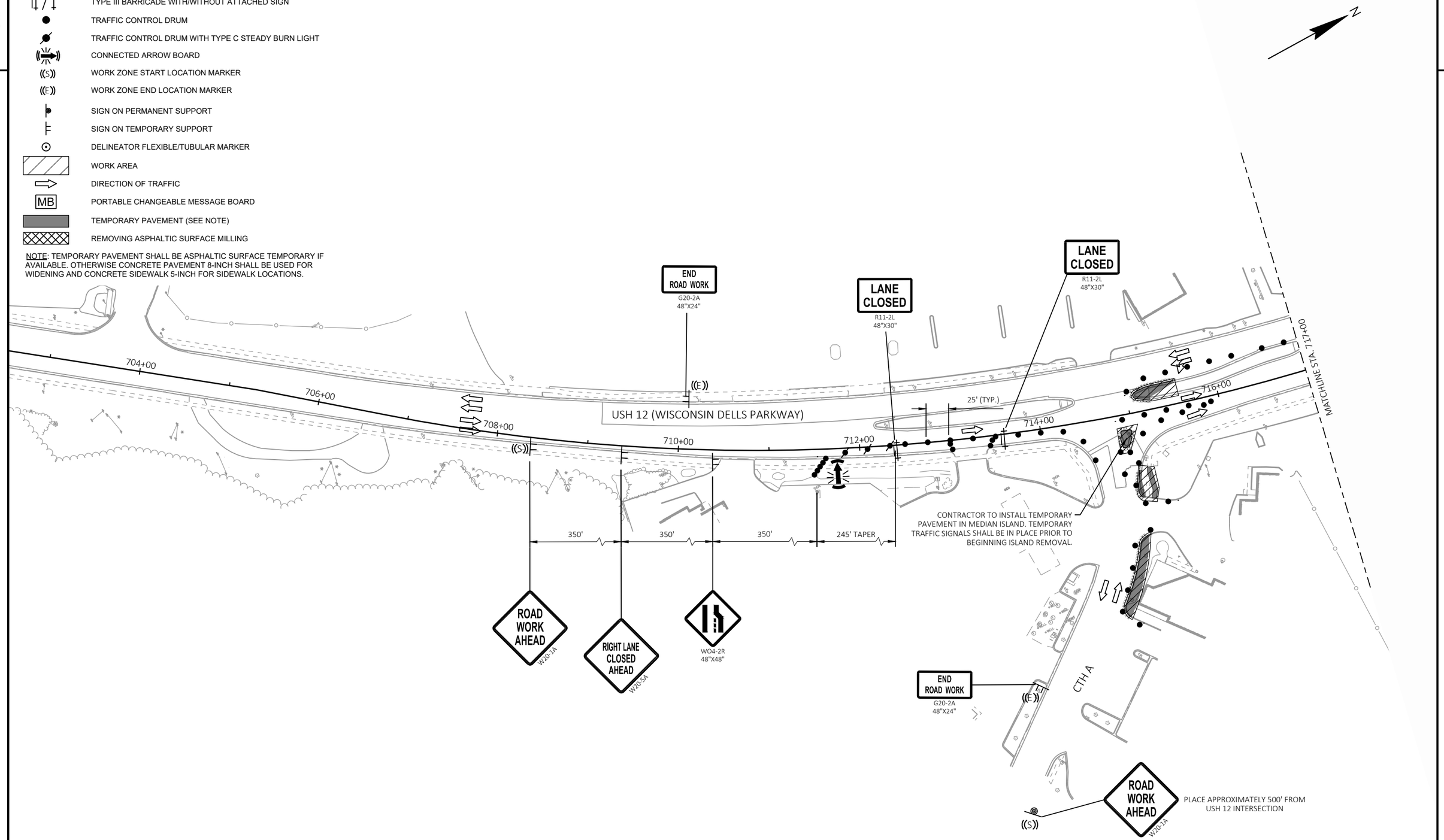
WISDOT/CADDS SHEET 42

2

LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- WORK ZONE START LOCATION MARKER
- WORK ZONE END LOCATION MARKER
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- WORK AREA
- DIRECTION OF TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD
- TEMPORARY PAVEMENT (SEE NOTE)
- REMOVING ASPHALTIC SURFACE MILLING

NOTE: TEMPORARY PAVEMENT SHALL BE ASPHALTIC SURFACE TEMPORARY IF AVAILABLE. OTHERWISE CONCRETE PAVEMENT 8-INCH SHALL BE USED FOR WIDENING AND CONCRETE SIDEWALK 5-INCH FOR SIDEWALK LOCATIONS.

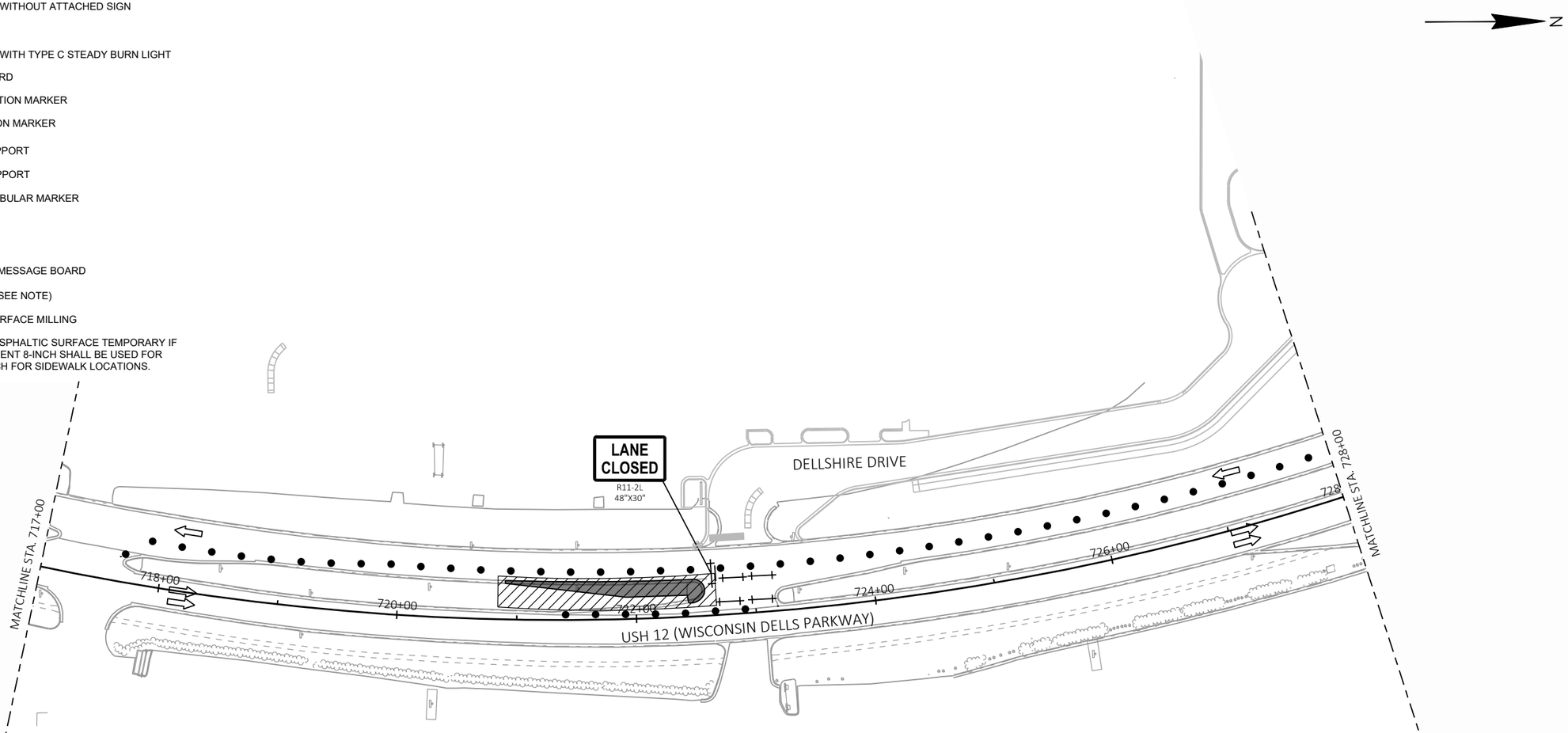


PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	TRAFFIC CONTROL: PRE-STAGE	SHEET 494	E

LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- WORK ZONE START LOCATION MARKER
- WORK ZONE END LOCATION MARKER
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- WORK AREA
- DIRECTION OF TRAFFIC
- MB — PORTABLE CHANGEABLE MESSAGE BOARD
- TEMPORARY PAVEMENT (SEE NOTE)
- REMOVING ASPHALTIC SURFACE MILLING

NOTE: TEMPORARY PAVEMENT SHALL BE ASPHALTIC SURFACE TEMPORARY IF AVAILABLE. OTHERWISE CONCRETE PAVEMENT 8-INCH SHALL BE USED FOR WIDENING AND CONCRETE SIDEWALK 5-INCH FOR SIDEWALK LOCATIONS.



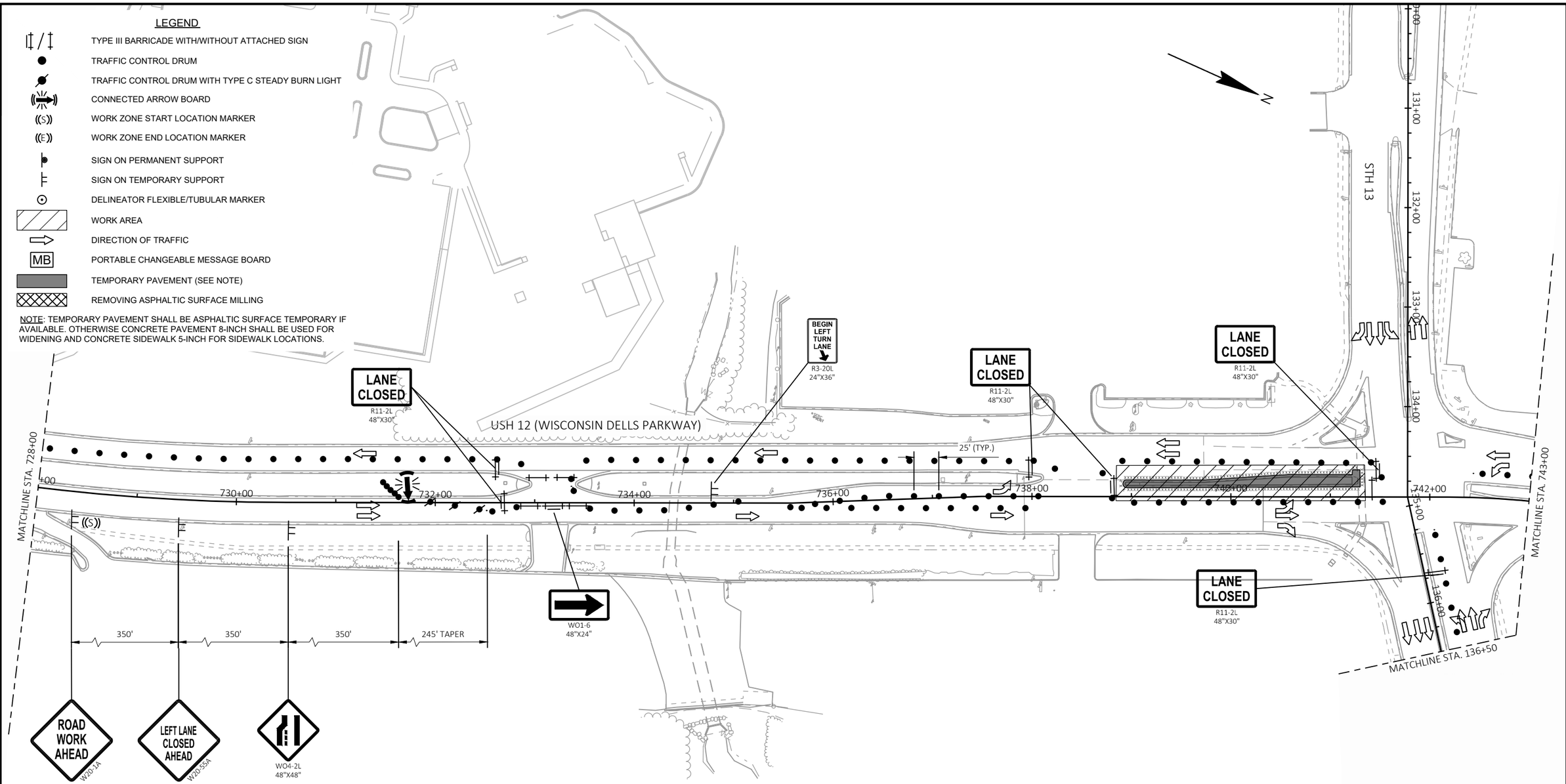
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2

LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- WORK ZONE START LOCATION MARKER
- WORK ZONE END LOCATION MARKER
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- WORK AREA
- DIRECTION OF TRAFFIC
- MB — PORTABLE CHANGEABLE MESSAGE BOARD
- TEMPORARY PAVEMENT (SEE NOTE)
- REMOVING ASPHALTIC SURFACE MILLING

NOTE: TEMPORARY PAVEMENT SHALL BE ASPHALTIC SURFACE TEMPORARY IF AVAILABLE. OTHERWISE CONCRETE PAVEMENT 8-INCH SHALL BE USED FOR WIDENING AND CONCRETE SIDEWALK 5-INCH FOR SIDEWALK LOCATIONS.



PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	TRAFFIC CONTROL: PRE-STAGE	SHEET 496	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\SINGLE LET_ALL IDS\025100_TC_S0.DWG
LAYOUT NAME - 03

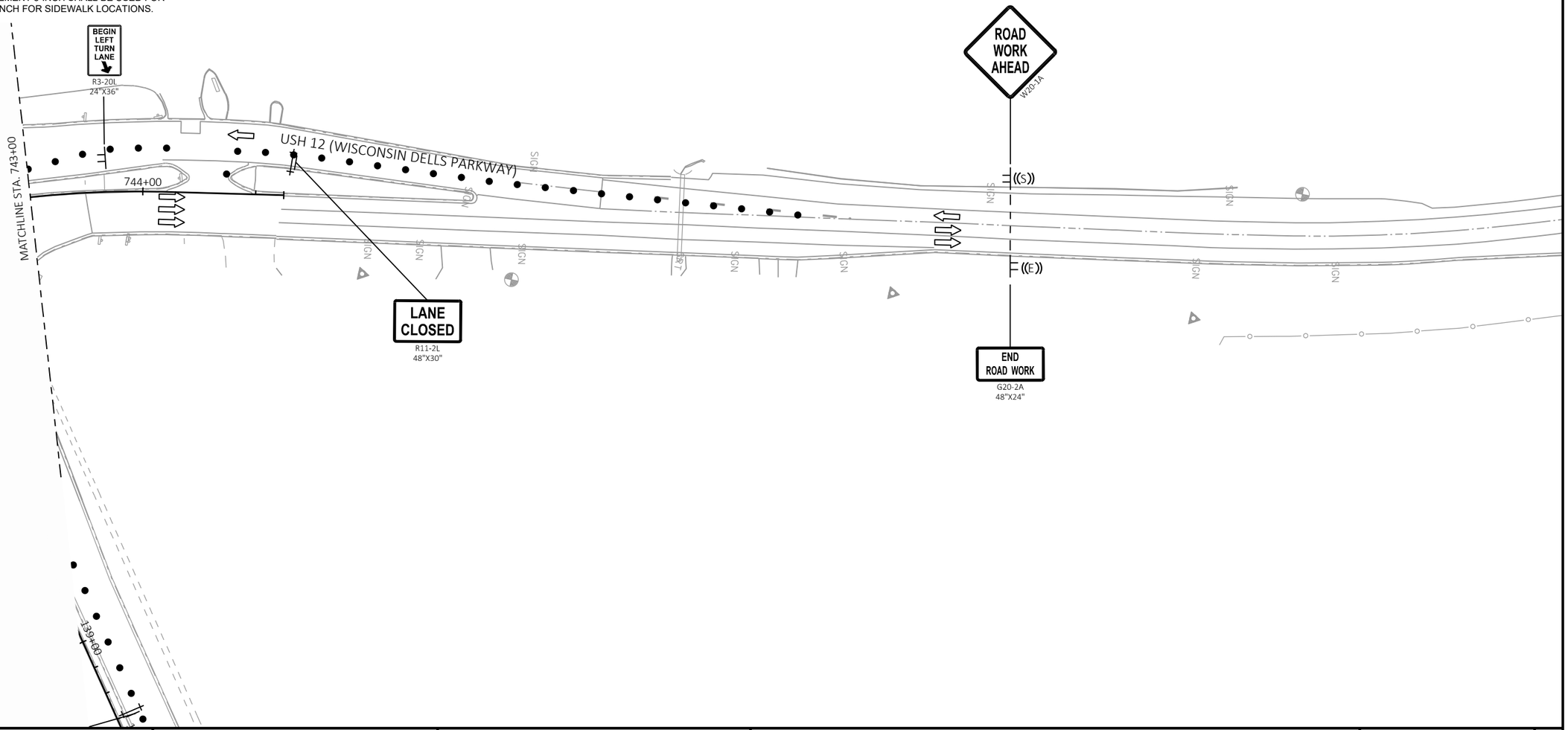
PLOT DATE : 2/11/2026 3:05 PM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- WORK ZONE START LOCATION MARKER
- WORK ZONE END LOCATION MARKER
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- WORK AREA
- DIRECTION OF TRAFFIC
- MB — PORTABLE CHANGEABLE MESSAGE BOARD
- TEMPORARY PAVEMENT (SEE NOTE)
- REMOVING ASPHALTIC SURFACE MILLING

NOTE: TEMPORARY PAVEMENT SHALL BE ASPHALTIC SURFACE TEMPORARY IF AVAILABLE. OTHERWISE CONCRETE PAVEMENT 8-INCH SHALL BE USED FOR WIDENING AND CONCRETE SIDEWALK 5-INCH FOR SIDEWALK LOCATIONS.



2

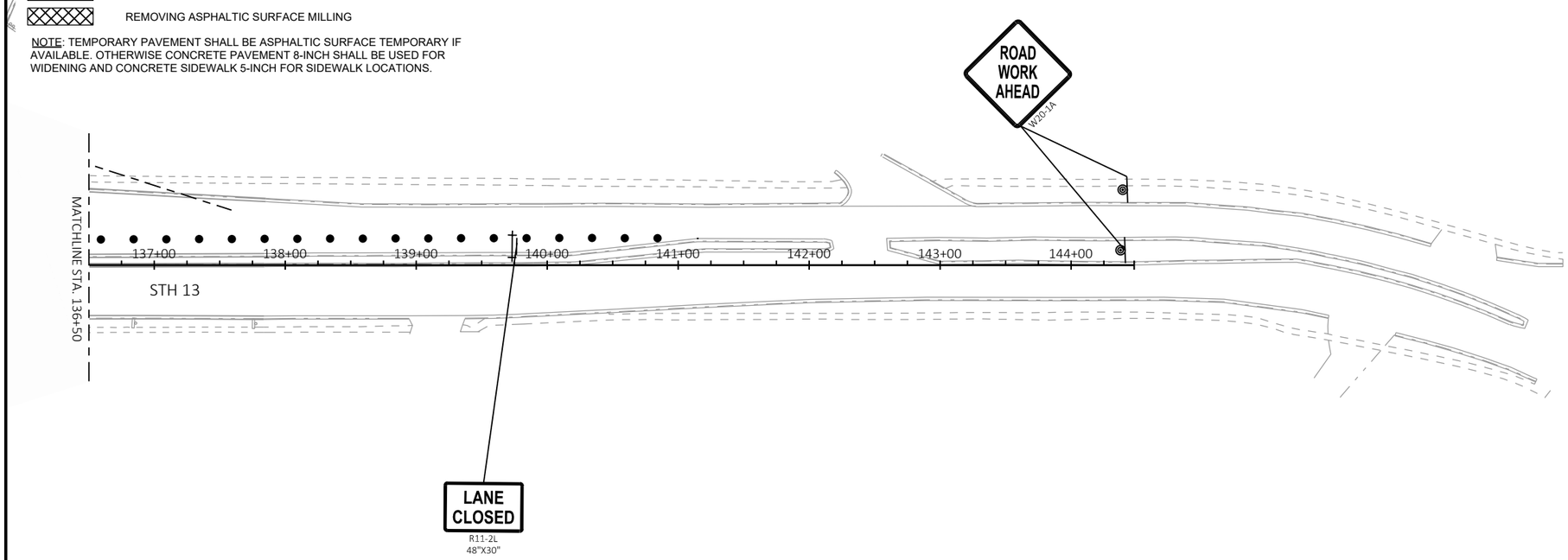
PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	TRAFFIC CONTROL: PRE-STAGE	SHEET 497	E

2

LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- WORK ZONE START LOCATION MARKER
- WORK ZONE END LOCATION MARKER
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- WORK AREA
- DIRECTION OF TRAFFIC
- PORTABLE CHANGEABLE MESSAGE BOARD
- TEMPORARY PAVEMENT (SEE NOTE)
- REMOVING ASPHALTIC SURFACE MILLING

NOTE: TEMPORARY PAVEMENT SHALL BE ASPHALTIC SURFACE TEMPORARY IF AVAILABLE. OTHERWISE CONCRETE PAVEMENT 8-INCH SHALL BE USED FOR WIDENING AND CONCRETE SIDEWALK 5-INCH FOR SIDEWALK LOCATIONS.



2

PROJECT NO: 6145-01-72/73/74	HWY: STH 13	COUNTY: SAUK	TRAFFIC CONTROL: PRE-STAGE	SHEET 498	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\SINGLE LET_ALL IDS\025100_TC_S0.DWG
LAYOUT NAME - 15

PLOT DATE : 2/11/2026 3:05 PM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:100 FT

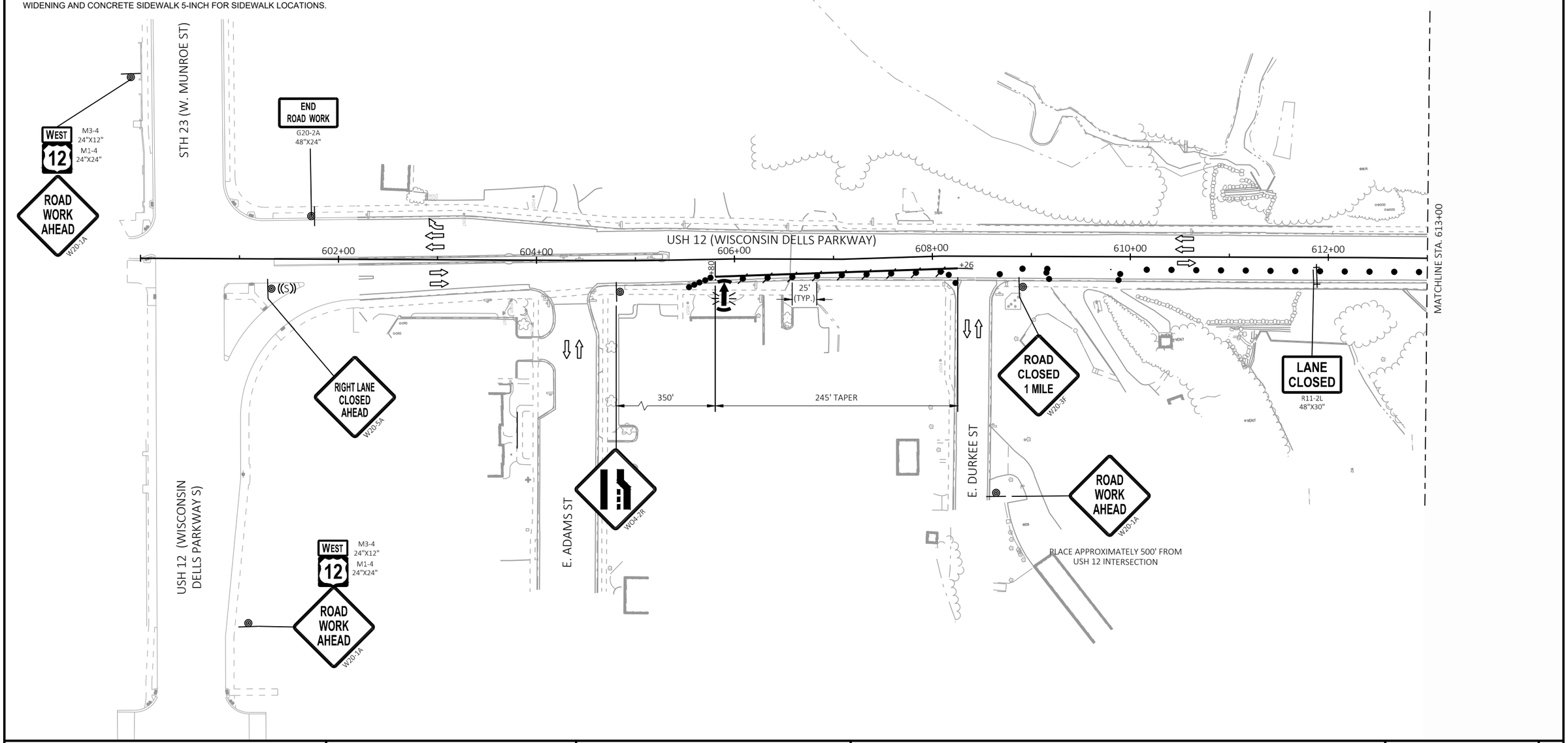
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LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- WORK ZONE START LOCATION MARKER
- WORK ZONE END LOCATION MARKER
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- WORK AREA
- DIRECTION OF TRAFFIC
- PORTABLE CHANGEABLE MESSAGE BOARD
- TEMPORARY PAVEMENT (SEE NOTE)
- REMOVING ASPHALTIC SURFACE MILLING

N

NOTE: TEMPORARY PAVEMENT SHALL BE ASPHALTIC SURFACE TEMPORARY IF AVAILABLE. OTHERWISE CONCRETE PAVEMENT 8-INCH SHALL BE USED FOR WIDENING AND CONCRETE SIDEWALK 5-INCH FOR SIDEWALK LOCATIONS.



PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	TRAFFIC CONTROL: STAGE 1	SHEET 499	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\SINGLE LET_ALL IDS\025100_TC_S1.DWG
LAYOUT NAME - 01

PLOT DATE : 2/11/2026 3:06 PM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:100 FT

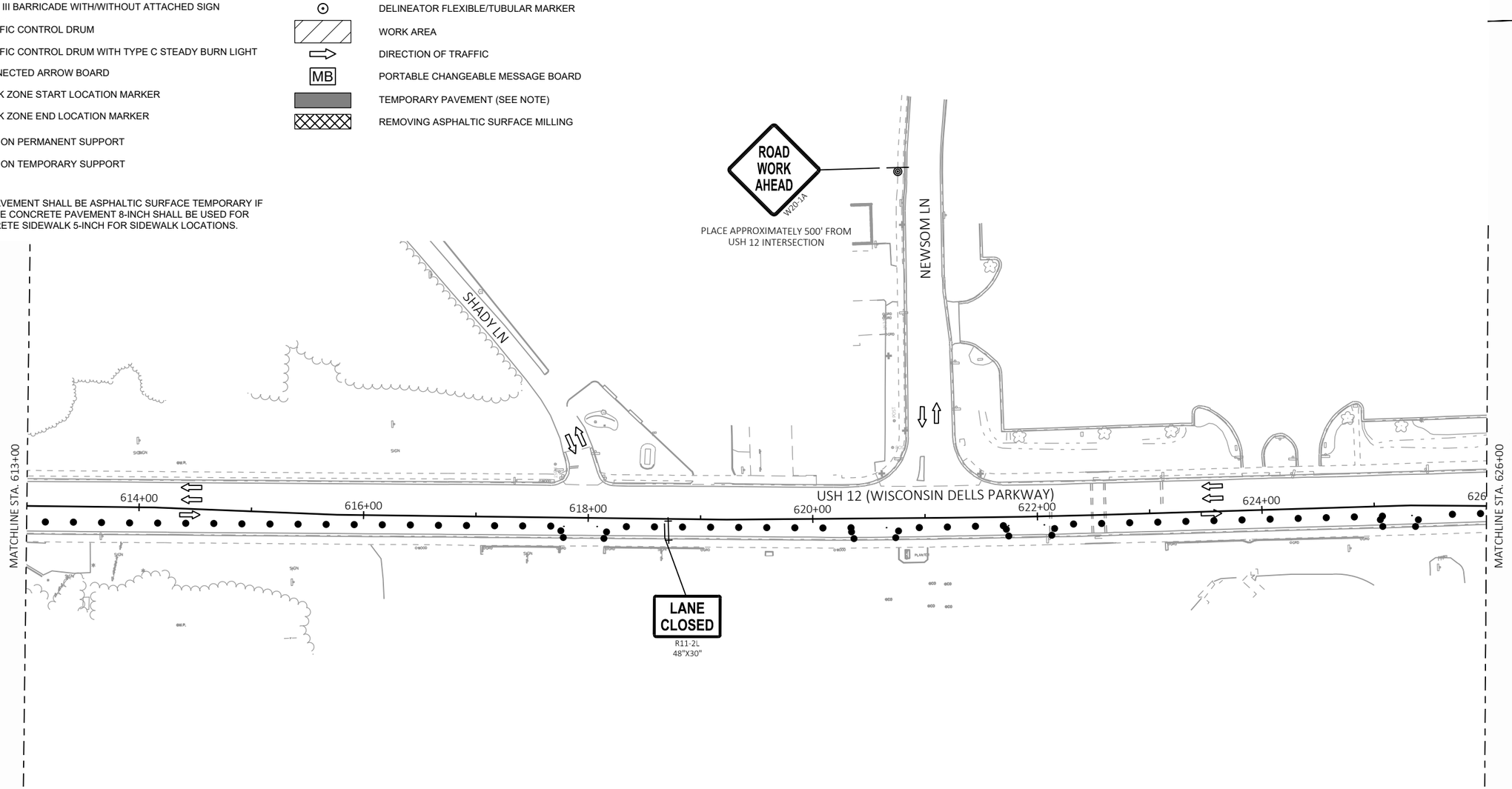
WISDOT/CADDS SHEET 42

2

LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- WORK ZONE START LOCATION MARKER
- WORK ZONE END LOCATION MARKER
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- WORK AREA
- DIRECTION OF TRAFFIC
- PORTABLE CHANGEABLE MESSAGE BOARD (MB)
- TEMPORARY PAVEMENT (SEE NOTE)
- REMOVING ASPHALTIC SURFACE MILLING

NOTE: TEMPORARY PAVEMENT SHALL BE ASPHALTIC SURFACE TEMPORARY IF AVAILABLE. OTHERWISE CONCRETE PAVEMENT 8-INCH SHALL BE USED FOR WIDENING AND CONCRETE SIDEWALK 5-INCH FOR SIDEWALK LOCATIONS.



PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	TRAFFIC CONTROL: STAGE 1	SHEET 500	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\SINGLE LET_ALL IDS\025100_TC_S1.DWG
LAYOUT NAME - 02

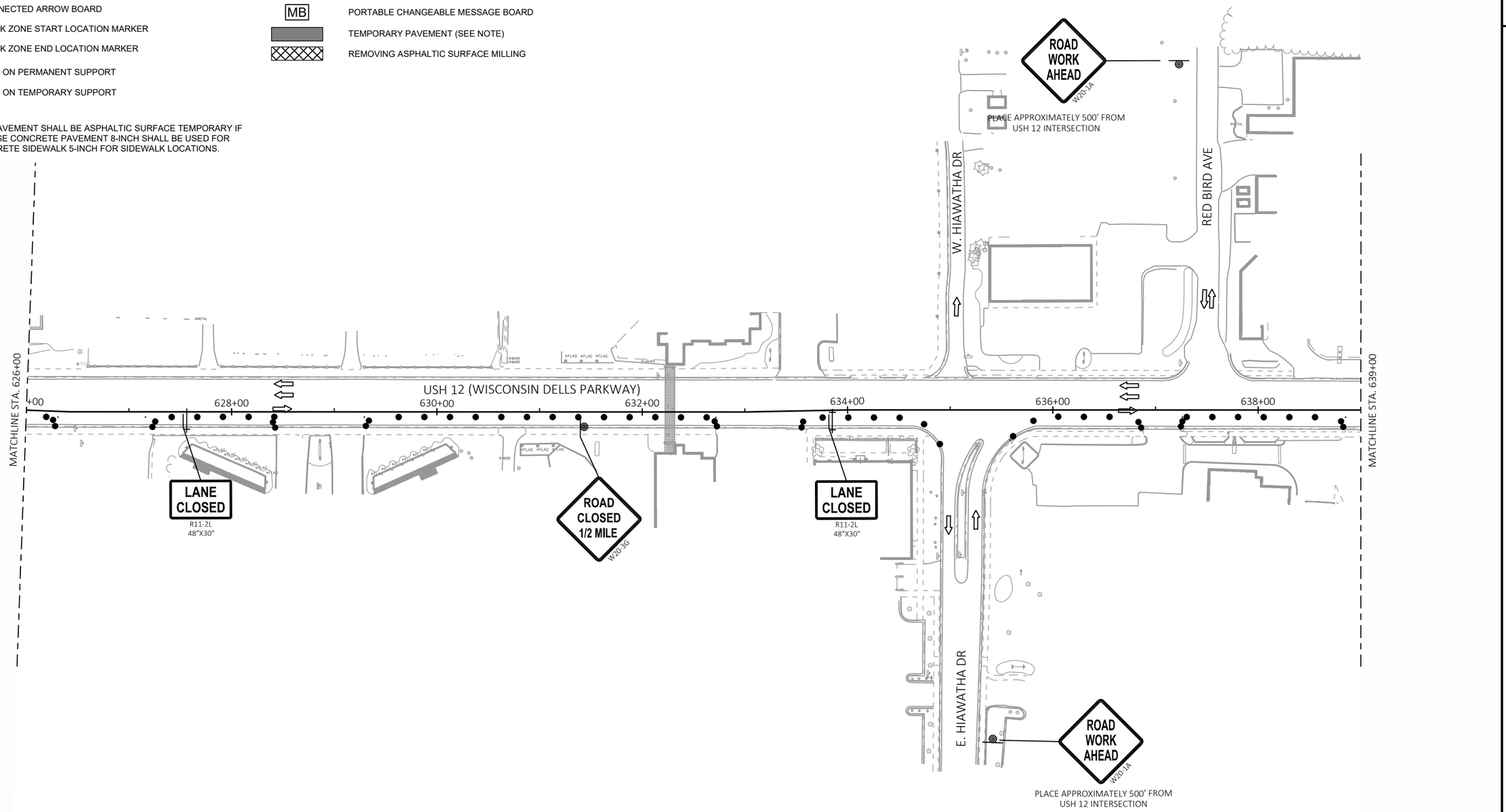
PLOT DATE : 2/11/2026 3:06 PM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- WORK ZONE START LOCATION MARKER
- WORK ZONE END LOCATION MARKER
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- WORK AREA
- DIRECTION OF TRAFFIC
- PORTABLE CHANGEABLE MESSAGE BOARD (MB)
- TEMPORARY PAVEMENT (SEE NOTE)
- REMOVING ASPHALTIC SURFACE MILLING

NOTE: TEMPORARY PAVEMENT SHALL BE ASPHALTIC SURFACE TEMPORARY IF AVAILABLE. OTHERWISE CONCRETE PAVEMENT 8-INCH SHALL BE USED FOR WIDENING AND CONCRETE SIDEWALK 5-INCH FOR SIDEWALK LOCATIONS.



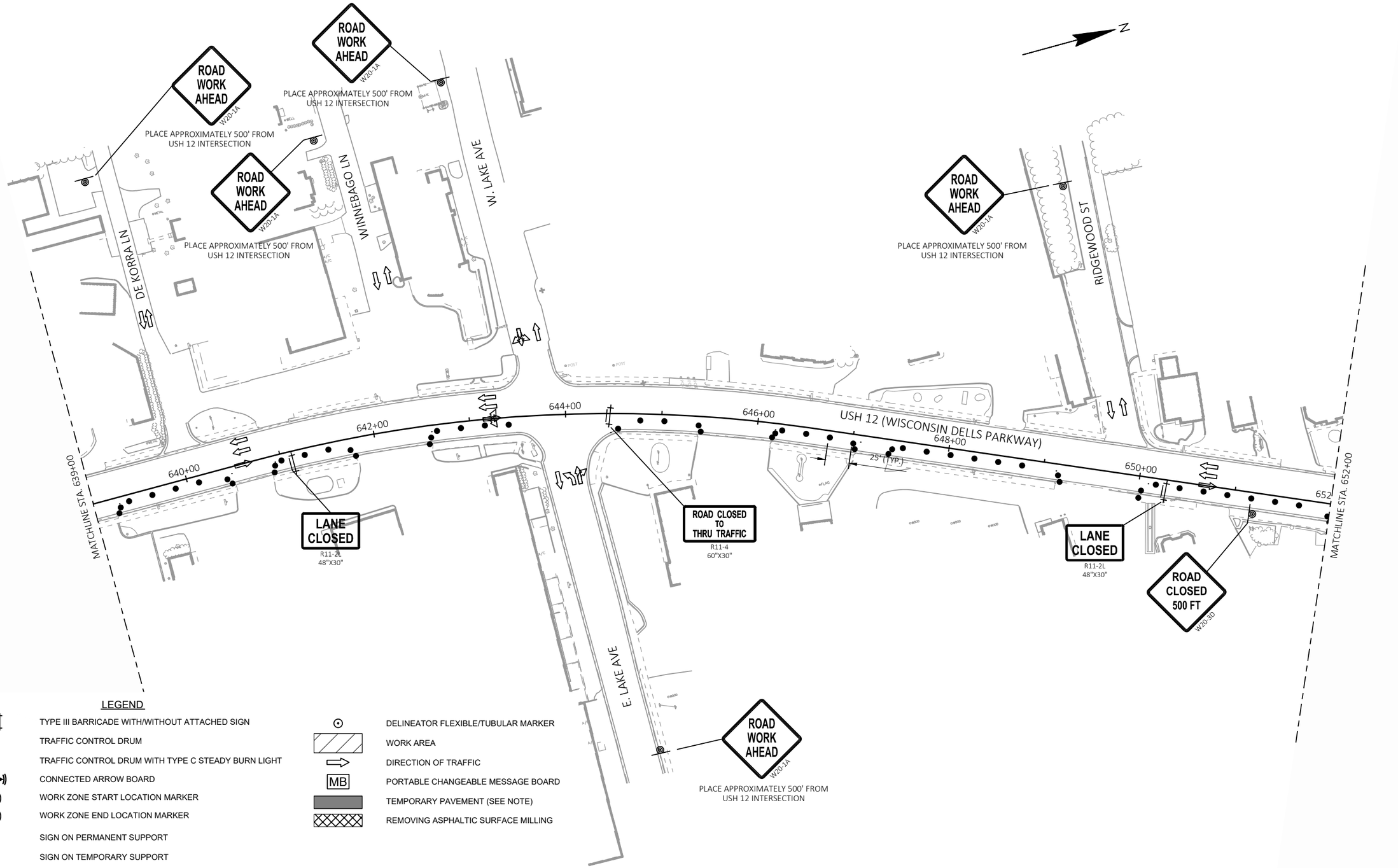
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PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	TRAFFIC CONTROL: STAGE 1	SHEET 501	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\SINGLE LET_ALL IDS\025100_TC_S1.DWG
LAYOUT NAME - 03

PLOT DATE : 2/11/2026 3:06 PM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:100 FT

2



LEGEND

TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN	DELINEATOR FLEXIBLE/TUBULAR MARKER
TRAFFIC CONTROL DRUM	WORK AREA
TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT	DIRECTION OF TRAFFIC
CONNECTED ARROW BOARD	PORTABLE CHANGEABLE MESSAGE BOARD
WORK ZONE START LOCATION MARKER	TEMPORARY PAVEMENT (SEE NOTE)
WORK ZONE END LOCATION MARKER	REMOVING ASPHALTIC SURFACE MILLING
SIGN ON PERMANENT SUPPORT	
SIGN ON TEMPORARY SUPPORT	

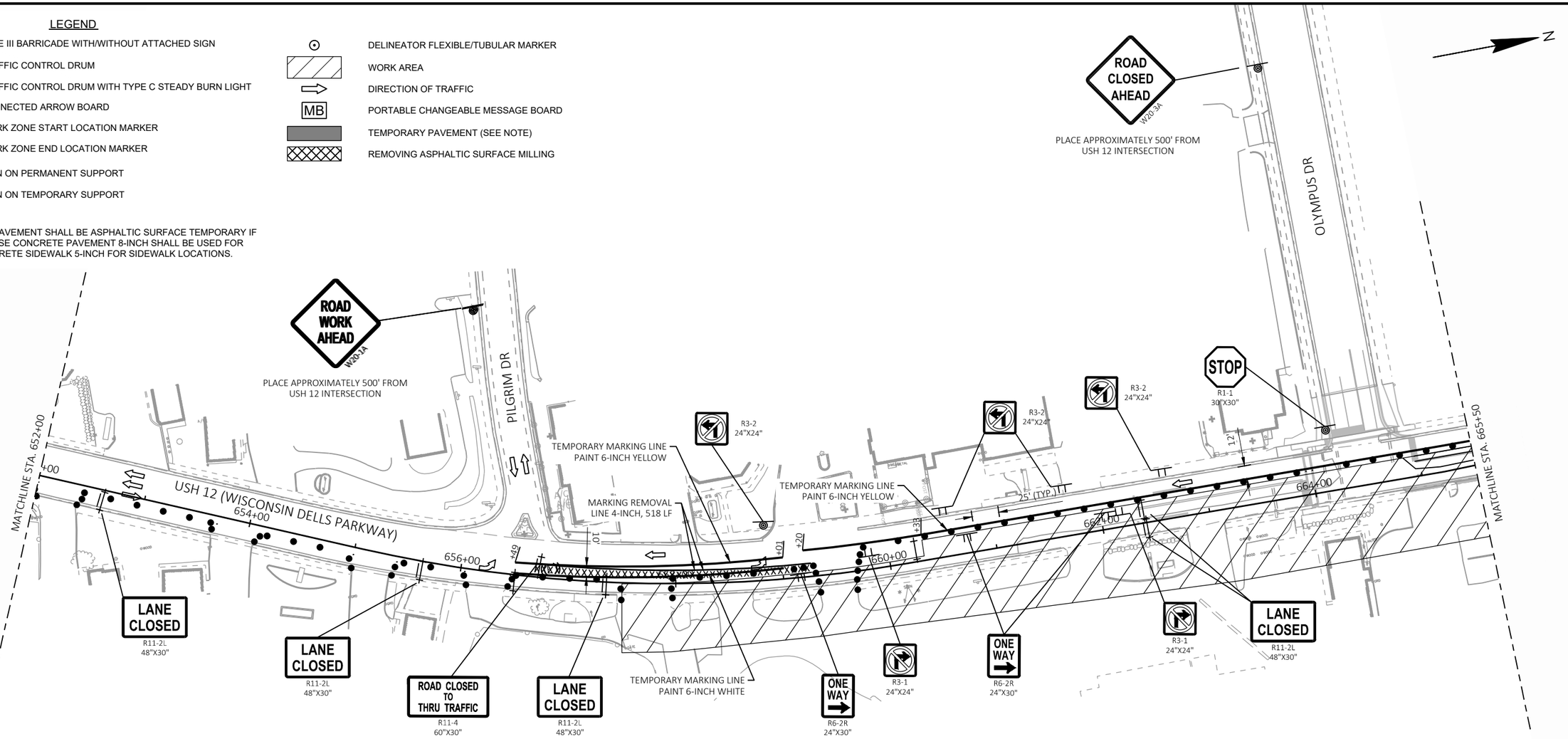
NOTE: TEMPORARY PAVEMENT SHALL BE ASPHALTIC SURFACE TEMPORARY IF AVAILABLE. OTHERWISE CONCRETE PAVEMENT 8-INCH SHALL BE USED FOR WIDENING AND CONCRETE SIDEWALK 5-INCH FOR SIDEWALK LOCATIONS.

PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	TRAFFIC CONTROL: STAGE 1	SHEET 502	E

LEGEND

TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN	DELINEATOR FLEXIBLE/TUBULAR MARKER
TRAFFIC CONTROL DRUM	WORK AREA
TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT	DIRECTION OF TRAFFIC
CONNECTED ARROW BOARD	PORTABLE CHANGEABLE MESSAGE BOARD
WORK ZONE START LOCATION MARKER	TEMPORARY PAVEMENT (SEE NOTE)
WORK ZONE END LOCATION MARKER	REMOVING ASPHALTIC SURFACE MILLING
SIGN ON PERMANENT SUPPORT	
SIGN ON TEMPORARY SUPPORT	

NOTE: TEMPORARY PAVEMENT SHALL BE ASPHALTIC SURFACE TEMPORARY IF AVAILABLE. OTHERWISE CONCRETE PAVEMENT 8-INCH SHALL BE USED FOR WIDENING AND CONCRETE SIDEWALK 5-INCH FOR SIDEWALK LOCATIONS.

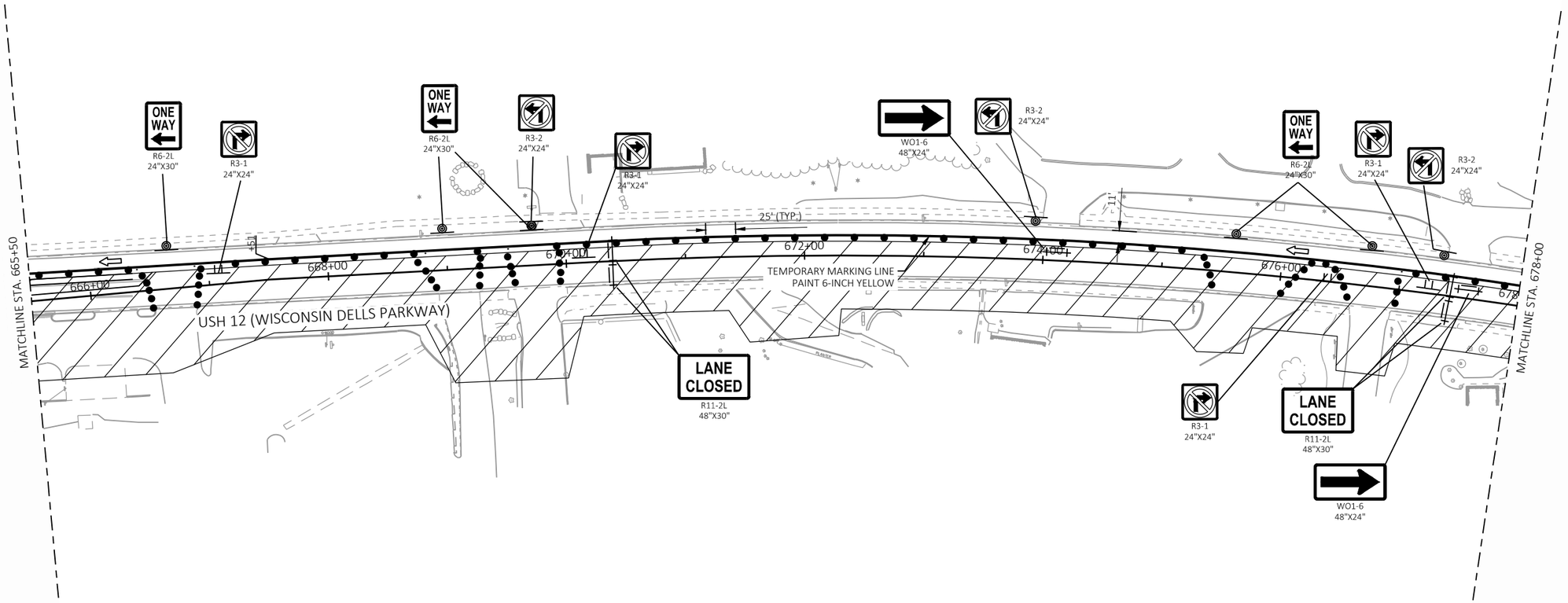


LEGEND

TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN	DELINEATOR FLEXIBLE/TUBULAR MARKER
TRAFFIC CONTROL DRUM	WORK AREA
TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT	DIRECTION OF TRAFFIC
CONNECTED ARROW BOARD	PORTABLE CHANGEABLE MESSAGE BOARD
WORK ZONE START LOCATION MARKER	TEMPORARY PAVEMENT (SEE NOTE)
WORK ZONE END LOCATION MARKER	REMOVING ASPHALTIC SURFACE MILLING
SIGN ON PERMANENT SUPPORT	
SIGN ON TEMPORARY SUPPORT	

N

NOTE: TEMPORARY PAVEMENT SHALL BE ASPHALTIC SURFACE TEMPORARY IF AVAILABLE. OTHERWISE CONCRETE PAVEMENT 8-INCH SHALL BE USED FOR WIDENING AND CONCRETE SIDEWALK 5-INCH FOR SIDEWALK LOCATIONS.



PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	TRAFFIC CONTROL: STAGE 1	SHEET 504	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\SINGLE LET_ALL IDS\025100_TC_S1.DWG
LAYOUT NAME - 06

PLOT DATE : 2/11/2026 3:06 PM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:100 FT

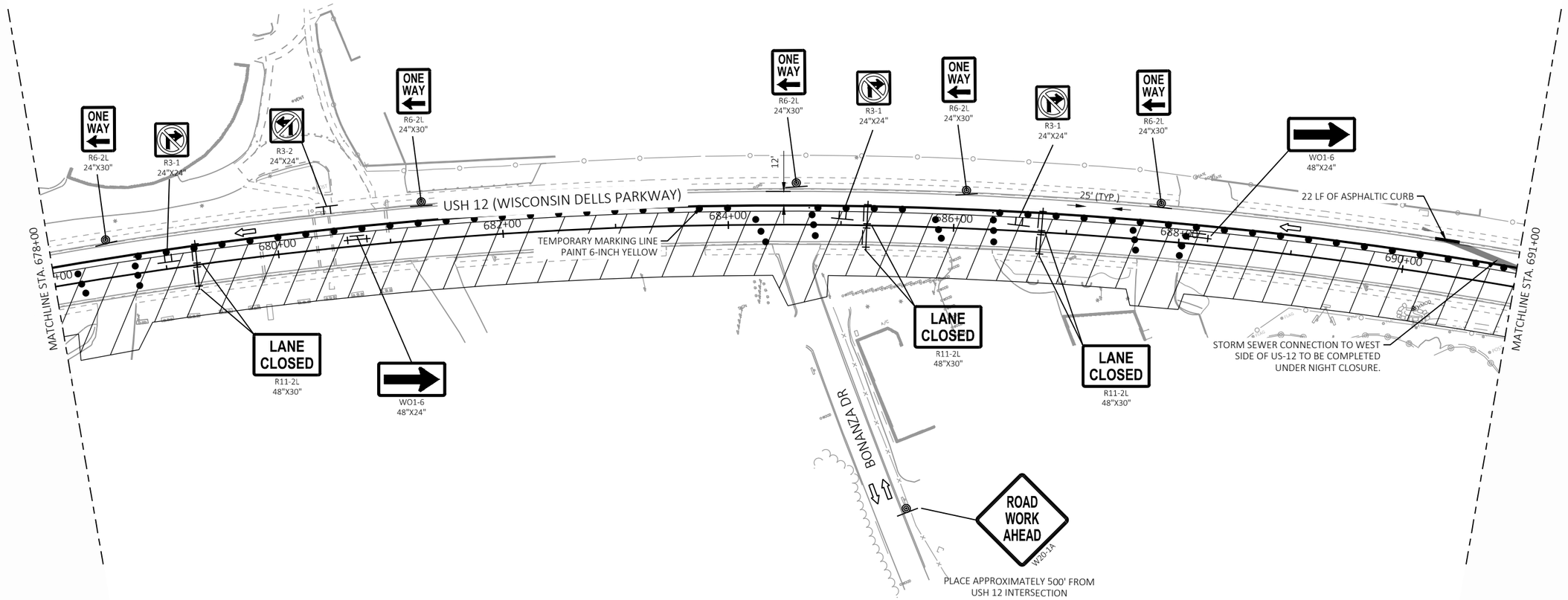
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LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- WORK ZONE START LOCATION MARKER
- WORK ZONE END LOCATION MARKER
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- WORK AREA
- DIRECTION OF TRAFFIC
- PORTABLE CHANGEABLE MESSAGE BOARD (MB)
- TEMPORARY PAVEMENT (SEE NOTE)
- REMOVING ASPHALTIC SURFACE MILLING

NOTE: TEMPORARY PAVEMENT SHALL BE ASPHALTIC SURFACE TEMPORARY IF AVAILABLE. OTHERWISE CONCRETE PAVEMENT 8-INCH SHALL BE USED FOR WIDENING AND CONCRETE SIDEWALK 5-INCH FOR SIDEWALK LOCATIONS.





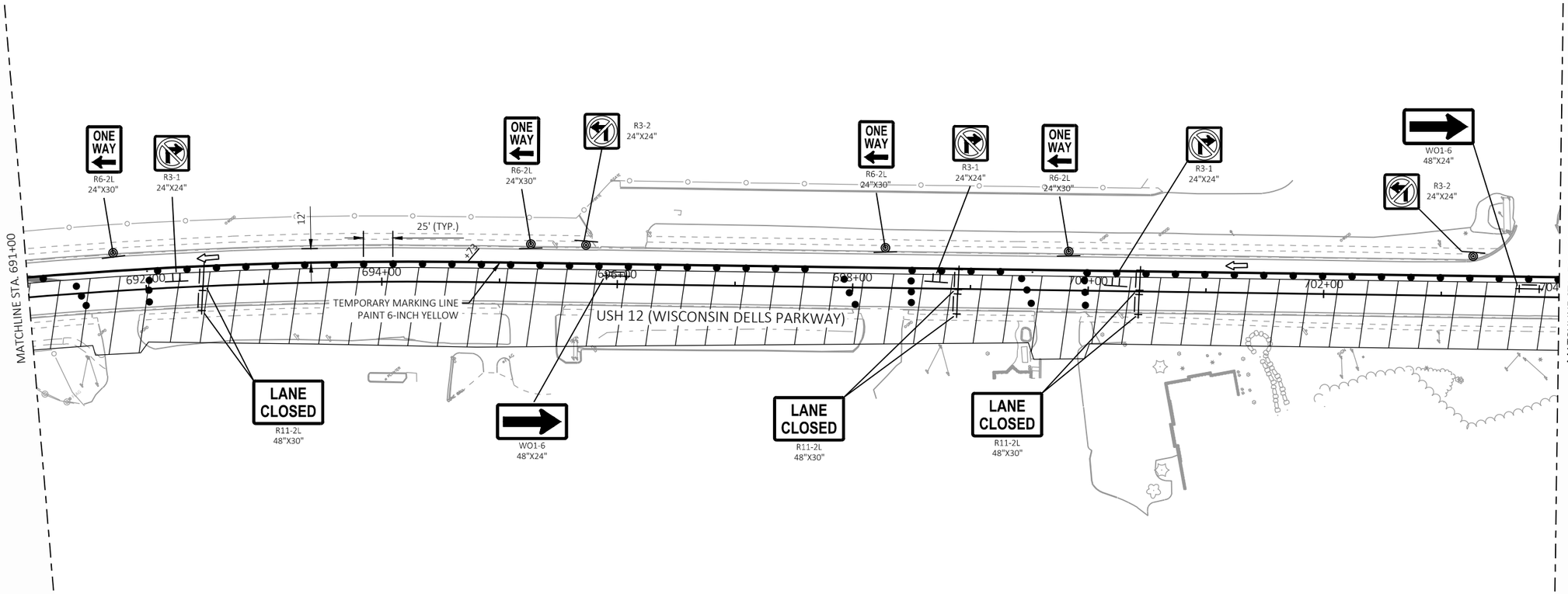
PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	TRAFFIC CONTROL: STAGE 1	SHEET 505	E

2

LEGEND

TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN	DELINEATOR FLEXIBLE/TUBULAR MARKER
TRAFFIC CONTROL DRUM	WORK AREA
TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT	DIRECTION OF TRAFFIC
CONNECTED ARROW BOARD	PORTABLE CHANGEABLE MESSAGE BOARD
WORK ZONE START LOCATION MARKER	TEMPORARY PAVEMENT (SEE NOTE)
WORK ZONE END LOCATION MARKER	REMOVING ASPHALTIC SURFACE MILLING
SIGN ON PERMANENT SUPPORT	
SIGN ON TEMPORARY SUPPORT	

NOTE: TEMPORARY PAVEMENT SHALL BE ASPHALTIC SURFACE TEMPORARY IF AVAILABLE. OTHERWISE CONCRETE PAVEMENT 8-INCH SHALL BE USED FOR WIDENING AND CONCRETE SIDEWALK 5-INCH FOR SIDEWALK LOCATIONS.



PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	TRAFFIC CONTROL: STAGE 1	SHEET 506 E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\SINGLE LET_ALL IDS\025100_TC_S1.DWG
LAYOUT NAME - 08

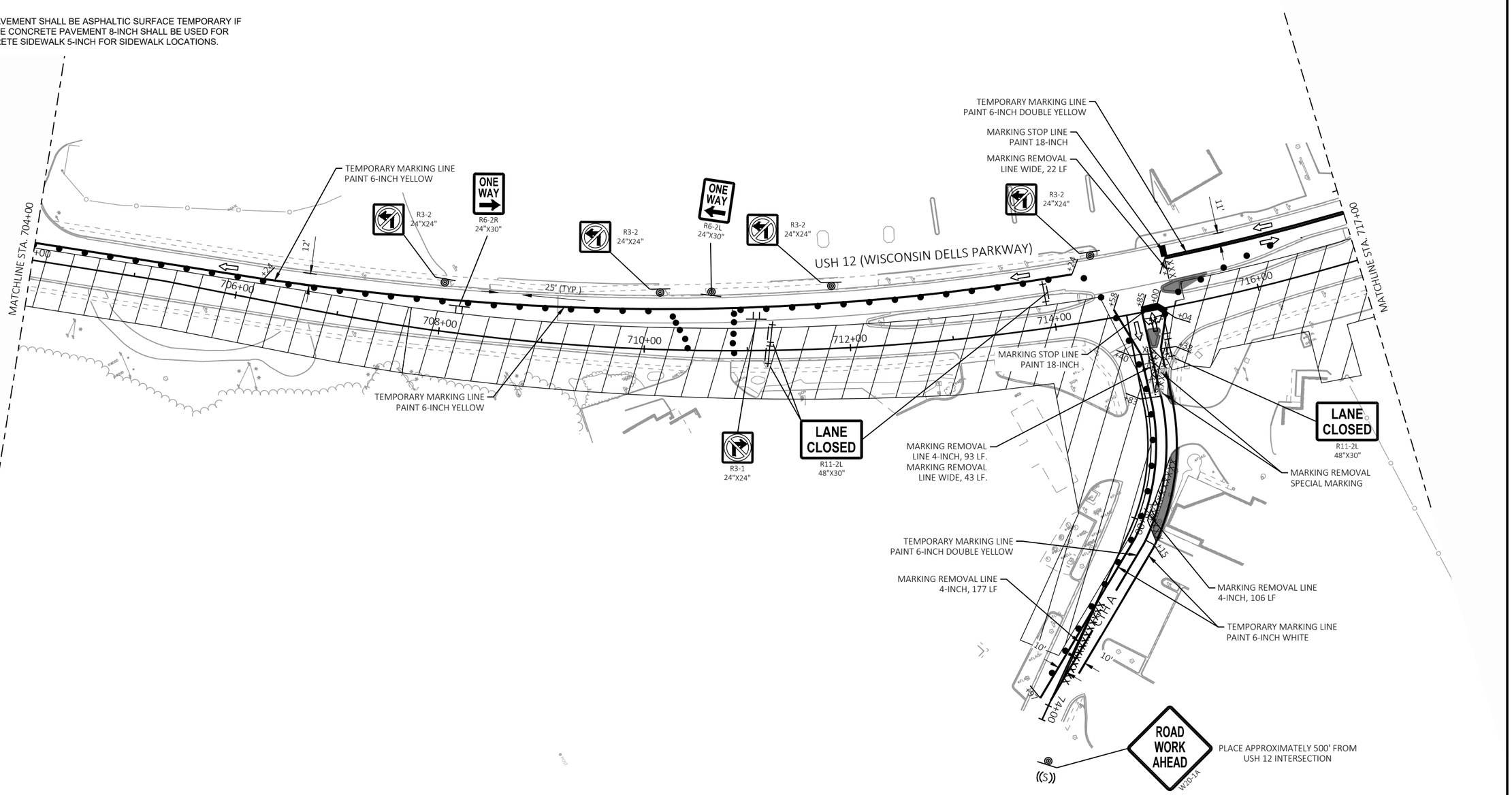
PLOT DATE : 2/11/2026 3:06 PM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- WORK ZONE START LOCATION MARKER
- WORK ZONE END LOCATION MARKER
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- WORK AREA
- DIRECTION OF TRAFFIC
- PORTABLE CHANGEABLE MESSAGE BOARD (MB)
- TEMPORARY PAVEMENT (SEE NOTE)
- REMOVING ASPHALTIC SURFACE MILLING

NOTE: TEMPORARY PAVEMENT SHALL BE ASPHALTIC SURFACE TEMPORARY IF AVAILABLE. OTHERWISE CONCRETE PAVEMENT 8-INCH SHALL BE USED FOR WIDENING AND CONCRETE SIDEWALK 5-INCH FOR SIDEWALK LOCATIONS.



PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	TRAFFIC CONTROL: STAGE 1A	SHEET 507	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\SINGLE LET_ALL IDS\025100_TC_S1.DWG
LAYOUT NAME - 09

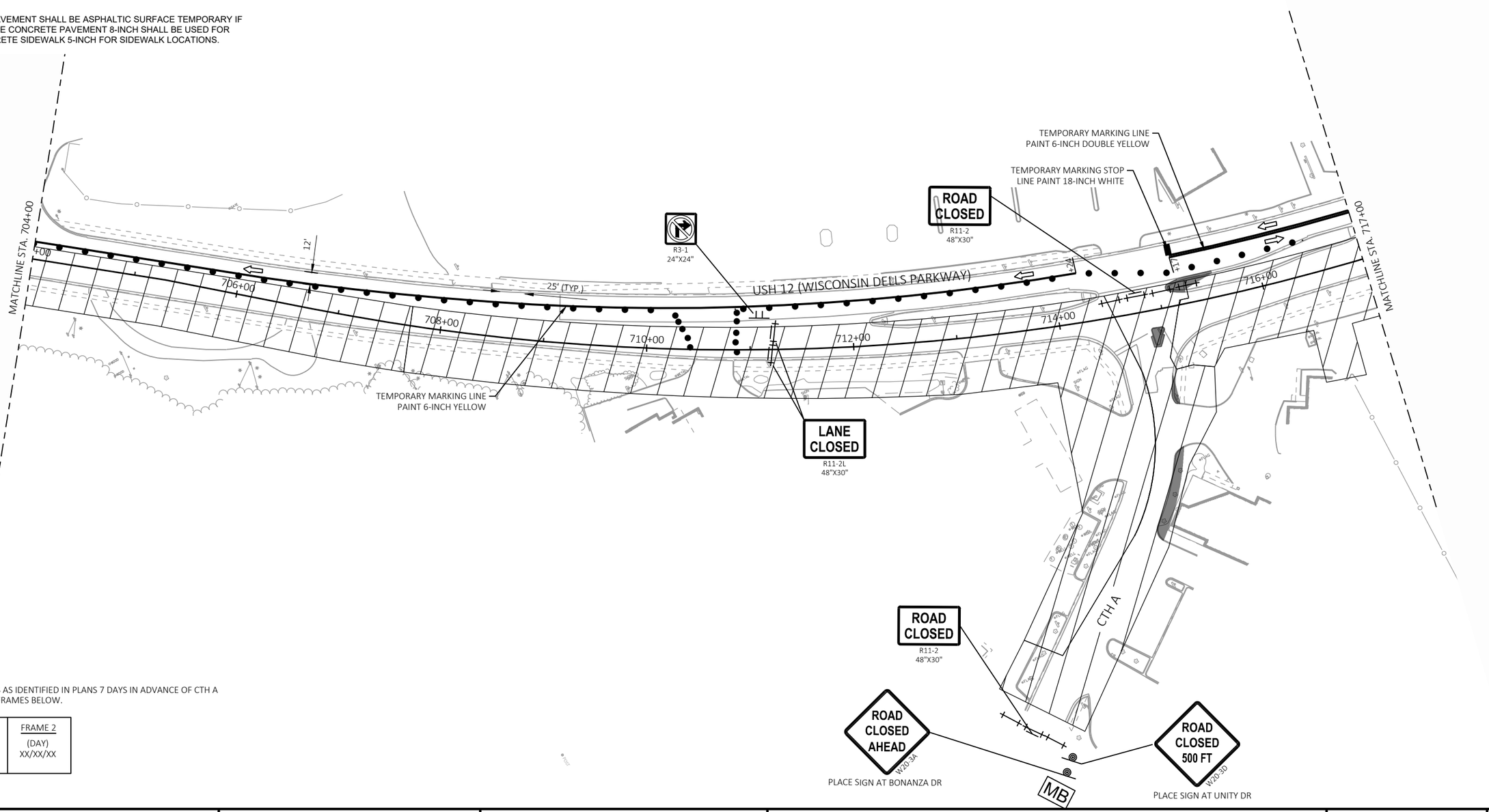
PLOT DATE : 2/11/2026 3:06 PM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- WORK ZONE START LOCATION MARKER
- WORK ZONE END LOCATION MARKER
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- WORK AREA
- DIRECTION OF TRAFFIC
- PORTABLE CHANGEABLE MESSAGE BOARD
- TEMPORARY PAVEMENT (SEE NOTE)
- REMOVING ASPHALTIC SURFACE MILLING

NOTE: TEMPORARY PAVEMENT SHALL BE ASPHALTIC SURFACE TEMPORARY IF AVAILABLE. OTHERWISE CONCRETE PAVEMENT 8-INCH SHALL BE USED FOR WIDENING AND CONCRETE SIDEWALK 5-INCH FOR SIDEWALK LOCATIONS.



NOTE: PLACE PCMS SIGNS AS IDENTIFIED IN PLANS 7 DAYS IN ADVANCE OF CTH A CLOSURE. SEE MESSAGE FRAMES BELOW.

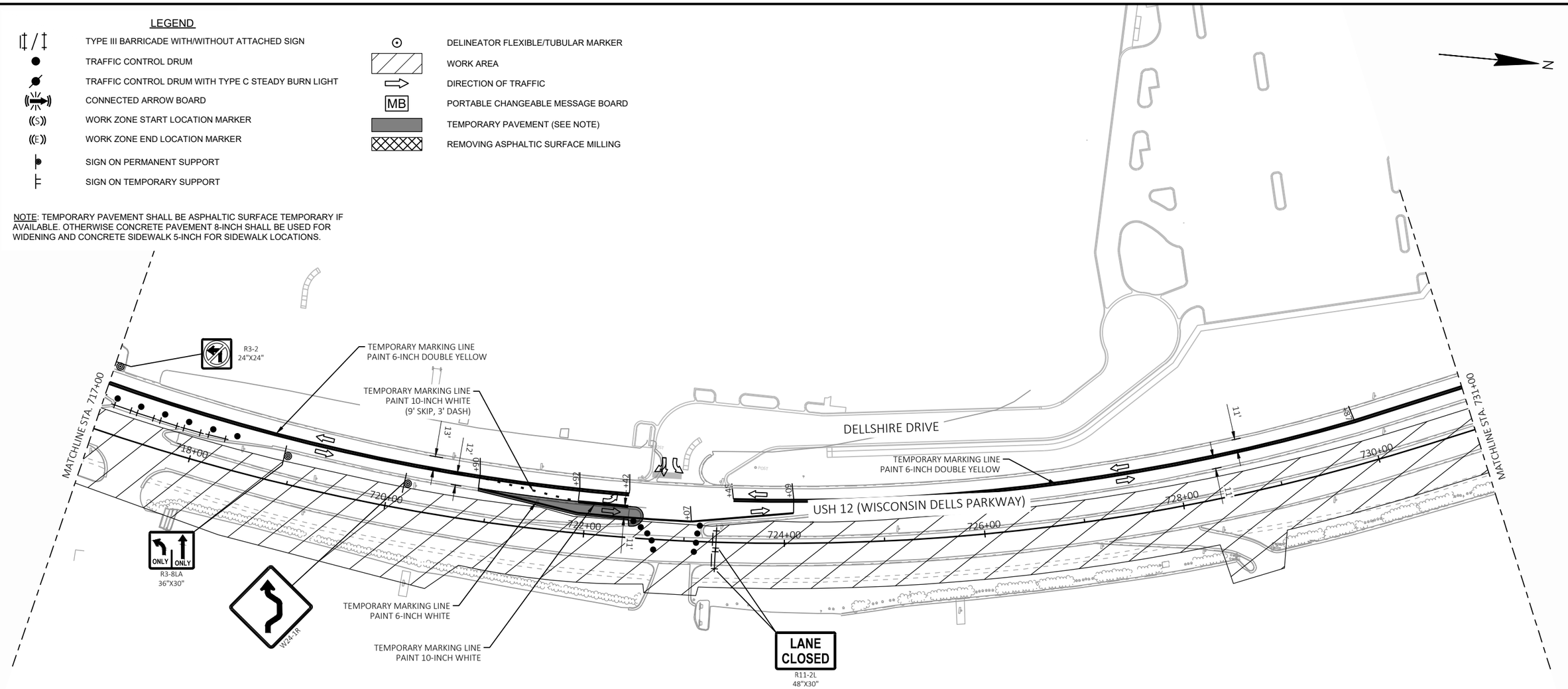
FRAME 1	FRAME 2
ROAD TO CLOSE	(DAY) XX/XX/XX

PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	TRAFFIC CONTROL: STAGE 1B	SHEET 508	E

LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- WORK ZONE START LOCATION MARKER
- WORK ZONE END LOCATION MARKER
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- WORK AREA
- DIRECTION OF TRAFFIC
- PORTABLE CHANGEABLE MESSAGE BOARD
- TEMPORARY PAVEMENT (SEE NOTE)
- REMOVING ASPHALTIC SURFACE MILLING

NOTE: TEMPORARY PAVEMENT SHALL BE ASPHALTIC SURFACE TEMPORARY IF AVAILABLE. OTHERWISE CONCRETE PAVEMENT 8-INCH SHALL BE USED FOR WIDENING AND CONCRETE SIDEWALK 5-INCH FOR SIDEWALK LOCATIONS.

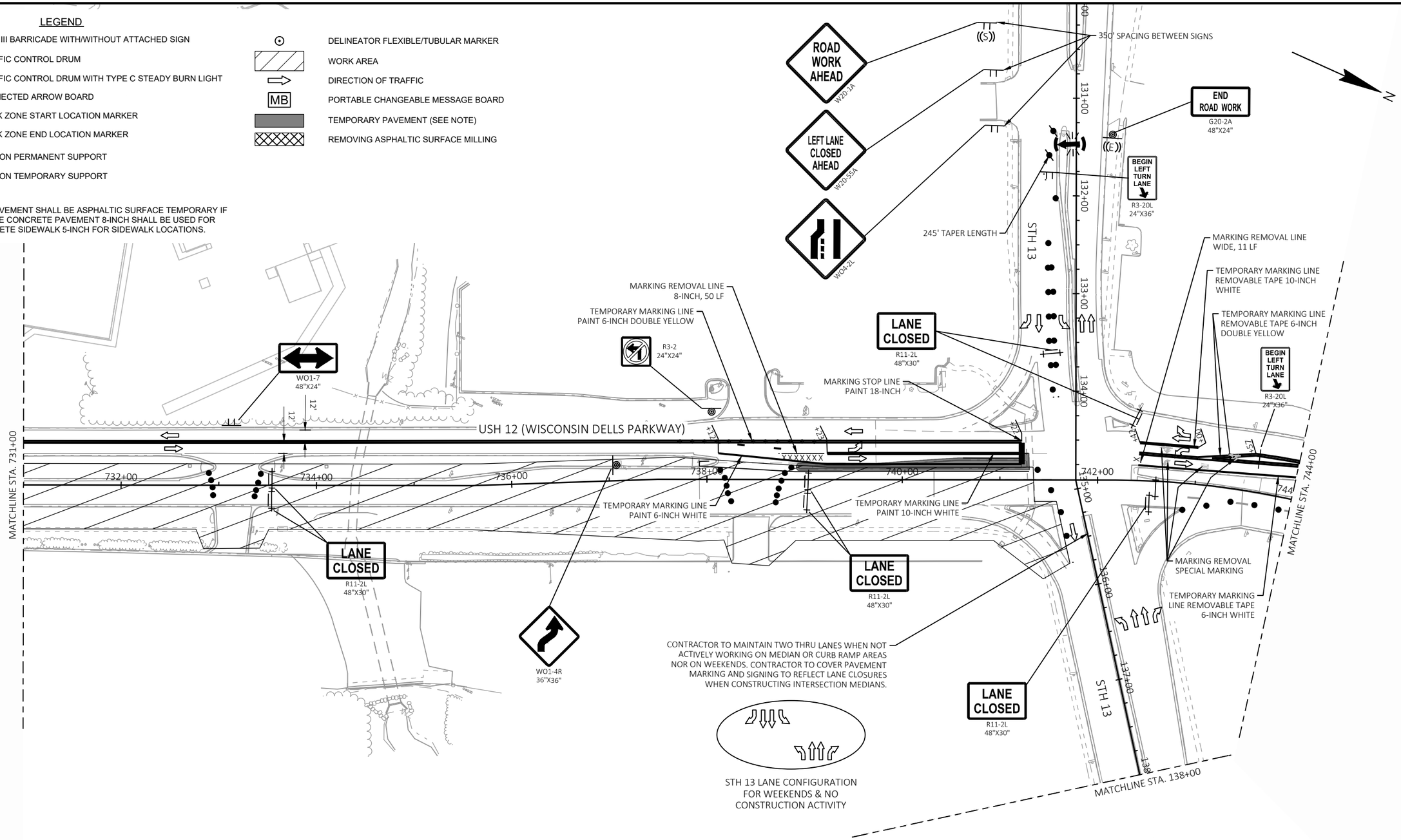


PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	TRAFFIC CONTROL: STAGE 1	SHEET 509	E

LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- WORK ZONE START LOCATION MARKER
- WORK ZONE END LOCATION MARKER
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- WORK AREA
- DIRECTION OF TRAFFIC
- PORTABLE CHANGEABLE MESSAGE BOARD
- TEMPORARY PAVEMENT (SEE NOTE)
- REMOVING ASPHALTIC SURFACE MILLING

NOTE: TEMPORARY PAVEMENT SHALL BE ASPHALTIC SURFACE TEMPORARY IF AVAILABLE. OTHERWISE CONCRETE PAVEMENT 8-INCH SHALL BE USED FOR WIDENING AND CONCRETE SIDEWALK 5-INCH FOR SIDEWALK LOCATIONS.



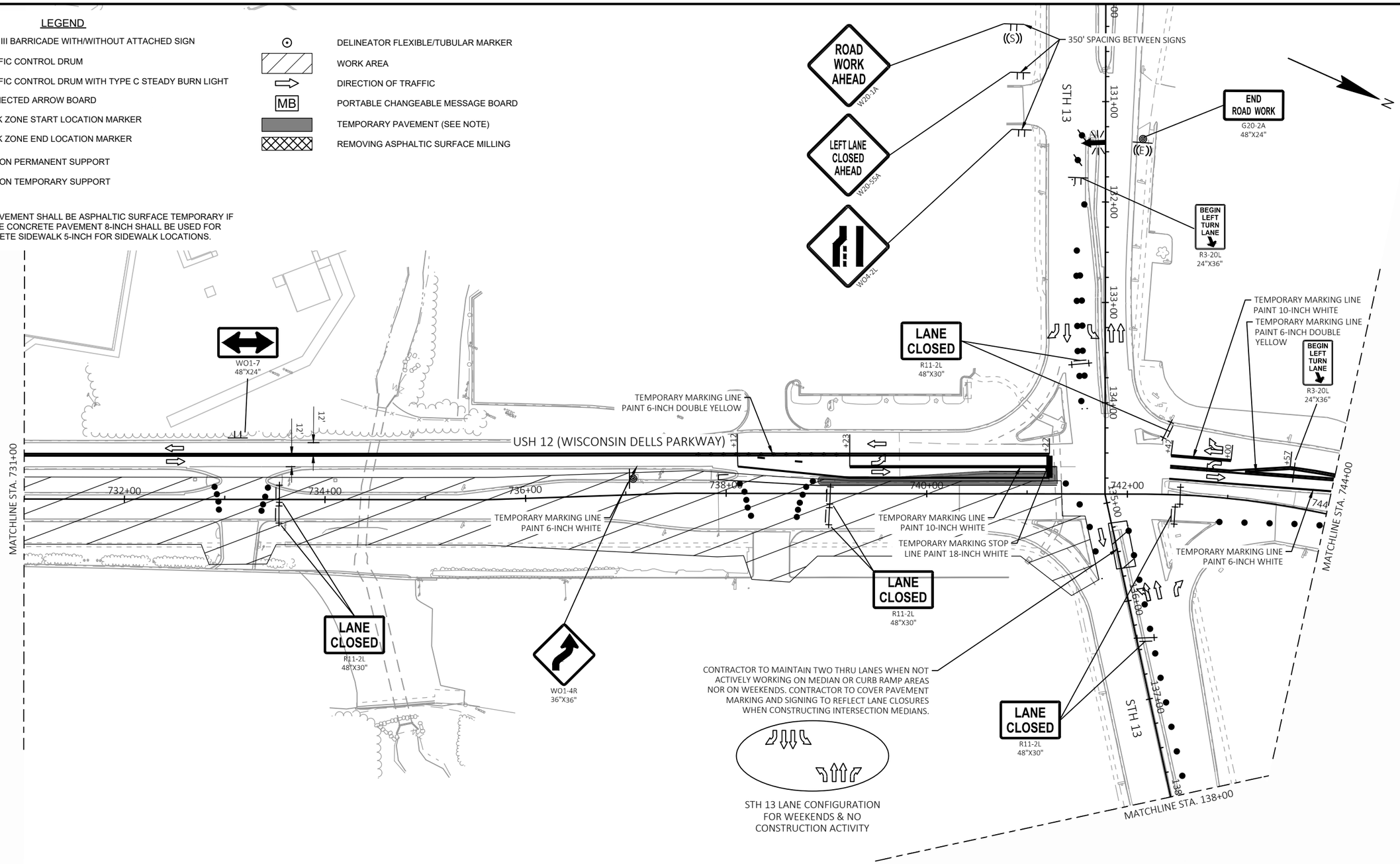
PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	TRAFFIC CONTROL: STAGE 1A	SHEET 510	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\SINGLE LET_ALL IDS\025100_TC_S1.DWG
LAYOUT NAME - 11
PLOT DATE : 2/12/2026 9:46 AM
PLOT BY : CHAPMAN, JULIE
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42

LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- WORK ZONE START LOCATION MARKER
- WORK ZONE END LOCATION MARKER
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- WORK AREA
- DIRECTION OF TRAFFIC
- PORTABLE CHANGEABLE MESSAGE BOARD (MB)
- TEMPORARY PAVEMENT (SEE NOTE)
- REMOVING ASPHALTIC SURFACE MILLING

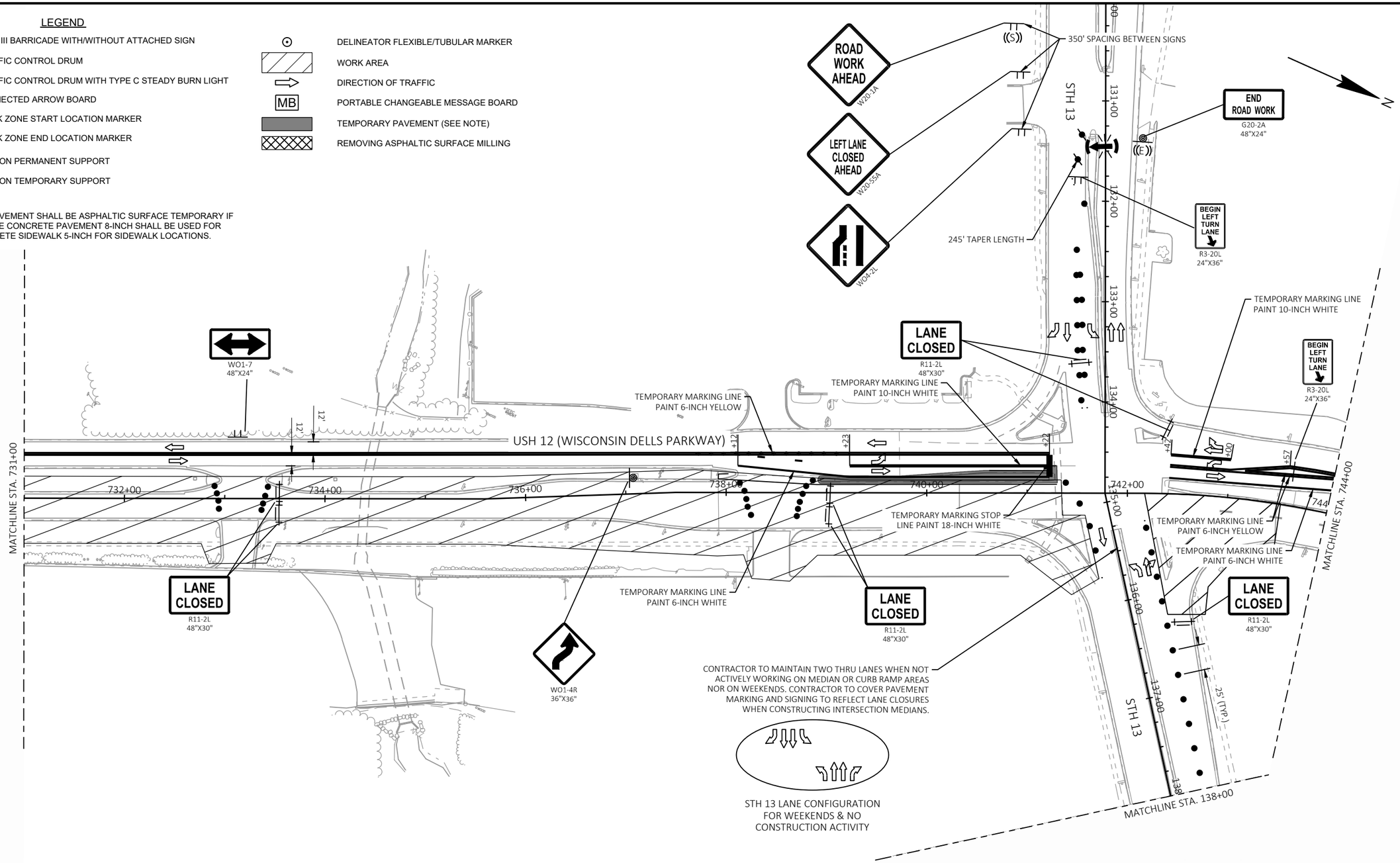
NOTE: TEMPORARY PAVEMENT SHALL BE ASPHALTIC SURFACE TEMPORARY IF AVAILABLE. OTHERWISE CONCRETE PAVEMENT 8-INCH SHALL BE USED FOR WIDENING AND CONCRETE SIDEWALK 5-INCH FOR SIDEWALK LOCATIONS.



LEGEND

TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN	DELINEATOR FLEXIBLE/TUBULAR MARKER
TRAFFIC CONTROL DRUM	WORK AREA
TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT	DIRECTION OF TRAFFIC
CONNECTED ARROW BOARD	PORTABLE CHANGEABLE MESSAGE BOARD
WORK ZONE START LOCATION MARKER	TEMPORARY PAVEMENT (SEE NOTE)
WORK ZONE END LOCATION MARKER	REMOVING ASPHALTIC SURFACE MILLING
SIGN ON PERMANENT SUPPORT	
SIGN ON TEMPORARY SUPPORT	

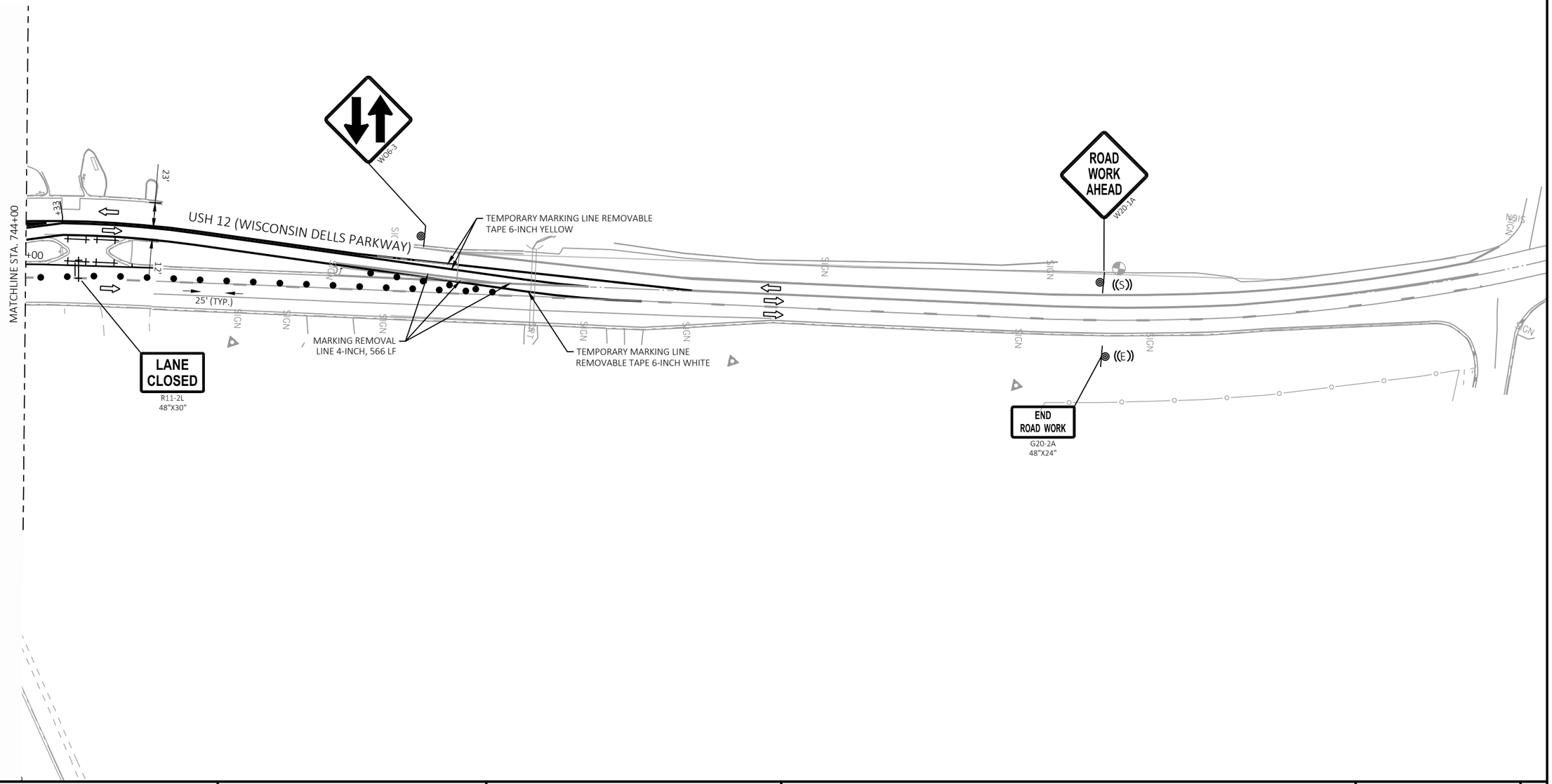
NOTE: TEMPORARY PAVEMENT SHALL BE ASPHALTIC SURFACE TEMPORARY IF AVAILABLE. OTHERWISE CONCRETE PAVEMENT 8-INCH SHALL BE USED FOR WIDENING AND CONCRETE SIDEWALK 5-INCH FOR SIDEWALK LOCATIONS.



LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- WORK ZONE START LOCATION MARKER
- WORK ZONE END LOCATION MARKER
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- WORK AREA
- DIRECTION OF TRAFFIC
- PORTABLE CHANGEABLE MESSAGE BOARD
- TEMPORARY PAVEMENT (SEE NOTE)
- REMOVING ASPHALTIC SURFACE MILLING

NOTE: TEMPORARY PAVEMENT SHALL BE ASPHALTIC SURFACE TEMPORARY IF AVAILABLE. OTHERWISE CONCRETE PAVEMENT 8-INCH SHALL BE USED FOR WIDENING AND CONCRETE SIDEWALK 5-INCH FOR SIDEWALK LOCATIONS.



PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	TRAFFIC CONTROL: STAGE 1	SHEET 513	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\SINGLE LET_ALL IDS\025100_TC_S1.DWG
LAYOUT NAME - 12

PLOT DATE : 2/11/2026 3:08 PM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:100 FT

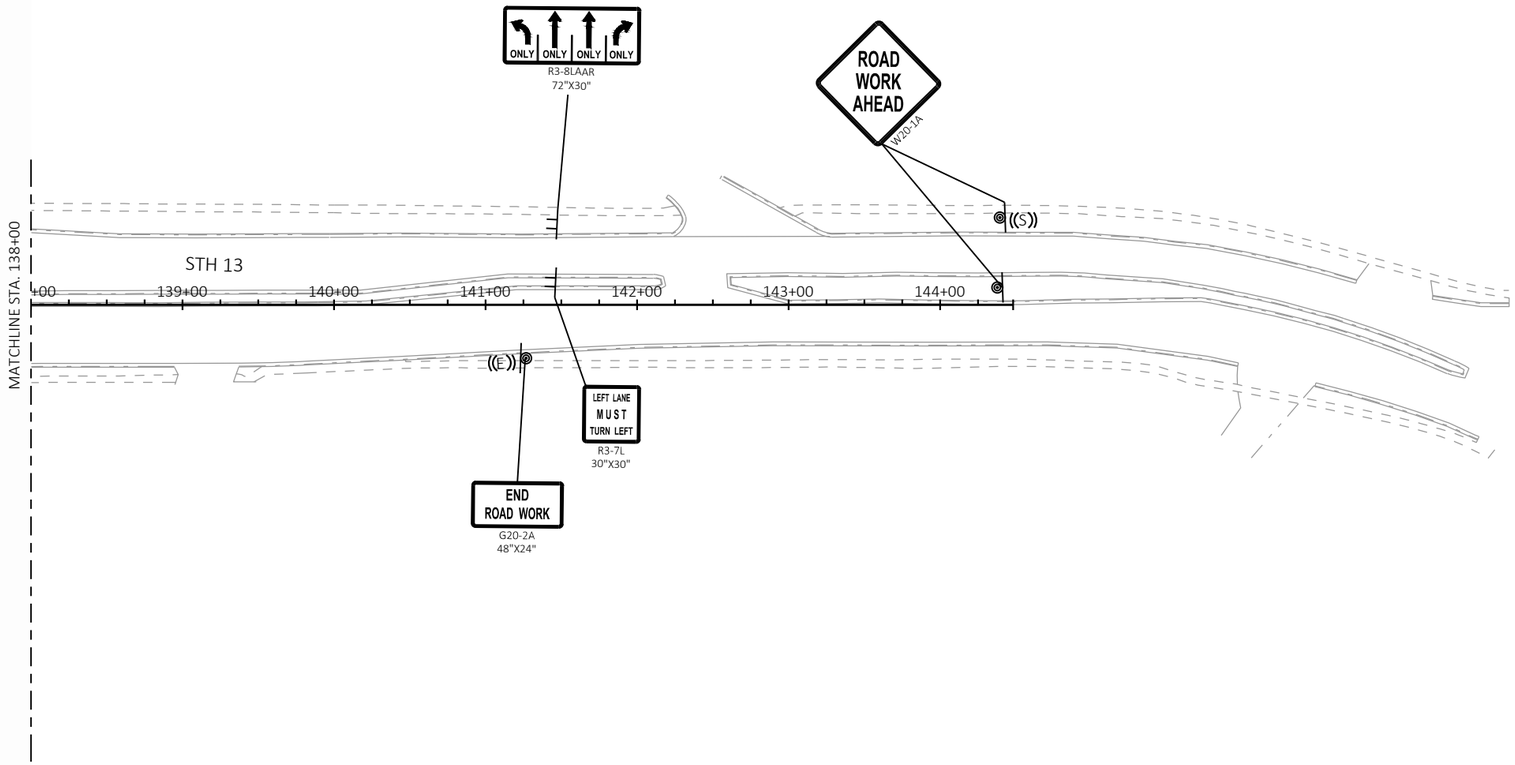
WISDOT/CADDS SHEET 42

2

LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- WORK ZONE START LOCATION MARKER
- WORK ZONE END LOCATION MARKER
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- WORK AREA
- DIRECTION OF TRAFFIC
- PORTABLE CHANGEABLE MESSAGE BOARD (MB)
- TEMPORARY PAVEMENT (SEE NOTE)
- REMOVING ASPHALTIC SURFACE MILLING

NOTE: TEMPORARY PAVEMENT SHALL BE ASPHALTIC SURFACE TEMPORARY IF AVAILABLE. OTHERWISE CONCRETE PAVEMENT 8-INCH SHALL BE USED FOR WIDENING AND CONCRETE SIDEWALK 5-INCH FOR SIDEWALK LOCATIONS.



PROJECT NO: 6145-01-72/73/74	HWY: STH 13	COUNTY: SAUK	TRAFFIC CONTROL: STAGE 1	SHEET 514	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\SINGLE LET_ALL IDS\025100_TC_S1.DWG
LAYOUT NAME - 15

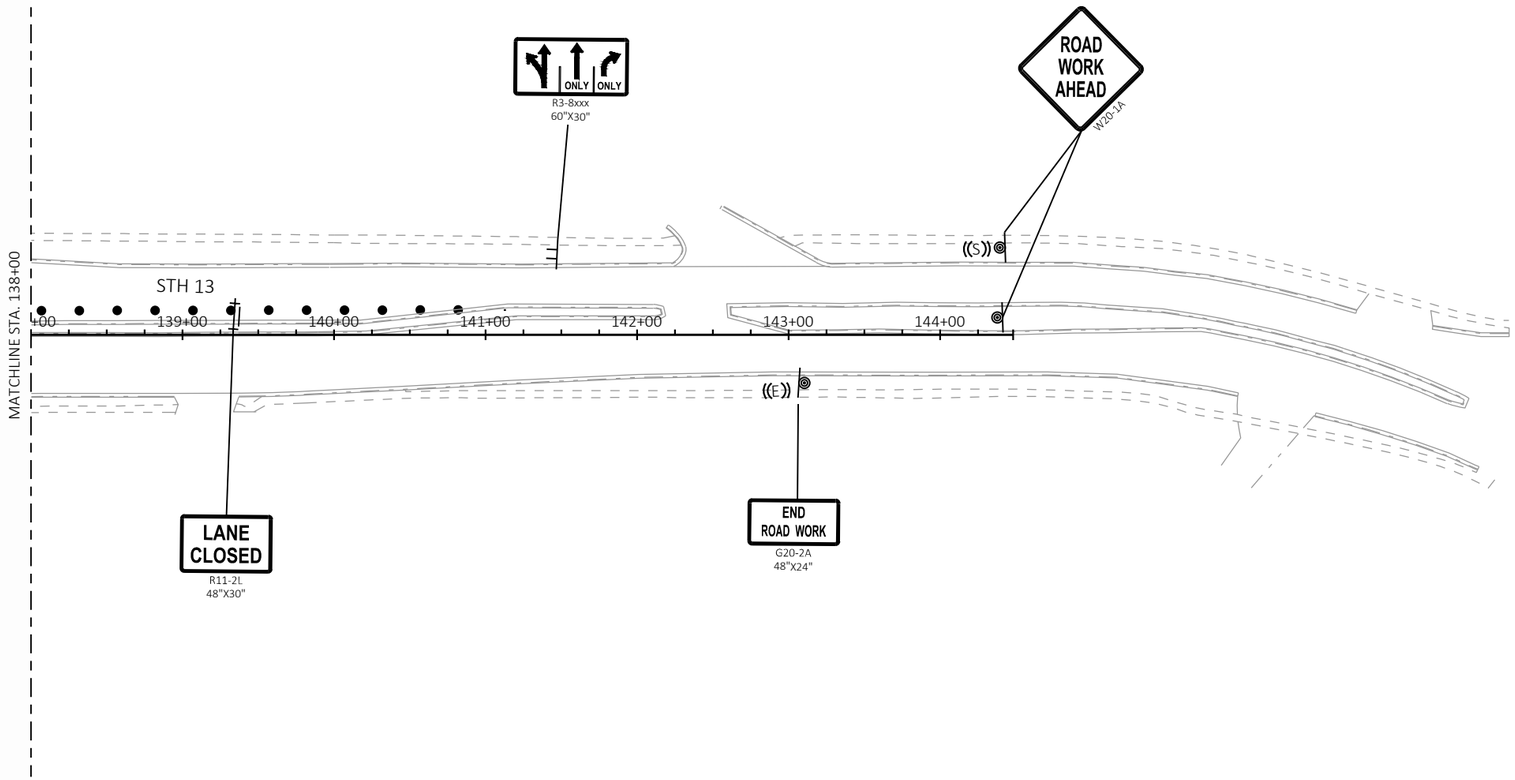
PLOT DATE : 2/11/2026 3:08 PM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

LEGEND

TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN	DELINEATOR FLEXIBLE/TUBULAR MARKER
TRAFFIC CONTROL DRUM	WORK AREA
TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT	DIRECTION OF TRAFFIC
CONNECTED ARROW BOARD	PORTABLE CHANGEABLE MESSAGE BOARD
WORK ZONE START LOCATION MARKER	TEMPORARY PAVEMENT (SEE NOTE)
WORK ZONE END LOCATION MARKER	REMOVING ASPHALTIC SURFACE MILLING
SIGN ON PERMANENT SUPPORT	
SIGN ON TEMPORARY SUPPORT	

NOTE: TEMPORARY PAVEMENT SHALL BE ASPHALTIC SURFACE TEMPORARY IF AVAILABLE. OTHERWISE CONCRETE PAVEMENT 8-INCH SHALL BE USED FOR WIDENING AND CONCRETE SIDEWALK 5-INCH FOR SIDEWALK LOCATIONS.



PROJECT NO: 6145-01-72/73/74	HWY: STH 13	COUNTY: SAUK	TRAFFIC CONTROL: STAGE 1B	SHEET 515	E

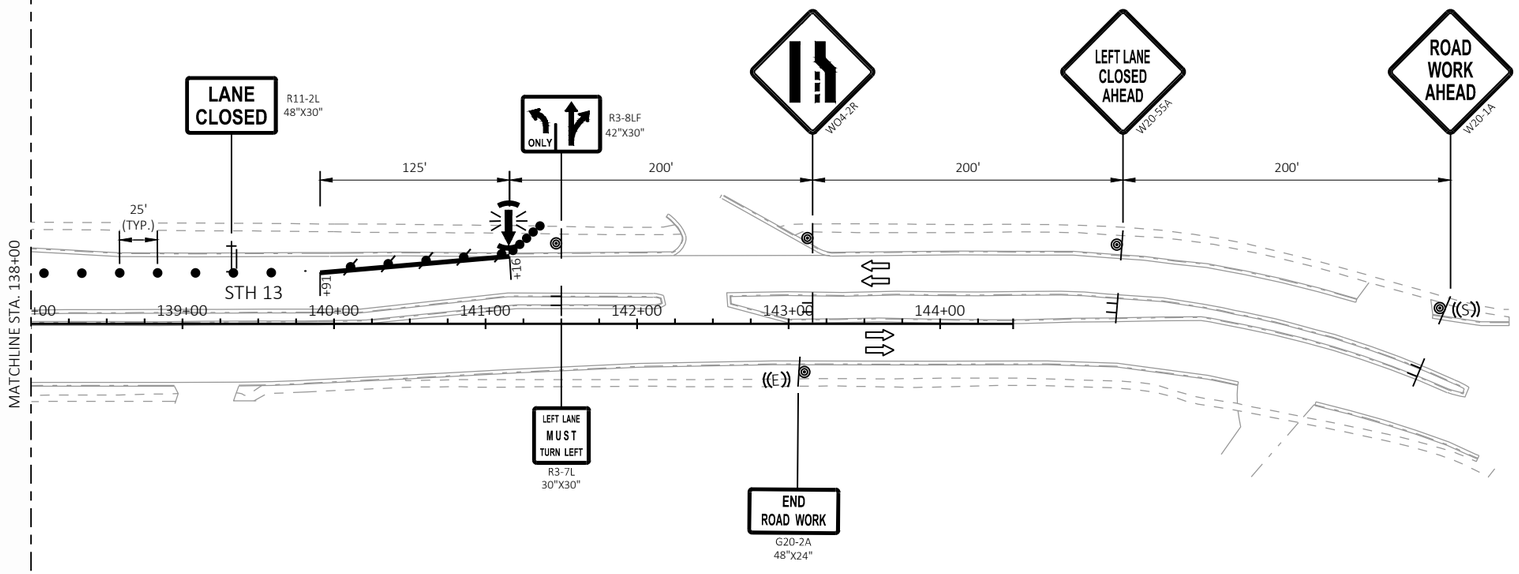
FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\SINGLE LET_ALL IDS\025100_TC_S1B.DWG
LAYOUT NAME - 15B

PLOT DATE : 3/26/2026 9:28 AM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:100 FT

LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- WORK ZONE START LOCATION MARKER
- WORK ZONE END LOCATION MARKER
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- WORK AREA
- DIRECTION OF TRAFFIC
- PORTABLE CHANGEABLE MESSAGE BOARD
- TEMPORARY PAVEMENT (SEE NOTE)
- REMOVING ASPHALTIC SURFACE MILLING

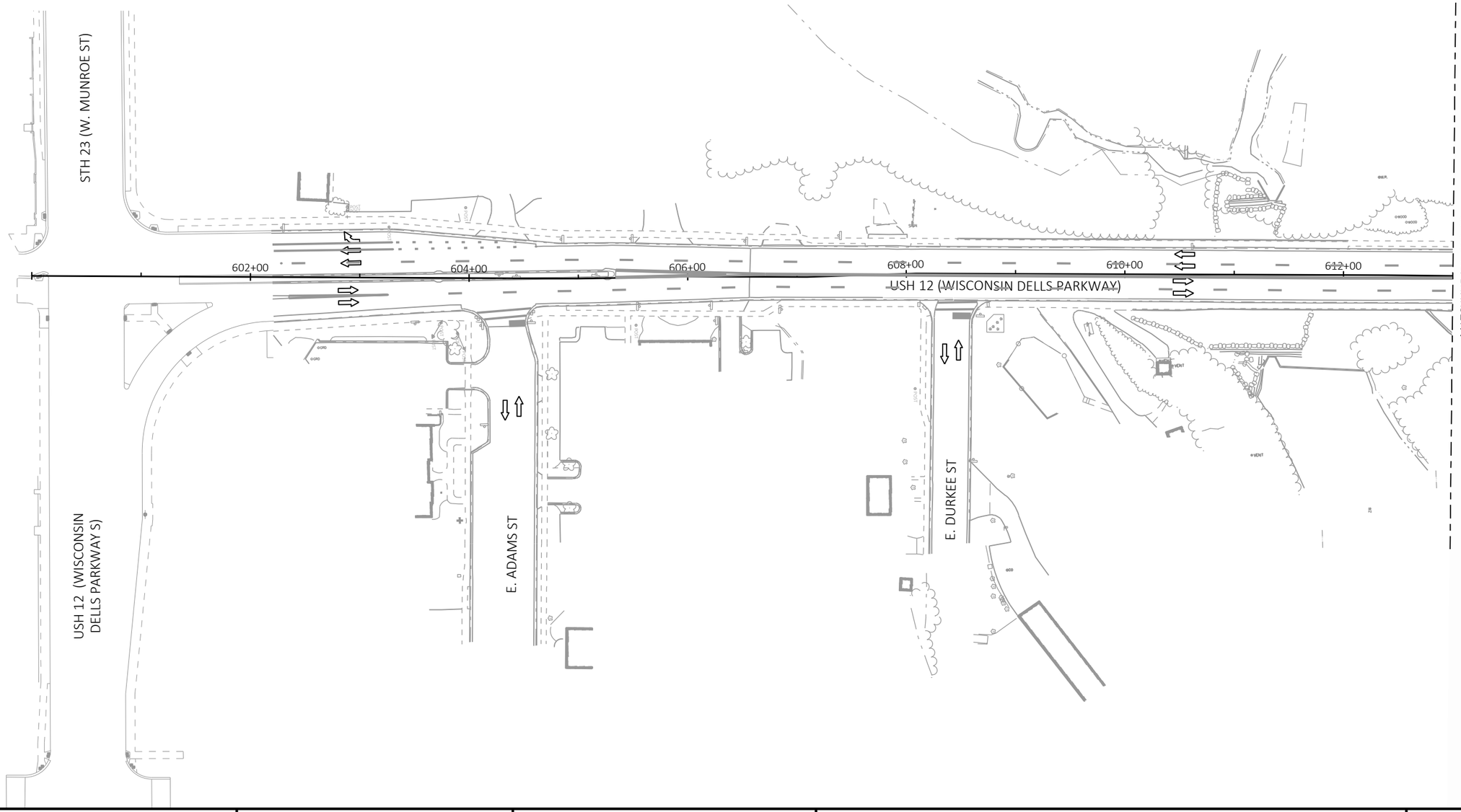
NOTE: TEMPORARY PAVEMENT SHALL BE ASPHALTIC SURFACE TEMPORARY IF AVAILABLE. OTHERWISE CONCRETE PAVEMENT 8-INCH SHALL BE USED FOR WIDENING AND CONCRETE SIDEWALK 5-INCH FOR SIDEWALK LOCATIONS.



LEGEND

- DELINEATOR FLEXIBLE/TUBULAR MARKER
- WORK AREA
- DIRECTION OF TRAFFIC
- TEMPORARY PAVEMENT (SEE NOTE)
- REMOVING ASPHALTIC SURFACE MILLING
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- CHANNELIZING CURB SYSTEM

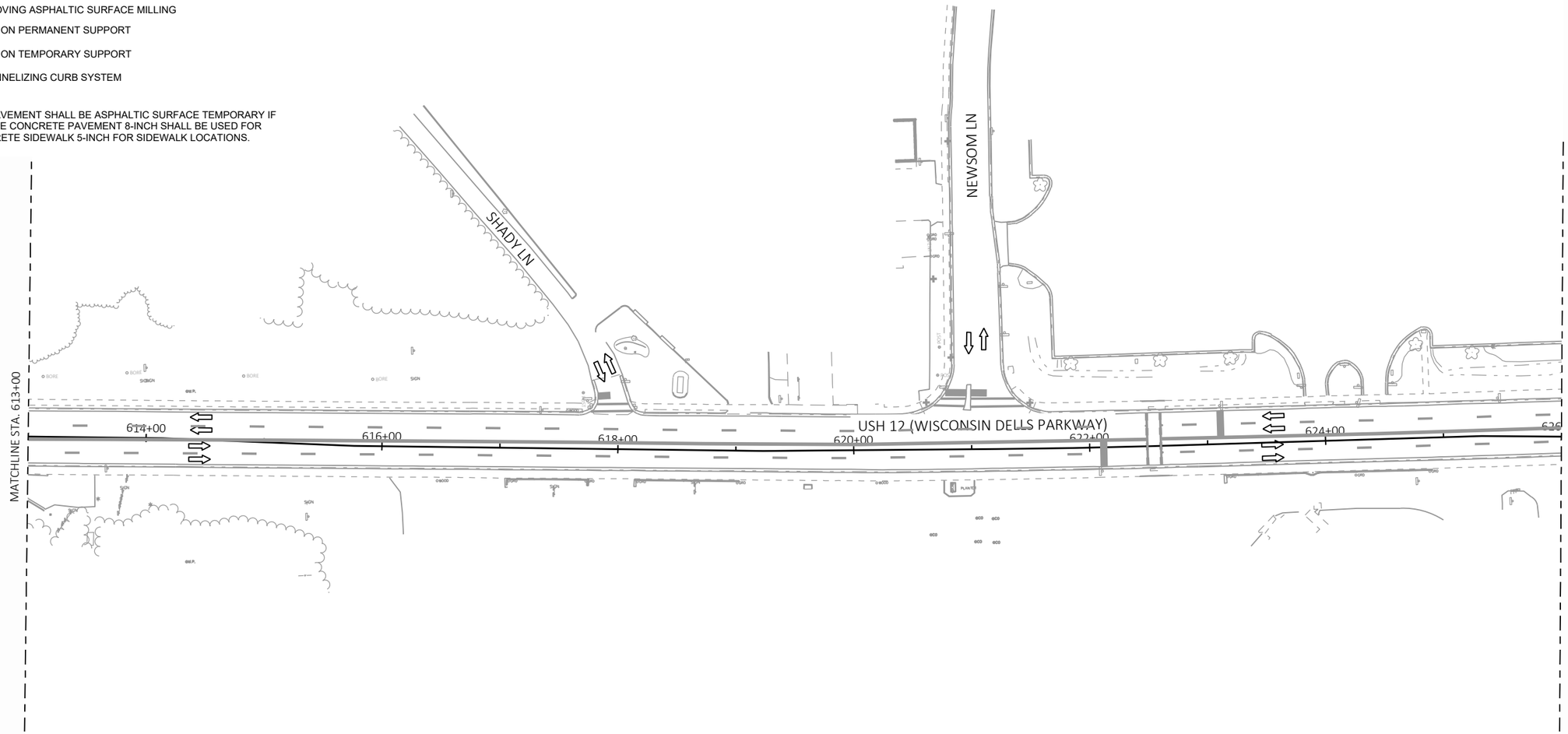
NOTE: TEMPORARY PAVEMENT SHALL BE ASPHALTIC SURFACE TEMPORARY IF AVAILABLE. OTHERWISE CONCRETE PAVEMENT 8-INCH SHALL BE USED FOR WIDENING AND CONCRETE SIDEWALK 5-INCH FOR SIDEWALK LOCATIONS.



LEGEND

- DELINEATOR FLEXIBLE/TUBULAR MARKER
- WORK AREA
- DIRECTION OF TRAFFIC
- TEMPORARY PAVEMENT (SEE NOTE)
- REMOVING ASPHALTIC SURFACE MILLING
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- CHANNELIZING CURB SYSTEM

NOTE: TEMPORARY PAVEMENT SHALL BE ASPHALTIC SURFACE TEMPORARY IF AVAILABLE. OTHERWISE CONCRETE PAVEMENT 8-INCH SHALL BE USED FOR WIDENING AND CONCRETE SIDEWALK 5-INCH FOR SIDEWALK LOCATIONS.



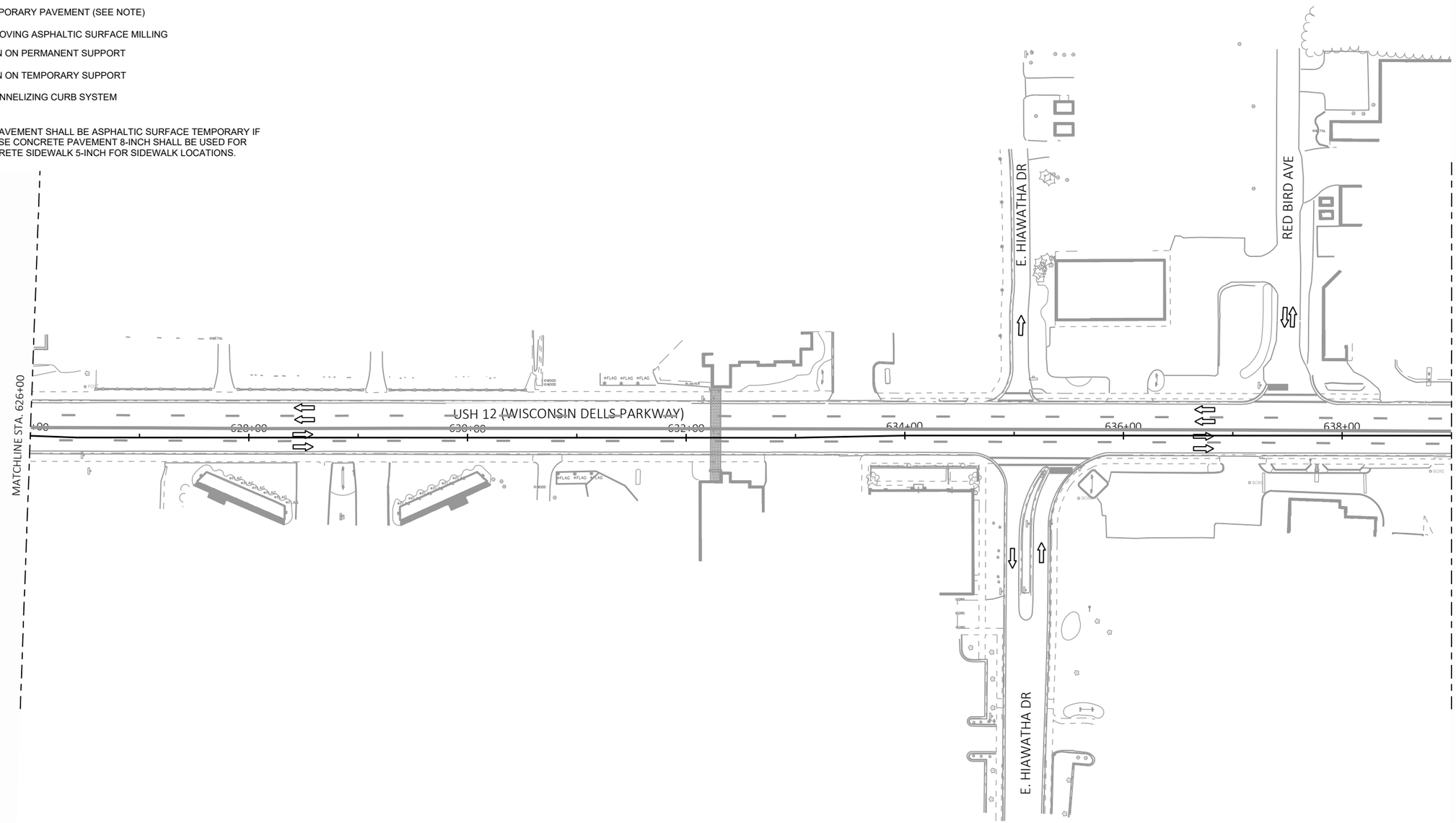
2

PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	TRAFFIC CONTROL: POST STAGE 1	SHEET 518	E

LEGEND

- DELINEATOR FLEXIBLE/TUBULAR MARKER
- WORK AREA
- DIRECTION OF TRAFFIC
- TEMPORARY PAVEMENT (SEE NOTE)
- REMOVING ASPHALTIC SURFACE MILLING
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- CHANNELIZING CURB SYSTEM

NOTE: TEMPORARY PAVEMENT SHALL BE ASPHALTIC SURFACE TEMPORARY IF AVAILABLE. OTHERWISE CONCRETE PAVEMENT 8-INCH SHALL BE USED FOR WIDENING AND CONCRETE SIDEWALK 5-INCH FOR SIDEWALK LOCATIONS.



2

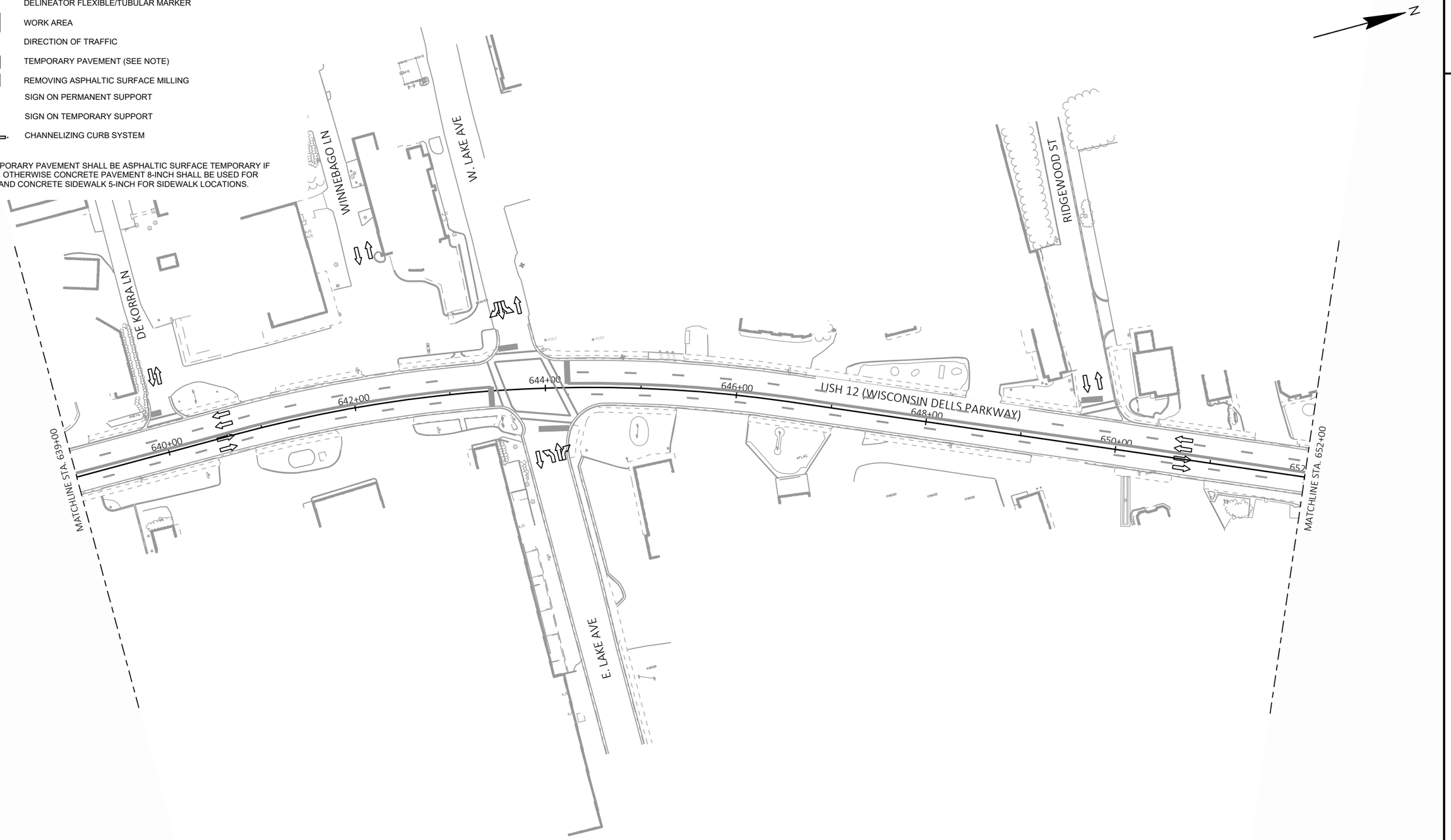
PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	TRAFFIC CONTROL: POST STAGE 1	SHEET 519	E

2

LEGEND

- DELINEATOR FLEXIBLE/TUBULAR MARKER
- WORK AREA
- DIRECTION OF TRAFFIC
- TEMPORARY PAVEMENT (SEE NOTE)
- REMOVING ASPHALTIC SURFACE MILLING
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- CHANNELIZING CURB SYSTEM

NOTE: TEMPORARY PAVEMENT SHALL BE ASPHALTIC SURFACE TEMPORARY IF AVAILABLE. OTHERWISE CONCRETE PAVEMENT 8-INCH SHALL BE USED FOR WIDENING AND CONCRETE SIDEWALK 5-INCH FOR SIDEWALK LOCATIONS.



2

PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	TRAFFIC CONTROL: POST STAGE 1	SHEET 520	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\SINGLE LET_ALL IDS\025100_TC_S1_SUMMER.DWG
LAYOUT NAME - 04

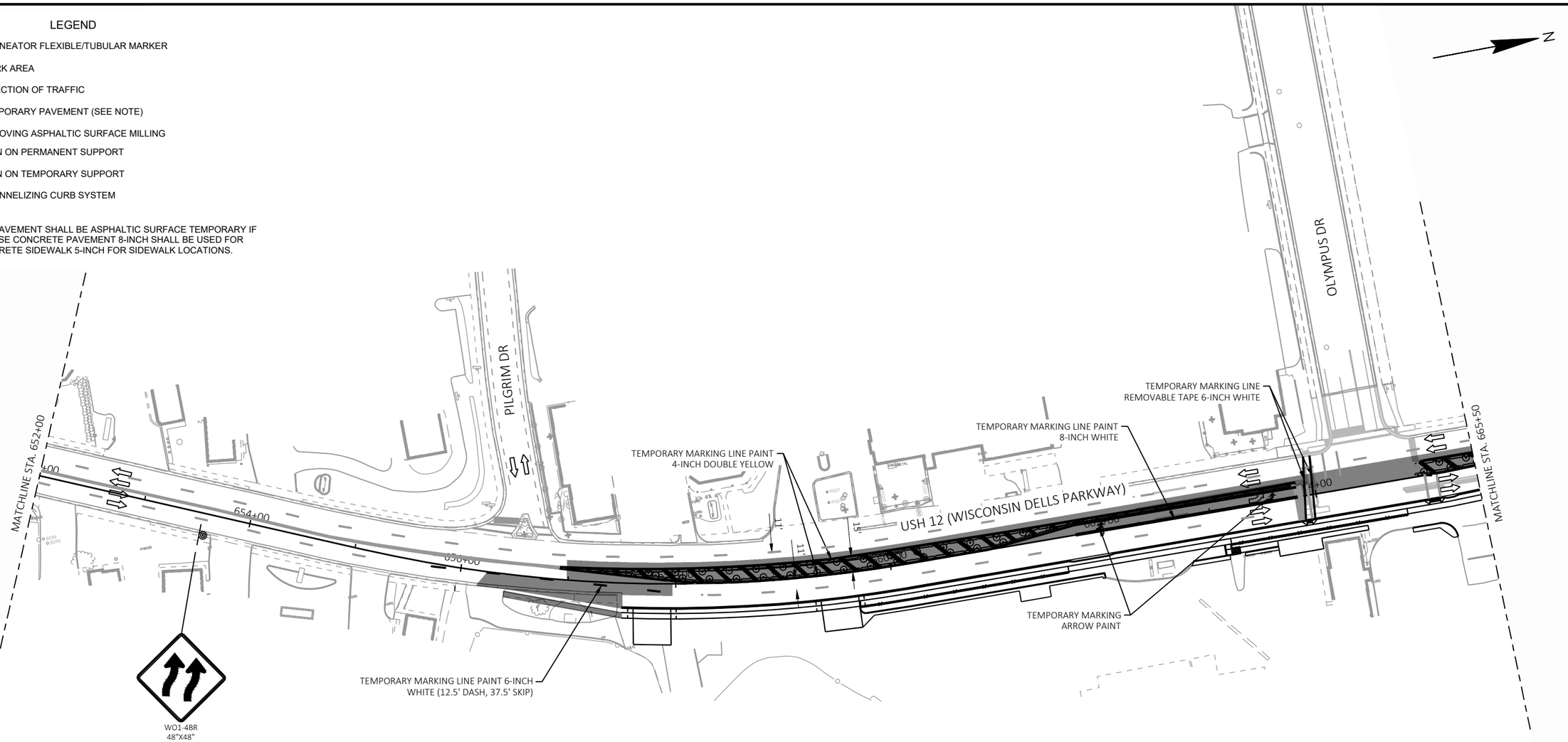
PLOT DATE : 2/11/2026 3:09 PM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

LEGEND

- DELINEATOR FLEXIBLE/TUBULAR MARKER
- WORK AREA
- DIRECTION OF TRAFFIC
- TEMPORARY PAVEMENT (SEE NOTE)
- REMOVING ASPHALTIC SURFACE MILLING
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- CHANNELIZING CURB SYSTEM

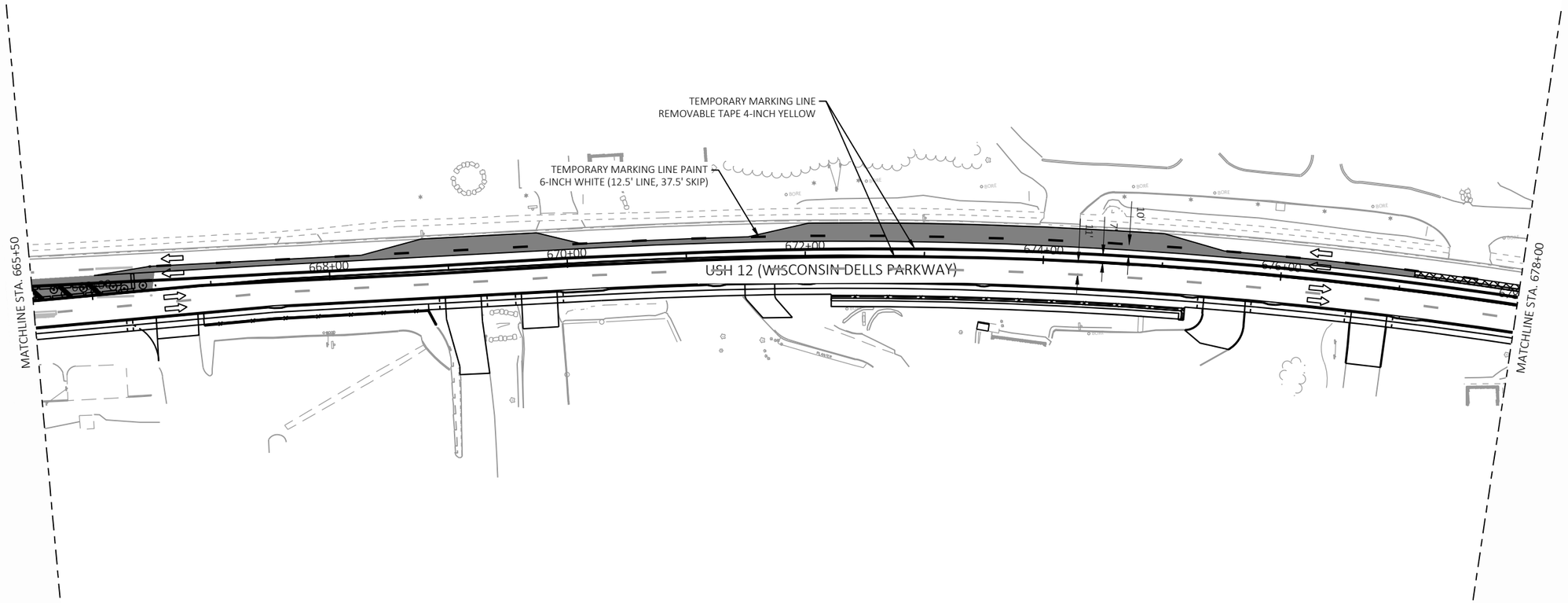
NOTE: TEMPORARY PAVEMENT SHALL BE ASPHALTIC SURFACE TEMPORARY IF AVAILABLE. OTHERWISE CONCRETE PAVEMENT 8-INCH SHALL BE USED FOR WIDENING AND CONCRETE SIDEWALK 5-INCH FOR SIDEWALK LOCATIONS.



LEGEND

- DELINEATOR FLEXIBLE/TUBULAR MARKER
- WORK AREA
- DIRECTION OF TRAFFIC
- TEMPORARY PAVEMENT (SEE NOTE)
- REMOVING ASPHALTIC SURFACE MILLING
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- CHANNELIZING CURB SYSTEM

NOTE: TEMPORARY PAVEMENT SHALL BE ASPHALTIC SURFACE TEMPORARY IF AVAILABLE. OTHERWISE CONCRETE PAVEMENT 8-INCH SHALL BE USED FOR WIDENING AND CONCRETE SIDEWALK 5-INCH FOR SIDEWALK LOCATIONS.



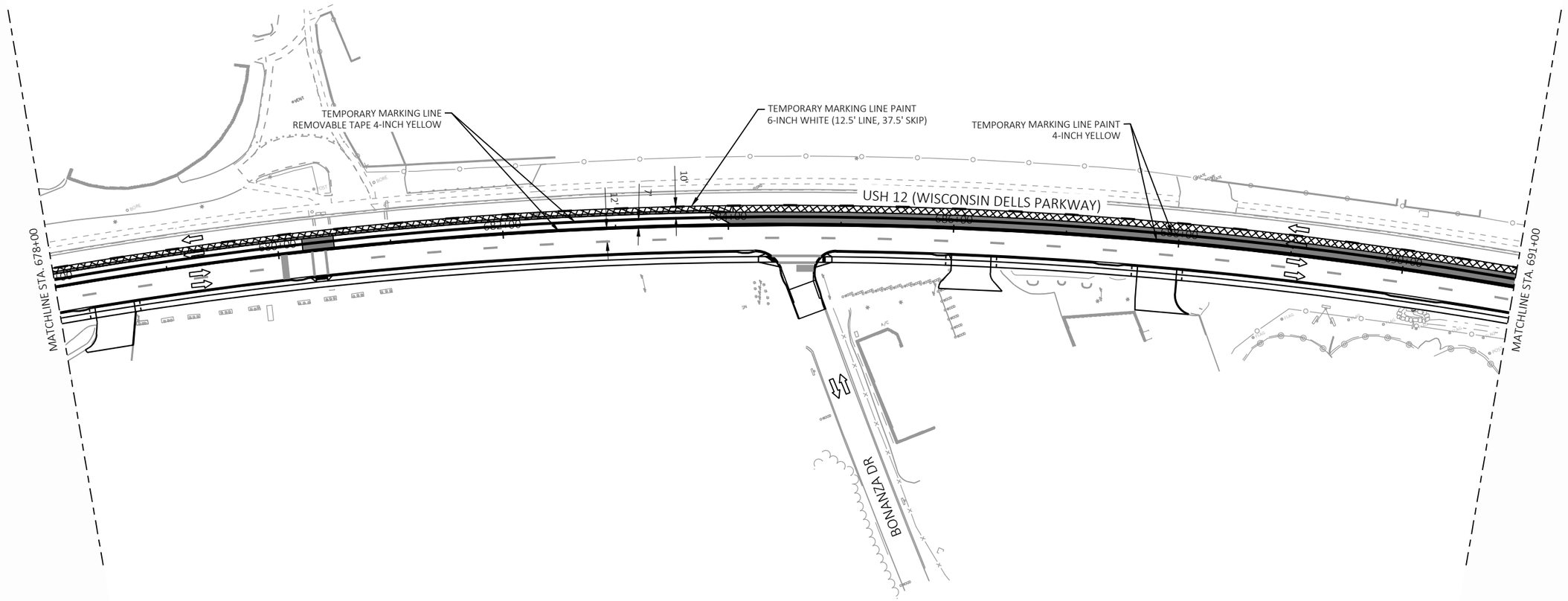
2

PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	TRAFFIC CONTROL: POST STAGE 1	SHEET 522	E

LEGEND

- DELINEATOR FLEXIBLE/TUBULAR MARKER
- WORK AREA
- DIRECTION OF TRAFFIC
- TEMPORARY PAVEMENT (SEE NOTE)
- REMOVING ASPHALTIC SURFACE MILLING
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- CHANNELIZING CURB SYSTEM

NOTE: TEMPORARY PAVEMENT SHALL BE ASPHALTIC SURFACE TEMPORARY IF AVAILABLE. OTHERWISE CONCRETE PAVEMENT 8-INCH SHALL BE USED FOR WIDENING AND CONCRETE SIDEWALK 5-INCH FOR SIDEWALK LOCATIONS.

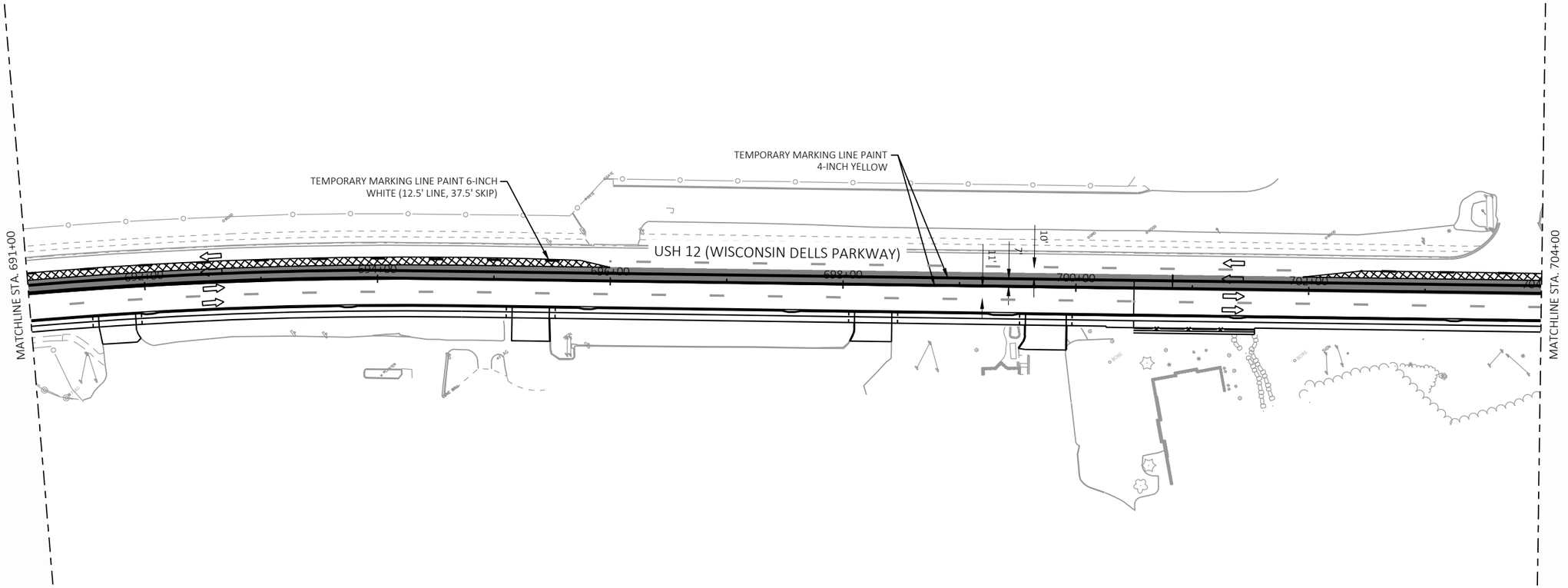


2

LEGEND

- DELINEATOR FLEXIBLE/TUBULAR MARKER
- WORK AREA
- DIRECTION OF TRAFFIC
- TEMPORARY PAVEMENT (SEE NOTE)
- REMOVING ASPHALTIC SURFACE MILLING
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- CHANNELIZING CURB SYSTEM

NOTE: TEMPORARY PAVEMENT SHALL BE ASPHALTIC SURFACE TEMPORARY IF AVAILABLE. OTHERWISE CONCRETE PAVEMENT 8-INCH SHALL BE USED FOR WIDENING AND CONCRETE SIDEWALK 5-INCH FOR SIDEWALK LOCATIONS.

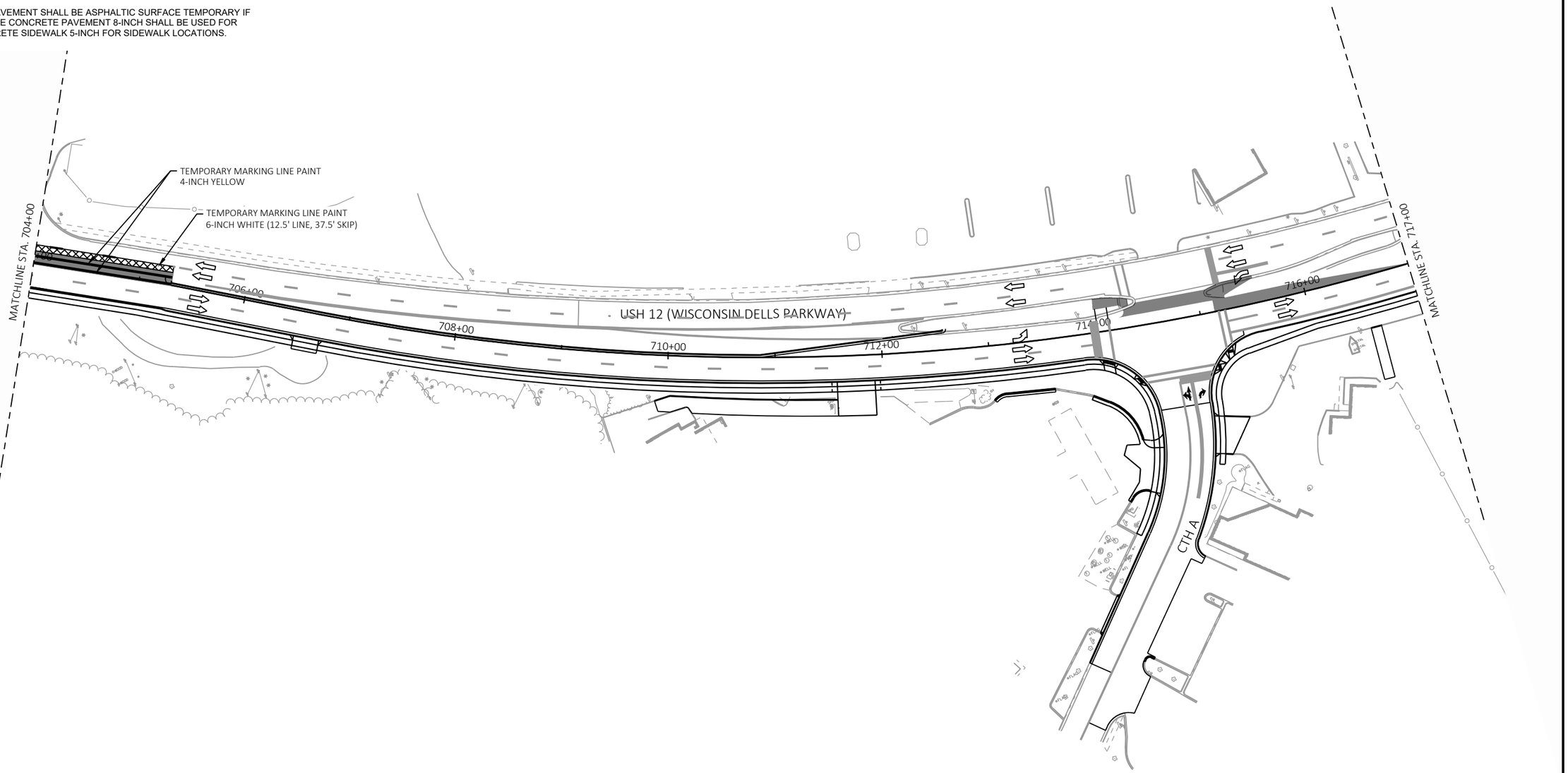


PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	TRAFFIC CONTROL: POST STAGE 1	SHEET 524	E

LEGEND

- DELINEATOR FLEXIBLE/TUBULAR MARKER
- WORK AREA
- DIRECTION OF TRAFFIC
- TEMPORARY PAVEMENT (SEE NOTE)
- REMOVING ASPHALTIC SURFACE MILLING
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- CHANNELIZING CURB SYSTEM

NOTE: TEMPORARY PAVEMENT SHALL BE ASPHALTIC SURFACE TEMPORARY IF AVAILABLE. OTHERWISE CONCRETE PAVEMENT 8-INCH SHALL BE USED FOR WIDENING AND CONCRETE SIDEWALK 5-INCH FOR SIDEWALK LOCATIONS.



2

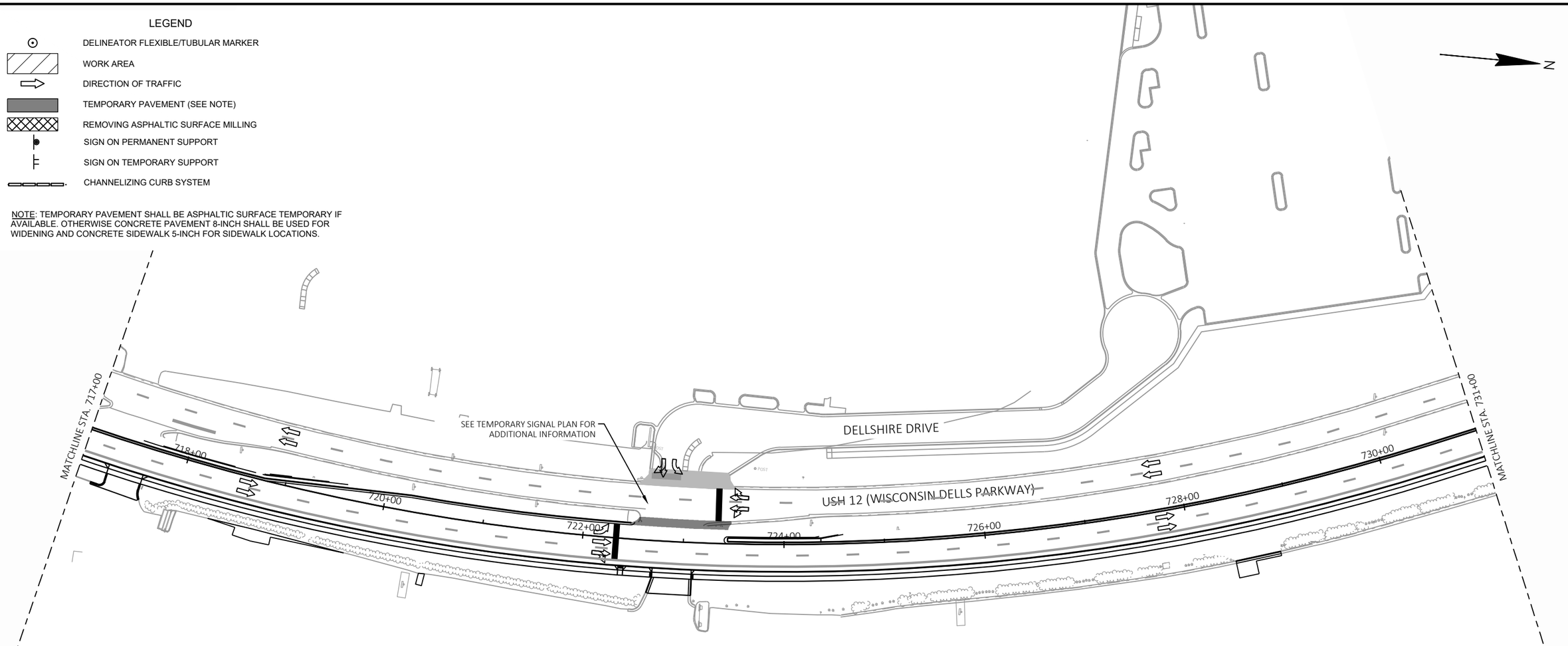
PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	TRAFFIC CONTROL: POST STAGE 1	SHEET 525	E

2

LEGEND

- DELINEATOR FLEXIBLE/TUBULAR MARKER
- WORK AREA
- DIRECTION OF TRAFFIC
- TEMPORARY PAVEMENT (SEE NOTE)
- REMOVING ASPHALTIC SURFACE MILLING
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- CHANNELIZING CURB SYSTEM

NOTE: TEMPORARY PAVEMENT SHALL BE ASPHALTIC SURFACE TEMPORARY IF AVAILABLE. OTHERWISE CONCRETE PAVEMENT 8-INCH SHALL BE USED FOR WIDENING AND CONCRETE SIDEWALK 5-INCH FOR SIDEWALK LOCATIONS.



2

PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	TRAFFIC CONTROL: POST STAGE 1	SHEET 526	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\SINGLE LET_ALL IDS\025100_TC_S1_SUMMER.DWG
LAYOUT NAME - 10

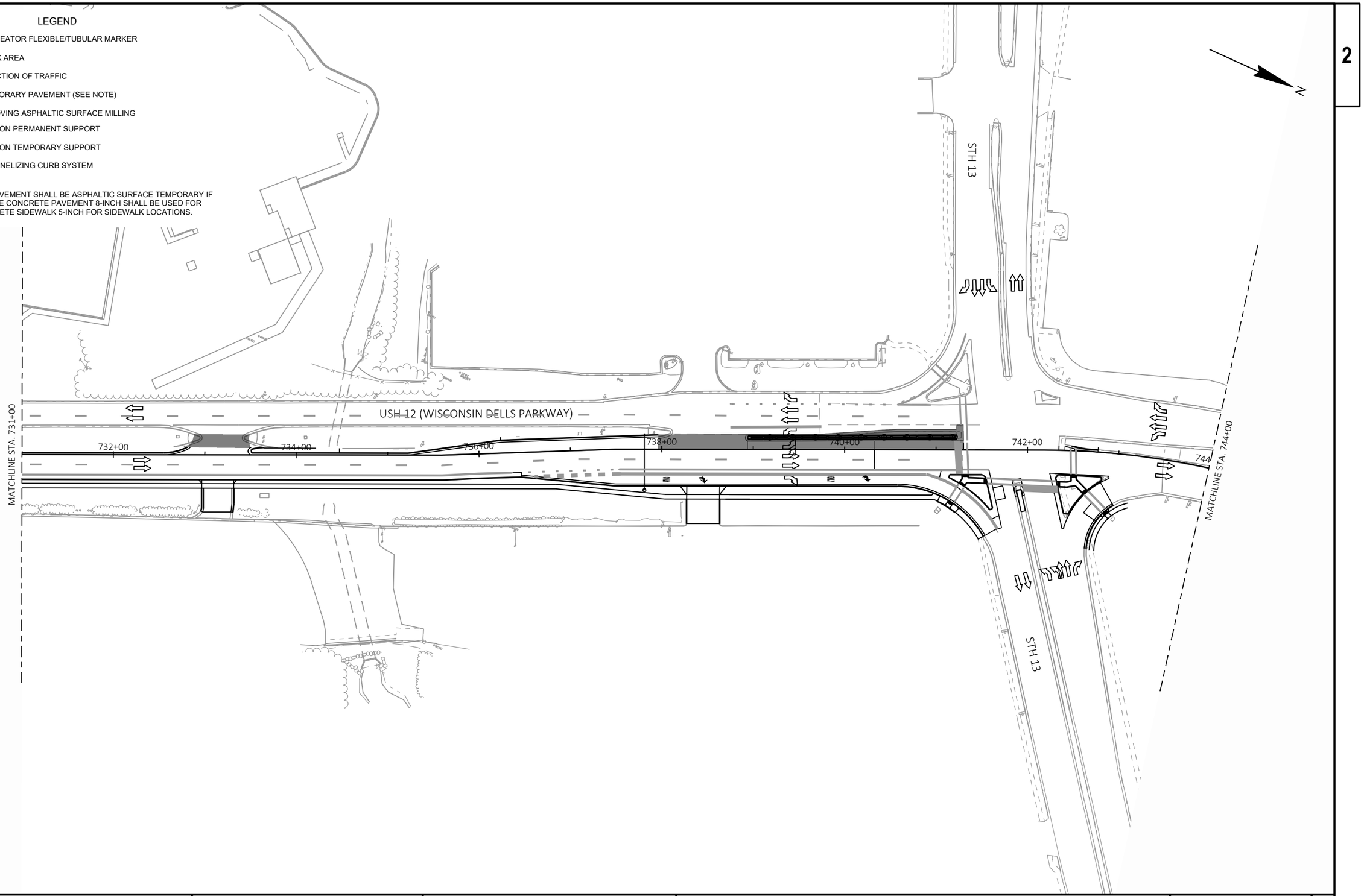
PLOT DATE : 2/11/2026 3:10 PM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

LEGEND

- DELINEATOR FLEXIBLE/TUBULAR MARKER
- WORK AREA
- DIRECTION OF TRAFFIC
- TEMPORARY PAVEMENT (SEE NOTE)
- REMOVING ASPHALTIC SURFACE MILLING
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- CHANNELIZING CURB SYSTEM

NOTE: TEMPORARY PAVEMENT SHALL BE ASPHALTIC SURFACE TEMPORARY IF AVAILABLE. OTHERWISE CONCRETE PAVEMENT 8-INCH SHALL BE USED FOR WIDENING AND CONCRETE SIDEWALK 5-INCH FOR SIDEWALK LOCATIONS.



2

PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	TRAFFIC CONTROL: POST STAGE 1	SHEET 527	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\SINGLE LET_ALL IDS\025100_TC_S1_SUMMER.DWG
LAYOUT NAME - 11

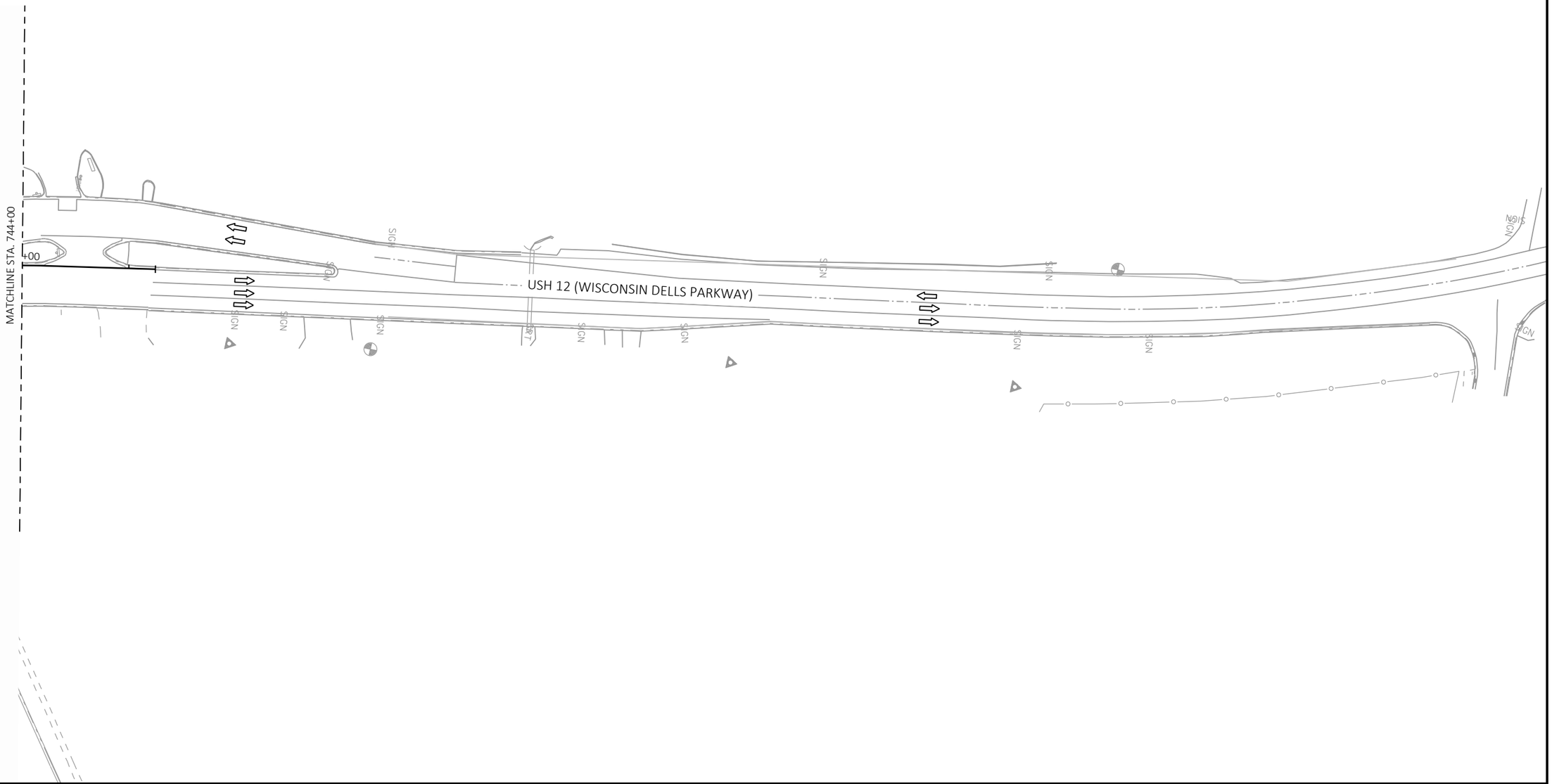
PLOT DATE : 2/11/2026 3:10 PM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

LEGEND

- DELINEATOR FLEXIBLE/TUBULAR MARKER
- WORK AREA
- DIRECTION OF TRAFFIC
- TEMPORARY PAVEMENT (SEE NOTE)
- REMOVING ASPHALTIC SURFACE MILLING
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- CHANNELIZING CURB SYSTEM

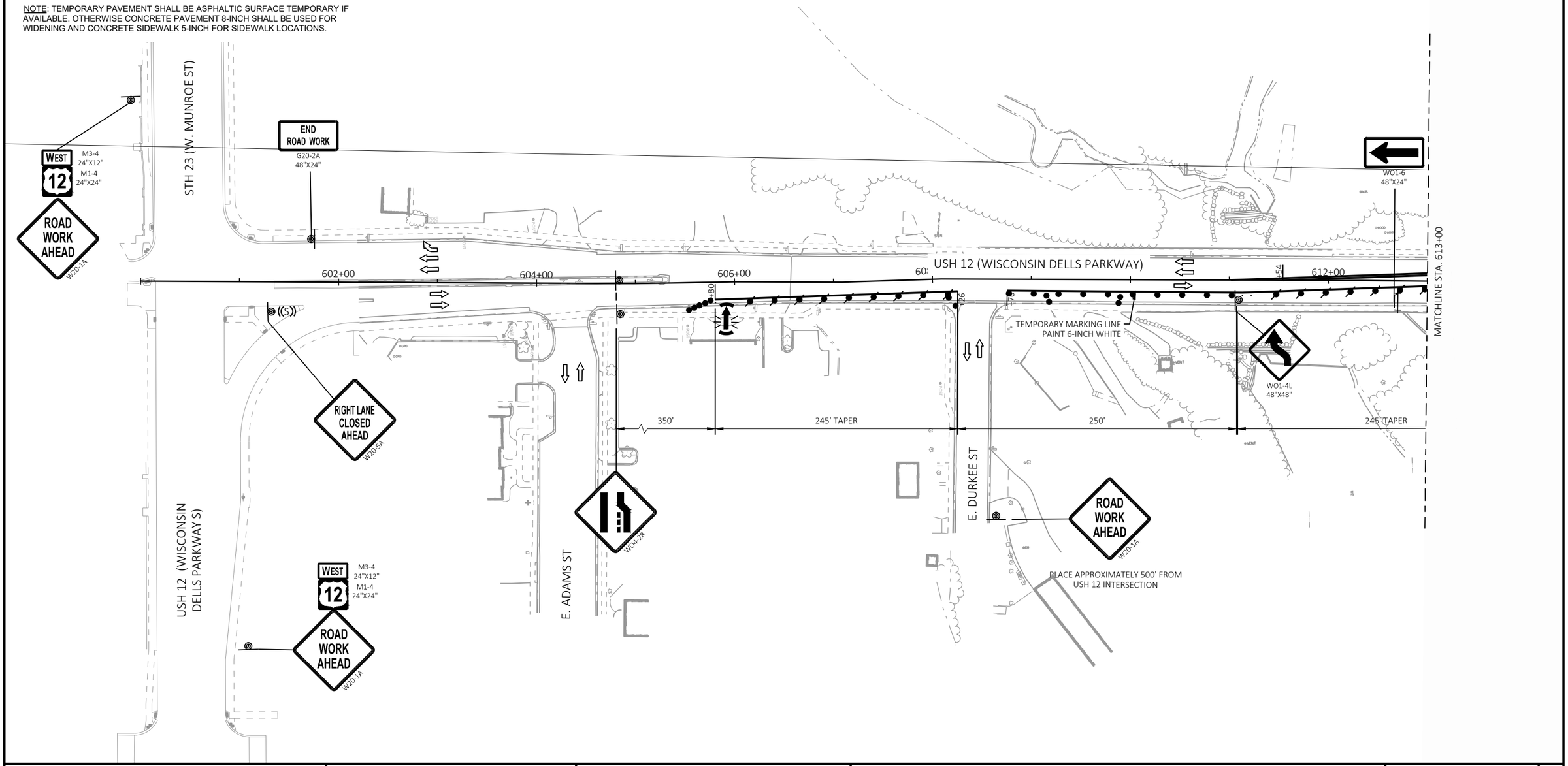
NOTE: TEMPORARY PAVEMENT SHALL BE ASPHALTIC SURFACE TEMPORARY IF AVAILABLE. OTHERWISE CONCRETE PAVEMENT 8-INCH SHALL BE USED FOR WIDENING AND CONCRETE SIDEWALK 5-INCH FOR SIDEWALK LOCATIONS.



LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- WORK ZONE START LOCATION MARKER
- WORK ZONE END LOCATION MARKER
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- WORK AREA
- DIRECTION OF TRAFFIC
- PORTABLE CHANGEABLE MESSAGE BOARD
- TEMPORARY PAVEMENT (SEE NOTE)
- REMOVING ASPHALTIC SURFACE MILLING

NOTE: TEMPORARY PAVEMENT SHALL BE ASPHALTIC SURFACE TEMPORARY IF AVAILABLE. OTHERWISE CONCRETE PAVEMENT 8-INCH SHALL BE USED FOR WIDENING AND CONCRETE SIDEWALK 5-INCH FOR SIDEWALK LOCATIONS.

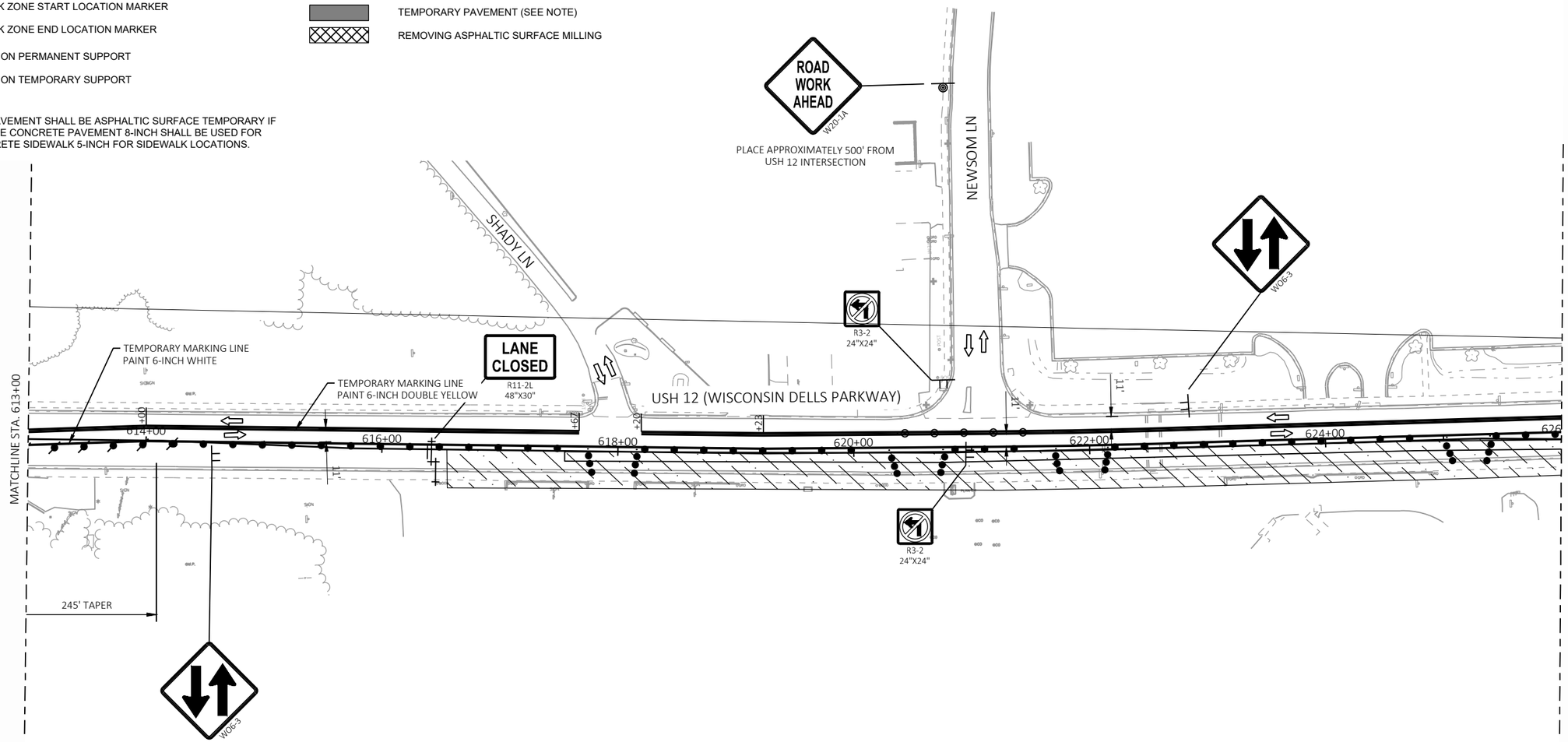


PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	TRAFFIC CONTROL: STAGE 2	SHEET 529	E

LEGEND

TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN	DELINEATOR FLEXIBLE/TUBULAR MARKER
TRAFFIC CONTROL DRUM	WORK AREA
TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT	DIRECTION OF TRAFFIC
CONNECTED ARROW BOARD	PORTABLE CHANGEABLE MESSAGE BOARD
WORK ZONE START LOCATION MARKER	TEMPORARY PAVEMENT (SEE NOTE)
WORK ZONE END LOCATION MARKER	REMOVING ASPHALTIC SURFACE MILLING
SIGN ON PERMANENT SUPPORT	
SIGN ON TEMPORARY SUPPORT	

NOTE: TEMPORARY PAVEMENT SHALL BE ASPHALTIC SURFACE TEMPORARY IF AVAILABLE. OTHERWISE CONCRETE PAVEMENT 8-INCH SHALL BE USED FOR WIDENING AND CONCRETE SIDEWALK 5-INCH FOR SIDEWALK LOCATIONS.

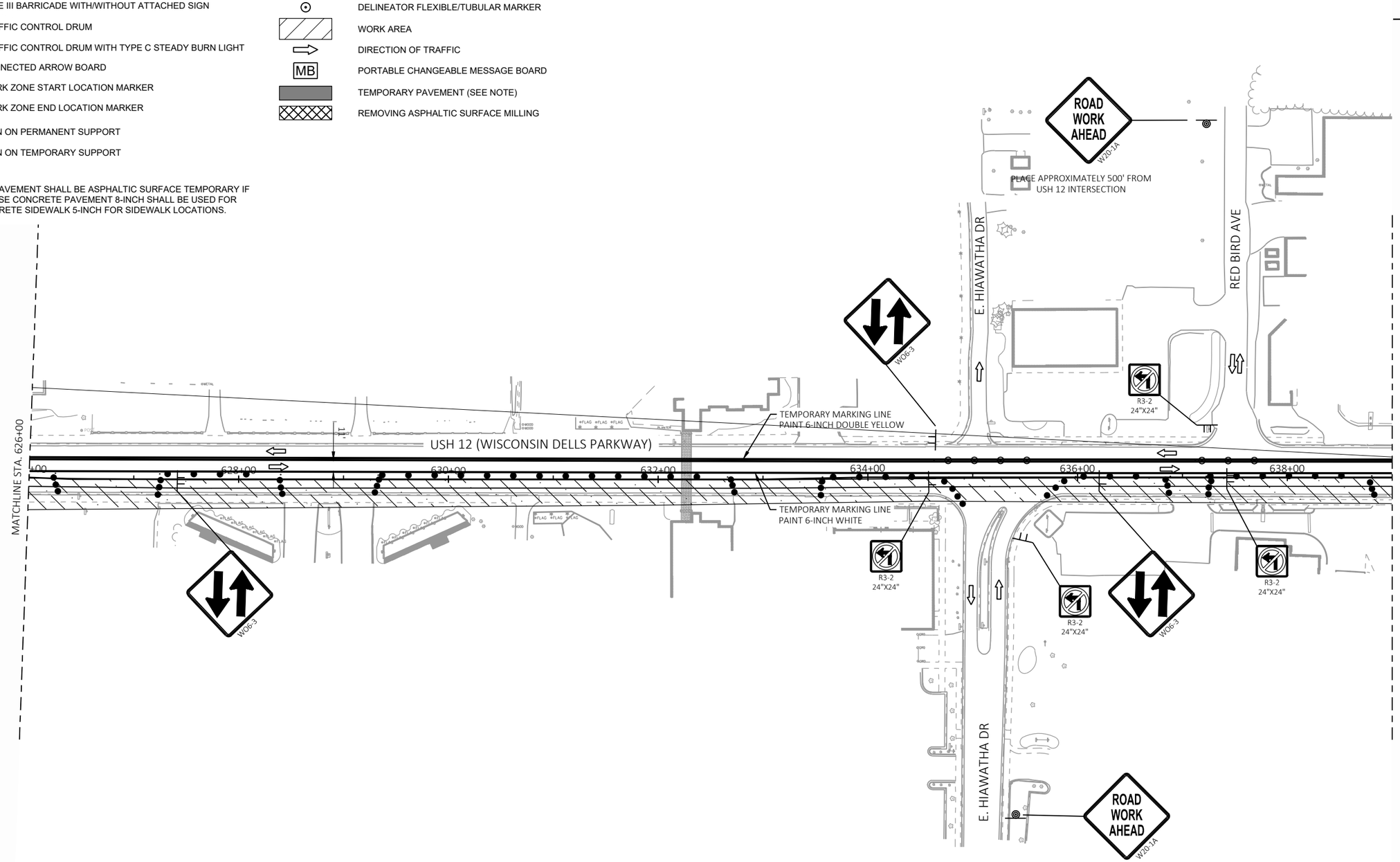


PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	TRAFFIC CONTROL: STAGE 2	SHEET 530	E

LEGEND

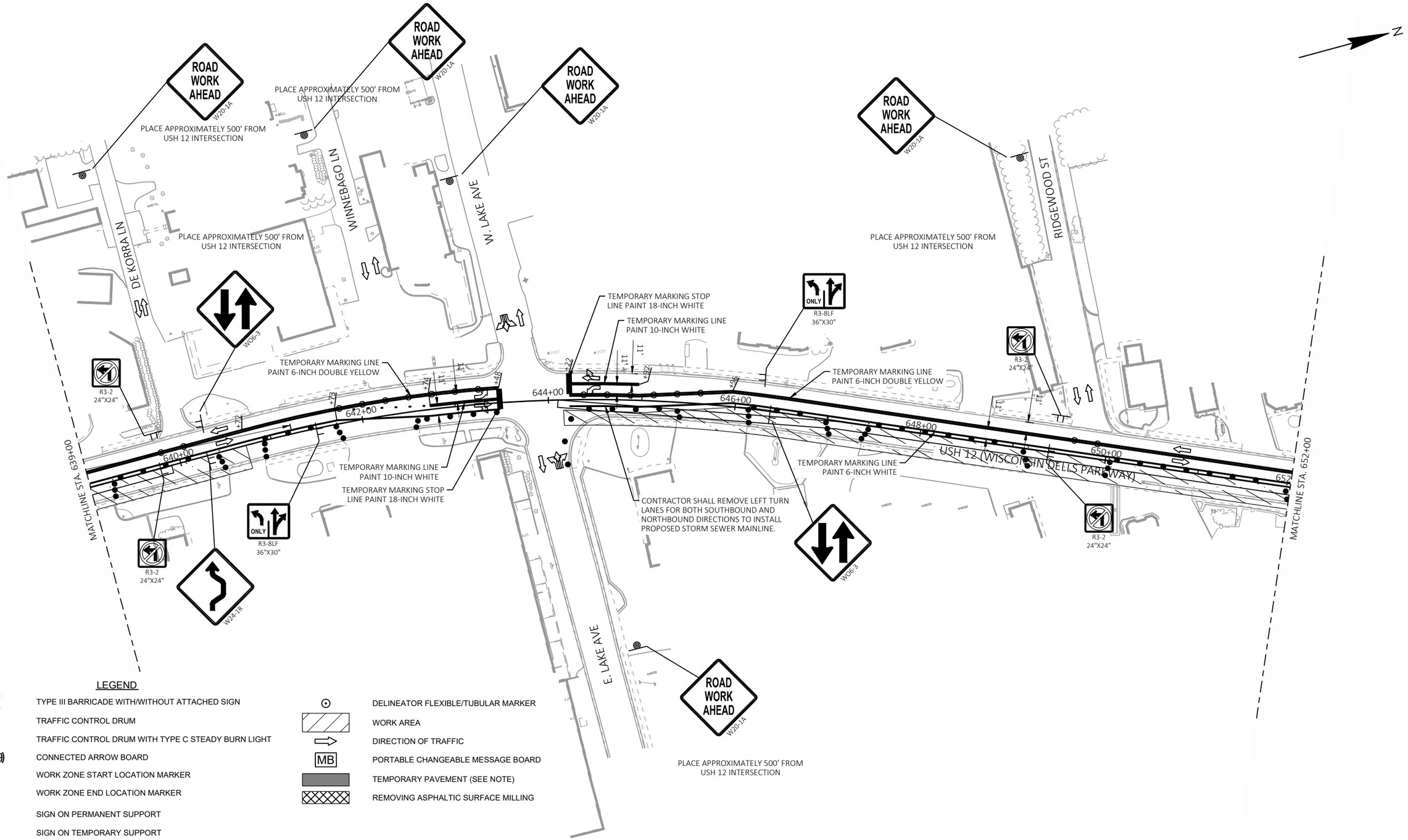
- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- WORK ZONE START LOCATION MARKER
- WORK ZONE END LOCATION MARKER
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- WORK AREA
- DIRECTION OF TRAFFIC
- PORTABLE CHANGEABLE MESSAGE BOARD (MB)
- TEMPORARY PAVEMENT (SEE NOTE)
- REMOVING ASPHALTIC SURFACE MILLING

NOTE: TEMPORARY PAVEMENT SHALL BE ASPHALTIC SURFACE TEMPORARY IF AVAILABLE. OTHERWISE CONCRETE PAVEMENT 8-INCH SHALL BE USED FOR WIDENING AND CONCRETE SIDEWALK 5-INCH FOR SIDEWALK LOCATIONS.



PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	TRAFFIC CONTROL: STAGE 2	SHEET 531	E

2



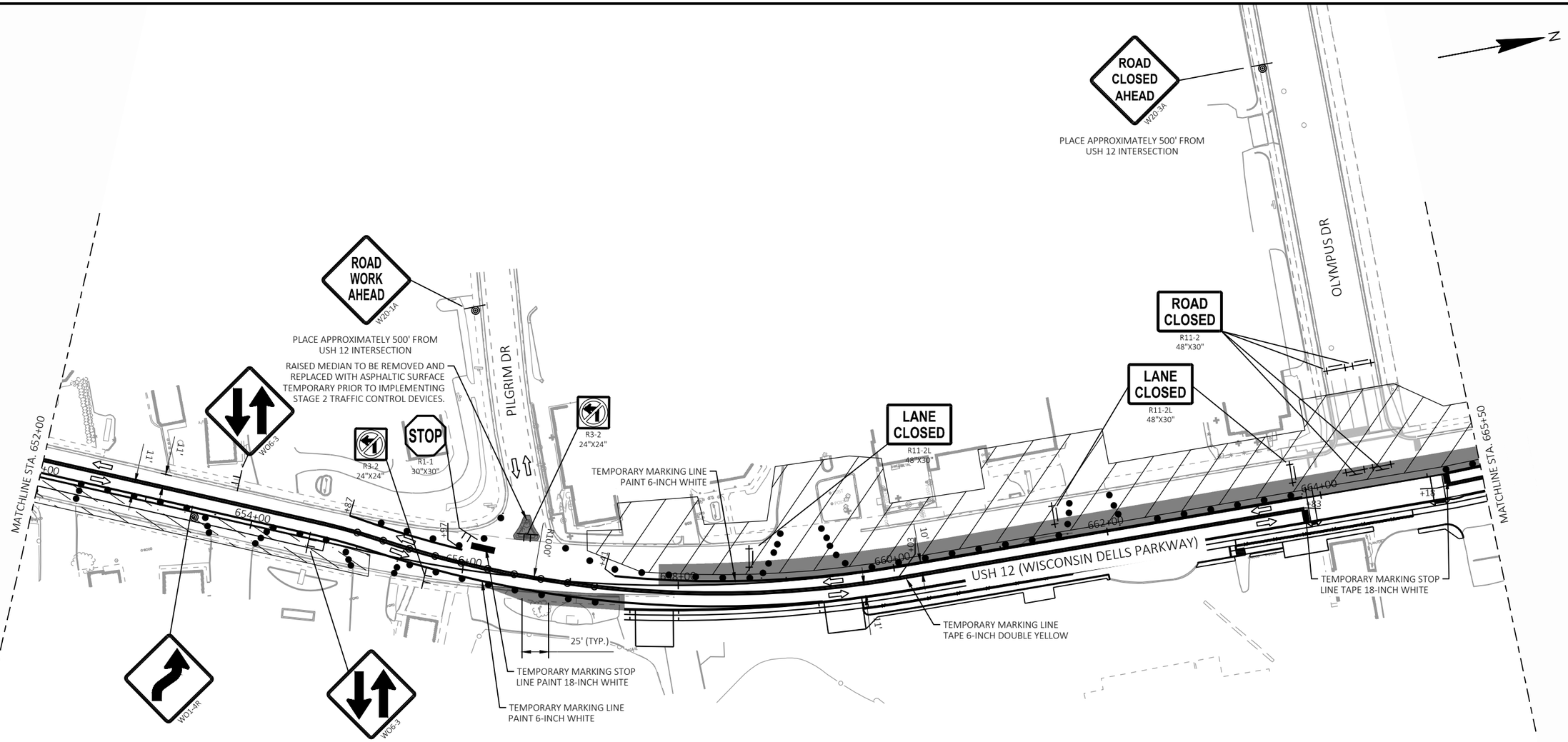
LEGEND

TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN	DELINEATOR FLEXIBLE/TUBULAR MARKER
TRAFFIC CONTROL DRUM	WORK AREA
TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT	DIRECTION OF TRAFFIC
CONNECTED ARROW BOARD	PORTABLE CHANGEABLE MESSAGE BOARD
WORK ZONE START LOCATION MARKER	TEMPORARY PAVEMENT (SEE NOTE)
WORK ZONE END LOCATION MARKER	REMOVING ASPHALTIC SURFACE MILLING
SIGN ON PERMANENT SUPPORT	
SIGN ON TEMPORARY SUPPORT	

NOTE: TEMPORARY PAVEMENT SHALL BE ASPHALTIC SURFACE TEMPORARY IF AVAILABLE. OTHERWISE CONCRETE PAVEMENT 8-INCH SHALL BE USED FOR WIDENING AND CONCRETE SIDEWALK 5-INCH FOR SIDEWALK LOCATIONS.

PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	TRAFFIC CONTROL: STAGE 2	SHEET 532	E

2



LEGEND

TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN	DELINEATOR FLEXIBLE/TUBULAR MARKER
TRAFFIC CONTROL DRUM	WORK AREA
TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT	DIRECTION OF TRAFFIC
CONNECTED ARROW BOARD	PORTABLE CHANGEABLE MESSAGE BOARD (MB)
WORK ZONE START LOCATION MARKER (S)	TEMPORARY PAVEMENT (SEE NOTE)
WORK ZONE END LOCATION MARKER (E)	REMOVING ASPHALTIC SURFACE MILLING
SIGN ON PERMANENT SUPPORT	
SIGN ON TEMPORARY SUPPORT	

NOTE: TEMPORARY PAVEMENT SHALL BE ASPHALTIC SURFACE TEMPORARY IF AVAILABLE. OTHERWISE CONCRETE PAVEMENT 8-INCH SHALL BE USED FOR WIDENING AND CONCRETE SIDEWALK 5-INCH FOR SIDEWALK LOCATIONS.

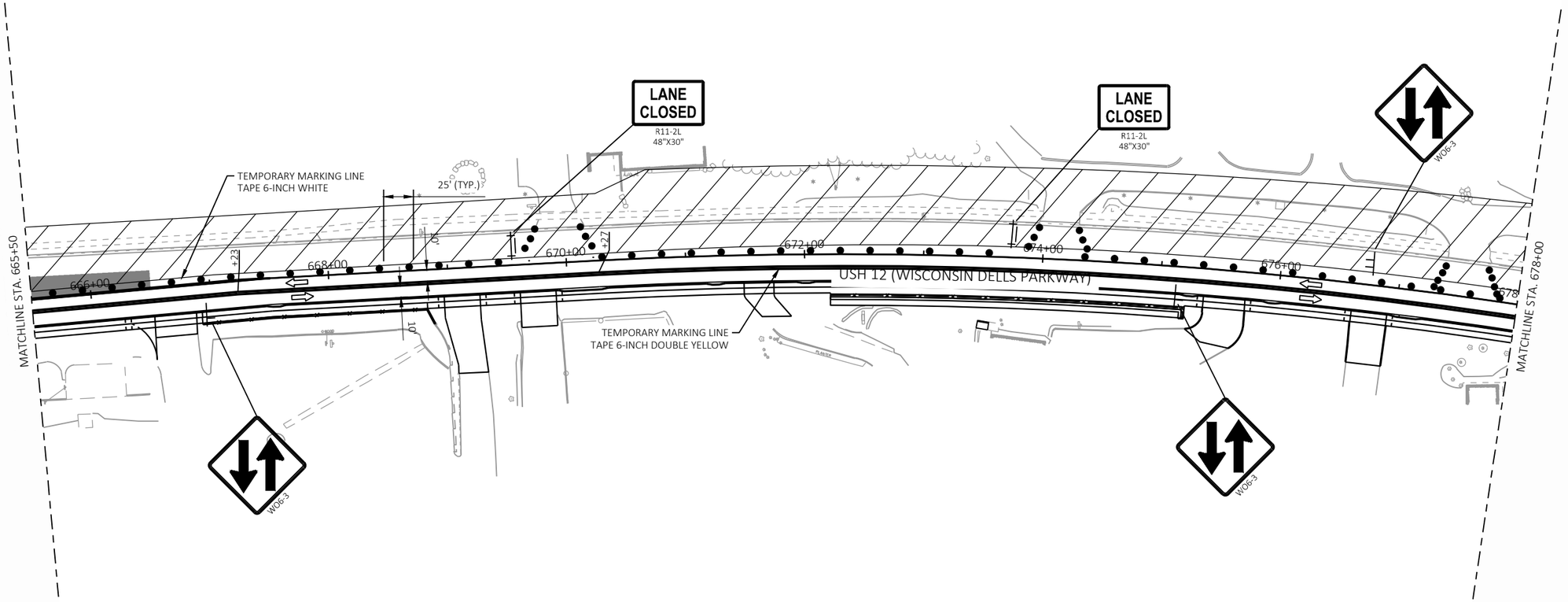
PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	TRAFFIC CONTROL: STAGE 2A	SHEET 533	E

LEGEND

TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN	DELINEATOR FLEXIBLE/TUBULAR MARKER
TRAFFIC CONTROL DRUM	WORK AREA
TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT	DIRECTION OF TRAFFIC
CONNECTED ARROW BOARD	PORTABLE CHANGEABLE MESSAGE BOARD
WORK ZONE START LOCATION MARKER	TEMPORARY PAVEMENT (SEE NOTE)
WORK ZONE END LOCATION MARKER	REMOVING ASPHALTIC SURFACE MILLING
SIGN ON PERMANENT SUPPORT	
SIGN ON TEMPORARY SUPPORT	

N

NOTE: TEMPORARY PAVEMENT SHALL BE ASPHALTIC SURFACE TEMPORARY IF AVAILABLE. OTHERWISE CONCRETE PAVEMENT 8-INCH SHALL BE USED FOR WIDENING AND CONCRETE SIDEWALK 5-INCH FOR SIDEWALK LOCATIONS.



PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	TRAFFIC CONTROL: STAGE 2A	SHEET 534	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\SINGLE LET_ALL IDS\025100_TC_S2.DWG
LAYOUT NAME - 06

PLOT DATE : 2/11/2026 3:11 PM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

N

ROAD CLOSED AHEAD
W20-3A

PLACE APPROXIMATELY 500' FROM USH 12 INTERSECTION

LANE CLOSED
R11-2L
48"X30"

OLYMPUS DR

R1-1
30"X30"
STOP
R3-2
24"X24"

ROAD WORK AHEAD
W20-1A

PLACE APPROXIMATELY 500' FROM USH 12 INTERSECTION

RAISED MEDIAN TO BE REMOVED AND REPLACED WITH ASPHALTIC SURFACE TEMPORARY PRIOR TO IMPLEMENTING STAGE 2 TRAFFIC CONTROL DEVICES.

PILGRIM DR

LANE CLOSED
R11-2L
48"X30"

LANE CLOSED
R11-2L
48"X30"

TEMPORARY MARKING LINE TAPE 6-INCH YELLOW

MATCHLINE STA. 652+00

MATCHLINE STA. 665+50

652+00
654+00
656+00
658+00
660+00
662+00
664+00

USH 12 (WISCONSIN DELLS PARKWAY)

TEMPORARY MARKING LINE TAPE 6-INCH YELLOW

WO1-6
48"X24"

WO6-3

WO1-4R

WO6-3

25' (TYP.)

TEMPORARY MARKING STOP LINE PAINT 18-INCH WHITE

TEMPORARY MARKING LINE PAINT 6-INCH WHITE

LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- WORK ZONE START LOCATION MARKER
- WORK ZONE END LOCATION MARKER
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- WORK AREA
- DIRECTION OF TRAFFIC
- MB — PORTABLE CHANGEABLE MESSAGE BOARD
- TEMPORARY PAVEMENT (SEE NOTE)
- REMOVING ASPHALTIC SURFACE MILLING

NOTE: TEMPORARY PAVEMENT SHALL BE ASPHALTIC SURFACE TEMPORARY IF AVAILABLE. OTHERWISE CONCRETE PAVEMENT 8-INCH SHALL BE USED FOR WIDENING AND CONCRETE SIDEWALK 5-INCH FOR SIDEWALK LOCATIONS.

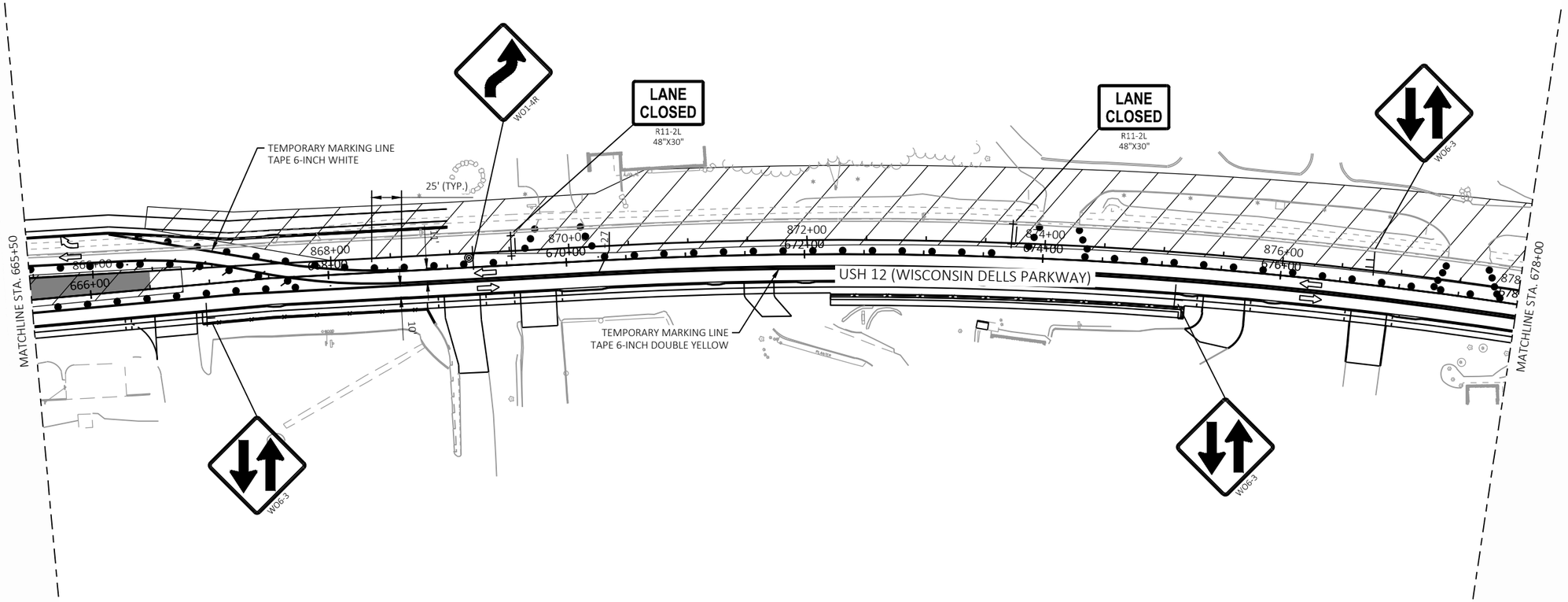
PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	TRAFFIC CONTROL: STAGE 2B	SHEET 535	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\SINGLE LET_ALL IDS\025100_TC_S2B.DWG
LAYOUT NAME - 05B
PLOT DATE : 2/11/2026 3:12 PM
PLOT BY : CHAPMAN, JULIE
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42

LEGEND

TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN	DELINEATOR FLEXIBLE/TUBULAR MARKER
TRAFFIC CONTROL DRUM	WORK AREA
TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT	DIRECTION OF TRAFFIC
CONNECTED ARROW BOARD	PORTABLE CHANGEABLE MESSAGE BOARD
WORK ZONE START LOCATION MARKER	TEMPORARY PAVEMENT (SEE NOTE)
WORK ZONE END LOCATION MARKER	REMOVING ASPHALTIC SURFACE MILLING
SIGN ON PERMANENT SUPPORT	
SIGN ON TEMPORARY SUPPORT	

NOTE: TEMPORARY PAVEMENT SHALL BE ASPHALTIC SURFACE TEMPORARY IF AVAILABLE. OTHERWISE CONCRETE PAVEMENT 8-INCH SHALL BE USED FOR WIDENING AND CONCRETE SIDEWALK 5-INCH FOR SIDEWALK LOCATIONS.



PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	TRAFFIC CONTROL: STAGE 2B	SHEET 536	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\SINGLE LET_ALL IDS\025100_TC_S2B.DWG
LAYOUT NAME - 06B

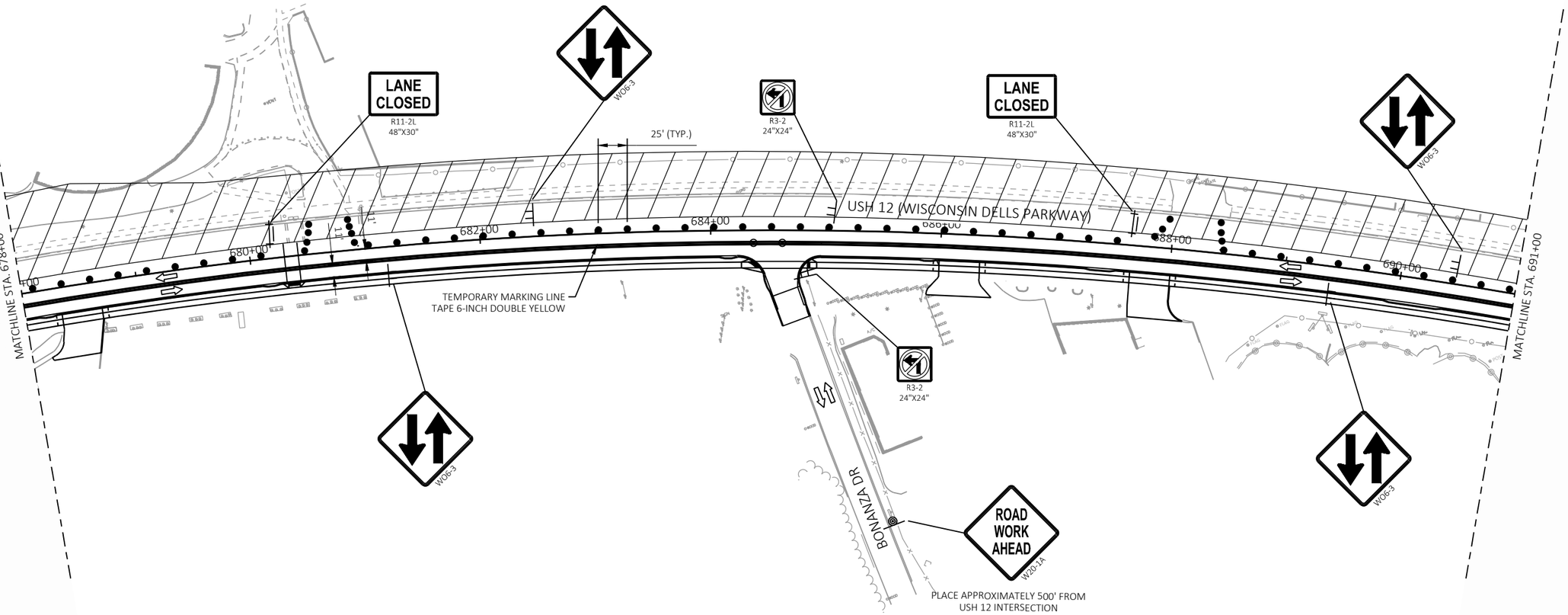
PLOT DATE : 2/11/2026 3:12 PM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:100 FT

LEGEND

TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN	DELINEATOR FLEXIBLE/TUBULAR MARKER
TRAFFIC CONTROL DRUM	WORK AREA
TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT	DIRECTION OF TRAFFIC
CONNECTED ARROW BOARD	PORTABLE CHANGEABLE MESSAGE BOARD
WORK ZONE START LOCATION MARKER	TEMPORARY PAVEMENT (SEE NOTE)
WORK ZONE END LOCATION MARKER	REMOVING ASPHALTIC SURFACE MILLING
SIGN ON PERMANENT SUPPORT	
SIGN ON TEMPORARY SUPPORT	

NOTE: TEMPORARY PAVEMENT SHALL BE ASPHALTIC SURFACE TEMPORARY IF AVAILABLE. OTHERWISE CONCRETE PAVEMENT 8-INCH SHALL BE USED FOR WIDENING AND CONCRETE SIDEWALK 5-INCH FOR SIDEWALK LOCATIONS.





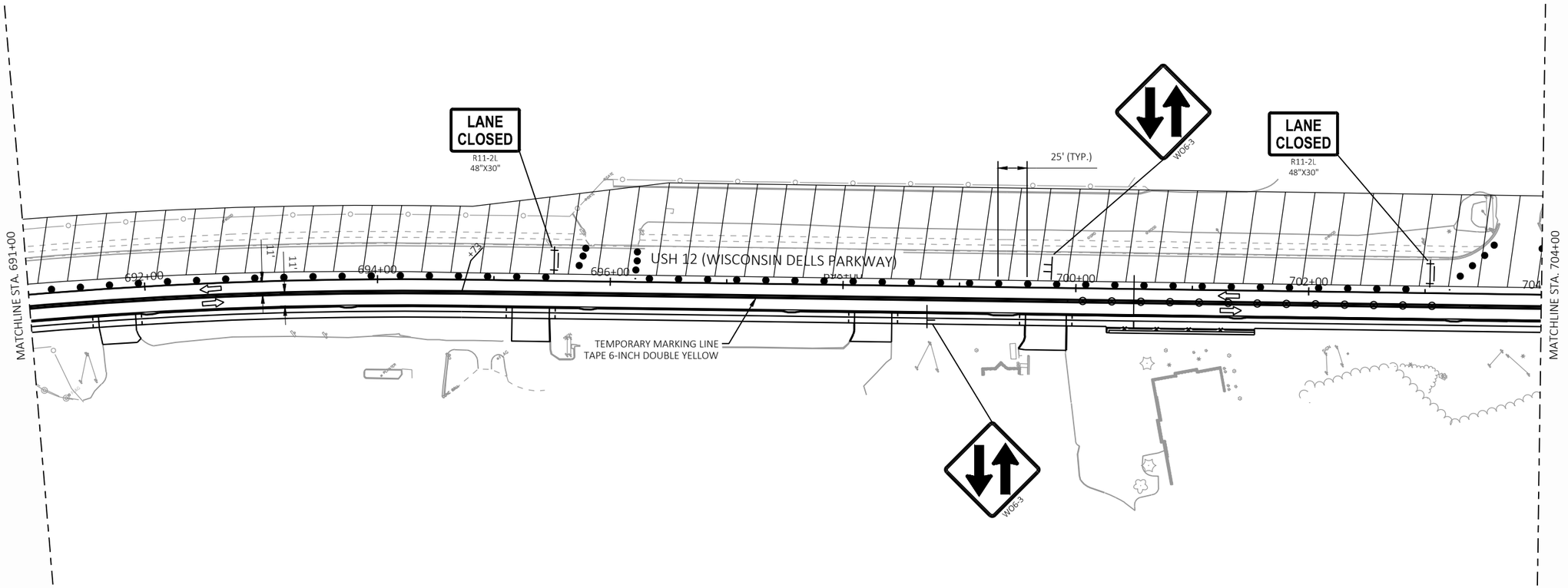
PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	TRAFFIC CONTROL: STAGE 2	SHEET 537	E

2

LEGEND

TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN	DELINEATOR FLEXIBLE/TUBULAR MARKER
TRAFFIC CONTROL DRUM	WORK AREA
TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT	DIRECTION OF TRAFFIC
CONNECTED ARROW BOARD	PORTABLE CHANGEABLE MESSAGE BOARD
WORK ZONE START LOCATION MARKER	TEMPORARY PAVEMENT (SEE NOTE)
WORK ZONE END LOCATION MARKER	REMOVING ASPHALTIC SURFACE MILLING
SIGN ON PERMANENT SUPPORT	
SIGN ON TEMPORARY SUPPORT	

NOTE: TEMPORARY PAVEMENT SHALL BE ASPHALTIC SURFACE TEMPORARY IF AVAILABLE. OTHERWISE CONCRETE PAVEMENT 8-INCH SHALL BE USED FOR WIDENING AND CONCRETE SIDEWALK 5-INCH FOR SIDEWALK LOCATIONS.

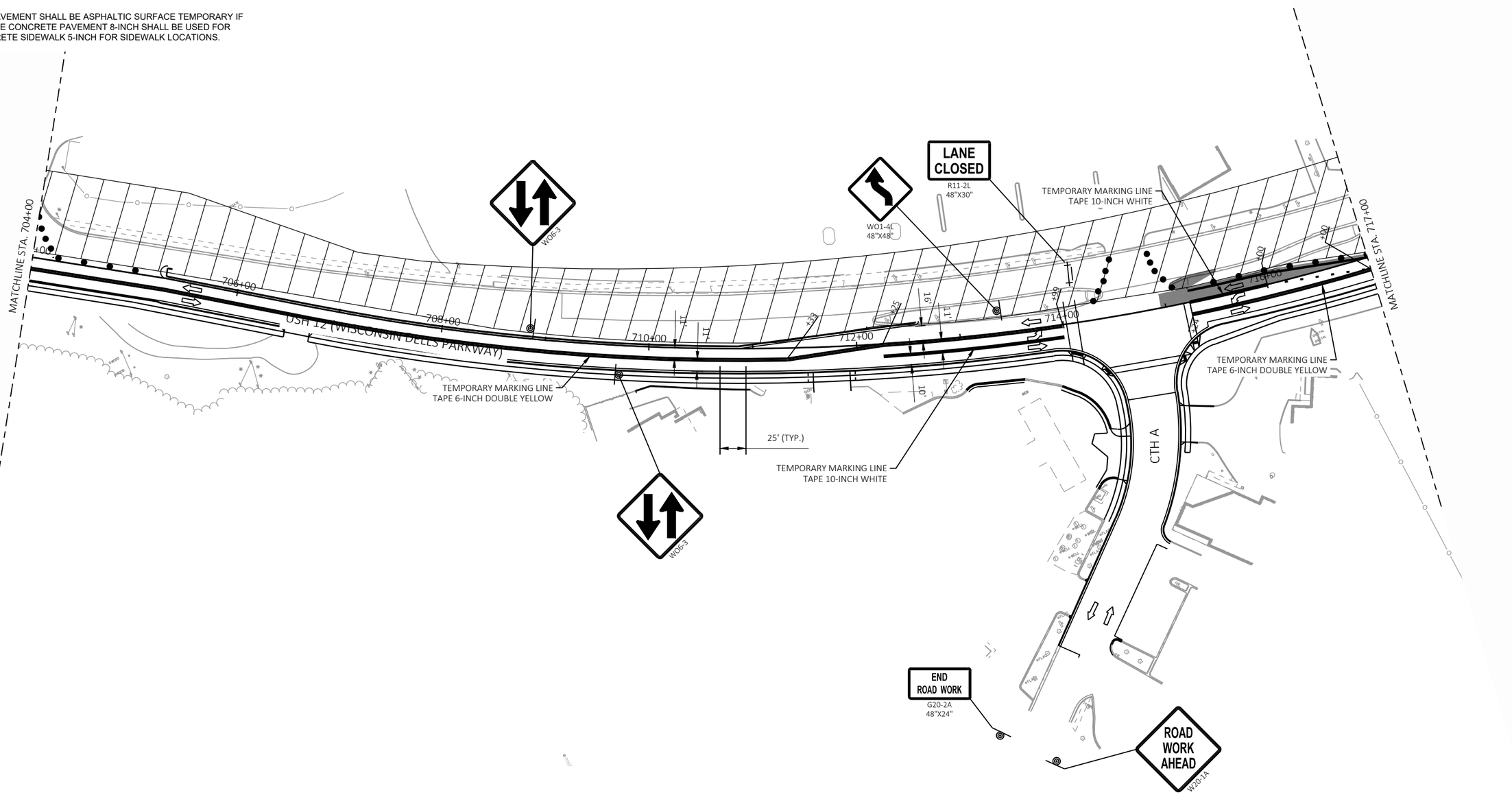


2

LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- WORK ZONE START LOCATION MARKER
- WORK ZONE END LOCATION MARKER
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- WORK AREA
- DIRECTION OF TRAFFIC
- PORTABLE CHANGEABLE MESSAGE BOARD
- TEMPORARY PAVEMENT (SEE NOTE)
- REMOVING ASPHALTIC SURFACE MILLING

NOTE: TEMPORARY PAVEMENT SHALL BE ASPHALTIC SURFACE TEMPORARY IF AVAILABLE. OTHERWISE CONCRETE PAVEMENT 8-INCH SHALL BE USED FOR WIDENING AND CONCRETE SIDEWALK 5-INCH FOR SIDEWALK LOCATIONS.



PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	TRAFFIC CONTROL: STAGE 2	SHEET 539	E

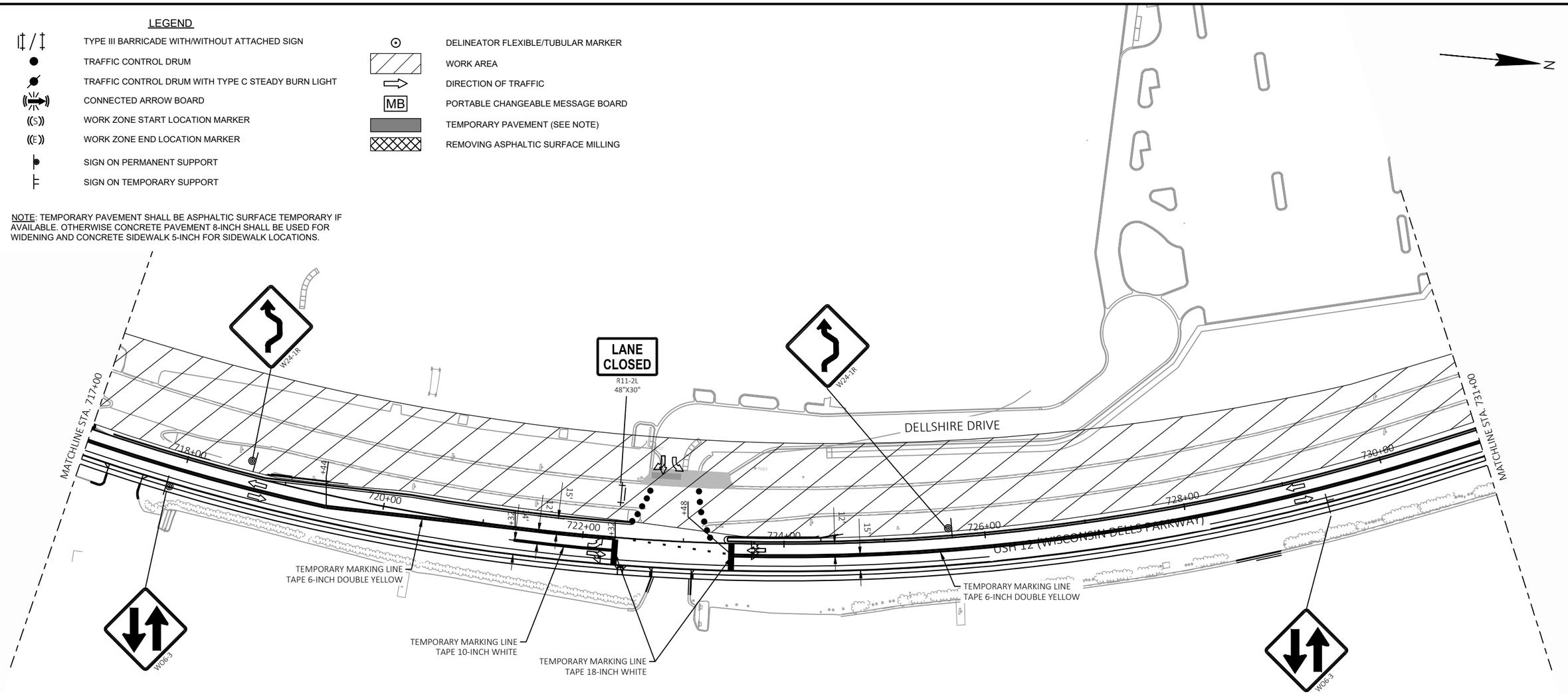
FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\SINGLE LET_ALL IDS\025100_TC_S2.DWG
LAYOUT NAME - 09

PLOT DATE : 2/11/2026 3:13 PM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:100 FT

LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- WORK ZONE START LOCATION MARKER
- WORK ZONE END LOCATION MARKER
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- WORK AREA
- DIRECTION OF TRAFFIC
- PORTABLE CHANGEABLE MESSAGE BOARD (MB)
- TEMPORARY PAVEMENT (SEE NOTE)
- REMOVING ASPHALTIC SURFACE MILLING

NOTE: TEMPORARY PAVEMENT SHALL BE ASPHALTIC SURFACE TEMPORARY IF AVAILABLE. OTHERWISE CONCRETE PAVEMENT 8-INCH SHALL BE USED FOR WIDENING AND CONCRETE SIDEWALK 5-INCH FOR SIDEWALK LOCATIONS.



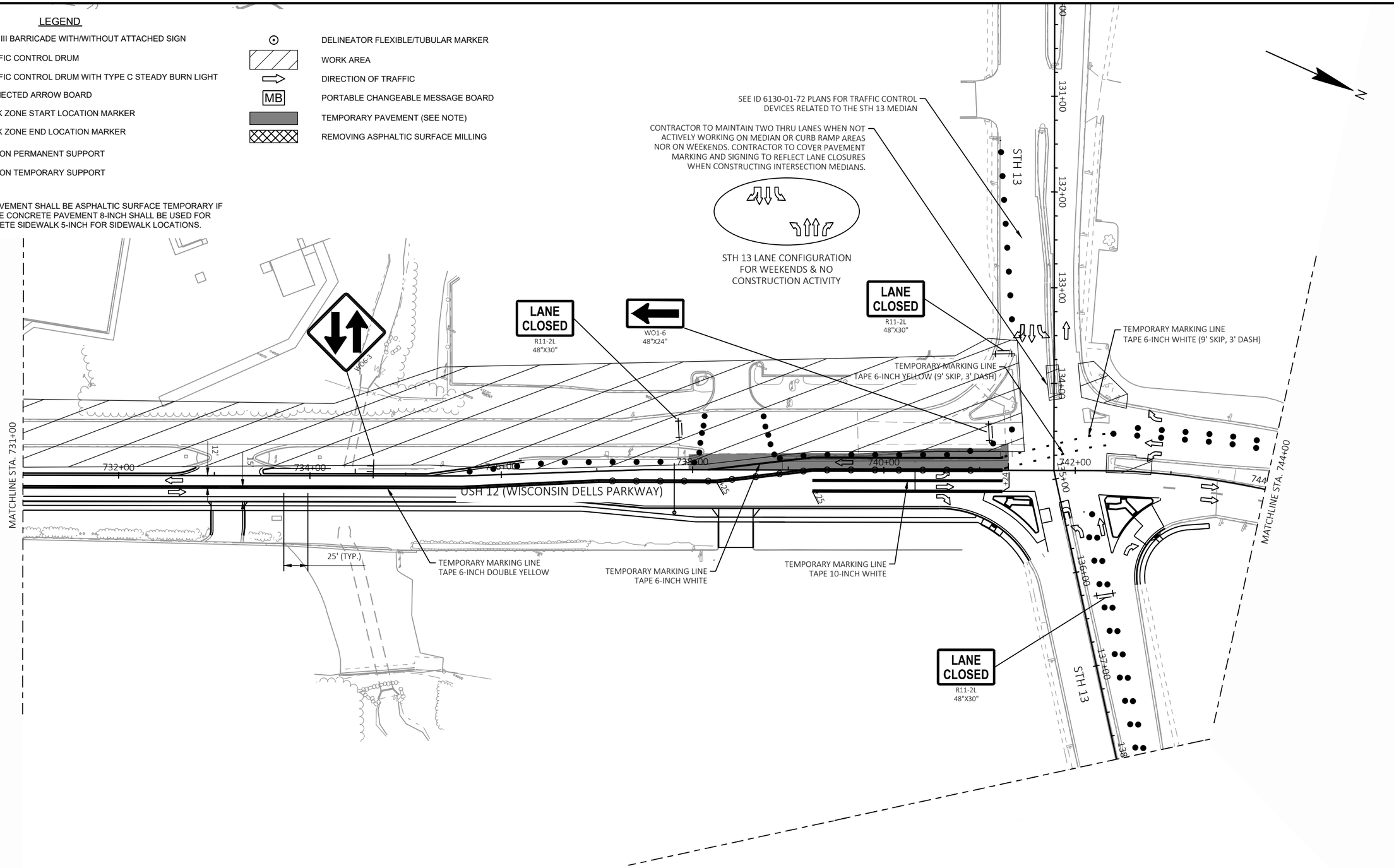
PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	TRAFFIC CONTROL: STAGE 2	SHEET 540	E

2

LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- WORK ZONE START LOCATION MARKER
- WORK ZONE END LOCATION MARKER
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- WORK AREA
- DIRECTION OF TRAFFIC
- PORTABLE CHANGEABLE MESSAGE BOARD (MB)
- TEMPORARY PAVEMENT (SEE NOTE)
- REMOVING ASPHALTIC SURFACE MILLING

NOTE: TEMPORARY PAVEMENT SHALL BE ASPHALTIC SURFACE TEMPORARY IF AVAILABLE. OTHERWISE CONCRETE PAVEMENT 8-INCH SHALL BE USED FOR WIDENING AND CONCRETE SIDEWALK 5-INCH FOR SIDEWALK LOCATIONS.



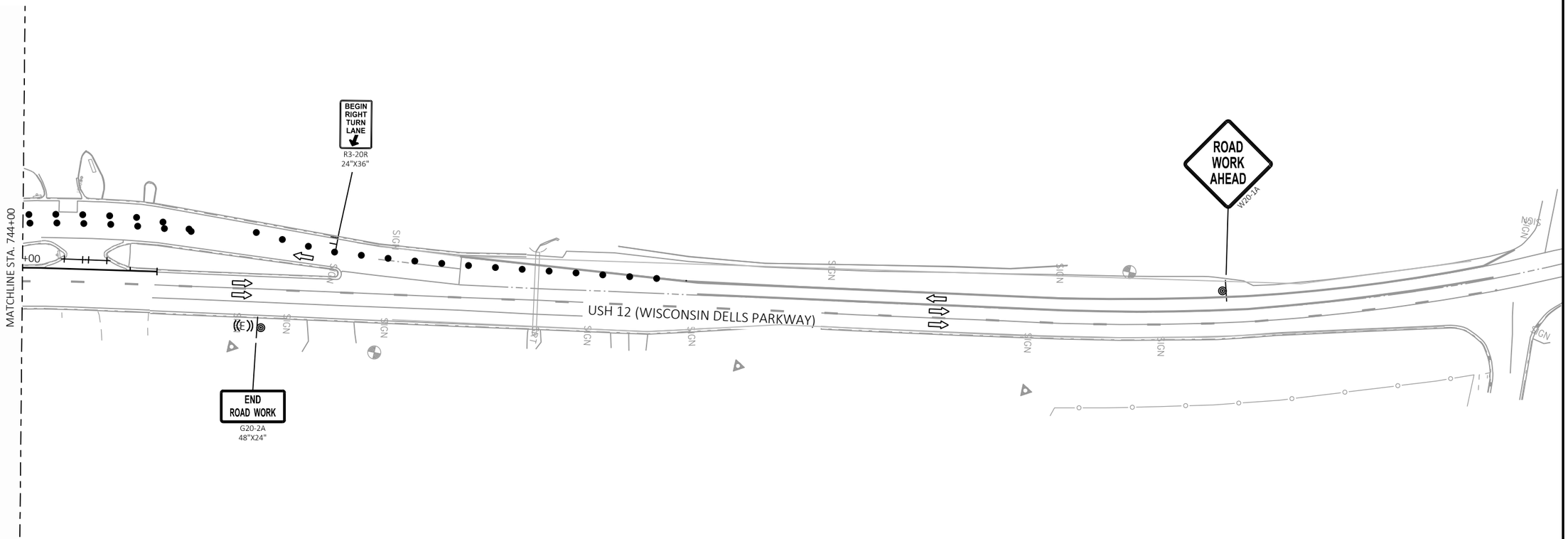
PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	TRAFFIC CONTROL: STAGE 2	SHEET 541	E

LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- WORK ZONE START LOCATION MARKER
- WORK ZONE END LOCATION MARKER
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- WORK AREA
- DIRECTION OF TRAFFIC
- PORTABLE CHANGEABLE MESSAGE BOARD
- TEMPORARY PAVEMENT (SEE NOTE)
- REMOVING ASPHALTIC SURFACE MILLING

N

NOTE: TEMPORARY PAVEMENT SHALL BE ASPHALTIC SURFACE TEMPORARY IF AVAILABLE. OTHERWISE CONCRETE PAVEMENT 8-INCH SHALL BE USED FOR WIDENING AND CONCRETE SIDEWALK 5-INCH FOR SIDEWALK LOCATIONS.



PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	TRAFFIC CONTROL: STAGE 2	SHEET 542	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\SINGLE LET_ALL IDS\025100_TC_S2.DWG
LAYOUT NAME - 12

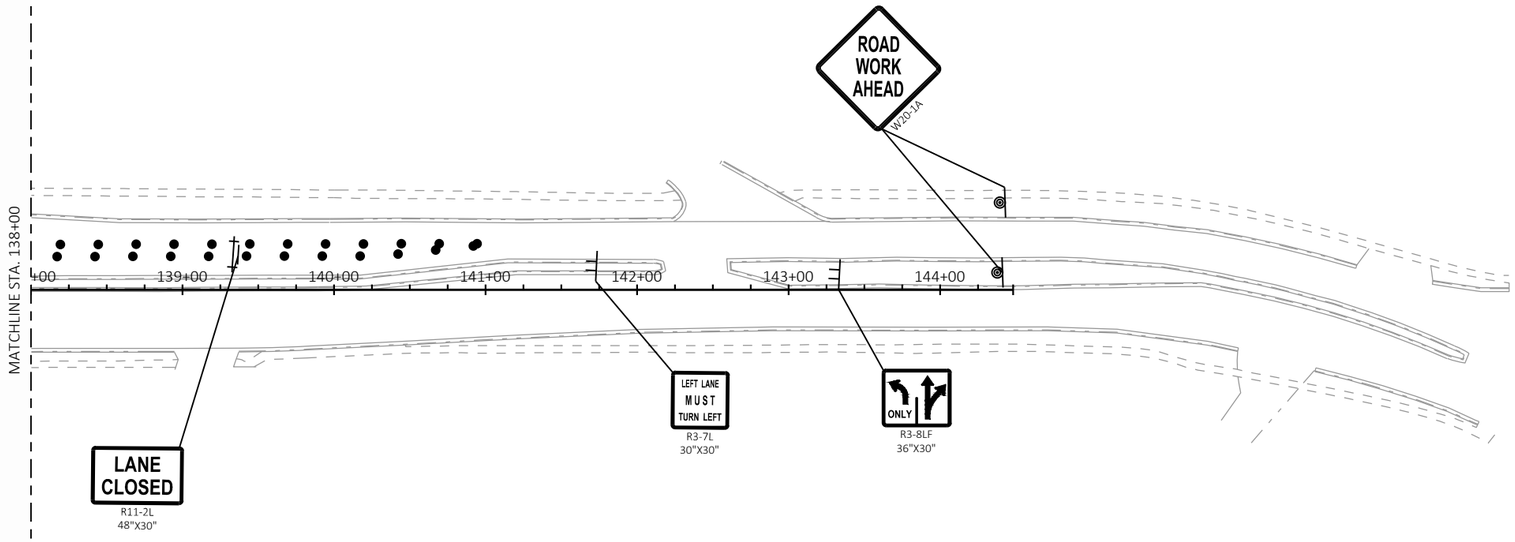
PLOT DATE : 2/12/2026 9:49 AM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- WORK ZONE START LOCATION MARKER
- WORK ZONE END LOCATION MARKER
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- WORK AREA
- DIRECTION OF TRAFFIC
- PORTABLE CHANGEABLE MESSAGE BOARD (MB)
- TEMPORARY PAVEMENT (SEE NOTE)
- REMOVING ASPHALTIC SURFACE MILLING

NOTE: TEMPORARY PAVEMENT SHALL BE ASPHALTIC SURFACE TEMPORARY IF AVAILABLE. OTHERWISE CONCRETE PAVEMENT 8-INCH SHALL BE USED FOR WIDENING AND CONCRETE SIDEWALK 5-INCH FOR SIDEWALK LOCATIONS.

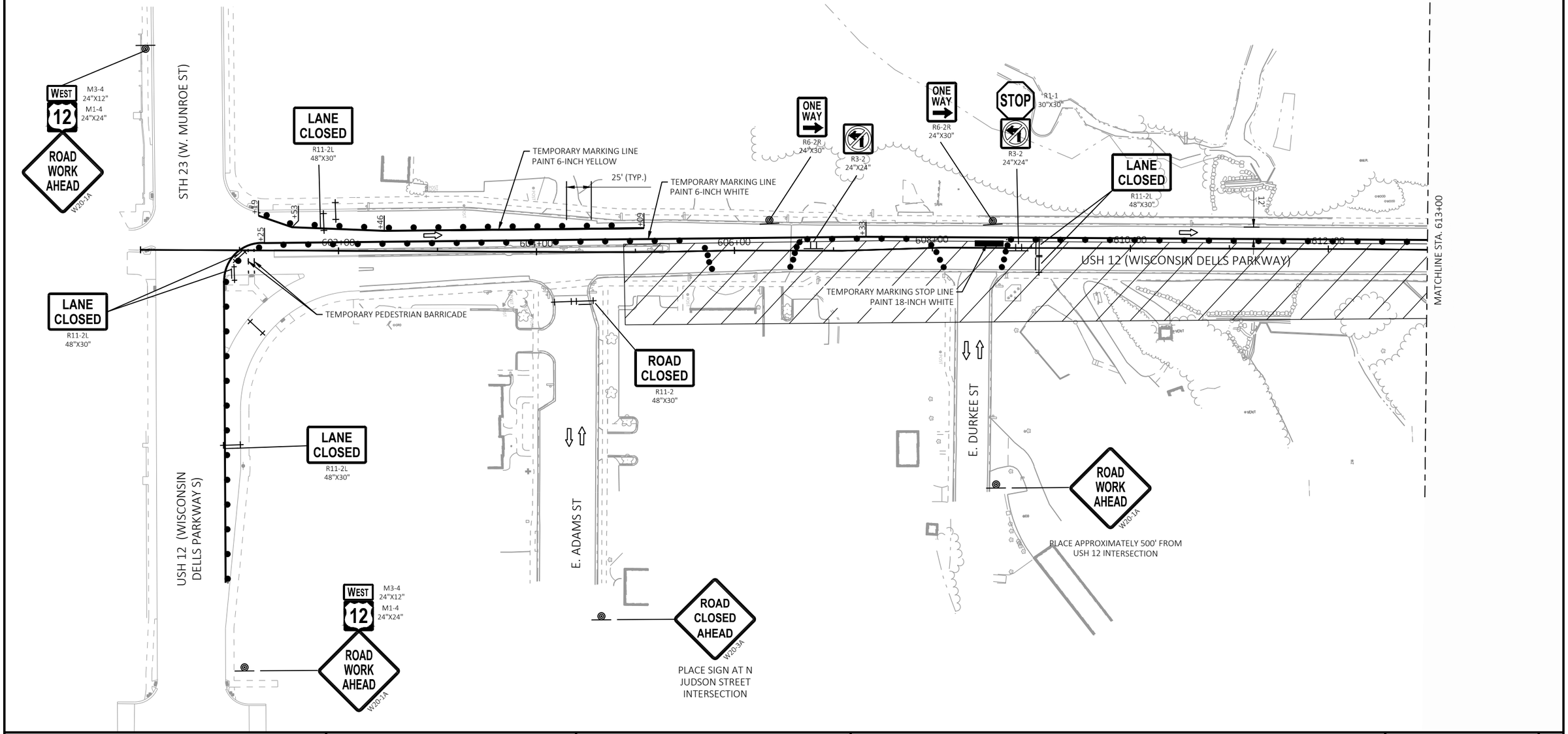


LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- WORK ZONE START LOCATION MARKER
- WORK ZONE END LOCATION MARKER
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- WORK AREA
- DIRECTION OF TRAFFIC
- PORTABLE CHANGEABLE MESSAGE BOARD (MB)
- TEMPORARY PAVEMENT (SEE NOTE)
- REMOVING ASPHALTIC SURFACE MILLING

N

NOTE: TEMPORARY PAVEMENT SHALL BE ASPHALTIC SURFACE TEMPORARY IF AVAILABLE. OTHERWISE CONCRETE PAVEMENT 8-INCH SHALL BE USED FOR WIDENING AND CONCRETE SIDEWALK 5-INCH FOR SIDEWALK LOCATIONS.



PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	TRAFFIC CONTROL: STAGE 3	SHEET 544	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\SINGLE LET_ALL IDS\025100_TC_S3.DWG
LAYOUT NAME - 01

PLOT DATE : 2/11/2026 3:14 PM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:100 FT

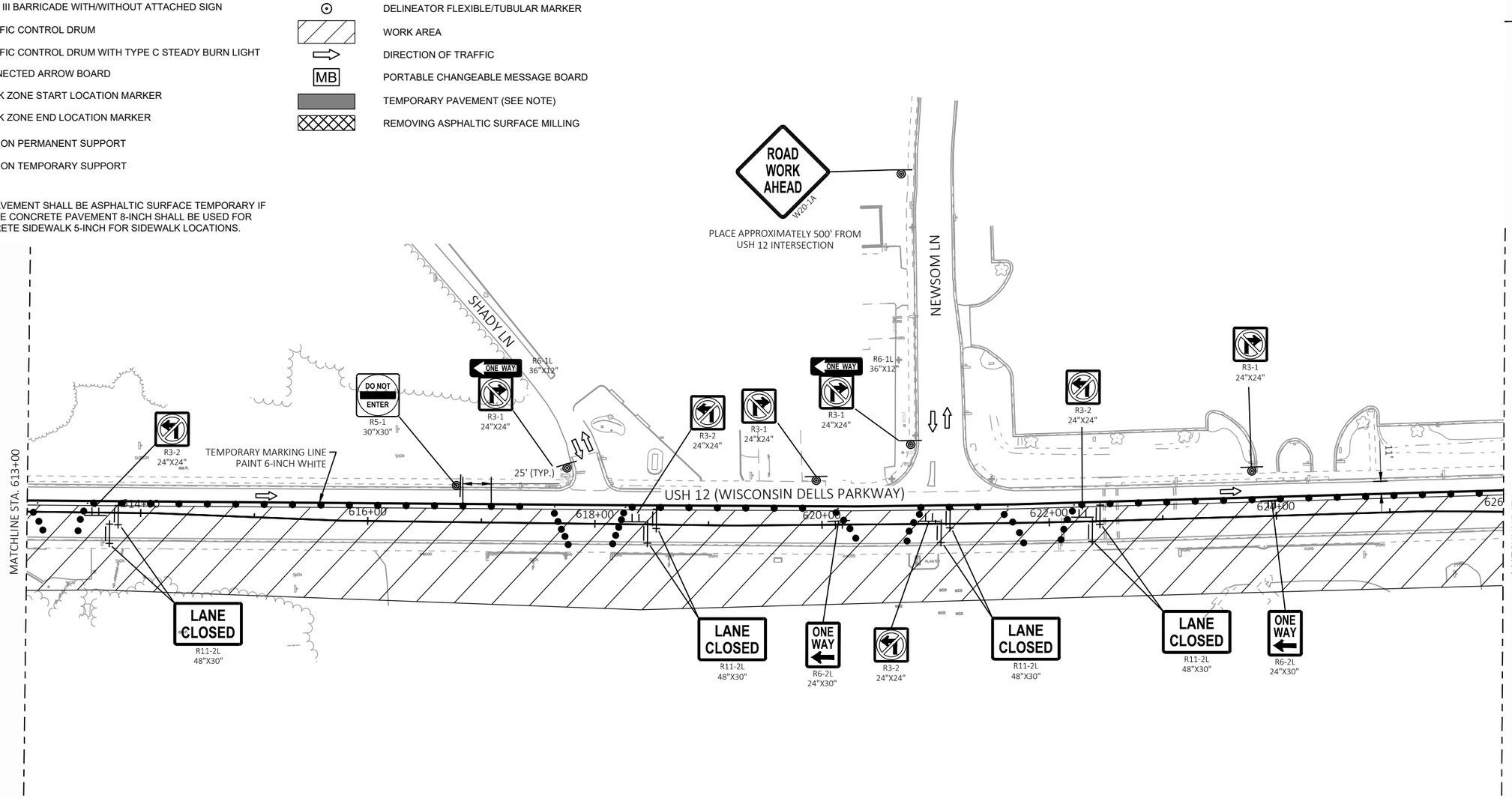
WISDOT/CADDS SHEET 42

2

LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- WORK ZONE START LOCATION MARKER
- WORK ZONE END LOCATION MARKER
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- WORK AREA
- DIRECTION OF TRAFFIC
- PORTABLE CHANGEABLE MESSAGE BOARD (MB)
- TEMPORARY PAVEMENT (SEE NOTE)
- REMOVING ASPHALTIC SURFACE MILLING

NOTE: TEMPORARY PAVEMENT SHALL BE ASPHALTIC SURFACE TEMPORARY IF AVAILABLE. OTHERWISE CONCRETE PAVEMENT 8-INCH SHALL BE USED FOR WIDENING AND CONCRETE SIDEWALK 5-INCH FOR SIDEWALK LOCATIONS.



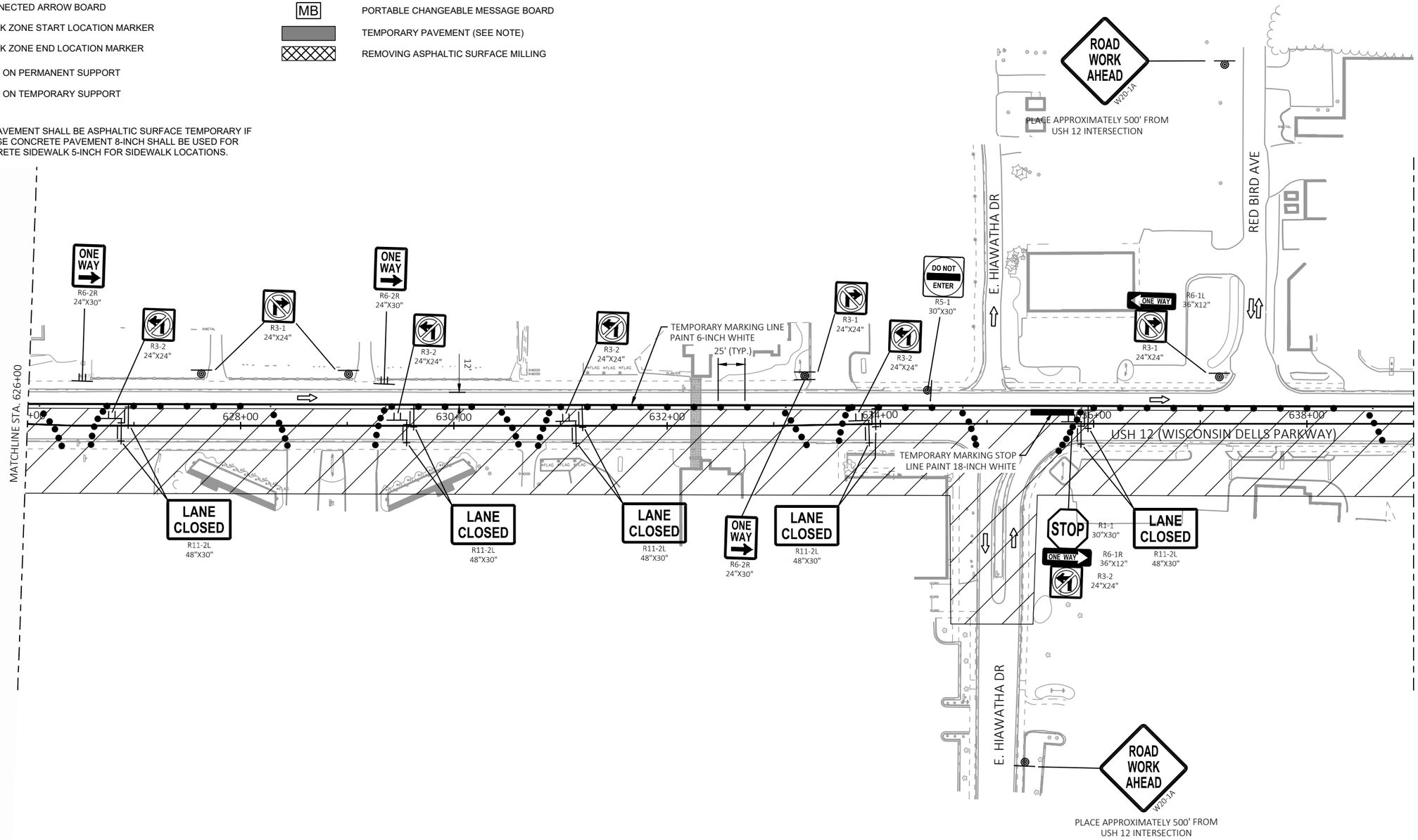
PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	TRAFFIC CONTROL: STAGE 3	SHEET 545	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\SINGLE LET_ALL IDS\025100_TC_S3.DWG
LAYOUT NAME - 02
PLOT DATE : 2/11/2026 3:14 PM
PLOT BY : CHAPMAN, JULIE
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42

LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- WORK ZONE START LOCATION MARKER
- WORK ZONE END LOCATION MARKER
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- WORK AREA
- DIRECTION OF TRAFFIC
- MB — PORTABLE CHANGEABLE MESSAGE BOARD
- TEMPORARY PAVEMENT (SEE NOTE)
- REMOVING ASPHALTIC SURFACE MILLING

NOTE: TEMPORARY PAVEMENT SHALL BE ASPHALTIC SURFACE TEMPORARY IF AVAILABLE. OTHERWISE CONCRETE PAVEMENT 8-INCH SHALL BE USED FOR WIDENING AND CONCRETE SIDEWALK 5-INCH FOR SIDEWALK LOCATIONS.



PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	TRAFFIC CONTROL: STAGE 3	SHEET 546	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\SINGLE LET_ALL IDS\025100_TC_S3.DWG
LAYOUT NAME - 03

PLOT DATE : 2/11/2026 3:14 PM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

N

ROAD WORK AHEAD W20-1A

PLACE APPROXIMATELY 500' FROM USH 12 INTERSECTION

ROAD WORK AHEAD W20-1A

PLACE APPROXIMATELY 500' FROM USH 12 INTERSECTION

ROAD WORK AHEAD W20-1A

PLACE APPROXIMATELY 500' FROM USH 12 INTERSECTION

ROAD WORK AHEAD W20-1A

PLACE APPROXIMATELY 500' FROM USH 12 INTERSECTION

WINNEBAGO LN

W. LAKE AVE

DE KORRA LN

RIDGEWOOD ST

E. LAKE AVE

USH 12 (WISCONSIN DELLS PARKWAY)

DO NOT ENTER
R5-1
30"X30"

ONE WAY
R6-1L
36"X12"

R3-1
24"X24"

LANE CLOSED
R11-2L
48"X30"

R3-2
24"X24"

ONE WAY
R6-2L
24"X30"

12'

639+00

640+00

642+00

644+00

646+00

648+00

650+00

652+00

MATCHLINE STA. 639+00

MATCHLINE STA. 652+00

TEMPORARY MARKING LINE
PAINT 6-INCH WHITE

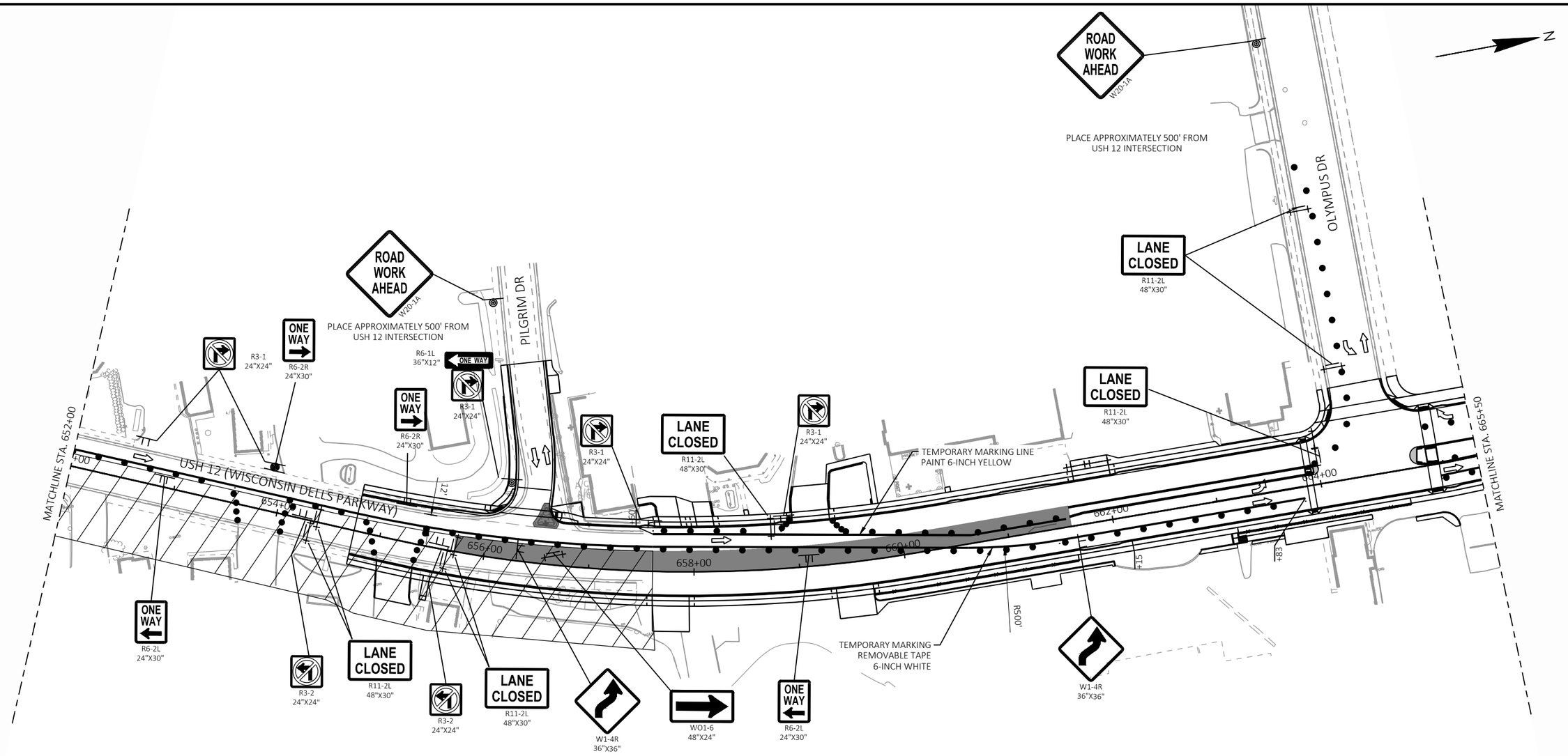
LEGEND

TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN	DELINEATOR FLEXIBLE/TUBULAR MARKER
TRAFFIC CONTROL DRUM	WORK AREA
TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT	DIRECTION OF TRAFFIC
CONNECTED ARROW BOARD	PORTABLE CHANGEABLE MESSAGE BOARD
WORK ZONE START LOCATION MARKER	TEMPORARY PAVEMENT (SEE NOTE)
WORK ZONE END LOCATION MARKER	REMOVING ASPHALTIC SURFACE MILLING
SIGN ON PERMANENT SUPPORT	
SIGN ON TEMPORARY SUPPORT	

NOTE: TEMPORARY PAVEMENT SHALL BE ASPHALTIC SURFACE TEMPORARY IF AVAILABLE. OTHERWISE CONCRETE PAVEMENT 8-INCH SHALL BE USED FOR WIDENING AND CONCRETE SIDEWALK 5-INCH FOR SIDEWALK LOCATIONS.

PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	TRAFFIC CONTROL: STAGE 3	SHEET 547	E

2



LEGEND

TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN	DELINEATOR FLEXIBLE/TUBULAR MARKER
TRAFFIC CONTROL DRUM	WORK AREA
TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT	DIRECTION OF TRAFFIC
CONNECTED ARROW BOARD	PORTABLE CHANGEABLE MESSAGE BOARD
WORK ZONE START LOCATION MARKER	TEMPORARY PAVEMENT (SEE NOTE)
WORK ZONE END LOCATION MARKER	REMOVING ASPHALTIC SURFACE MILLING
SIGN ON PERMANENT SUPPORT	
SIGN ON TEMPORARY SUPPORT	

NOTE: TEMPORARY PAVEMENT SHALL BE ASPHALTIC SURFACE TEMPORARY IF AVAILABLE. OTHERWISE CONCRETE PAVEMENT 8-INCH SHALL BE USED FOR WIDENING AND CONCRETE SIDEWALK 5-INCH FOR SIDEWALK LOCATIONS.

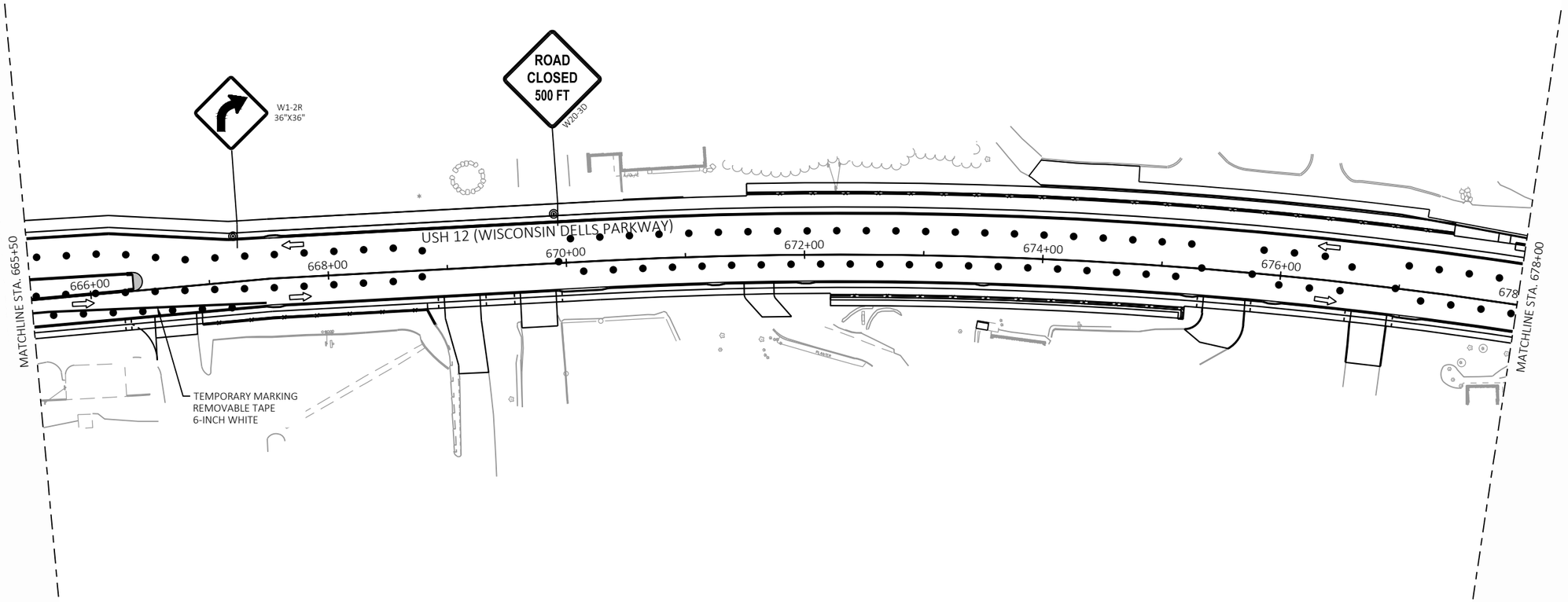
PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	TRAFFIC CONTROL: STAGE 3/3A	SHEET 548	E

LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- WORK ZONE START LOCATION MARKER
- WORK ZONE END LOCATION MARKER
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- WORK AREA
- DIRECTION OF TRAFFIC
- PORTABLE CHANGEABLE MESSAGE BOARD (MB)
- TEMPORARY PAVEMENT (SEE NOTE)
- REMOVING ASPHALTIC SURFACE MILLING

N

NOTE: TEMPORARY PAVEMENT SHALL BE ASPHALTIC SURFACE TEMPORARY IF AVAILABLE. OTHERWISE CONCRETE PAVEMENT 8-INCH SHALL BE USED FOR WIDENING AND CONCRETE SIDEWALK 5-INCH FOR SIDEWALK LOCATIONS.

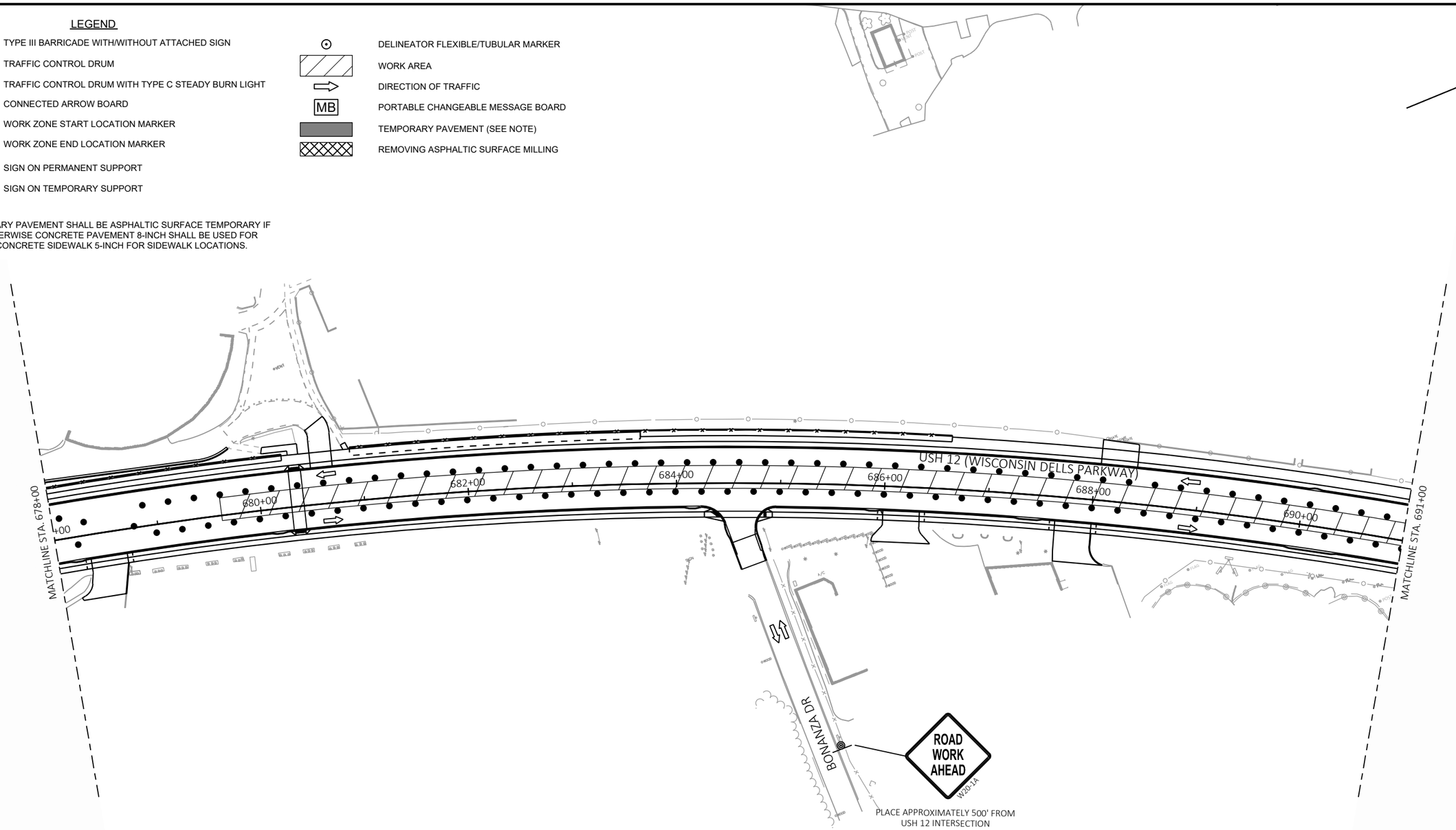


2

LEGEND

TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN	DELINEATOR FLEXIBLE/TUBULAR MARKER
TRAFFIC CONTROL DRUM	WORK AREA
TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT	DIRECTION OF TRAFFIC
CONNECTED ARROW BOARD	PORTABLE CHANGEABLE MESSAGE BOARD
WORK ZONE START LOCATION MARKER	TEMPORARY PAVEMENT (SEE NOTE)
WORK ZONE END LOCATION MARKER	REMOVING ASPHALTIC SURFACE MILLING
SIGN ON PERMANENT SUPPORT	
SIGN ON TEMPORARY SUPPORT	

NOTE: TEMPORARY PAVEMENT SHALL BE ASPHALTIC SURFACE TEMPORARY IF AVAILABLE. OTHERWISE CONCRETE PAVEMENT 8-INCH SHALL BE USED FOR WIDENING AND CONCRETE SIDEWALK 5-INCH FOR SIDEWALK LOCATIONS.



PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	TRAFFIC CONTROL: STAGE 3A	SHEET 550	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\SINGLE LET_ALL IDS\025100_TC_S3.DWG
LAYOUT NAME - 07

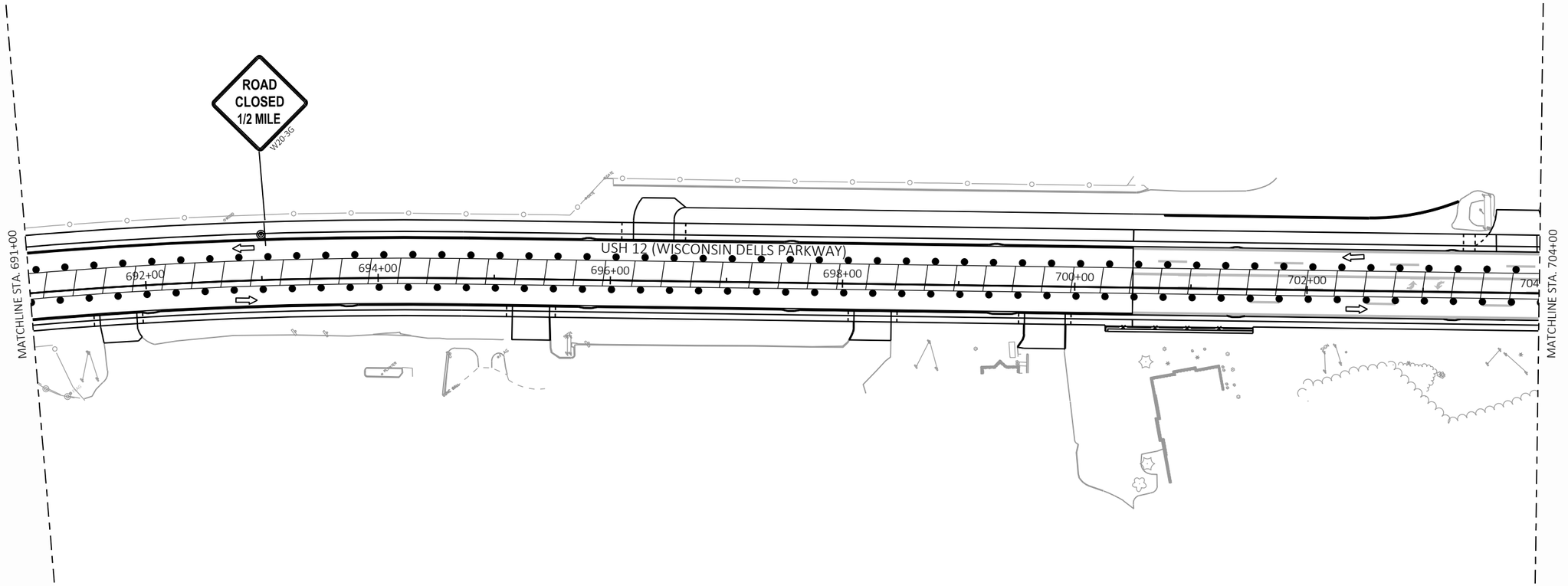
PLOT DATE : 2/11/2026 3:15 PM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- WORK ZONE START LOCATION MARKER
- WORK ZONE END LOCATION MARKER
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- WORK AREA
- DIRECTION OF TRAFFIC
- PORTABLE CHANGEABLE MESSAGE BOARD (MB)
- TEMPORARY PAVEMENT (SEE NOTE)
- REMOVING ASPHALTIC SURFACE MILLING

NOTE: TEMPORARY PAVEMENT SHALL BE ASPHALTIC SURFACE TEMPORARY IF AVAILABLE. OTHERWISE CONCRETE PAVEMENT 8-INCH SHALL BE USED FOR WIDENING AND CONCRETE SIDEWALK 5-INCH FOR SIDEWALK LOCATIONS.



PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	TRAFFIC CONTROL: STAGE 3A	SHEET 551	E

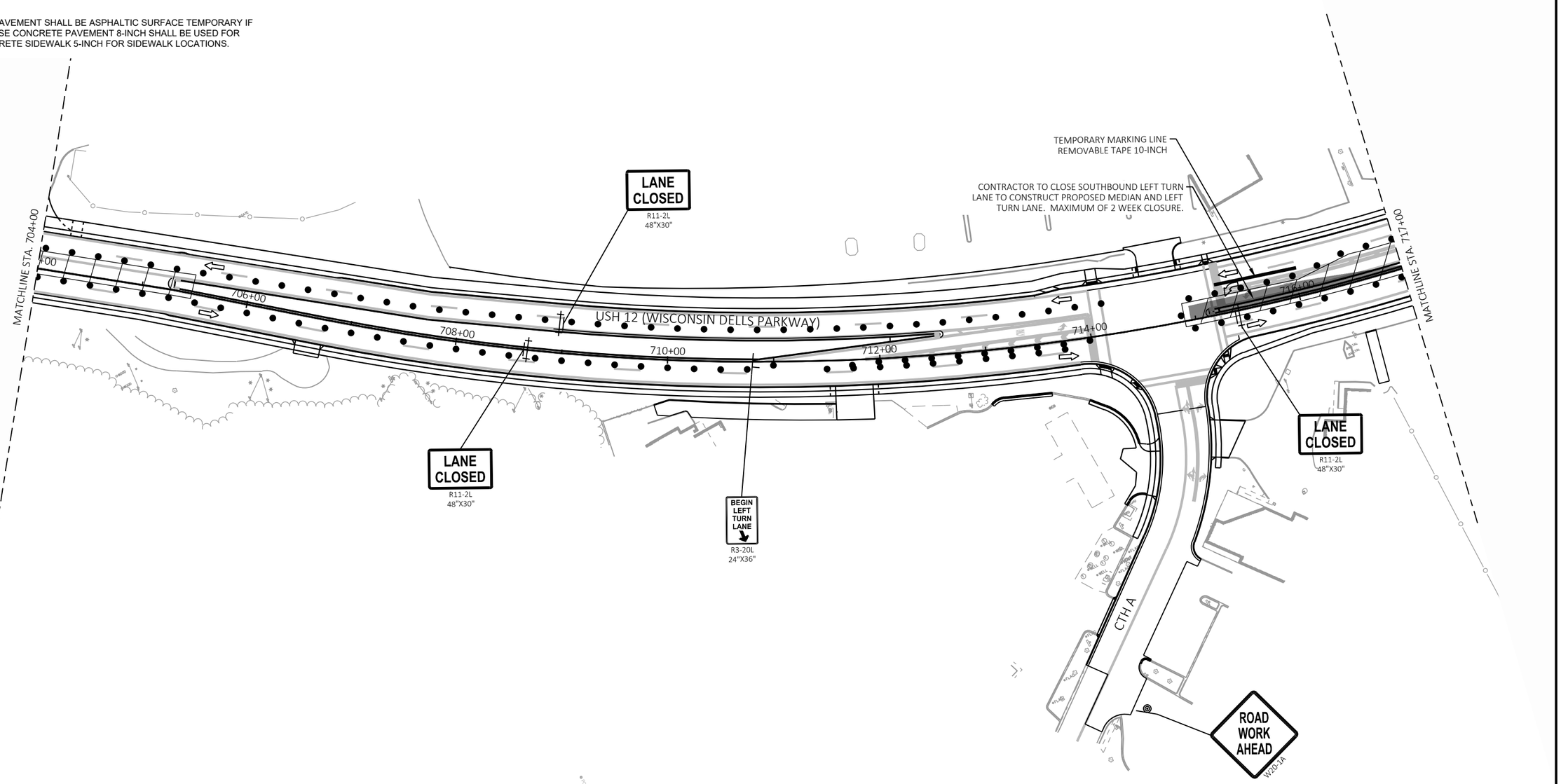
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LAYOUT NAME - 08

PLOT DATE : 2/11/2026 3:15 PM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:100 FT

LEGEND

TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN	DELINEATOR FLEXIBLE/TUBULAR MARKER
TRAFFIC CONTROL DRUM	WORK AREA
TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT	DIRECTION OF TRAFFIC
CONNECTED ARROW BOARD	PORTABLE CHANGEABLE MESSAGE BOARD
WORK ZONE START LOCATION MARKER	TEMPORARY PAVEMENT (SEE NOTE)
WORK ZONE END LOCATION MARKER	REMOVING ASPHALTIC SURFACE MILLING
SIGN ON PERMANENT SUPPORT	
SIGN ON TEMPORARY SUPPORT	

NOTE: TEMPORARY PAVEMENT SHALL BE ASPHALTIC SURFACE TEMPORARY IF AVAILABLE. OTHERWISE CONCRETE PAVEMENT 8-INCH SHALL BE USED FOR WIDENING AND CONCRETE SIDEWALK 5-INCH FOR SIDEWALK LOCATIONS.

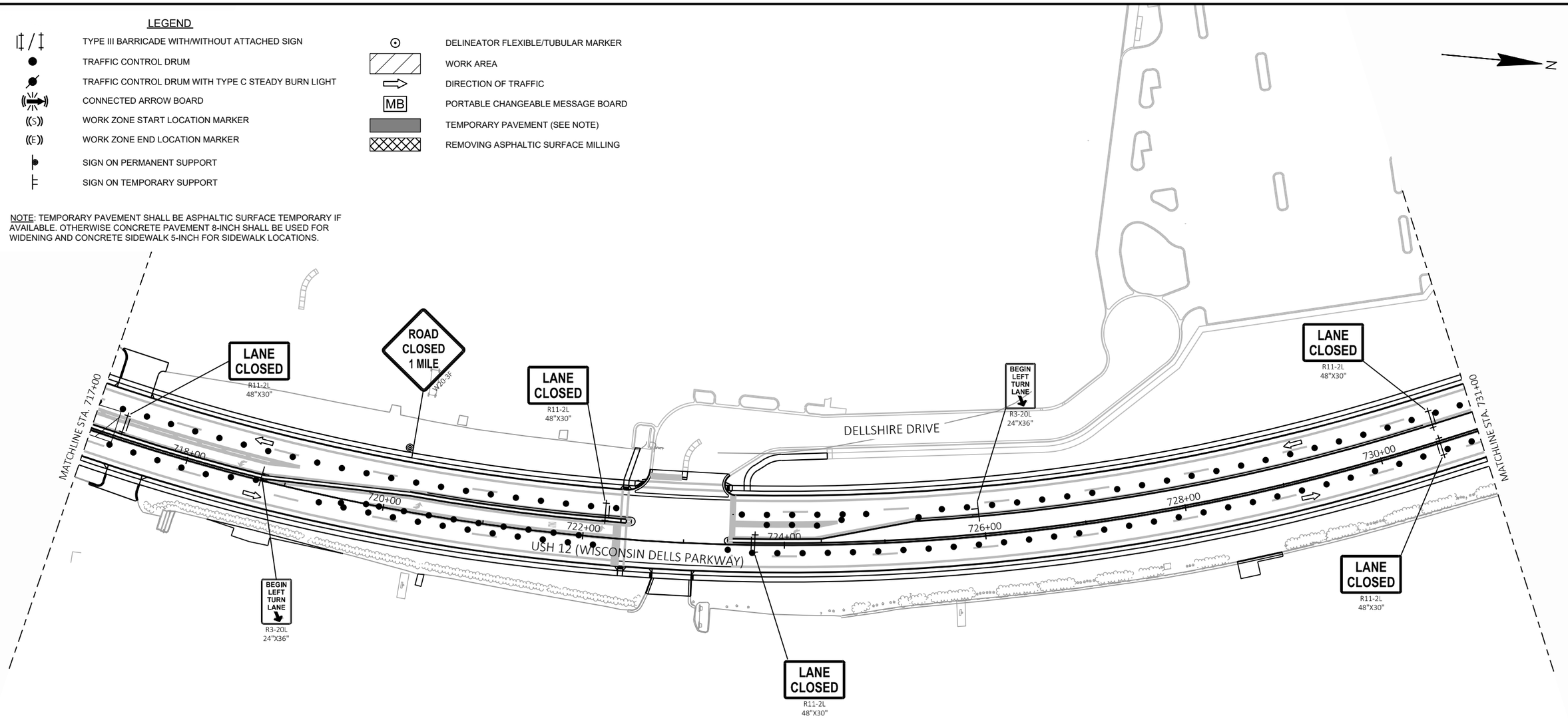


PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	TRAFFIC CONTROL: STAGE 3A	SHEET 552	E

LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- WORK ZONE START LOCATION MARKER
- WORK ZONE END LOCATION MARKER
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- WORK AREA
- DIRECTION OF TRAFFIC
- PORTABLE CHANGEABLE MESSAGE BOARD (MB)
- TEMPORARY PAVEMENT (SEE NOTE)
- REMOVING ASPHALTIC SURFACE MILLING

NOTE: TEMPORARY PAVEMENT SHALL BE ASPHALTIC SURFACE TEMPORARY IF AVAILABLE. OTHERWISE CONCRETE PAVEMENT 8-INCH SHALL BE USED FOR WIDENING AND CONCRETE SIDEWALK 5-INCH FOR SIDEWALK LOCATIONS.

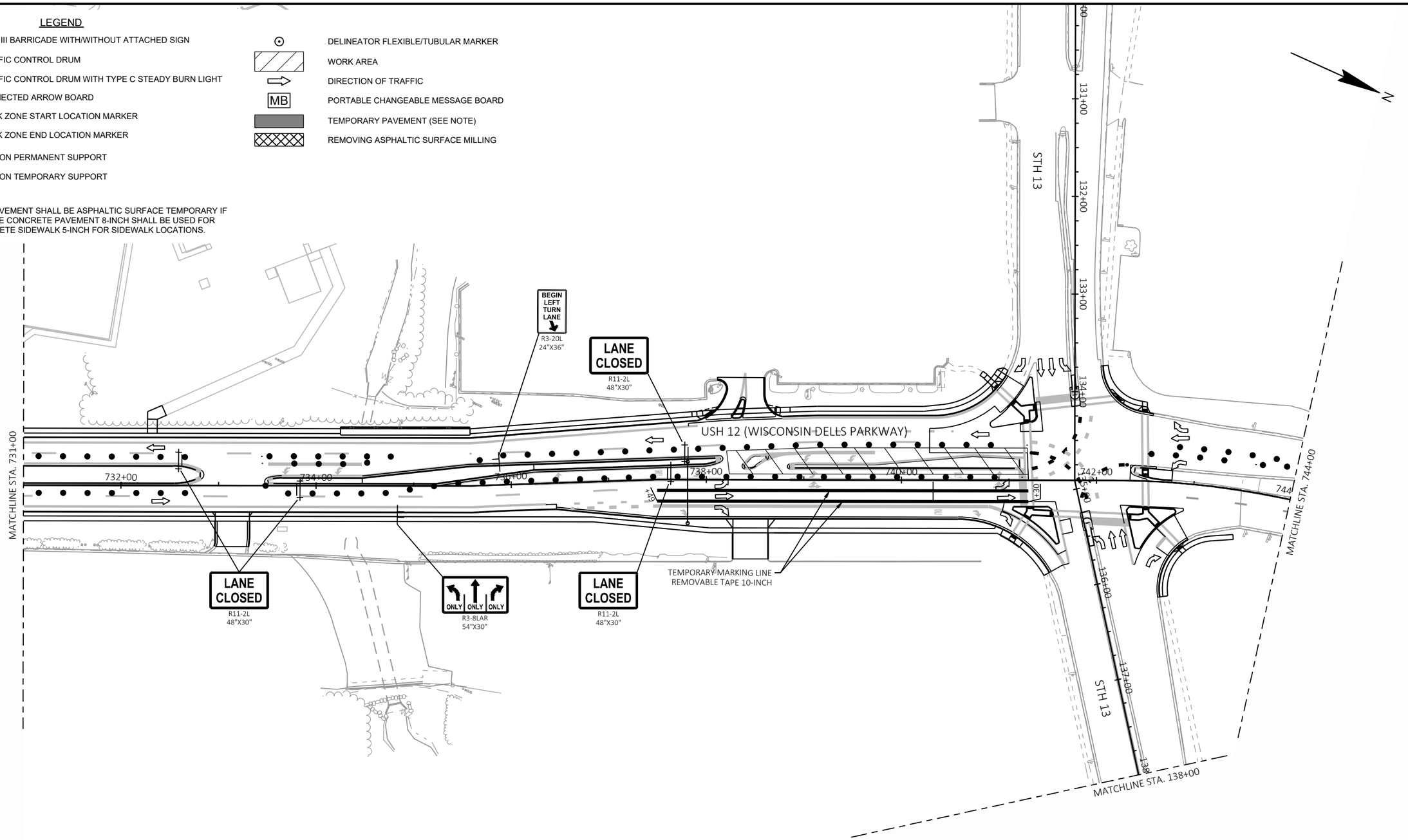


2

LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- WORK ZONE START LOCATION MARKER
- WORK ZONE END LOCATION MARKER
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- WORK AREA
- DIRECTION OF TRAFFIC
- PORTABLE CHANGEABLE MESSAGE BOARD (MB)
- TEMPORARY PAVEMENT (SEE NOTE)
- REMOVING ASPHALTIC SURFACE MILLING

NOTE: TEMPORARY PAVEMENT SHALL BE ASPHALTIC SURFACE TEMPORARY IF AVAILABLE. OTHERWISE CONCRETE PAVEMENT 8-INCH SHALL BE USED FOR WIDENING AND CONCRETE SIDEWALK 5-INCH FOR SIDEWALK LOCATIONS.



PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	TRAFFIC CONTROL: STAGE 3A	SHEET 554	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\SINGLE LET_ALL IDS\025100_TC_S3.DWG
LAYOUT NAME - 11

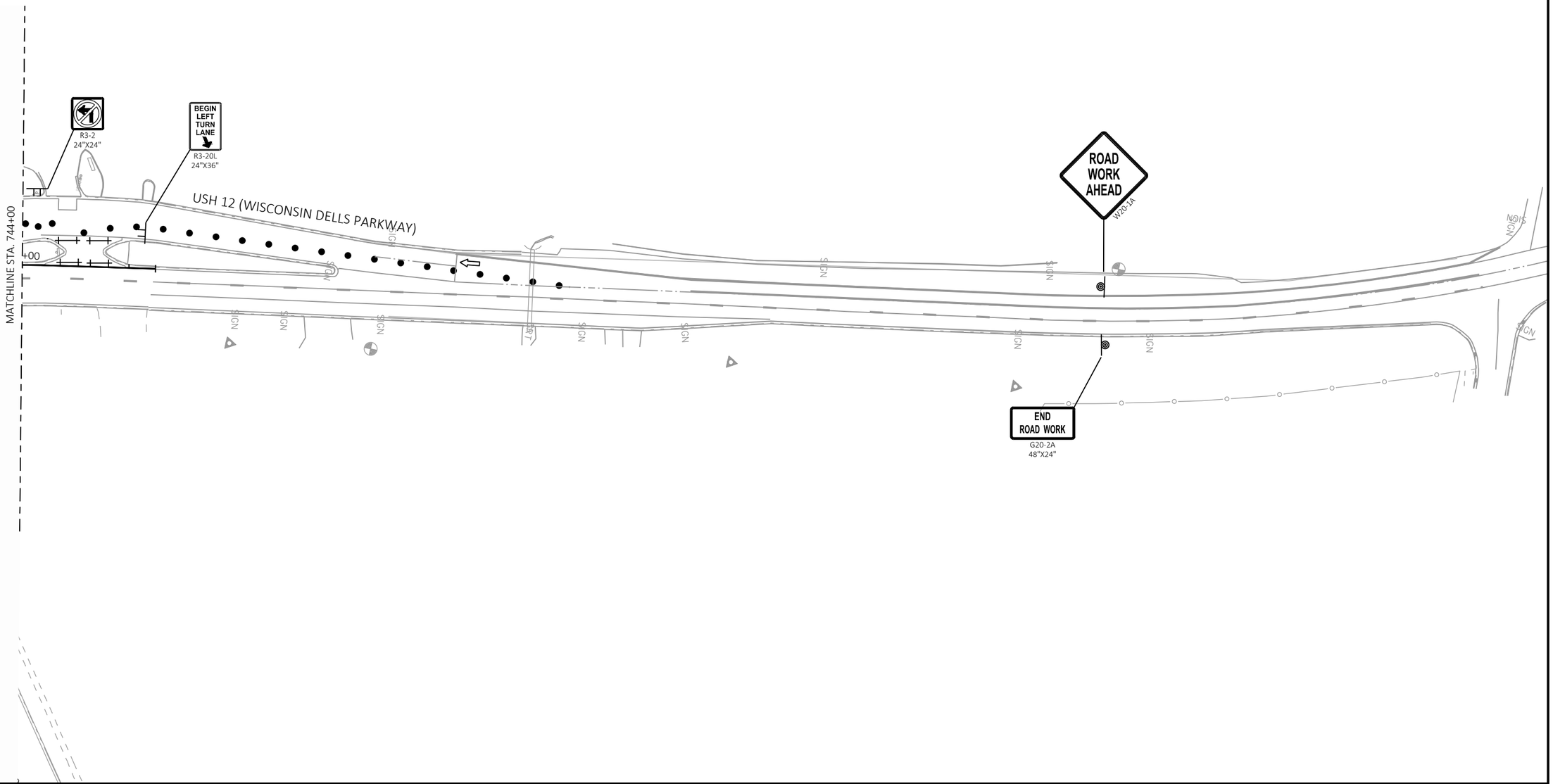
PLOT DATE : 2/11/2026 3:16 PM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:100 FT

LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- WORK ZONE START LOCATION MARKER
- WORK ZONE END LOCATION MARKER
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- WORK AREA
- DIRECTION OF TRAFFIC
- PORTABLE CHANGEABLE MESSAGE BOARD (MB)
- TEMPORARY PAVEMENT (SEE NOTE)
- REMOVING ASPHALTIC SURFACE MILLING

N

NOTE: TEMPORARY PAVEMENT SHALL BE ASPHALTIC SURFACE TEMPORARY IF AVAILABLE. OTHERWISE CONCRETE PAVEMENT 8-INCH SHALL BE USED FOR WIDENING AND CONCRETE SIDEWALK 5-INCH FOR SIDEWALK LOCATIONS.



PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	TRAFFIC CONTROL: STAGE 3A	SHEET 555	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\SINGLE LET_ALL IDS\025100_TC_S3.DWG
LAYOUT NAME - 12

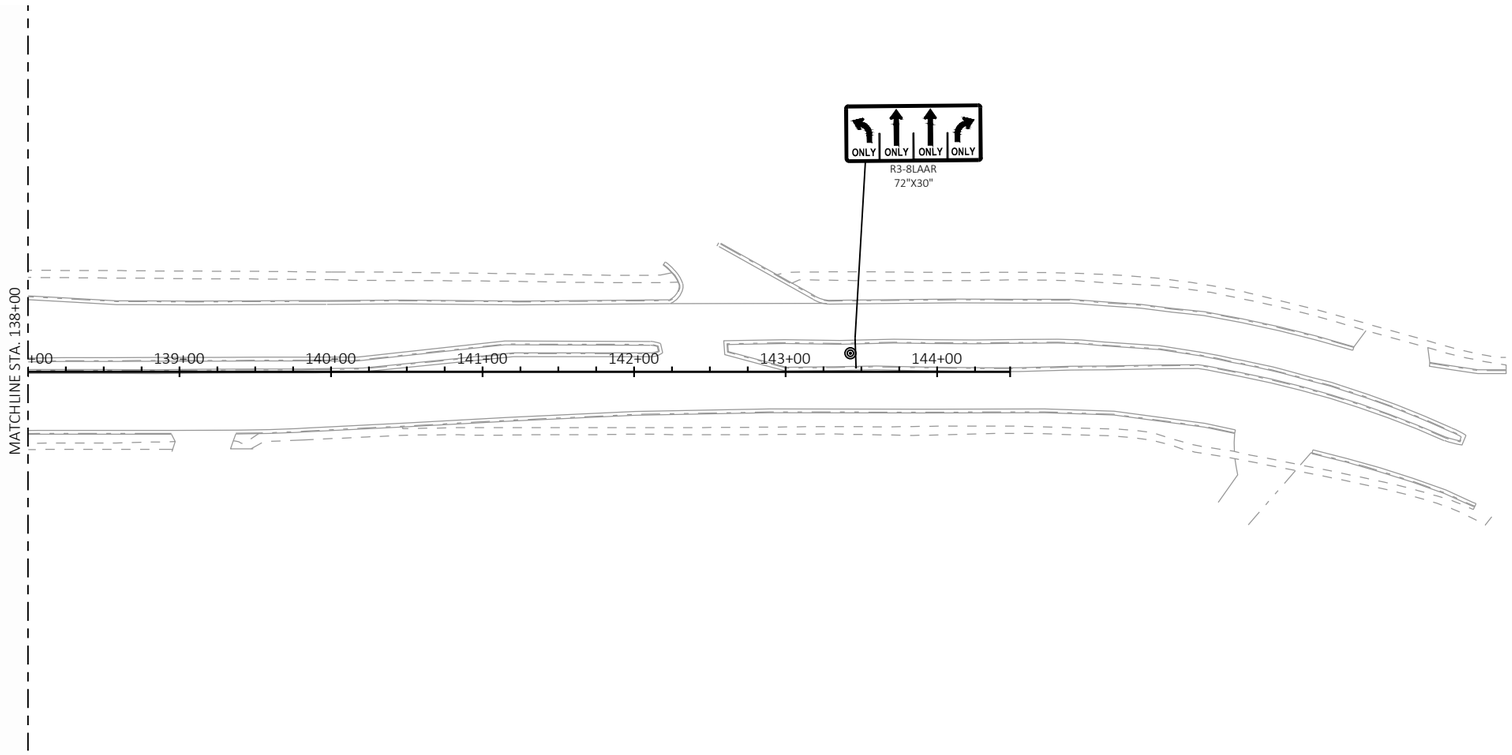
PLOT DATE : 2/11/2026 3:16 PM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

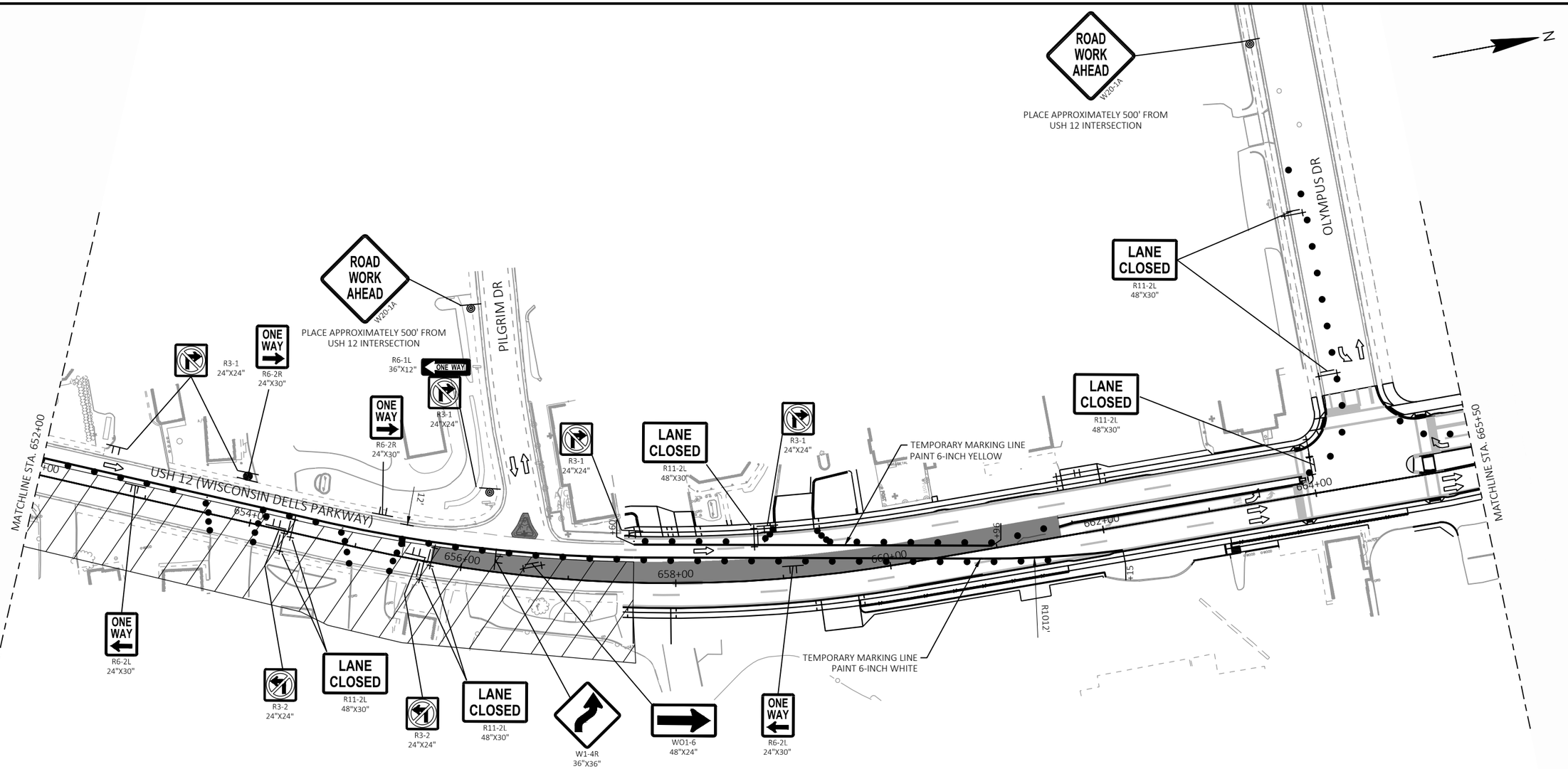
LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- WORK ZONE START LOCATION MARKER
- WORK ZONE END LOCATION MARKER
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- WORK AREA
- DIRECTION OF TRAFFIC
- PORTABLE CHANGEABLE MESSAGE BOARD (MB)
- TEMPORARY PAVEMENT (SEE NOTE)
- REMOVING ASPHALTIC SURFACE MILLING

NOTE: TEMPORARY PAVEMENT SHALL BE ASPHALTIC SURFACE TEMPORARY IF AVAILABLE. OTHERWISE CONCRETE PAVEMENT 8-INCH SHALL BE USED FOR WIDENING AND CONCRETE SIDEWALK 5-INCH FOR SIDEWALK LOCATIONS.



2



LEGEND

TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN	DELINEATOR FLEXIBLE/TUBULAR MARKER
TRAFFIC CONTROL DRUM	WORK AREA
TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT	DIRECTION OF TRAFFIC
CONNECTED ARROW BOARD	PORTABLE CHANGEABLE MESSAGE BOARD
WORK ZONE START LOCATION MARKER	TEMPORARY PAVEMENT (SEE NOTE)
WORK ZONE END LOCATION MARKER	REMOVING ASPHALTIC SURFACE MILLING
SIGN ON PERMANENT SUPPORT	
SIGN ON TEMPORARY SUPPORT	

NOTE: TEMPORARY PAVEMENT SHALL BE ASPHALTIC SURFACE TEMPORARY IF AVAILABLE. OTHERWISE CONCRETE PAVEMENT 8-INCH SHALL BE USED FOR WIDENING AND CONCRETE SIDEWALK 5-INCH FOR SIDEWALK LOCATIONS.

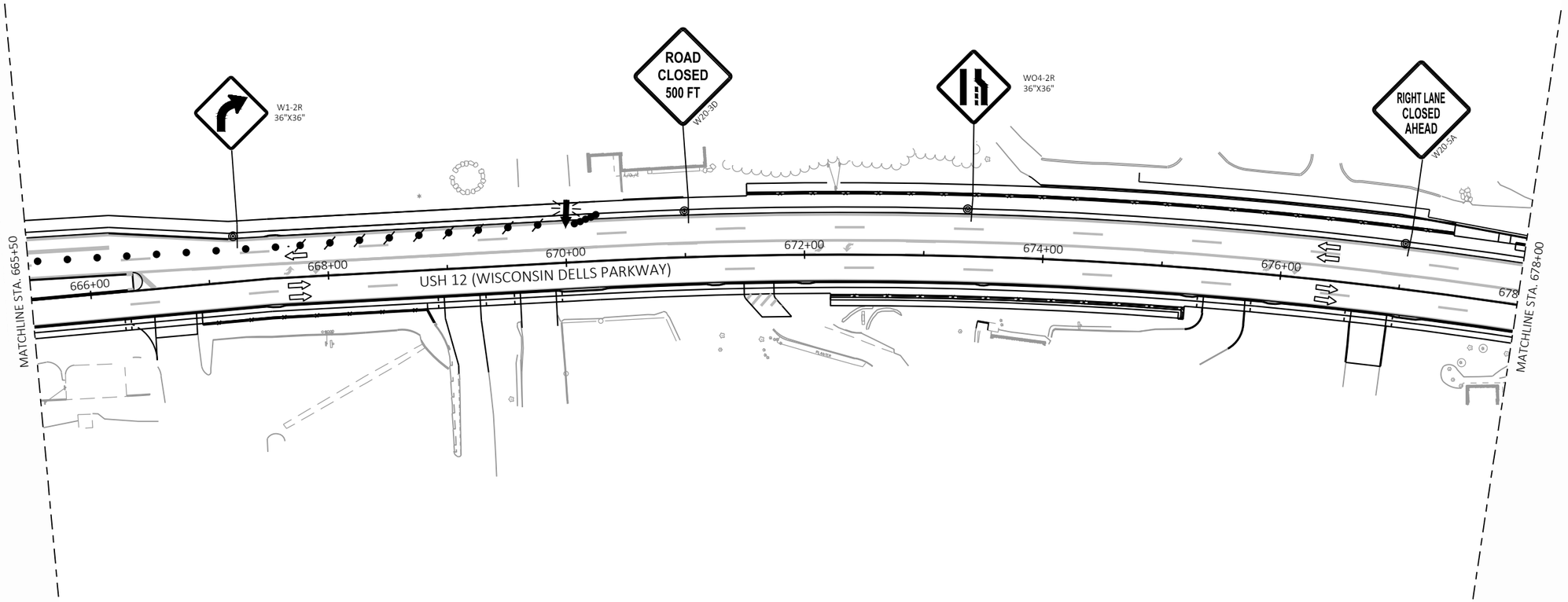
PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	TRAFFIC CONTROL: STAGE 3B	SHEET 557	E

LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- WORK ZONE START LOCATION MARKER
- WORK ZONE END LOCATION MARKER
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- WORK AREA
- DIRECTION OF TRAFFIC
- PORTABLE CHANGEABLE MESSAGE BOARD (MB)
- TEMPORARY PAVEMENT (SEE NOTE)
- REMOVING ASPHALTIC SURFACE MILLING

N

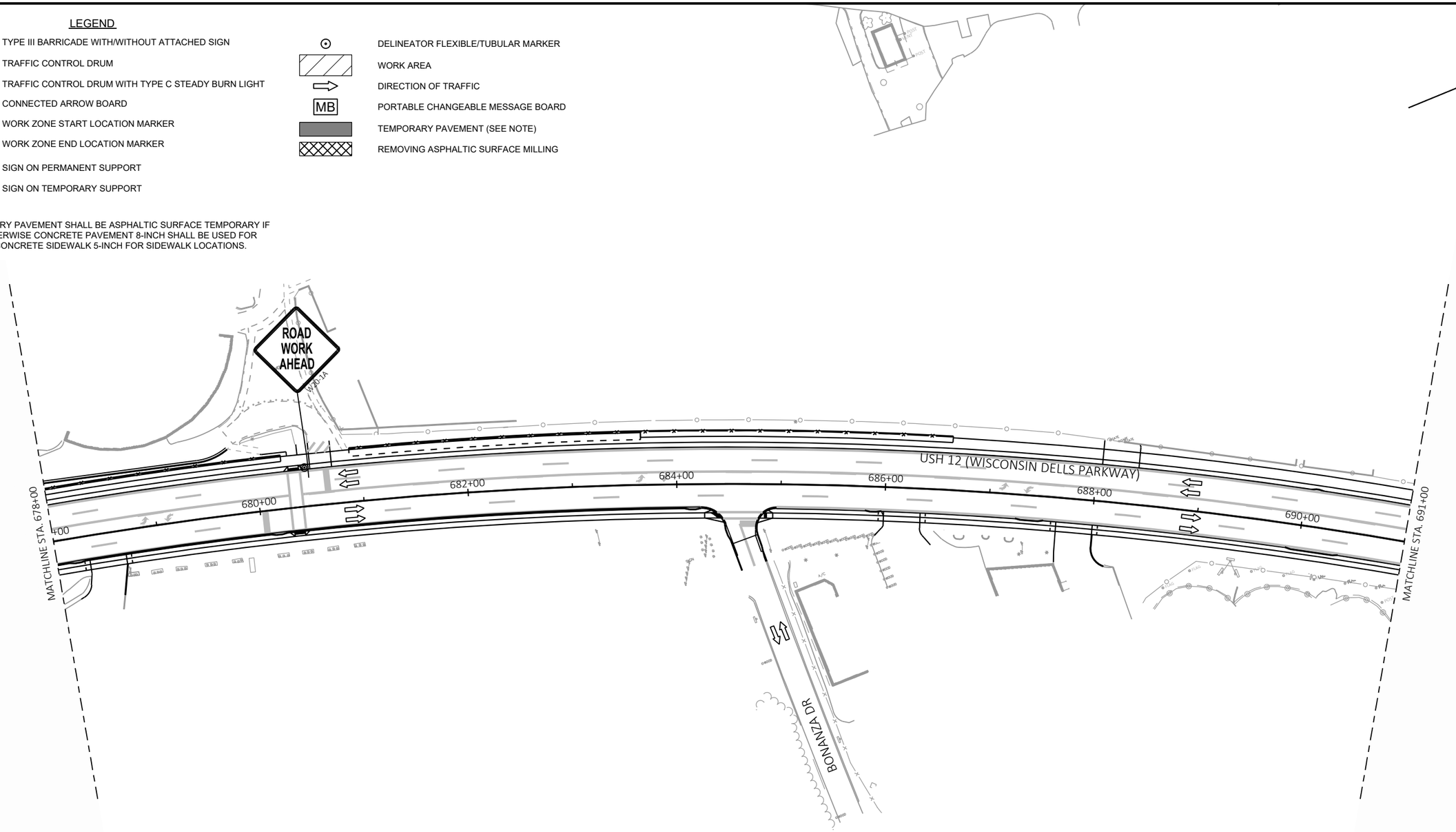
NOTE: TEMPORARY PAVEMENT SHALL BE ASPHALTIC SURFACE TEMPORARY IF AVAILABLE. OTHERWISE CONCRETE PAVEMENT 8-INCH SHALL BE USED FOR WIDENING AND CONCRETE SIDEWALK 5-INCH FOR SIDEWALK LOCATIONS.



LEGEND

TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN	DELINEATOR FLEXIBLE/TUBULAR MARKER
TRAFFIC CONTROL DRUM	WORK AREA
TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT	DIRECTION OF TRAFFIC
CONNECTED ARROW BOARD	PORTABLE CHANGEABLE MESSAGE BOARD
WORK ZONE START LOCATION MARKER	TEMPORARY PAVEMENT (SEE NOTE)
WORK ZONE END LOCATION MARKER	REMOVING ASPHALTIC SURFACE MILLING
SIGN ON PERMANENT SUPPORT	
SIGN ON TEMPORARY SUPPORT	

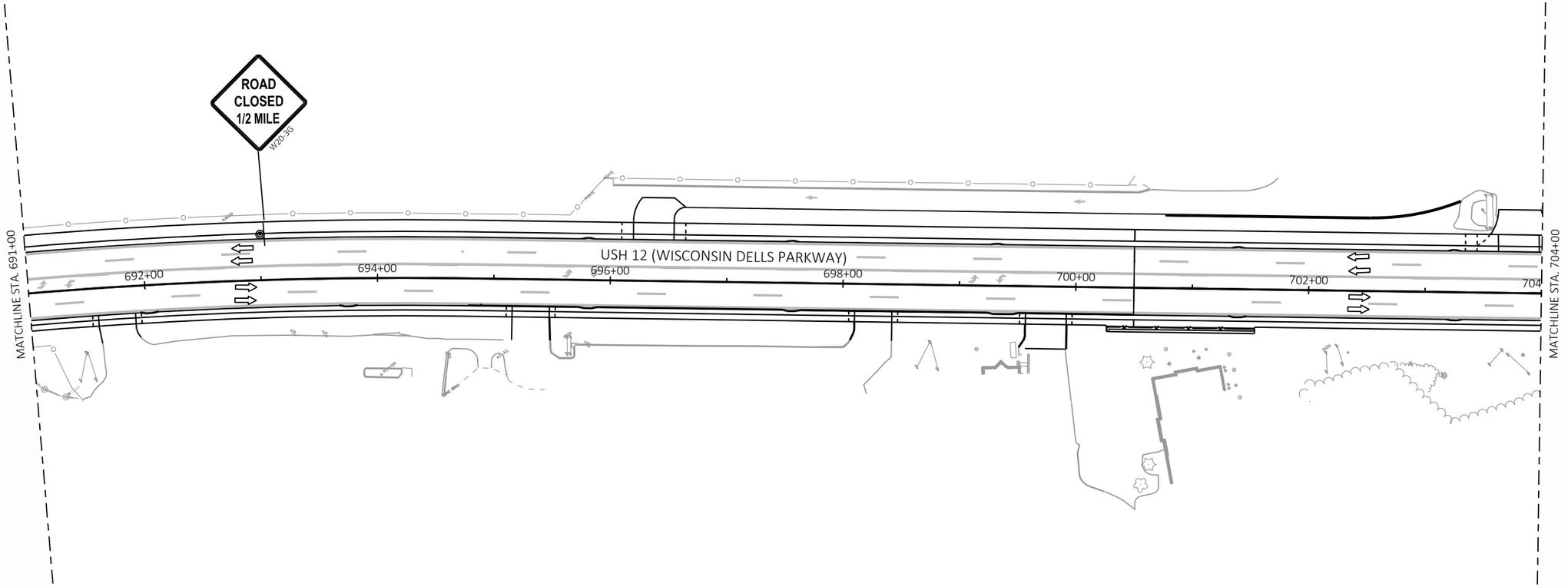
NOTE: TEMPORARY PAVEMENT SHALL BE ASPHALTIC SURFACE TEMPORARY IF AVAILABLE. OTHERWISE CONCRETE PAVEMENT 8-INCH SHALL BE USED FOR WIDENING AND CONCRETE SIDEWALK 5-INCH FOR SIDEWALK LOCATIONS.



LEGEND

	TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN		DELINEATOR FLEXIBLE/TUBULAR MARKER
	TRAFFIC CONTROL DRUM		WORK AREA
	TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT		DIRECTION OF TRAFFIC
	CONNECTED ARROW BOARD	MB	PORTABLE CHANGEABLE MESSAGE BOARD
(S)	WORK ZONE START LOCATION MARKER		TEMPORARY PAVEMENT (SEE NOTE)
(E)	WORK ZONE END LOCATION MARKER		REMOVING ASPHALTIC SURFACE MILLING
	SIGN ON PERMANENT SUPPORT		
	SIGN ON TEMPORARY SUPPORT		

NOTE: TEMPORARY PAVEMENT SHALL BE ASPHALTIC SURFACE TEMPORARY IF AVAILABLE. OTHERWISE CONCRETE PAVEMENT 8-INCH SHALL BE USED FOR WIDENING AND CONCRETE SIDEWALK 5-INCH FOR SIDEWALK LOCATIONS.

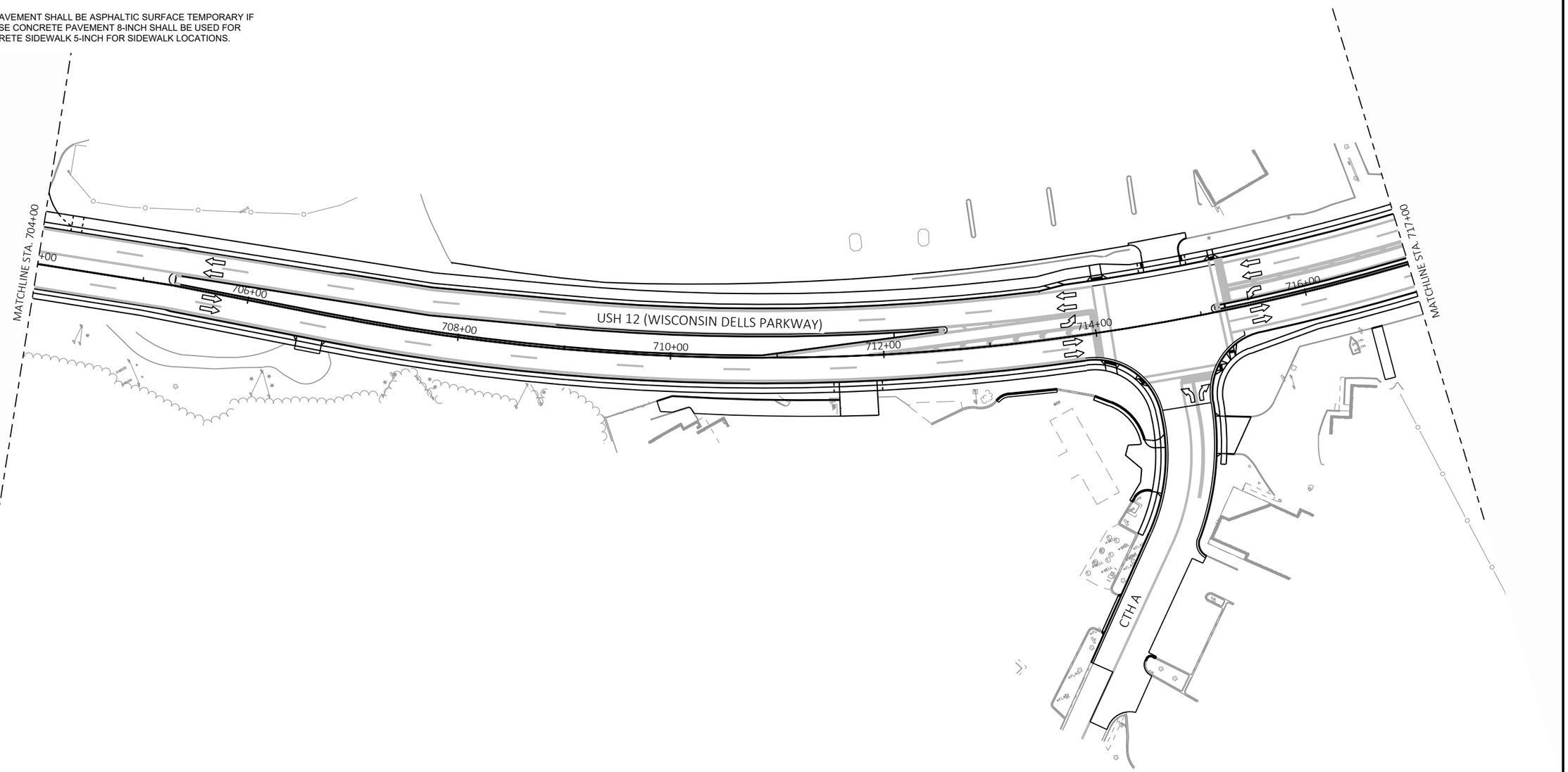


2

LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- WORK ZONE START LOCATION MARKER
- WORK ZONE END LOCATION MARKER
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- WORK AREA
- DIRECTION OF TRAFFIC
- PORTABLE CHANGEABLE MESSAGE BOARD (MB)
- TEMPORARY PAVEMENT (SEE NOTE)
- REMOVING ASPHALTIC SURFACE MILLING

NOTE: TEMPORARY PAVEMENT SHALL BE ASPHALTIC SURFACE TEMPORARY IF AVAILABLE. OTHERWISE CONCRETE PAVEMENT 8-INCH SHALL BE USED FOR WIDENING AND CONCRETE SIDEWALK 5-INCH FOR SIDEWALK LOCATIONS.

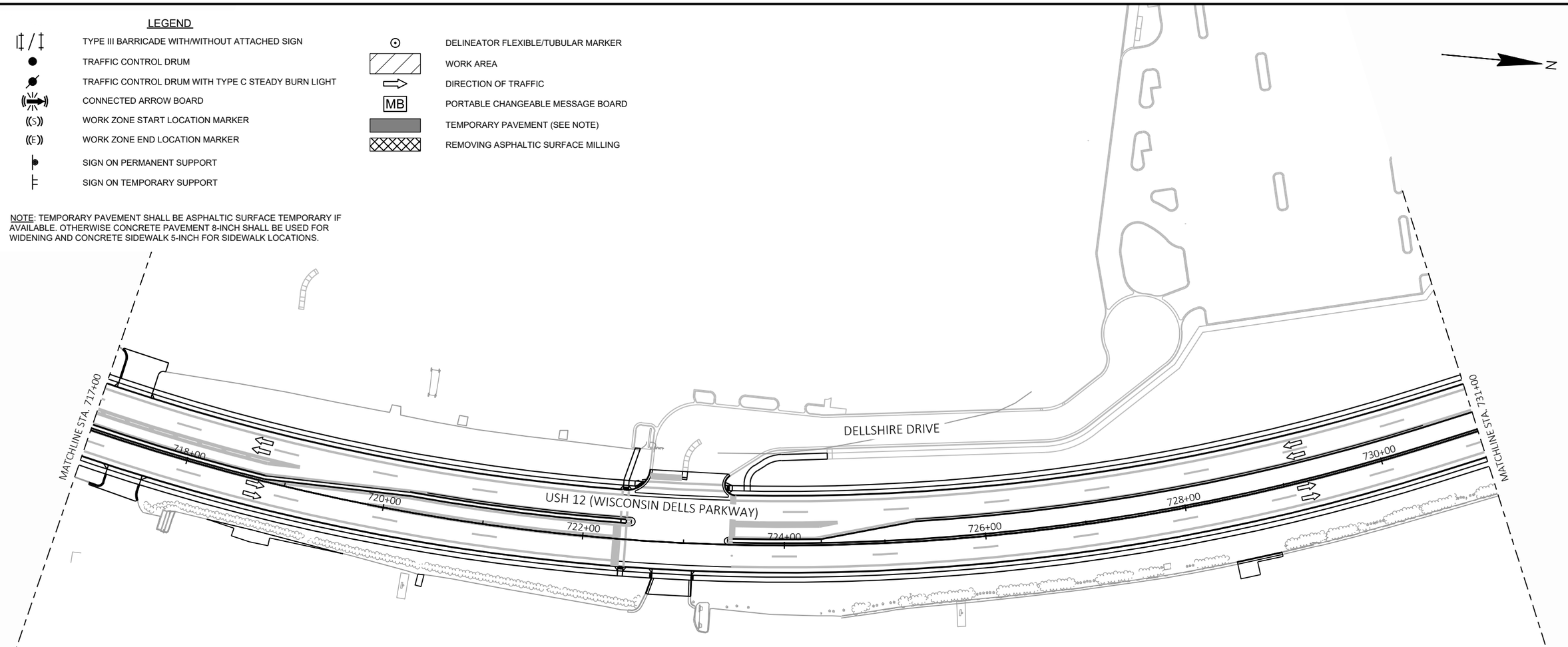


PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	TRAFFIC CONTROL: STAGE 3B	SHEET 561	E

LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- WORK ZONE START LOCATION MARKER
- WORK ZONE END LOCATION MARKER
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- WORK AREA
- DIRECTION OF TRAFFIC
- PORTABLE CHANGEABLE MESSAGE BOARD (MB)
- TEMPORARY PAVEMENT (SEE NOTE)
- REMOVING ASPHALTIC SURFACE MILLING

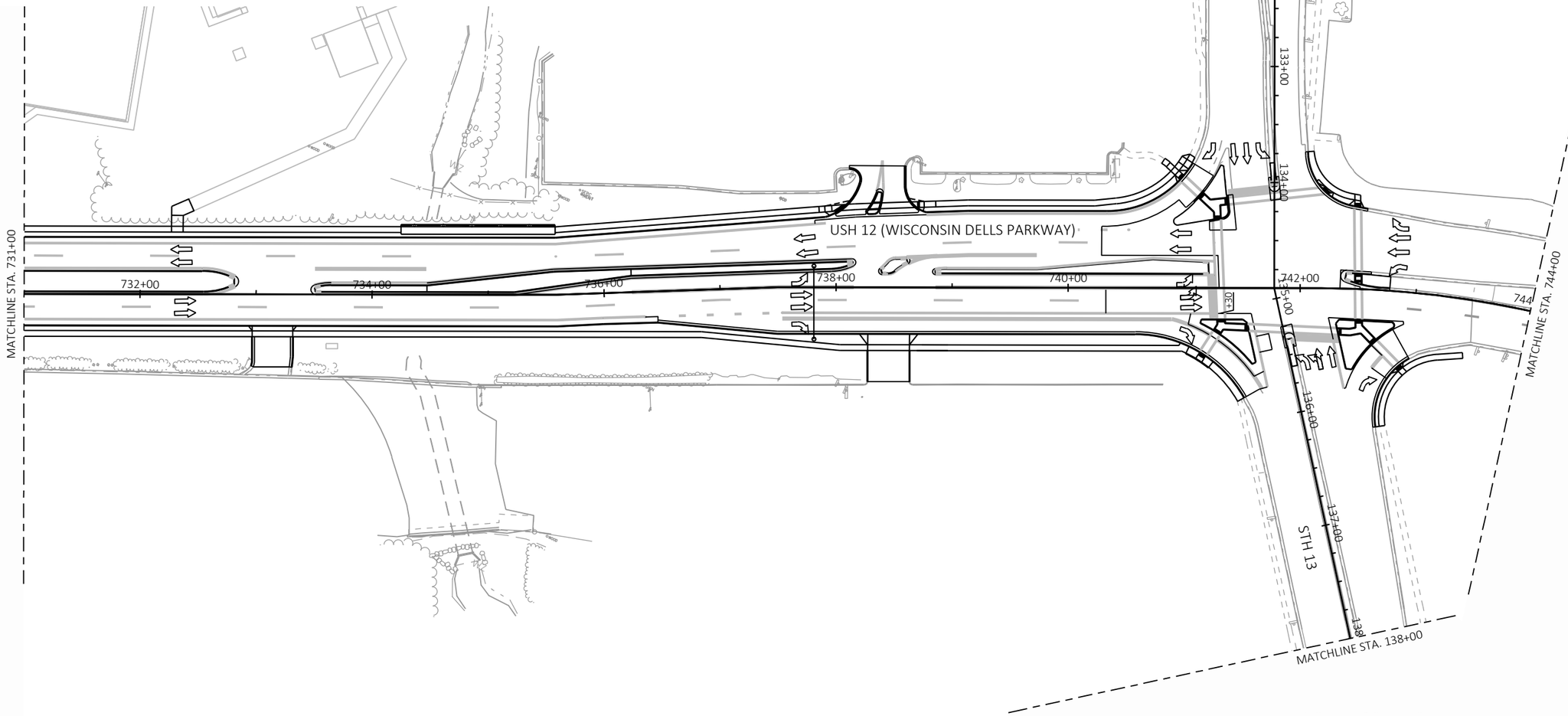
NOTE: TEMPORARY PAVEMENT SHALL BE ASPHALTIC SURFACE TEMPORARY IF AVAILABLE. OTHERWISE CONCRETE PAVEMENT 8-INCH SHALL BE USED FOR WIDENING AND CONCRETE SIDEWALK 5-INCH FOR SIDEWALK LOCATIONS.



LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- WORK ZONE START LOCATION MARKER
- WORK ZONE END LOCATION MARKER
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- WORK AREA
- DIRECTION OF TRAFFIC
- PORTABLE CHANGEABLE MESSAGE BOARD
- TEMPORARY PAVEMENT (SEE NOTE)
- REMOVING ASPHALTIC SURFACE MILLING

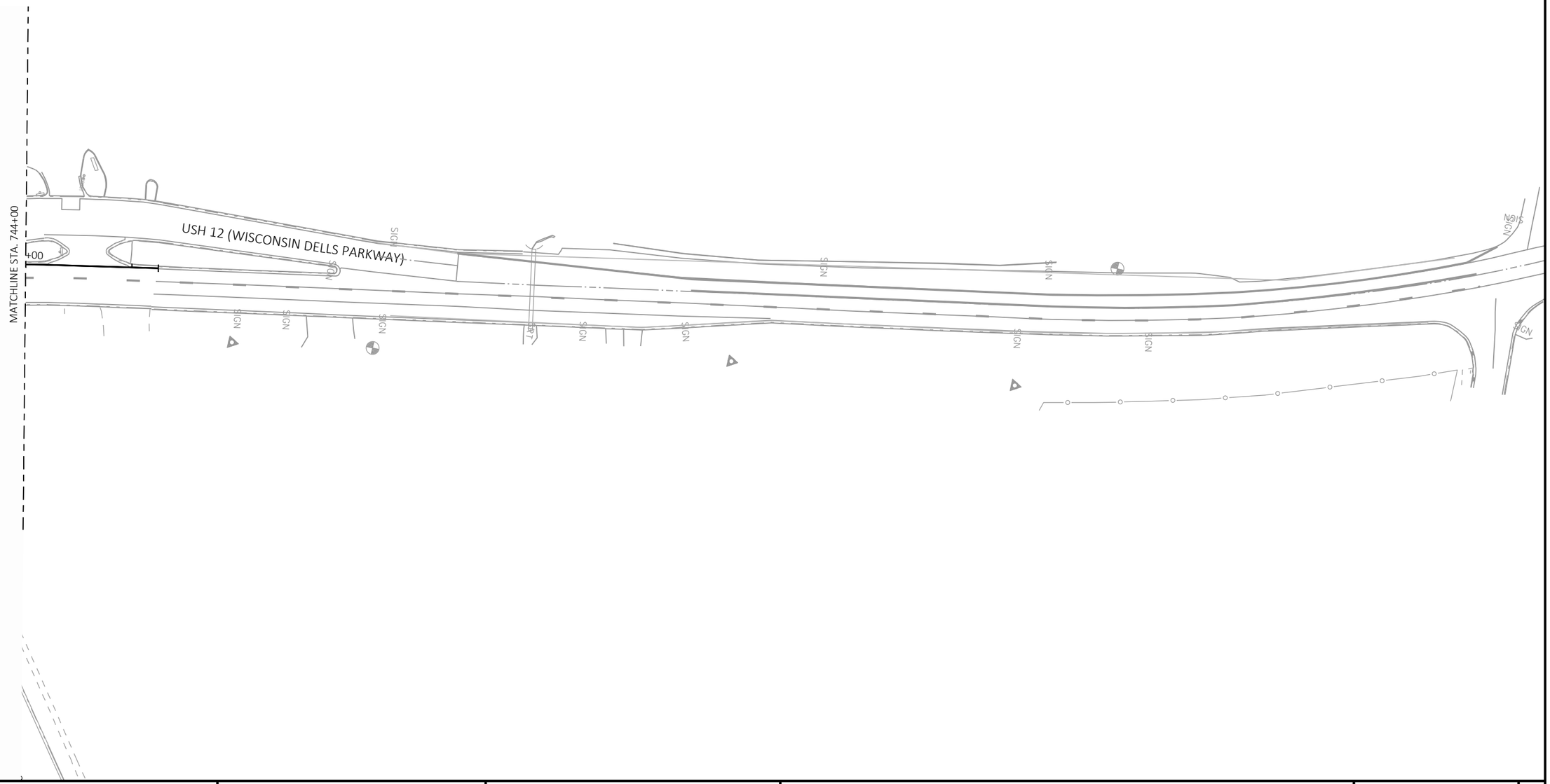
NOTE: TEMPORARY PAVEMENT SHALL BE ASPHALTIC SURFACE TEMPORARY IF AVAILABLE. OTHERWISE CONCRETE PAVEMENT 8-INCH SHALL BE USED FOR WIDENING AND CONCRETE SIDEWALK 5-INCH FOR SIDEWALK LOCATIONS.



LEGEND

TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN	DELINEATOR FLEXIBLE/TUBULAR MARKER
TRAFFIC CONTROL DRUM	WORK AREA
TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT	DIRECTION OF TRAFFIC
CONNECTED ARROW BOARD	PORTABLE CHANGEABLE MESSAGE BOARD
WORK ZONE START LOCATION MARKER	TEMPORARY PAVEMENT (SEE NOTE)
WORK ZONE END LOCATION MARKER	REMOVING ASPHALTIC SURFACE MILLING
SIGN ON PERMANENT SUPPORT	
SIGN ON TEMPORARY SUPPORT	

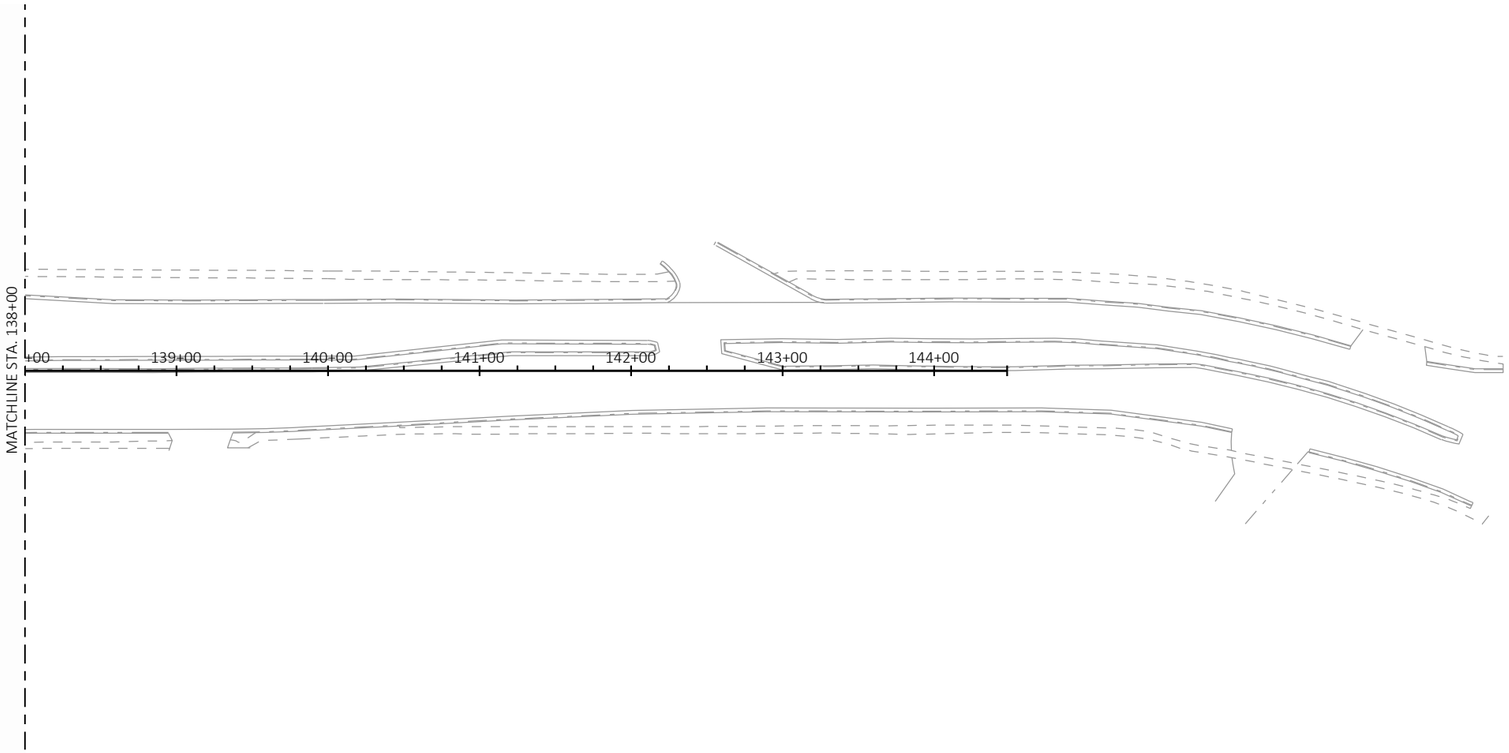
NOTE: TEMPORARY PAVEMENT SHALL BE ASPHALTIC SURFACE TEMPORARY IF AVAILABLE. OTHERWISE CONCRETE PAVEMENT 8-INCH SHALL BE USED FOR WIDENING AND CONCRETE SIDEWALK 5-INCH FOR SIDEWALK LOCATIONS.


MATCHLINE STA. 744+00
744+00
USH 12 (WISCONSIN DELLS PARKWAY)
SIGN
SIGN
SIGN

LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- WORK ZONE START LOCATION MARKER
- WORK ZONE END LOCATION MARKER
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- WORK AREA
- DIRECTION OF TRAFFIC
- PORTABLE CHANGEABLE MESSAGE BOARD (MB)
- TEMPORARY PAVEMENT (SEE NOTE)
- REMOVING ASPHALTIC SURFACE MILLING

NOTE: TEMPORARY PAVEMENT SHALL BE ASPHALTIC SURFACE TEMPORARY IF AVAILABLE. OTHERWISE CONCRETE PAVEMENT 8-INCH SHALL BE USED FOR WIDENING AND CONCRETE SIDEWALK 5-INCH FOR SIDEWALK LOCATIONS.



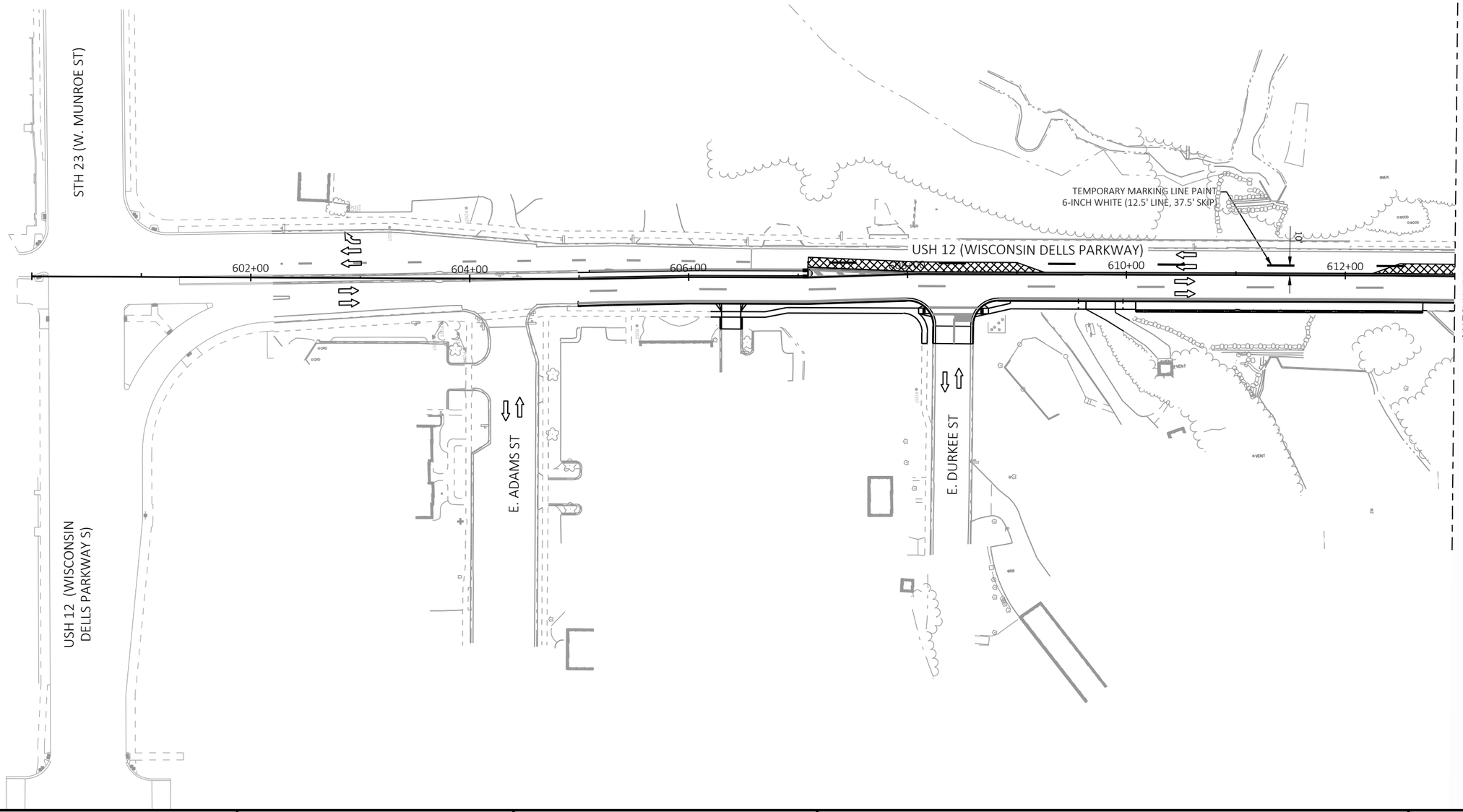
2

PROJECT NO: 6145-01-72/73/74	HWY: STH 13	COUNTY: SAUK	TRAFFIC CONTROL: STAGE 3B	SHEET 565	E

LEGEND

- DELINEATOR FLEXIBLE/TUBULAR MARKER
- WORK AREA
- DIRECTION OF TRAFFIC
- TEMPORARY PAVEMENT (SEE NOTE)
- REMOVING ASPHALTIC SURFACE MILLING
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- CHANNELIZING CURB SYSTEM

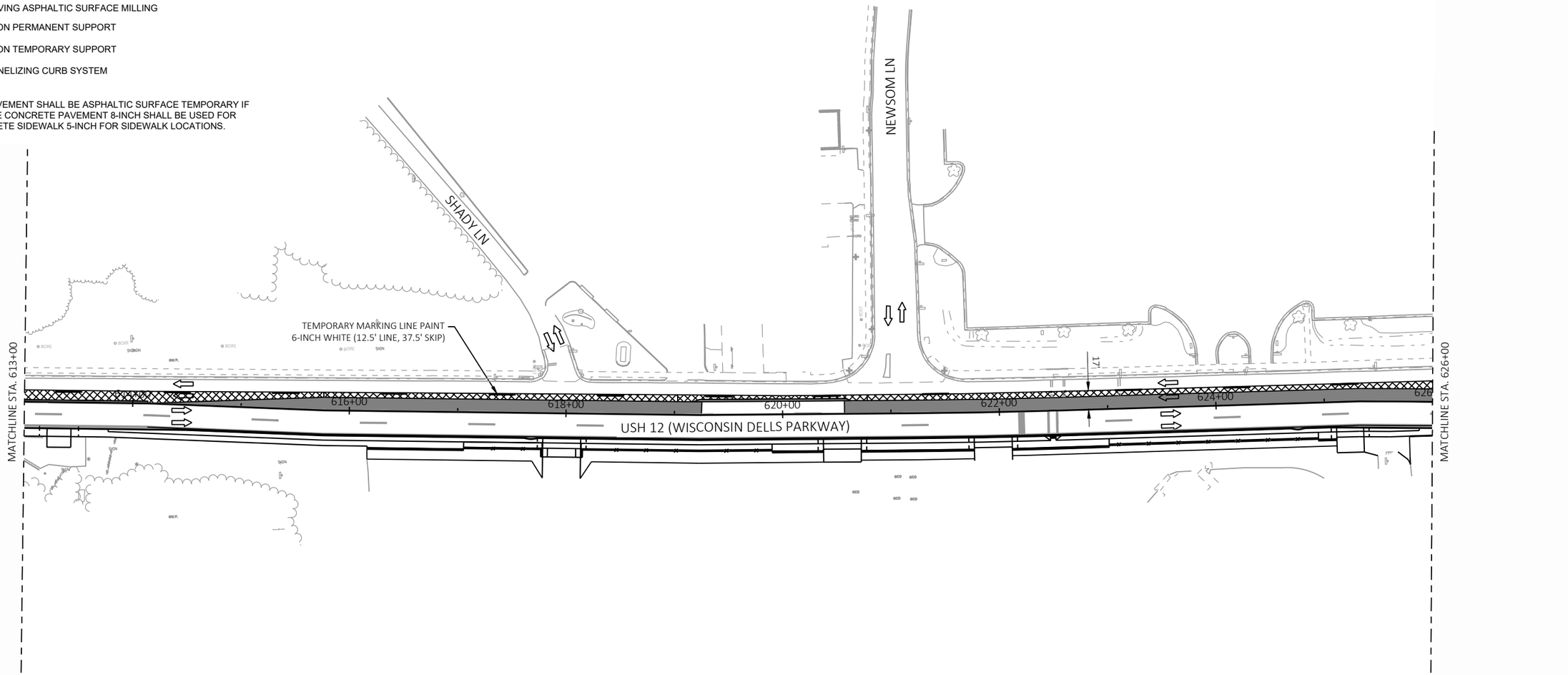
NOTE: TEMPORARY PAVEMENT SHALL BE ASPHALTIC SURFACE TEMPORARY IF AVAILABLE. OTHERWISE CONCRETE PAVEMENT 8-INCH SHALL BE USED FOR WIDENING AND CONCRETE SIDEWALK 5-INCH FOR SIDEWALK LOCATIONS.



LEGEND

- DELINEATOR FLEXIBLE/TUBULAR MARKER
- WORK AREA
- DIRECTION OF TRAFFIC
- TEMPORARY PAVEMENT (SEE NOTE)
- REMOVING ASPHALTIC SURFACE MILLING
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- CHANNELIZING CURB SYSTEM

NOTE: TEMPORARY PAVEMENT SHALL BE ASPHALTIC SURFACE TEMPORARY IF AVAILABLE. OTHERWISE CONCRETE PAVEMENT 8-INCH SHALL BE USED FOR WIDENING AND CONCRETE SIDEWALK 5-INCH FOR SIDEWALK LOCATIONS.



2

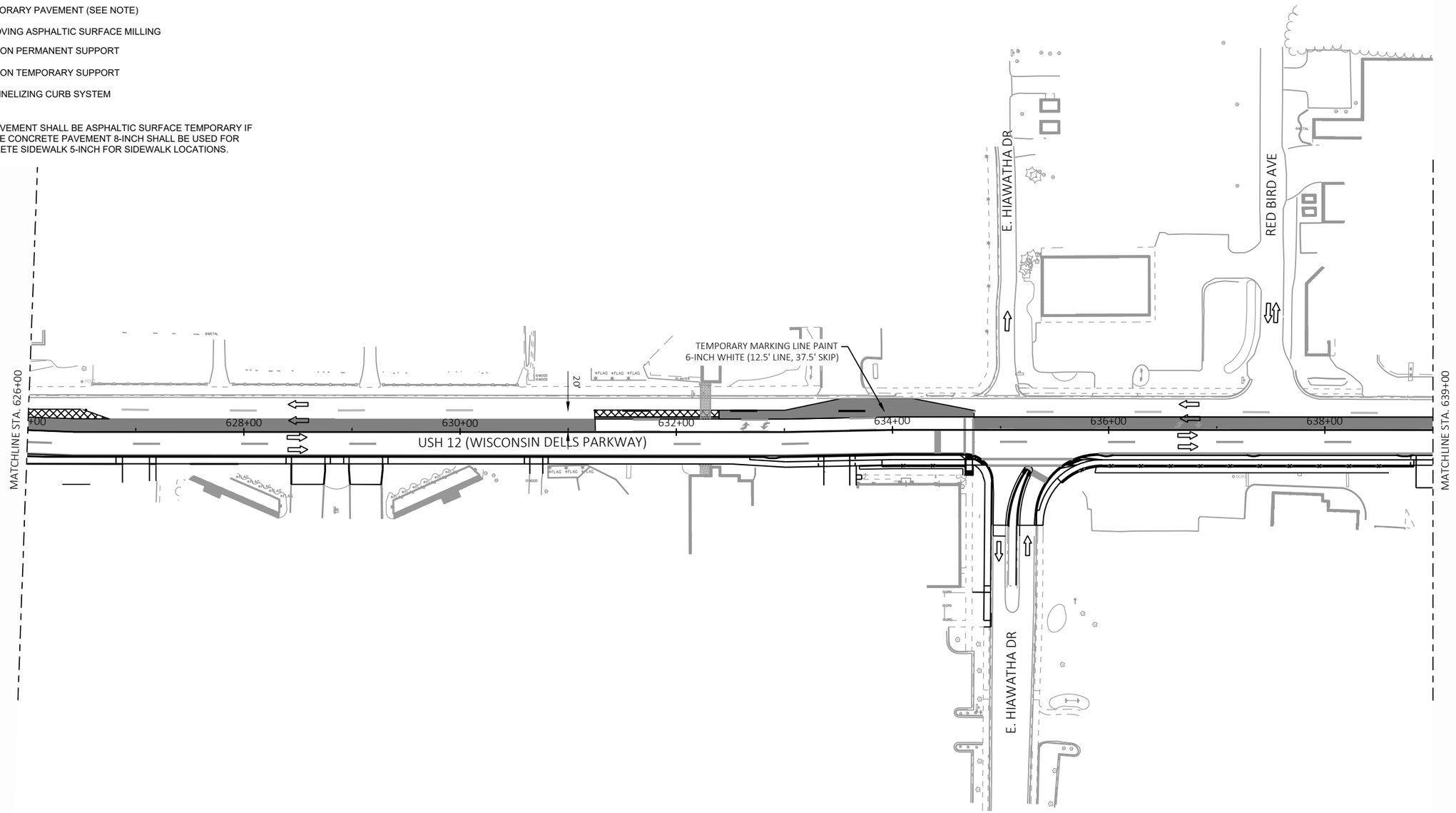
PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	TRAFFIC CONTROL: POST STAGE 3	SHEET 567	E

LEGEND

- DELINEATOR FLEXIBLE/TUBULAR MARKER
- WORK AREA
- DIRECTION OF TRAFFIC
- TEMPORARY PAVEMENT (SEE NOTE)
- REMOVING ASPHALTIC SURFACE MILLING
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- CHANNELIZING CURB SYSTEM

NOTE: TEMPORARY PAVEMENT SHALL BE ASPHALTIC SURFACE TEMPORARY IF AVAILABLE. OTHERWISE CONCRETE PAVEMENT 8-INCH SHALL BE USED FOR WIDENING AND CONCRETE SIDEWALK 5-INCH FOR SIDEWALK LOCATIONS.

N



2

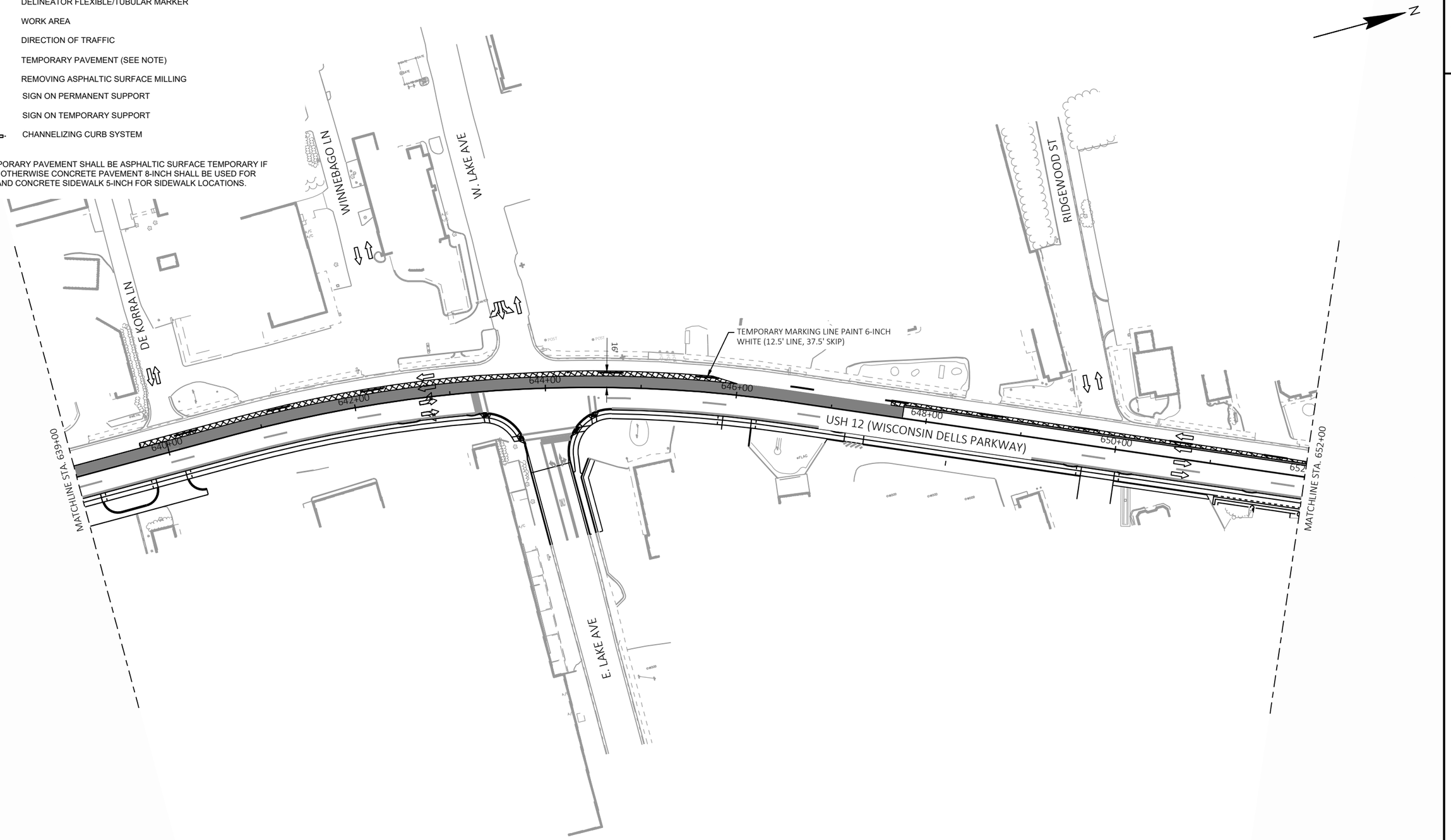
PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	TRAFFIC CONTROL: POST STAGE 3	SHEET 568	E

2

LEGEND

- DELINEATOR FLEXIBLE/TUBULAR MARKER
- WORK AREA
- DIRECTION OF TRAFFIC
- TEMPORARY PAVEMENT (SEE NOTE)
- REMOVING ASPHALTIC SURFACE MILLING
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- CHANNELIZING CURB SYSTEM

NOTE: TEMPORARY PAVEMENT SHALL BE ASPHALTIC SURFACE TEMPORARY IF AVAILABLE. OTHERWISE CONCRETE PAVEMENT 8-INCH SHALL BE USED FOR WIDENING AND CONCRETE SIDEWALK 5-INCH FOR SIDEWALK LOCATIONS.



2

PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	TRAFFIC CONTROL: POST STAGE 3	SHEET 569	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\SINGLE LET_ALL IDS\025100_TC_S3_SUMMER.DWG
LAYOUT NAME - 04

PLOT DATE : 2/11/2026 3:19 PM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:100 FT

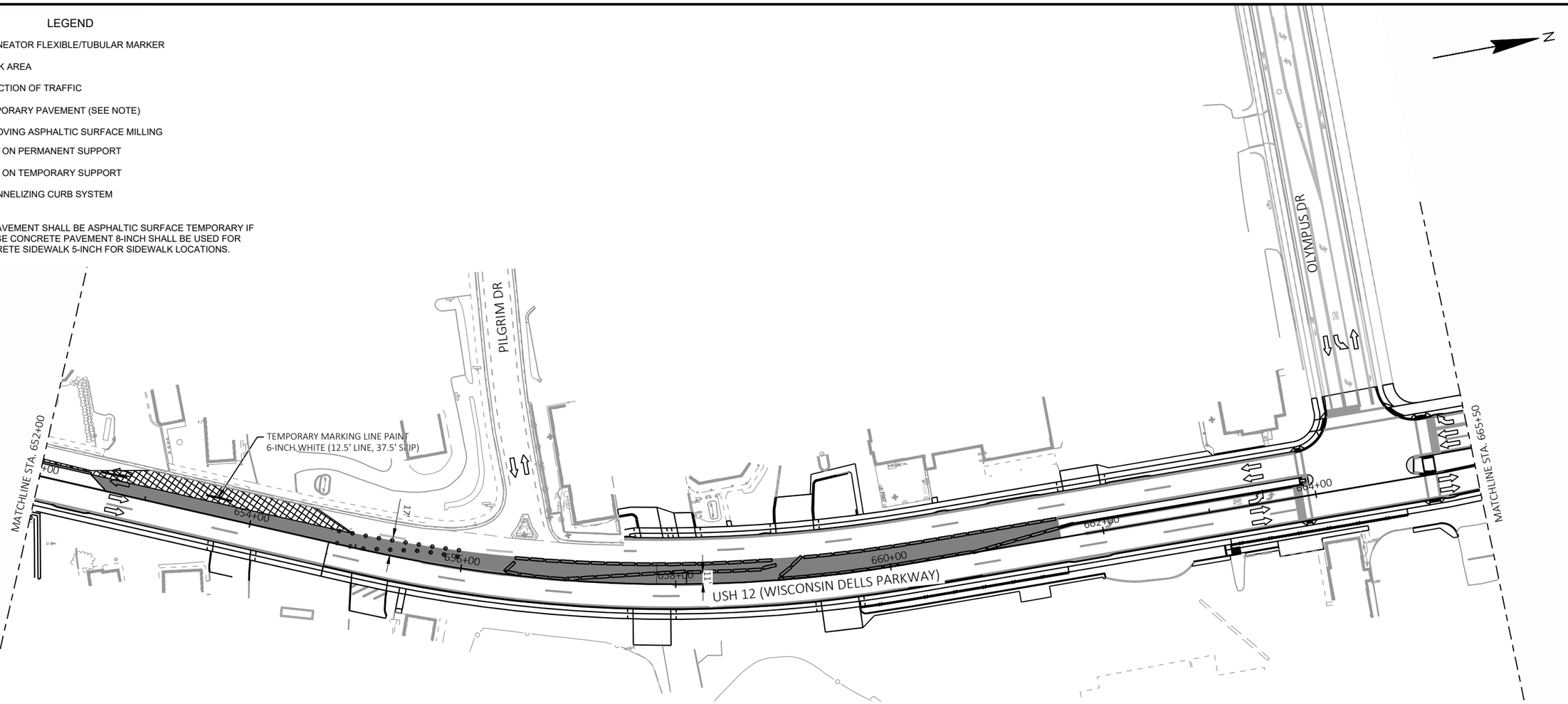
WISDOT/CADDS SHEET 42

2

LEGEND

- DELINEATOR FLEXIBLE/TUBULAR MARKER
- WORK AREA
- DIRECTION OF TRAFFIC
- TEMPORARY PAVEMENT (SEE NOTE)
- REMOVING ASPHALTIC SURFACE MILLING
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- CHANNELIZING CURB SYSTEM

NOTE: TEMPORARY PAVEMENT SHALL BE ASPHALTIC SURFACE TEMPORARY IF AVAILABLE. OTHERWISE CONCRETE PAVEMENT 8-INCH SHALL BE USED FOR WIDENING AND CONCRETE SIDEWALK 5-INCH FOR SIDEWALK LOCATIONS.



2

PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	TRAFFIC CONTROL: POST STAGE 3	SHEET 570	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\SINGLE LET_ALL IDS\025100_TC_S3_SUMMER.DWG
LAYOUT NAME - 05

PLOT DATE : 2/11/2026 3:19 PM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:100 FT

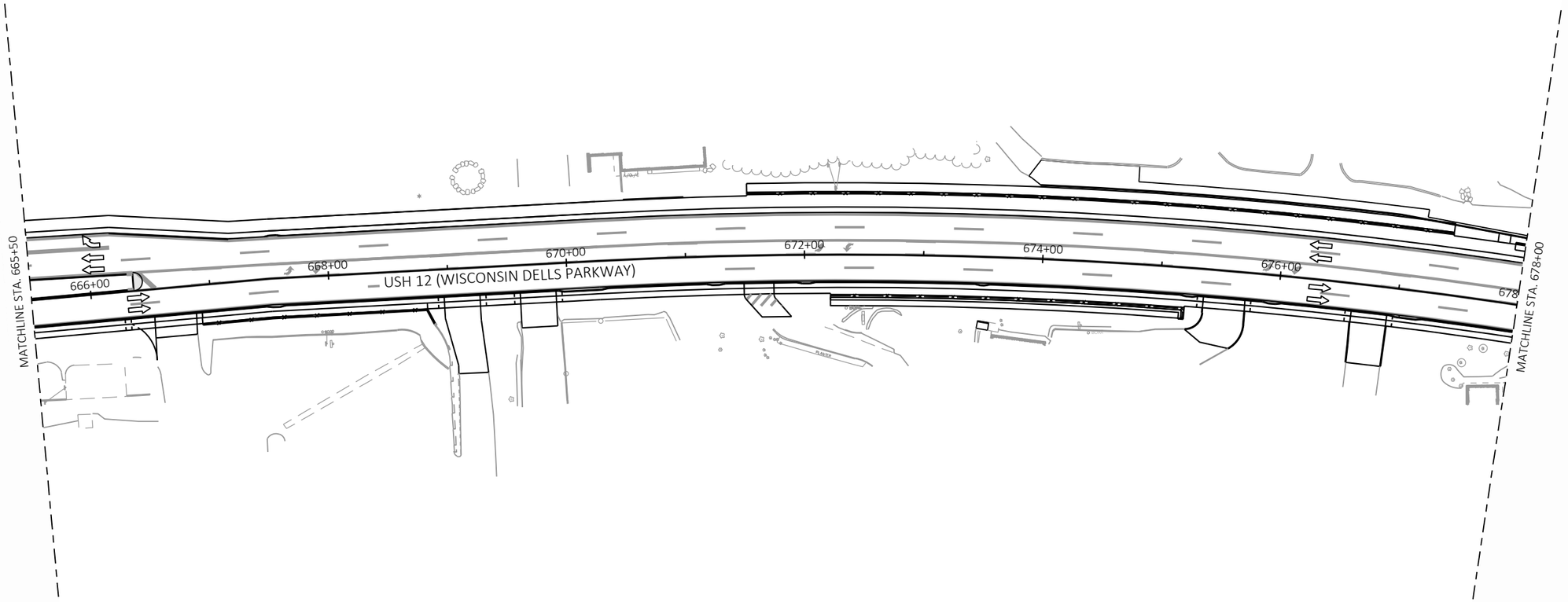
2

LEGEND

- DELINEATOR FLEXIBLE/TUBULAR MARKER
- WORK AREA
- DIRECTION OF TRAFFIC
- TEMPORARY PAVEMENT (SEE NOTE)
- REMOVING ASPHALTIC SURFACE MILLING
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- CHANNELIZING CURB SYSTEM

NOTE: TEMPORARY PAVEMENT SHALL BE ASPHALTIC SURFACE TEMPORARY IF AVAILABLE. OTHERWISE CONCRETE PAVEMENT 8-INCH SHALL BE USED FOR WIDENING AND CONCRETE SIDEWALK 5-INCH FOR SIDEWALK LOCATIONS.

N



2

PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	TRAFFIC CONTROL: POST STAGE 3	SHEET 571	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\SINGLE LET_ALL IDS\025100_TC_S3_SUMMER.DWG
LAYOUT NAME - 06

PLOT DATE : 2/11/2026 3:19 PM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:100 FT

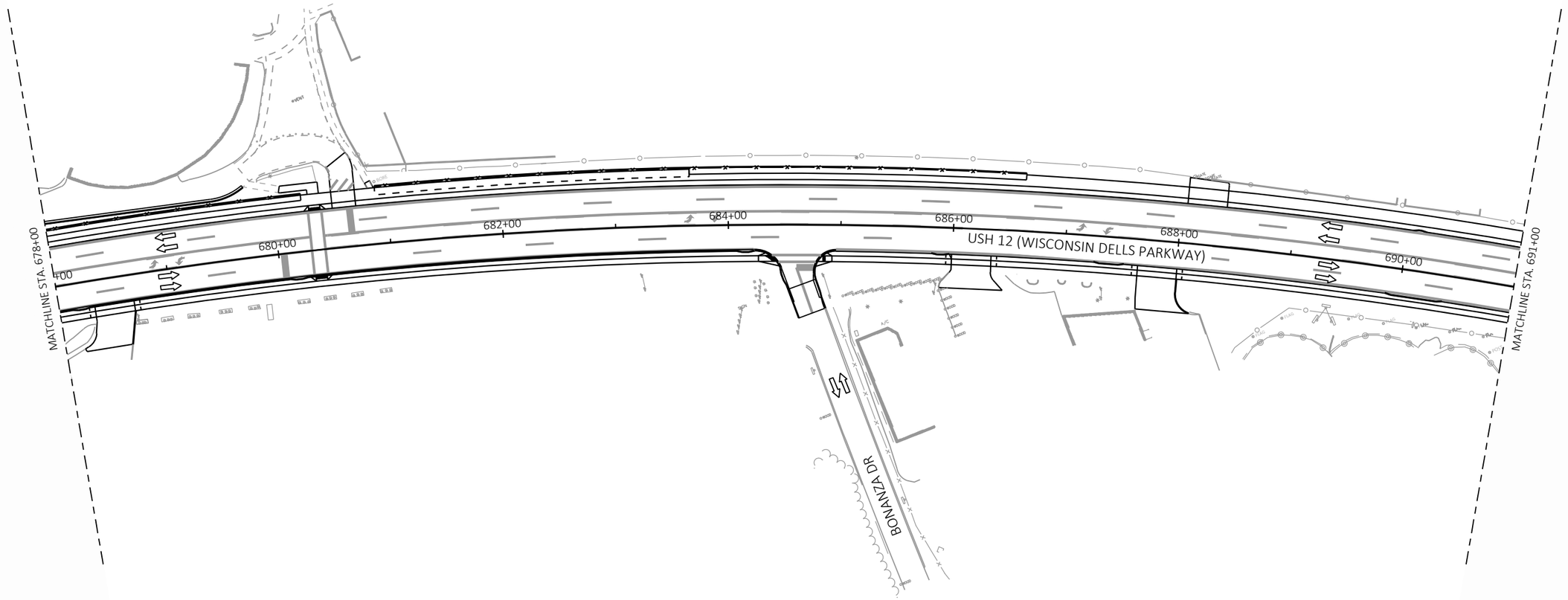
WISDOT/CADDS SHEET 42

2

LEGEND

- DELINEATOR FLEXIBLE/TUBULAR MARKER
- WORK AREA
- DIRECTION OF TRAFFIC
- TEMPORARY PAVEMENT (SEE NOTE)
- REMOVING ASPHALTIC SURFACE MILLING
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- CHANNELIZING CURB SYSTEM

NOTE: TEMPORARY PAVEMENT SHALL BE ASPHALTIC SURFACE TEMPORARY IF AVAILABLE. OTHERWISE CONCRETE PAVEMENT 8-INCH SHALL BE USED FOR WIDENING AND CONCRETE SIDEWALK 5-INCH FOR SIDEWALK LOCATIONS.



2

PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	TRAFFIC CONTROL: POST STAGE 3	SHEET 572	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\SINGLE LET_ALL IDS\025100_TC_S3_SUMMER.DWG
LAYOUT NAME - 07

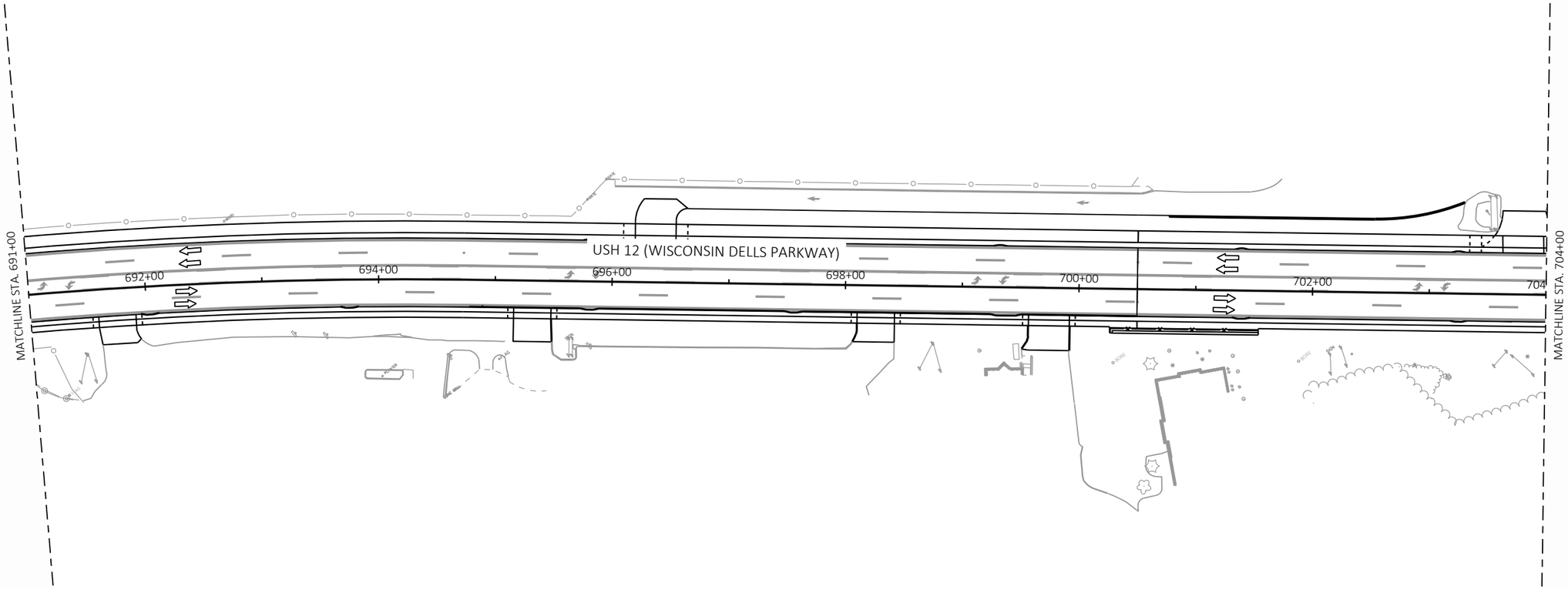
PLOT DATE : 2/11/2026 3:20 PM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

LEGEND

- DELINEATOR FLEXIBLE/TUBULAR MARKER
- WORK AREA
- DIRECTION OF TRAFFIC
- TEMPORARY PAVEMENT (SEE NOTE)
- REMOVING ASPHALTIC SURFACE MILLING
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- CHANNELIZING CURB SYSTEM

NOTE: TEMPORARY PAVEMENT SHALL BE ASPHALTIC SURFACE TEMPORARY IF AVAILABLE. OTHERWISE CONCRETE PAVEMENT 8-INCH SHALL BE USED FOR WIDENING AND CONCRETE SIDEWALK 5-INCH FOR SIDEWALK LOCATIONS.



PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	TRAFFIC CONTROL: POST STAGE 3	SHEET 573	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\SINGLE LET_ALL IDS\025100_TC_S3_SUMMER.DWG
LAYOUT NAME - 08

PLOT DATE : 2/11/2026 3:20 PM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

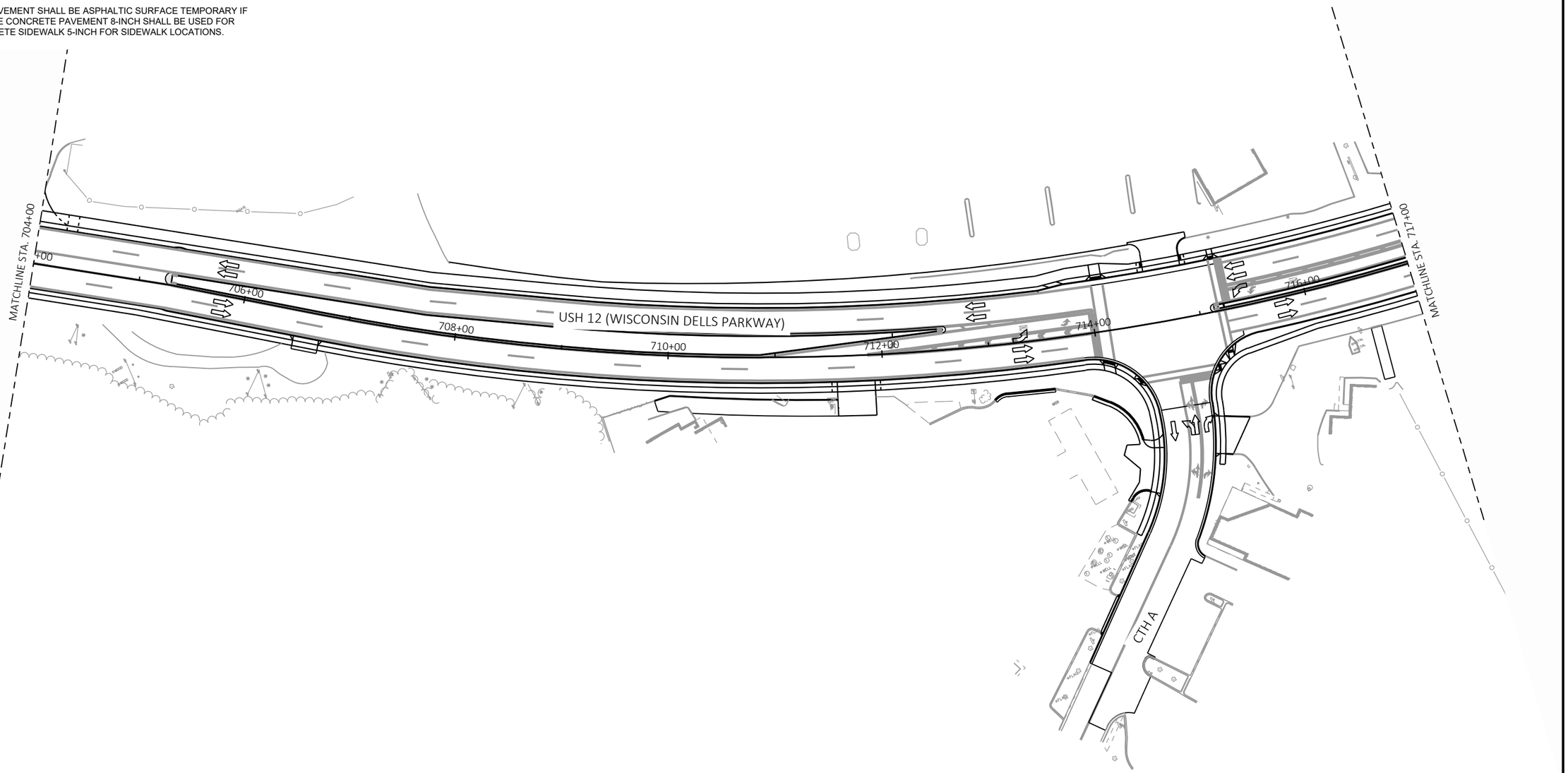
2

2

LEGEND

- DELINEATOR FLEXIBLE/TUBULAR MARKER
- WORK AREA
- DIRECTION OF TRAFFIC
- TEMPORARY PAVEMENT (SEE NOTE)
- REMOVING ASPHALTIC SURFACE MILLING
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- CHANNELIZING CURB SYSTEM

NOTE: TEMPORARY PAVEMENT SHALL BE ASPHALTIC SURFACE TEMPORARY IF AVAILABLE. OTHERWISE CONCRETE PAVEMENT 8-INCH SHALL BE USED FOR WIDENING AND CONCRETE SIDEWALK 5-INCH FOR SIDEWALK LOCATIONS.



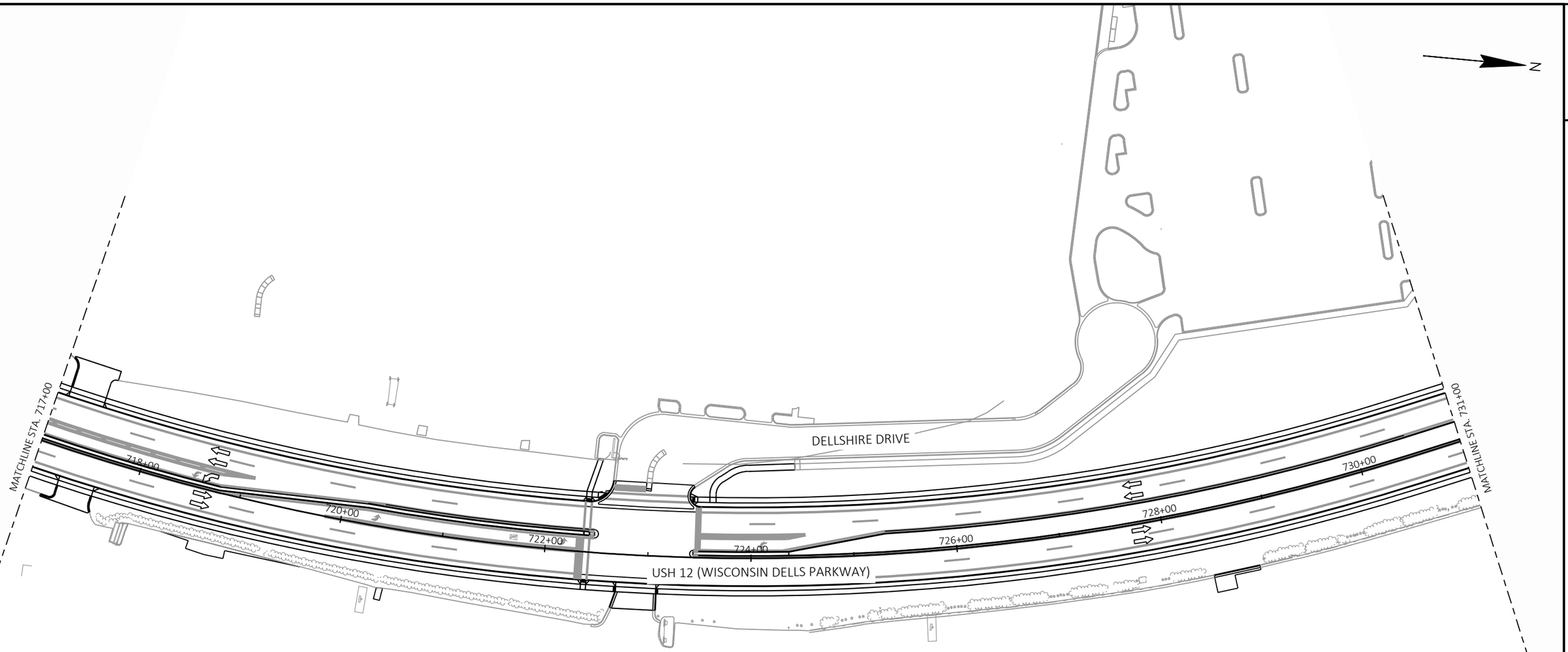
PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	TRAFFIC CONTROL: POST STAGE 3	SHEET 574	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\SINGLE LET_ALL IDS\025100_TC_S3_SUMMER.DWG
LAYOUT NAME - 09

PLOT DATE : 2/11/2026 3:20 PM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2



LEGEND

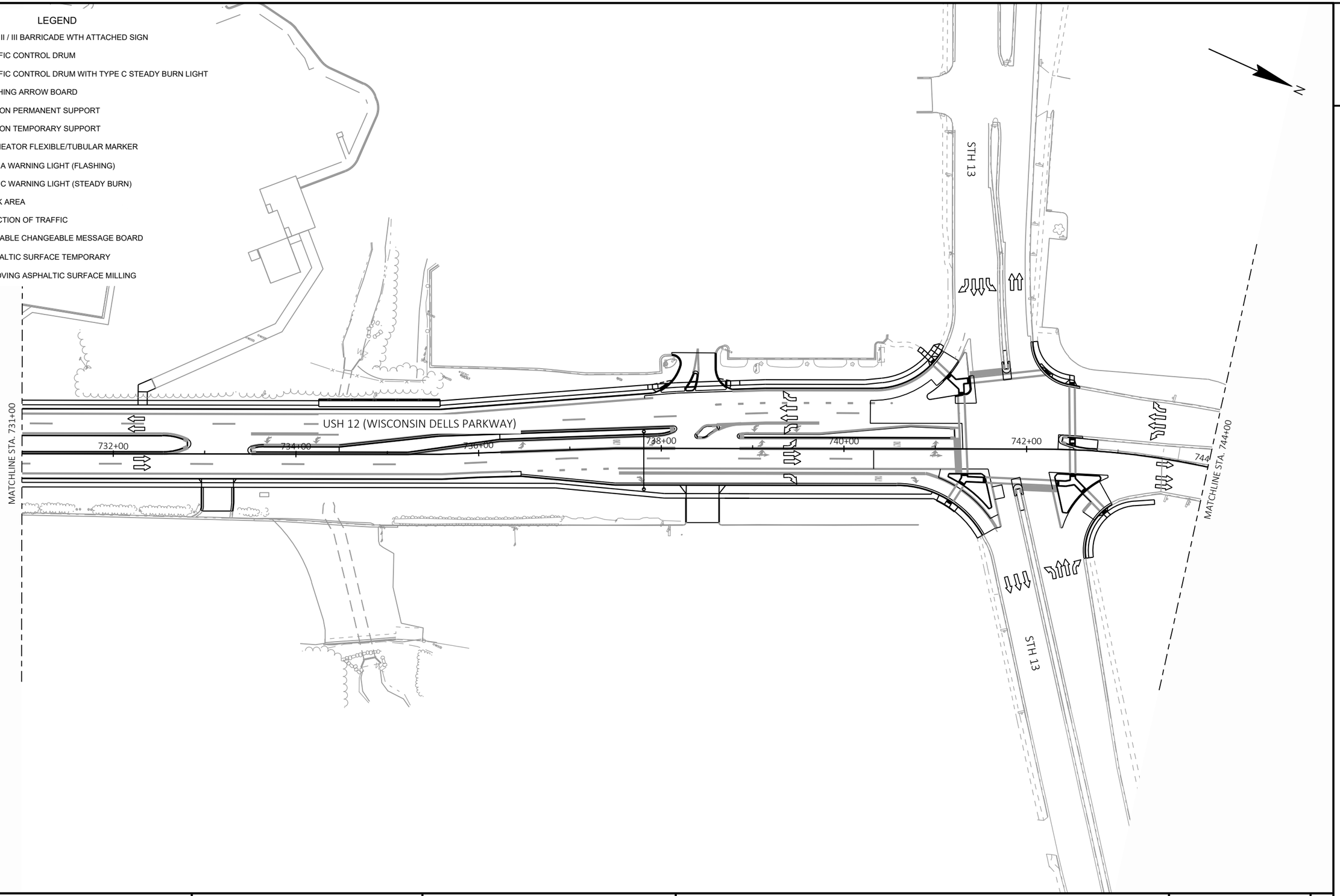
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- WORK AREA
- DIRECTION OF TRAFFIC
- TEMPORARY PAVEMENT (SEE NOTE)
- REMOVING ASPHALTIC SURFACE MILLING
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- CHANNELIZING CURB SYSTEM

NOTE: TEMPORARY PAVEMENT SHALL BE ASPHALTIC SURFACE TEMPORARY IF AVAILABLE. OTHERWISE CONCRETE PAVEMENT 8-INCH SHALL BE USED FOR WIDENING AND CONCRETE SIDEWALK 5-INCH FOR SIDEWALK LOCATIONS.

2

LEGEND

- TYPE II / III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- TYPE A WARNING LIGHT (FLASHING)
- TYPE C WARNING LIGHT (STEADY BURN)
- WORK AREA
- DIRECTION OF TRAFFIC
- PORTABLE CHANGEABLE MESSAGE BOARD
- ASPHALTIC SURFACE TEMPORARY
- REMOVING ASPHALTIC SURFACE MILLING



2

PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	TRAFFIC CONTROL: POST STAGE 3	SHEET 576	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\SINGLE LET_ALL IDS\025100_TC_S3_SUMMER.DWG
LAYOUT NAME - 11

PLOT DATE : 2/11/2026 3:20 PM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2



LEGEND

- TYPE II / III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- TYPE A WARNING LIGHT (FLASHING)
- TYPE C WARNING LIGHT (STEADY BURN)
- WORK AREA
- DIRECTION OF TRAFFIC
- MB — PORTABLE CHANGEABLE MESSAGE BOARD
- ASPHALTIC SURFACE TEMPORARY
- REMOVING ASPHALTIC SURFACE MILLING

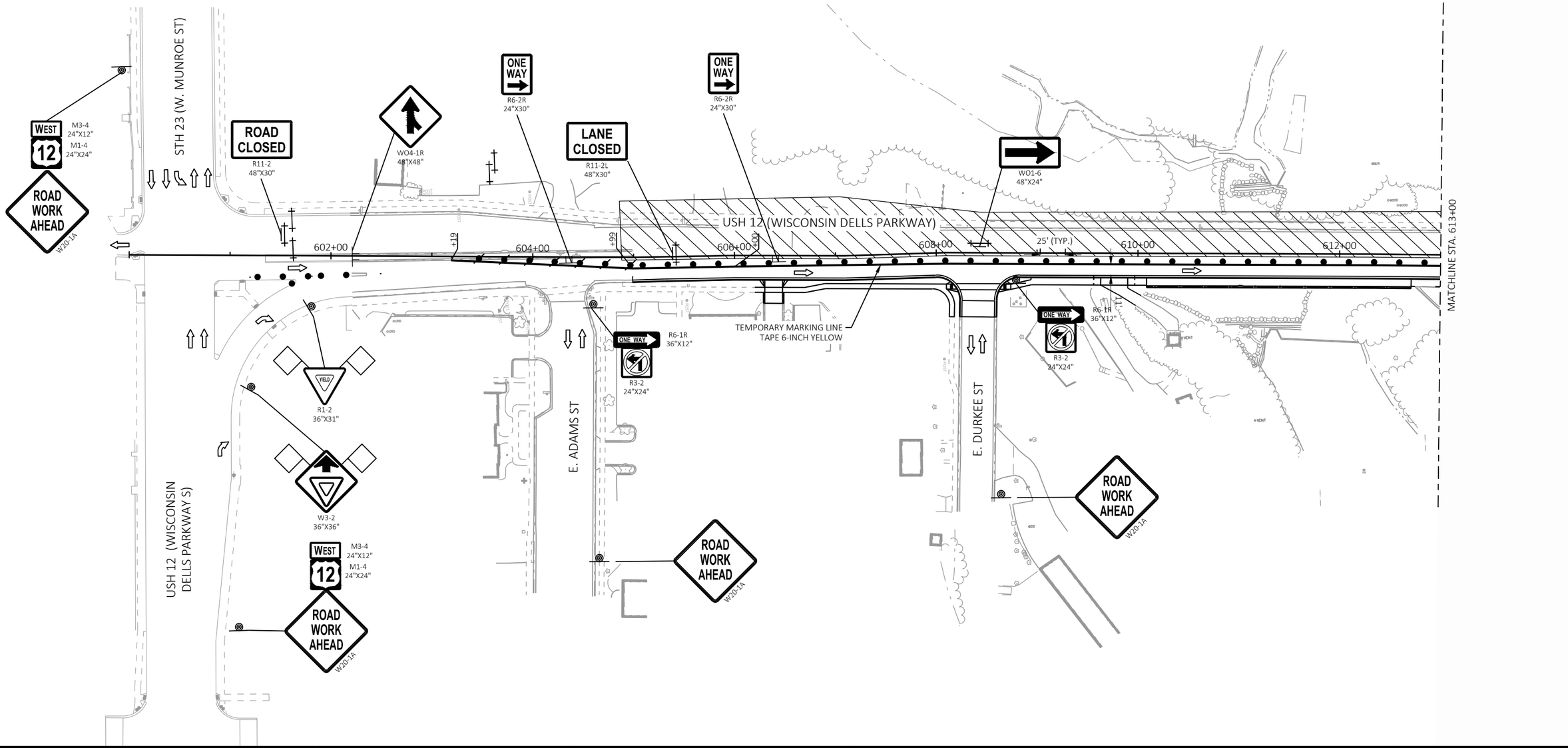
PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	TRAFFIC CONTROL: POST STAGE 3	SHEET 577	E

LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- WORK ZONE START LOCATION MARKER
- WORK ZONE END LOCATION MARKER
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- WORK AREA
- DIRECTION OF TRAFFIC
- PORTABLE CHANGEABLE MESSAGE BOARD
- TEMPORARY PAVEMENT (SEE NOTE)
- REMOVING ASPHALTIC SURFACE MILLING

N

NOTE: TEMPORARY PAVEMENT SHALL BE ASPHALTIC SURFACE TEMPORARY IF AVAILABLE. OTHERWISE CONCRETE PAVEMENT 8-INCH SHALL BE USED FOR WIDENING AND CONCRETE SIDEWALK 5-INCH FOR SIDEWALK LOCATIONS.

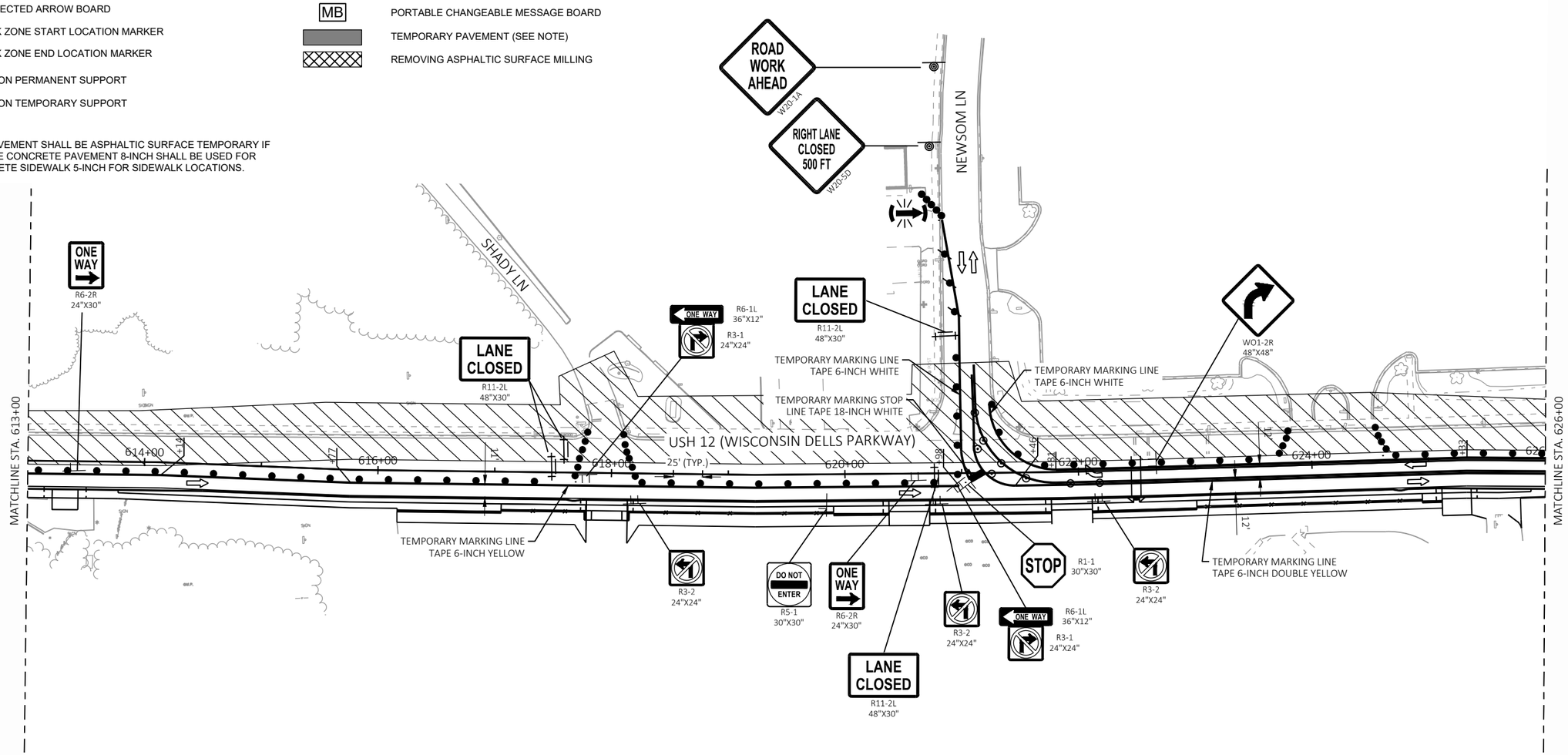


PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	TRAFFIC CONTROL: STAGE 4A	SHEET 578	E

LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- WORK ZONE START LOCATION MARKER
- WORK ZONE END LOCATION MARKER
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- WORK AREA
- DIRECTION OF TRAFFIC
- PORTABLE CHANGEABLE MESSAGE BOARD (MB)
- TEMPORARY PAVEMENT (SEE NOTE)
- REMOVING ASPHALTIC SURFACE MILLING

NOTE: TEMPORARY PAVEMENT SHALL BE ASPHALTIC SURFACE TEMPORARY IF AVAILABLE. OTHERWISE CONCRETE PAVEMENT 8-INCH SHALL BE USED FOR WIDENING AND CONCRETE SIDEWALK 5-INCH FOR SIDEWALK LOCATIONS.



PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	TRAFFIC CONTROL: STAGE 4A	SHEET 579	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\SINGLE LET_ALL IDS\025100_TC_S4.DWG
LAYOUT NAME - 02

PLOT DATE : 2/11/2026 3:21 PM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:100 FT

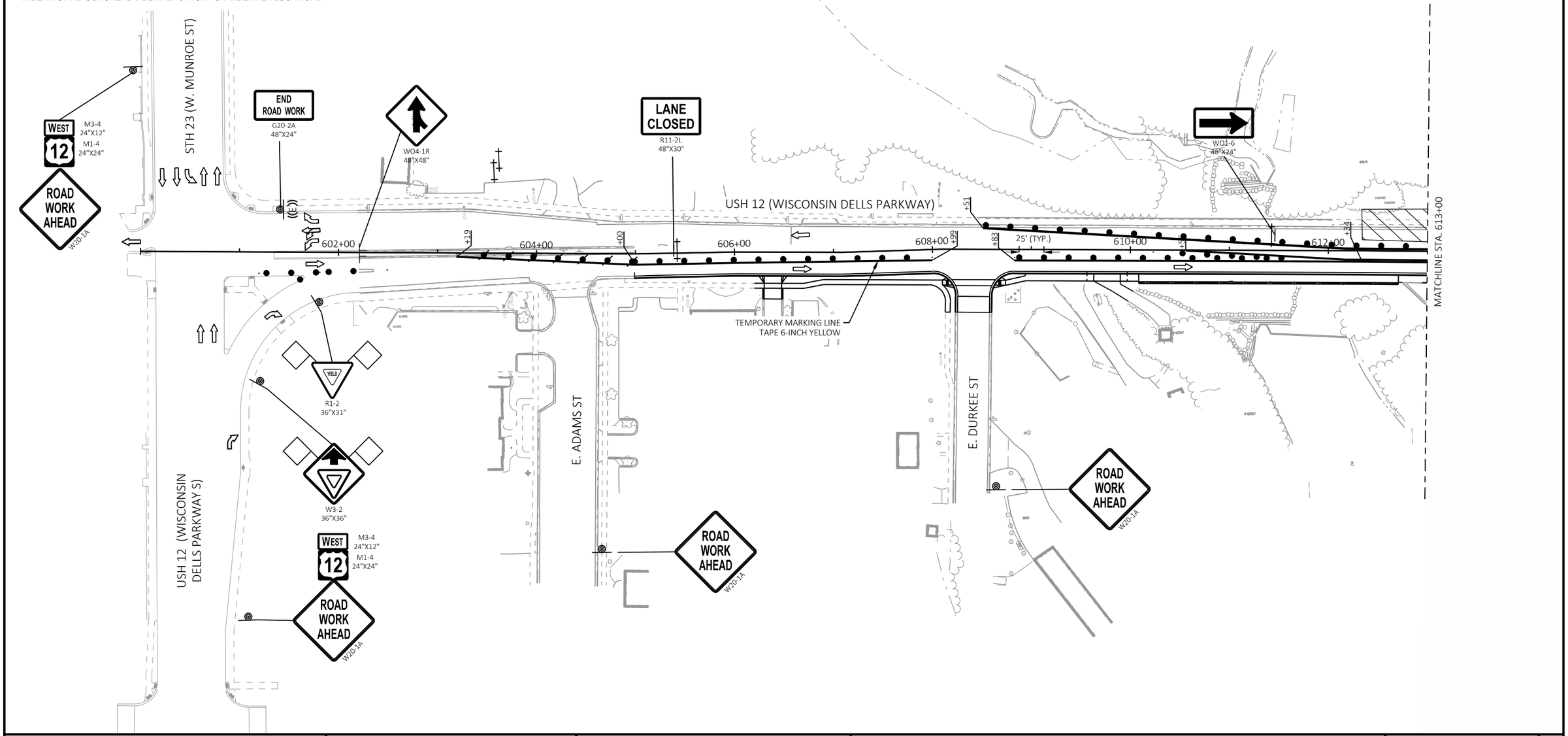
2

LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- WORK ZONE START LOCATION MARKER
- WORK ZONE END LOCATION MARKER
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- WORK AREA
- DIRECTION OF TRAFFIC
- PORTABLE CHANGEABLE MESSAGE BOARD
- TEMPORARY PAVEMENT (SEE NOTE)
- REMOVING ASPHALTIC SURFACE MILLING

N

NOTE: TEMPORARY PAVEMENT SHALL BE ASPHALTIC SURFACE TEMPORARY IF AVAILABLE. OTHERWISE CONCRETE PAVEMENT 8-INCH SHALL BE USED FOR WIDENING AND CONCRETE SIDEWALK 5-INCH FOR SIDEWALK LOCATIONS.



PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	TRAFFIC CONTROL: STAGE 4B	SHEET 580	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\SINGLE LET_ALL IDS\025100_TC_S4B.DWG
LAYOUT NAME - 01

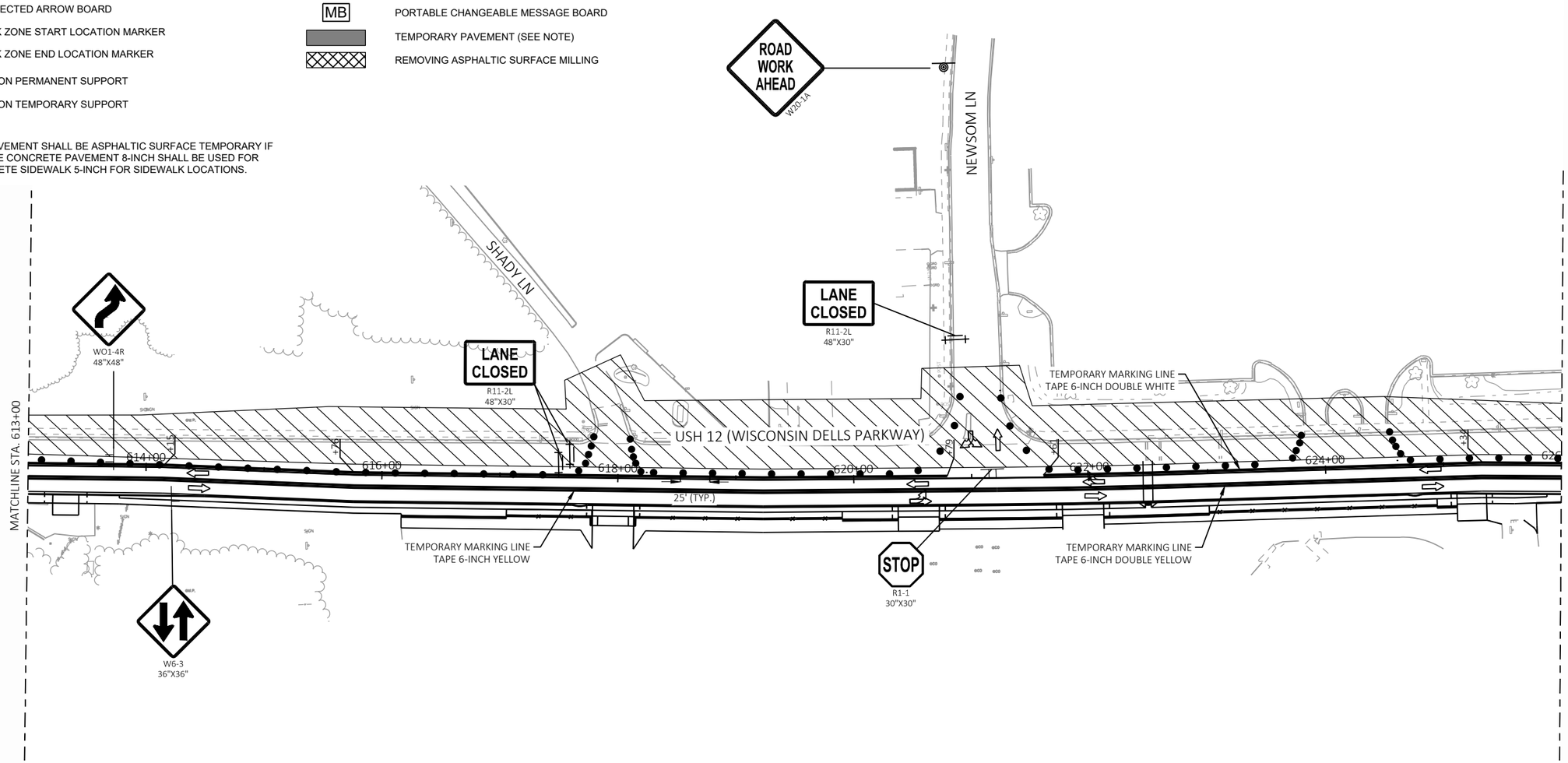
PLOT DATE : 2/11/2026 3:22 PM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

LEGEND

TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN	DELINEATOR FLEXIBLE/TUBULAR MARKER
TRAFFIC CONTROL DRUM	WORK AREA
TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT	DIRECTION OF TRAFFIC
CONNECTED ARROW BOARD	PORTABLE CHANGEABLE MESSAGE BOARD
WORK ZONE START LOCATION MARKER	TEMPORARY PAVEMENT (SEE NOTE)
WORK ZONE END LOCATION MARKER	REMOVING ASPHALTIC SURFACE MILLING
SIGN ON PERMANENT SUPPORT	
SIGN ON TEMPORARY SUPPORT	

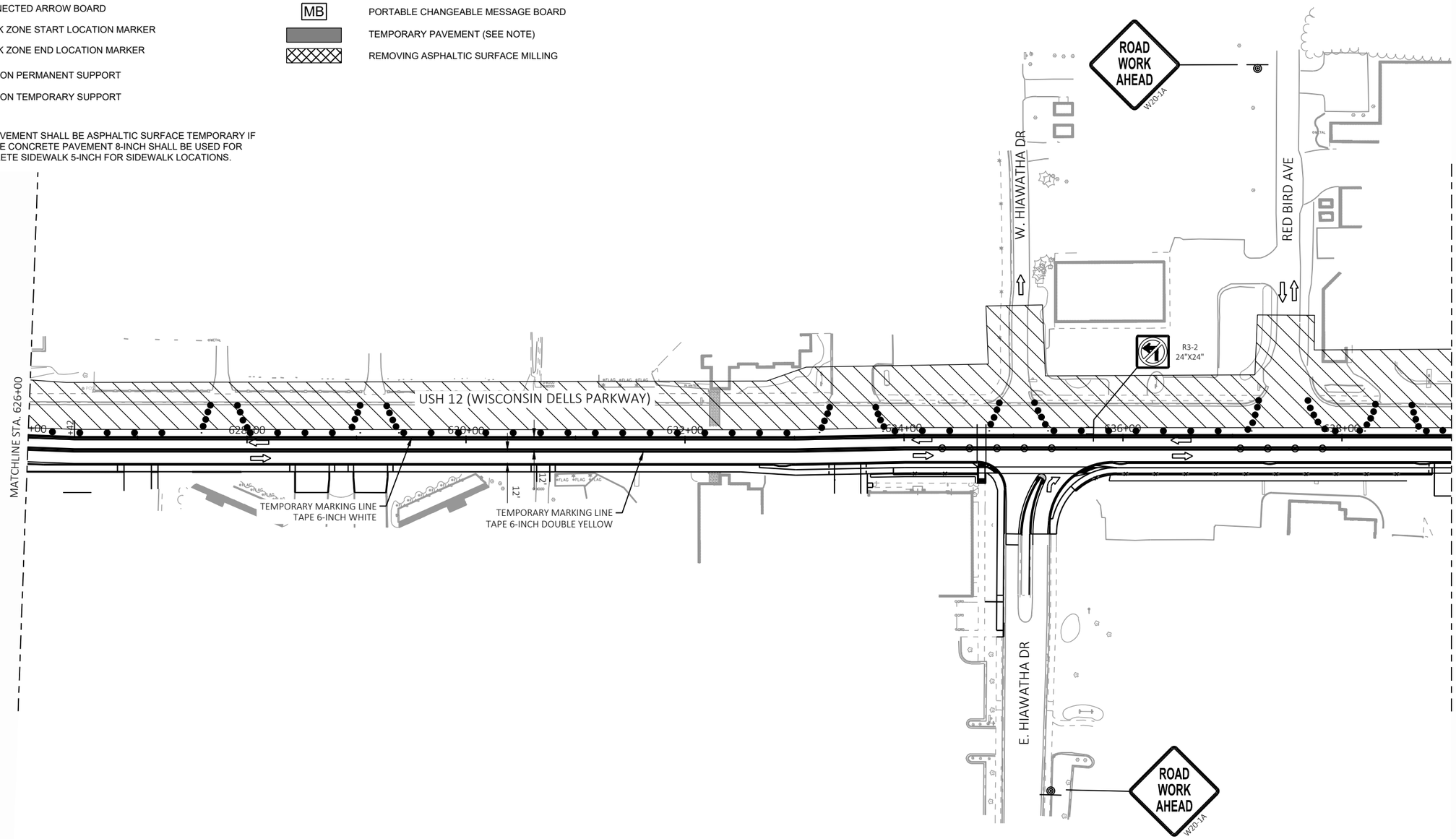
NOTE: TEMPORARY PAVEMENT SHALL BE ASPHALTIC SURFACE TEMPORARY IF AVAILABLE. OTHERWISE CONCRETE PAVEMENT 8-INCH SHALL BE USED FOR WIDENING AND CONCRETE SIDEWALK 5-INCH FOR SIDEWALK LOCATIONS.



LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- WORK ZONE START LOCATION MARKER
- WORK ZONE END LOCATION MARKER
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- WORK AREA
- DIRECTION OF TRAFFIC
- PORTABLE CHANGEABLE MESSAGE BOARD
- TEMPORARY PAVEMENT (SEE NOTE)
- REMOVING ASPHALTIC SURFACE MILLING

NOTE: TEMPORARY PAVEMENT SHALL BE ASPHALTIC SURFACE TEMPORARY IF AVAILABLE. OTHERWISE CONCRETE PAVEMENT 8-INCH SHALL BE USED FOR WIDENING AND CONCRETE SIDEWALK 5-INCH FOR SIDEWALK LOCATIONS.



PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	TRAFFIC CONTROL: STAGE 4	SHEET 582	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\SINGLE LET_ALL IDS\025100_TC_S4.DWG
LAYOUT NAME - 03

PLOT DATE : 2/11/2026 3:22 PM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

ROAD WORK AHEAD W20-1A

ROAD WORK AHEAD W20-1A

ROAD WORK AHEAD W20-1A

ROAD WORK AHEAD W20-1A

W24-1R

ROAD WORK AHEAD W20-1A

N

DE KORRA LN

WINNEBAGO LN

W. LAKE AVE

E. LAKE AVE

RIDGEWOOD ST

USH 12 (WISCONSIN DELLS PARKWAY)

TEMPORARY MARKING STOP LINE TAPE 18-INCH WHITE

TEMPORARY MARKING LINE TAPE 6-INCH WHITE

TEMPORARY MARKING LINE TAPE 10-INCH WHITE

TEMPORARY MARKING LINE TAPE 10-INCH WHITE (9' SKIP, 3' DASH)

TEMPORARY MARKING LINE TAPE 10-INCH WHITE

TEMPORARY MARKING LINE TAPE 6-INCH WHITE

TEMPORARY MARKING LINE TAPE 6-INCH DOUBLE YELLOW

TEMPORARY MARKING LINE TAPE 6-INCH DOUBLE YELLOW

TEMPORARY MARKING LINE TAPE 6-INCH DOUBLE YELLOW

640+00

644+00

646+00

648+00

650+00

MATCHLINE STA. 639+00

MATCHLINE STA. 652+00

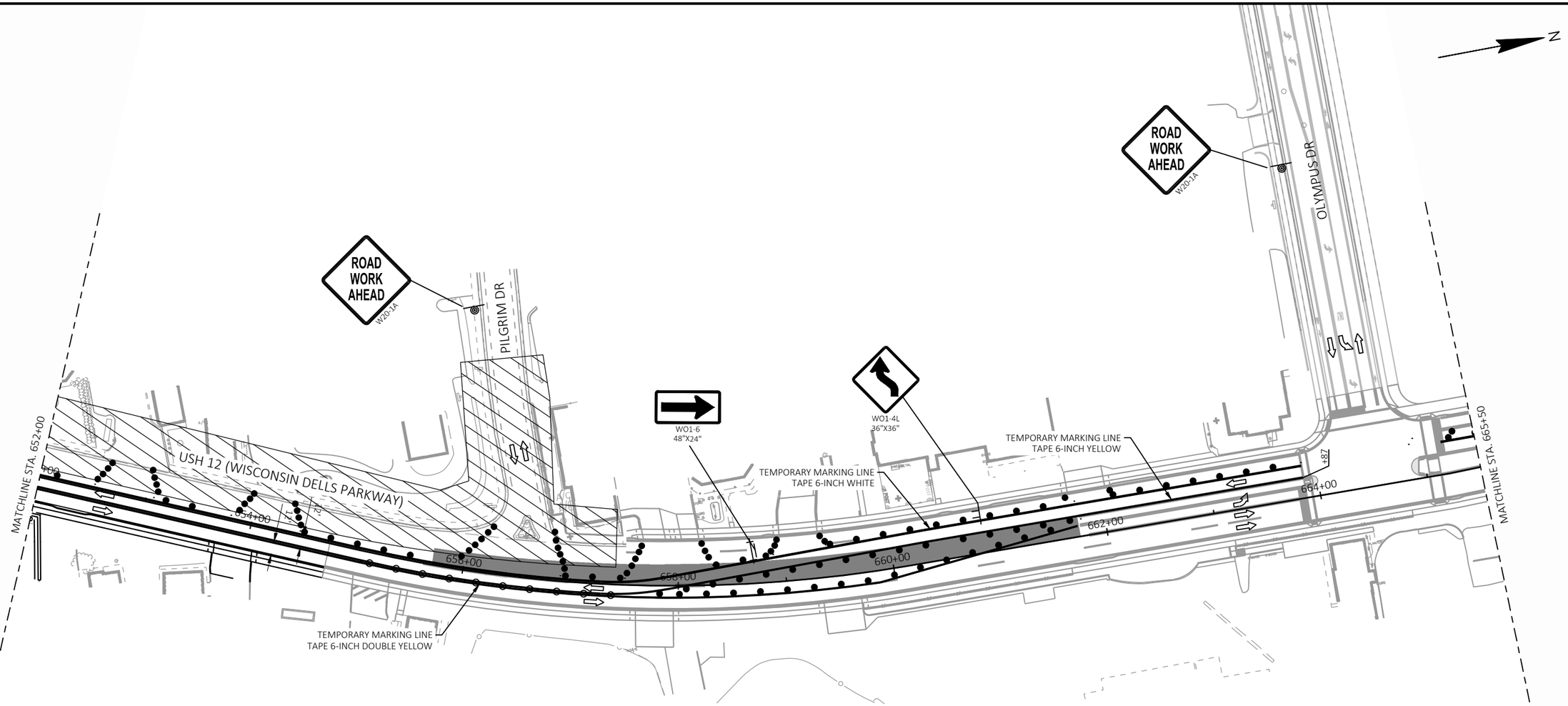
LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- WORK ZONE START LOCATION MARKER
- WORK ZONE END LOCATION MARKER
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- WORK AREA
- DIRECTION OF TRAFFIC
- MB — PORTABLE CHANGEABLE MESSAGE BOARD
- TEMPORARY PAVEMENT (SEE NOTE)
- REMOVING ASPHALTIC SURFACE MILLING

NOTE: TEMPORARY PAVEMENT SHALL BE ASPHALTIC SURFACE TEMPORARY IF AVAILABLE. OTHERWISE CONCRETE PAVEMENT 8-INCH SHALL BE USED FOR WIDENING AND CONCRETE SIDEWALK 5-INCH FOR SIDEWALK LOCATIONS.

PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	TRAFFIC CONTROL: STAGE 4	SHEET 583	E

2



LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- WORK ZONE START LOCATION MARKER
- WORK ZONE END LOCATION MARKER
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- WORK AREA
- DIRECTION OF TRAFFIC
- PORTABLE CHANGEABLE MESSAGE BOARD (MB)
- TEMPORARY PAVEMENT (SEE NOTE)
- REMOVING ASPHALTIC SURFACE MILLING

NOTE: TEMPORARY PAVEMENT SHALL BE ASPHALTIC SURFACE TEMPORARY IF AVAILABLE. OTHERWISE CONCRETE PAVEMENT 8-INCH SHALL BE USED FOR WIDENING AND CONCRETE SIDEWALK 5-INCH FOR SIDEWALK LOCATIONS.

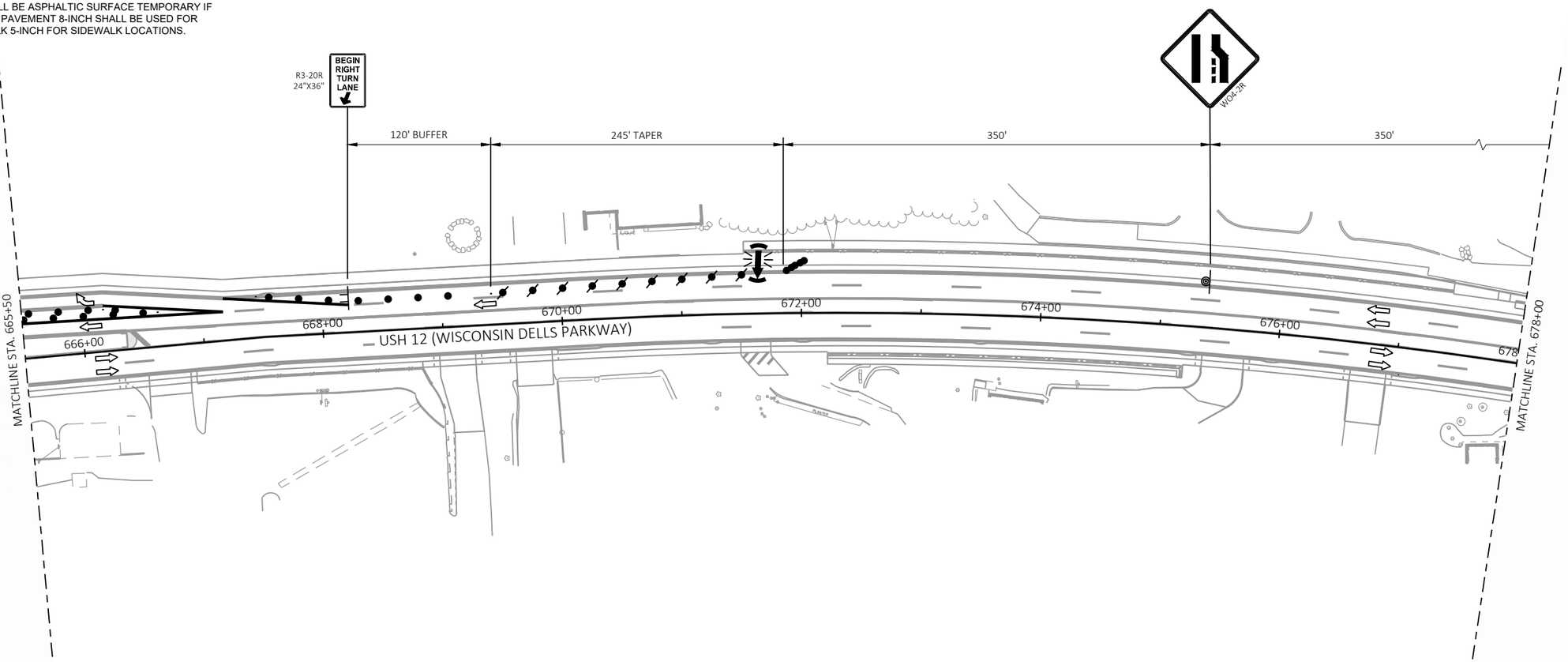
PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	TRAFFIC CONTROL: STAGE 4	SHEET 584	E

LEGEND

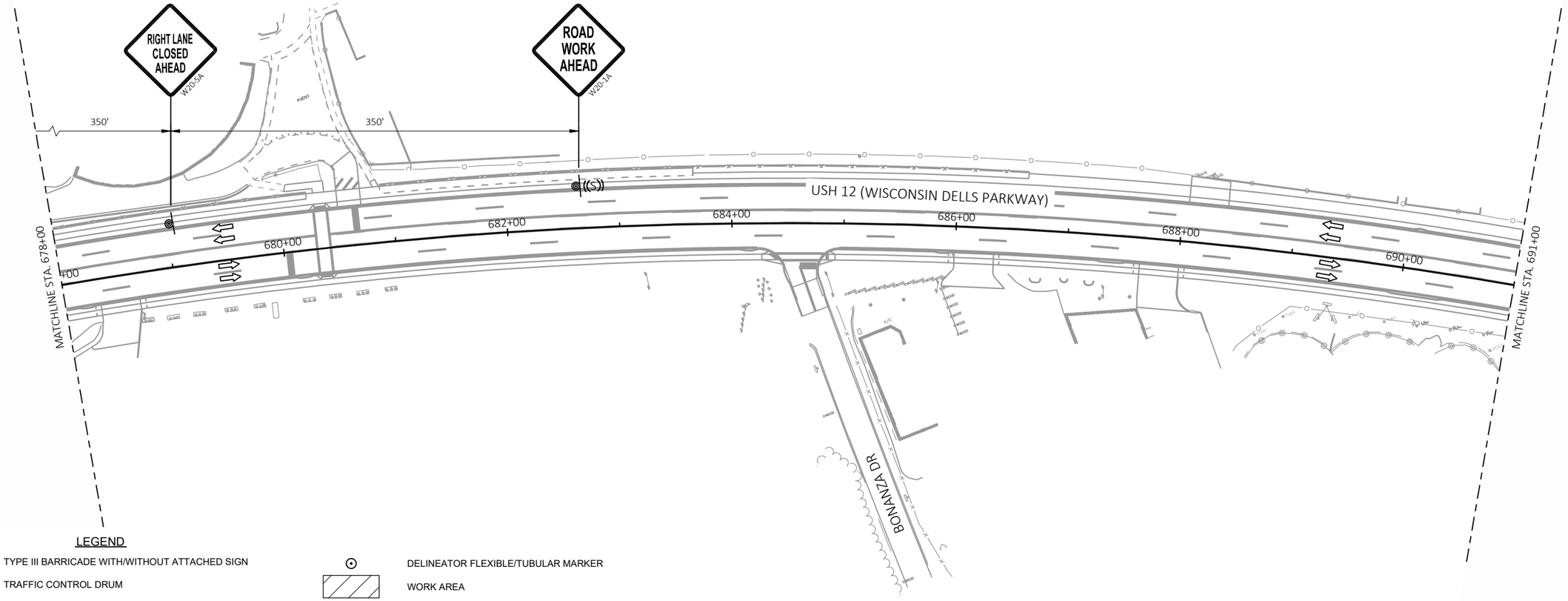
- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- WORK ZONE START LOCATION MARKER
- WORK ZONE END LOCATION MARKER
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- WORK AREA
- DIRECTION OF TRAFFIC
- PORTABLE CHANGEABLE MESSAGE BOARD (MB)
- TEMPORARY PAVEMENT (SEE NOTE)
- REMOVING ASPHALTIC SURFACE MILLING

N

NOTE: TEMPORARY PAVEMENT SHALL BE ASPHALTIC SURFACE TEMPORARY IF AVAILABLE. OTHERWISE CONCRETE PAVEMENT 8-INCH SHALL BE USED FOR WIDENING AND CONCRETE SIDEWALK 5-INCH FOR SIDEWALK LOCATIONS.



2



LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- WORK ZONE START LOCATION MARKER
- WORK ZONE END LOCATION MARKER
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- WORK AREA
- DIRECTION OF TRAFFIC
- PORTABLE CHANGEABLE MESSAGE BOARD (MB)
- TEMPORARY PAVEMENT (SEE NOTE)
- REMOVING ASPHALTIC SURFACE MILLING

NOTE: TEMPORARY PAVEMENT SHALL BE ASPHALTIC SURFACE TEMPORARY IF AVAILABLE. OTHERWISE CONCRETE PAVEMENT 8-INCH SHALL BE USED FOR WIDENING AND CONCRETE SIDEWALK 5-INCH FOR SIDEWALK LOCATIONS.

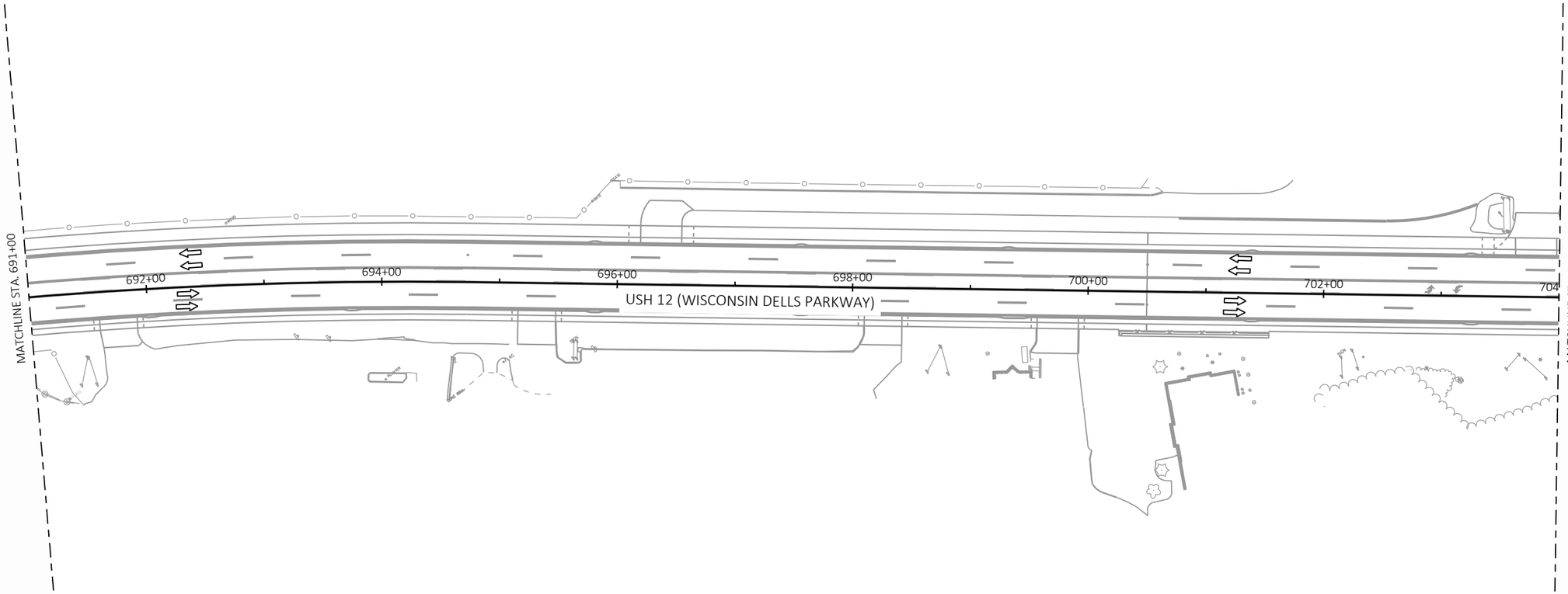
PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	TRAFFIC CONTROL: STAGE 4	SHEET 586	E

2

LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- WORK ZONE START LOCATION MARKER (S)
- WORK ZONE END LOCATION MARKER (E)
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- WORK AREA
- DIRECTION OF TRAFFIC
- MB — PORTABLE CHANGEABLE MESSAGE BOARD
- TEMPORARY PAVEMENT (SEE NOTE)
- REMOVING ASPHALTIC SURFACE MILLING

NOTE: TEMPORARY PAVEMENT SHALL BE ASPHALTIC SURFACE TEMPORARY IF AVAILABLE. OTHERWISE CONCRETE PAVEMENT 8-INCH SHALL BE USED FOR WIDENING AND CONCRETE SIDEWALK 5-INCH FOR SIDEWALK LOCATIONS.



PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	TRAFFIC CONTROL: STAGE 4	SHEET 587	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\SINGLE LET_ALL IDS\025100_TC_S4.DWG
LAYOUT NAME - 08

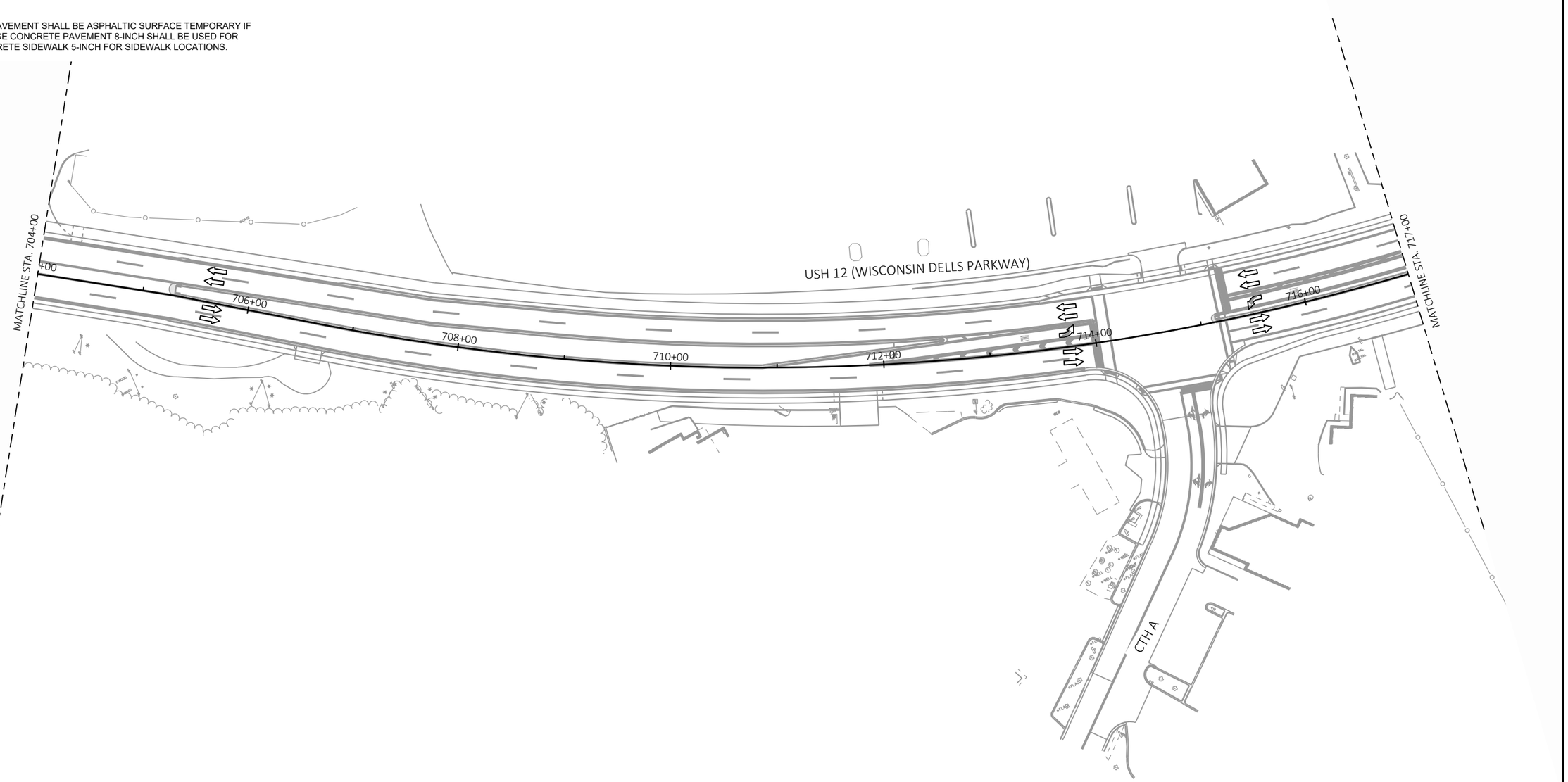
PLOT DATE : 2/11/2026 3:23 PM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- WORK ZONE START LOCATION MARKER
- WORK ZONE END LOCATION MARKER
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- WORK AREA
- DIRECTION OF TRAFFIC
- PORTABLE CHANGEABLE MESSAGE BOARD (MB)
- TEMPORARY PAVEMENT (SEE NOTE)
- REMOVING ASPHALTIC SURFACE MILLING

NOTE: TEMPORARY PAVEMENT SHALL BE ASPHALTIC SURFACE TEMPORARY IF AVAILABLE. OTHERWISE CONCRETE PAVEMENT 8-INCH SHALL BE USED FOR WIDENING AND CONCRETE SIDEWALK 5-INCH FOR SIDEWALK LOCATIONS.



PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	TRAFFIC CONTROL: STAGE 4	SHEET 588	E

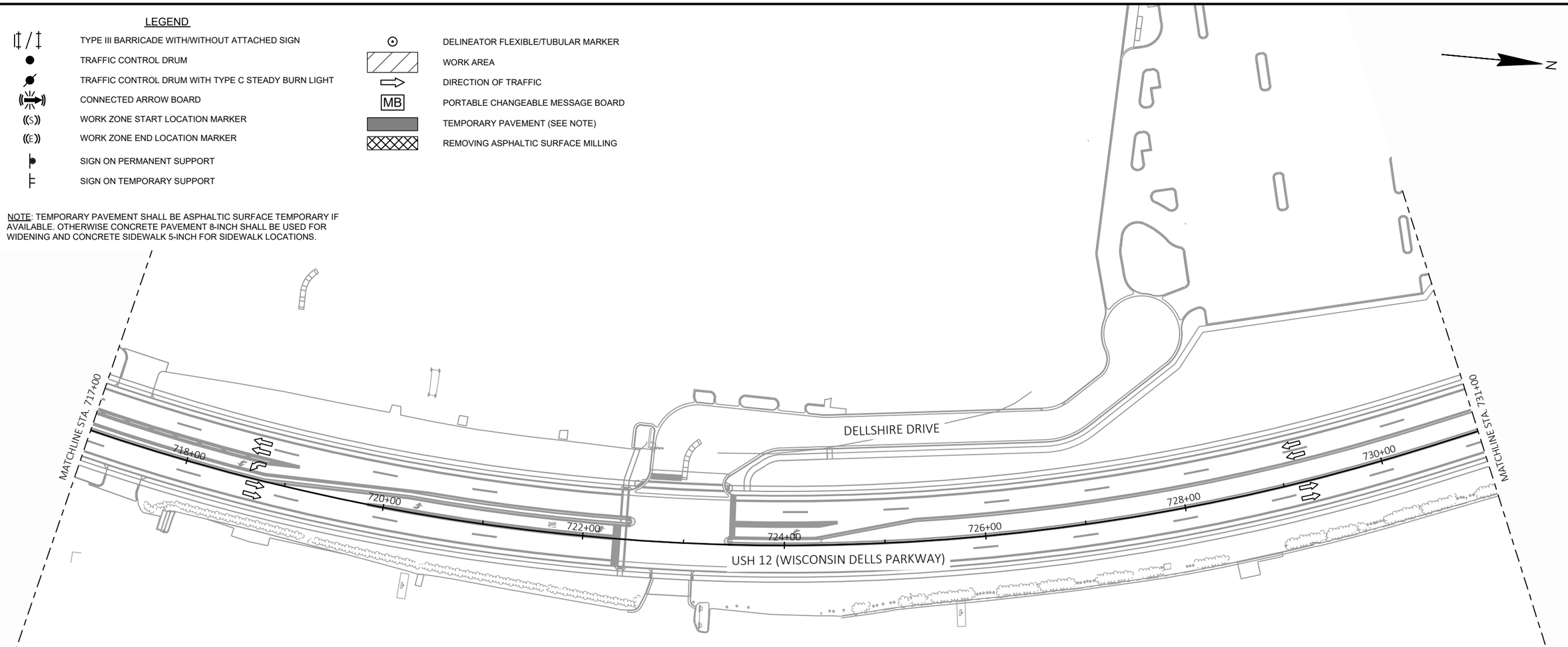
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LAYOUT NAME - 09

PLOT DATE : 2/11/2026 3:23 PM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:100 FT

LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- WORK ZONE START LOCATION MARKER
- WORK ZONE END LOCATION MARKER
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- WORK AREA
- DIRECTION OF TRAFFIC
- PORTABLE CHANGEABLE MESSAGE BOARD
- TEMPORARY PAVEMENT (SEE NOTE)
- REMOVING ASPHALTIC SURFACE MILLING

NOTE: TEMPORARY PAVEMENT SHALL BE ASPHALTIC SURFACE TEMPORARY IF AVAILABLE. OTHERWISE CONCRETE PAVEMENT 8-INCH SHALL BE USED FOR WIDENING AND CONCRETE SIDEWALK 5-INCH FOR SIDEWALK LOCATIONS.

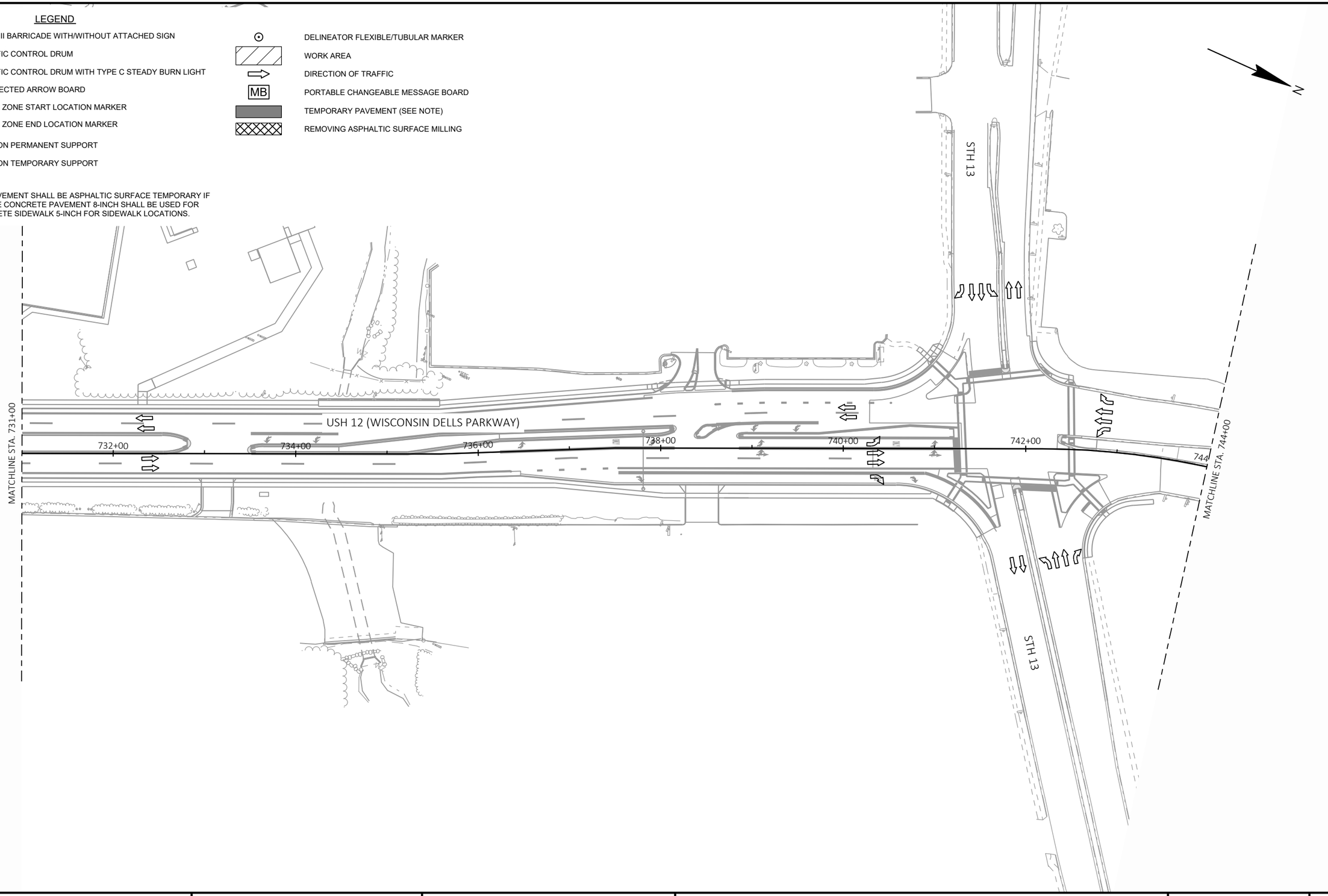


2

LEGEND

TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN	DELINEATOR FLEXIBLE/TUBULAR MARKER
TRAFFIC CONTROL DRUM	WORK AREA
TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT	DIRECTION OF TRAFFIC
CONNECTED ARROW BOARD	PORTABLE CHANGEABLE MESSAGE BOARD
WORK ZONE START LOCATION MARKER	TEMPORARY PAVEMENT (SEE NOTE)
WORK ZONE END LOCATION MARKER	REMOVING ASPHALTIC SURFACE MILLING
SIGN ON PERMANENT SUPPORT	
SIGN ON TEMPORARY SUPPORT	

NOTE: TEMPORARY PAVEMENT SHALL BE ASPHALTIC SURFACE TEMPORARY IF AVAILABLE. OTHERWISE CONCRETE PAVEMENT 8-INCH SHALL BE USED FOR WIDENING AND CONCRETE SIDEWALK 5-INCH FOR SIDEWALK LOCATIONS.



2

PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	TRAFFIC CONTROL: STAGE 4	SHEET 590	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\SINGLE LET_ALL IDS\025100_TC_S4.DWG
LAYOUT NAME - 11

PLOT DATE : 2/11/2026 3:24 PM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:100 FT

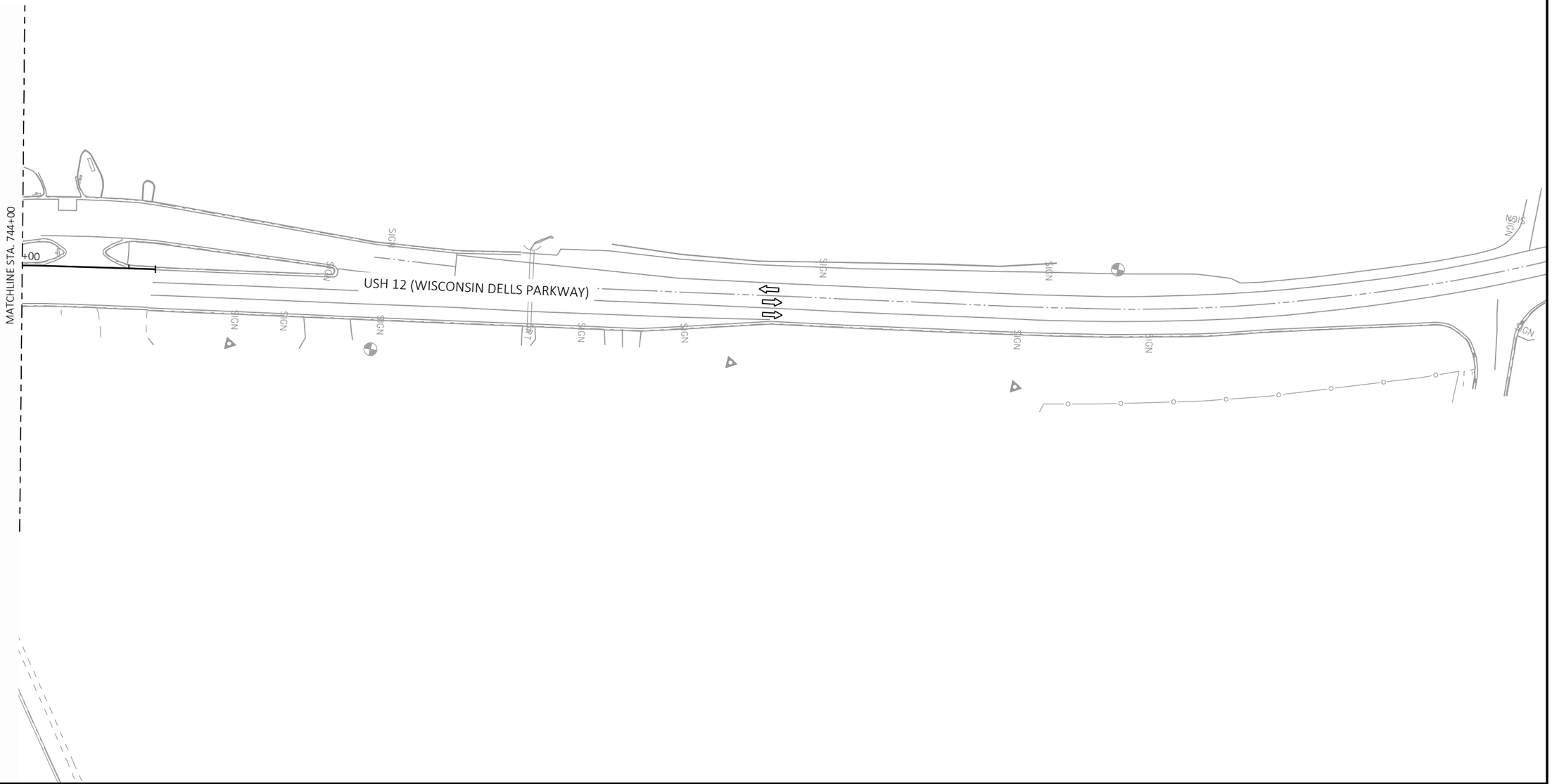
WISDOT/CADDS SHEET 42

LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- WORK ZONE START LOCATION MARKER
- WORK ZONE END LOCATION MARKER
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- WORK AREA
- DIRECTION OF TRAFFIC
- PORTABLE CHANGEABLE MESSAGE BOARD (MB)
- TEMPORARY PAVEMENT (SEE NOTE)
- REMOVING ASPHALTIC SURFACE MILLING

N

NOTE: TEMPORARY PAVEMENT SHALL BE ASPHALTIC SURFACE TEMPORARY IF AVAILABLE. OTHERWISE CONCRETE PAVEMENT 8-INCH SHALL BE USED FOR WIDENING AND CONCRETE SIDEWALK 5-INCH FOR SIDEWALK LOCATIONS.



2

PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	TRAFFIC CONTROL: STAGE 4	SHEET 591	E

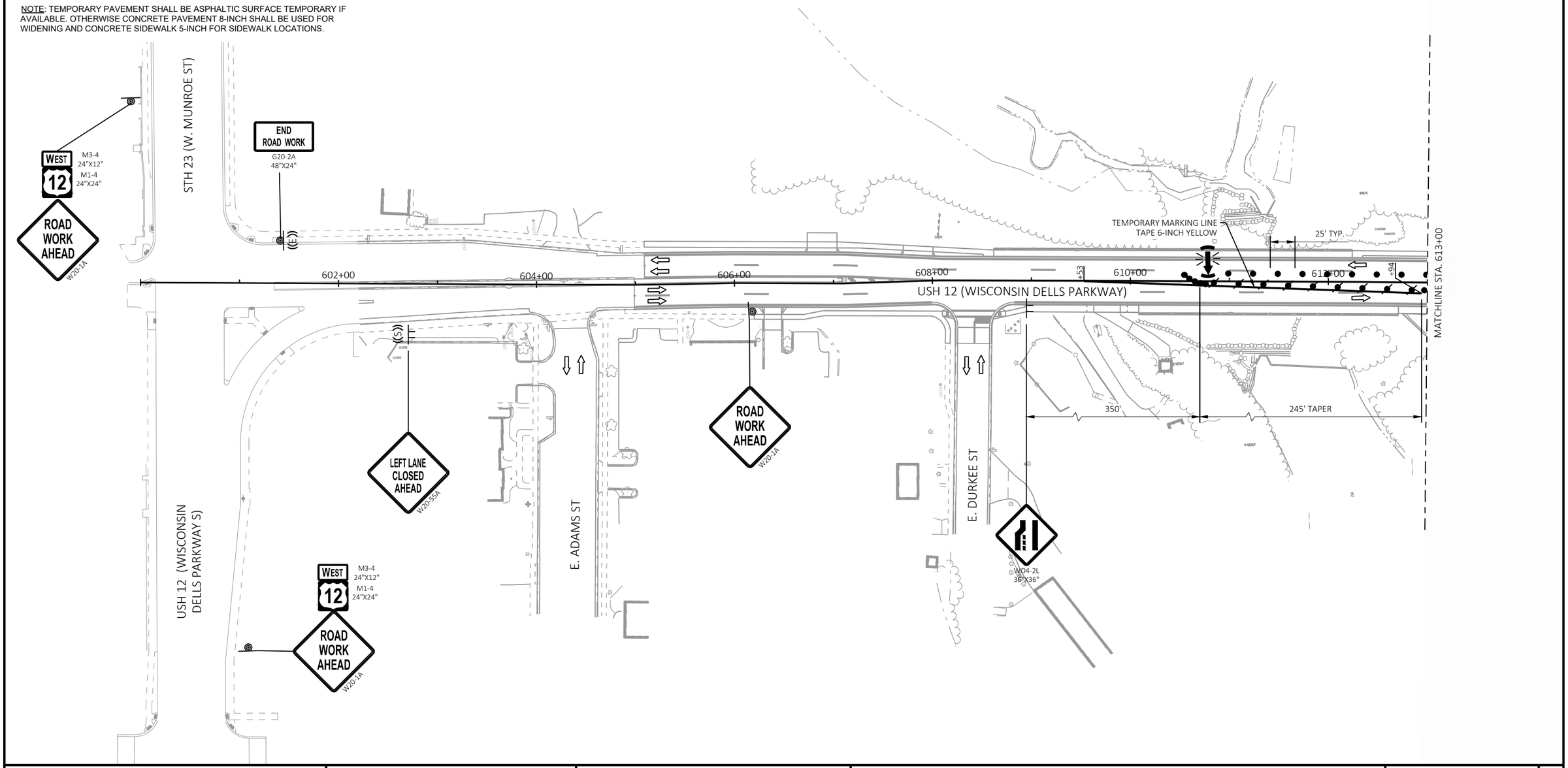
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LAYOUT NAME - 12
PLOT DATE : 2/11/2026 3:24 PM
PLOT BY : CHAPMAN, JULIE
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42

2

LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- WORK ZONE START LOCATION MARKER
- WORK ZONE END LOCATION MARKER
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- WORK AREA
- DIRECTION OF TRAFFIC
- PORTABLE CHANGEABLE MESSAGE BOARD
- TEMPORARY PAVEMENT (SEE NOTE)
- REMOVING ASPHALTIC SURFACE MILLING

NOTE: TEMPORARY PAVEMENT SHALL BE ASPHALTIC SURFACE TEMPORARY IF AVAILABLE. OTHERWISE CONCRETE PAVEMENT 8-INCH SHALL BE USED FOR WIDENING AND CONCRETE SIDEWALK 5-INCH FOR SIDEWALK LOCATIONS.

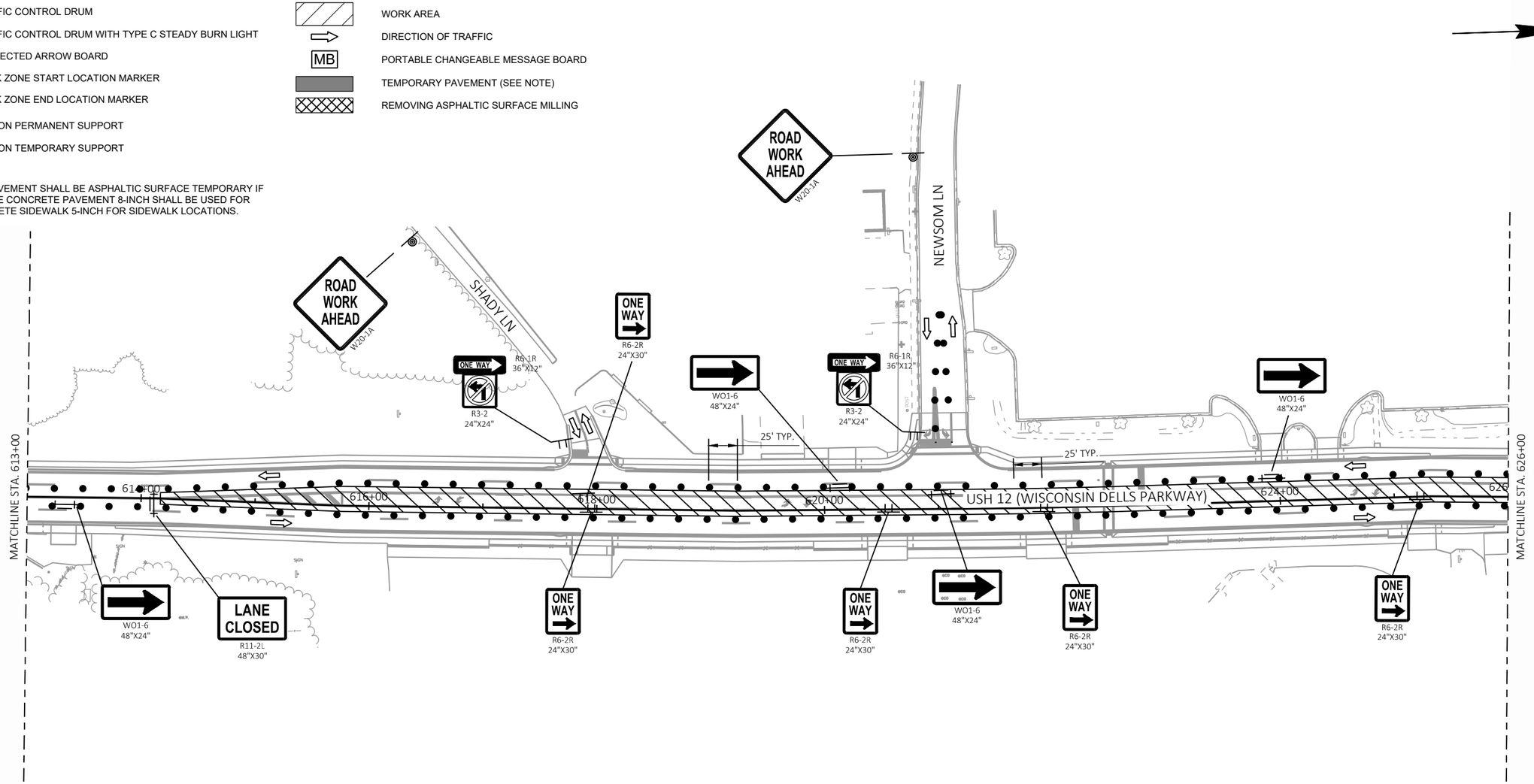


PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	TRAFFIC CONTROL: STAGE 5	SHEET 592	E

LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- WORK ZONE START LOCATION MARKER
- WORK ZONE END LOCATION MARKER
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- WORK AREA
- DIRECTION OF TRAFFIC
- PORTABLE CHANGEABLE MESSAGE BOARD (MB)
- TEMPORARY PAVEMENT (SEE NOTE)
- REMOVING ASPHALTIC SURFACE MILLING

NOTE: TEMPORARY PAVEMENT SHALL BE ASPHALTIC SURFACE TEMPORARY IF AVAILABLE. OTHERWISE CONCRETE PAVEMENT 8-INCH SHALL BE USED FOR WIDENING AND CONCRETE SIDEWALK 5-INCH FOR SIDEWALK LOCATIONS.



PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	TRAFFIC CONTROL: STAGE 5	SHEET 593	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\SINGLE LET_ALL IDS\025100_TC_S5.DWG
LAYOUT NAME - 02

PLOT DATE : 2/11/2026 3:25 PM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

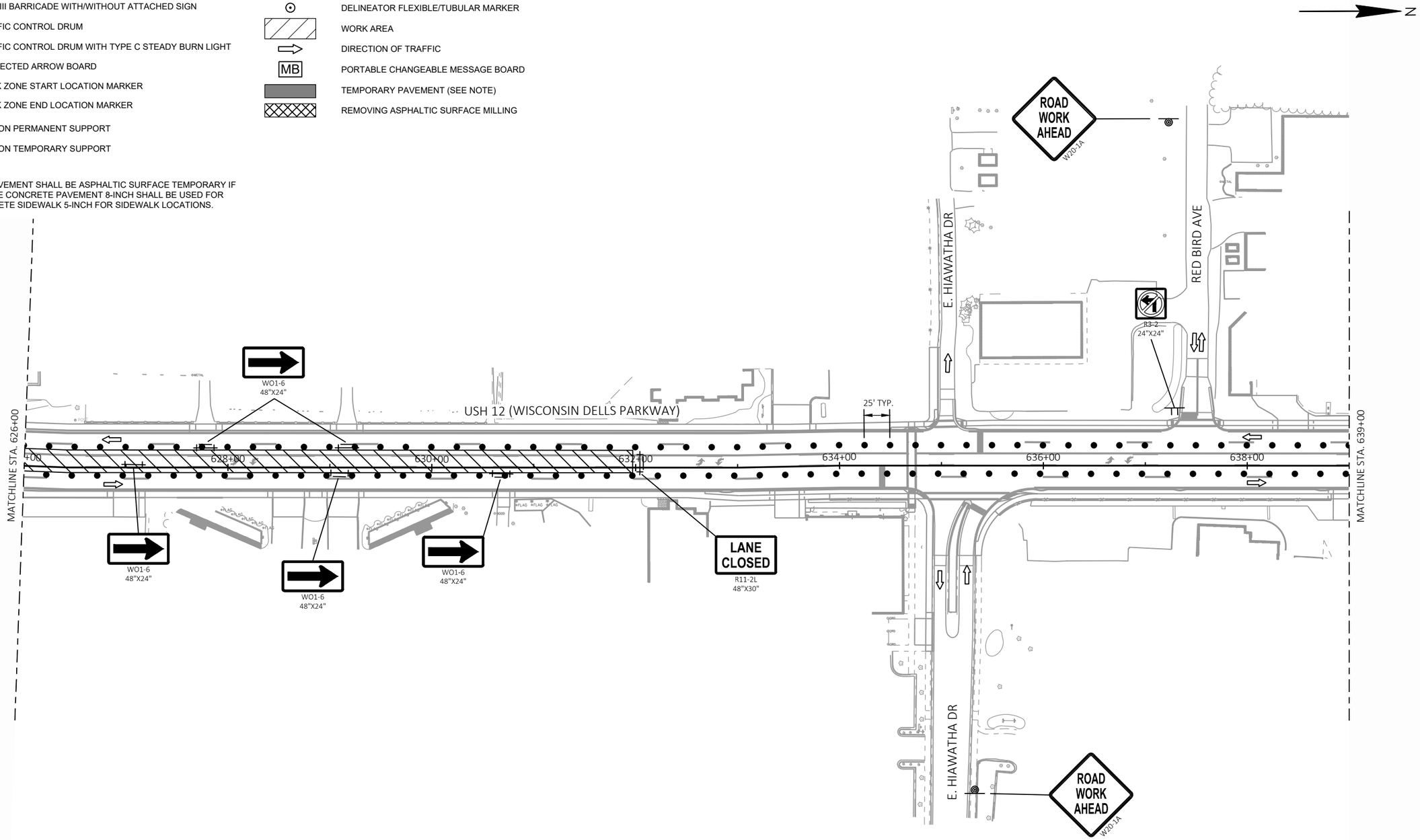
2

2

LEGEND

TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN	DELINEATOR FLEXIBLE/TUBULAR MARKER
TRAFFIC CONTROL DRUM	WORK AREA
TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT	DIRECTION OF TRAFFIC
CONNECTED ARROW BOARD	PORTABLE CHANGEABLE MESSAGE BOARD
WORK ZONE START LOCATION MARKER	TEMPORARY PAVEMENT (SEE NOTE)
WORK ZONE END LOCATION MARKER	REMOVING ASPHALTIC SURFACE MILLING
SIGN ON PERMANENT SUPPORT	
SIGN ON TEMPORARY SUPPORT	

NOTE: TEMPORARY PAVEMENT SHALL BE ASPHALTIC SURFACE TEMPORARY IF AVAILABLE. OTHERWISE CONCRETE PAVEMENT 8-INCH SHALL BE USED FOR WIDENING AND CONCRETE SIDEWALK 5-INCH FOR SIDEWALK LOCATIONS.



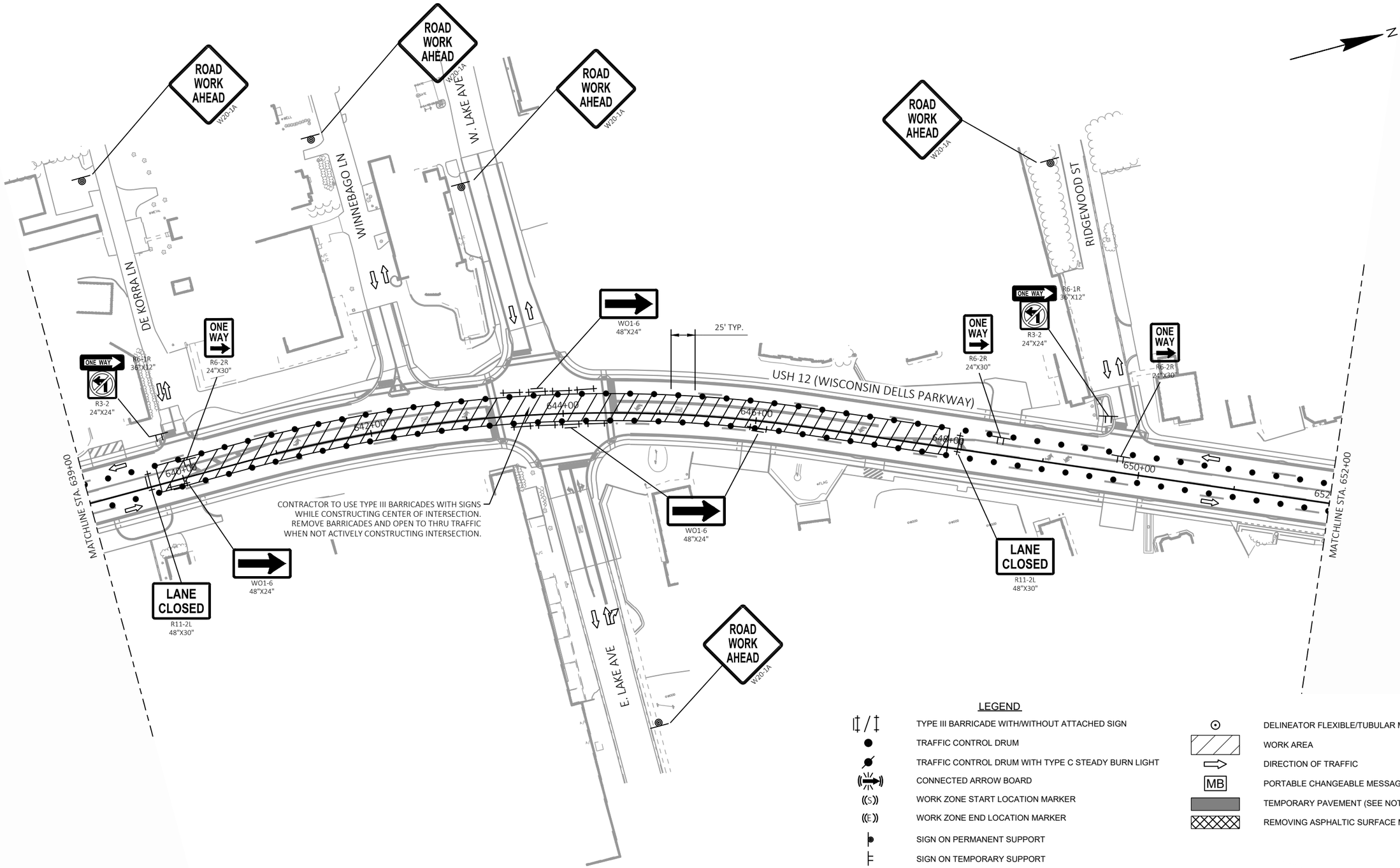
PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	TRAFFIC CONTROL: STAGE 5	SHEET 594	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\SINGLE LET_ALL IDS\025100_TC_S5.DWG
LAYOUT NAME - 03

PLOT DATE : 2/11/2026 3:25 PM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2



LEGEND

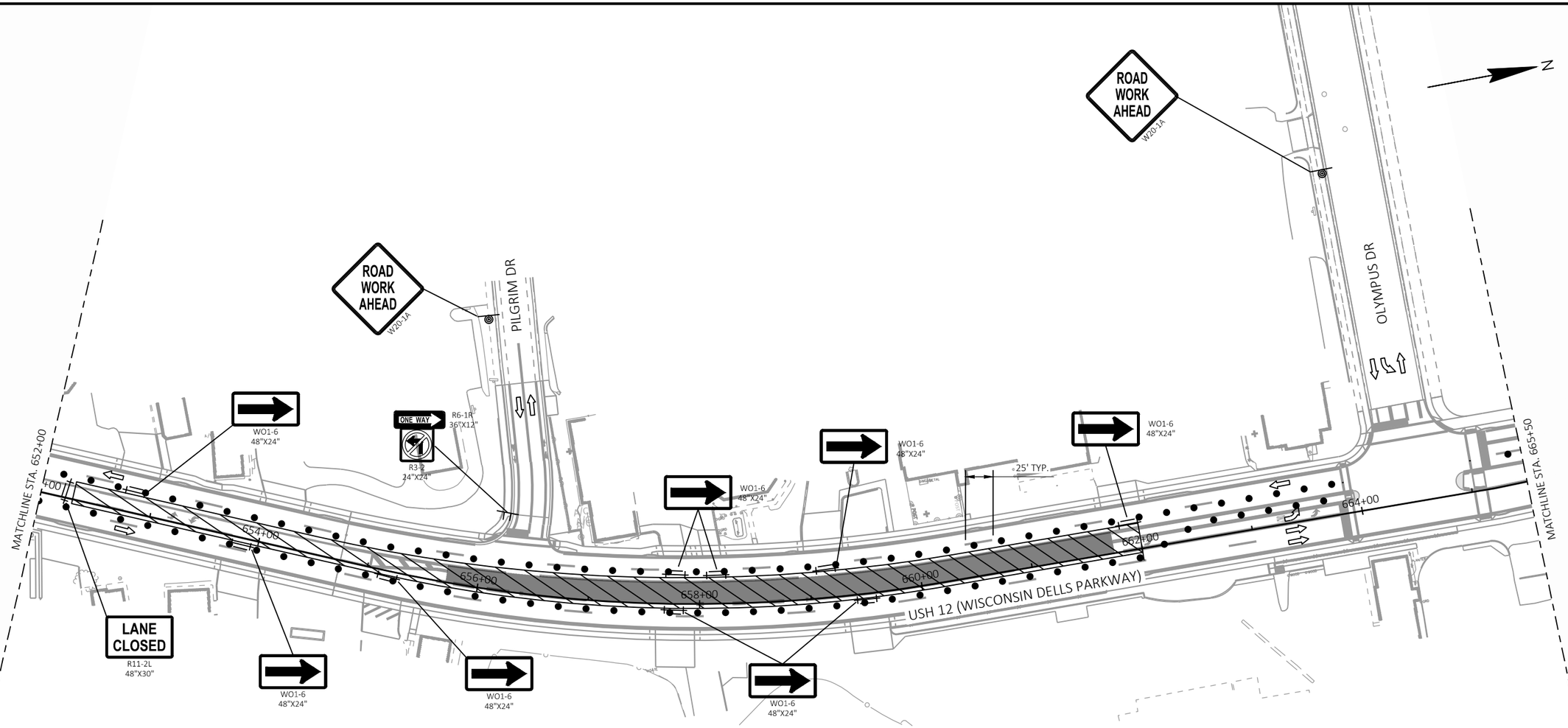
TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN	DELINEATOR FLEXIBLE/TUBULAR MARKER
TRAFFIC CONTROL DRUM	WORK AREA
TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT	DIRECTION OF TRAFFIC
CONNECTED ARROW BOARD	PORTABLE CHANGEABLE MESSAGE BOARD
WORK ZONE START LOCATION MARKER	TEMPORARY PAVEMENT (SEE NOTE)
WORK ZONE END LOCATION MARKER	REMOVING ASPHALTIC SURFACE MILLING
SIGN ON PERMANENT SUPPORT	
SIGN ON TEMPORARY SUPPORT	

NOTE: TEMPORARY PAVEMENT SHALL BE ASPHALTIC SURFACE TEMPORARY IF AVAILABLE. OTHERWISE CONCRETE PAVEMENT 8-INCH SHALL BE USED FOR WIDENING AND CONCRETE SIDEWALK 5-INCH FOR SIDEWALK LOCATIONS.

PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	TRAFFIC CONTROL: STAGE 5	SHEET 595	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\SINGLE LET_ALL IDS\025100_TC_S5.DWG
LAYOUT NAME - 04
PLOT DATE : 2/11/2026 3:25 PM
PLOT BY : CHAPMAN, JULIE
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42

2



LEGEND

TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN	DELINEATOR FLEXIBLE/TUBULAR MARKER
TRAFFIC CONTROL DRUM	WORK AREA
TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT	DIRECTION OF TRAFFIC
CONNECTED ARROW BOARD	PORTABLE CHANGEABLE MESSAGE BOARD (MB)
WORK ZONE START LOCATION MARKER (S)	TEMPORARY PAVEMENT (SEE NOTE)
WORK ZONE END LOCATION MARKER (E)	REMOVING ASPHALTIC SURFACE MILLING
SIGN ON PERMANENT SUPPORT	
SIGN ON TEMPORARY SUPPORT	

NOTE: TEMPORARY PAVEMENT SHALL BE ASPHALTIC SURFACE TEMPORARY IF AVAILABLE. OTHERWISE CONCRETE PAVEMENT 8-INCH SHALL BE USED FOR WIDENING AND CONCRETE SIDEWALK 5-INCH FOR SIDEWALK LOCATIONS.

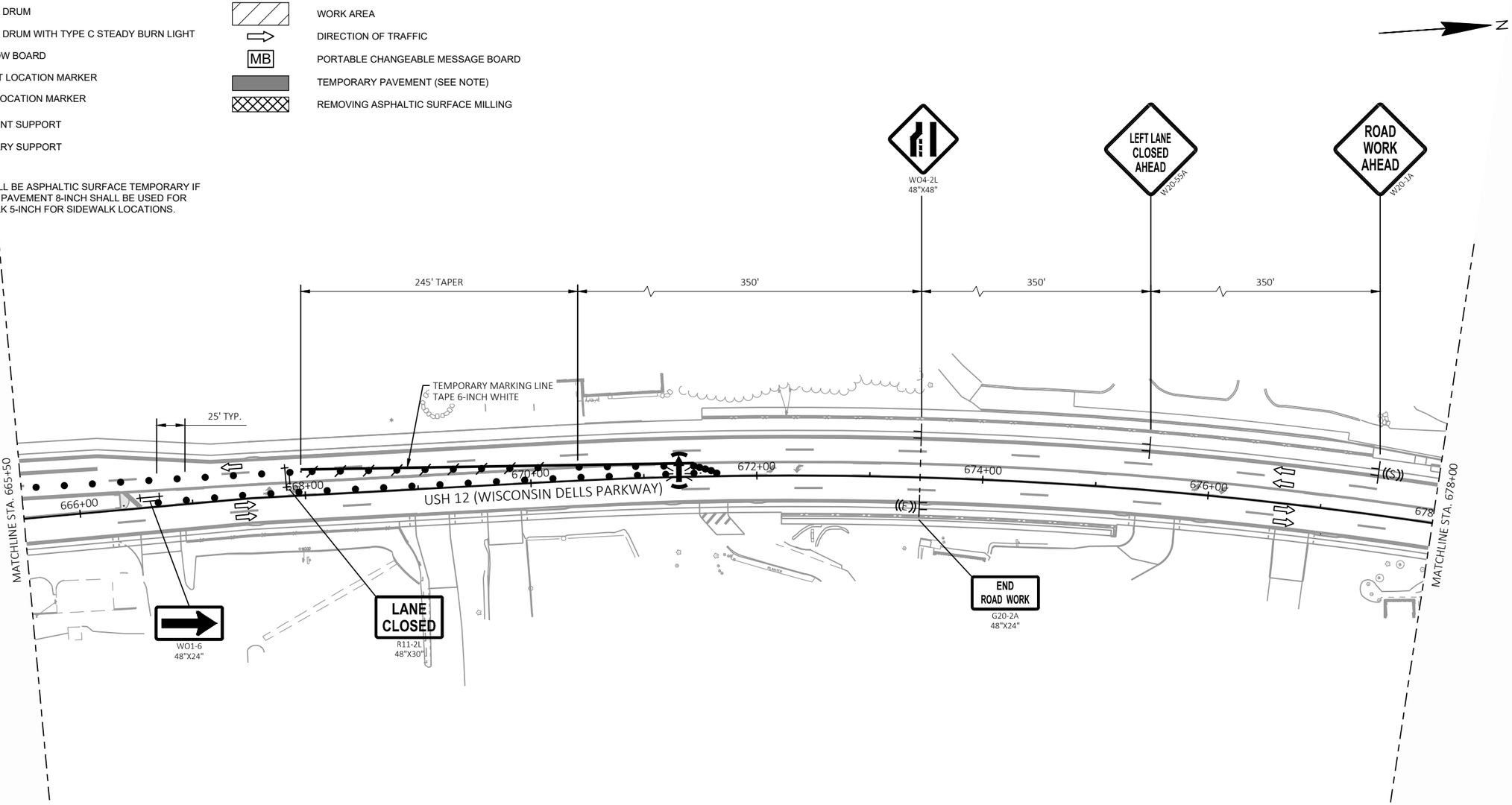
PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	TRAFFIC CONTROL: STAGE 5	SHEET 596	E

2

LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- WORK ZONE START LOCATION MARKER
- WORK ZONE END LOCATION MARKER
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- WORK AREA
- DIRECTION OF TRAFFIC
- PORTABLE CHANGEABLE MESSAGE BOARD (MB)
- TEMPORARY PAVEMENT (SEE NOTE)
- REMOVING ASPHALTIC SURFACE MILLING

NOTE: TEMPORARY PAVEMENT SHALL BE ASPHALTIC SURFACE TEMPORARY IF AVAILABLE. OTHERWISE CONCRETE PAVEMENT 8-INCH SHALL BE USED FOR WIDENING AND CONCRETE SIDEWALK 5-INCH FOR SIDEWALK LOCATIONS.



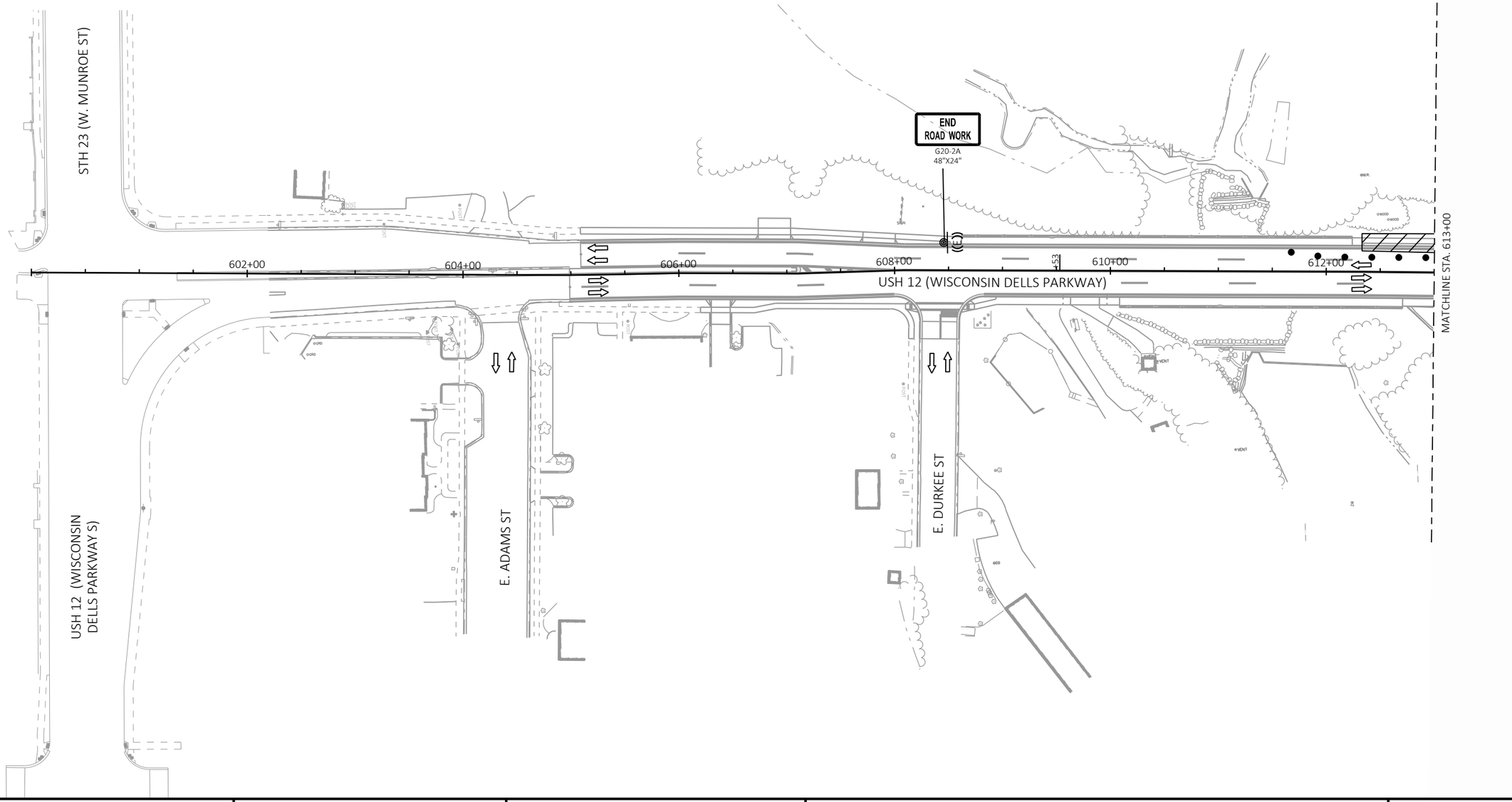
PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	TRAFFIC CONTROL: STAGE 5	SHEET 597	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\SINGLE LET_ALL IDS\025100_TC_S5.DWG
LAYOUT NAME - 06
PLOT DATE : 2/11/2026 3:25 PM
PLOT BY : CHAPMAN, JULIE
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42

LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- WORK ZONE START LOCATION MARKER
- WORK ZONE END LOCATION MARKER
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- WORK AREA
- DIRECTION OF TRAFFIC
- PORTABLE CHANGEABLE MESSAGE BOARD
- TEMPORARY PAVEMENT (SEE NOTE)
- REMOVING ASPHALTIC SURFACE MILLING

NOTE: TEMPORARY PAVEMENT SHALL BE ASPHALTIC SURFACE TEMPORARY IF AVAILABLE. OTHERWISE CONCRETE PAVEMENT 8-INCH SHALL BE USED FOR WIDENING AND CONCRETE SIDEWALK 5-INCH FOR SIDEWALK LOCATIONS.



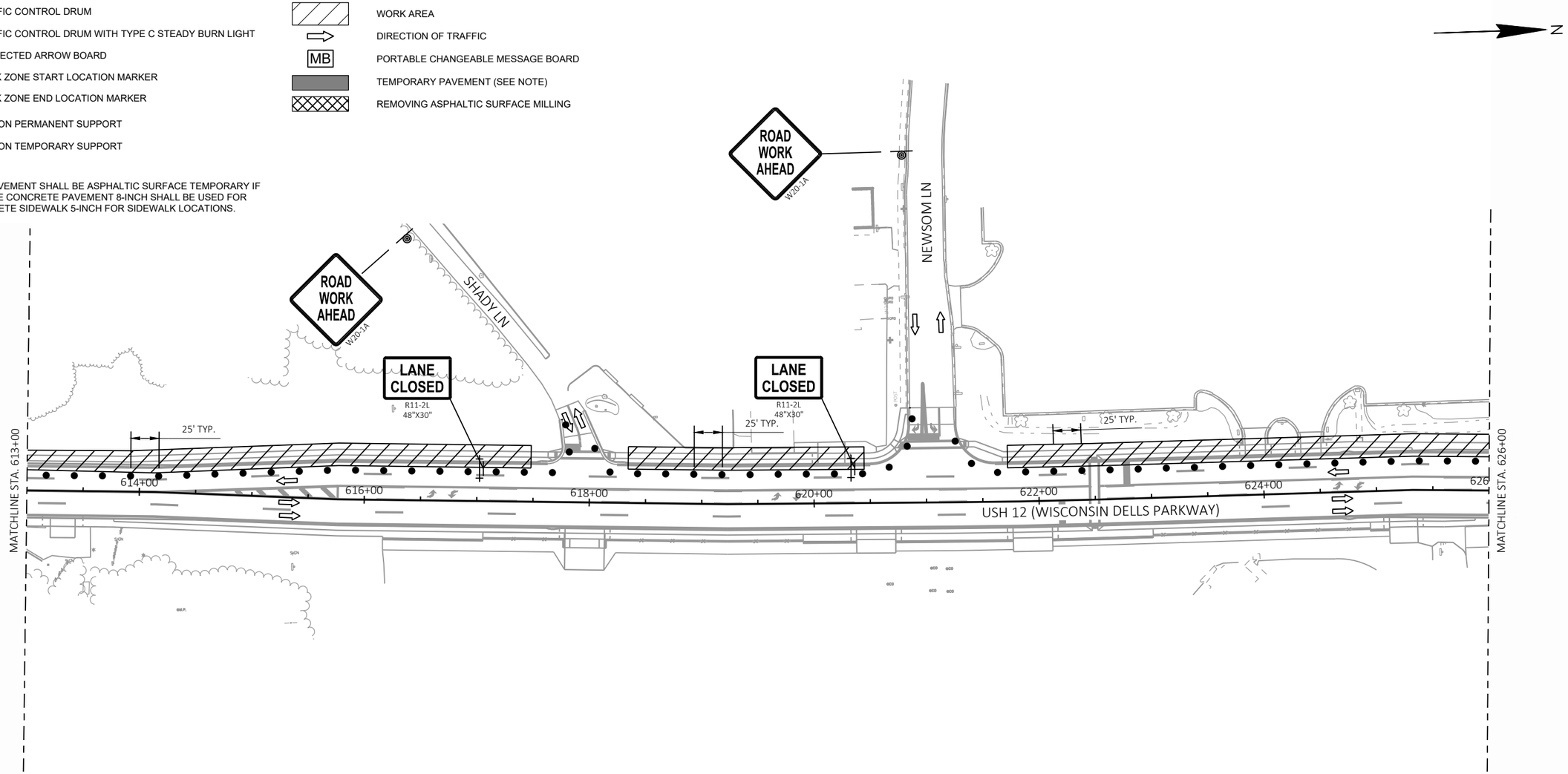
PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	TRAFFIC CONTROL: STAGE 6	SHEET 598	E

2

LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- WORK ZONE START LOCATION MARKER
- WORK ZONE END LOCATION MARKER
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- WORK AREA
- DIRECTION OF TRAFFIC
- PORTABLE CHANGEABLE MESSAGE BOARD
- TEMPORARY PAVEMENT (SEE NOTE)
- REMOVING ASPHALTIC SURFACE MILLING

NOTE: TEMPORARY PAVEMENT SHALL BE ASPHALTIC SURFACE TEMPORARY IF AVAILABLE. OTHERWISE CONCRETE PAVEMENT 8-INCH SHALL BE USED FOR WIDENING AND CONCRETE SIDEWALK 5-INCH FOR SIDEWALK LOCATIONS.



PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	TRAFFIC CONTROL: STAGE 6	SHEET 599	E

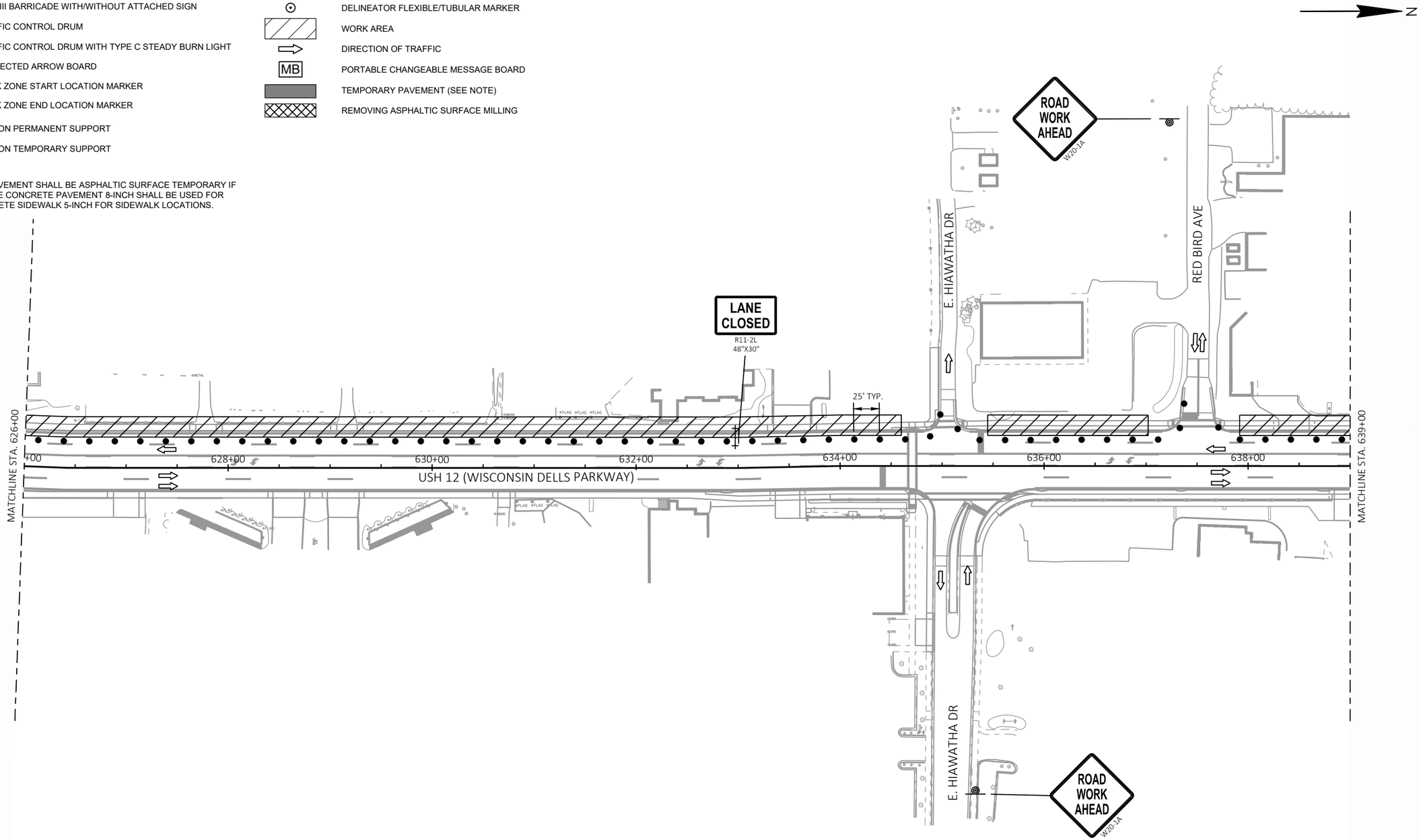
FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\SINGLE LET_ALL IDS\025100_TC_S6.DWG
LAYOUT NAME - 02

PLOT DATE : 2/11/2026 3:26 PM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:100 FT

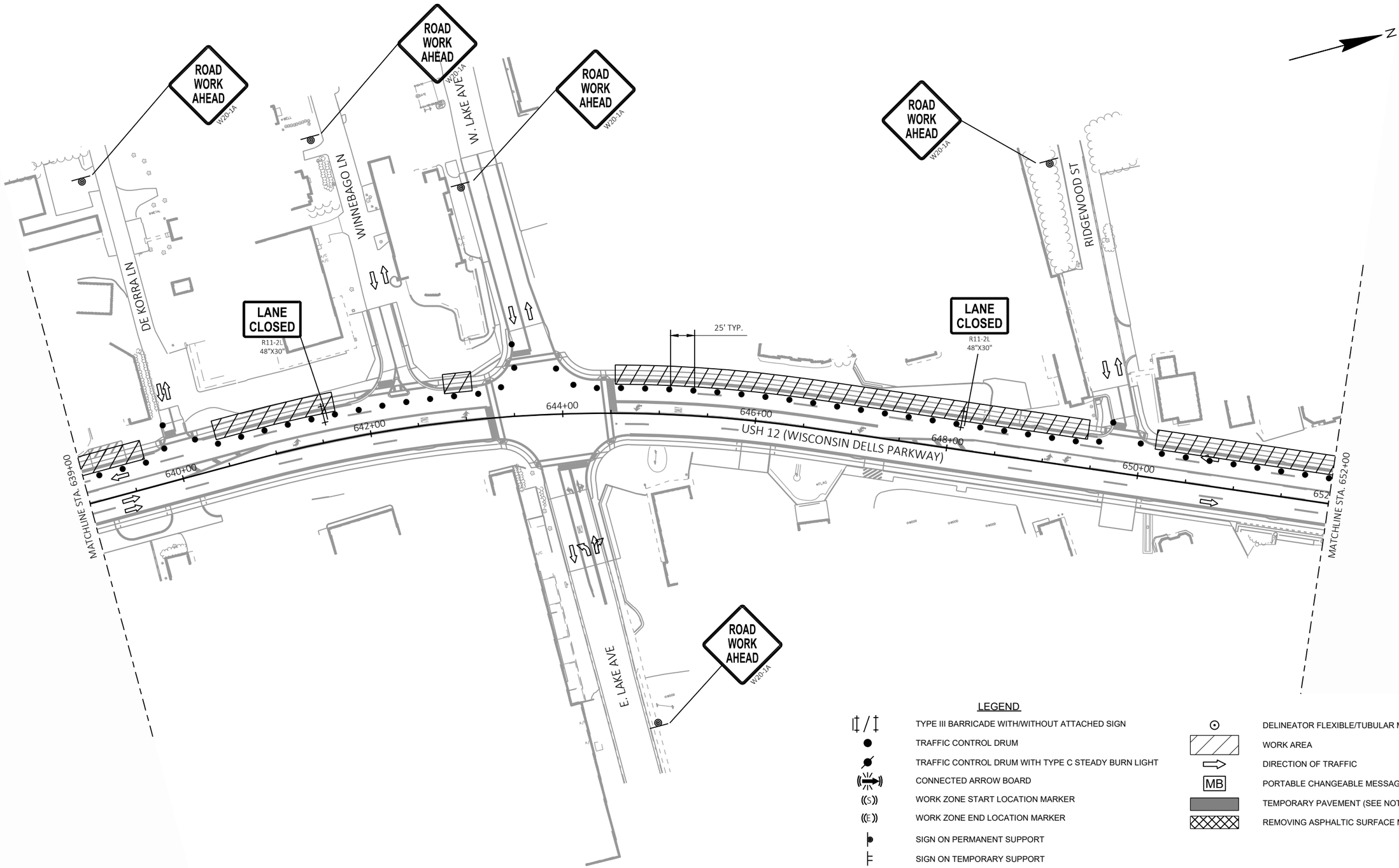
LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- WORK ZONE START LOCATION MARKER
- WORK ZONE END LOCATION MARKER
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- WORK AREA
- DIRECTION OF TRAFFIC
- PORTABLE CHANGEABLE MESSAGE BOARD
- TEMPORARY PAVEMENT (SEE NOTE)
- REMOVING ASPHALTIC SURFACE MILLING

NOTE: TEMPORARY PAVEMENT SHALL BE ASPHALTIC SURFACE TEMPORARY IF AVAILABLE. OTHERWISE CONCRETE PAVEMENT 8-INCH SHALL BE USED FOR WIDENING AND CONCRETE SIDEWALK 5-INCH FOR SIDEWALK LOCATIONS.



2



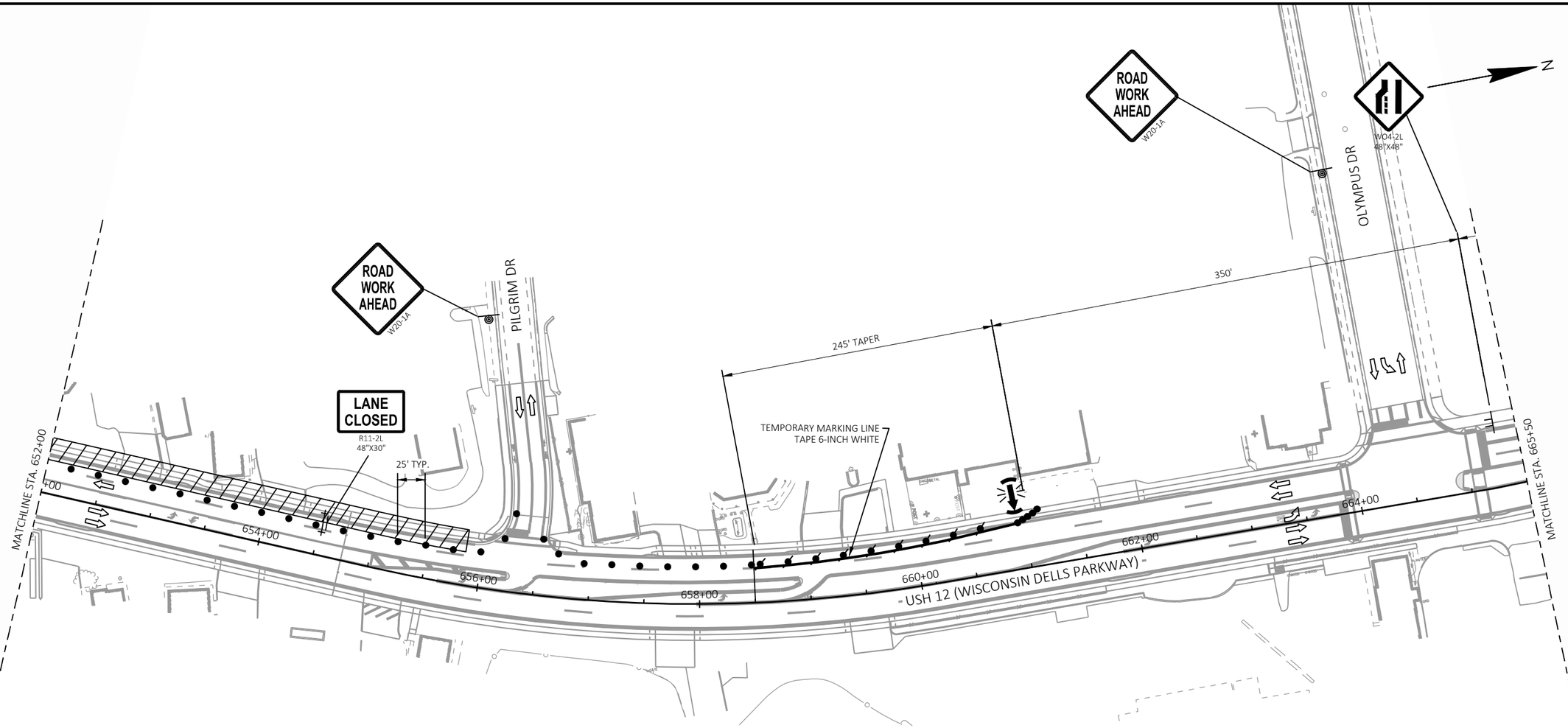
LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- WORK ZONE START LOCATION MARKER
- WORK ZONE END LOCATION MARKER
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- WORK AREA
- DIRECTION OF TRAFFIC
- PORTABLE CHANGEABLE MESSAGE BOARD
- TEMPORARY PAVEMENT (SEE NOTE)
- REMOVING ASPHALTIC SURFACE MILLING

NOTE: TEMPORARY PAVEMENT SHALL BE ASPHALTIC SURFACE TEMPORARY IF AVAILABLE. OTHERWISE CONCRETE PAVEMENT 8-INCH SHALL BE USED FOR WIDENING AND CONCRETE SIDEWALK 5-INCH FOR SIDEWALK LOCATIONS.

PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	TRAFFIC CONTROL: STAGE 6	SHEET 601	E

2



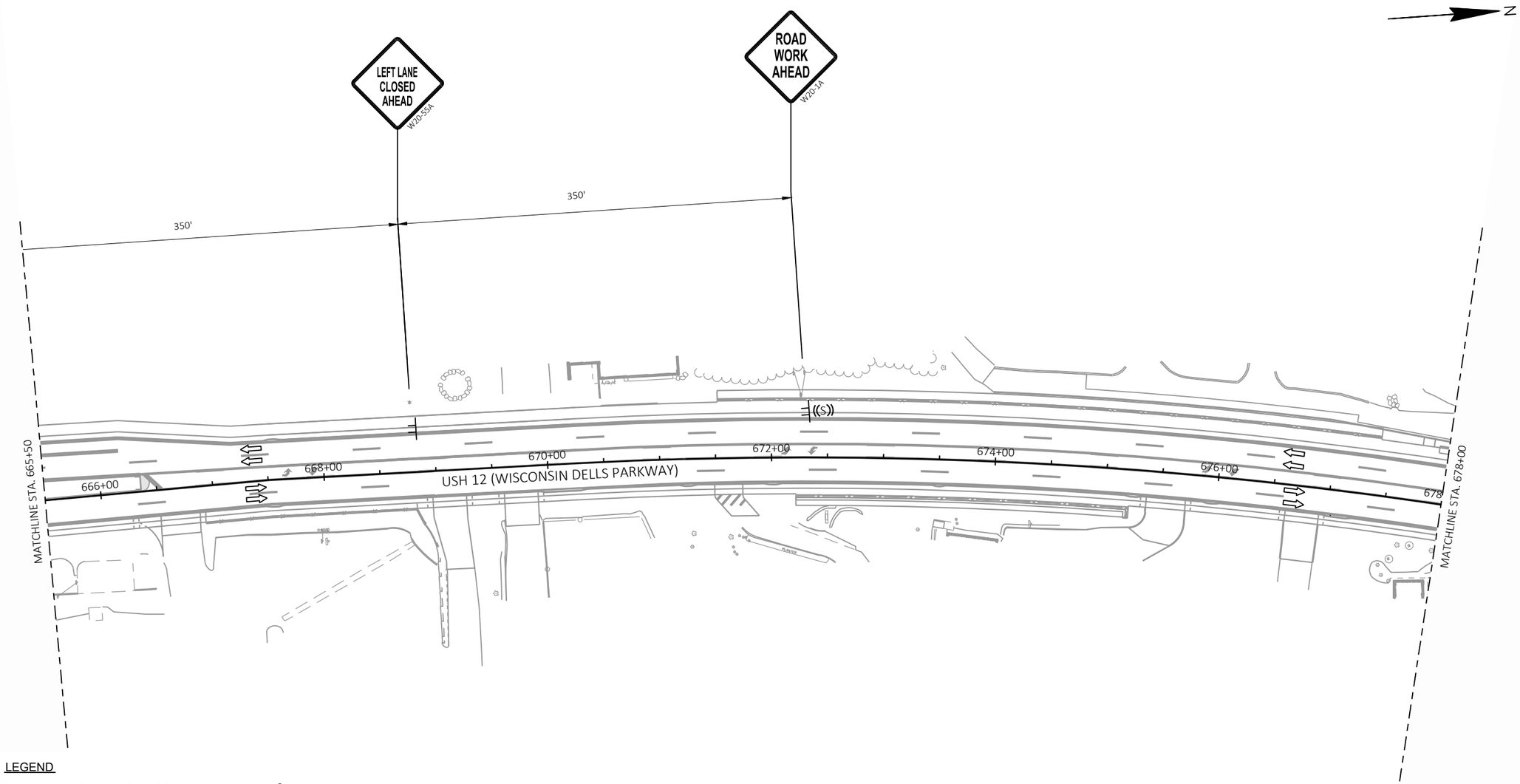
LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- WORK ZONE START LOCATION MARKER
- WORK ZONE END LOCATION MARKER
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- WORK AREA
- DIRECTION OF TRAFFIC
- PORTABLE CHANGEABLE MESSAGE BOARD (MB)
- TEMPORARY PAVEMENT (SEE NOTE)
- REMOVING ASPHALTIC SURFACE MILLING

NOTE: TEMPORARY PAVEMENT SHALL BE ASPHALTIC SURFACE TEMPORARY IF AVAILABLE. OTHERWISE CONCRETE PAVEMENT 8-INCH SHALL BE USED FOR WIDENING AND CONCRETE SIDEWALK 5-INCH FOR SIDEWALK LOCATIONS.

PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	TRAFFIC CONTROL: STAGE 6	SHEET 602	E

2



LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- WORK ZONE START LOCATION MARKER
- WORK ZONE END LOCATION MARKER
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- WORK AREA
- DIRECTION OF TRAFFIC
- PORTABLE CHANGEABLE MESSAGE BOARD (MB)
- TEMPORARY PAVEMENT (SEE NOTE)
- REMOVING ASPHALTIC SURFACE MILLING

NOTE: TEMPORARY PAVEMENT SHALL BE ASPHALTIC SURFACE TEMPORARY IF AVAILABLE. OTHERWISE CONCRETE PAVEMENT 8-INCH SHALL BE USED FOR WIDENING AND CONCRETE SIDEWALK 5-INCH FOR SIDEWALK LOCATIONS.

PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	TRAFFIC CONTROL: STAGE 6	SHEET 603	E

LEGEND

- WORK AREA
- DETOUR ROUTE
- POST MOUNTED SIGN
- TYPE III BARRICADE
- MB — PORTABLE CHANGEABLE MESSAGE BOARD

NOTES:
THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS SHALL BE ADJUSTED TO FIT FIELD CONDITIONS.

IF THERE ARE EXISTING ROUTE MARKER ASSEMBLIES THAT WILL REMAIN IN PLACE, ADJUST THE LOCATION OF THE DETOUR SIGNS TO CORRESPOND WITH THE EXISTING ASSEMBLIES.

THE SPACING BETWEEN THE TRAFFIC CONTROL AND DETOUR SIGNS SHOULD BE ADJUSTED NOT TO CONFLICT WITH AND TO PROVIDE A MINIMUM OF 200' CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

ANY SIGNS, TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE", SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

FOLLOW SDD "BARRICADES AND SIGNS FOR MAINLINE CLOSURES" FOR MAINLINE ROAD CLOSED SIGNAGE.

M4-8 36"X18" — DETOUR
M3-4 36"X18" WEST | NORTH M3-1 36"X18"
M1-4 36"X36" 12 | 23 M1-6 36"X36"
1

M4-8 36"X18" — DETOUR
M3-2 36"X18" EAST | SOUTH M3-3 36"X18"
M1-4 36"X36" 12 | 23 M1-6 36"X36"
2

M3-4 36"X18" WEST | NORTH M3-1 36"X18"
M1-4 36"X36" 12 | 23 M1-6 36"X36"
3

M3-2 36"X18" EAST | SOUTH M3-3 36"X18"
M1-4 36"X36" 12 | 23 M1-6 36"X36"
4

END DETOUR M4-8A 24"X18"
M1-4 36"X36" 12 | 23 M1-6 36"X36"
5

DETOUR AHEAD W20-2A
A

ROAD CLOSED AHEAD W20-3A
B

MO5-1R 30"X30"
C

MO5-1L 30"X30"
D

MO6-1 30"X30"
E

MO6-1 30"X30"
F

MO6-1 30"X30"
G

MO5-2R 30"X30"
H

MO5-2L 30"X30"
I

MO6-2 30"X30"
J

MO6-2 30"X30"
K

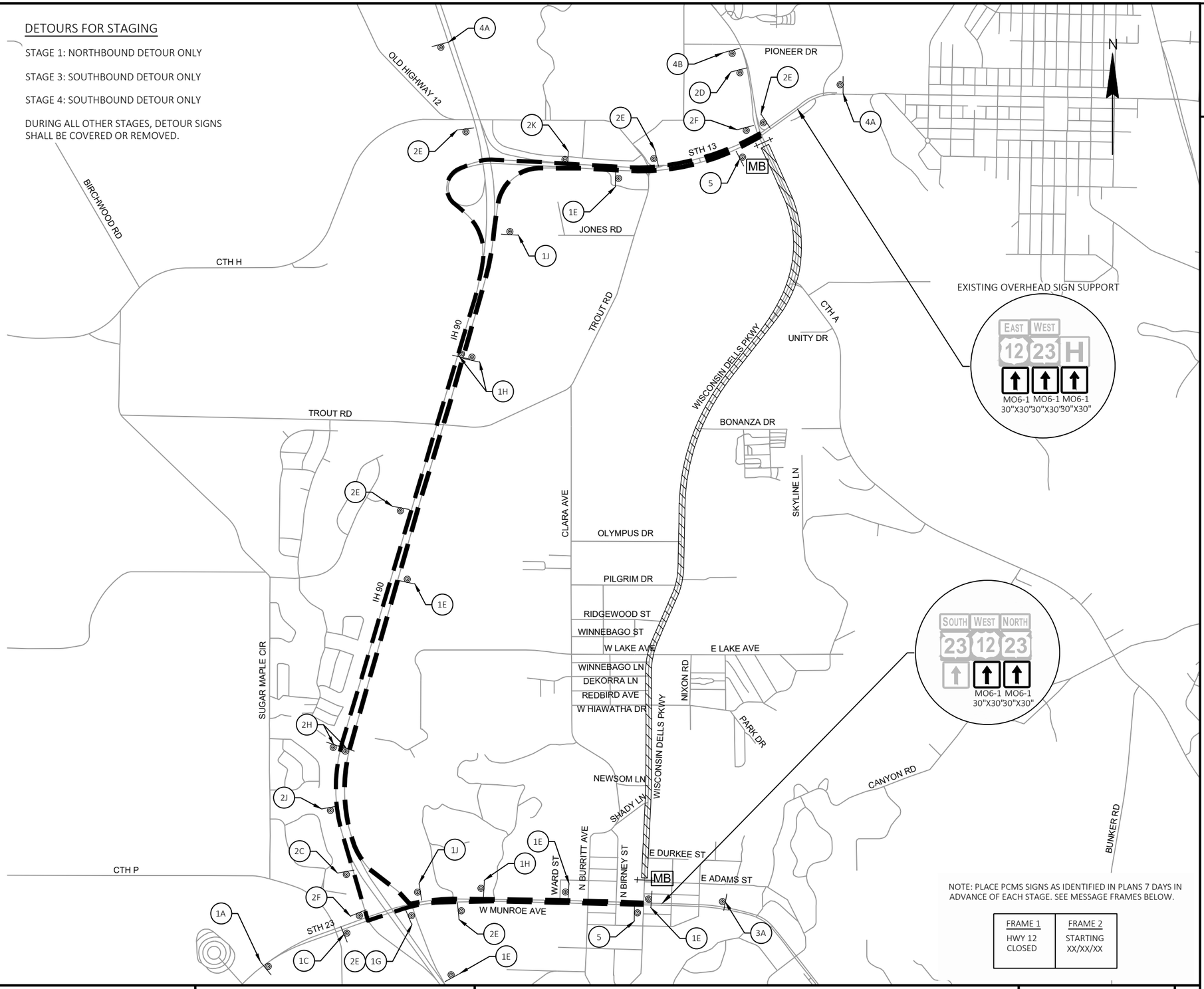
DETOURS FOR STAGING

STAGE 1: NORTHBOUND DETOUR ONLY

STAGE 3: SOUTHBOUND DETOUR ONLY

STAGE 4: SOUTHBOUND DETOUR ONLY

DURING ALL OTHER STAGES, DETOUR SIGNS SHALL BE COVERED OR REMOVED.



NOTE: PLACE PCMS SIGNS AS IDENTIFIED IN PLANS 7 DAYS IN ADVANCE OF EACH STAGE. SEE MESSAGE FRAMES BELOW.

FRAME 1	FRAME 2
HWY 12 CLOSED	STARTING XX/XX/XX

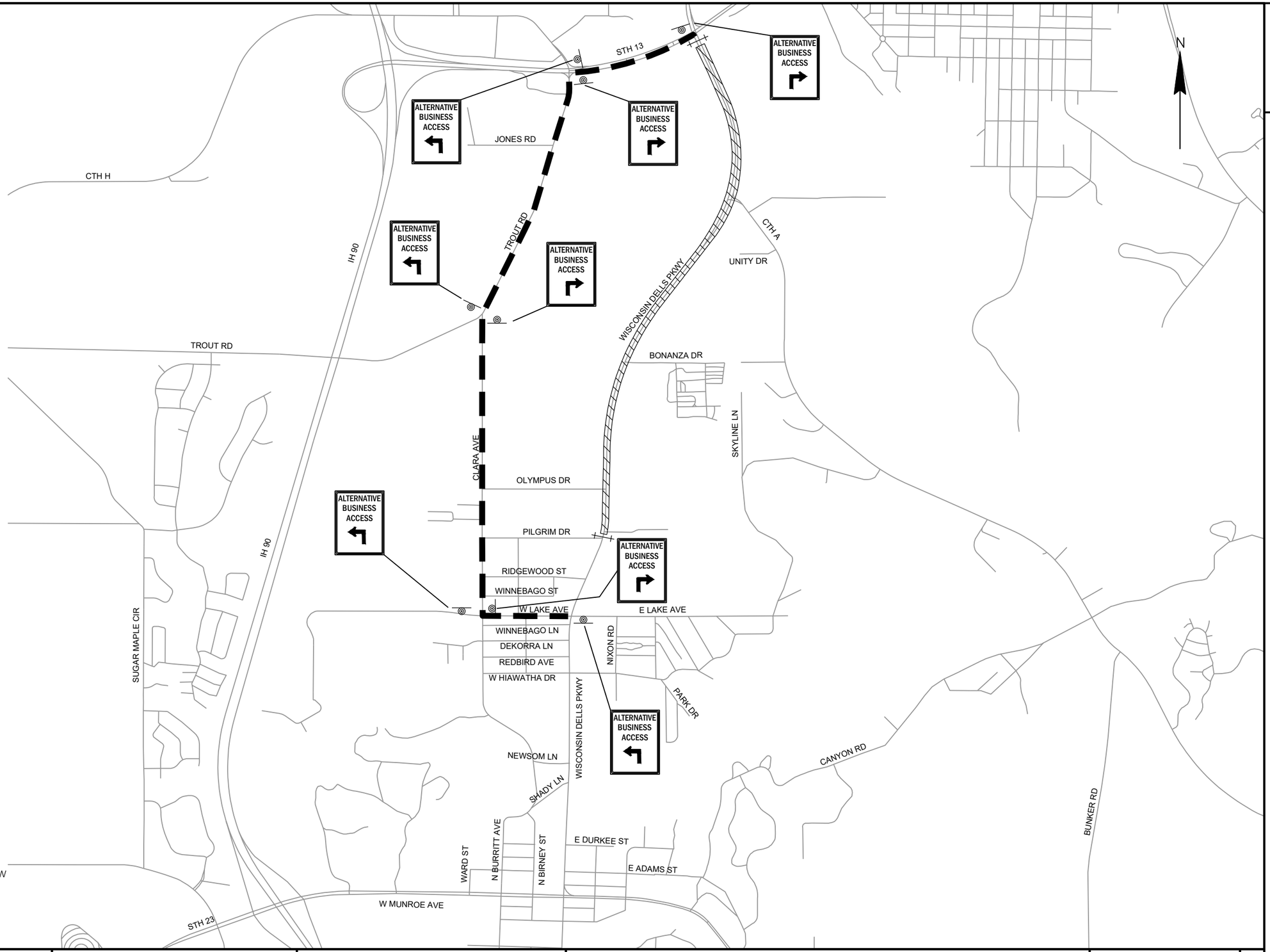
PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	DETOUR PLAN	SHEET 604	E

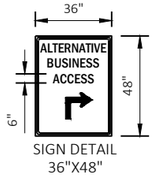
FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\SINGLE LET_ALL IDS\027001_DT.DWG
LAYOUT NAME - 01
PLOT DATE : 6/18/2025 11:16 AM
PLOT BY : CHAPMAN, JULIE
PLOT NAME :
PLOT SCALE : 1 IN:1750 FT
WISDOT/CADDS SHEET 42

2

LEGEND

- WORK AREA
- DETOUR ROUTE
- POST MOUNTED SIGN
- TYPE III BARRICADE





SIGN DETAIL
36"X48"

NOTE:

ALTERNATIVE BUSINESS SIGNING TO BE PAID FOR AS TRAFFIC CONTROL SIGNS FIXED MESSAGE.

POST MOUNTED SIGNS LOCATED NEAR OR ADJACENT TO THE SIDEWALK SHALL HAVE A 7-FT MINIMUM CLEARANCE FROM THE BOTTOM OF THE SIGN TO THE EXISTING OR NEW SIDEWALK.

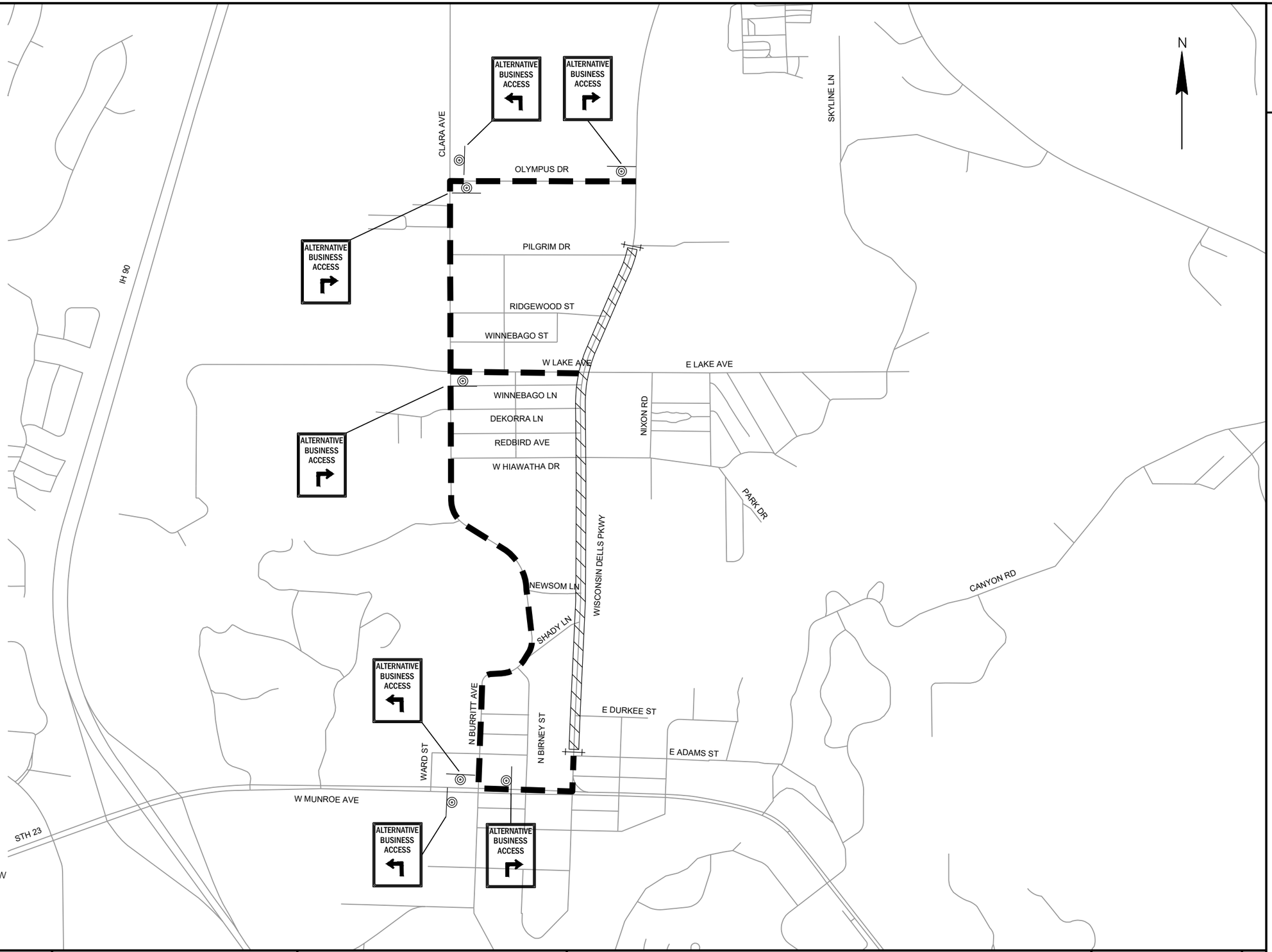
DETOUR SIGNING VISIBILITY SHALL TAKE PRIORITY OVER ALTERNATE BUSINESS ACCESS SIGNING.

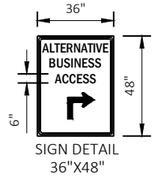
PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	ALTERNATIVE BUSINESS ACCESS SIGNING PLAN - STAGE 1 & 2	SHEET 605	E

2

LEGEND

- WORK AREA
- DETOUR ROUTE
- POST MOUNTED SIGN
- TYPE III BARRICADE





SIGN DETAIL
36"X48"

NOTE:

ALTERNATIVE BUSINESS SIGNING TO BE PAID FOR AS TRAFFIC CONTROL SIGNS FIXED MESSAGE.

POST MOUNTED SIGNS LOCATED NEAR OR ADJACENT TO THE SIDEWALK SHALL HAVE A 7-FT MINIMUM CLEARANCE FROM THE BOTTOM OF THE SIGN TO THE EXISTING OR NEW SIDEWALK.

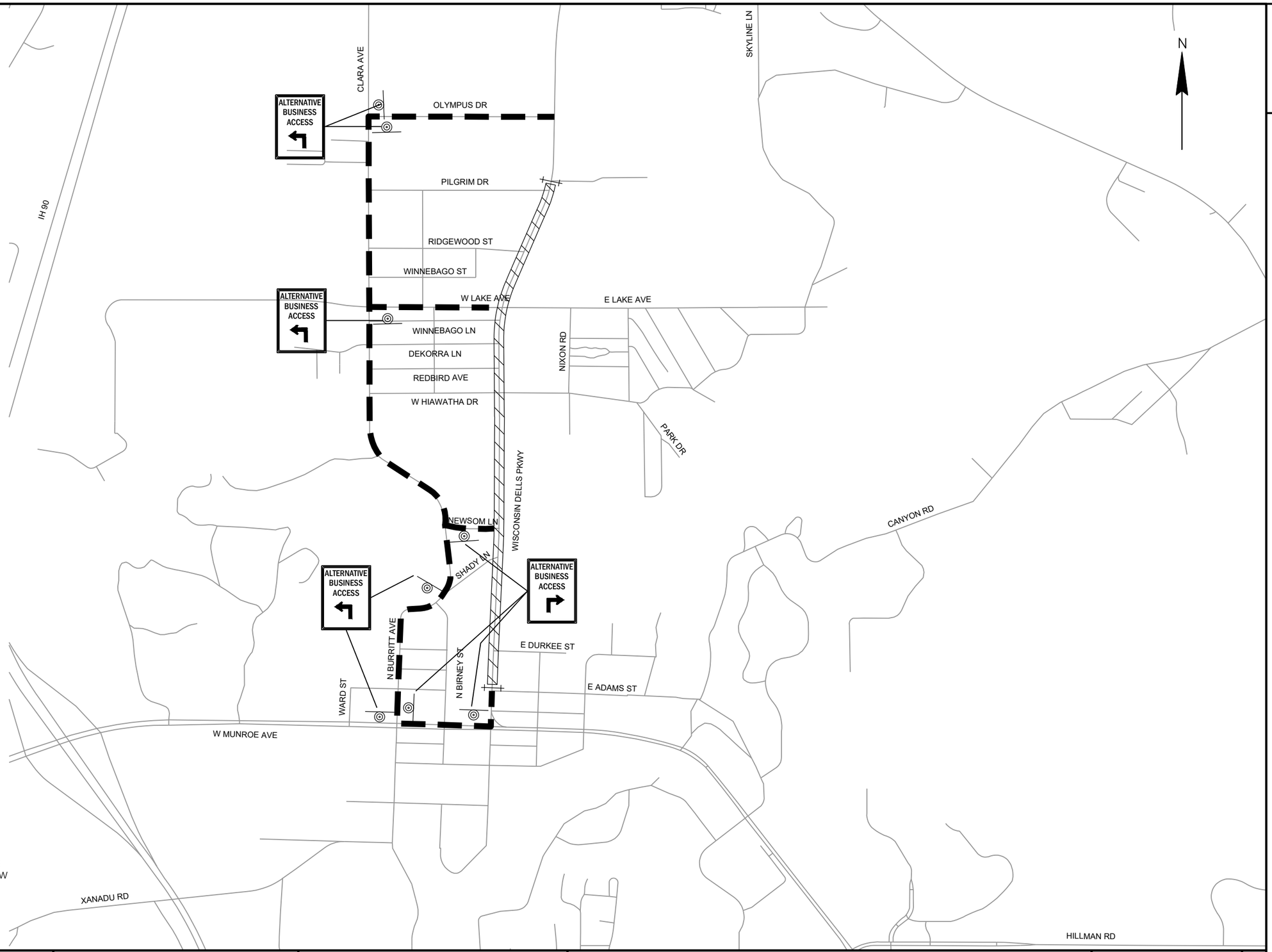
DETOUR SIGNING VISIBILITY SHALL TAKE PRIORITY OVER ALTERNATE BUSINESS ACCESS SIGNING.

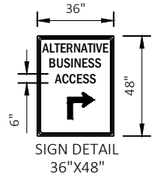
PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	ALTERNATIVE BUSINESS ACCESS SIGNING PLAN - STAGE 3	SHEET 606	E

2

LEGEND

- WORK AREA
- DETOUR ROUTE
- POST MOUNTED SIGN
- TYPE III BARRICADE





SIGN DETAIL
36"X48"

NOTE:

ALTERNATIVE BUSINESS SIGNING TO BE PAID FOR AS TRAFFIC CONTROL SIGNS FIXED MESSAGE.

POST MOUNTED SIGNS LOCATED NEAR OR ADJACENT TO THE SIDEWALK SHALL HAVE A 7-FT MINIMUM CLEARANCE FROM THE BOTTOM OF THE SIGN TO THE EXISTING OR NEW SIDEWALK.

DETOUR SIGNING VISIBILITY SHALL TAKE PRIORITY OVER ALTERNATE BUSINESS ACCESS SIGNING.

PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	ALTERNATIVE BUSINESS ACCESS SIGNING PLAN - STAGE 4	SHEET 607	E

PEDESTRIAN DETOUR SUMMARY

PRE-STAGE:
- PEDESTRIAN DETOURS FOR CTH A AND STH 13 INTERSECTIONS FOR TEMPORARY PAVEMENT INSTALLATION

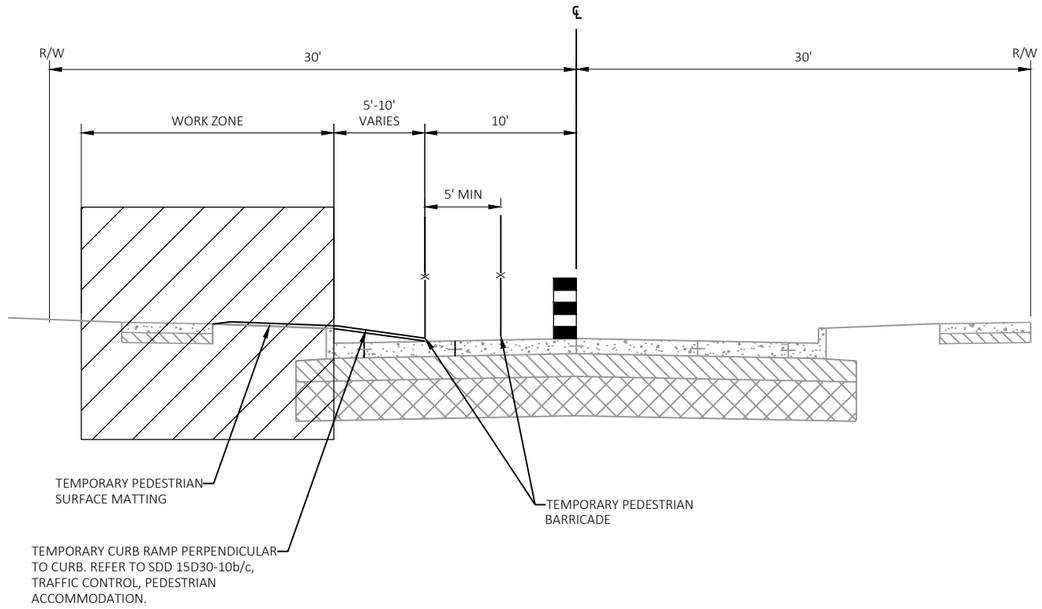
STAGE 1:
- PEDESTRIANS TO UTILIZE WEST SIDEWALK WHILE CONTRACTOR CONSTRUCTS EAST SIDEWALK AND CURB RAMPS FROM OLYMPUS RD TO STH 13.
- FROM CTH A INTERSECTION TO STA 729+80 RT, PEDESTRIANS SHALL UTILIZE ROADWAY PAVEMENT AND/OR PARKING LOT WITHIN EXISTING ROW OR TLE DURING CONSTRUCTION OF EAST SIDEWALK
- PEDESTRIAN CROSSINGS LOCATED AT:
  - OLYMPUS RD (EXISTING HAWK LOCATION)
  - CTH A INTERSECTION (TO BE CONSTRUCTED DURING 4-WEEK CLOSURE)
  - STH 13 INTERSECTION

STAGE 2
- PEDESTRIANS TO UTILIZE EAST SIDEWALK WHILE CONTRACTOR CONSTRUCTS WEST SIDEWALK/SHARED-USE PATH AND CURB RAMPS FROM OLYMPUS RD TO STH 13.
- PEDESTRIAN CROSSINGS LOCATED AT:
  - HOTEL ROME ENTRANCE (EXISTING HAWK LOCATION)
  - STH 13 INTERSECTION

STAGE 3
- PEDESTRIANS TO UTILIZE WEST SIDEWALK WHILE CONTRACTOR CONSTRUCTS EAST SIDEWALK AND CURB RAMPS FROM E ADAMS ST TO PILGRIM DR.
- FOR CONSTRUCTION OF HIAWATHA DR AND LAKE AVE INTERSECTIONS, CONTRACTOR SHALL INSTALL PEDESTRIAN DETOUR ALONG NIXON RD.
- PEDESTRIAN CROSSINGS LOCATED AT:
  - HIAWATHA DR
  - LAKE AVE
  - PILGRIM DR

STAGE 4
- PEDESTRIANS TO UTILIZE EAST SIDEWALK WHILE CONTRACTOR CONSTRUCTS WEST SIDEWALK AND CURB RAMPS FROM E ADAMS ST TO PILGRIM DR
- CONTRACTOR MAY CLOSE 2 OF 4 ROADWAYS BETWEEN HIAWATHA DR TO WINNEBAGO LN BUT MAINTAIN ACCESS TO PROPERTIES. PEDESTRIAN CURB RAMPS TO BE CONSTRUCTED DURING INTERSECTION CONSTRUCTION:
  - RED BIRD AVE AND DE KORRA LN CANNOT BE CLOSED AT SAME TIME
  - DE KORRA LN AND WINNEBAGO LN CANNOT BE CLOSED AT SAME TIME
  - WINNEBAGO LN AND W LAKE AVE CANNOT BE CLOSED AT SAME TIME
- RIDGEWOOD ST INTERSECTION SHALL BE CLOSED FOR CURB RAMP CONSTRUCTION TO ALLOW FOR PEDESTRIAN DETOUR AND CROSSING OF USH 12.
- PEDESTRIAN CROSSINGS LOCATED AT:
  - NEWSOM RD (EXISTING HAWK LOCATION)
  - HIAWATHA DR
  - LAKE AVE
  - RIDGEWOOD ST
  - PILGRIM DR

STAGE 5
- PEDESTRIANS TO UTILIZE NEXT AVAILABLE CROSSING DURING SHORT TERM CLOSURE WHILE CENTER LANE PAVEMENT OR MEDIAN IS CONSTRUCTED. CONTRACTOR SHALL MAINTAIN ONE CROSSING AT LAKE AVE AND OLYMPUS RD AT ALL TIMES FOR PEDESTRIANS TO CROSS USH 12. PEDESTRIAN CROSSINGS LOCATED AT:
  - NEWSOM RD PEDESTRIAN CROSSING
  - LAKE AVE INTERSECTION
  - OLYMPUS RD SOUTH MEDIAN



TYPICAL SECTION - SIDEWALK CURB RAMP CLOSURE

(PEDESTRIAN CROSSINGS TO BE LOCATED WITHIN WORK ZONE)

2

2

N

NEWSOM LN

8 RD
8 RD
8 RD

POST

WHEN SIDEWALK IS CLOSED BETWEEN HOTEL SIDEWALK CONNECTION AND NEWSOM PEDESTRIAN CROSSING, CONTRACTOR SHALL PROVIDE THIS ADDITIONAL PEDESTRIAN CROSSING FOR USH 12. IF SIDEWALK IS ACCESSIBLE TO THE NEWSOME PEDESTRIAN CROSSING, THEN ADDITIONAL CROSSING IS NOT NEEDED.

R9-9
24"X12"
SIDEWALK CLOSED

M4-9BL
30"X24"
DETOUR
SIDEWALK CLOSED
R9-9
24"X12"

PLACE TEMPORARY PEDESTRIAN CURB RAMP PERPENDICULAR TO CURB AND TEMPORARY PEDESTRIAN SURFACE MATTING TO CONNECT TO EXISTING SIDEWALK. FOLLOW WISDOT SDD TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATIONS.

M4-9BR
30"X24"
DETOUR
SIDEWALK CLOSED
R9-9
24"X12"

TLE
PR. R/W
EX. R/W

TEMPORARY MARKING LINE
PAINT 6-INCH WHITE

620+00
621+00
622+00
623+00
624+00
625+00

USH 12 (WISCONSIN DELLS PARKWAY)

EX. R/W
PR. R/W
PLE

PLACE TEMPORARY PEDESTRIAN CURB RAMP PERPENDICULAR TO CURB AND TEMPORARY PEDESTRIAN SURFACE MATTING TO CONNECT TO EXISTING SIDEWALK. FOLLOW WISDOT SDD TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATIONS.

PLACE TEMPORARY PEDESTRIAN CURB RAMP PERPENDICULAR TO CURB AND TEMPORARY PEDESTRIAN SURFACE MATTING TO CONNECT TO EXISTING SIDEWALK. FOLLOW WISDOT SDD TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATIONS.

LEGEND

- WORK AREA
- TEMPORARY PEDESTRIAN BARRICADE
- TEMPORARY PEDESTRIAN CURB RAMP
- TEMPORARY PEDESTRIAN SURFACE MATTING
- TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- PEDESTRIAN DETOUR ROUTE
- TEMPORARY AUDIBLE MESSAGE DEVICES
- DIRECTION OF TRAFFIC

PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	TRAFFIC CONTROL: PEDESTRIAN CROSSING STAGE 4 - NEWSOM RD	SHEET 609	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\SINGLE LET_ALL IDS\025100_TC_PED-DETOUR_S4.DWG
LAYOUT NAME - 027201_tc

PLOT DATE : 2/4/2026 3:17 PM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2

N

NEWSOM LN

SIDEWALK CLOSED

R9-9
24"X12"

620+00

621+00

622+00

623+00

624+00

625+00

626+00

USH 12 (WISCONSIN DELLS PARKWAY)

LEGEND

- WORK AREA
- TEMPORARY PEDESTRIAN BARRICADE
- TEMPORARY PEDESTRIAN CURB RAMP
- TEMPORARY PEDESTRIAN SURFACE MATTING
- TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- PEDESTRIAN DETOUR ROUTE
- TEMPORARY AUDIBLE MESSAGE DEVICES
- DIRECTION OF TRAFFIC

PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	TRAFFIC CONTROL: PEDESTRIAN CROSSING STAGE 5 - NEWSOM RD	SHEET 610	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\SINGLE LET_ALL IDS\025100_TC_PED-DETOUR_S5.DWG
LAYOUT NAME - 027201_tc

PLOT DATE : 2/4/2026 3:18 PM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2

N

M4-9BR
30"X24"

M4-9BL
30"X24"

DETOUR

TLE

PR. R/W

EX. R/W

USH 12 (WISCONSIN DELLS PARKWAY)

PI 633+68

PI 634+70

633+00

634+00

635+00

636+00

637+00

638+00

PLACE TEMPORARY PEDESTRIAN CURB RAMP PERPENDICULAR TO CURB AND TEMPORARY PEDESTRIAN SURFACE MATTING TO CONNECT TO EXISTING SIDEWALK. FOLLOW WISDOT SDD TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATIONS.

M4-9BL
30"X24"

R9-9
24"X12"

SIDEWALK CLOSED

GRD

E HIAWATHA DR

SEE PEDESTRIAN DETOUR FOR HIAWATHA DR TO LAKE AVE

LEGEND

- WORK AREA
- TEMPORARY PEDESTRIAN BARRICADE
- TEMPORARY PEDESTRIAN CURB RAMP
- TEMPORARY PEDESTRIAN SURFACE MATTING
- TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- PEDESTRIAN DETOUR ROUTE
- TEMPORARY AUDIBLE MESSAGE DEVICES
- DIRECTION OF TRAFFIC

PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	TRAFFIC CONTROL: PEDESTRIAN CROSSING STAGE 3 - HIAWATHA DR	SHEET 611	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\SINGLE LET_ALL IDS\025100_TC_PED-DETOUR_S3.DWG
LAYOUT NAME - 027202_tc

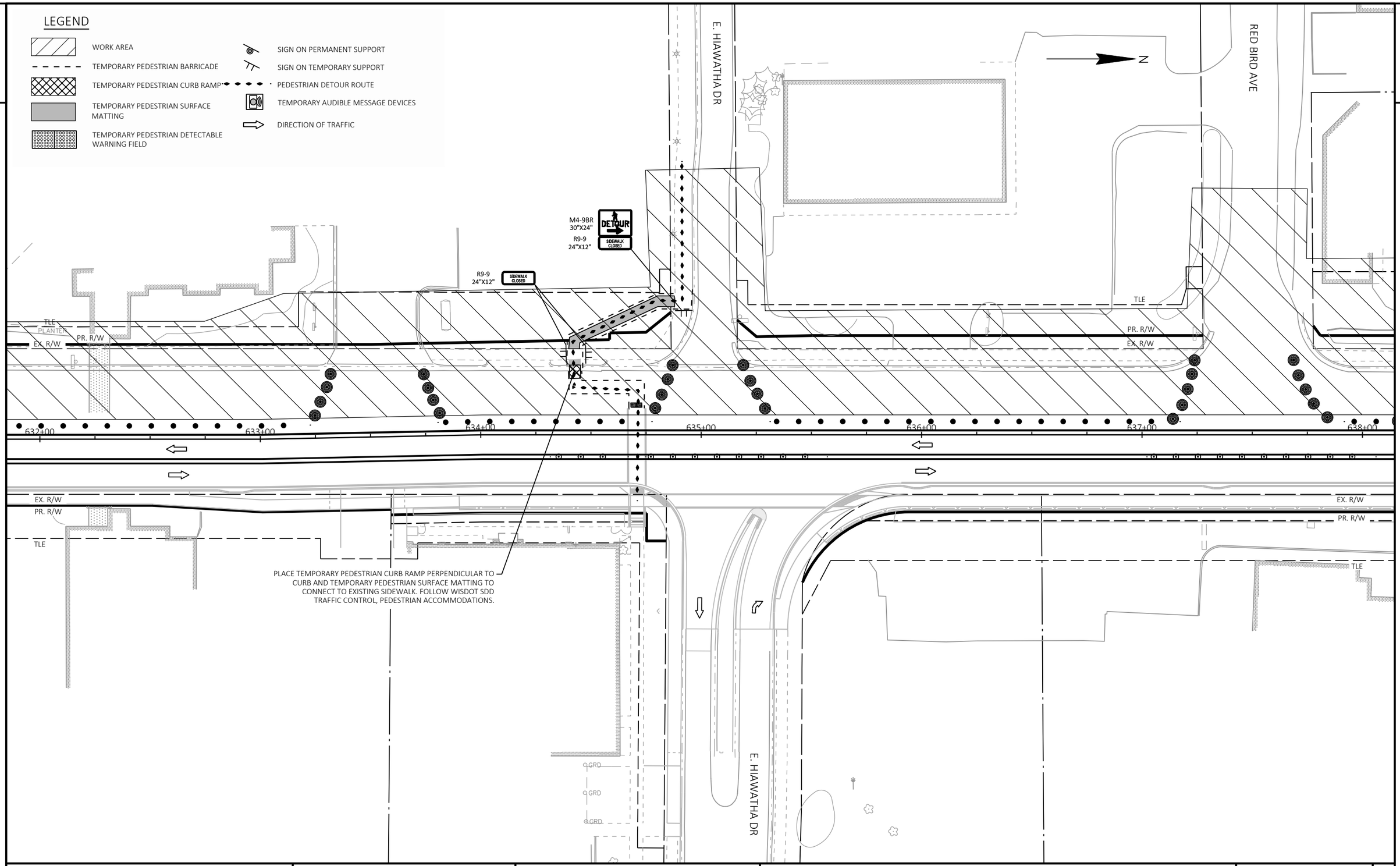
PLOT DATE : 2/4/2026 3:19 PM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- WORK AREA
- TEMPORARY PEDESTRIAN BARRICADE
- TEMPORARY PEDESTRIAN CURB RAMP
- TEMPORARY PEDESTRIAN SURFACE MATTING
- TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- PEDESTRIAN DETOUR ROUTE
- TEMPORARY AUDIBLE MESSAGE DEVICES
- DIRECTION OF TRAFFIC



PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	TRAFFIC CONTROL: PEDESTRIAN CROSSING STAGE 4 - HIAWATHA DR	SHEET 612	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\SINGLE LET_ALL IDS\025100_TC_PED-DETOUR_S4.DWG
LAYOUT NAME - 027202_tc

PLOT DATE : 2/4/2026 3:21 PM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

N

USH 12 (WISCONSIN DELLS PARKWAY)

W HIAWATHA DR

RED BIRD AVE

WINNEBAGO LN

E LAKE AVE

E HIAWATHA DR

NIXON RD

631+00 632+00 633+00 634+00 635+00 636+00 637+00 638+00 639+00 640+00 641+00 642+00 643+00 644+00 645+00 646+00

EX. R/W

PR. R/W

TLE

SIDEWALK CLOSED — R9-9 24"X12"

SIDEWALK CLOSED AHEAD — R9-9A 30"X18"

DETOUR — M4-9BR 30"X24"

DETOUR — M4-9BL 30"X24"

SIDEWALK CLOSED — R9-9 24"X12"

LEGEND

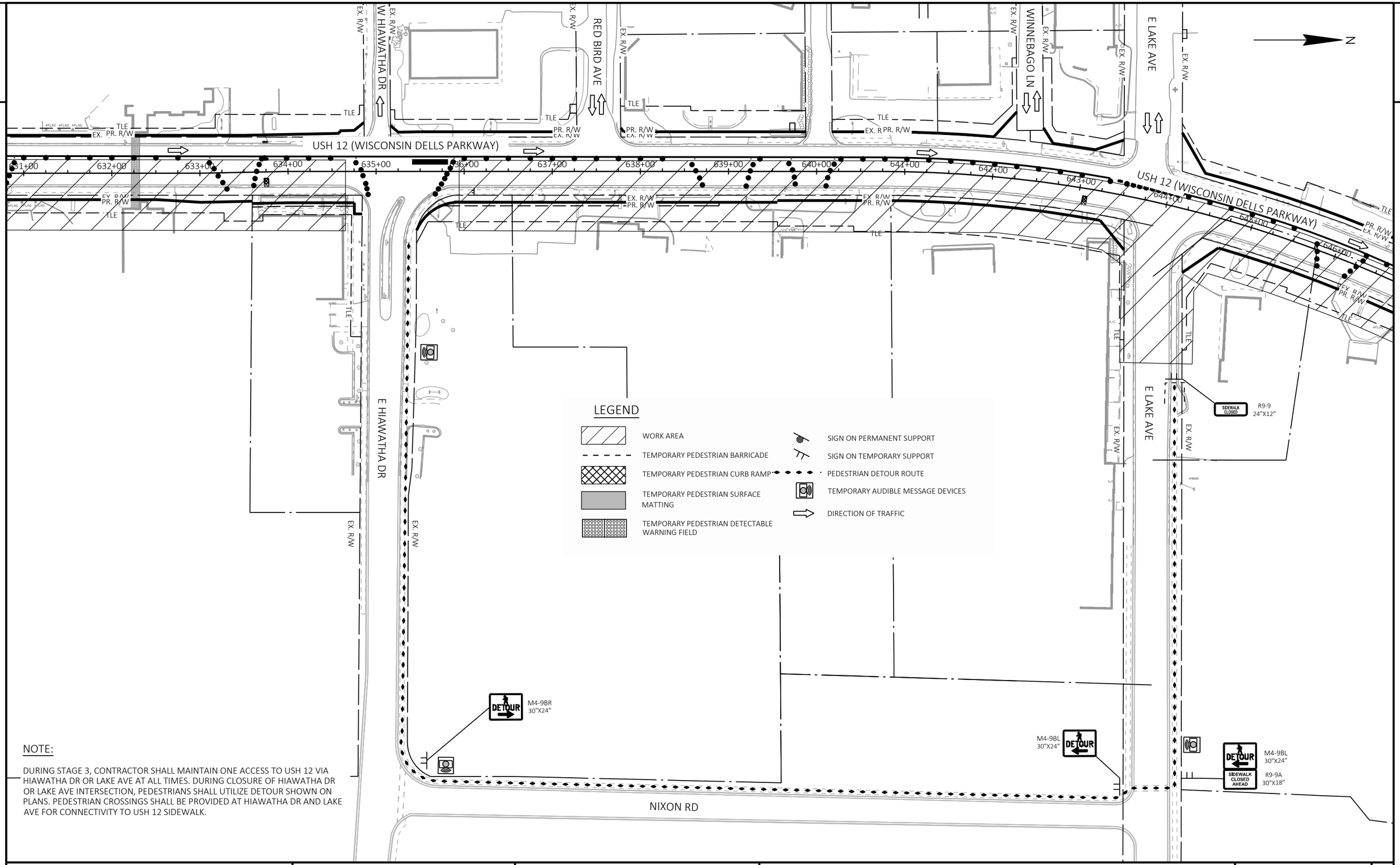
- WORK AREA
- TEMPORARY PEDESTRIAN BARRICADE
- TEMPORARY PEDESTRIAN CURB RAMP
- TEMPORARY PEDESTRIAN SURFACE MATTING
- TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- PEDESTRIAN DETOUR ROUTE
- TEMPORARY AUDIBLE MESSAGE DEVICES
- DIRECTION OF TRAFFIC

NOTE:

DURING STAGE 3, CONTRACTOR SHALL MAINTAIN ONE ACCESS TO USH 12 VIA HIAWATHA DR OR LAKE AVE AT ALL TIMES. DURING CLOSURE OF HIAWATHA DR OR LAKE AVE INTERSECTION, PEDESTRIANS SHALL UTILIZE DETOUR SHOWN ON PLANS. PEDESTRIAN CROSSINGS SHALL BE PROVIDED AT HIAWATHA DR AND LAKE AVE FOR CONNECTIVITY TO USH 12 SIDEWALK.

PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	TRAFFIC CONTROL: PEDESTRIAN DETOUR STAGE 3 - HIAWATHA DR TO LAKE AVE	SHEET 613	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\SINGLE LET_ALL IDS\025101_TC_PED-DETOUR_S3.DWG
LAYOUT NAME - 027201_tc
PLOT DATE : 2/4/2026 3:21 PM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42



NOTE:

DURING STAGE 3, CONTRACTOR SHALL MAINTAIN ONE ACCESS TO USH 12 VIA HIAWATHA DR OR LAKE AVE AT ALL TIMES. DURING CLOSURE OF HIAWATHA DR OR LAKE AVE INTERSECTION, PEDESTRIANS SHALL UTILIZE DETOUR SHOWN ON PLANS. PEDESTRIAN CROSSINGS SHALL BE PROVIDED AT HIAWATHA DR AND LAKE AVE FOR CONNECTIVITY TO USH 12 SIDEWALK.

PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	TRAFFIC CONTROL: PEDESTRIAN DETOUR STAGE 3 - LAKE AVE TO HIAWATHA DR	SHEET 614 E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\SINGLE LET_ALL IDS\025101_TC_PED-DETOUR_S3.DWG
LAYOUT NAME - 027202_tc
PLOT DATE : 2/4/2026 3:22 PM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42

2

WINNEBAGO LN

E LAKE AVE

USH 12 (WISCONSIN DELLS PARKWAY)

EX. R/W

PR. R/W

TLE

PLANTER

POST

641+00

642+00

643+00

644+00

645+00

646+00

R9-9
24"X12"
SIDEWALK CLOSED

PLACE TEMPORARY PEDESTRIAN CURB RAMP PERPENDICULAR TO CURB AND TEMPORARY PEDESTRIAN SURFACE MATTING TO CONNECT TO EXISTING SIDEWALK. FOLLOW WISDOT SDD TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATIONS.

SEE PEDESTRIAN DETOUR FOR HIAWATHA DR TO LAKE AVE

FLAG

A/C

LEGEND

- WORK AREA
- TEMPORARY PEDESTRIAN BARRICADE
- TEMPORARY PEDESTRIAN CURB RAMP
- TEMPORARY PEDESTRIAN SURFACE MATTING
- TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- PEDESTRIAN DETOUR ROUTE
- TEMPORARY AUDIBLE MESSAGE DEVICES
- DIRECTION OF TRAFFIC

PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	TRAFFIC CONTROL: PEDESTRIAN CROSSING STAGE 3 - LAKE AVE	SHEET 615	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\SINGLE LET_ALL IDS\025100_TC_PED-DETOUR_S3.DWG
LAYOUT NAME - 027203_tc

PLOT DATE : 2/4/2026 3:23 PM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

WINNEBAGO LN

W. LAKE AVE

N

R9-9
24"X12"

SIDEWALK CLOSED

PLANTER

TLE

EX. R/W

PR. R/W

POST

641+00

642+00

643+00

644+00

USH 12 (WISCONSIN DELLS PARKWAY)

645+00

646+00

PLACE TEMPORARY PEDESTRIAN CURB RAMP PERPENDICULAR TO CURB AND TEMPORARY PEDESTRIAN SURFACE MATTING TO CONNECT TO EXISTING SIDEWALK. FOLLOW WISDOT SDD TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATIONS.

A/C

E. LAKE AVE

FLAG

LEGEND

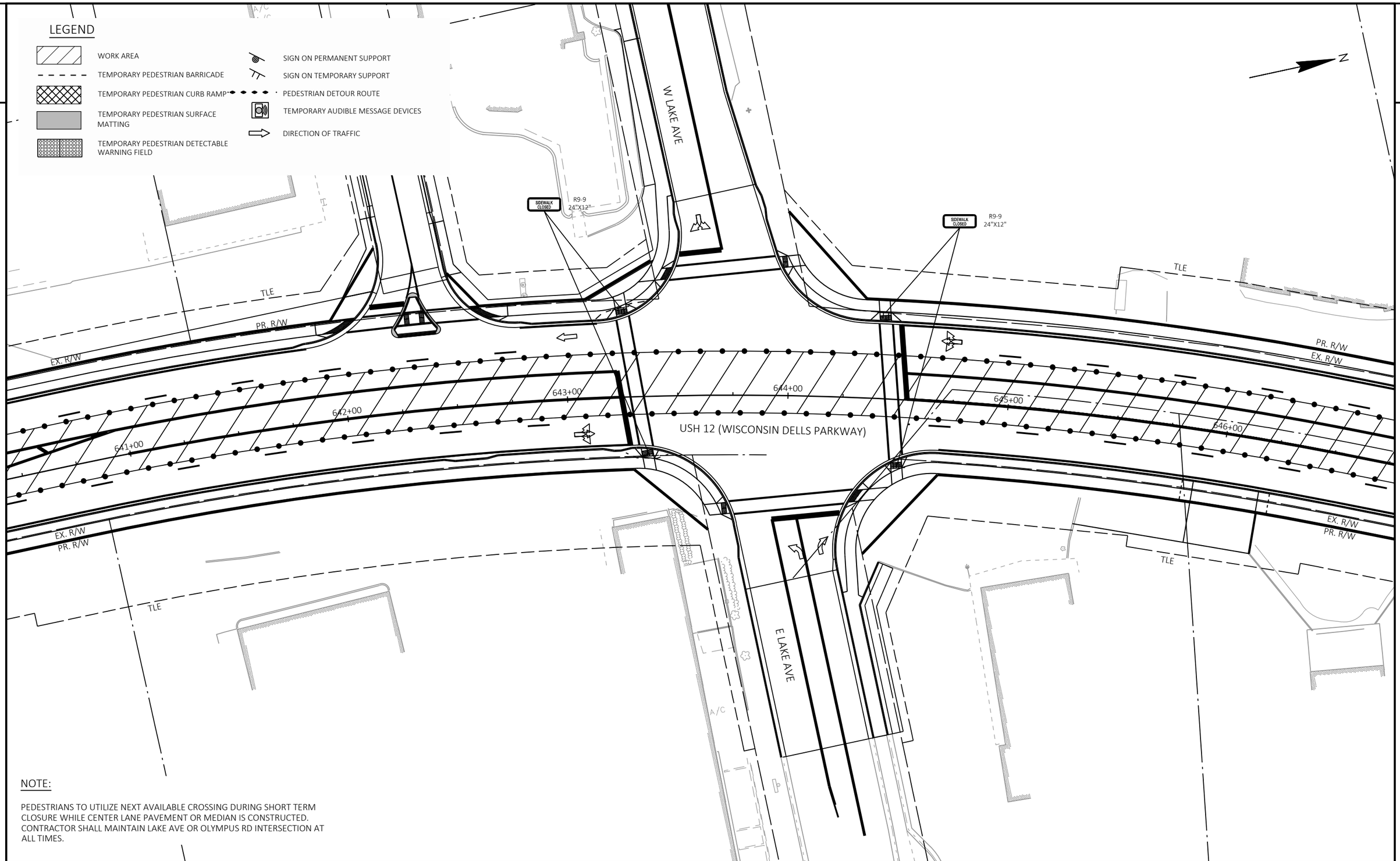
- WORK AREA
- TEMPORARY PEDESTRIAN BARRICADE
- TEMPORARY PEDESTRIAN CURB RAMP
- TEMPORARY PEDESTRIAN SURFACE MATTING
- TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- PEDESTRIAN DETOUR ROUTE
- TEMPORARY AUDIBLE MESSAGE DEVICES
- DIRECTION OF TRAFFIC

PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	TRAFFIC CONTROL: PEDESTRIAN CROSSING STAGE 4 - LAKE AVE	SHEET 616	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\SINGLE LET_ALL IDS\025100_TC_PED-DETOUR_S4.DWG
LAYOUT NAME - 027203_tc

PLOT DATE : 2/4/2026 3:24 PM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42



NOTE:

PEDESTRIANS TO UTILIZE NEXT AVAILABLE CROSSING DURING SHORT TERM CLOSURE WHILE CENTER LANE PAVEMENT OR MEDIAN IS CONSTRUCTED. CONTRACTOR SHALL MAINTAIN LAKE AVE OR OLYMPUS RD INTERSECTION AT ALL TIMES.

PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	TRAFFIC CONTROL: PEDESTRIAN CROSSING STAGE 5 - LAKE AVE	SHEET 617	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\SINGLE LET_ALL IDS\025100_TC_PED-DETOUR_S5.DWG
LAYOUT NAME - 027202_tc

PLOT DATE : 2/4/2026 3:25 PM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- WORK AREA
- TEMPORARY PEDESTRIAN BARRICADE
- TEMPORARY PEDESTRIAN CURB RAMP
- TEMPORARY PEDESTRIAN SURFACE MATTING
- TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- PEDESTRIAN DETOUR ROUTE
- TEMPORARY AUDIBLE MESSAGE DEVICES
- DIRECTION OF TRAFFIC

RIDGEWOOD ST

PLACE TEMPORARY PEDESTRIAN CURB RAMP PERPENDICULAR TO CURB AND TEMPORARY PEDESTRIAN SURFACE MATTING TO CONNECT TO EXISTING SIDEWALK. FOLLOW WISDOT SDD TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATIONS.

ROAD CLOSED
R11-2
48"X30"

M4-9BR
30"X24"

DETOUR
R9-9
24"X12"
SIDEWALK CLOSED

TLE

PR. R/W
EX. R/W

647+00 648+00 649+00 650+00 651+00 652+00 653+00

USH 12 (WISCONSIN DELLS PARKWAY)

EX. R/W
PR. R/W

TLE

WOOD WOOD WOOD

RIDGEWOOD ST INTERSECTION TO BE CLOSED FOR PEDESTRIAN DETOUR AND CROSSING DURING CONSTRUCTION OF CURB RAMPS.

PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	TRAFFIC CONTROL: PEDESTRIAN CROSSING STAGE 4 - RIDGEWOOD ST	SHEET 618	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\SINGLE LET_ALL IDS\025100_TC_PED-DETOUR_S4.DWG
LAYOUT NAME - 027204_tc

PLOT DATE : 2/4/2026 3:26 PM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

2

PILGRIM DRIVE

USH 12 (WISCONSIN DELLS PARKWAY)

652+00

653+00

654+00

655+00

656+00

657+00

658+00

M4-9BL
30"X24"

R9-9
24"X12"

PLACE TEMPORARY PEDESTRIAN CURB RAMP PERPENDICULAR TO CURB AND TEMPORARY PEDESTRIAN SURFACE MATTING TO CONNECT TO EXISTING SIDEWALK. FOLLOW WISDOT SDD TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATIONS.

M4-9BL
30"X24"

R9-9
24"X12"

LEGEND

- WORK AREA
- TEMPORARY PEDESTRIAN BARRICADE
- TEMPORARY PEDESTRIAN CURB RAMP
- TEMPORARY PEDESTRIAN SURFACE MATTING
- TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- PEDESTRIAN DETOUR ROUTE
- TEMPORARY AUDIBLE MESSAGE DEVICES
- DIRECTION OF TRAFFIC

PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	TRAFFIC CONTROL: PEDESTRIAN CROSSING STAGE 3 - PILGRIM DR	SHEET 619	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\SINGLE LET_ALL IDS\025100_TC_PED-DETOUR_S3.DWG
LAYOUT NAME - 027204_tc

PLOT DATE : 2/4/2026 3:27 PM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- WORK AREA
- TEMPORARY PEDESTRIAN BARRICADE
- TEMPORARY PEDESTRIAN CURB RAMP
- TEMPORARY PEDESTRIAN SURFACE MATTING
- TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- PEDESTRIAN DETOUR ROUTE
- TEMPORARY AUDIBLE MESSAGE DEVICES
- DIRECTION OF TRAFFIC

N

EX. R/W

EX. R/W

PILGRIM DR

M4-60R
30"X24"

R9-9
24"X12"

SIDEWALK CLOSED

TLE

TLE

PR. R/W

EX. R/W

654+00

655+00

656+00

657+00

658+00

659+00

EX. R/W

PR. R/W

TLE

TLE

PR. R/W

EX. R/W

GRD

GRD

GATE

USH 12 (WISCONSIN DELLS PARKWAY)

PLACE TEMPORARY PEDESTRIAN CURB RAMP PERPENDICULAR TO CURB AND TEMPORARY PEDESTRIAN SURFACE MATTING TO CONNECT TO EXISTING SIDEWALK. FOLLOW WISDOT SDD TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATIONS.

2

PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	TRAFFIC CONTROL: PEDESTRIAN CROSSING STAGE 4 - PILGRIM DR	SHEET 620	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\SINGLE LET_ALL IDS\025100_TC_PED-DETOUR_S4.DWG
LAYOUT NAME - 027205_tc

PLOT DATE : 2/4/2026 3:29 PM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

LEGEND

- WORK AREA
- TEMPORARY PEDESTRIAN BARRICADE
- TEMPORARY PEDESTRIAN CURB RAMP
- TEMPORARY PEDESTRIAN SURFACE MATTING
- TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- PEDESTRIAN DETOUR ROUTE
- TEMPORARY AUDIBLE MESSAGE DEVICES
- DIRECTION OF TRAFFIC

N

OLYMPUS DR

REFER TO CONSTRUCTION DETAILS FOR TEMPORARY RRFB

SIDEWALK CLOSED R9-9 24"X12"

661+00 662+00 663+00 664+00 665+00 666+00

TLE
PR. R/W
EX. R/W
PLE
WOOD
GRD

PLACE TEMPORARY PEDESTRIAN CURB RAMP PERPENDICULAR TO CURB AND TEMPORARY PEDESTRIAN SURFACE MATTING TO CONNECT TO EXISTING SIDEWALK. FOLLOW WISDOT SDD TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATIONS.

2

PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	TRAFFIC CONTROL: PEDESTRIAN CROSSING STAGE 1 - OLYMPUS RD	SHEET 621	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\SINGLE LET_ALL IDS\025100_TC_PED-DETOUR_S1.DWG
LAYOUT NAME - 027201_tc
PLOT DATE : 2/4/2026 3:30 PM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

2

LEGEND

- WORK AREA
- TEMPORARY PEDESTRIAN BARRICADE
- TEMPORARY PEDESTRIAN CURB RAMP
- TEMPORARY PEDESTRIAN SURFACE MATTING
- TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- PEDESTRIAN DETOUR ROUTE
- TEMPORARY AUDIBLE MESSAGE DEVICES
- DIRECTION OF TRAFFIC

N

HOTEL ROME ENTRANCE

VENT

POST

SIDEWALK CLOSED

R9-9
24"X12"

TLE

EX. R/W

USH 12 (WISCONSIN DELLS PARKWAY)

678+00

679+00

680+00

681+00

682+00

683+00

684+00

EX. R/W

TLE

SIGN

PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	TRAFFIC CONTROL: PEDESTRIAN CROSSING STAGE 1 - HOTEL ROME	SHEET 622	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\SINGLE LET_ALL IDS\025100_TC_PED-DETOUR_S1.DWG
LAYOUT NAME - 027202_tc

PLOT DATE : 2/4/2026 3:30 PM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2

PLACE TEMPORARY PEDESTRIAN CURB RAMP PERPENDICULAR TO CURB AND TEMPORARY PEDESTRIAN SURFACE PLATE/MATTING TO CONNECT TO EXISTING SIDEWALK. FOLLOW WISDOT SDD TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATIONS.

R9-9
24"X12"
SIDEWALK CLOSED

DETOUR
SIDEWALK CLOSED
M4-9BR
30"X24"
R9-9
24"X12"

R9-9
24"X12"
SIDEWALK CLOSED

VENT
POST
TLE
EX. R/W
USH
681+00
682+00
683+00
684+00
680+00
679+00
678+00
EX. R/W
TLE
SIGN

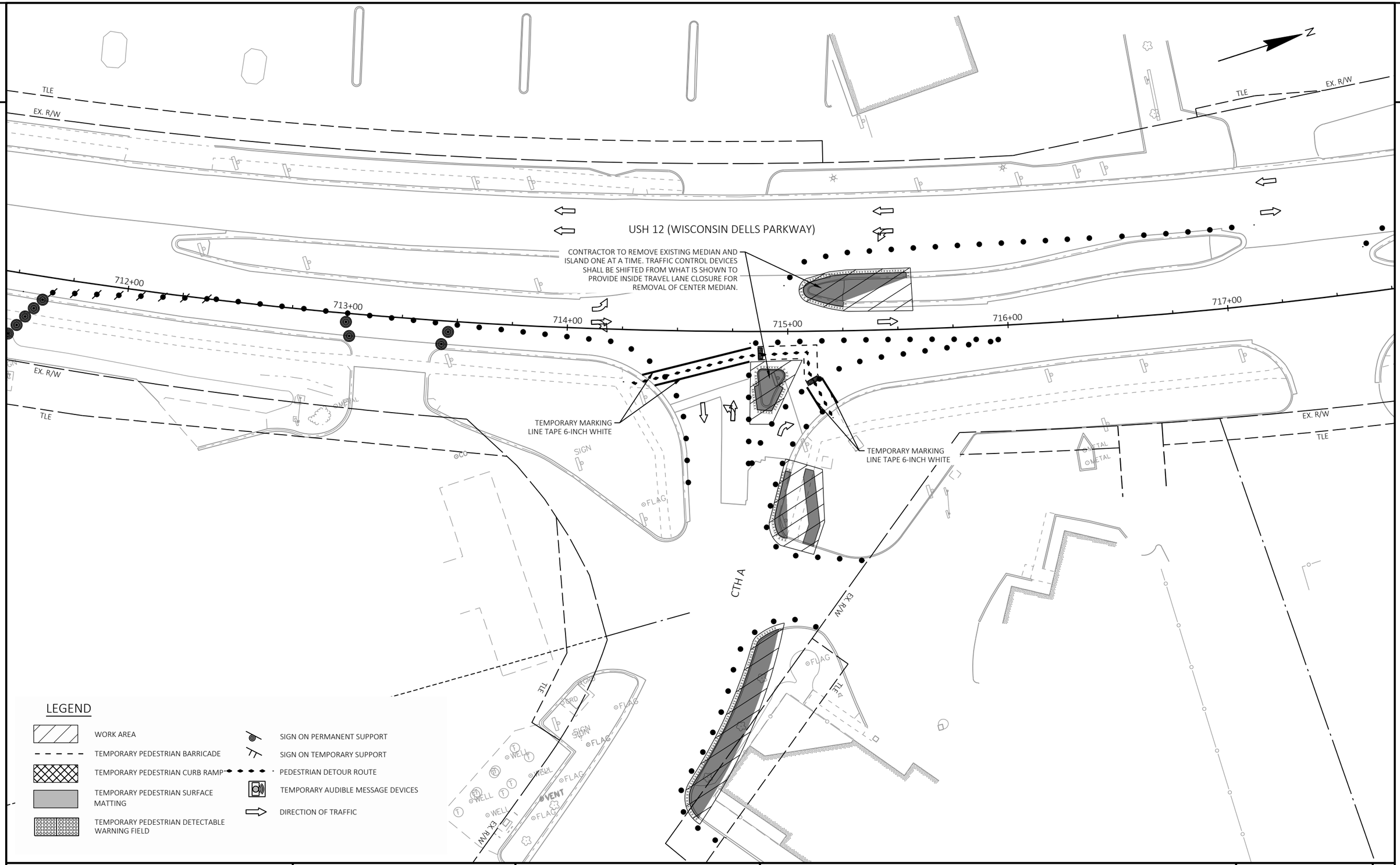
LEGEND

- WORK AREA
- TEMPORARY PEDESTRIAN BARRICADE
- TEMPORARY PEDESTRIAN CURB RAMP
- TEMPORARY PEDESTRIAN SURFACE MATTING
- TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- PEDESTRIAN DETOUR ROUTE
- TEMPORARY AUDIBLE MESSAGE DEVICES
- DIRECTION OF TRAFFIC

PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	TRAFFIC CONTROL: PEDESTRIAN CROSSING STAGE 2 - HOTEL ROME	SHEET 623	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\SINGLE LET_ALL IDS\025100_TC_PED-DETOUR_S2.DWG
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PLOT DATE : 2/4/2026 3:31 PM
PLOT BY : CHAPMAN, JULIE
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2



PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	TRAFFIC CONTROL: PEDESTRIAN DETOUR PRE-STAGE - CTH-A MEDIAN WORK	SHEET 624	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\SINGLE LET_ALL IDS\025100_TC_PED-DETOUR_S0.DWG
LAYOUT NAME - 027201_tc

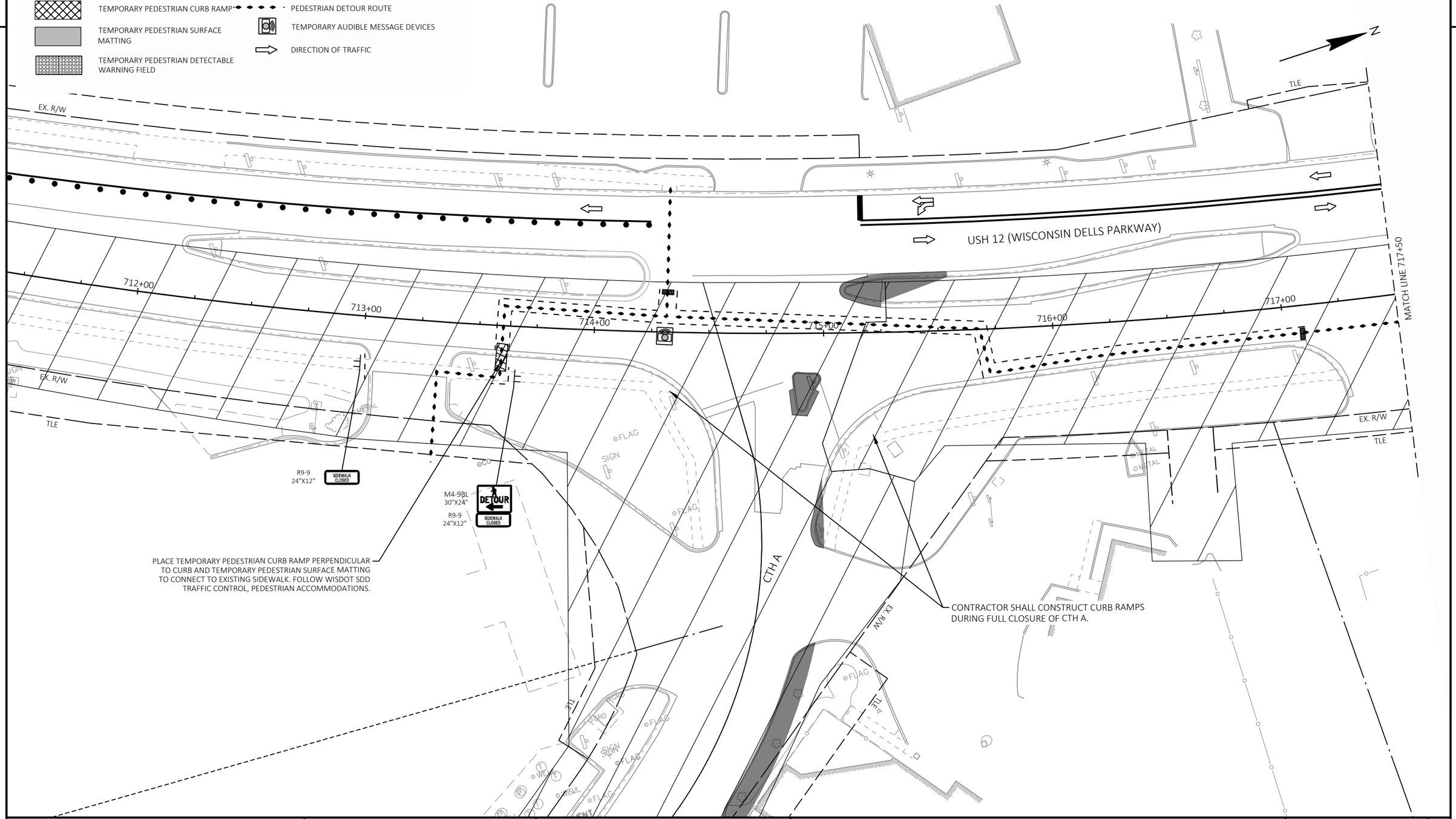
PLOT DATE : 2/4/2026 3:31 PM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

2

LEGEND

- WORK AREA
- TEMPORARY PEDESTRIAN BARRICADE
- TEMPORARY PEDESTRIAN CURB RAMP
- TEMPORARY PEDESTRIAN SURFACE MATTING
- TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- PEDESTRIAN DETOUR ROUTE
- TEMPORARY AUDIBLE MESSAGE DEVICES
- DIRECTION OF TRAFFIC



PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	TRAFFIC CONTROL: PEDESTRIAN DETOUR STAGE 1 - CTH A TO STH 13	SHEET 625	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\SINGLE LET_ALL IDS\025100_TC_PED-DETOUR_S1.DWG
LAYOUT NAME - 027203_tc

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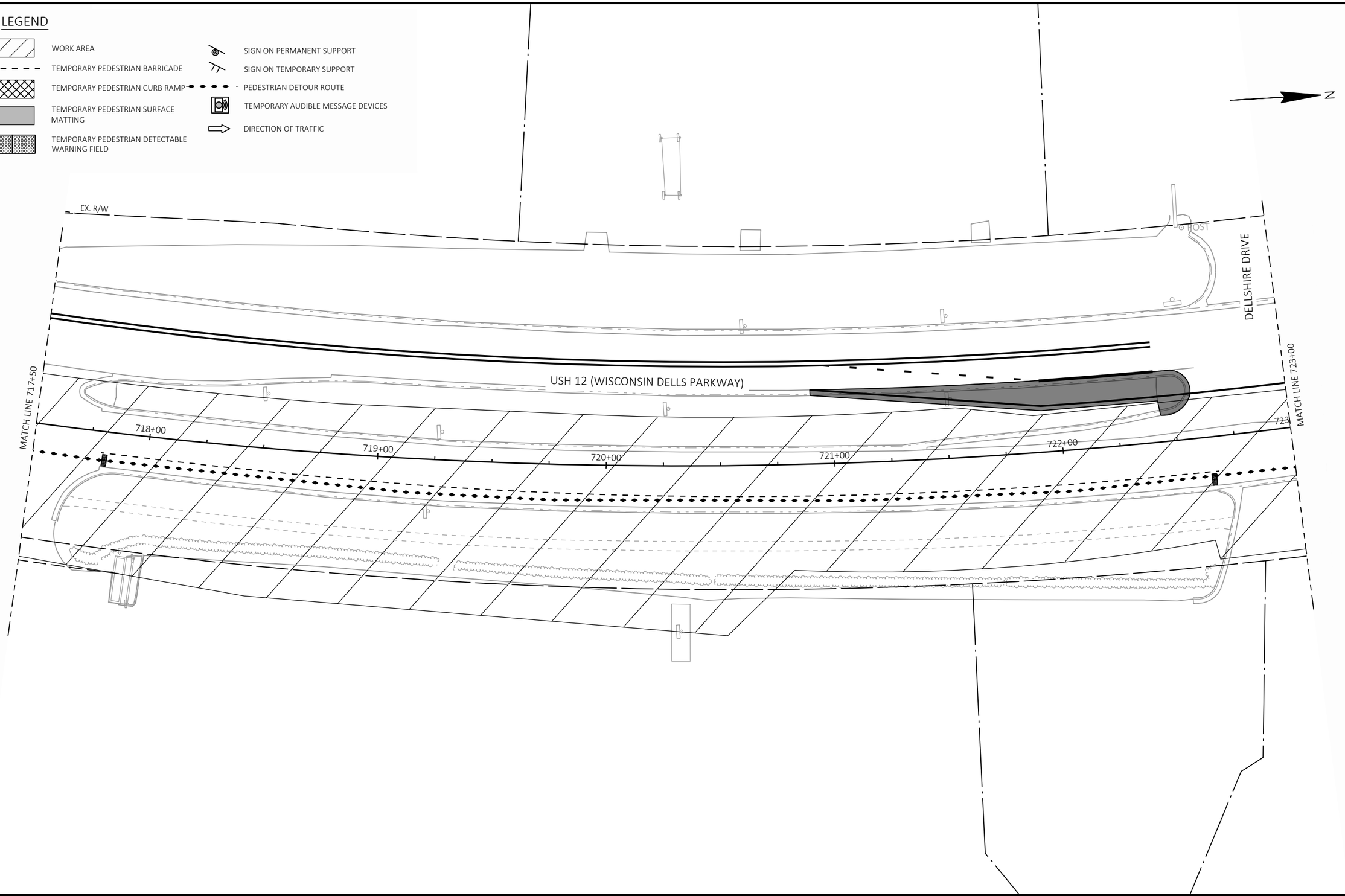
WISDOT/CADDS SHEET 42

2

2

LEGEND

- WORK AREA
- TEMPORARY PEDESTRIAN BARRICADE
- TEMPORARY PEDESTRIAN CURB RAMP
- TEMPORARY PEDESTRIAN SURFACE MATTING
- TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- PEDESTRIAN DETOUR ROUTE
- TEMPORARY AUDIBLE MESSAGE DEVICES
- DIRECTION OF TRAFFIC



PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	TRAFFIC CONTROL: PEDESTRIAN DETOUR STAGE 1 - CTH A TO STH 13	SHEET 626	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\SINGLE LET_ALL IDS\025100_TC_PED-DETOUR_S1.DWG
LAYOUT NAME - 027204_tc

PLOT DATE : 2/4/2026 3:32 PM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:40 FT

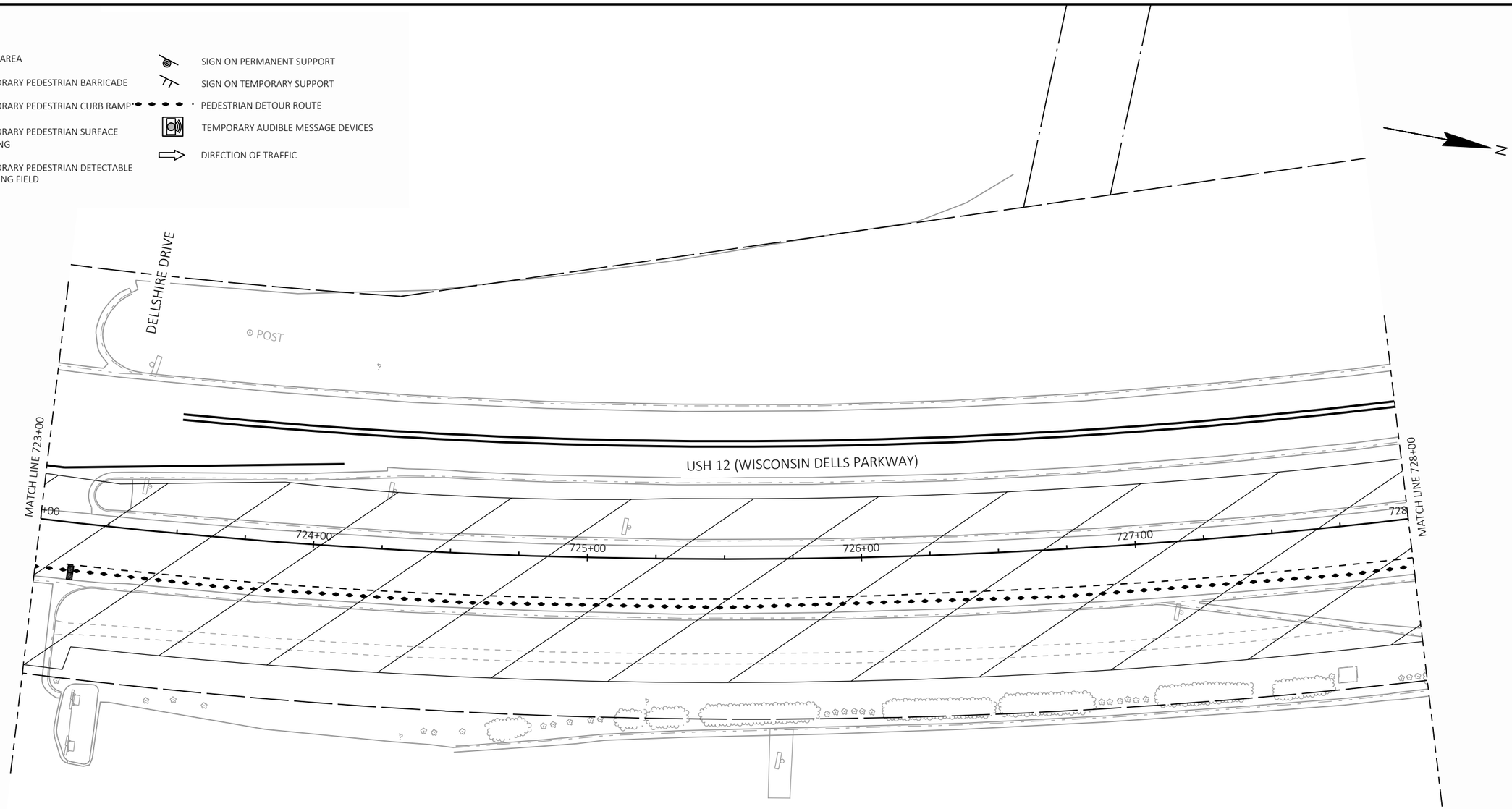
WISDOT/CADDS SHEET 42

2

2

LEGEND

- WORK AREA
- TEMPORARY PEDESTRIAN BARRICADE
- TEMPORARY PEDESTRIAN CURB RAMP
- TEMPORARY PEDESTRIAN SURFACE MATTING
- TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- PEDESTRIAN DETOUR ROUTE
- TEMPORARY AUDIBLE MESSAGE DEVICES
- DIRECTION OF TRAFFIC



PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	TRAFFIC CONTROL: PEDESTRIAN DETOUR STAGE 1 - CTH A TO STH 13	SHEET 627	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\SINGLE LET_ALL IDS\025100_TC_PED-DETOUR_S1.DWG
LAYOUT NAME - 027205_tc

PLOT DATE : 2/4/2026 3:32 PM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:40 FT

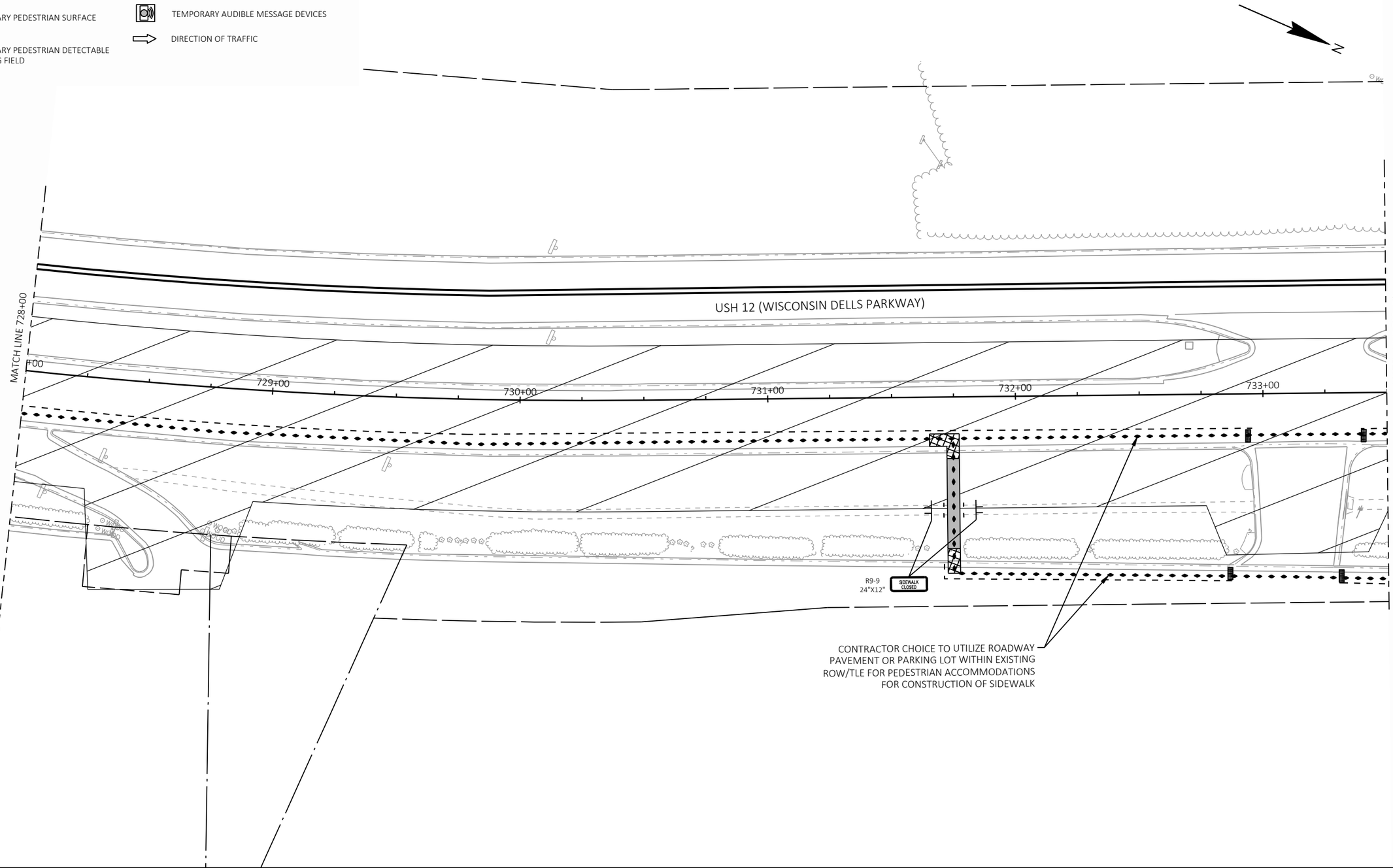
WISDOT/CADDS SHEET 42

2

2

LEGEND

- WORK AREA
- TEMPORARY PEDESTRIAN BARRICADE
- TEMPORARY PEDESTRIAN CURB RAMP
- TEMPORARY PEDESTRIAN SURFACE MATTING
- TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- PEDESTRIAN DETOUR ROUTE
- TEMPORARY AUDIBLE MESSAGE DEVICES
- DIRECTION OF TRAFFIC



PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	TRAFFIC CONTROL: PEDESTRIAN DETOUR STAGE 1 - CTH A TO STH 13	SHEET 628	E

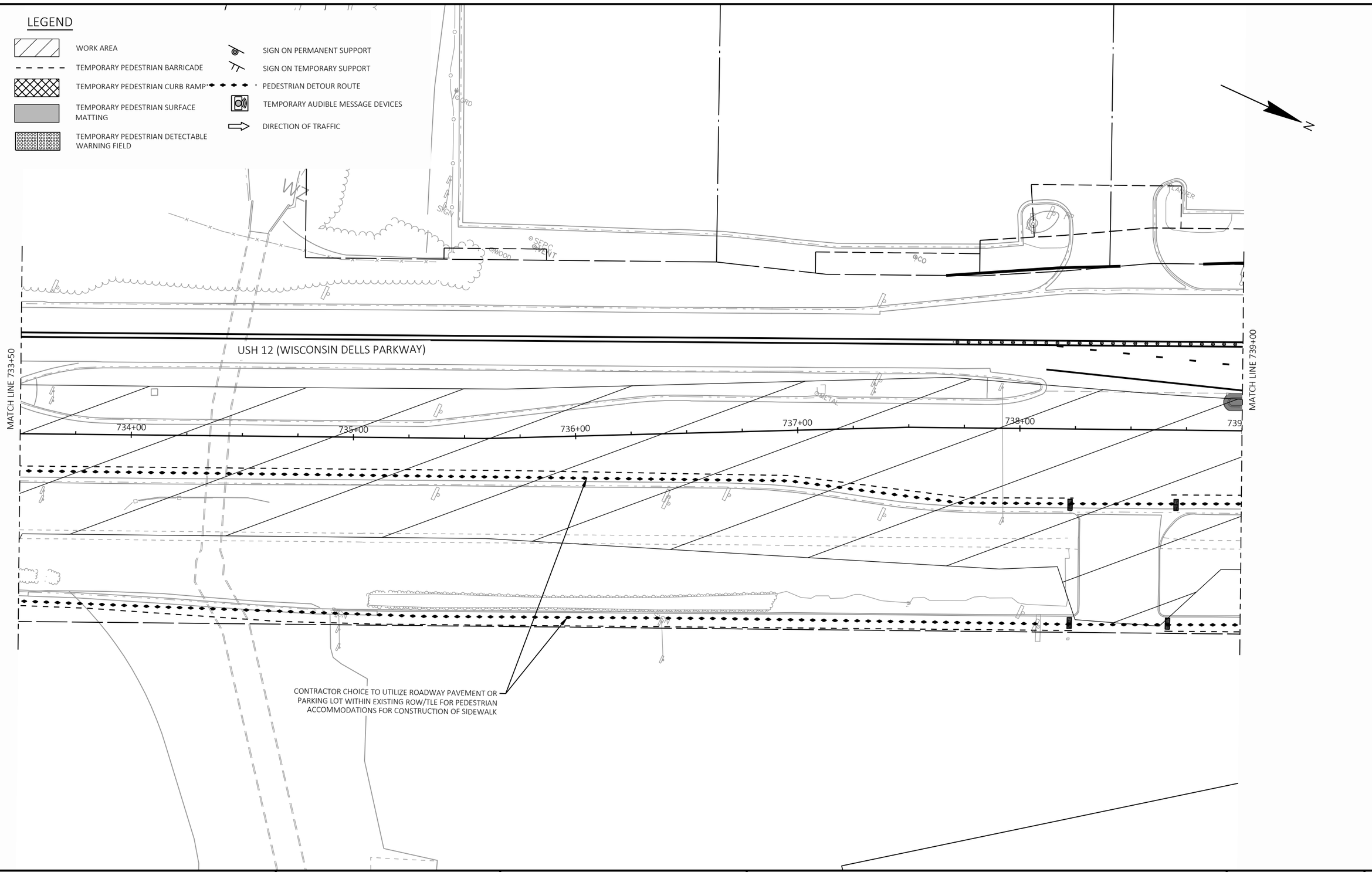
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LAYOUT NAME - 027206_tc
PLOT DATE : 2/4/2026 3:32 PM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

2

LEGEND

- WORK AREA
- TEMPORARY PEDESTRIAN BARRICADE
- TEMPORARY PEDESTRIAN CURB RAMP
- TEMPORARY PEDESTRIAN SURFACE MATTING
- TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- PEDESTRIAN DETOUR ROUTE
- TEMPORARY AUDIBLE MESSAGE DEVICES
- DIRECTION OF TRAFFIC



PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	TRAFFIC CONTROL: PEDESTRIAN DETOUR STAGE 1 - CTH A TO STH 13	SHEET 629	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\SINGLE LET_ALL IDS\025100_TC_PED-DETOUR_S1.DWG
LAYOUT NAME - 027207_tc

PLOT DATE : 2/4/2026 3:32 PM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

2

LEGEND

- WORK AREA
- TEMPORARY PEDESTRIAN BARRICADE
- TEMPORARY PEDESTRIAN CURB RAMP
- TEMPORARY PEDESTRIAN SURFACE MATTING
- TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- PEDESTRIAN DETOUR ROUTE
- TEMPORARY AUDIBLE MESSAGE DEVICES
- DIRECTION OF TRAFFIC

N

EX. R/W

TLE

912+00

712+00

713+00

914+00

714+00

USH 12 (WISCONSIN DELLS PARKWAY)

916+00

716+00

717+00

MATCH LINE 717+50

CTH A

EX. R/W

TLE

M4-9BR
30"X24"
R9-9
24"X12"

DETOUR
SIDEWALK CLOSED

M4-9BL
30"X24"
R9-9
24"X12"

DETOUR
SIDEWALK CLOSED

PLACE TEMPORARY PEDESTRIAN CURB RAMP PERPENDICULAR TO CURB AND TEMPORARY PEDESTRIAN SURFACE MATTING TO CONNECT TO EXISTING SIDEWALK. FOLLOW WISDOT SDD TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATIONS.

PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	TRAFFIC CONTROL: PEDESTRIAN DETOUR STAGE 1 - CTH A OPEN TO TRAFFIC	SHEET 630	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\SINGLE LET_ALL IDS\025100_TC_PED-DETOUR_S1B.DWG
LAYOUT NAME - 027203_tc
PLOT DATE : 2/4/2026 3:32 PM
PLOT BY : CHAPMAN, JULIE
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

2

N

TLE
EX. R/W
712+00
713+00
714+00
715+00
716+00
717+00
USH 12 (WISCONSIN DELLS PARKWAY)
SIDEWALK CLOSED
R9-9
24"X12"
CTH A
EX. R/W
TLE
METAL
FLAG
WELL
VENT
PED
GUARD
G
L
T

LEGEND

- WORK AREA
- TEMPORARY PEDESTRIAN BARRICADE
- TEMPORARY PEDESTRIAN CURB RAMP
- TEMPORARY PEDESTRIAN SURFACE MATTING
- TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- PEDESTRIAN DETOUR ROUTE
- TEMPORARY AUDIBLE MESSAGE DEVICES
- DIRECTION OF TRAFFIC

PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	TRAFFIC CONTROL: PEDESTRIAN DETOUR STAGE 2 - CTH-A	SHEET 631	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\SINGLE LET_ALL IDS\025100_TC_PED-DETOUR_S2.DWG
LAYOUT NAME - 027203_tc

PLOT DATE : 2/4/2026 3:33 PM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2

N

R9-9
24"X12"
SIDEWALK CLOSED

712+00
713+00
714+00
715+00
716+00
717+00

R9-9
24"X12"
SIDEWALK CLOSED

METAL
METAL

LEGEND

- WORK AREA
- TEMPORARY PEDESTRIAN BARRICADE
- TEMPORARY PEDESTRIAN CURB RAMP
- TEMPORARY PEDESTRIAN SURFACE MATTING
- TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- PEDESTRIAN DETOUR ROUTE
- TEMPORARY AUDIBLE MESSAGE DEVICES
- DIRECTION OF TRAFFIC

PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	TRAFFIC CONTROL: PEDESTRIAN DETOUR STAGE 3 - CTH-A	SHEET 632	E

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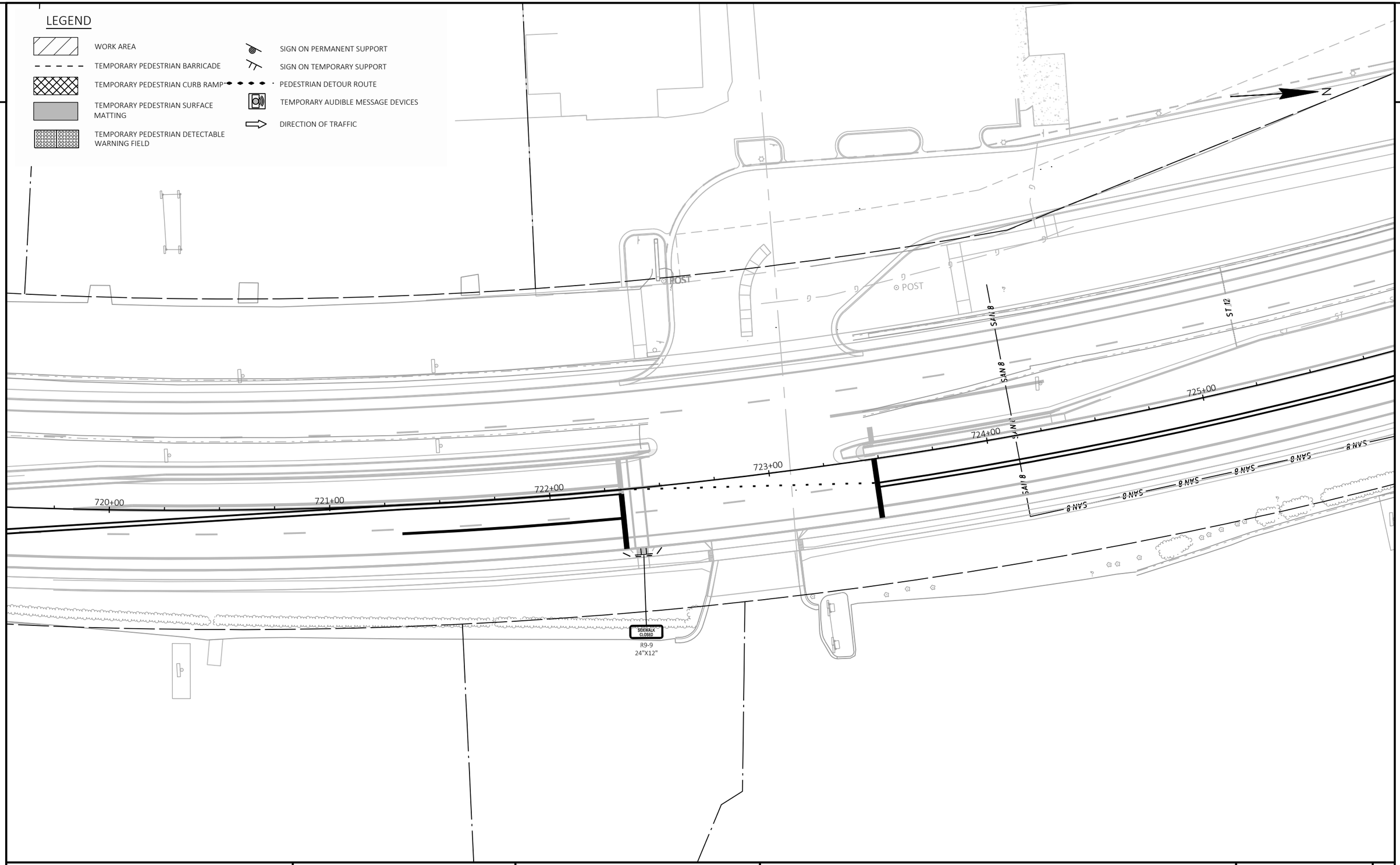
WISDOT/CADDS SHEET 42

2

2

LEGEND

- WORK AREA
- TEMPORARY PEDESTRIAN BARRICADE
- TEMPORARY PEDESTRIAN CURB RAMP
- TEMPORARY PEDESTRIAN SURFACE MATTING
- TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- PEDESTRIAN DETOUR ROUTE
- TEMPORARY AUDIBLE MESSAGE DEVICES
- DIRECTION OF TRAFFIC



PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	TRAFFIC CONTROL: PEDESTRIAN DETOUR STAGE 2 - DELLSHIRE DR	SHEET 633	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\SINGLE LET_ALL IDS\025100_TC_PED-DETOUR_S2.DWG
LAYOUT NAME - 027204_tc

PLOT DATE : 2/4/2026 3:34 PM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

EX. R/W

TLE

PLE

PR. R/W

STH 13

EX.R/W

TLE

PR.R/W

EX.R/W

N

PC: 742+18.44

739+00

740+00

741+00

742+00

743+00

744+00

PT: 744+17.39

USH 12 (WISCONSIN DELLS PARKWAY)

EX. R/W

STH 13

EX. R/W

LEGEND

- WORK AREA
- TEMPORARY PEDESTRIAN BARRICADE
- TEMPORARY PEDESTRIAN CURB RAMP
- TEMPORARY PEDESTRIAN SURFACE MATTING
- TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- PEDESTRIAN DETOUR ROUTE
- TEMPORARY AUDIBLE MESSAGE DEVICES
- DIRECTION OF TRAFFIC

PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	TRAFFIC CONTROL: PEDESTRIAN DETOUR PRE-STAGE - STH-13	SHEET 634	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\SINGLE LET_ALL IDS\025100_TC_PED-DETOUR_S0.DWG
LAYOUT NAME - 027203_tc
PLOT DATE : 2/4/2026 3:34 PM
PLOT BY : CHAPMAN, JULIE
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

2

LEGEND

- WORK AREA
- TEMPORARY PEDESTRIAN BARRICADE
- TEMPORARY PEDESTRIAN CURB RAMP
- TEMPORARY PEDESTRIAN SURFACE MATTING
- TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- PEDESTRIAN DETOUR ROUTE
- TEMPORARY AUDIBLE MESSAGE DEVICES
- DIRECTION OF TRAFFIC

EX. R/W
TLE
PLE
PR. R/W
STH 13
EX.R/W
TLE
PR.R/W
EX.R/W
N
USH 12 (WISCONSIN DELLS PARKWAY)
MATCH LINE 739+00
+00
740+00
741+00
742+00
743+00
744+00
ROAD CLOSED
R11-2
48"X30"
PLACE TEMPORARY PEDESTRIAN CURB RAMP PERPENDICULAR TO CURB AND TEMPORARY PEDESTRIAN SURFACE MATTING TO CONNECT TO EXISTING SIDEWALK. FOLLOW WISDOT SDD TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATIONS.
R9-9
24"X12"
SIDEWALK CLOSED
EX. R/W
CONTRACTOR CHOICE TO UTILIZE ROADWAY PAVEMENT OR PARKING LOT WITHIN EXISTING ROW/TLE FOR PEDESTRIAN ACCOMMODATIONS FOR CONSTRUCTION OF SIDEWALK
M4-9BL
30"X24"
R9-9
24"X12"
DETOUR
SIDEWALK CLOSED
CENTER MEDIAN SHALL BE CONSTRUCTED WHEN NE AND SE QUADRANTS ARE NOT UNDER CONSTRUCTION TO MAXIMIZE AVAILABLE WIDTH FOR STH 13 TRAFFIC
STH 13
EX. R/W
PLACE TEMPORARY PEDESTRIAN CURB RAMP PERPENDICULAR TO CURB AND TEMPORARY PEDESTRIAN SURFACE MATTING TO CONNECT TO EXISTING SIDEWALK. FOLLOW WISDOT SDD TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATIONS.
M4-9BR
30"X24"
R9-9
24"X12"
DETOUR
SIDEWALK CLOSED
EX. R/W

PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	TRAFFIC CONTROL: PEDESTRIAN DETOUR STAGE 1 - CTH A TO STH 13	SHEET 635	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\SINGLE LET_ALL IDS\025100_TC_PED-DETOUR_S1.DWG
LAYOUT NAME - 027208_tc
PLOT DATE : 2/4/2026 3:34 PM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

PLACE TEMPORARY PEDESTRIAN CURB RAMP PERPENDICULAR TO CURB AND TEMPORARY PEDESTRIAN SURFACE PLATE/MATTING TO CONNECT TO EXISTING SIDEWALK. FOLLOW WISDOT SDD TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATIONS.

M4-9BR
30"X24"

R9-9
24"X12"

DETOUR
SIDEWALK CLOSED

R9-9
24"X12"

SIDEWALK CLOSED

EX. R/W

TLE

STH 13

EX.R/W

M4-9BL
30"X24"

R9-9
24"X12"

DETOUR
SIDEWALK CLOSED

PLACE TEMPORARY PEDESTRIAN CURB RAMP PERPENDICULAR TO CURB AND TEMPORARY PEDESTRIAN SURFACE PLATE/MATTING TO CONNECT TO EXISTING SIDEWALK. FOLLOW WISDOT SDD TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATIONS. SOUTHBOUND RIGHT-TURN LANE TO BE CLOSED WHILE NW QUADRANT IS CONSTRUCTED.

TLE

PR. R/W

LANE CLOSED
R11-2L
48"X30"

CONTRACTOR TO CONSTRUCT CENTER MEDIAN CURB RAMPS PRIOR TO CONSTRUCTING SW AND NW QUADRANT CURB RAMPS. PEDESTRIANS TO UTILIZE ALL OTHER CROSSWALKS TO TRAVERSE THROUGH INTERSECTION.

EX.R/W

CAMPER

PLE

PR. R/W

739+00

740+00

741+00

742+00

743+00

744+00

USH 12 (WISCONSIN DELLS PARKWAY)

STH 13

EX. R/W

LEGEND

- WORK AREA
- TEMPORARY PEDESTRIAN BARRICADE
- TEMPORARY PEDESTRIAN CURB RAMP
- TEMPORARY PEDESTRIAN SURFACE MATTING
- TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- PEDESTRIAN DETOUR ROUTE
- TEMPORARY AUDIBLE MESSAGE DEVICES
- DIRECTION OF TRAFFIC

PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	TRAFFIC CONTROL: PEDESTRIAN DETOUR STAGE 2 - STH 13	SHEET 636	E

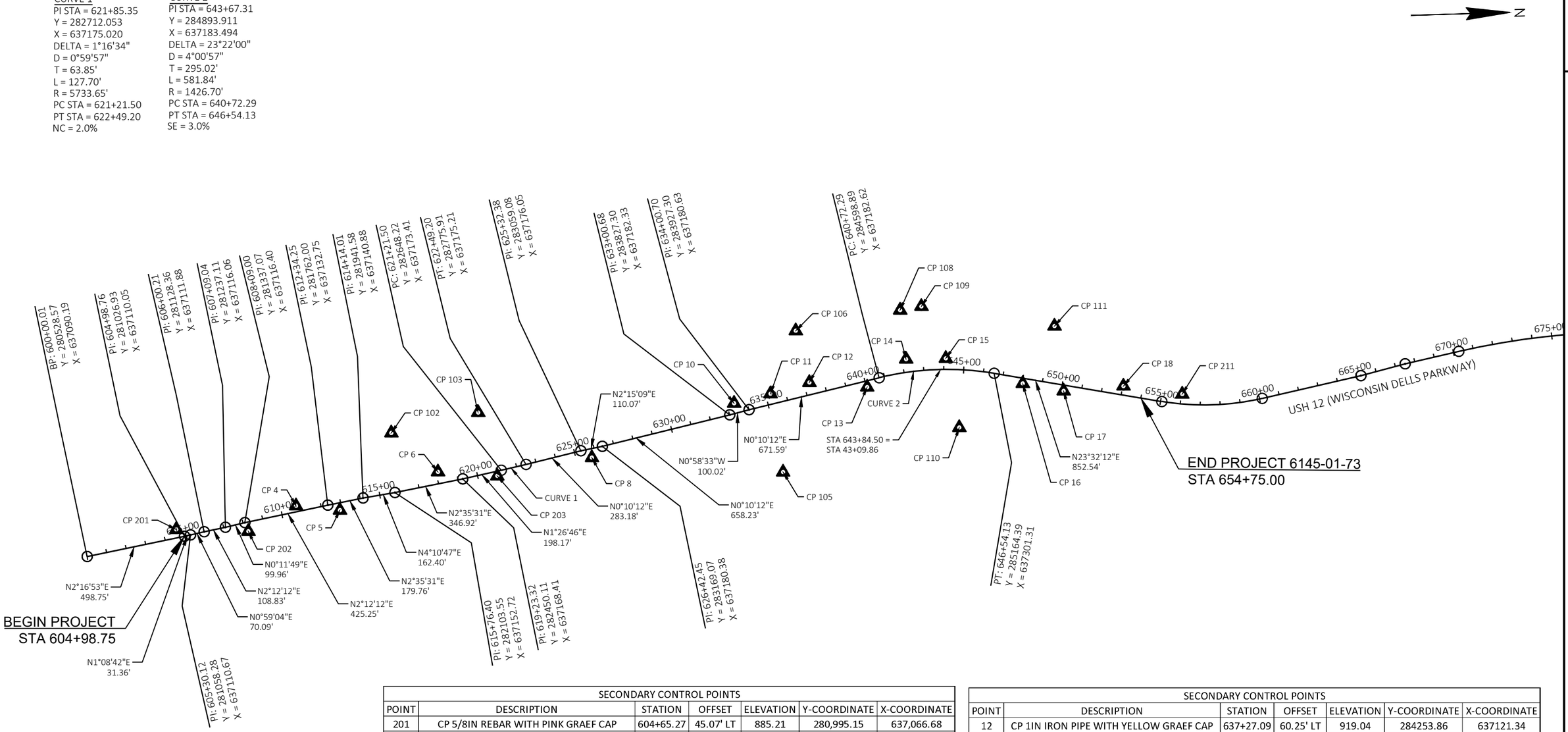
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LAYOUT NAME - 027205_tc

PLOT DATE : 2/4/2026 3:35 PM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

CURVE 1
PI STA = 621+85.35
Y = 282712.053
X = 637175.020
DELTA = 1°16'34"
D = 0°59'57"
T = 63.85'
L = 127.70'
R = 5733.65'
PC STA = 621+21.50
PT STA = 622+49.20
NC = 2.0%

CURVE 2
PI STA = 643+67.31
Y = 284893.911
X = 637183.494
DELTA = 23°22'00"
D = 4°00'57"
T = 295.02'
L = 581.84'
R = 1426.70'
PC STA = 640+72.29
PT STA = 646+54.13
SE = 3.0%



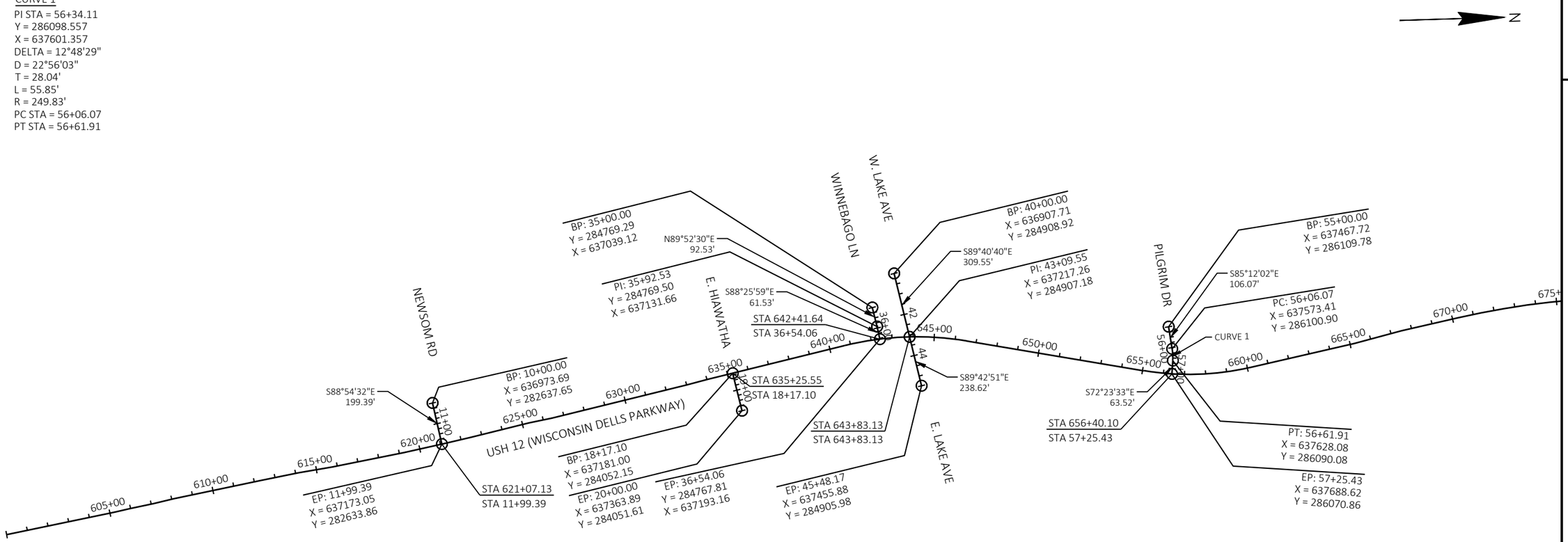
SECONDARY CONTROL POINTS

POINT	DESCRIPTION	STATION	OFFSET	ELEVATION	Y-COORDINATE	X-COORDINATE
201	CP 5/8IN REBAR WITH PINK GRAEF CAP	604+65.27	45.07' LT	885.21	280,995.15	637,066.68
202	CP 5/8IN REBAR WITH PINK GRAEF CAP	608+17.28	46.58' RT	874.47	281,343.55	637,163.27
4	CP CUT CROSS	610+77.39	29.48' LT	866.06	281,606.39	637,097.26
5	CP GEAR SPIKE	612+89.02	36.87' RT	870.02	281,815.05	637,172.06
102	CP 1IN IRON PIPE WITH YELLOW GRAEF CAP	616+18.23	296.27' LT	891.57	282,158.72	636,858.64
6	CP 1IN IRON PIPE WITH YELLOW GRAEF CAP	618+08.89	58.67' LT	889.76	282,338.44	637,104.62
103	CP GEAR SPIKE	620+69.86	307.88' LT	891.89	282,605.92	636,864.79
203	CP CUT CROSS	620+95.63	22.88' RT	890.89	282,621.76	637,196.12
8	CP GEAR SPIKE	625+79.74	44.54' RT	888.53	283,104.65	637,222.42
10	CP GEAR SPIKE	633+36.85	50.70' LT	909.43	283,862.59	637,131.02
105	CP GEAR SPIKE	634+91.59	343.75' RT	903.66	284,017.16	637,524.64
11	CP 1IN IRON PIPE WITH YELLOW GRAEF CAP	635+24.31	52.15' LT	916.86	284,051.06	637,128.84
106	CP 1IN IRON PIPE WITH YELLOW GRAEF CAP	637+22.80	328.51' LT	924.59	284,250.37	636,853.07

SECONDARY CONTROL POINTS

POINT	DESCRIPTION	STATION	OFFSET	ELEVATION	Y-COORDINATE	X-COORDINATE
12	CP 1IN IRON PIPE WITH YELLOW GRAEF CAP	637+27.09	60.25' LT	919.04	284253.86	637121.34
13	CP 1IN IRON PIPE WITH YELLOW GRAEF CAP	640+02.93	31.08' RT	919.05	284,529.43	637,213.49
14	CP GEAR SPIKE	642+19.31	65.98' LT	918.99	284,752.60	637,125.01
108	CP GEAR SPIKE	642+23.07	313.31' LT	920.73	284,783.33	636,879.56
109	CP GEAR SPIKE	643+11.26	320.68' LT	922.14	284,891.07	363,887.26
15	CP 1IN IRON PIPE WITH YELLOW GRAEF CAP	644+10.12	55.32' LT	918.45	284,946.58	637,169.68
110	CP 1IN IRON PIPE WITH YELLOW GRAEF CAP	644+93.47	289.31' RT	907.29	284,928.79	637,522.11
16	CP GEAR SPIKE	648+03.41	26.19' RT	908.95	285,290.78	637,384.93
111	CP 1IN IRON PIPE WITH YELLOW GRAEF CAP	649+13.18	283.66' LT	903.87	285,515.15	637,144.69
17	CP GEAR SPIKE	650+11.94	29.30' RT	899.44	285,480.72	637,471.05
18	CP GEAR SPIKE	653+03.72	44.51' LT	885.71	285,777.70	637,519.90
211	CP 5/8IN REBAR WITH YELLOW CAP	656+04.89	49.96' LT	868.77	286,053.85	637,630.33

CURVE 1
PI STA = 56+34.11
Y = 286098.557
X = 637601.357
DELTA = 12°48'29"
D = 22°56'03"
T = 28.04'
L = 55.85'
R = 249.83'
PC STA = 56+06.07
PT STA = 56+61.91



CURVE 1
PI STA = 657+63.14
Y = 286181.13
X = 637744.17
DELTA = 22°30'00"
D = 4°26'37"
T = 256.47'
L = 506.34'
R = 1289.38'
PC STA = 655+06.67
PT STA = 660+13.01
DB = N23°32'12"E
DA = N01°02'12"E
SE = 3.1%

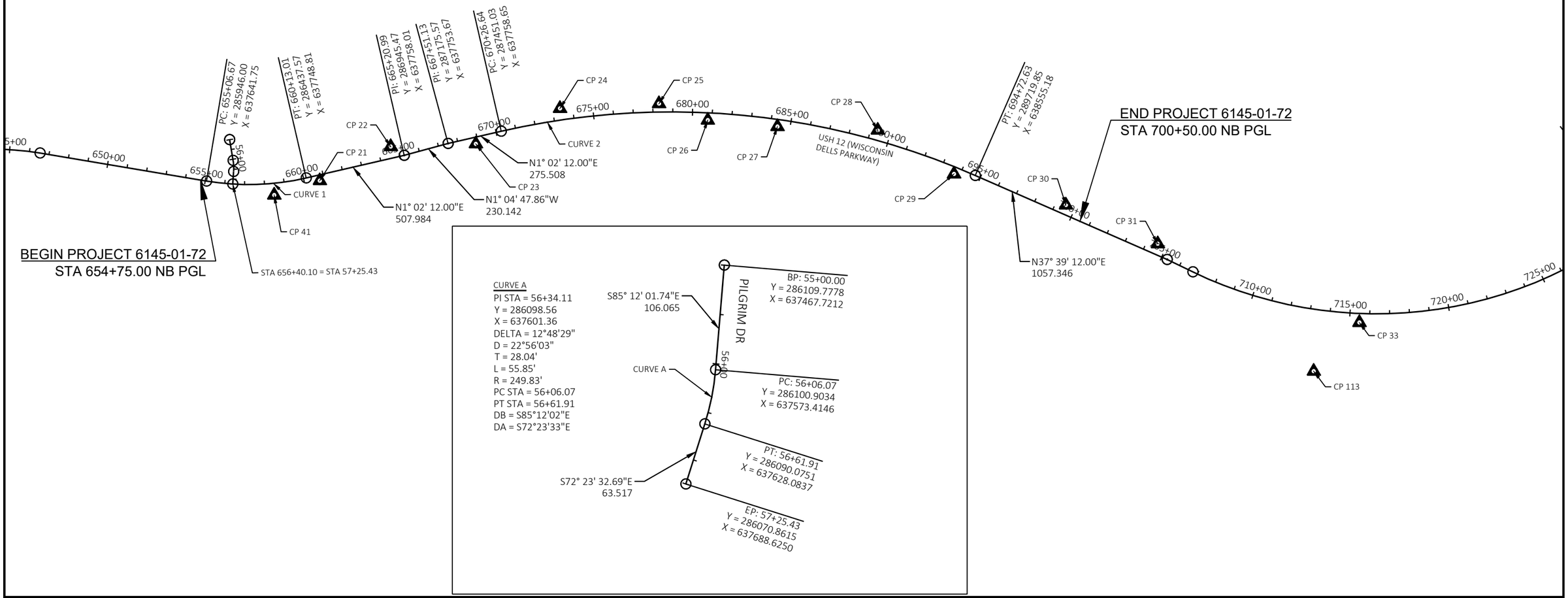
CURVE 2
PI STA = 682+93.04
Y = 288717.22
X = 637781.56
DELTA = 36°37'00"
D = 1°29'49"
T = 1266.39'
L = 2445.99'
R = 3827.36'
PC STA = 670+26.64
PT STA = 694+72.63
DB = N01°02'12"E
DA = N37°39'12"E
SE = 2.0%

CENTRAL SEGMENT

SECONDARY CONTROL POINTS

POINT	DESCRIPTION	STATION	OFFSET	ELEVATION	Y-COORDINATE	X-COORDINATE
41	CP GEAR SPIKE	858+43.68	79.47' RT	858.00	286260.31	637793.56
21	CP 1IN IRON PIPE WITH YELLOW GRAEF CAP	860+74.70	47.70' RT	855.28	286501.25	637778.67
22	CP 1IN IRON PIPE WITH YELLOW GRAEF CAP	864+62.23	39.40' LT	864.47	286890.29	637698.6
23	CP 1IN IRON PIPE WITH YELLOW GRAEF CAP	878+30.88	29.98' LT	869.91	287,310.70	637,789.36
24	CP 1IN IRON PIPE WITH YELLOW GRAEF CAP	873+35.14	46.10' LT	887.36	287,766.36	637,718.98
25	CP 1IN IRON PIPE WITH YELLOW GRAEF CAP	878+30.88	29.98' LT	872.84	288,257.36	637,816.39
26	CP 1IN IRON PIPE WITH YELLOW GRAEF CAP	880+79.27	49.21' RT	865.51	288,476.32	637,956.70
27	CP 1IN IRON PIPE WITH YELLOW GRAEF CAP	884+37.70	48.72' RT	853.36	288,810.01	638,074.08
28	CP 1IN IRON PIPE WITH YELLOW GRAEF CAP	889+37.65	38.05' LT	845.66	289,296.70	638,213.82
29	CP 1IN IRON PIPE WITH YELLOW GRAEF CAP	893+74.69	46.76' RT	845.31	289,617.28	638,521.66
30	CP 1IN IRON PIPE WITH YELLOW GRAEF CAP	899+56.62	34.60' LT	873.84	290,127.53	638,810.89
31	CP 1IN IRON PIPE WITH YELLOW GRAEF CAP	904+59.72	41.40' LT	903.45	290,530.01	639,112.84
113	CP GEAR SPIKE	913+54.71	332.09' RT	907.05	291,138.84	639,927.58
33	CP 1IN IRON PIPE WITH YELLOW GRAEF CAP	915+46.06	67.50' RT	908.93	291,422.32	639,744.92

N



CURVE A
PI STA = 56+34.11
Y = 286098.56
X = 637601.36
DELTA = 12°48'29"
D = 22°56'03"
T = 28.04'
L = 55.85'
R = 249.83'
PC STA = 56+06.07
PT STA = 56+61.91
DB = S85°12'02"E
DA = S72°23'33"E

PROJECT NO: 6145-01-72	HWY: USH 12	COUNTY: SAUK	ALIGNMENT PLAN - USH 12 - NB PGL	SHEET 639	E

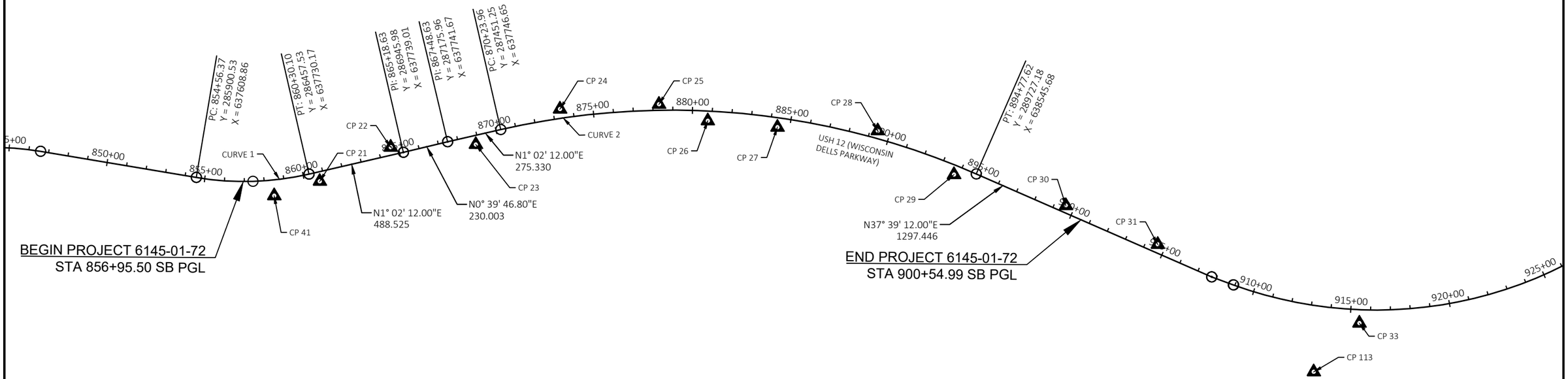
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LAYOUT NAME - 027201_ad
PLOT DATE : 6/18/2025 9:40 AM PLOT BY : BARRETT, WILL PLOT NAME : PLOT SCALE : ##########
WISDOT/CADDS SHEET 44

2

CURVE 1
PI STA = 857+46.98
Y = 286166.97
X = 637724.91
DELTA = 22°30'00"
D = 3°55'18"
T = 290.61'
L = 573.73'
R = 1461.00'
PC STA = 854+56.37
PT STA = 860+30.10
DB = N23°32'12"E
DA = N01°02'12"E
SE = 3.1%

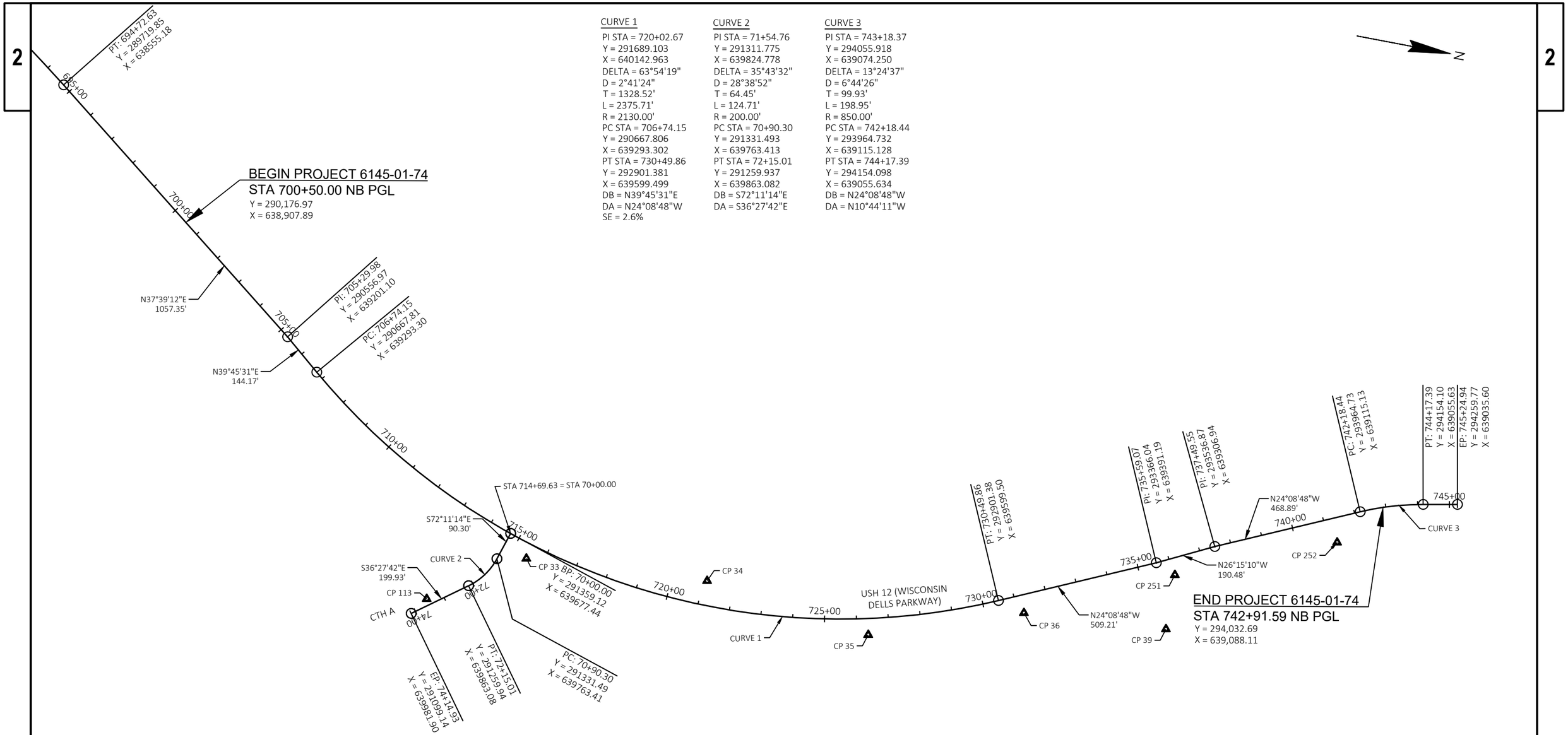
CURVE 2
PI STA = 882+94.32
Y = 288721.41
X = 637769.64
DELTA = 36°37'00"
D = 1°29'32"
T = 1270.36'
L = 2453.66'
R = 3839.36'
PC STA = 870+23.96
PT STA = 894+77.62
DB = N01°02'12"E
DA = N37°39'12"E
SE = 2.0%

N



PROJECT NO: 6145-01-72	HWY: USH 12	COUNTY: SAUK	ALIGNMENT PLAN - USH 12 - SB PGL	SHEET 640	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-72\027201_AD.DWG
LAYOUT NAME - 027202_ad
PLOT DATE : 6/18/2025 9:40 AM PLOT BY : BARRETT, WILL PLOT NAME : PLOT SCALE : ##########



CURVE 1

PI STA = 720+02.67
Y = 291689.103
X = 640142.963
DELTA = 63°54'19"
D = 2°41'24"
T = 1328.52'
L = 2375.71'
R = 2130.00'
PC STA = 706+74.15
Y = 290667.806
X = 639293.302
PT STA = 730+49.86
Y = 292901.381
X = 639599.499
DB = N39°45'31"E
DA = N24°08'48"W
SE = 2.6%

CURVE 2

PI STA = 71+54.76
Y = 291311.775
X = 639824.778
DELTA = 35°43'32"
D = 28°38'52"
T = 64.45'
L = 124.71'
R = 200.00'
PC STA = 70+90.30
Y = 291331.493
X = 639763.413
PT STA = 72+15.01
Y = 291259.937
X = 639863.082
DB = S72°11'14"E
DA = S36°27'42"E

CURVE 3

PI STA = 743+18.37
Y = 294055.918
X = 639074.250
DELTA = 13°24'37"
D = 6°44'26"
T = 99.93'
L = 198.95'
R = 850.00'
PC STA = 742+18.44
Y = 293964.732
X = 639115.128
PT STA = 744+17.39
Y = 294154.098
X = 639055.634
DB = N24°08'48"W
DA = N10°44'11"W

SECONDARY CONTROL POINTS

POINT	DESCRIPTION	STATION	OFFSET	ELEVATION	Y-COORDINATE	X-COORDINATE
113	CP GEAR SPIKE	713+55.94	310.09' RT	907.05	291,138.84	639,927.58
33	CP 1IN IRON PIPE WITH YELLOW GRAEF CAP	715+49.29	45.49' RT	908.93	291,422.32	639,744.92
34	CP 1IN IRON PIPE WITH YELLOW GRAEF CAP	721+13.38	77.12' LT	905.90	291,992.50	639,708.51
35	CP 1IN IRON PIPE WITH YELLOW GRAEF CAP	726+35.21	50.91' RT	888.83	292,520.25	639,781.03
36	CP 1IN IRON PIPE WITH YELLOW GRAEF CAP	731+19.03	56.40' RT	857.57	292,987.42	639,622.73
39	CP 1IN IRON PIPE WITH YELLOW GRAEF CAP	735+40.49	209.47' RT	828.43	293,434.62	639,590.00
251	CP 5/8IN REBAR WITH PINK GRAEF CAP	736+04.73	52.76' RT	832.34	293,430.51	639,417.59
252	CP 5/8IN REBAR WITH PINK GRAEF CAP	741+26.01	76.27' RT	833.54	293,911.40	639,222.62

2

CURVE 4

PI STA = 920+64.55
Y = 291824.105
X = 640058.332
DELTA = 58°05'34"
D = 2°43'05"
T = 1170.71'
L = 2137.31'
R = 2107.99'
PC STA = 908+93.84
Y = 290852.927
X = 639404.593
PT STA = 930+31.15
Y = 292892.379
X = 639579.425
DB = N33°56'46"E
DA = N24°08'48"W
SE = 2.6%

CURVE 5

PI STA = 943+03.07
Y = 294047.467
X = 639047.353
DELTA = 13°24'37"
D = 6°31'33"
T = 103.22'
L = 205.50'
R = 878.00'
PC STA = 941+99.84
Y = 293953.277
X = 639089.578
PT STA = 944+05.34
Y = 294148.882
X = 639028.124
DB = N24°08'48"W
DA = N10°44'11"W

N

PT: 894+77.62
Y = 289727.18
X = 638545.68

895+00

900+00

BEGIN CONSTRUCTION 6145-01-74
STA 900+54.99 SB PGL
Y = 290,184.30
X = 638,898.39

N37°39'12"E
1297.45'

905+00

PI: 907+75.07
Y = 290754.40
X = 639338.27

PC: 908+93.84
Y = 290852.93
X = 639404.59

N33°56'46"E
118.77'

910+00

915+00

CP 33

920+00

CP 34

CURVE 4

CP 113

USH 12 (WISCONSIN DELLS PARKWAY)

925+00

CP 35

930+00

PT: 930+31.15
Y = 292892.38
X = 639579.42

CP 36

N24°08'48"W
508.41'

935+00

PI: 935+39.57
Y = 293356.31
X = 639371.45

CP 251

N26°14'17"W
356.21'

CP 39

940+00

PI: 938+95.77
Y = 293675.81
X = 639213.97

N24°08'48"W
304.07'

CP 252

PC: 941+99.84
Y = 293953.28
X = 639089.58

945+00

PT: 944+05.34
Y = 294148.88
X = 639028.12

EP: 945+12.90
Y = 294254.55
X = 639008.09

CURVE 5

END CONSTRUCTION 6145-01-74
STA 942+75.49 SB PGL
Y = 294,023.47
X = 639,061.67

PROJECT NO: 6145-01-74	HWY: USH 12	COUNTY: SAUK	ALIGNMENT PLAN: USH 12 - SB PGL	SHEET 642	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-74\027201_AD.DWG
LAYOUT NAME - 027202_ad

PLOT DATE : 6/18/2025 9:40 AM PLOT BY : BARRETT, WILL PLOT NAME : PLOT SCALE : 1 IN:300 FT

					6145-01-72	6145-01-73	6145-01-74	6145-01-82	6145-01-83	6145-01-84
Line	**Item**	**Item Description**	**Unit**	**Total**	**Qty**	**Qty**	**Qty**	**Qty**	**Qty**	**Qty**
0002	201.0120	Clearing	ID	110.000		12.000	98.000			
0004	201.0220	Grubbing	ID	86.000		12.000	74.000			
0006	203.0100	Removing Small Pipe Culverts	EACH	1.000	1.000					
0008	204.0100	Removing Concrete Pavement	SY	85,649.000	25,689.000	30,239.000	29,721.000			
0010	204.0115	Removing Asphaltic Surface Butt Joints	SY	179.000		179.000				
0012	204.0120	Removing Asphaltic Surface Milling	SY	3,560.000	1,456.000	2,104.000				
0014	204.0130	Removing Curb	LF	1,294.000	271.000	674.000	349.000			
0016	204.0150	Removing Curb & Gutter	LF	2,562.000	541.000	629.000	1,392.000			
0018	204.0155	Removing Concrete Sidewalk	SY	13,342.000	4,826.000	5,564.000	2,952.000			
0020	204.0170	Removing Fence	LF	166.000	26.000	140.000				
0022	204.0195	Removing Concrete Bases	EACH	53.000	6.000	11.000	36.000			
0024	204.0210	Removing Manholes	EACH	22.000	1.000	10.000	11.000			
0026	204.0220	Removing Inlets	EACH	68.000	14.000	27.000	27.000			
0028	204.0245	Removing Storm Sewer (size) 01. 12-Inch	LF	690.000	42.000	278.000	370.000			
0030	204.0245	Removing Storm Sewer (size) 02. 15-Inch	LF	858.000	221.000	167.000	470.000			
0032	204.0245	Removing Storm Sewer (size) 03. 18-Inch	LF	445.000	141.000	89.000	215.000			
0034	204.0245	Removing Storm Sewer (size) 04. 24-Inch	LF	312.000	117.000	55.000	140.000			
0036	204.0245	Removing Storm Sewer (size) 05. 27-Inch	LF	1,227.000		1,227.000				
0038	204.0245	Removing Storm Sewer (size) 06. 30-Inch	LF	506.000	16.000	479.000	11.000			
0040	204.0245	Removing Storm Sewer (size) 07. 36-Inch	LF	259.000	259.000					
0042	204.0245	Removing Storm Sewer (size) 08. 60-Inch	LF	111.000	18.000	93.000				
0044	204.0245	Removing Storm Sewer (size) 09. 2x6-FT Box Culvert	LF	82.000	82.000					
0046	204.0245	Removing Storm Sewer (size) 10. 24-Inch x 38-Inch	LF	150.000		150.000				
0048	204.0245	Removing Storm Sewer (size) 11. 34-Inch x 53-Inch	LF	24.000			24.000			
0050	204.0246	Removing Ancillary Structure (structure) 01. S-56-8001-02	EACH	1.000		1.000				
0052	204.0246	Removing Ancillary Structure (structure) 02. S-56-8001-06	EACH	1.000		1.000				
0054	204.0246	Removing Ancillary Structure (structure) 03. S-56-8002-02	EACH	1.000	1.000					
0056	204.0246	Removing Ancillary Structure (structure) 04. S-56-8002-06	EACH	1.000	1.000					
0058	204.0246	Removing Ancillary Structure (structure) 05. S-56-8003-02	EACH	1.000	1.000					
0060	204.0246	Removing Ancillary Structure (structure) 06. S-56-5003-06	EACH	1.000	1.000					
0062	204.0246	Removing Ancillary Structure (structure) 07. S-56-7	EACH	1.000			1.000			
0064	204.0280	Sealing Pipes	EACH	2.000	2.000					
0066	204.0291.S	Abandoning Sewer	CY	20.000	11.000		9.000			
0068	204.9060.S	Removing (item description) 01. Traffic Signals (USH 12 & STH 13/16/23)	EACH	11.000			11.000			
0070	204.9060.S	Removing (item description) 02. Lighting System	EACH	1.000			1.000			
0072	204.9060.S	Removing (item description) 03. Traffic Signals (USH 12 & CTH A)	EACH	10.000			10.000			
0074	204.9060.S	Removing (item description) 04. Traffic Signals (USH 12 at Bonanza PHB)	EACH	3.000	3.000					
0076	204.9060.S	Removing (item description) 05. Traffic Signals (USH 12 at Olympus PHB)	EACH	1.000	1.000					
0078	204.9060.S	Removing (item description) 06. Traffic Signals (USH 12 & Lake Ave)	EACH	8.000		8.000				
0080	204.9060.S	Removing (item description) 08. Traffic Signals (USH 12 at Newsom PHB)	EACH	2.000		2.000				
0082	204.9060.S	Removing (item description) 09. Bollard	EACH	15.000	6.000	7.000	2.000			
0084	204.9060.S	Removing (item description) 10. Curb Stops	EACH	9.000	2.000	7.000				
0086	204.9060.S	Removing (item description) 11. Lighting Unit	EACH	11.000	6.000	5.000				
0088	204.9060.S	Removing (item description) 12. Drainage Chamber	EACH	2.000	2.000					
0090	204.9060.S	Removing (item description) 13. Trash Recepticle	EACH	1.000	1.000					
0092	204.9060.S	Removing (item description) 14. Bench	EACH	2.000	2.000					
0094	204.9090.S	Removing (item description) 02. Existing Boulder Wall	LF	913.000	913.000					
0096	204.9090.S	Removing (item description) 03. Retaining Wall and Railing	LF	4.000	4.000					
0098	204.9090.S	Removing (item description) 04. Existing Block Retaining Wall	LF	814.000	129.000	685.000				

					6145-01-72	6145-01-73	6145-01-74	6145-01-82	6145-01-83	6145-01-84
Line	**Item**	**Item Description**	**Unit**	**Total**	**Qty**	**Qty**	**Qty**	**Qty**	**Qty**	**Qty**
0100	204.9090.S	Removing (item description) 05. Existing Timber Retaining Wall	LF	22.000		22.000				
0102	204.9090.S	Removing (item description) 06. Existing Tie Wall	LF	146.000	52.000	94.000				
0104	204.9090.S	Removing (item description) 07. Railing	LF	600.000		600.000				
0106	204.9090.S	Removing (item description) 08. Decorative Fence and Concrete Pillars	LF	109.000	109.000					
0108	204.9165.S	Removing (item description) 01. Elevated Concrete Patio and Railing	SF	592.000	592.000					
0110	204.9165.S	Removing (item description) 02. Pavers	SF	1,173.000		1,173.000				
0112	205.0100	Excavation Common	CY	78,557.000	27,527.000	25,010.000	26,020.000			
0114	205.0200	Excavation Rock	CY	263.000		263.000				
0118	213.0100	Finishing Roadway (project) 02. 6145-01-72	EACH	1.000	1.000					
0120	213.0100	Finishing Roadway (project) 03. 6145-01-73	EACH	1.000		1.000				
0122	213.0100	Finishing Roadway (project) 04. 6145-01-74	EACH	1.000			1.000			
0124	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	50,930.000	16,770.000	17,925.000	16,235.000			
0126	311.0110	Breaker Run	TON	873.000	273.000	313.000	287.000			
0128	405.0100	Coloring Concrete WisDOT Red	CY	14.000		14.000				
0130	405.0200	Coloring Concrete Custom	CY	1,580.000	782.000	452.000	346.000			
0134	415.0210	Concrete Pavement Gaps	EACH	47.000	13.000	23.000	11.000			
0136	415.4100	Concrete Pavement Joint Filling	SY	96,780.000	30,762.000	34,083.000	31,935.000			
0138	416.0610	Drilled Tie Bars	EACH	731.000	12.000	68.000	651.000			
0140	416.0620	Drilled Dowel Bars	EACH	131.000		37.000	94.000			
0142	450.4000	HMA Cold Weather Paving	TON	618.000	124.000	263.000	231.000			
0144	455.0605	Tack Coat	GAL	351.000	116.000	135.000	100.000			
0146	460.2000	Incentive Density HMA Pavement	DOL	550.000	90.000	230.000	230.000			
0148	460.6223	HMA Pavement 3 MT 58-28 S	TON	492.000	78.000	198.000	216.000			
0150	460.6224	HMA Pavement 4 MT 58-28 S	TON	383.000	61.000	154.000	168.000			
0152	465.0105	Asphaltic Surface	TON	21.000		21.000				
0154	465.0120	Asphaltic Surface Driveways and Field Entrances	TON	1,538.000	575.000	687.000	276.000			
0156	465.0125	Asphaltic Surface Temporary	TON	3,240.000	1,835.000	1,002.000	403.000			
0158	465.0310	Asphaltic Curb	LF	469.000	363.000	106.000				
0160	502.3200	Protective Surface Treatment	SY	1,368.000	768.000	600.000				
0162	502.3210	Pigmented Surface Sealer	SY	816.000	438.000	312.000	66.000			
0164	504.0500	Concrete Masonry Retaining Walls	CY	743.000	683.000	60.000				
0166	505.0600	Bar Steel Reinforcement HS Coated Structures	LB	91,990.000	77,330.000	11,851.000	2,809.000			
0168	509.1500	Concrete Surface Repair	SF	15.000			15.000			
0170	513.2001	Railing Pipe	LF	53.000	35.000	18.000				
0172	513.7016	Railing Steel Type C3	LF	1,632.000	873.000	626.000	133.000			
0174	513.8016	Railing Steel Pedestrian Type C3	LF	2,399.000	1,413.000	853.000	133.000			
0176	516.0500	Rubberized Membrane Waterproofing	SY	57.000	57.000					
0178	517.1010.S	Concrete Staining (structure) 01. R-56-0043	SF	1,128.000	1,128.000					
0180	517.1050.S	Architectural Surface Treatment (structure) 01. R-56-0045	SF	2,378.000	2,378.000					
0182	517.1050.S	Architectural Surface Treatment (structure) 02. R-56-0047	SF	1,117.000	1,117.000					
0184	520.8000	Concrete Collars for Pipe	EACH	29.000	4.000	6.000	19.000			
0186	522.2619	Apron Endwalls for Culvert Pipe Reinforced Concrete Horizontal Elliptical 19x30-Inch	EACH	1.000	1.000					
0188	531.2036	Drilling Shaft 36-Inch	LF	40.000			40.000			
0190	531.5420	Foundation Single-Shaft Type TF-II (structure) 01. S-56-0031	EACH	2.000			2.000			
0192	532.5420	Truss Full Span 2-Chord Type II (structure) 01. S-56-0031	EACH	1.000			1.000			
0194	601.0110	Concrete Curb Type D	LF	1,571.000	873.000	451.000	247.000			
0196	601.0405	Concrete Curb & Gutter 18-Inch Type A	LF	18,950.000	10,048.000	7,002.000	1,900.000			
0198	601.0407	Concrete Curb & Gutter 18-Inch Type D	LF	1,583.000	175.000	836.000	572.000			
0200	601.0409	Concrete Curb & Gutter 30-Inch Type A	LF	12,580.000	800.000	3,326.000	8,454.000			

					6145-01-72	6145-01-73	6145-01-74	6145-01-82	6145-01-83	6145-01-84
Line	**Item**	**Item Description**	**Unit**	**Total**	**Qty**	**Qty**	**Qty**	**Qty**	**Qty**	**Qty**
0202	601.0411	Concrete Curb & Gutter 30-Inch Type D	LF	1,427.000	256.000	569.000	602.000			
0204	601.0413	Concrete Curb & Gutter 6-Inch Sloped 30-Inch Type G	LF	36.000		36.000				
0206	601.0555	Concrete Curb & Gutter 6-Inch Sloped 36-Inch Type A	LF	107.000		107.000				
0208	601.0581	Concrete Curb & Gutter 4-Inch Sloped 30-Inch Type R	LF	149.000		149.000				
0210	601.0600	Concrete Curb Pedestrian	LF	523.000	134.000	129.000	260.000			
0212	602.0410	Concrete Sidewalk 5-Inch	SF	166,042.000	51,946.000	67,690.000	46,406.000			
0214	602.0415	Concrete Sidewalk 6-Inch	SF	73,452.000	50,200.000	4,320.000	18,932.000			
0216	602.0505	Curb Ramp Detectable Warning Field Yellow	SF	484.000	210.000	274.000				
0218	602.0515	Curb Ramp Detectable Warning Field Natural Patina	SF	260.000			260.000			
0220	602.0605	Curb Ramp Detectable Warning Field Radial Yellow	SF	221.000	73.000	148.000				
0222	602.0615	Curb Ramp Detectable Warning Field Radial Natural Patina	SF	83.000			83.000			
0224	602.0815	Concrete Driveway 7-Inch	SY	2,246.000	820.000	851.000	575.000			
0226	602.1500	Concrete Steps	SF	40.000	40.000					
0228	608.0005	Storm Sewer Rock Excavation	CY	768.700	198.100	514.600	56.000			
0230	608.0312	Storm Sewer Pipe Reinforced Concrete Class III 12-Inch	LF	4,222.000	1,407.000	1,644.000	1,171.000			
0232	608.0315	Storm Sewer Pipe Reinforced Concrete Class III 15-Inch	LF	1,247.000	434.000	589.000	224.000			
0234	608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	LF	1,412.000	770.000	357.000	285.000			
0236	608.0321	Storm Sewer Pipe Reinforced Concrete Class III 21-Inch	LF	44.000		44.000				
0238	608.0324	Storm Sewer Pipe Reinforced Concrete Class III 24-Inch	LF	4,433.000	1,865.000	1,843.000	725.000			
0240	608.0327	Storm Sewer Pipe Reinforced Concrete Class III 27-Inch	LF	403.000	250.000	153.000				
0242	608.0330	Storm Sewer Pipe Reinforced Concrete Class III 30-Inch	LF	1,427.000	508.000	913.000	6.000			
0244	608.0336	Storm Sewer Pipe Reinforced Concrete Class III 36-Inch	LF	1,209.000	369.000	840.000				
0246	608.0342	Storm Sewer Pipe Reinforced Concrete Class III 42-Inch	LF	14.000	14.000					
0248	608.0354	Storm Sewer Pipe Reinforced Concrete Class III 54-Inch	LF	434.000	434.000					
0250	608.0360	Storm Sewer Pipe Reinforced Concrete Class III 60-Inch	LF	15.000	15.000					
0252	608.0418	Storm Sewer Pipe Reinforced Concrete Class IV 18-Inch	LF	66.000		66.000				
0254	608.0430	Storm Sewer Pipe Reinforced Concrete Class IV 30-Inch	LF	43.000		43.000				
0256	608.2319	Storm Sewer Pipe Reinforced Concrete Horizontal Elliptical Class HE-III 19x30-Inch	LF	13.000	13.000					
0258	608.2324	Storm Sewer Pipe Reinforced Concrete Horizontal Elliptical Class HE-III 24x38-Inch	LF	60.000	60.000					
0260	608.2329	Storm Sewer Pipe Reinforced Concrete Horizontal Elliptical Class HE-III 29x45-Inch	LF	8.000	8.000					
0262	608.2334	Storm Sewer Pipe Reinforced Concrete Horizontal Elliptical Class HE-III 34x53-Inch	LF	24.000			24.000			
0264	608.2424	Storm Sewer Pipe Reinforced Concrete Horizontal Elliptical Class HE-IV 24x38-Inch	LF	139.000		139.000				
0266	608.3024	Storm Sewer Pipe Class III-A 24-Inch	LF	24.000		24.000				
0268	611.0420	Reconstructing Manholes	EACH	2.000	2.000					
0270	611.0530	Manhole Covers Type J	EACH	70.000	32.000	26.000	12.000			
0272	611.0600	Inlet Covers Type A	EACH	1.000			1.000			
0274	611.0624	Inlet Covers Type H	EACH	90.000	11.000	29.000	50.000			
0276	611.0639	Inlet Covers Type H-S	EACH	21.000	5.000	10.000	6.000			
0278	611.0642	Inlet Covers Type MS	EACH	4.000	3.000		1.000			
0280	611.0645	Inlet Covers Type MS-A	EACH	2.000	2.000					
0282	611.0648	Inlet Covers Type R	EACH	2.000		2.000				
0284	611.0651	Inlet Covers Type S	EACH	1.000	1.000					
0286	611.0652	Inlet Covers Type T	EACH	1.000		1.000				
0288	611.0666	Inlet Covers Type Z	EACH	51.000	29.000	17.000	5.000			
0290	611.2004	Manholes 4-FT Diameter	EACH	14.000	8.000	4.000	2.000			
0292	611.2005	Manholes 5-FT Diameter	EACH	43.000	15.000	23.000	5.000			
0294	611.2006	Manholes 6-FT Diameter	EACH	10.000	3.000	3.000	4.000			
0296	611.2007	Manholes 7-FT Diameter	EACH	1.000			1.000			
0298	611.2008	Manholes 8-FT Diameter	EACH	1.000			1.000			

					6145-01-72	6145-01-73	6145-01-74	6145-01-82	6145-01-83	6145-01-84
Line	**Item**	**Item Description**	**Unit**	**Total**	**Qty**	**Qty**	**Qty**	**Qty**	**Qty**	**Qty**
0300	611.2055	Manholes 5x5-FT	EACH	2.000	2.000					
0302	611.2066	Manholes 6x6-FT	EACH	1.000	1.000					
0304	611.3003	Inlets 3-FT Diameter	EACH	41.000	21.000	14.000	6.000			
0306	611.3004	Inlets 4-FT Diameter	EACH	24.000	10.000	10.000	4.000			
0308	611.3220	Inlets 2x2-FT	EACH	3.000	1.000	2.000				
0310	611.3225	Inlets 2x2.5-FT	EACH	1.000		1.000				
0312	611.3230	Inlets 2x3-FT	EACH	89.000	13.000	28.000	48.000			
0314	611.3901	Inlets Median 1 Grate	EACH	6.000	5.000		1.000			
0316	611.8110	Adjusting Manhole Covers	EACH	3.000	1.000	2.000				
0318	611.8115	Adjusting Inlet Covers	EACH	10.000		4.000	6.000			
0320	612.0204	Pipe Underdrain Unperforated 4-Inch	LF	34.000		34.000				
0322	612.0206	Pipe Underdrain Unperforated 6-Inch	LF	280.000	245.000	21.000	14.000			
0324	612.0212	Pipe Underdrain Unperforated 12-Inch	LF	95.000		92.000	3.000			
0326	612.0218	Pipe Underdrain Unperforated 18-Inch	LF	16.000		16.000				
0328	612.0406	Pipe Underdrain Wrapped 6-Inch	LF	3,617.000	2,374.000	1,110.000	133.000			
0330	616.0204	Fence Chain Link 4-FT	LF	164.000		164.000				
0332	616.0700.S	Fence Safety	LF	13,793.000	4,575.000	4,976.000	4,242.000			
0336	618.0100	Maintenance and Repair of Haul Roads (project) 02. 6145-01-72	EACH	1.000	1.000					
0338	618.0100	Maintenance and Repair of Haul Roads (project) 03. 6145-01-73	EACH	1.000		1.000				
0340	618.0100	Maintenance and Repair of Haul Roads (project) 04. 6145-01-74	EACH	1.000			1.000			
0342	619.1000	Mobilization	EACH	0.995	0.390	0.340	0.235	0.010	0.010	0.010
0344	620.0100	Concrete Corrugated Median	SF	40.000			40.000			
0346	620.0300	Concrete Median Sloped Nose	SF	992.000	361.000	165.000	466.000			
0348	624.0100	Water	MGAL	42.000	13.000	16.000	13.000			
0350	625.0100	Topsoil	SY	32,295.000	10,619.000	4,859.000	16,817.000			
0352	628.1504	Silt Fence	LF	3,046.000	1,771.000	836.000	439.000			
0354	628.1520	Silt Fence Maintenance	LF	3,046.000	1,771.000	836.000	439.000			
0356	628.1905	Mobilizations Erosion Control	EACH	15.000	5.000	5.000	5.000			
0358	628.1910	Mobilizations Emergency Erosion Control	EACH	30.000	10.000	10.000	10.000			
0360	628.2006	Erosion Mat Urban Class I Type A	SY	8,074.000	2,655.000	1,215.000	4,204.000			
0362	628.7005	Inlet Protection Type A	EACH	245.000	89.000	86.000	70.000			
0364	628.7010	Inlet Protection Type B	EACH	22.000	13.000	2.000	7.000			
0366	628.7015	Inlet Protection Type C	EACH	250.000	75.000	89.000	86.000			
0368	628.7020	Inlet Protection Type D	EACH	60.000	31.000	24.000	5.000			
0370	628.7504	Temporary Ditch Checks	LF	20.000	20.000					
0372	628.7555	Culvert Pipe Checks	EACH	1.000	1.000					
0374	628.7560	Tracking Pads	EACH	7.000	2.000	2.000	3.000			
0376	629.0210	Fertilizer Type B	CWT	20.350	6.690	3.060	10.600			
0378	630.0140	Seeding Mixture No. 40	LB	581.370	191.140	87.470	302.760			
0380	630.0200	Seeding Temporary	LB	219.000	72.000	33.000	114.000			
0382	630.0500	Seed Water	MGAL	363.000	119.000	55.000	189.000			
0384	631.0300	Sod Water	MGAL	363.000	119.000	55.000	189.000			
0386	631.1000	Sod Lawn	SY	32,295.000	10,619.000	4,859.000	16,817.000			
0392	634.0618	Posts Wood 4x6-Inch X 18-FT	EACH	144.000	36.000	42.000	66.000			
0394	634.0812	Posts Tubular Steel 2x2-Inch X 12-FT	EACH	8.000		8.000				
0396	634.0814	Posts Tubular Steel 2x2-Inch X 14-FT	EACH	2.000	2.000					
0398	637.2210	Signs Type II Reflective H	SF	1,630.120	381.120	423.500	825.500			
0400	637.2220	Signs Type II Reflective SH	SF	274.500			274.500			
0402	637.2230	Signs Type II Reflective F	SF	98.330	32.330	66.000				

					6145-01-72	6145-01-73	6145-01-74	6145-01-82	6145-01-83	6145-01-84
Line	**Item**	**Item Description**	**Unit**	**Total**	**Qty**	**Qty**	**Qty**	**Qty**	**Qty**	**Qty**
0404	638.2102	Moving Signs Type II	EACH	9.000		1.000	8.000			
0406	638.2602	Removing Signs Type II	EACH	188.000	38.000	65.000	85.000			
0408	638.3000	Removing Small Sign Supports	EACH	111.000	19.000	32.000	60.000			
0410	642.5401	Field Office Type D	EACH	0.995	0.390	0.340	0.235	0.010	0.010	0.010
0412	643.0300	Traffic Control Drums	DAY	520,058.000	177,571.000	139,420.000	203,067.000			
0414	643.0420	Traffic Control Barricades Type III	DAY	43,913.000	13,025.000	9,933.000	20,955.000			
0416	643.0500	Traffic Control Flexible Tubular Marker Posts	EACH	226.000	116.000	62.000	48.000			
0418	643.0600	Traffic Control Flexible Tubular Marker Bases	EACH	226.000	116.000	62.000	48.000			
0420	643.0650	Traffic Control Channelizing Curb System	LF	3,360.000	2,902.000		458.000			
0422	643.0705	Traffic Control Warning Lights Type A	DAY	87,826.000	26,050.000	19,866.000	41,910.000			
0424	643.0715	Traffic Control Warning Lights Type C	DAY	10,300.000	1,917.000	3,691.000	4,692.000			
0426	643.0810	Traffic Control Connected Arrow Boards	DAY	2,158.000	213.000	289.000	1,656.000			
0428	643.0900	Traffic Control Signs	DAY	157,316.000	46,434.000	50,536.000	60,346.000			
0430	643.1050	Traffic Control Signs PCMS	DAY	112.000	35.000	42.000	35.000			
0434	643.1220	Traffic Control Connected Work Zone Start and End Location Markers	DAY	5,516.000	489.000	220.000	4,807.000			
0436	643.3165	Temporary Marking Line Paint 6-Inch	LF	40,020.000	10,141.000	20,288.000	9,591.000			
0438	643.3180	Temporary Marking Line Removable Tape 6-Inch	LF	46,484.000	21,082.000	14,654.000	10,748.000			
0440	643.3265	Temporary Marking Line Paint 10-Inch	LF	398.000		150.000	248.000			
0442	643.3280	Temporary Marking Line Removable Tape 10-Inch	LF	1,936.000	134.000	152.000	1,650.000			
0444	643.3350	Temporary Marking Crosswalk Removable Tape 6-Inch	LF	1,185.000	54.000	179.000	952.000			
0446	643.3805	Temporary Marking Stop Line Paint 18-Inch	LF	76.000			76.000			
0448	643.3850	Temporary Marking Stop Line Removable Tape 18-Inch	LF	131.000	21.000	22.000	88.000			
0450	643.3990	Temporary Marking Removable Mask Out Tape 12-Inch	LF	84.000		84.000				
0452	643.5000	Traffic Control	EACH	0.995	0.390	0.340	0.235	0.010	0.010	0.010
0454	644.1410	Temporary Pedestrian Surface Asphalt	SF	1,421.000	271.000	173.000	977.000			
0456	644.1440	Temporary Pedestrian Surface Matting	SF	1,421.000	271.000	173.000	977.000			
0458	644.1601	Temporary Pedestrian Curb Ramp	DAY	560.000	112.000	224.000	224.000			
0460	644.1605	Temporary Pedestrian Detectable Warning Field	SF	425.000	70.000	125.000	230.000			
0462	644.1810	Temporary Pedestrian Barricade	LF	7,408.000	697.000	1,471.000	5,240.000			
0464	644.1900.S	Temporary Audible Message Devices	DAY	224.000		196.000	28.000			
0466	646.1020	Marking Line Epoxy 4-Inch	LF	2,296.000	1,024.000	1,272.000				
0470	646.2025	Marking Line Grooved Black Epoxy 6-Inch	LF	6,485.000	2,203.000	2,377.000	1,905.000			
0472	646.2040	Marking Line Grooved Wet Ref Epoxy 6-Inch	LF	63,575.000	21,569.000	23,745.000	18,261.000			
0474	646.3020	Marking Line Epoxy 8-Inch	LF	259.000	16.000	243.000				
0478	646.4040	Marking Line Grooved Wet Ref Epoxy 10-Inch	LF	4,500.000	559.000	743.000	3,198.000			
0480	646.5020	Marking Arrow Epoxy	EACH	73.000	24.000	24.000	25.000			
0482	646.5120	Marking Word Epoxy	EACH	9.000	1.000	3.000	5.000			
0484	646.5220	Marking Symbol Epoxy	EACH	2.000	2.000					
0486	646.6120	Marking Stop Line Epoxy 18-Inch	LF	850.000	176.000	335.000	339.000			
0488	646.6466	Cold Weather Marking Epoxy 6-Inch	LF	53,477.000	17,991.000	17,395.000	18,091.000			
0490	646.6470	Cold Weather Marking Epoxy 10-Inch	LF	2,547.000	559.000	596.000	1,392.000			
0492	646.7120	Marking Diagonal Epoxy 12-Inch	LF	464.000	116.000	186.000	162.000			
0494	646.7420	Marking Crosswalk Epoxy Transverse Line 6-Inch	LF	3,447.000	601.000	1,354.000	1,492.000			
0496	646.8120	Marking Curb Epoxy	LF	270.000	100.000	40.000	130.000			
0498	646.8220	Marking Island Nose Epoxy	EACH	31.000	10.000	7.000	14.000			
0500	646.9000	Marking Removal Line 4-Inch	LF	1,463.000		518.000	945.000			
0502	646.9100	Marking Removal Line 8-Inch	LF	50.000			50.000			
0504	646.9200	Marking Removal Line Wide	LF	75.000			75.000			
0506	646.9300	Marking Removal Special Marking	EACH	4.000			4.000			

					6145-01-72	6145-01-73	6145-01-74	6145-01-82	6145-01-83	6145-01-84
Line	**Item**	**Item Description**	**Unit**	**Total**	**Qty**	**Qty**	**Qty**	**Qty**	**Qty**	**Qty**
0508	650.4000	Construction Staking Storm Sewer	EACH	307.000	118.000	114.000	75.000			
0510	650.4500	Construction Staking Subgrade	LF	13,794.000	4,575.000	4,977.000	4,242.000			
0512	650.5500	Construction Staking Curb Gutter and Curb & Gutter	LF	4,149.000	826.000	1,637.000	1,686.000			
0514	650.6501	Construction Staking Structure Layout (structure) 01. L01 - STA. 617+06	EACH	1.000		1.000				
0516	650.6501	Construction Staking Structure Layout (structure) 02. L02 - STA. 618+16	EACH	1.000		1.000				
0518	650.6501	Construction Staking Structure Layout (structure) 03. L03 - STA. 623+00	EACH	1.000		1.000				
0520	650.6501	Construction Staking Structure Layout (structure) 04. L04 - STA. 633+90	EACH	1.000		1.000				
0522	650.6501	Construction Staking Structure Layout (structure) 05. L05 - STA. 659+68	EACH	1.000	1.000					
0524	650.6501	Construction Staking Structure Layout (structure) 06. R-56-38	EACH	1.000		1.000				
0526	650.6501	Construction Staking Structure Layout (structure) 07. R-56-39	EACH	1.000		1.000				
0528	650.6501	Construction Staking Structure Layout (structure) 08. R-56-41	EACH	1.000	1.000					
0530	650.6501	Construction Staking Structure Layout (structure) 09. R-56-43	EACH	1.000	1.000					
0532	650.6501	Construction Staking Structure Layout (structure) 10. R-56-44	EACH	1.000	1.000					
0534	650.6501	Construction Staking Structure Layout (structure) 11. R-56-45	EACH	1.000	1.000					
0536	650.6501	Construction Staking Structure Layout (structure) 12. R-56-46	EACH	1.000	1.000					
0538	650.6501	Construction Staking Structure Layout (structure) 13. R-56-47	EACH	1.000	1.000					
0540	650.6501	Construction Staking Structure Layout (structure) 14. R-56-48	EACH	1.000			1.000			
0542	650.7000	Construction Staking Concrete Pavement	LF	13,794.000	4,575.000	4,977.000	4,242.000			
0546	650.8501	Construction Staking Electrical Installations (project) 02. 6145-01-72	EACH	1.000	1.000					
0548	650.8501	Construction Staking Electrical Installations (project) 03. 6145-01-73	EACH	1.000		1.000				
0550	650.8501	Construction Staking Electrical Installations (project) 04. 6145-01-74	EACH	1.000			1.000			
0552	650.9000	Construction Staking Curb Ramps	EACH	79.000	16.000	35.000	28.000			
0554	650.9500	Construction Staking Sidewalk (project) 01. 6145-01-72	EACH	1.000	1.000					
0556	650.9500	Construction Staking Sidewalk (project) 02. 6145-01-73	EACH	1.000		1.000				
0558	650.9500	Construction Staking Sidewalk (project) 03. 6145-01-74	EACH	1.000			1.000			
0562	650.9911	Construction Staking Supplemental Control (project) 02. 6145-01-72	EACH	1.000	1.000					
0564	650.9911	Construction Staking Supplemental Control (project) 03. 6145-01-73	EACH	1.000		1.000				
0566	650.9911	Construction Staking Supplemental Control (project) 04. 6145-01-74	EACH	1.000			1.000			
0568	650.9920	Construction Staking Slope Stakes	LF	13,794.000	4,575.000	4,977.000	4,242.000			
0570	652.0225	Conduit Rigid Nonmetallic Schedule 40 2-Inch	LF	30,366.000	10,000.000	10,890.000	9,476.000			
0572	652.0235	Conduit Rigid Nonmetallic Schedule 40 3-Inch	LF	5,871.000	1,084.000	1,277.000	3,510.000			
0574	652.0240	Conduit Rigid Nonmetallic Schedule 40 4-Inch	LF	1,165.000			1,165.000			
0576	652.0800	Conduit Loop Detector	LF	978.000	248.000	240.000	490.000			
0578	653.0135	Pull Boxes Steel 24x36-Inch	EACH	60.000	17.000	25.000	18.000			
0580	653.0164	Pull Boxes Non-Conductive 24x42-Inch	EACH	61.000	13.000	14.000	34.000			
0582	653.0905	Removing Pull Boxes	EACH	63.000	8.000	22.000	33.000			
0584	654.0101	Concrete Bases Type 1	EACH	29.000	7.000	11.000	11.000			
0586	654.0102	Concrete Bases Type 2	EACH	110.000	34.000	29.000	47.000			
0588	654.0105	Concrete Bases Type 5	EACH	1.000			1.000			
0590	654.0110	Concrete Bases Type 10	EACH	13.000	4.000	5.000	4.000			
0592	654.0113	Concrete Bases Type 13	EACH	5.000		1.000	4.000			
0594	654.0120	Concrete Bases Type 10-Special	EACH	7.000	1.000	2.000	4.000			
0596	654.0217	Concrete Control Cabinet Bases Type 9 Special	EACH	8.000	2.000	3.000	3.000			
0598	654.0230	Concrete Control Cabinet Bases Type L30	EACH	4.000	1.000	1.000	2.000			
0600	655.0210	Cable Traffic Signal 3-14 AWG	LF	630.000	120.000	180.000	330.000			
0602	655.0230	Cable Traffic Signal 5-14 AWG	LF	7,035.000	1,200.000	2,223.000	3,612.000			
0604	655.0240	Cable Traffic Signal 7-14 AWG	LF	3,083.000	593.000	395.000	2,095.000			
0606	655.0250	Cable Traffic Signal 9-14 AWG	LF	176.000	176.000					
0608	655.0260	Cable Traffic Signal 12-14 AWG	LF	3,271.000	488.000	915.000	1,868.000			

					6145-01-72	6145-01-73	6145-01-74	6145-01-82	6145-01-83	6145-01-84
Line	**Item**	**Item Description**	**Unit**	**Total**	**Qty**	**Qty**	**Qty**	**Qty**	**Qty**	**Qty**
0610	655.0305	Cable Type UF 2-12 AWG Grounded	LF	3,734.000	567.000	929.000	2,238.000			
0612	655.0510	Electrical Wire Traffic Signals 12 AWG	LF	11,822.000	5,012.000	4,267.000	2,543.000			
0614	655.0515	Electrical Wire Traffic Signals 10 AWG	LF	7,163.000	1,443.000	2,461.000	3,259.000			
0616	655.0610	Electrical Wire Lighting 12 AWG	LF	26,904.000	8,349.000	6,936.000	11,619.000			
0620	655.0630	Electrical Wire Lighting 4 AWG	LF	163,569.000	55,124.000	60,160.000	48,285.000			
0622	655.0700	Loop Detector Lead In Cable	LF	13,523.000	2,528.000	3,426.000	7,569.000			
0624	655.0800	Loop Detector Wire	LF	3,094.000	784.000	760.000	1,550.000			
0626	656.0201	Electrical Service Meter Breaker Pedestal (location) 01. USH 12 & STH 13/16/23	EACH	1.000			1.000			
0628	656.0201	Electrical Service Meter Breaker Pedestal (location) 02. USH 12 & DellShire Dr	EACH	1.000			1.000			
0630	656.0201	Electrical Service Meter Breaker Pedestal (location) 03. USH 12 & CTH A	EACH	1.000			1.000			
0632	656.0201	Electrical Service Meter Breaker Pedestal (location) 04. USH 12 at Bonanza PHB	EACH	1.000	1.000					
0634	656.0201	Electrical Service Meter Breaker Pedestal (location) 05. USH 12 & Olympus Dr	EACH	1.000	1.000					
0636	656.0201	Electrical Service Meter Breaker Pedestal (location) 06. USH 12 & Lake Ave	EACH	1.000		1.000				
0638	656.0201	Electrical Service Meter Breaker Pedestal (location) 07. USH 12 at Hiawatha PHB	EACH	1.000		1.000				
0640	656.0201	Electrical Service Meter Breaker Pedestal (location) 08. USH 12 at Newsom PHB	EACH	1.000		1.000				
0642	656.0201	Electrical Service Meter Breaker Pedestal (location) 09. Village Lighting	EACH	1.000	1.000					
0644	656.0201	Electrical Service Meter Breaker Pedestal (location) 10. Village Lighting	EACH	1.000		1.000				
0646	656.0201	Electrical Service Meter Breaker Pedestal (location) 11. City Lighting	EACH	2.000			2.000			
0648	657.0100	Pedestal Bases	EACH	29.000	7.000	11.000	11.000			
0650	657.0255	Transformer Bases Breakaway 11 1/2-Inch Bolt Circle	EACH	110.000	34.000	29.000	47.000			
0652	657.0315	Poles Type 4	EACH	7.000	1.000		6.000			
0654	657.0345	Poles Type 9	EACH	1.000	1.000					
0656	657.0350	Poles Type 10	EACH	12.000	3.000	5.000	4.000			
0658	657.0352	Poles Type 10-Special	EACH	7.000	1.000	2.000	4.000			
0660	657.0360	Poles Type 13	EACH	5.000		1.000	4.000			
0662	657.0420	Traffic Signal Standards Aluminum 13-FT	EACH	7.000	1.000	2.000	4.000			
0664	657.0425	Traffic Signal Standards Aluminum 15-FT	EACH	6.000	2.000	2.000	2.000			
0666	657.0430	Traffic Signal Standards Aluminum 10-FT	EACH	16.000	4.000	7.000	5.000			
0668	657.0515	Monotube Arms 15-FT	EACH	1.000			1.000			
0670	657.0520	Monotube Arms 20-FT	EACH	1.000	1.000					
0672	657.0525	Monotube Arms 25-FT	EACH	5.000	1.000	3.000	1.000			
0674	657.0530	Monotube Arms 30-FT	EACH	6.000	2.000	2.000	2.000			
0676	657.0536	Monotube Arms 35-FT-Special	EACH	1.000		1.000				
0678	657.0541	Monotube Arms 40-FT-Special	EACH	4.000	1.000	1.000	2.000			
0680	657.0546	Monotube Arms 45-FT-Special	EACH	2.000			2.000			
0682	657.0550	Monotube Arms 50-FT	EACH	2.000		1.000	1.000			
0684	657.0555	Monotube Arms 55-FT	EACH	3.000			3.000			
0686	657.0609	Luminaire Arms Single Member 4-Inch Clamp 6-FT	EACH	7.000			7.000			
0688	657.0635	Luminaire Arms Single Member 6-Inch Clamp 10-FT	EACH	103.000	33.000	29.000	41.000			
0690	657.0709	Luminaire Arms Truss Type 4-Inch Clamp 12-FT	EACH	3.000	1.000		2.000			
0692	657.0815	Luminaire Arms Steel 15-FT	EACH	26.000	6.000	8.000	12.000			
0694	658.0173	Traffic Signal Face 3S 12-Inch	EACH	69.000	11.000	20.000	38.000			
0696	658.0174	Traffic Signal Face 4S 12-Inch	EACH	20.000	5.000	4.000	11.000			
0698	658.0416	Pedestrian Signal Face 16-Inch	EACH	42.000	8.000	12.000	22.000			
0700	658.5070	Signal Mounting Hardware (location) 01. USH 12 & STH 13/16/23	EACH	1.000			1.000			
0702	658.5070	Signal Mounting Hardware (location) 02. USH 12 & DellShire Dr	EACH	1.000			1.000			
0704	658.5070	Signal Mounting Hardware (location) 03. USH 12 & CTH A	EACH	1.000			1.000			
0706	658.5070	Signal Mounting Hardware (location) 04. USH 12 at Bonanza PHB	EACH	1.000	1.000					
0708	658.5070	Signal Mounting Hardware (location) 05. USH 12 & Olympus Dr	EACH	1.000	1.000					

					6145-01-72	6145-01-73	6145-01-74	6145-01-82	6145-01-83	6145-01-84
Line	**Item**	**Item Description**	**Unit**	**Total**	**Qty**	**Qty**	**Qty**	**Qty**	**Qty**	**Qty**
0710	658.5070	Signal Mounting Hardware (location) 06. USH 12 & Lake Avenue	EACH	1.000		1.000				
0712	658.5070	Signal Mounting Hardware (location) 07. USH 12 at Hiawatha PHB	EACH	1.000		1.000				
0714	658.5070	Signal Mounting Hardware (location) 08. USH 12 at Newsom PHB	EACH	1.000		1.000				
0716	659.1125	Luminaires Utility LED C	EACH	36.000	7.000	8.000	21.000			
0718	659.2130	Lighting Control Cabinets 120/240 30-Inch	EACH	4.000	1.000	1.000	2.000			
0720	659.5000.S	Lamp, Ballast, LED, Switch Disposal by Contractor	EACH	95.000	9.000	26.000	60.000			
0722	661.0201	Temporary Traffic Signals for Intersections (location) 01. USH 12 & STH 13/16/23	EACH	1.000			1.000			
0724	661.0201	Temporary Traffic Signals for Intersections (location) 03. USH 12 & CTH A	EACH	1.000			1.000			
0726	661.0201	Temporary Traffic Signals for Intersections (location) 05. USH 12 & Olympus Dr	EACH	1.000	1.000					
0728	661.0201	Temporary Traffic Signals for Intersections (location) 06. USH 12 & Lake Ave	EACH	1.000		1.000				
0730	670.0101	Field System Integrator	EACH	1.000			1.000			
0732	670.0201	ITS Documentation	EACH	1.000			1.000			
0734	671.0122	Conduit HDPE 2-Duct 2-Inch	LF	11,824.000	4,357.000	3,079.000	4,388.000			
0736	673.0110	Communication Vault Type Round	EACH	10.000	4.000	3.000	3.000			
0742	678.0024	Install Fiber Optic Cable Outdoor Plant 24-CT	LF	13,172.000	5,462.000	4,867.000	2,843.000			
0744	678.0200	Fiber Optic Splice Enclosure	EACH	8.000	2.000	3.000	3.000			
0746	678.0300	Fiber Optic Splice	EACH	32.000	8.000	12.000	12.000			
0750	678.0501	Communication System Testing	EACH	1.000			1.000			
0752	678.0600	Install Ethernet Switches	EACH	8.000	2.000	3.000	3.000			
0754	680.0100	Public Land Reference Monument Verify and Reset	EACH	85.000	22.000	47.000	16.000			
0756	690.0150	Sawing Asphalt	LF	9,590.000	3,128.000	4,305.000	2,157.000			
0758	690.0250	Sawing Concrete	LF	13,103.000	4,719.000	5,462.000	2,922.000			
0760	715.0502	Incentive Strength Concrete Structures	DOL	4,598.000	4,098.000	500.000				
0762	715.0715	Incentive Flexural Strength Concrete Pavement	DOL	25,506.000	8,600.000	9,456.000	7,450.000			
0764	740.0440	Incentive IRI Ride	DOL	24,525.000	8,665.000	9,430.000	6,430.000			
0766	ASP.1T0A	On-the-Job Training Apprentice at $5.00/HR	HRS	2,100.000	2,100.000					
0768	ASP.1T0G	On-the-Job Training Graduate at $5.00/HR	HRS	6,480.000	6,480.000					
0770	SPV.0035	Special 001. Concrete Masonry Parapet and Anchor Slab	CY	415.000		342.000	73.000			
0772	SPV.0035	Special 002. Concrete Anchor Slab	CY	131.000	36.000	95.000				
0774	SPV.0035	Special 003. Lightweight Foamed Concrete Fill	CY	140.000	140.000					
0776	SPV.0035	Special 004. VLD Rock Excavation	CY	790.000				390.000	400.000	
0778	SPV.0035	Special 005. VLD Abandon Ex. Sanitary Sewer and Laterals	CY	20.000					20.000	
0780	SPV.0035	Special 007. CWD Rock Excavation Sanitary Sewer	CY	2,190.000						2,190.000
0782	SPV.0035	Special 008. CWD Abandon Existing Sanitary Sewer, CLSM	CY	28.000						28.000
0784	SPV.0035	Special 009. CWD Rock Excavation Water Main	CY	599.000						599.000
0786	SPV.0035	Special 010. Concrete Retaining Stair and Footing	CY	22.000	15.000	7.000				
0788	SPV.0060	Special 001. Storm Sewer Pipe Class III 60-Inch Diameter 45 Degree Elbow	EACH	1.000	1.000					
0790	SPV.0060	Special 002. Storm Sewer Pipe Class III-A 24-Inch Diameter 45 Degree Elbow	EACH	2.000		2.000				
0792	SPV.0060	Special 003. Double Inlets	EACH	67.000	36.000	29.000	2.000			
0794	SPV.0060	Special 004. Inlet Covers Type SP	EACH	67.000	36.000	29.000	2.000			
0796	SPV.0060	Special 005. Storm Sewer Manhole 15-FT X 4-FT	EACH	2.000	2.000					
0798	SPV.0060	Special 006. Storm Sewer Manhole 7-FT X 3-FT	EACH	1.000			1.000			
0800	SPV.0060	Special 007. Temporary Pipe Connection 12-Inch	EACH	11.000		2.000	9.000			
0802	SPV.0060	Special 008. Temporary Pipe Connection 18-Inch	EACH	3.000	1.000	2.000				
0804	SPV.0060	Special 009. Temporary Pipe Connection 24-Inch	EACH	1.000	1.000					
0806	SPV.0060	Special 010. Temporary Pipe Connection 30-Inch	EACH	3.000	2.000	1.000				
0808	SPV.0060	Special 011. Temporary Rectangular Rapid Flashing Beacon (USH 12 at Olympus Dr)	EACH	1.000	1.000					
0810	SPV.0060	Special 012. Accessible Pedestrian Signals	EACH	42.000	8.000	12.000	22.000			
0812	SPV.0060	Special 013. Luminaire Utility LED D (Type 4)	EACH	103.000	33.000	29.000	41.000			

					6145-01-72	6145-01-73	6145-01-74	6145-01-82	6145-01-83	6145-01-84
Line	**Item**	**Item Description**	**Unit**	**Total**	**Qty**	**Qty**	**Qty**	**Qty**	**Qty**	**Qty**
0814	SPV.0060	Special 014. Luminaire Utility LED A (Type 2)	EACH	96.000	33.000	23.000	40.000			
0816	SPV.0060	Special 015. 30-FT Decorative Light Pole (Type 5)	EACH	103.000	33.000	29.000	41.000			
0818	SPV.0060	Special 016. Relocate Lighting Unit	EACH	1.000			1.000			
0820	SPV.0060	Special 017. Luminaire Arm Member 6-Inch Long	EACH	96.000	33.000	23.000	40.000			
0822	SPV.0060	Special 018. Utility Line Opening	EACH	60.000	20.000	20.000	20.000			
0824	SPV.0060	Special 019. VLD Remove Existing Water Manhole and Valve	EACH	1.000				1.000		
0826	SPV.0060	Special 020. VLD Remove Ex. Sanitary Sewer Manhole	EACH	39.000		7.000		7.000	25.000	
0828	SPV.0060	Special 021. VLD 48-Inch Sanitary Manhole	EACH	39.000		7.000		8.000	24.000	
0830	SPV.0060	Special 022. VLD 48-Inch Sanitary Manhole w/External Drop, Complete	EACH	6.000				3.000	3.000	
0832	SPV.0060	Special 023. VLD Connect to Ex. Sanitary Sewer Pipe	EACH	48.000		6.000		13.000	29.000	
0834	SPV.0060	Special 024. VLD Connect to Ex. Sanitary Sewer Manhole	EACH	4.000		2.000			2.000	
0836	SPV.0060	Special 025. VLD Adjust Manhole Casting < 6-Inches	EACH	12.000	2.000	2.000		7.000	1.000	
0838	SPV.0060	Special 026. VLD Adjust Manhole Casting - 6-Inches to 1-Foot	EACH	4.000		2.000		2.000		
0840	SPV.0060	Special 027. VLD Adjust Manhole Casting > 1-Foot	EACH	1.000				1.000		
0842	SPV.0060	Special 028. VLD Adjust and Waterproof Manhole Casting	EACH	2.000	2.000					
0844	SPV.0060	Special 029. VLD Adjust Manhole Casting via Mr. Manhole	EACH	3.000				2.000	1.000	
0846	SPV.0060	Special 030. VLD Remove Existing Service	EACH	3.000				2.000	1.000	
0848	SPV.0060	Special 031. VLD Hydrant, Complete	EACH	29.000	1.000	7.000		13.000	8.000	
0850	SPV.0060	Special 032. VLD Remove & Salvage Existing Hydrant	EACH	28.000				14.000	14.000	
0852	SPV.0060	Special 033. VLD Remove & Salvage Existing Valve and Box	EACH	18.000				12.000	6.000	
0854	SPV.0060	Special 034. VLD Remove & Salvage Existing Curb Stop Box	EACH	5.000				4.000	1.000	
0856	SPV.0060	Special 035. VLD Adjust Ex. Hydrant	EACH	1.000				1.000		
0858	SPV.0060	Special 036. VLD Adjust Ex. Water Valve < 6-Inches	EACH	81.000		4.000		35.000	42.000	
0860	SPV.0060	Special 037. VLD Adjust Ex. Water Valve - 6-Inches to 1-Foot	EACH	7.000				5.000	2.000	
0862	SPV.0060	Special 038. VLD Adjust Ex. Water Valve > 1-Foot	EACH	2.000				2.000		
0864	SPV.0060	Special 039. VLD Adjust Ex. Curb Stop < 6-Inches	EACH	5.000				4.000	1.000	
0866	SPV.0060	Special 040. VLD Adjust Ex. Curb Stop - 6-Inches to 1-Foot	EACH	3.000				2.000	1.000	
0868	SPV.0060	Special 041. VLD Adjust Ex. Curb Stop > 1-Foot	EACH	3.000				1.000	2.000	
0870	SPV.0060	Special 042. VLD 4- Inch Valve and Box, Ductile Iron	EACH	1.000				1.000		
0872	SPV.0060	Special 043. VLD 6-Inch Valve and Box, Ductile Iron	EACH	14.000		4.000		7.000	3.000	
0874	SPV.0060	Special 044. VLD 8-Inch Valve and Box, Ductile Iron	EACH	3.000				1.000	2.000	
0876	SPV.0060	Special 045. VLD 12-Inch Valve and Box, Ductile Iron	EACH	1.000				1.000		
0878	SPV.0060	Special 046. VLD 45-Degree, 4-Inch Bend, Ductile Iron	EACH	1.000				1.000		
0880	SPV.0060	Special 047. VLD 22.5 Degree, 6-Inch Bend, Ductile Iron	EACH	1.000		1.000				
0882	SPV.0060	Special 047. VLD 22.5-Degree, 6-Inch Bend, Ductile Iron	EACH	2.000				1.000	1.000	
0884	SPV.0060	Special 048. VLD 45-Degree, 6-Inch Bend, Ductile Iron	EACH	22.000		4.000		14.000	4.000	
0886	SPV.0060	Special 049. VLD 90-Degree, 6-Inch Bend, Ductile Iron	EACH	6.000		1.000		4.000	1.000	
0888	SPV.0060	Special 050. VLD 22.5-Degree, 8-Inch Bend, Ductile Iron	EACH	1.000					1.000	
0890	SPV.0060	Special 051. VLD 45-Degree, 8-Inch Bend, Ductile Iron	EACH	8.000				4.000	4.000	
0892	SPV.0060	Special 052. VLD 45-Degree, 12-Inch Bend, Ductile Iron	EACH	5.000				5.000		
0894	SPV.0060	Special 053. VLD Connect to Ex. Watermain	EACH	31.000		7.000		15.000	9.000	
0896	SPV.0060	Special 054. VLD Abandon Ex. Water Service at Main & Plug	EACH	2.000				2.000		
0898	SPV.0060	Special 055. VLD Exploratory Excavation	EACH	5.000				2.000	3.000	
0900	SPV.0060	Special 056. VLD Abandon Ex. Hydrant Lead at Tee & Plug	EACH	9.000				5.000	4.000	
0902	SPV.0060	Special 057. VLD Abandon Ex. Corp. Valve at Main, and Curb Stop & Box	EACH	6.000				1.000	5.000	
0904	SPV.0060	Special 058. VLD 12-Inch X 6-Inch Tapping Sleeve, Live Tap	EACH	3.000				2.000	1.000	
0906	SPV.0060	Special 059. VLD 2-Inch Corporation Valve	EACH	1.000				1.000		
0908	SPV.0060	Special 060. VLD 1-Inch Curb Stop and Box	EACH	1.000					1.000	
0910	SPV.0060	Special 061. VLD 2-Inch Curb Stop and Box	EACH	3.000				3.000		

					6145-01-72	6145-01-73	6145-01-74	6145-01-82	6145-01-83	6145-01-84
Line	**Item**	**Item Description**	**Unit**	**Total**	**Qty**	**Qty**	**Qty**	**Qty**	**Qty**	**Qty**
0912	SPV.0060	Special 062. VLD Connect to Ex. Water Service	EACH	2.000				2.000		
0914	SPV.0060	Special 063. VLD 8-Inch X 6-Inch Tee	EACH	3.000		2.000			1.000	
0916	SPV.0060	Special 064. VLD 6-Inch X 6-Inch Tee	EACH	1.000				1.000		
0918	SPV.0060	Special 065. VLD 12-Inch X 6-Inch Reducer	EACH	2.000				1.000	1.000	
0920	SPV.0060	Special 066. VLD 8-Inch Plug	EACH	1.000					1.000	
0922	SPV.0060	Special 067. VLD 4-Foot Bollard, 6-Inch Diameter with Concrete Base	EACH	2.000		2.000				
0924	SPV.0060	Special 068. VLD 12-Inch X 6-Inch Tee	EACH	1.000				1.000		
0926	SPV.0060	Special 069. VLD 12-Inch X 4-Inch Tee	EACH	1.000				1.000		
0928	SPV.0060	Special 070. VLD 12-Inch X 8-Inch Tee	EACH	1.000				1.000		
0930	SPV.0060	Special 071. CWD Construction Staking Sanitary Sewer	EACH	1.000						1.000
0932	SPV.0060	Special 072. CWD Construction Staking Water Main	EACH	1.000						1.000
0934	SPV.0060	Special 073. CWD Abandon Existing Sanitary Manhole	EACH	6.000						6.000
0936	SPV.0060	Special 074. CWD Abandon Existing Sanitary Sewer	EACH	9.000						9.000
0938	SPV.0060	Special 075. CWD Saniary Sewer Manhole	EACH	23.000						23.000
0940	SPV.0060	Special 076. CWD Sanitary Sewer Manhole, Outside Drop	EACH	2.000						2.000
0942	SPV.0060	Special 077. CWD Adjust Existing Sanitary Manhole	EACH	14.000						14.000
0944	SPV.0060	Special 078. CWD Connect To Existing Sanitary Sewer Manhole	EACH	4.000						4.000
0946	SPV.0060	Special 079. CWD Connect To Existing Sanitary Sewer	EACH	11.000						11.000
0948	SPV.0060	Special 080. CWD Sanitary Sewer Wye 8-Inch X 6-Inch w/Tracer Wire & Terminal	EACH	2.000						2.000
0950	SPV.0060	Special 081. CWD Remove Existing Hydrant Assembly	EACH	5.000						5.000
0952	SPV.0060	Special 082. CWD Remove Existing Valve Box	EACH	7.000						7.000
0954	SPV.0060	Special 083. CWD Abandon Existing Water Main	EACH	7.000						7.000
0956	SPV.0060	Special 084. CWD Hydrant	EACH	8.000						8.000
0958	SPV.0060	Special 085. CWD Valve & Box 12-Inch	EACH	25.000						25.000
0960	SPV.0060	Special 086. CWD Valve & Box 8-Inch	EACH	5.000						5.000
0962	SPV.0060	Special 087. CWD Valve & Box 6-Inch	EACH	8.000						8.000
0964	SPV.0060	Special 088. CWD Cross 12-Inch X 6-Inch X 12-Inch X 12-Inch	EACH	2.000						2.000
0966	SPV.0060	Special 089. CWD Tee 12-Inch X 12-Inch X 12-Inch	EACH	8.000						8.000
0968	SPV.0060	Special 090. CWD Tee 12-Inch X 6-Inch X 12-Inch	EACH	3.000						3.000
0970	SPV.0060	Special 091. CWD Tee 8-Inch X 12-Inch X 8-Inch	EACH	2.000						2.000
0972	SPV.0060	Special 092. CWD Tee 8-Inch X 8-Inch X 8-Inch	EACH	1.000						1.000
0974	SPV.0060	Special 093. CWD Tee 8-Inch X 6-Inch X 8-Inch	EACH	1.000						1.000
0976	SPV.0060	Special 094. CWD Bend 12-Inch	EACH	14.000						14.000
0978	SPV.0060	Special 095. CWD Bend 8-Inch	EACH	12.000						12.000
0980	SPV.0060	Special 096. CWD Bend 6-Inch	EACH	2.000						2.000
0982	SPV.0060	Special 097. CWD Reducer 12-Inch X 8-Inch	EACH	2.000						2.000
0984	SPV.0060	Special 098. CWD Reducer 12-Inch X 6-Inch	EACH	3.000						3.000
0986	SPV.0060	Special 099. CWD Plug, 12-Inch	EACH	1.000						1.000
0988	SPV.0060	Special 100. CWD Corporation, Curb Stop, Box & Reconnect 1-Inch	EACH	3.000						3.000
0990	SPV.0060	Special 101. CWD Connect to Existing Water Main	EACH	14.000						14.000
0992	SPV.0060	Special 102. CWD Manhole Adjustment Via Mr. Manhole	EACH	5.000						5.000
0994	SPV.0060	Special 103. Removing Billboard Sign and Sign Structure	EACH	2.000	1.000	1.000				
0996	SPV.0060	Special 104. Remove, Salvage and Reinstall Guardrail and Single Post	EACH	1.000	1.000					
0998	SPV.0060	Special 105. Interim Traffic Signals of Intersections (USH 12 & DellShire Dr)	EACH	1.000			1.000			
1000	SPV.0090	Special 001. CIPP Lining 15-Inch	LF	32.000			32.000			
1002	SPV.0090	Special 002. CIPP Lining 18-Inch	LF	1,032.000			1,032.000			
1004	SPV.0090	Special 003. Concrete Curb Pedestrian Special	LF	88.000	50.000	38.000				
1006	SPV.0090	Special 004. Concrete Curb & Gutter 18-Inch, Type G	LF	89.000		89.000				
1008	SPV.0090	Special 005. Concrete Curb & Gutter 6-Inch Sloped 18-Inch, Type G	LF	290.000	194.000	96.000				

					6145-01-72	6145-01-73	6145-01-74	6145-01-82	6145-01-83	6145-01-84
Line	**Item**	**Item Description**	**Unit**	**Total**	**Qty**	**Qty**	**Qty**	**Qty**	**Qty**	**Qty**
1010	SPV.0090	Special 006. Concrete Curb & Gutter Integral 66-Inch, Type A	LF	4,693.000			4,693.000			
1012	SPV.0090	Special 007. Concrete Curb & Gutter 24-Inch Type A	LF	116.000		116.000				
1014	SPV.0090	Special 008. Concrete Curb & Gutter 24-Inch Type D	LF	47.000	16.000	31.000				
1016	SPV.0090	Special 009. Remove, Salvage and Reinstall Railing	LF	24.000	24.000					
1018	SPV.0090	Special 010. Remove, salvage and Reinstall Brick Edging	LF	80.000	80.000					
1020	SPV.0090	Special 011. Install State-Supplied Non-Intrusive Detection Cable	LF	4,533.000	814.000	855.000	2,864.000			
1022	SPV.0090	Special 015. VLD 4-Inch PVC Sanitary Sewer	LF	68.000					68.000	
1024	SPV.0090	Special 016. VLD 6-Inch PVC Sanitary Sewer	LF	190.000				11.000	179.000	
1026	SPV.0090	Special 017. VLD 8-Inch PVC Sanitary Sewer	LF	3,696.000		152.000		84.000	3,460.000	
1028	SPV.0090	Special 018. VLD 10-Inch PVC Sanitary Sewer	LF	270.000					270.000	
1030	SPV.0090	Special 019. VLD 4-Inch DI Watermain	LF	108.000				108.000		
1032	SPV.0090	Special 020. VLD 6-Inch DI Watermain	LF	415.000	6.000	44.000		199.000	166.000	
1034	SPV.0090	Special 021. VLD 8-Inch DI Watermain	LF	127.000	6.000			26.000	95.000	
1036	SPV.0090	Special 022. VLD 12-Inch DI Watermain	LF	390.000				390.000		
1038	SPV.0090	Special 023. VLD 1-Inch Service Line	LF	8.000					8.000	
1040	SPV.0090	Special 024. VLD 2-Inch Copper Service	LF	92.000				92.000		
1042	SPV.0090	Special 025. VLD Existing Sanitary Sewer Televising	LF	2,282.000				1,313.000	969.000	
1044	SPV.0090	Special 026. VLD Remove Existing Watermain	LF	438.000				397.000	41.000	
1046	SPV.0090	Special 027. VLD Remove Ex. Sanitary Sewer and Laterals	LF	2,571.000				42.000	2,529.000	
1048	SPV.0090	Special 029. CWD Sanitary Sewer C900 Restrained Joint 12-Inch	LF	115.000						115.000
1050	SPV.0090	Special 030. CWD Sanitary Sewer PVC 10-Inch	LF	1,359.000						1,359.000
1052	SPV.0090	Special 031. CWD Sanitary Sewer PVC 8-Inch	LF	2,417.000						2,417.000
1054	SPV.0090	Special 032. CWD Sanitary Sewer C900 Restrained Joint 8-Inch	LF	104.000						104.000
1056	SPV.0090	Special 033. CWD Casing Pipe RCP 24-Inch	LF	80.000						80.000
1058	SPV.0090	Special 034. CWD Sanitary Lateral PVC 6-Inch	LF	35.000						35.000
1060	SPV.0090	Special 035. CWD Water Main Ductile Iron 12-Inch	LF	2,658.000						2,658.000
1062	SPV.0090	Special 036. CWD Water Main Ductile Iron 8-Inch	LF	1,230.000						1,230.000
1064	SPV.0090	Special 037. CWD Water Main Ductile Iron 6-Inch	LF	78.000						78.000
1066	SPV.0090	Special 038. CWD Water Main Ductile Iron Restrained Joint 12-Inch	LF	401.000						401.000
1068	SPV.0090	Special 039. CWD Casing Pipe RCP 30-Inch	LF	328.000						328.000
1070	SPV.0090	Special 040. CWD Water Service Copper 1-Inch	LF	27.000						27.000
1072	SPV.0090	Special 041. CWD Casing Pipe RCP 30-Inch (Sanitary)	LF	80.000						80.000
1074	SPV.0165	Special 001. VLD Rigid Insulation, 4-FT X 8-FT X 2-Inch (For Water Main)	SF	448.000				132.000	316.000	
1076	SPV.0165	Special 002. VLD Rigid Insultation, 4-FT X 8-FT X 2-Inch (For Sanitary Sewer)	SF	148.000					148.000	
1078	SPV.0165	Special 003. CWD Rigid Insulation, 4-FT X 8-FT X 2-Inch	SF	64.000						64.000
1080	SPV.0165	Special 005. Remove, Salvage and Reinstall Landscaping Rock	SF	3,403.000	3,264.000		139.000			
1082	SPV.0165	Special 010. Anti-Graffiti Coating	SF	21,188.000	18,421.000	2,026.000	741.000			
1084	SPV.0165	Special 011. Wall Modular Block Gravity Landscape (L01 - Sta. 617+06)	SF	213.000		213.000				
1086	SPV.0165	Special 012. Wall Modular Block Gravity Landscape (L02 - Sta. 618+16)	SF	495.000		495.000				
1088	SPV.0165	Special 013. Wal Modular Block Gravity Landscape (L03 - Sta. 623+00)	SF	494.000		494.000				
1090	SPV.0165	Special 014. Wall Modular Block Gravity Landscape (L04 - Sta. 633+90)	SF	202.000		202.000				
1092	SPV.0165	Special 015. Wall Modular Block Gravity Landscape (L05 - Sta. 659+68)	SF	493.000	493.000					
1094	SPV.0165	Special 016. Wall Modular Block Gravity (R-56-0038)	SF	1,276.000		1,276.000				
1096	SPV.0165	Special 017. Wall Modular Block Gravity (R-56-0039)	SF	791.000		791.000				
1098	SPV.0165	Special 018. Wall Modular Block Gravity (R-56-0041)	SF	682.000	682.000					
1100	SPV.0165	Special 019. Wall Modular Block Gravity (R-56-0043)	SF	1,231.000	1,231.000					
1102	SPV.0165	Special 022. Wall Modular Block Gravity (R-56-0046)	SF	902.000	902.000					
1104	SPV.0165	Special 023. Wall Modular Block Gravity (R-56-0047)	SF	2,746.000	2,746.000					
1106	SPV.0165	Special 024. Wall Modular Block Gravity (R-56-0048)	SF	753.000			753.000			

					6145-01-72	6145-01-73	6145-01-74	6145-01-82	6145-01-83	6145-01-84
Line	**Item**	**Item Description**	**Unit**	**Total**	**Qty**	**Qty**	**Qty**	**Qty**	**Qty**	**Qty**
1108	SPV.0165	Special 025. Wall Modular Block Mechanically Stabilized Earth (R-56-0044)	SF	2,294.000	2,294.000					
1110	SPV.0165	Special 026. Wall Modular Block Mechanically Stabilized Earth (R-56-0045)	SF	4,468.000	4,468.000					
1112	SPV.0165	Special 027. Parapet Architectural Surface Treatment	SF	3,032.000		2,496.000	536.000			
1114	SPV.0180	Special 001. Concrete Pavement 8-Inch Special	SY	86,233.000	28,668.000	31,518.000	26,047.000			
1116	SPV.0180	Special 002. Concrete Pavement HES 8-Inch Special	SY	4,101.000	1,113.000	1,897.000	1,091.000			
1118	SPV.0195	Special 001. VLD Imported Granular Backfill (For Sanitary Sewer)	TON	250.000				125.000	125.000	
1120	SPV.0195	Special 002. VLD Imported Granular Backfill (For Water Main)	TON	100.000				25.000	75.000	
1122	SPV.0195	Special 004. CWD Imported Granular Backfill (For Sanitary Sewer)	TON	200.000						200.000
1124	SPV.0195	Special 005. CWD Imported Granular Backfill (For Water Main)	TON	300.000						300.000
1126	SPV.0195	Special 006. Cold Patch	TON	198.000	81.000	117.000				

CLEARING & GRUBBING

STATION TO STATION	CAT 0010 201.0120 CLEARING ID	CAT 0010 201.0220 GRUBBING ID
ID 6145-01-73		
643+45, 60'RT	12	12
ID 6145-01-73 TOTAL	12	12
ID 6145-01-74		
731+73, 76'LT	12	12
732+38, 74'LT	12	12
733+67, 80'LT	6	6
734+32, 72'LT	18	18
734+42, 82'LT	18	18
734+66, 96'LT	24	-
734+78, 74'LT	8	8
ID 6145-01-74 TOTAL	98	74
GRAND TOTAL	110	86

REMOVING SMALL PIPE CULVERTS

STATION TO STATION	CAT 0010 203.0100 REMOVING SMALL PIPE CULVERTS EACH
ID 6145-01-72	
669+50.0 - 669+97.0, 44.0'	1
ID 6145-01-72 TOTAL	1
GRAND TOTAL	1

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REMOVING ITEMS

STATION TO STATION		CAT 0010 204.0100 REMOVING CONCRETE PAVEMENT SY	CAT 0010 204.0115 REMOVING ASPHALTIC SURFACE BUTT JOINTS SY	CAT 0010 204.0130 REMOVING CURB LF	CAT 0010 204.0150 REMOVING CURB & GUTTER LF	CAT 0010 204.0155 REMOVING CONCRETE SIDEWALK SY	CAT 0040 204.0155 REMOVING CONCRETE SIDEWALK SY
ID 6145-01-73	USH 12 - NB (STAGE 3)						
	604+98.75 - 615+00	2,852	-	-	77	512	-
	615+00 - 626+00	4,002	-	-	-	574	-
	626+00 - 637+00	3,768	-	17	-	626	-
	637+00 - 647+50	4,043	-	184	123	441	-
	647+50 - 654+75	2,469	-	96	-	478	-
	E HIAWATHA DR	186	28	-	-	95	-
	E LAKE DR	376	-	12	82	53	-
	NB SUBTOTAL	17,696	28	309	282	2,779	0
	USH 12 - SB (STAGE 4 & 5)	-	-				
	604+98.75 - 615+00	2,936	-	-	-	576	-
	615+00 - 626+00	2,868	-	-	100	659	-
	626+00 - 637+00	2,696	-	-	61	796	-
	637+00 - 647+50	2,537	77	152	56	344	-
	647+50 - 654+75	1,506	-	213	62	350	-
	W HIAWATHA DR	-	16	-	68	60	-
	WINNEBAGO LN	-	-	-	-	-	-
	W LAKE DR	-	58	-	-	-	-
	SB SUBTOTAL	12,543	151	365	347	2,785	0
	ID 6145-01-73 TOTAL	30,239	179	674	629	5,564	0
ID 6145-01-72	USH 12 - NB (STAGE 1 & 3)						
	654+75 - 666+50	3,201	-	199	-	614	-
	666+50 - 677+50	3,013	-	8	-	600	-
	677+50 - 688+50	3,058	-	35	-	476	-
	668+50 - 700+50	3,297	-	-	-	553	-
	NB SUBTOTAL	12,569	0	242	0	2,243	0
	USH 12 - SB (STAGE 2 & 4)						
	654+75 - 666+50	3,418	-	-	297	716	-
	666+50 - 677+50	3,204	-	29	-	558	-
	677+50 - 688+50	3,121	-	-	-	597	-
	668+50 - 700+50	3,377	-	-	-	635	-
	PILGRIM DR	-	-	-	244	77	-
	SB SUBTOTAL	13,120	0	29	541	2,583	0
	ID 6145-01-72 TOTAL	25,689	0	271	541	4,826	0
ID 6145-01-74	USH 12 - NB (STAGE 1)						
	700+50 - 710+50	2,890	-	-	-	413	-
	710+50 - 720+00	4,102	-	189	296	358	54
	720+00 - 731+00	3,765	-	-	309	23	411
	731+00 - 742+91.59	4,757	-	95	300	465	387
	CTH A	-	-	-	141	-	-
	NB SUBTOTAL	15,514	0	284	1,046	1,259	852
	USH 12 - SB (STAGE 2 & 3)						
	700+50 - 710+50	2,983	-	10	75	460	-
	710+50 - 720+00	3,551	-	55	17	186	-
	720+00 - 731+00	3,678	-	-	26	-	-
	731+00 - 742+91.59	3,995	-	-	228	195	-
	SB SUBTOTAL	14,207	0	65	346	841	0
	ID 6145-01-74 TOTAL	29,721	0	349	1,392	2,100	852
	CATEGORY TOTAL	**85,649**	**179**	**1,294**	**2,562**	**12,490**	**852**
	GRAND TOTAL	**85,649**	**179**	**1,294**	**2,562**	**13,342**	

REMOVING FENCE

STATION TO STATION	CAT 0010 204.0170 REMOVING FENCE LF
ID 6145-01-73	
651+51.9 - 652+11.6, 31'-5C	140
ID 6145-01-73 TOTAL	140
ID 6145-01-72	
661+15.2 - 661+31.1, 45'L	26
ID 6145-01-72 TOTAL	26
GRAND TOTAL	**166**

REMOVING MANHOLES

STRUCTURE #	STATION	CAT 0010 204.0210 REMOVING MANHOLES EACH	CAT 0040 204.0210 REMOVING MANHOLES EACH
ID 6145-01-73			
13	613+11.10, 30.5' RT	1	-
15	615+77.58, 24.0' RT	1	-
20	620+68.72, 24.0' RT	1	-
27	625+33.84, 23.6' RT	1	-
33	626+26.13, 21.8' RT	1	-
35	628+68.92, 21.5' RT	1	-
36	630+44.12, 21.8' RT	1	-
43	643+82.78, 45.2' RT	1	-
44	644+00.22, 115.2' RT	1	-
50	650+40.84, 50.3' LT	1	-
ID 6145-01-73 TOTAL		10	0
ID 6145-01-72			
67	687+53.62, 52.5' LT	1	-
ID 6145-01-72 TOTAL		1	0
ID 6145-01-74			
77	714+09.26, 37.6' RT	1	-
78	714+18.84, 23.9' LT	1	-
86	717+02.64, 28.9' LT	-	1
91	719+21.10, 21.7' LT	-	1
96	722+20.35, 10.9' LT	-	1
101	725+20.38, 19.3' LT	-	1
105	727+69.83, 55.8' LT	-	1
107	730+42.05, 18.9' LT	-	1
109	732+70.40, 19.8' LT	-	1
112	734+10.27, 19.4' LT	-	1
120	737+11.02, 17.9' LT	-	1
ID 6145-01-74 TOTAL		2	9
CATEGORY TOTAL		13	9
GRAND TOTAL		22	

REMOVING INLETS

STRUCTURE #	STATION	CAT 0010 204.0220 REMOVING INLETS EACH
ID 6145-01-73		
1	606+70.40, 20.8' RT	1
2	608+02.14, 23.5' RT	1
5	609+67.85, 24.2' RT	1
6	611+00.05, 24.3' LT	1
7	611+05.87, 24.2' LT	1
8	611+17.43, 22.7' LT	1
9	611+23.45, 24.2' LT	1
10	611+08.23, 24.8' RT	1
11	611+16.78, 24.9' RT	1
12	611+24.34, 24.9' RT	1
21	620+75.65, 47.5' LT	1
22	621+28.74, 60.1' LT	1
23	621+31.20, 54.1' LT	1
24	625+34.22, 29.8' LT	1
25	625+41.88, 30.2' LT	1
26	625+37.62, 17.7' RT	1
28	625+42.68, 18.1' RT	1
30	626+24.80, 33.0' LT	1
31	626+32.93, 33.4' LT	1
32	626+27.42, 14.9' RT	1
34	626+33.04, 14.7' RT	1
37	630+44.75, 14.8' RT	1
38	630+63.56, 33.5' LT	1
40	643+86.72, 65.4' LT	1
41	643+49.65, 40.7' LT	1
42	643+65.44, 25.6' RT	1
45	643+88.36, 117.6' RT	1
ID 6145-01-73 TOTAL		27
ID 6145-01-72		
50	656+15.05, 44.6' LT	1
51	656+25.02, 52.6' LT	1
52	656+28.77, 58.9' LT	1
53	656+77.47, 53.8' LT	1
54	657+09.98, 11.9' RT	1
55	657+24.25, 11.6' RT	1
56	657+44.22, 37.1' LT	1
57	657+87.58, 37.8' LT	1
58	659+47.62, 94.5' LT	1
60	660+12.53, 38.4' LT	1
61	661+33.38, 9.9' RT	1
64	680+17.70, 17.5' RT	1
65	680+21.30, 38.1' RT	1
70	690+11.44, 51.9' LT	1
ID 6145-01-72 TOTAL		14

REMOVING INLETS CONT'D

STRUCTURE #	STATION	CAT 0010 204.0220 REMOVING INLETS EACH	CAT 0040 204.0220 REMOVING INLETS EACH
ID 6145-01-74			
75	713+00.80, 35.7' RT	1	-
76	713+43.64, 37.1' RT	1	-
79	713+93.02, 14.8' LT	1	-
80	714+18.37, 61.1' LT	1	-
85	716+85.25, 21.0' LT	-	1
87	717+00.40, 62.5' LT	-	1
90	719+19.41, 60.5' LT	-	1
92	719+21.57, 8.4' LT	-	1
95	722+20.33, 17.4' LT	-	1
97	722+21.64, 57.3' LT	-	1
100	725+19.90, 6.5' LT	-	1
102	725+21.20, 55.7' LT	-	1
103	727+68.66, 18.5' LT	-	1
104	727+69.02, 6.0' LT	-	1
106	730+41.59, 5.8' LT	-	1
108	730+42.85, 57.9' LT	-	1
110	732+71.16, 9.3' LT	-	1
111	734+09.38, 58.9' LT	-	1
113	734+10.49, 6.7' LT	-	1
114	734+13.68, 21.4' RT	-	1
121	737+12.25, 14.6' LT	-	1
122	737+26.69, 53.7' LT	-	1
123	737+67.60, 37.1' RT	1	-
124	738+98.31, 14.9' LT	1	-
125	739+03.02, 10.8' LT	1	-
126	741+54.50, 29.0' RT	1	-
127	742+86.84, 66.0' RT	1	-
ID 6145-01-74 TOTAL		9	18
CATEGORY TOTAL		50	18
GRAND TOTAL		68	

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REMOVING STORM SEWER

STATION TO STATION	CAT 0010 204.0245.01 REMOVING STORM SEWER 12-INCH LF	CAT 0040 204.0245.01 REMOVING STORM SEWER 12-INCH LF	CAT 0010 204.0245.02 REMOVING STORM SEWER 15-INCH LF	CAT 0040 204.0245.02 REMOVING STORM SEWER 15-INCH LF	CAT 0010 204.0245.03 REMOVING STORM SEWER 18-INCH LF	CAT 0010 204.0245.04 REMOVING STORM SEWER 24-INCH LF	CAT 0010 204.0245.05 REMOVING STORM SEWER 27-INCH LF	CAT 0010 204.0245.06 REMOVING STORM SEWER 30-INCH LF	CAT 0010 204.0245.07 REMOVING STORM SEWER 36-INCH LF	CAT 0010 204.0245.08 REMOVING STORM SEWER 60-INCH LF
ID 6145-01-73										
USH 12 - NB (STAGE 3)										
604+98.75 - 615+00	-	-	-	-	35	-	192	-	-	-
615+00 - 626+00	7	-	39	-	39	-	1,035	-	66	-
626+00 - 637+00	6	-	-	-	-	37	-	458	27	-
637+00 - 647+50	149	-	-	-	-	-	-	-	-	-
647+50 - 654+75	-	-	-	-	-	-	-	-	-	-
NB SUBTOTAL	162	0	39	0	74	37	1,227	458	93	0
USH 12 - SB (STAGE 4 & 5)										
604+98.75 - 615+00	-	-	-	-	-	-	-	-	-	-
615+00 - 626+00	8	-	128	-	15	-	-	-	-	-
626+00 - 637+00	8	-	-	-	-	18	-	21	-	-
637+00 - 647+50	73	-	-	-	-	-	-	-	-	-
647+50 - 654+75	27	-	-	-	-	-	-	-	-	-
SB SUBTOTAL	116	0	128	0	15	18	0	21	0	0
ID 6145-01-73 TOTAL	278	0	167	0	89	55	1,227	479	93	0
ID 6145-01-72										
USH 12 - NB (STAGE 1 & 3)										
654+75 - 666+50	9	-	26	-	-	64	-	8	-	18
666+50 - 677+50	-	-	-	-	4	-	-	-	-	-
677+50 - 688+50	-	-	-	-	33	20	-	-	-	-
668+50 - 700+50	-	-	-	-	-	-	-	-	-	-
NB SUBTOTAL	9	0	26	0	37	84	0	8	0	18
USH 12 - SB (STAGE 2 & 4)										
654+75 - 666+50	33	-	195	-	65	33	-	8	-	-
666+50 - 677+50	-	-	-	-	-	-	-	-	-	-
677+50 - 688+50	-	-	-	-	39	-	-	-	98	-
668+50 - 700+50	-	-	-	-	-	-	-	-	161	-
SB SUBTOTAL	33	0	195	0	104	33	0	8	259	0
ID 6145-01-72 TOTAL	42	0	221	0	141	117	0	16	259	18
ID 6145-01-74										
USH 12 - NB (STAGE 1)										
700+50 - 710+50	-	-	-	-	-	-	-	-	-	-
710+50 - 720+00	30	-	-	-	107	60	-	-	-	-
720+00 - 731+00	-	-	-	-	-	-	-	-	-	-
731+00 - 742+91.59	16	-	80	80	-	62	-	11	-	-
NB SUBTOTAL	46	0	80	80	107	122	0	11	0	0
USH 12 - SB (STAGE 2 & 3)										
700+50 - 710+50	-	-	-	-	-	-	-	-	-	-
710+50 - 720+00	60	48	48	38	52	-	-	-	-	-
720+00 - 731+00	-	172	-	4	48	-	-	-	-	-
731+00 - 742+91.59	-	44	220	-	8	18	-	-	-	-
SB SUBTOTAL	60	264	268	42	108	18	0	0	0	0
ID 6145-01-74 TOTAL	106	264	348	122	215	140	0	11	0	0
CATEGORY TOTAL	**426**	**264**	**736**	**122**	**445**	**312**	**1,227**	**506**	**352**	**18**
GRAND TOTAL	**690**		**858**		**445**	**312**	**1,227**	**506**	**352**	**18**

REMOVING STORM SEWER

STATION TO STATION	CAT 0010 204.0245.09 2X6-FT BOX CULVERT LF	CAT 0010 204.0245.10 24-INCH X 38-INCH LF	CAT 0010 204.0245.11 34-INCH X 53-INCH LF	CAT 0040 204.0245.11 34-INCH X 53-INCH LF
ID 6145-01-73				
USH 12 - NB (STAGE 3)				
604+98.75 - 615+00	-	150	-	-
615+00 - 626+00	-	-	-	-
626+00 - 637+00	-	-	-	-
637+00 - 647+50	-	-	-	-
647+50 - 654+75	-	-	-	-
NB SUBTOTAL	0	150	0	0
USH 12 - SB (STAGE 4 & 5)				
604+98.75 - 615+00	-	-	-	-
615+00 - 626+00	-	-	-	-
626+00 - 637+00	-	-	-	-
637+00 - 647+50	-	-	-	-
647+50 - 654+75	-	-	-	-
SB SUBTOTAL	0	0	0	0
ID 6145-01-73 TOTAL	0	150	0	0
ID 6145-01-72				
USH 12 - NB (STAGE 1 & 3)				
654+75 - 666+50	-	-	-	-
666+50 - 677+50	-	-	-	-
677+50 - 688+50	-	-	-	-
668+50 - 700+50	50	-	-	-
NB SUBTOTAL	50	0	0	0
USH 12 - SB (STAGE 2 & 4)				
654+75 - 666+50	-	-	-	-
666+50 - 677+50	-	-	-	-
677+50 - 688+50	-	-	-	-
668+50 - 700+50	32	-	-	-
SB SUBTOTAL	32	0	0	0
ID 6145-01-72 TOTAL	82	0	0	0
ID 6145-01-74				
USH 12 - NB (STAGE 1)				
700+50 - 710+50	-	-	-	-
710+50 - 720+00	-	-	-	-
720+00 - 731+00	-	-	-	-
731+00 - 742+91.59	-	-	8	16
NB SUBTOTAL	0	0	8	16
USH 12 - SB (STAGE 2 & 3)				
700+50 - 710+50	-	-	-	-
710+50 - 720+00	-	-	-	-
720+00 - 731+00	-	-	-	-
731+00 - 742+91.59	-	-	-	-
SB SUBTOTAL	0	0	0	0
ID 6145-01-74 TOTAL	0	0	8	16
CATEGORY TOTAL	**82**	**150**	**8**	**16**
GRAND TOTAL	**82**	**150**	**24**	

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SEALING PIPES

STATION	CAT 0010 204.0280 SEALING PIPES EACH
ID 6145-01-72	
660+05, 80.0' LT	1
660+14, 48.7' LT	1
ID 6145-01-72 TOTAL	2

ABANDONING SEWER

STATION	CAT 0010 204.0291.S ABANDONING SEWER CY
ID 6145-01-72	
668+77 - 669+37, RT	11
ID 6145-01-72 TOTAL	11
ID 6145-01-74	
736+97 - 737+66, RT	9
ID 6145-01-74 TOTAL	9
GRAND TOTAL	20

REMOVING CURB STOPS

STATION	CAT 0010 204.9060.S.10 REMOVING CURB STOPS EACH
ID 6145-01-73	
626+21 - 626+83, RT	7
ID 6145-01-73 TOTAL	7
ID 6145-01-72	
657+96, 60' LT	2
ID 6145-01-72 TOTAL	2
GRAND TOTAL	9

REMOVING LIGHTING SYSTEM

STATION	CAT 0020 204.9060.S.02 REMOVING LIGHTING SYSTEM EACH
ID 6145-01-74	1
ID 6145-01-74 TOTAL	1

REMOVING LIGHTING UNIT

STATION	CAT 0010 204.9060.S.11 REMOVING LIGHTING UNIT EACH
ID 6145-01-73	
620+56.4, 48.0' LT	1
651+43.4, 49.4' RT	1
652+03.4, 41.9' RT	1
652+03.5, 37.9' RT	1
652+21.6, 92.4' RT	1
ID 6145-01-73 TOTAL	5
ID 6145-01-72	
672+44.5, 62.9' LT	1
674+64.8, 56.4' LT	1
675+19.9, 57.9' LT	1
675+75.5, 58.7' LT	1
676+31.0, 58.1' LT	1
676+85.7, 58.4' LT	1
ID 6145-01-72 TOTAL	6
GRAND TOTAL	11

REMOVING BOLLARD

STATION	CAT 0010 204.9060.S.09 REMOVING BOLLARD EACH
ID 6145-01-73	
617+07.9, 28.2' RT	1
617+73.1, 27.7' RT	1
618+16.8, 27.6' RT	1
619+01.4, 27.5' RT	1
623+16.0, 27.9' RT	1
624+23.0, 29.6' RT	1
624+87.7, 28.8' RT	1
ID 6145-01-72 TOTAL	7
ID 6145-01-72	
657+46.7, 50.3' LT	1
657+95.6, 53.6' LT	1
672+23.4, 65.0' LT	1
684+23.5, 32.4' LT	1
691+57.2, 36.3' RT	1
691+93.4, 36.2' RT	1
ID 6145-01-73 TOTAL	6
ID 6145-01-74	
71+84.4, 47.6' RT	1
71+99.8, 50.1' RT	1
ID 6145-01-74 TOTAL	2
GRAND TOTAL	15

REMOVING DRAINAGE CHAMBER

STATION	CAT 0010 204.9060.S.12 REMOVING DRAINAGE CHAMBER EACH
ID 6145-01-72	
661+19, 7.2' RT	1
661+22, 41.0' LT	1
ID 6145-01-72 TOTAL	2

REMOVING TRASH RECEPTICLE

STATION	CAT 0010 204.9060.S.13 REMOVING TRASH RECEPTICLE EACH
ID 6145-01-72	
674+56, 46.5' LT	1
ID 6145-01-72 TOTAL	1

REMOVING BENCH

STATION	CAT 0010 204.9060.S.14 REMOVING BENCH EACH
ID 6145-01-72	
674+51, 43.7' LT	1
674+62, 44.0' LT	1
ID 6145-01-72 TOTAL	2

REMOVING EXISTING BOULDER WALL

STATION	CAT 0010 204.9090.S.02 REMOVING EXISTING BOULDER WALL LF
ID 6145-01-72	
671+95 - 673+94, LT	207
672+36 - 673+46, RT	110
673+57 - 675+35, RT	182
674+47 - 677+21, LT	287
681+16 - 682+34, LT	121
695+71 - 695+76, LT	6
ID 6145-01-72 TOTAL	913

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REMOVING RETAINING WALL AND RAILING

STATION	CAT 0010 204.9090.S.03 REMOVING RETAINING WALL AND RAILING LF
ID 6145-01-72	
656+93, 44.5' - 48.5' LT	4
ID 6145-01-72 TOTAL	4

REMOVING EXISTING BLOCK RETAINING WALL

STATION	CAT 0010 204.9090.S.04 REMOVING EXISTING BLOCK RETAINING WALL LF
ID 6145-01-73	
617+06 - 617+75, RT	80
618+15 - 619+03, RT	89
623+14 - 624+90, RT	183
633+68 - 634+68, RT	100
650+06 - 650+49, LT	77
651+11 - 652+11, RT	156
ID 6145-01-73 TOTAL	685
ID 6145-01-72	
699+91 - 700+34, RT	129
ID 6145-01-72 TOTAL	129
CATEGORY TOTAL	814
GRAND TOTAL	814

REMOVING EXISTING TIMBER RETAINING WALL

STATION	CAT 0010 204.9090.S.05 REMOVING EXISTING TIMBER RETAINING WALL LF
ID 6145-01-73	
649+43.6 - 649+50.0, LT	22
ID 6145-01-73 TOTAL	22

3

REMOVING EXISTING TIE WALL

STATION	CAT 0010 204.9090.S.06 REMOVING EXISTING TIE WALL LF
ID 6145-01-73	
637+35 - 637+72, RT	43
637+82 - 638+18, RT	40
646+98 - 647+03, RT	11
ID 6145-01-73 TOTAL	94
ID 6145-01-72	
656+92 - 657+47, LT	52
ID 6145-01-72 TOTAL	52
GRAND TOTAL	292

REMOVING RAILING

STATION	CAT 0010 204.9090.S.07 REMOVING RAILING LF
ID 6145-01-73	
608+46 - 612+02, LT	356
610+09 - 613+10, RT	244
ID 6145-01-73 TOTAL	600

REMOVING DECORATIVE FENCE AND CONCRETE PILLARS

STATION	CAT 0010 204.9090.S.08 REMOVING DECORATIVE FENCE AND CONCRETE PILLARS LF
ID 6145-01-72	
681+20 - 682+29, 43.2' LT	109
ID 6145-01-72 TOTAL	109

3

REMOVING ELEVATED CONCRETE PATIO AND RAILING

STATION	CAT 0010 204.9165.S.01 REMOVING ELEVATED CONCRETE PATIO AND RAILING SF
ID 6145-01-72	
663+58 - 663+99, RT	592
ID 6145-01-72 TOTAL	592

REMOVING PAVERS

STATION	CAT 0010 204.9165.S.02 REMOVING PAVERS SF
ID 6145-01-73	
633+65 - 634+66, RT	1,173
ID 6145-01-72 TOTAL	1,173

FINISHING ROADWAY

STATION	CAT 0010 213.0100 FINISHING ROADWAY EACH
ID 6145-01-73	1
ID 6145-01-72	1
ID 6145-01-74	1
GRAND TOTAL	3

3

3

EARTHWORK SUMMARY

DIVISION	FROM/TO STATION	LOCATION	205.0100 COMMON EXCAVATION [CY] (1) CUT [CY] (2)	205.0100 COMMON EXCAVATION [CY] (1) EBS EXCAVATION [CY] (3)	SALVAGED/UNUSABLE PAVEMENT MATERIAL [CY] (4)	AVAILABLE MATERIAL [CY] (5)	205.0200 ROCK EXCAVATION (7)	UNEXPANDED FILL [CY]	EXPANDED FILL [CY] (6) FACTOR 1.20	MASS ORDINATE +/- [CY] (8)	311.0110 BREAKER RUN (UNDISTRIBUTED) [TON] (9)	WASTE	COMMENT
6145-01-73													
STAGE 3	605+00.00/654+50.00		13,109	85	5,141	7,968	263	117	140	7,828	0	7,828	
STAGE 4	605+00.00/654+50.00		9,744	85	3,997	5,747	0	19	23	5,724	0	5,724	
STAGE 5	605+00.00/654+50.00		1,987	0	1,056	931	0	0	0	931	0	931	
6145-01-73 SUBTOTAL			24,840	170	10,194	14,646	263	136	163	14,483	0	14,483	
6145-01-72													
STAGE 1	654+75.26/700+50.00		11,245	77	4,156	7,089	0	773	928	6,161	0	6,161	
STAGE 2	654+75.26/700+50.00		10,804	77	3,352	7,452	0	449	539	6,913	0	6,913	
STAGE 3	654+75.26/700+50.00		3,981	0	2,255	1,726	0	61	73	1,653	0	1,653	
STAGE 4	654+75.26/700+50.00		575	0	343	232	0	13	16	216	0	216	
STAGE 5	654+75.26/700+50.00		768	0	632	136	0	0	0	136	0	136	
6145-01-72 SUBTOTAL			27,373	154	10,738	16,635	0	1,296	1,555	15,080	0	15,080	
6145-01-74													
STAGE 1	700+50.00/741+00.00		11,997	80	4,543	7,454	0	812	974	6,480	0	6,480	
STAGE 2	700+50.00/741+00.00		12,474	80	4,516	7,958	0	707	848	7,110	0	7,110	
STAGE 3	700+50.00/741+00.00		1,389	0	765	624	0	0	0	624	0	624	
6145-01-74 SUBTOTAL			25,860	160	9,824	16,036	0	1,519	1,823	14,213	0	14,213	
GRAND TOTAL			78,073	484	30,756	47,317	263	2,951	3,541	43,776	0	43,776	
TOTAL COMMON EXC			78,557										

NOTES:

(1) COMMON EXCAVATION IS THE SUM OF THE CUT AND EBS EXCAVATION COLUMNS. ITEM NUMBER 205.0100

(2) SALVAGED/UNSUABLE PAVEMENT MATERIAL IS INCLUDED IN CUT.

(3) EBS EXCAVATION TO BE BACKFILLED WITH BREAKER RUN MATERIAL.

(4) SALVAGED/UNUSABLE PAVEMENT MATERIAL

(5) AVAILABLE MATERIAL = CUT - SALVAGED/UNUSUABLE PAVEMENT MATERIAL

(6) EXPANDED FILL = UNEXPANDED FILL * FILL FACTOR

(7) EXPANDED FILL FACTOR = FACTOR

(8) THE MASS ORDINATE + OR - QTY CALCULATED FOR THE DIVISION. PLUS QUANTITY INDICATES AN EXCESS OF MATERIAL WITHIN THE DIVISION. MINUS INDICATES A SHORTAGE OF MATERIAL WITHIN THE DIVISION.

(9) SEE ROADWAY AGGREGATE MISCELLANEOUS QUANTITY TABLE FOR BREAKER RUN TONAGE

AGGREGATE		CAT 0010 305.0120* BASE AGGREGATE DENSE 1 1/4-INCH	CAT 0030 305.0120 BASE AGGREGATE DENSE 1 1/4-INCH	CAT 0040 305.0120 BASE AGGREGATE DENSE 1 1/4-INCH	CAT 0050 305.0120 BASE AGGREGATE DENSE 1 1/4-INCH	CAT 0090 305.0120 BASE AGGREGATE DENSE 1 1/4-INCH	CAT 0010 311.0110 BREAKER RUN (UNDISTRIBUTED)
STATION TO STATION		TON	TON	TON	TON	TON	TON
ID 6145-01-73	**USH 12 - NB (STAGE 3)**						
	604+98.75 - 615+00	1,298	12	-	-	-	27
	615+00 - 626+00	1,910	91	-	-	-	38
	626+00 - 637+00	1,912	32	-	-	-	40
	637+00 - 647+50	1,985	88	-	-	-	42
	647+50 - 654+75	1,204	63	-	-	-	24
	E HIAWATHA DR	45	-	-	-	-	0
	E LAKE AVE	176	-	-	-	-	4
	NB SUBTOTAL	8,530	286	0	0	0	175
	USH 12 - SB (STAGE 4 & 5)						
	604+98.75 - 615+00	1,289	18	-	-	-	26
	615+00 - 626+00	1,465	85	-	-	-	29
	626+00 - 637+00	1,262	18	-	-	-	26
	637+00 - 647+50	1,501	74	-	-	-	30
	647+50 - 654+75	988	57	-	-	-	18
	W HIAWATHA DR	44	-	-	-	-	1
	WINNEBAGE LN	159	-	-	-	-	2
	W LAKE AVE	512	-	-	-	-	6
	SB SUBTOTAL	7,220	252	0	0	0	139
	UNDISTRIBUTED	741	-	-	-	-	-
	ID 6145-01-73 TOTAL	16,491	538	0	0	0	313
ID 6145-01-72	**USH 12 - NB (STAGE 1 & 3)**						
	654+75 - 666+50	1,416	100	-	-	-	27
	666+50 - 677+50	1,339	86	-	-	-	25
	677+50 - 688+50	1,378	88	-	-	-	27
	668+50 - 700+50	1,380	102	-	-	-	27
	NB SUBTOTAL	5,513	376	0	0	0	105
	USH 12 - SB (STAGE 2 & 4)						
	654+75 - 666+50	2,375	85	-	22	-	46
	666+50 - 677+50	1,637	184	-	184	-	37
	677+50 - 688+50	1,693	173	-	203	-	40
	668+50 - 700+50	1,690	194	-	213	-	40
	PILGRIM DR	467	-	-	-	-	5
	SB SUBTOTAL	7,862	636	0	622	0	168
	UNDISTRIBUTED	645	-	-	-	-	-
	ID 6145-01-72 TOTAL	14,020	1,012	0	622	0	273
ID 6145-01-74	**USH 12 - NB (STAGE 1)**						
	700+50 - 710+50	1,212	96	-	-	-	25
	710+50 - 720+00	2,015	34	18	-	-	35
	720+00 - 731+00	1,433	-	141	-	-	33
	731+00 - 742+91.59	1,939	-	134	-	-	42
	CTH A	41	-	581	-	-	0
	NB SUBTOTAL	6,640	130	874	0	0	135
	USH 12 - SB (STAGE 2 & 3)						
	700+50 - 710+50	1,275	136	-	186	-	30
	710+50 - 720+00	1,360	48	71	52	403	40
	720+00 - 731+00	1,796	-	165	-	2	41
	731+00 - 742+91.59	1,904	-	158	-	-	41
	SB SUBTOTAL	6,335	184	394	238	405	152
	UNDISTRIBUTED	647	-	-	-	-	-
	ID 6145-01-74 TOTAL	13,622	314	1,268	238	405	287
	CATEGORY TOTAL	**44,133**	**1,864**	**1,268**	**860**	**405**	**874**
	GRAND TOTAL			**48,530**			**874**

*** QUANTITIES SHOWN ELSEWHERE ON PLANS**

CONCRETE

STATION TO STATION	CAT 0030 405.0100 COLORING CONCRETE WISDOT RED CY	CAT 0030 405.0200 COLORING CONCRETE CUSTOM CY	CAT 0010 SPV.0180.001 CONCRETE PAVEMENT 8-INCH SPECIAL SY	CAT 0090 SPV.0180.001 CONCRETE PAVEMENT 8-INCH SPECIAL SY	CAT 0010 SPV.0180.002 CONCRETE PAVEMENT HES 8-INCH SPECIAL SY	CAT 0010 415.0210 PAVEMENT GAPS EACH	CAT 0010 415.4100 PAVEMENT JOINT FILLING SY	CAT 0010 416.0610 DRILLED TIE BARS EACH	CAT 0010 416.0620 DRILLED DOWEL BARS EACH
ID 6145-01-73									
USH 12 - NB (STAGE 3)									
604+98.75 - 615+00	-	14	2,568	-	282	1	2,850	12	19
615+00 - 626+00	-	61	2,706	-	-	1	2,958	-	-
626+00 - 637+00	-	43	3,006	-	-	2	3,248	12	-
637+00 - 647+50	-	70	2,947	-	562	4	3,260	14	-
647+50 - 654+75	-	39	1,772	-	-	3	1,903	-	-
NB SUBTOTAL	0	227	12,999	0	844	11	14,219	38	19
USH 12 - SB (STAGE 4 & 5)									
604+98.75 - 615+00	14	11	2,494	-	-	-	2,831	4	18
615+00 - 626+00	-	70	4,428	-	522	2	4,659	12	-
626+00 - 637+00	-	21	4,192	-	44	2	4,489	8	-
637+00 - 647+50	-	83	4,586	-	487	4	4,904	-	-
647+50 - 654+75	-	40	2,819	-	-	4	2,981	6	-
SB SUBTOTAL	14	225	18,519	0	1,053	12	19,864	30	18
ID 6145-01-73 TOTAL	14	452	31,518	0	1,897	23	34,083	68	37
ID 6145-01-72									
USH 12 - NB (STAGE 1 & 3)									
654+75 - 666+50	-	75	3,303	-	-	1	3,507	-	-
666+50 - 677+50	-	56	2,692	-	43	3	2,892	-	-
677+50 - 688+50	-	67	2,795	-	284	3	2,999	-	-
668+50 - 700+50	-	64	2,932	-	43	2	3,147	-	-
NB SUBTOTAL	0	262	11,722	0	370	9	12,545	0	0
USH 12 - SB (STAGE 2 & 4)									
654+75 - 666+50	-	235	4,047	-	743	3	4,667	12	-
666+50 - 677+50	-	92	4,217	-	-	-	4,404	-	-
677+50 - 688+50	-	96	4,138	-	-	-	4,329	-	-
668+50 - 700+50	-	97	4,544	-	-	1	4,817	-	-
SB SUBTOTAL	0	520	16,946	0	743	4	18,217	12	0
ID 6145-01-72 TOTAL	0	782	28,668	0	1,113	13	30,762	12	0
ID 6145-01-74									
USH 12 - NB (STAGE 1)									
700+50 - 710+50	-	60	2,441	-	-	-	2,815	2	-
710+50 - 720+00	-	43	2,927	-	677	2	3,693	24	-
720+00 - 731+00	-	-	3,195	-	47	1	4,175	8	-
731+00 - 742+91.59	-	25	4,128	-	17	2	5,040	242	56
NB SUBTOTAL	0	128	12,691	0	741	5	15,723	276	56
USH 12 - SB (STAGE 2 & 3)									
700+50 - 710+50	-	73	3,068	-	-	1	3,512	8	-
710+50 - 720+00	-	67	2,571	1,209	62	2	4,423	8	-
720+00 - 731+00	-	15	2,986	6	181	1	3,930	4	-
731+00 - 742+91.59	-	63	3,516	-	107	2	4,347	355	38
SB SUBTOTAL	0	218	12,141	1,215	350	6	16,212	375	38
ID 6145-01-74 TOTAL	0	346	24,832	1,215	1,091	11	31,935	651	94
CATEGORY TOTAL	**14**	**1,580**	**85,018**	**1,215**	**4,101**	**47**	**96,780**	**731**	**131**
GRAND TOTAL	**14**	**1,580**	**86,233**		**4,101**	**47**	**96,780**	**731**	**131**

HMA PAVEMENT

	STATION TO STATION	CAT 0010 460.6223 HMA PAVEMENT 3 MT 58-28 S TON	CAT 0040 460.6223 HMA PAVEMENT 3 MT 58-28 S TON	CAT 0010 460.6224 HMA PAVEMENT 4 MT 58-28 S TON	CAT 0040 460.6224 HMA PAVEMENT 4 MT 58-28 S TON	CAT 0010 465.0120 ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES TON	CAT 0010 465.0105 ASPHALTIC SURFACE TON	CAT 0010 450.4000 HMA COLD WEATHER PAVING TON	CAT 0010 455.0605 TACK COAT* GAL	CAT 0040 455.0605 TACK COAT GAL
ID 6145-01-73	**USH 12 - NB (STAGE 3)**									
	604+98.75 - 615+00	7	-	6	-	19	-	-	3	-
	615+00 - 626+00	-	-	-	-	218	-	-	-	-
	626+00 - 637+00	-	-	-	-	78	-	-	-	-
	637+00 - 647+50	-	-	-	-	103	-	-	-	-
	647+50 - 654+75	-	-	-	-	77	-	-	-	-
	E HIAWATHA DR	-	-	-	-	-	3	-	-	-
	E LAKE DR	43	-	33	-	10	-	-	20	-
	NB SUBTOTAL	50	0	39	0	505	3	0	23	0
	USH 12 - SB (STAGE 4 & 5)									
	604+98.75 - 615+00	-	-	-	-	7	-	-	-	-
	615+00 - 626+00	18	-	14	-	29	-	31	8	-
	626+00 - 637+00	-	-	-	-	18	-	-	-	-
	637+00 - 647+50	13	-	10	-	63	9	24	11	-
	647+50 - 654+75	11	-	9	-	65	-	20	5	-
	W HIAWATHA DR	3	-	2	-	-	2	5	1	-
	WINNEBAGO LN	23	-	18	-	-	-	41	11	-
	W LAKE DR	80	-	62	-	-	7	142	37	-
	SB SUBTOTAL	148	0	115	0	182	18	263	73	0
	ID 6145-01-73 TOTAL	198	0	154	0	687	21	263	96	0
ID 6145-01-72	**USH 12 - NB (STAGE 1 & 3)**									
	654+75 - 666+50	-	-	-	-	86	-	-	-	-
	666+50 - 677+50	-	-	-	-	118	-	-	-	-
	677+50 - 688+50	9	-	7	-	77	-	-	4	-
	668+50 - 700+50	-	-	-	-	61	-	-	-	-
	NB SUBTOTAL	9	0	7	0	342	0	0	4	0
	USH 12 - SB (STAGE 2 & 4)									
	654+75 - 666+50	-	-	-	-	81	-	-	-	-
	666+50 - 677+50	-	-	-	-	91	-	-	-	-
	677+50 - 688+50	-	-	-	-	34	-	-	-	-
	668+50 - 700+50	-	-	-	-	20	-	-	-	-
	PILGRIM DR	69	-	54	-	7	-	124	32	-
	SB SUBTOTAL	69	0	54	0	233	0	124	32	0
	ID 6145-01-72 TOTAL	78	0	61	0	575	0	124	36	0
ID 6145-01-74	**USH 12 - NB (STAGE 1)**									
	700+50 - 710+50	-	-	-	-	9	-	-	-	-
	710+50 - 720+00	86	-	67	-	99	-	-	40	0
	720+00 - 731+00	-	-	-	-	26	-	-	-	-
	731+00 - 742+91.59	-	-	-	-	42	-	-	-	-
	CTH A		104	-	81	-	-	185	-	48
	NB SUBTOTAL	86	104	67	81	176	0	185	40	48
	USH 12 - SB (STAGE 2 & 3)									
	700+50 - 710+50	-	-	-	-	24	-	-	-	-
	710+50 - 720+00	-	-	-	-	44	-	-	-	-
	720+00 - 731+00	26	-	20	-	-	-	46	12	-
	731+00 - 742+91.59	-	-	-	-	32	-	-	-	-
	SB SUBTOTAL	26	0	20	0	100	0	46	12	0
	ID 6145-01-74 TOTAL	112	104	87	81	276	0	231	52	48
	GRAND TOTAL	**388**	**104**	**302**	**81**	**1,538**	**21**	**618**	**184**	**48**

*** QUANTITIES SHOWN ELSEWHERE ON PLANS.**

TEMPORARY ASPHALT ITEMS

STATION TO STATION	CAT 0010 204.0120 REMOVING ASPHALTIC SURFACE MILLING SY	CAT 0010 305.0120* BASE AGGREGATE DENSE 1 1/4-INCH TON	CAT 0010 465.0125 ASPHALTIC SURFACE TEMPORARY TON	CAT 0010 455.0605* TACK COAT GAL	CAT 0010 643.0650 TRAFFIC CONTROL CHANNELIZING CURB SYSTEM LF	CAT 0010 SPV.0195.006 COLD PATCH TON
ID 6145-01-73						
USH 12 - POST-STAGE 3						
604+98.75 - 615+00	469	7	25	9	-	26
615+00 - 626+00	638	282	295	2	-	35
626+00 - 637+00	138	222	271	21	-	8
637+00 - 647+50	324	312	323	-	-	18
647+50 - 654+75	535	73	88	6	-	30
ID 6145-01-73 TOTAL	2,104	896	1,002	39	0	117
ID 6145-01-72						
USH 12 - POST-STAGE 1						
654+75 - 666+50	-	526	544	-	1,848	-
666+50 - 677+50	22	-	133	69	-	1
677+50 - 688+50	714	135	161	11	-	40
668+50 - 700+50	720	-	526	-	-	40
POST-STAGE 1 TOTAL	1,456	661	1,364	80	1,848	81
USH 12 - POST-STAGE 3						
654+75 - 666+50	-	455	471	-	1,054	-
666+50 - 677+50	-	-	-	-	-	-
677+50 - 688+50	-	-	-	-	-	-
668+50 - 700+50	-	-	-	-	-	-
POST-STAGE 3 TOTAL	0	455	471	0	1,054	0
ID 6145-01-72 TOTAL	1,456	1,116	1,835	80	2,902	81
ID 6145-01-74						
USH 12 - PRE-STAGE						
700+50 - 710+50	-	41	43	-	-	-
710+50 - 720+00	-	40	42	-	-	-
720+00 - 731+00	-	-	-	-	-	-
731+00 - 742+91.59	-	59	61	-	-	-
USH 12 PRE-STAGE TOTAL	0	140	146	0	0	0
USH 12 - POST-STAGE 1						
700+50 - 710+50	-	56	58	-	-	-
710+50 - 720+00	-	-	-	-	-	-
720+00 - 731+00	-	18	19	-	-	-
731+00 - 742+91.59	-	174	180	-	458	-
USH 12 POST-STAGE 1 TOTA	0	248	257	0	458	0
ID 6145-01-74 TOTAL	0	388	403	0	458	0
GRAND TOTAL	**3,560**	**2,400**	**3,240**	**119**	**3,360**	**198**

*** QUANTITIES SHOWN ELSEWHERE ON PLANS**

STAIR ITEMS

STATION	CAT 0010 513.2001 RAILING PIPE LF	CAT 0010 SPV.0035.010 CONCRETE RETAINING STAIR AND FOOTING CY
ID 6145-01-73		
634+71, RT	18	7
ID 6145-01-73 TOTAL	18	7
ID 6145-01-72		
663+11, RT	35	15
ID 6145-01-72 TOTAL	35	15
GRAND TOTAL	53	22

STRUCTURAL CONCRETE AND RAILING

STATION	DESCRIPTION	CAT 0010 513.7016* RAILING STEEL TYPE C3 LF	CAT 0010 SPV.0035.001 CONCRETE MASONRY PARAPET AND ANCHOR SLAB CY	CAT 0010 513.8016* RAILING STEEL PEDESTRIAN TYPE C3 LF	CAT 0010 SPV.0035.002 CONCRETE ANCHOR SLAB CY
ID 6145-01-73					
608+61 - 612+24, 32.8' LT	-	363	198	-	-
610+08 - 612+71, 33.9' RT	-	263	144	-	-
617+06 - 617+77, 33.8' RT	L01	-	-	75	14
618+16 - 619+90, 33.8' RT	L02	-	-	177	32
623+00 - 624+94, 33.8' RT	L03	-	-	194	35
633+90 - 634+67, 33.8' RT	L04	-	-	77	14
ID 6145-01-73 TOTAL		626	342	523	95
ID 6145-01-72					
659+68 - 661+62, 32.5' RT	L05	-	-	196	36
ID 6145-01-72 TOTAL		0	0	196	36
ID 6145-01-74					
734+25 - 735+57, 60.3' LT	-	133	73	-	-
ID 6145-01-74 TOTAL		133	73	0	0
GRAND TOTAL		**759**	**415**	**719**	**130**

* QUANTITIES ALSO SHOWN ON STRUCTURE PLANS

3

CRACK & SURFACE SEALERS

STATION TO STATION	CAT 0010 502.3200 PROTECTIVE SURFACE TREATMENT SY	CAT 0010 502.3210 PIGMENTED SURFACE SEALER SY
ID 6145-01-73		
USH 12 - NB (STAGE 3)		
604+98.75 - 615+00	-	131
615+00 - 626+00	318	-
626+00 - 637+00	53	-
637+00 - 647+50	-	-
647+50 - 654+75	-	-
NB SUBTOTAL	371	131
USH 12 - SB (STAGE 4 & 5)		
604+98.75 - 615+00	-	181
615+00 - 626+00	-	-
626+00 - 637+00	-	-
637+00 - 647+50	-	-
647+50 - 654+75	-	-
SB SUBTOTAL	0	181
ID 6145-01-73 TOTAL	371	312
ID 6145-01-72		
USH 12 - NB (STAGE 1 & 3)		
654+75 - 666+50	136	-
666+50 - 677+50	-	-
677+50 - 688+50	-	-
668+50 - 700+50	-	-
NB SUBTOTAL	136	0
USH 12 - SB (STAGE 2 & 4)		
654+75 - 666+50	-	-
666+50 - 677+50	-	-
677+50 - 688+50	-	-
668+50 - 700+50	-	-
SB SUBTOTAL	0	0
ID 6145-01-72 TOTAL	136	0
ID 6145-01-74		
USH 12 - NB (STAGE 1)		
700+50 - 710+50	-	-
710+50 - 720+00	-	-
720+00 - 731+00	-	-
731+00 - 742+91.59	-	-
NB SUBTOTAL	0	0
USH 12 - SB (STAGE 2 & 3)		
700+50 - 710+50	-	-
710+50 - 720+00	-	-
720+00 - 731+00	-	-
731+00 - 742+91.59	-	66
SB SUBTOTAL	0	66
ID 6145-01-74 TOTAL	0	66
CATEGORY TOTAL	**507**	**378**

CURB

STATION TO STATION	CAT 0010 465.0310 ASPHALTIC CURB LF	CAT 0010 601.0110 CONCRETE CURB TYPE D LF	CAT 0010 601.0600 CONCRETE CURB PEDESTRIAN LF	CAT 0010 SPV.0090.003 CONCRETE CURB PEDESTRIAN SPECIAL LF
ID 6145-01-73				
USH 12 - NB (STAGE 3)				
604+98.75 - 615+00	-	-	-	-
615+00 - 626+00	-	-	18	-
626+00 - 637+00	76	-	45	-
637+00 - 647+50	-	69	-	-
647+50 - 654+75	-	355	-	-
NB SUBTOTAL	76	424	63	0
USH 12 - SB (STAGE 4 & 5)				
604+98.75 - 615+00	-	-	-	-
615+00 - 626+00	-	-	22	38
626+00 - 637+00	-	-	-	-
637+00 - 647+50	30	-	44	-
647+50 - 654+75	-	27	-	-
SB SUBTOTAL	30	27	66	38
ID 6145-01-73 TOTAL	106	451	129	38
ID 6145-01-72				
USH 12 - NB (STAGE 1 & 3)				
654+75 - 666+50	269	110	-	-
666+50 - 677+50	10	63	-	-
677+50 - 688+50	25	66	-	-
668+50 - 700+50	37	42	-	-
NB SUBTOTAL	341	281	0	0
USH 12 - SB (STAGE 2 & 4)				
654+75 - 666+50	-	-	134	-
666+50 - 677+50	-	361	-	50
677+50 - 688+50	-	231	-	-
668+50 - 700+50	22	-	-	-
SB SUBTOTAL	22	592	134	50
ID 6145-01-72 TOTAL	363	873	134	50
ID 6145-01-74				
USH 12 - NB (STAGE 1)				
700+50 - 710+50	-	63	-	-
710+50 - 720+00	-	91	-	-
720+00 - 731+00	-	-	-	-
731+00 - 742+91.59	-	54	154	-
NB SUBTOTAL	0	208	154	0
USH 12 - SB (STAGE 2 & 3)				
700+50 - 710+50	-	-	-	-
710+50 - 720+00	-	39	7	-
720+00 - 731+00	-	-	6	-
731+00 - 742+91.59	-	-	93	-
SB SUBTOTAL	0	39	106	0
ID 6145-01-74 TOTAL	0	247	260	0
CATEGORY TOTAL	**469**	**1,571**	**523**	**88**
GRAND TOTAL	**469**	**1,571**	**523**	**88**

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CONCRETE CURB & GUTTER		CAT 0010 601.0405 18-INCH TYPE A	CAT 0010 601.0407 18-INCH TYPE D	CAT 0040 601.0409 18-INCH TYPE D	CAT 0010 601.0409 30-INCH TYPE A	CAT 0010 601.0411 30-INCH TYPE D	CAT 0040 601.0411 30-INCH TYPE D
STATION TO STATION		LF	LF	LF	LF	LF	LF
ID 6145-01-73	USH 12 - NB (STAGE 3)						
	604+98.75 - 615+00	50	22	-	904	33	-
	615+00 - 626+00	980	331	-	121	-	-
	626+00 - 637+00	996	-	-	72	-	-
	637+00 - 647+50	969	71	-	108	-	-
	647+50 - 654+75	641	-	-	85	-	-
	E HIAWATHA DR	33	-	-	-	-	-
	E LAKE AVE	-	-	-	-	237	-
	NB SUBTOTAL	3,669	424	0	1,290	270	0
	USH 12 - SB (STAGE 4 & 5)						
	604+98.75 - 615+00	476	-	-	927	-	-
	615+00 - 626+00	960	-	-	169	87	-
	626+00 - 637+00	314	38	-	777	-	-
	637+00 - 647+50	975	26	-	39	90	-
	647+50 - 654+75	608	94	-	124	39	-
	W HIAWATHA DR	-	-	-	-	83	-
	WINNEBAGO LN	-	-	-	-	-	-
	W LAKE AVE	-	254	-	-	-	-
	SB SUBTOTAL	3,333	412	0	2,036	299	0
	ID 6145-01-73 TOTAL	7,002	836	0	3,326	569	0
ID 6145-01-72	USH 12 - NB (STAGE 1 & 3)						
	654+75 - 666+50	1,048	-	-	59	-	-
	666+50 - 677+50	887	-	-	163	-	-
	677+50 - 688+50	1,000	13	-	108	17	-
	668+50 - 700+50	1,054	-	-	143	-	-
	NB SUBTOTAL	3,989	13	0	473	17	0
	USH 12 - SB (STAGE 2 & 4)						
	654+75 - 666+50	2,736	162	-	257	-	-
	666+50 - 677+50	1,093	-	-	17	-	-
	677+50 - 688+50	1,076	-	-	-	-	-
	668+50 - 700+50	1,154	-	-	53	-	-
	PILGRIM DR	-	-	-	-	239	-
	SB SUBTOTAL	6,059	162	0	327	239	0
	ID 6145-01-72 TOTAL	10,048	175	0	800	256	0
ID 6145-01-74	USH 12 - NB (STAGE 1)						
	700+50 - 710+50	442	-	-	1,081	-	-
	710+50 - 720+00	-	186	-	1,199	271	-
	720+00 - 731+00	-	-	-	1,000	78	-
	731+00 - 742+91.59	103	-	-	1,532	51	-
	CTH A	-	-	12	-	-	133
	NB SUBTOTAL	545	186	12	4,812	400	133
	USH 12 - SB (STAGE 2 & 3)						
	700+50 - 710+50	590	255	-	921	-	-
	710+50 - 720+00	485	30	-	501	7	-
	720+00 - 731+00	116	-	-	880	62	-
	731+00 - 742+91.59	164	89	-	1,340	-	-
	SB SUBTOTAL	1,355	374	0	3,642	69	0
	ID 6145-01-74 TOTAL	1,900	560	12	8,454	469	133
	CATEGORY TOTAL	**18,950**	**1,571**	**12**	**12,580**	**1,294**	**133**
	GRAND TOTAL	**18,950**	**1,571**	**12**	**12,580**	**1,294**	**133**

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CONCRETE CURB & GUTTER		CAT 0010 601.0413 6-INCH SLOPED 30-INCH TYPE G	CAT 0010 601.0555 6-INCH SLOPED 36-INCH TYPE A	CAT 0010 601.0581 4-INCH SLOPED 30-INCH TYPE R	CAT 0010 SPV.0090.004 18-INCH TYPE G	CAT 0010 SPV.0090.005 6-INCH SLOPED 18-INCH TYPE G	CAT 0010 SPV.0090.006 INTEGRAL 66-INCH, TYPE A	CAT 0010 SPV.0090.007 24-INCH TYPE A	CAT 0010 SPV.0090.008 24-INCH TYPE D
STATION TO STATION		LF	LF	LF	LF	LF	LF	LF	LF
ID 6145-01-73	USH 12 - NB (STAGE 3)								
	604+98.75 - 615+00	36	-	-	-	-	-	-	-
	615+00 - 626+00	-	-	-	-	-	-	-	-
	626+00 - 637+00	-	20	-	-	-	-	-	-
	637+00 - 647+50	-	-	-	-	-	-	-	-
	647+50 - 654+75	-	-	-	-	-	-	-	-
	E HIAWATHA DR	-	87	-	-	-	-	92	-
	E LAKE AVE	-	-	-	-	-	-	-	-
	NB SUBTOTAL	36	107	0	0	0	0	92	0
	USH 12 - SB (STAGE 4 & 5)								
	604+98.75 - 615+00	-	-	-	-	-	-	-	-
	615+00 - 626+00	-	-	-	-	-	-	-	31
	626+00 - 637+00	-	-	-	-	-	-	-	-
	637+00 - 647+50	-	-	16	-	96	-	24	-
	647+50 - 654+75	-	-	-	-	-	-	-	-
	W HIAWATHA DR	-	-	-	-	-	-	-	-
	WINNEBAGO LN	-	-	133	-	-	-	-	-
	W LAKE AVE	-	-	-	89	-	-	-	-
	SB SUBTOTAL	0	0	149	89	96	0	24	31
	ID 6145-01-73 TOTAL	36	107	149	89	96	0	116	31
ID 6145-01-72	USH 12 - NB (STAGE 1 & 3)								
	654+75 - 666+50	-	-	-	-	78	-	-	-
	666+50 - 677+50	-	-	-	-	46	-	-	-
	677+50 - 688+50	-	-	-	-	-	-	-	-
	668+50 - 700+50	-	-	-	-	-	-	-	-
	NB SUBTOTAL	0	0	0	0	124	0	0	0
	USH 12 - SB (STAGE 2 & 4)								
	654+75 - 666+50	-	-	-	-	-	-	-	16
	666+50 - 677+50	-	-	-	-	-	-	-	-
	677+50 - 688+50	-	-	-	-	70	-	-	-
	668+50 - 700+50	-	-	-	-	-	-	-	-
	PILGRIM DR	-	-	-	-	-	-	-	-
	SB SUBTOTAL	0	0	0	0	70	0	0	16
	ID 6145-01-72 TOTAL	0	0	0	0	194	0	0	16
ID 6145-01-74	USH 12 - NB (STAGE 1)								
	700+50 - 710+50	-	-	-	-	-	-	-	-
	710+50 - 720+00	-	-	-	-	-	470	-	-
	720+00 - 731+00	-	-	-	-	-	1,113	-	-
	731+00 - 742+91.59	-	-	-	-	-	719	-	-
	CTH A	-	-	-	-	-	-	-	-
	NB SUBTOTAL	0	0	0	0	0	2,302	0	0
	USH 12 - SB (STAGE 2 & 3)								
	700+50 - 710+50	-	-	-	-	-	-	-	-
	710+50 - 720+00	-	-	-	-	-	633	-	-
	720+00 - 731+00	-	-	-	-	-	1,076	-	-
	731+00 - 742+91.59	-	-	-	-	-	682	-	-
	SB SUBTOTAL	0	0	0	0	0	2,391	0	0
	ID 6145-01-74 TOTAL	0	0	0	0	0	4,693	0	0
	CATEGORY TOTAL	**36**	**107**	**149**	**89**	**290**	**4,693**	**116**	**47**
	GRAND TOTAL	**36**	**107**	**149**	**89**	**290**	**4,693**	**116**	**47**

CONCRETE ITEMS		CAT 0010 602.0410 CONCRETE SIDEWALK 5-INCH	CAT 0030 602.0410 CONCRETE SIDEWALK 5-INCH	CAT 0040 602.0410 CONCRETE SIDEWALK 5-INCH	CAT 0010 602.0415 CONCRETE SIDEWALK 6-INCH	CAT 0030 602.0415 CONCRETE SIDEWALK 6-INCH	CAT 0050 602.0415 CONCRETE SIDEWALK 6-INCH	CAT 0010 602.0505 CURB RAMP DETECTABLE WARNING FIELD YELLOW	CAT 0010 602.0515 CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA	CAT 0010 602.0605 CURB RAMP DETECTABLE WARNING FIELD RADIAL YELLOW	CAT 0010 602.0615 CURB RAMP DETECTABLE WARNING FIELD RADIAL NATURAL PATINA
STATION TO STATION		SF	SF	SF	SF	SF	SF	SF	SF	SF	SF
ID 6145-01-73	USH 12 - NB (STAGE 3)										
	604+98.75 - 615+00	3,031	503	-	1,967	-	-	20	-	-	-
	615+00 - 626+00	3,223	3,686	-	-	-	-	10	-	-	-
	626+00 - 637+00	5,268	1,302	-	-	-	-	12	-	40	-
	637+00 - 647+50	3,979	3,554	-	-	-	-	30	-	14	-
	647+50 - 654+75	3,795	2,538	-	-	-	-	-	-	-	-
	E HIAWATHA DR	1,543	-	-	-	-	-	-	-	-	-
	E LAKE AVE	465	-	-	-	-	-	-	-	-	-
	NB SUBTOTAL	21,304	11,583	0	1,967	0	0	72	0	54	0
	USH 12 - SB (STAGE 4, 5 & 6)										
	604+98.75 - 615+00	4,050	709	-	2,353	-	-	-	-	-	-
	615+00 - 626+00	5,423	3,447	-	-	-	-	60	-	12	-
	626+00 - 637+00	5,917	718	-	-	-	-	22	-	18	-
	637+00 - 647+50	4,650	3,009	-	-	-	-	90	-	64	-
	647+50 - 654+75	3,586	2,318	-	-	-	-	30	-	-	-
	W HIAWATHA DR	519	-	-	-	-	-	-	-	-	-
	WINNEBAGO LN	-	-	-	-	-	-	-	-	-	-
	W LAKE AVE	457	-	-	-	-	-	-	-	-	-
	SB SUBTOTAL	24,602	10,201	0	2,353	0	0	202	0	94	0
	ID 6145-01-73 TOTAL	45,906	21,784	0	4,320	0	0	274	0	148	0
ID 6145-01-72	USH 12 - NB (STAGE 1 & 3)										
	654+75 - 666+50	4,757	4,066	-	-	-	-	30	-	-	-
	666+50 - 677+50	3,883	3,470	-	-	-	-	-	-	-	-
	677+50 - 688+50	4,803	3,563	-	-	-	-	20	-	-	-
	668+50 - 700+50	5,345	4,119	-	-	-	-	-	-	-	-
	NB SUBTOTAL	18,788	15,218	0	0	0	0	50	0	0	0
	USH 12 - SB (STAGE 2, 4 & 6)										
	654+75 - 666+50	14,203	2,545	-	-	591	2,003	100	-	73	-
	666+50 - 677+50	-	-	-	-	4,981	11,704	-	-	-	-
	677+50 - 688+50	498	-	-	-	4,666	9,303	60	-	-	-
	668+50 - 700+50	-	-	-	-	5,228	11,724	-	-	-	-
	PILGRIM DR	694	-	-	-	-	-	-	-	-	-
	SB SUBTOTAL	15,395	2,545	0	0	15,466	34,734	160	0	73	0
	ID 6145-01-72 TOTAL	34,183	17,763	0	0	15,466	34,734	210	0	73	0
ID 6145-01-74	USH 12 - NB (STAGE 1)										
	700+50 - 710+50	5,006	3,896	-	-	-	-	-	-	-	-
	710+50 - 720+00	4,492	1,777	608	-	-	-	-	20	-	34
	720+00 - 731+00	616	-	4,792	-	-	-	-	10	-	-
	731+00 - 742+91.59	3,030	-	4,527	-	-	-	-	80	-	-
	CTH A	-	-	-	-	-	-	-	-	-	-
	NB SUBTOTAL	13,144	5,673	9,927	0	0	0	0	110	0	34
	USH 12 - SB (STAGE 2 & 3)										
	700+50 - 710+50	-	-	-	-	3,660	9,250	-	-	-	-
	710+50 - 720+00	1,571	-	5,698	-	1,309	3,850	-	50	-	-
	720+00 - 731+00	998	-	4,324	-	-	-	-	20	-	16
	731+00 - 742+91.59	5,071	-	0	863	-	-	-	80	-	33
	SB SUBTOTAL	7,640	0	10,022	863	4,969	13,100	0	150	0	49
	ID 6145-01-74 TOTAL	20,784	5,673	19,949	863	4,969	13,100	0	260	0	83
	CATEGORY TOTAL	**100,873**	**45,220**	**19,949**	**5,183**	**20,435**	**47,834**	**484**	**260**	**221**	**83**
	GRAND TOTAL		**166,042**			**73,452**		**484**	**260**	**221**	**83**

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CONCRETE ITEMS CONT'D

		CAT 0040 505.0600 BAR STEEL REINFORCEMENT HS COATED STRUCTURES	CAT 0010 602.0815 CONCRETE DRIVEWAY 7-INCH	CAT 0050 602.0815 CONCRETE DRIVEWAY 7-INCH	CAT 0010 602.1500 CONCRETE STEPS	CAT 0010 620.0100 CONCRETE CORRUGATED MEDIAN	CAT 0010 620.0300 MEDIAN SLOPED NOSE
STATION TO STATION		LB	SY	SY	SF	SF	SF
ID 6145-01-73	USH 12 - NB (STAGE 3)						
	604+98.75 - 615+00	456	65	-	-	-	-
	615+00 - 626+00	933	154	-	-	-	-
	626+00 - 637+00	732	107	-	-	-	24
	637+00 - 647+50	849	100	-	-	-	-
	647+50 - 654+75	502	72	-	-	-	-
	E HIAWATHA DR	-	-	-	-	-	-
	E LAKE AVE	-	-	-	-	-	-
	NB SUBTOTAL	3,472	498	0	0	0	24
	USH 12 - SB (STAGE 4, 5 & 6)						
	604+98.75 - 615+00	446	66	-	-	-	22
	615+00 - 626+00	444	62	-	-	-	99
	626+00 - 637+00	200	51	-	-	-	-
	637+00 - 647+50	836	67	-	-	-	20
	647+50 - 654+75	744	107	-	-	-	-
	W HIAWATHA DR	-	-	-	-	-	-
	WINNEBAGO LN	-	-	-	-	-	-
	W LAKE AVE	-	-	-	-	-	-
	SB SUBTOTAL	2,670	353	0	0	0	141
	ID 6145-01-73 TOTAL	6,142	851	0	0	0	165
ID 6145-01-72	USH 12 - NB (STAGE 1 & 3)						
	654+75 - 666+50	741	125	-	40	-	20
	666+50 - 677+50	1,336	191	-	-	-	-
	677+50 - 688+50	753	108	-	-	-	-
	668+50 - 700+50	947	135	-	-	-	-
	NB SUBTOTAL	3,777	559	0	40	0	20
	USH 12 - SB (STAGE 2, 4 & 6)						
	654+75 - 666+50	865	111	-	-	-	242
	666+50 - 677+50	-	-	-	-	-	-
	677+50 - 688+50	614	-	92	-	-	99
	668+50 - 700+50	383	-	58	-	-	-
	PILGRIM DR	-	-	-	-	-	-
	SB SUBTOTAL	1,862	111	150	0	0	341
	ID 6145-01-72 TOTAL	5,639	670	150	40	0	361
ID 6145-01-74	USH 12 - NB (STAGE 1)						
	700+50 - 710+50	176	25	-	-	-	-
	710+50 - 720+00	805	162	-	-	-	20
	720+00 - 731+00	279	40	-	-	-	20
	731+00 - 742+91.59	620	99	-	-	-	179
	CTH A	-	-	-	-	-	-
	NB SUBTOTAL	1,880	326	0	0	0	219
	USH 12 - SB (STAGE 2 & 3)						
	700+50 - 710+50	176	-	122	-	-	57
	710+50 - 720+00	753	72	-	-	-	13
	720+00 - 731+00	-	-	-	-	40	23
	731+00 - 742+91.59	-	55	-	-	-	154
	SB SUBTOTAL	929	127	122	0	40	247
	ID 6145-01-74 TOTAL	2,809	453	122	0	40	466
	CATEGORY TOTAL	**14,590**	**1,974**	**272**	**40**	**40**	**992**
	GRAND TOTAL	**14,590**	**2,246**		**40**	**40**	**992**

ID 6145-01-73

STORM SEWER PIPES

FROM		TO	CAT 0010 520.8000 CONCRETE COLLARS FOR PIPE EACH	CAT 0010 608.0005 STORM SEWER ROCK EXCAVATION CY	CAT 0010 608.0312 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 12-INCH LF	CAT 0010 608.0315 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 15-INCH LF	CAT 0010 608.0318 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 18-INCH LF	CAT 0010 608.0321 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 21-INCH LF	CAT 0010 608.0324 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 24-INCH LF	CAT 0010 608.0327 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 27-INCH LF	CAT 0010 608.0330 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 30-INCH LF	CAT 0010 608.0336 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 36-INCH LF	CAT 0010 608.0418 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 18-INCH LF	CAT 0010 608.0430 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 30-INCH LF	CAT 0010 608.2424 STORM SEWER PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL CLASS HE-IV 24X38-INCH LF	CAT 0010 608.3024 STORM SEWER PIPE CLASS III-A 24-INCH LF	CAT 0010 612.0204 PIPE UNDERDRAIN UNPERFORATED 4-INCH LF	INLET ELEVATION	DISCHARGE ELEVATION	SLOPE FT/FT
12	-	13													90			872.72	870.15	0.0286
12A	-	12B			24													874.23	874.11	0.0049
12B	-	12C			6													874.01	873.98	0.0050
12C	-	12			23													873.88	873.77	0.0047
Ex. Pipe	-	12	1												36			873.86	872.82	0.0287
13	-	Ex. Pipe	1												7			870.05	869.85	0.0303
14	-	Ex. Pipe	1												6			868.11	867.90	0.0350
14A	-	14B			35													869.44	869.27	0.0048
14B	-	14			26													869.17	869.04	0.0050
15	-	Ex. Pipe	1				31											864.38	863.00	0.0446
16A	-	16			17													862.43	862.26	0.0100
16B	-	16A			15													862.60	862.53	0.0047
17	-	17B	1													12		860.80	860.33	0.0397
17A	-	17			20													862.25	862.05	0.0100
18	-	18B	1													12		860.60	860.13	0.0403
18A	-	18			20													862.09	861.89	0.0100
20	-	19		14.2							40							866.28	865.48	0.0202
20A	-	20			28													868.03	867.89	0.0050
21	-	20		32.5							75							868.28	866.78	0.0200
21A	-	21		2.7	28													870.27	869.79	0.0171
21B	-	21		4.5	19													869.97	869.86	0.0058
22	-	21		421.6							350							875.16	869.04	0.0175
22A	-	22B		4.2		25												884.31	884.11	0.0080
22B	-	22D		8.5		33												884.01	883.68	0.0100
22C	-	22D		1.2	10													885.05	884.85	0.0198
22D	-	22E		5.4			25											883.38	883.13	0.0100
22E	-	22		5.3			40											882.83	882.43	0.0100
22F	-	22G		9.8	51													883.96	883.35	0.0120
22G	-	22		4.7	21													882.47	882.37	0.0050
23	-	22										315						876.83	875.26	0.0050
23A	-	23B			19													887.01	886.92	0.0047
23B	-	23C			16													886.82	886.74	0.0050
23C	-	23D					41											886.39	886.14	0.0061
23D	-	23					82											885.94	885.12	0.0100
23E	-	23			18													885.75	885.66	0.0050
23EX	-	23C				47												887.06	886.64	0.0089
24	-	23										400						878.53	876.93	0.0040
24A	-	24			40													884.74	884.50	0.0060
24B	-	24			19													884.60	884.50	0.0050
25	-	24										125						879.07	878.63	0.0035
25A	-	25B			10													882.96	882.91	0.0050
25B	-	25					40											882.21	882.01	0.0050
25C	-	25B					25											882.61	882.51	0.0040
25D	-	25E			10													883.19	883.14	0.0050
25E	-	25				19												882.64	882.55	0.0047
25F	-	25E			10													883.19	883.09	0.0100
26	-	25									157							882.61	881.35	0.0080
26A	-	26			40													884.51	884.31	0.0050
26B	-	26C			10													884.48	884.43	0.0050
26C	-	26			18													884.24	884.15	0.0050

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STORM SEWER PIPES CONT'D

FROM		TO	CAT 0010 520.8000 CONCRETE COLLARS FOR PIPE EACH	CAT 0010 608.0005 STORM SEWER ROCK EXCAVATION CY	CAT 0010 608.0312 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 12-INCH LF	CAT 0010 608.0315 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 15-INCH LF	CAT 0010 608.0318 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 18-INCH LF	CAT 0010 608.0321 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 21-INCH LF	CAT 0010 608.0324 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 24-INCH LF	CAT 0010 608.0327 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 27-INCH LF	CAT 0010 608.0330 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 30-INCH LF	CAT 0010 608.0336 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 36-INCH LF	CAT 0010 608.0418 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 18-INCH LF	CAT 0010 608.0430 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 30-INCH LF	CAT 0010 608.2424 STORM SEWER PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL CLASS HE-IV 24X38-INCH LF	CAT 0010 608.3024 STORM SEWER PIPE CLASS III-A 24-INCH LF	CAT 0010 612.0204 PIPE UNDERDRAIN UNPERFORATED 4-INCH LF	INLET ELEVATION	DISCHARGE ELEVATION	SLOPE FT/FT
27	-	26									133								884.04	882.71	0.0100
27A	-	27			40														886.82	886.62	0.0050
27B	-	27C			8														886.87	886.83	-0.0050
27C	-	27			18														886.60	886.51	0.0049
28	-	27									158								888.82	884.87	0.0250
28A	-	28												43					891.80	891.59	0.0049
28B	-	28C			10														891.64	891.59	0.0050
28C	-	28			19														891.39	891.29	0.0050
29	-	28							241										897.75	889.32	0.0350
29A	-	29				40													902.73	902.49	0.0060
29B	-	29			19														902.49	902.40	0.0050
30	-	29							206										908.10	900.89	0.0350
30A	-	30			62														910.03	909.10	0.0150
30B	-	30A			17														910.73	910.53	0.0116
30C	-	30B			23														910.99	910.83	0.0071
31	-	30							103										909.80	908.77	0.0100
31A	-	31			19														910.75	910.65	0.0050
32	-	31							136										911.59	910.91	0.0050
32A	-	32			60														913.45	912.55	0.0149
32B	-	32A			31														914.28	913.85	0.0139
32C	-	32B			28														914.52	914.38	-0.0049
32D	-	32				19													913.13	913.04	0.0047
33	-	32							140										913.10	912.40	0.0050
33A	-	33				19													913.94	913.85	0.0047
34	-	33							111										913.88	913.33	0.0050
34A	-	34B			23														915.65	915.54	0.0048
34B	-	34			59														915.44	914.88	0.0095
35	-	305				96													912.10	909.80	0.0240
35A	-	35B			21														915.68	915.58	0.0050
35B	-	35D			22														915.10	914.99	0.0050
35C	-	35B			43														915.42	915.20	0.0050
35D	-	35F				86													914.66	913.80	0.0100
35E	-	35F			10														913.91	913.76	0.0150
35F	-	35G					49												913.30	912.93	0.0075
35G	-	35										66							912.83	912.20	0.0095
35H	-	35D			30														915.31	914.95	0.0120
36	-	37							294										909.75	906.22	0.0120
36A	-	36B			40														914.03	913.83	0.0051
36B	-	36			96														913.63	910.75	0.0299
37	-	38							303										906.03	892.62	0.0443
37A	-	37B				18													908.70	908.34	0.0200
37B	-	37				39													907.75	907.09	0.0168
37C	-	37				19													906.96	906.85	0.0058
38	-	39							132										892.39	887.11	0.0400

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STORM SEWER PIPES CONT'D

FROM	-	TO	CAT 0010 520.8000 CONCRETE COLLARS FOR PIPE EACH	CAT 0010 608.0005 STORM SEWER ROCK EXCAVATION CY	CAT 0010 608.0312 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 12-INCH LF	CAT 0010 608.0315 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 15-INCH LF	CAT 0010 608.0318 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 18-INCH LF	CAT 0010 608.0321 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 21-INCH LF	CAT 0010 608.0324 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 24-INCH LF	CAT 0010 608.0327 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 27-INCH LF	CAT 0010 608.0330 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 30-INCH LF	CAT 0010 608.0336 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 36-INCH LF	CAT 0010 608.0418 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 18-INCH LF	CAT 0010 608.0430 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 30-INCH LF	CAT 0010 608.2424 STORM SEWER PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL CLASS HE-IV 24X38-INCH LF	CAT 0010 608.3024 STORM SEWER PIPE CLASS III-A 24-INCH LF	CAT 0010 612.0204 PIPE UNDERDRAIN UNPERFORATED 4-INCH LF	INLET ELEVATION	DISCHARGE ELEVATION	SLOPE FT/FT
38A	-	38B			59														900.42	897.47	0.0500
38B	-	38C				26													896.47	895.98	0.0186
38C	-	38D				27													895.68	895.14	0.0201
38D	-	38E					24												894.68	894.08	0.0246
38E	-	38						44											893.26	892.64	0.0141
38F	-	38E			33														893.97	893.82	0.0045
38G	-	38E			19														897.19	896.62	0.0305
Ex. Pipe	-	38F															17		897.20	895.07	0.1290
Ex. Pipe	-	38F															17		897.20	895.07	0.1292
38H	-	38I			57														896.99	894.71	0.0400
38I	-	38			19														894.21	893.93	0.0147
39	-	40							177										883.94	878.10	0.0330
39A	-	39			40														887.94	887.74	0.0050
39B	-	39			19														886.70	886.32	0.0200
40	-	41								143									875.10	871.10	0.0280
40A	-	40				40													878.88	878.40	0.0120
40B	-	40C			20														883.90	883.00	0.0450
40C	-	40D			77														882.90	879.44	0.0449
40D	-	40				18													877.44	877.13	0.0170
41	-	Match Point								10									868.39	868.11	0.0280
41A	-	41B			10														871.84	871.54	0.0300
41B	-	41			40														870.54	870.06	0.0120
41C	-	41				18													873.10	872.74	0.0197
		TOTALS	6	514.6	1644	589	357	44	1843	153	913	840	66	43	139	24	34				

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STORM SEWER PIPES

FROM	-	TO	CAT 0010 520.8000 CONCRETE COLLARS FOR PIPE EACH	CAT 0010 608.0005 STORM SEWER ROCK EXCAVATION CY	CAT 0010 608.0312 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 12-INCH LF	CAT 0010 608.0315 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 15-INCH LF	CAT 0010 608.0318 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 18-INCH LF	CAT 0010 608.0324 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 24-INCH LF	CAT 0010 608.0327 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 27-INCH LF	CAT 0010 608.0330 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 30-INCH LF	CAT 0010 608.0336 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 36-INCH LF	CAT 0010 608.0342 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 42-INCH LF	CAT 0010 608.0354 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 54-INCH LF	CAT 0010 608.0360 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 60-INCH LF	CAT 0010 608.2319 STORM SEWER PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL CLASS HE-III 19X30-INCH LF	CAT 0010 608.2324 STORM SEWER PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL CLASS HE-III 24X38-INCH LF	CAT 0010 608.2329 STORM SEWER PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL CLASS HE-III 29X45-INCH LF	CAT 0010 612.0206 PIPE UNDERDRAIN UNPERFORATED 6-INCH LF	INLET ELEVATION	DISCHARGE ELEVATION	SLOPE FT/FT
Match Point	-	51							135										868.11	864.33	0.0280
51	-	55							115										862.33	859.11	0.0280
51A	-	51			15														864.98	864.83	0.0098
52A	-	52B			10														866.59	866.11	0.0495
52B	-	52C			10														866.01	865.53	0.0495
52C	-	52D			34														865.43	863.80	0.0479
52D	-	52E				37													862.60	861.86	0.0199
52E	-	310				26													860.66	860.14	0.0201
52F	-	52D			12														863.02	862.96	0.0050
52G	-	52E																21	863.84	863.63	0.0100
Ex. Pipe	-	54	1							8									857.58	857.00	0.0729
54A	-	54				34													857.47	857.20	0.0080
54B	-	54A			24														857.96	857.72	0.0099
54C	-	54B			11														858.17	858.06	0.0102
55	-	Ex. Pipe	1							8									856.80	856.49	0.0388
55A	-	55			12														860.97	860.86	0.0093
56	-	57						57											852.97	852.69	0.0049
56A	-	56B					20												856.20	856.00	0.0100
56B	-	56C					84												855.50	854.66	0.0100
56C	-	56D					24												854.16	853.92	0.0099
56D	-	56E					6												853.82	853.76	0.0104
56E	-	56					19												853.66	853.45	0.0113
56F	-	56			18														855.26	854.72	0.0304
57	-	58								110									852.19	851.09	0.0100
57A	-	57B					21												853.78	853.57	0.0102
57B	-	57					80												853.47	852.67	0.0099
58	-	59								67									850.99	850.32	0.0100
58A	-	58B				13													852.30	852.25	0.0039
58B	-	58C				24													852.15	852.01	0.0058
58C	-	58E				18													851.91	851.78	0.0074
58D	-	58E			10														853.06	853.01	0.0050
58E	-	58				7													851.68	851.61	0.0103
58F	-	58			17														853.25	852.91	0.0204
59	-	59G	1												15				848.20	848.12	0.0053
59A	-	59C					16												851.48	851.16	0.0200
59B	-	59C			20														852.22	852.02	0.0100
59C	-	59F						37											850.66	850.29	0.0099
59D	-	59C			20														852.22	852.02	0.0100
59E	-	59F			19														854.01	853.92	0.0047
59F	-	59						14											850.19	850.05	0.0100
59H	-	59A				46													852.50	852.04	0.0100
311	-	59								78									851.41	850.42	0.0126
60A	-	60B			29														853.49	853.29	0.0069
60B	-	60C				29													853.25	853.11	0.0048
60C	-	60D				8													852.85	852.81	0.0053
60D	-	60				17													852.71	852.63	0.0050

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STORM SEWER PIPES CONT'D

FROM	-	TO	CAT 0010 520.8000 CONCRETE COLLARS FOR PIPE EACH	CAT 0010 608.0005 STORM SEWER ROCK EXCAVATION CY	CAT 0010 608.0312 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 12-INCH LF	CAT 0010 608.0315 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 15-INCH LF	CAT 0010 608.0318 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 18-INCH LF	CAT 0010 608.0324 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 24-INCH LF	CAT 0010 608.0327 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 27-INCH LF	CAT 0010 608.0330 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 30-INCH LF	CAT 0010 608.0336 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 36-INCH LF	CAT 0010 608.0342 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 42-INCH LF	CAT 0010 608.0354 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 54-INCH LF	CAT 0010 608.0360 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 60-INCH LF	CAT 0010 608.2319 STORM SEWER PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL CLASS HE-III LF	CAT 0010 608.2324 STORM SEWER PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL CLASS HE-III 24X38-INCH LF	CAT 0010 608.2329 STORM SEWER PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL CLASS HE-III 29X45-INCH LF	CAT 0010 612.0206 PIPE UNDERDRAIN UNPERFORATED 6-INCH LF	INLET ELEVATION	DISCHARGE ELEVATION	SLOPE FT/FT
60E	-	60F			15															853.36	853.21	0.0100
60F	-	60G			15															853.11	852.96	0.0100
60G	-	60				17														852.71	852.63	0.0050
62	-	312		36.1				87												855.83	853.81	0.0232
62A	-	62B		9.4	35															858.74	858.21	0.0150
62B	-	62C		2.9	17															858.11	857.85	0.0150
62C	-	62		1.3	7															857.75	857.63	0.0180
62D	-	62		3.6	18															857.27	857.09	0.0103
63	-	62		86.3				233												861.69	856.33	0.0230
63A	-	63		11.9	41															863.05	862.45	0.0148
63B	-	63		3.5	19															862.81	862.72	0.0049
64	-	63						245												867.43	861.79	0.0230
64A	-	64			40															869.35	868.95	0.0101
64B	-	64				19														868.62	868.35	0.0146
64C	-	64B			17															869.35	869.18	0.0103
64D	-	64B			25															869.24	868.87	0.0148
65	-	64						125												870.40	867.53	0.0230
65A	-	65			40															872.76	871.96	0.0201
65B	-	65				19														871.66	871.48	0.0097
65C	-	65B			76															873.43	871.91	0.0201
66	-	65		20.1				225												874.77	870.50	0.0190
66A	-	66B		1.8	40															878.41	877.60	0.0200
66B	-	66			57															877.33	876.21	0.0198
66C	-	66			19															875.95	875.77	0.0097
66D	-	66C			24															877.97	876.05	0.0816
66E	-	66D			10															884.70	883.70	0.0997
67	-	68		21.2			119													873.80	872.02	0.0150
67A	-	67			40															875.86	875.06	0.0201
67B	-	67				19														874.72	874.27	0.0243
67C	-	67B			70															876.25	875.55	0.0101
68	-	69					106													871.04	867.65	0.0320
68A	-	68B			11															872.82	872.60	0.0201
68B	-	68				19														872.35	872.03	0.0173
69	-	70					196													867.45	860.98	0.0331
69A	-	69			40															869.27	868.47	0.0201
69B	-	69			18															868.13	867.95	0.0097
70	-	70A					40													859.32	857.72	0.0403
70A	-	Ex. Pipe	1				20													857.29	856.49	0.0395
70B	-	70			19															861.40	861.22	0.0097
71	-	72						157												845.53	843.96	0.0100
71A	-	71			43															849.28	847.99	0.0298
71B	-	71			25															848.14	847.57	0.0228
71C	-	71				44														848.82	848.19	0.0142
71D	-	71C			30															849.22	849.07	0.0050
72	-	73						156												842.85	841.29	0.0100
72A	-	72				19														843.99	843.90	0.0049
73	-	73A						40												840.29	839.89	0.0101
73A	-	74						20												839.79	839.59	0.0101
73B	-	73C			11															842.64	842.43	0.0191
73C	-	73				19														841.63	841.29	0.0184

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STORM SEWER PIPES CONT'D

FROM	-	TO	CAT 0010 520.8000 CONCRETE COLLARS FOR PIPE EACH	CAT 0010 608.0005 STORM SEWER ROCK EXCAVATION CY	CAT 0010 608.0312 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 12-INCH LF	CAT 0010 608.0315 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 15-INCH LF	CAT 0010 608.0318 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 18-INCH LF	CAT 0010 608.0324 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 24-INCH LF	CAT 0010 608.0327 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 27-INCH LF	CAT 0010 608.0330 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 30-INCH LF	CAT 0010 608.0336 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 36-INCH LF	CAT 0010 608.0342 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 42-INCH LF	CAT 0010 608.0354 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 54-INCH LF	CAT 0010 608.0360 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 60-INCH LF	CAT 0010 608.2319 STORM SEWER PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL CLASS HE-III 19X30-INCH LF	CAT 0010 608.2324 STORM SEWER PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL CLASS HE-III 24X38-INCH LF	CAT 0010 608.2329 STORM SEWER PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL CLASS HE-III 29X45-INCH LF	CAT 0010 612.0206 PIPE UNDERDRAIN UNPERFORATED 6-INCH LF	INLET ELEVATION	DISCHARGE ELEVATION	SLOPE FT/FT
74A	-	74								31										836.88	836.55	0.0110
75	-	75G										14								838.45	838.38	0.0053
75A	-	75															8			838.95	838.81	0.0170
75B	-	75C			15															841.42	841.27	0.0101
75C	-	75A														60				839.79	839.41	0.0063
75D	-	75C			20															841.43	841.23	0.0101
75E	-	75C													13					841.00	840.04	0.0767
75G	-	74A											217							837.50	836.88	0.0029
75G	-	74A											217							837.50	836.88	0.0029
76	-	75A									197									839.55	838.95	0.0030
76A	-	76			40															842.35	841.55	0.0201
76B	-	76			18															841.63	841.55	0.0043
77	-	76									172									840.51	839.65	0.0050
77A	-	77			40															843.64	842.84	0.0201
77B	-	77			19															842.81	842.70	0.0059
78	-	77								206										845.37	841.35	0.0195
78A	-	78			41															847.82	847.62	0.0049
78B	-	78			19															847.56	847.47	0.0049
79	-	78									175									853.48	847.36	0.0350
79A	-	79			41															857.07	856.87	0.0049
79B	-	79			19															856.83	856.74	0.0049
80	-	79									176									862.64	856.48	0.0350
80A	-	80			41															867.54	867.34	0.0049
80B	-	80					19													866.63	866.35	0.0151
80C	-	80B			11															867.96	867.63	0.0300
Match Point	-	80									118									870.06	864.64	0.0460
		TOTALS	4	198.1	1407	434	770	1865	250	508	369	14	434	15	13	60	8	21				

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STORM SEWER PIPES

FROM	-	TO	CAT 0010 520.8000 CONCRETE COLLARS FOR PIPE LF	CAT 0010 608.0312 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 12-INCH LF	CAT 0010 608.0315 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 15-INCH LF	CAT 0010 608.0318 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 18-INCH LF	CAT 0010 608.0324 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 24-INCH LF	CAT 0010 608.0330 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 30-INCH LF	CAT 0010 608.2334 STORM SEWER PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL C LASS HE-III 34X53-INCH LF	INLET ELEVATION	DISCHARGE ELEVATION	SLOPE FT/FT
		Match										
91	-	Point					89			874.14	870.06	0.0460
91A	-	91		41						879.86	879.66	0.0049
91B	-	91			19					878.75	878.44	0.0168
91C	-	91B		40						882.20	879.00	0.0806
92	-	91					186			887.24	876.14	0.0597
92A	-	92		41						890.93	890.73	0.0049
92B	-	92		19						890.69	890.31	0.0205
93	-	92					207			898.59	888.24	0.0500
93A	-	93B		25						900.86	900.54	0.0128
93B	-	93C		9						900.44	900.32	0.0132
93C	-	93		7						900.22	900.13	0.0138
93D	-	93		19						901.06	900.97	0.0049
94	-	93					148			903.13	899.13	0.0270
94A	-	94B		25						904.52	904.40	0.0048
94B	-	94C		15						904.30	904.23	0.0048
94C	-	94			8					903.98	903.88	0.0122
94D	-	94C		25						905.73	905.33	0.0160
94E	-	94		19						905.65	905.18	0.0245
95A	-	95B		7						905.80	905.73	0.0100
95B	-	95				165				905.22	904.40	0.0050
95C	-	95E		27						905.22	905.08	0.0050
95D	-	95E		23						905.00	904.89	0.0050
95E	-	95		24						904.79	904.55	0.0100
95F	-	95			54					905.02	904.75	0.0050
95G	-	95F		41						905.47	905.27	0.0049
Ex. Pipe	-	96	1			8				902.45	902.40	0.0062
96	-	Ex. Pipe	1			24				902.40	902.14	0.0108
Ex. Pipe	-	97	1			16				900.27	900.10	0.0106
97	-	Ex. Pipe	1			8				900.00	899.87	0.0162
Ex. Pipe	-	98	1			8				895.52	895.40	0.0156
98	-	Ex. Pipe	1			8				895.30	895.02	0.0340
Ex. Pipe	-	99	1			8				885.18	884.90	0.0348
99	-	Ex. Pipe	1			8				883.00	882.59	0.0512
Ex. Pipe	-	100	1			8				870.81	870.40	0.0518
100	-	Ex. Pipe	1			8				867.60	867.19	0.0509
Ex. Pipe	-	101	1			8				854.21	853.80	0.0510
101	-	Ex. Pipe	1			8				852.20	851.77	0.0538
102	-	Ex. Pipe	1				8			839.00	838.67	0.0413
Ex. Pipe	-	103	1				8			833.32	832.99	0.0413
103	-	103B					11			831.30	830.74	0.0494
103B	-	103C					7			829.74	829.39	0.0500
103C	-	103D					28			828.89	827.47	0.0507
103D	-	103E					33			826.97	822.30	0.1450
105A	-	105B		35						827.14	826.96	0.0051
105B	-	105C		27						826.86	826.73	0.0048
105C	-	105D			47					826.48	826.24	0.0051
105E	-	105D		23						827.24	827.12	0.0052
106	-	Ex. Pipe	1						8	824.86	824.84	0.0030
106A	-	106C		49						827.71	827.46	0.0051
106B	-	106C		34						827.71	827.37	0.0100

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STORM SEWER PIPES CONT'D

FROM	-	TO	CAT 0010 520.8000 CONCRETE COLLARS FOR PIPE LF	CAT 0010 608.0312 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 12-INCH LF	CAT 0010 608.0315 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 15-INCH LF	CAT 0010 608.0318 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 18-INCH LF	CAT 0010 608.0324 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 24-INCH LF	CAT 0010 608.0330 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 30-INCH LF	CAT 0010 608.2334 STORM SEWER PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL C LASS HE-III 34X53-INCH LF	INLET ELEVATION	DISCHARGE ELEVATION	SLOPE FT/FT
106C	-	106D		5						827.27	827.22	0.0095
106D	-	106E			51					826.93	826.67	0.0051
106E	-	106			26					826.57	826.44	0.0051
108A	-	108			19					826.82	826.76	0.0032
Ex. Pipe	-	108A	1	10						827.12	827.07	0.0050
111A	-	111		14						829.98	829.87	0.0076
111B	-	111		13						830.12	830.05	0.0054
Ex. Pipe	-	111	1					6		827.14	827.07	0.0127
CATEGORY 0010 TOTAL			17	617	224	285	725	6	8			

*NON-BID ITEM: FOR INFORMATION ONLY

ID 6145-01-74

STORM SEWER PIPES

FROM	-	TO	CAT 0040 520.8000 CONCRETE COLLARS FOR PIPE LF	CAT 0040 608.0005 STORM SEWER ROCK EXCAVATION CY	CAT 0040 608.0312 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 12-INCH LF	CAT 0040 608.2334 STORM SEWER PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL C LASS HE-III 34X53-INCH LF	INLET ELEVATION	DISCHARGE ELEVATION	SLOPE FT/FT
96A	-	96			20		902.65	902.55	0.0051
96B	-	96			23		903.14	902.91	0.0100
96C	-	96B			5		903.29	903.24	0.0100
96D	-	96C			28		903.67	903.39	0.0100
97A	-	97			27		901.37	901.10	0.0100
97B	-	97			10		901.66	901.56	0.0100
97C	-	97B			5		902.10	902.05	0.0100
97D	-	97C			33		902.53	902.20	0.0100
98A	-	98B		7.2	26		898.47	898.21	0.0100
98B	-	98			30		898.11	897.85	0.0100
98C	-	98		10.1	45		900.15	899.75	0.0100
99A	-	99			29		888.52	888.23	0.0099
99B	-	99			18		887.90	887.72	0.0102
99C	-	99B		8.4	28		888.28	888.00	0.0100
100A	-	100			30		873.97	873.67	0.0102
100B	-	100			18		872.77	872.59	0.0103
100C	-	100B		5.2	28		873.15	872.87	0.0100
101A	-	101			29		856.85	856.56	0.0099
101B	-	101			18		856.06	855.88	0.0102
101C	-	101B		6.9	28		856.44	856.16	0.0100
102A	-	102		8.6	17		841.58	841.41	0.0100
102B	-	102A		9.6	30		841.98	841.68	0.0099
103A	-	103			29		834.82	834.53	0.0099
Ex. Pipe	-	Ex. Pipe	2			16	825.47	825.41	0.0033
CATEGORY 0040 TOTAL			2	56	554	16			

*NON-BID ITEM: FOR INFORMATION ONLY

ID 6145-01-73

STORM SEWER STRUCTURES

STRUCTURE	STATION	OFFSET*	CAT 0010 611.0530 MANHOLE COVERS TYPE J EACH	CAT 0010 611.0624 INLET COVERS TYPE H EACH	CAT 0010 611.0639 INLET COVERS TYPE H-S EACH	CAT 0010 611.0648 INLET COVERS TYPE R EACH	CAT 0010 611.0652 INLET COVERS TYPE T EACH	CAT 0010 611.0666 INLET COVERS TYPE Z EACH	CAT 0010 611.2004 MANHOLES 4-FT DIAMETER EACH	CAT 0010 611.2005 MANHOLES 5-FT DIAMETER EACH	CAT 0010 611.2006 MANHOLES 6-FT DIAMETER EACH	CAT 0010 611.3003 INLETS 3-FT DIAMETER EACH	CAT 0010 611.3004 INLETS 4-FT DIAMETER EACH	CAT 0010 611.3220 INLETS 2X2-FT EACH	CAT 0010 611.3225 INLETS 2X2.5-FT EACH	CAT 0010 611.3230 INLETS 2X3-FT EACH	CAT 0010 611.8110 ADJUSTING MANHOLE COVERS EACH	CAT 0010 611.8115 ADJUSTING INLET COVERS EACH	CAT 0010 650.4000 CONSTRUCTION STAKING STORM SEWER EACH	CAT 0010 SPV.0060.002 STORM SEWER PIPE CLASS III-A 24-INCH DIAMETER 45 DEGREE ELBOW EACH	CAT 0010 SPV.0060.03 DOUBLE INLETS EACH	CAT 0010 SPV.0060.04 INLET COVERS TYPE SP EACH	RIM** ELEVATION	INVERT*** ELEVATION	DEPTH**** FT
12	607+07.00	22.50' RT		1						1									1				877.66	872.72	4.42
12A	607+08.00	31.00' LT		1												1			1				877.72	874.23	2.66
12B	607+07.00	6.75' LT						1				1							1				877.95	874.01	3.03
12C	607+07.00	0.75' LT						1				1							1				878.12	873.88	3.33
13	607+96.00	22.50' RT		1						1									1				874.37	870.05	3.80
14	608+53.00	22.85' RT	1							1									1				872.27	868.11	3.24
14A	608+24.24	48.00' RT		1												1			1				873.44	869.44	3.16
14B	608+59.41	48.00' RT		1												1			1				872.73	869.17	2.73
15	609+59.00	22.50' RT		1						1									1				868.29	864.38	3.58
16	611+08.00	23.50' RT			1											1			1				865.72	861.30	3.47
16A	611+25.00	23.50' RT			1											1			1				865.74	862.43	2.47
16B	611+40.00	23.50' RT			1											1			1				865.81	862.60	2.37
17	611+06.00	23.50' LT			1											1			1				865.72	860.80	4.17
17A	610+86.00	23.50' LT		1												1			1				865.79	862.25	2.70
17B	611+08.00	35.16' LT																		1				860.33	
18	611+18.00	23.50' LT			1											1			1				865.72	860.60	4.37
18A	611+38.00	23.50' LT		1												1			1				865.79	862.09	2.87
18B	611+18.40	35.16' LT																		1				860.13	
19	613+07.94	33.44' RT	1							1									1				870.72	865.05	4.70
20	613+35.00	4.50' RT	1							1									1				871.40	866.28	4.18
20A	613+35.00	23.50' LT																	1		1	1	871.03	868.03	2.67
21	614+10.00	4.53' RT	1							1									1				874.34	868.28	5.12
21A	614+10.00	23.50' LT																	1		1	1	873.97	870.27	3.37
21B	614+10.00	23.50' RT																	1		1	1	873.97	869.97	3.67
22	617+60.00	4.51' RT	1							1									1				887.16	875.16	11.05
22A	618+28.00	35.50' LT																	1		1	1	888.31	884.31	3.69
22B	618+08.54	51.00' LT		1												1			1				888.79	884.01	3.96
22C	617+74.41	65.00' LT		1												1			1				888.98	885.05	3.09
22D	617+75.67	55.00' LT		1									1						1				888.31	883.38	4.14
22E	617+60.00	35.50' LT																	1		1	1	887.03	882.83	3.91
22F	618+19.00	22.75' RT						1				1							1				887.96	883.96	3.08
22G	617+68.00	23.50' RT		1												1			1				886.98	882.47	3.67
23	620+74.98	4.96' RT	1							1									1				889.98	876.83	12.24
23A	621+35.90	44.60' LT						1					1						1				890.00	887.01	2.08
23B	621+27.01	61.57' LT						1					1						1				889.87	886.82	2.13
23C	621+25.92	77.52' LT		1												1			1				890.33	886.39	3.15
23D	620+84.62	76.52' LT		1									1						1				890.28	885.94	3.55
23E	620+77.00	22.75' RT						1				1							1				889.65	885.75	2.98
24	624+74.98	4.50' RT	1							1									1				888.37	878.53	8.93
24A	624+74.99	35.50' LT		1												1			1				888.24	884.74	2.66
24B	624+74.99	23.50' RT		1												1			1				888.00	884.60	2.56
25	625+99.99	4.50' RT	1								1								1				887.21	879.07	7.23
25A	625+89.99	35.49' LT			1											1			1				887.13	882.96	3.34
25B	625+99.99	35.49' LT			1								1						1				887.10	882.21	4.10
25C	626+24.99	35.49' LT		1									1						1				887.07	882.61	3.67
25D	625+89.99	23.50' RT			1											1			1				886.84	883.19	2.82
25E	625+99.99	23.50' RT			1											1			1				886.77	882.64	3.31
25F	626+09.99	23.50' RT			1											1			1				886.79	883.19	2.77
26	627+57.00	4.78' RT	1						1										1				888.13	882.61	4.58
26A	627+56.99	35.50' LT																	1		1	1	888.35	884.51	3.51
26B	627+66.99	22.75' RT						1				1							1				887.93	884.48	2.54
26C	627+56.99	22.75' RT						1				1							1				887.79	884.24	2.63

ID 6145-01-73

STORM SEWER STRUCTURES CONT'D

STRUCTURE	STATION	OFFSET*	CAT 0010 611.0530 MANHOLE COVERS TYPE J EACH	CAT 0010 611.0624 INLET COVERS TYPE H EACH	CAT 0010 611.0639 INLET COVERS TYPE H-S EACH	CAT 0010 611.0648 INLET COVERS TYPE R EACH	CAT 0010 611.0652 INLET COVERS TYPE T EACH	CAT 0010 611.0666 INLET COVERS TYPE Z EACH	CAT 0010 611.2004 MANHOLES 4-FT DIAMETER EACH	CAT 0010 611.2005 MANHOLES 5-FT DIAMETER EACH	CAT 0010 611.2006 MANHOLES 6-FT DIAMETER EACH	CAT 0010 611.3003 INLETS 3-FT DIAMETER EACH	CAT 0010 611.3004 INLETS 4-FT DIAMETER EACH	CAT 0010 611.3220 INLETS 2X2-FT EACH	CAT 0010 611.3225 INLETS 2X2.5-FT EACH	CAT 0010 611.3230 INLETS 2X3-FT EACH	CAT 0010 611.8110 ADJUSTING MANHOLE COVERS EACH	CAT 0010 611.8115 ADJUSTING INLET COVERS EACH	CAT 0010 650.4000 CONSTRUCTION STAKING STORM SEWER EACH	CAT 0010 SPV.0060.002 STORM SEWER PIPE CLASS III-A 24-INCH DIAMETER 45 DEGREE ELBOW EACH	CAT 0010 SPV.0060.03 DOUBLE INLETS EACH	CAT 0010 SPV.0060.04 INLET COVERS TYPE SP EACH	RIM** ELEVATION	INVERT*** ELEVATION	DEPTH**** FT
27	628+89.99	4.48' RT	1							1									1				890.95	884.04	5.96
27A	628+89.99	35.50' LT																	1		1	1	891.16	886.82	4.00
27B	628+81.99	22.75' RT						1				1							1				890.37	886.87	2.59
27C	628+89.99	22.75' RT						1					1						1				890.60	886.60	3.08
28	630+47.99	4.50' RT	1								1								1				896.67	888.82	6.90
28A	630+64.49	35.50' LT																	1		1	1	897.23	891.80	5.23
28B	630+31.99	22.75' RT						1				1							1				895.64	891.64	3.08
28C	630+41.99	22.75' RT						1				1							1				896.06	891.39	3.75
29	632+88.99	4.50' RT	1							1									1				906.86	897.75	8.12
29A	632+88.99	35.50' LT																	1		1	1	906.21	902.21	3.50
29B	632+88.99	23.50' RT																	1		1	1	906.49	902.49	3.67
30	634+94.99	5.00' RT	1							1									1				914.28	908.10	5.19
30A	634+97.09	57.06' LT		1												1			1				914.91	910.03	4.05
30B	635+12.88	50.25' LT		1												1			1				915.25	910.73	3.69
30C	635+29.99	35.50' LT																	1		1	1	914.99	910.99	3.67
31	635+97.99	4.50' RT	1							1									1				916.36	909.80	5.57
31A	635+97.99	23.50' RT		1												1			1				915.99	910.75	4.41
32	637+33.99	4.50' RT	1							1									1				917.50	911.59	4.92
32A	637+35.00	55.87' LT		1												1			1				918.44	913.45	4.15
32B	637+65.99	56.81' LT																	1		1	1	919.18	914.28	4.57
32C	637+83.99	34.75' LT						1				1							1				918.27	914.52	2.83
32D	637+33.99	23.50' RT		1												1			1				917.13	913.13	3.19
33	638+73.99	4.50' RT	1							1									1				918.31	913.10	4.22
33A	638+73.99	23.50' RT																	1		1	1	917.94	913.94	3.68
34	639+84.99	4.50' RT	1							1									1				918.83	913.88	3.96
34A	640+15.34	52.05' LT		1												1			1				919.65	915.65	3.17
34B	639+92.40	53.95' LT																	1		1	1	919.72	915.44	3.95
35	643+77.02	22.00' RT	1						1										1				915.71	912.10	2.55
35A	642+21.43	82.00' LT				1								1					1				918.73	915.68	2.13
35B	642+27.32	62.00' LT	1						1										1				918.77	914.67	2.85
35C	641+93.97	36.56' LT		1												1			1				919.30	915.42	3.05
35D	642+48.55	62.00' LT				1								1					1				918.19	914.66	2.63
35E	642+49.82	23.50' RT																	1		1	1	917.21	913.91	2.96
35F	642+59.99	23.50' RT		1									1						1				917.10	913.30	3.01
35G	643+09.99	23.50' RT		1						1									1				916.51	912.83	2.65
35H	642+44.73	92.00' LT					1								1				1				918.39	915.31	2.17
36	644+14.99	4.50' RT	1						1										1				915.76	909.75	5.02
36A	643+50.62	81.19' LT		1									1						1				917.08	913.45	2.63
36B	643+87.48	87.49' LT																	1		1	1	917.03	913.45	3.09
37	647+09.99	4.50' RT	1							1									1				911.33	906.03	4.31
37A	647+07.99	52.64' LT																	1		1	1	913.70	908.70	4.69
37B	647+09.99	34.75' LT						1				1							1				912.10	907.56	3.46
37C	647+09.99	23.50' RT																	1		1	1	910.96	906.96	3.69
38	650+12.99	4.50' RT	1								1								1				898.56	892.39	5.18
38A	648+90.99	35.50' LT																	1		1	1	905.20	900.42	4.44
38B	649+49.99	35.50' LT																	1		1	1	901.53	896.47	4.75
38C	649+64.72	57.37' LT		1									1						1				900.88	895.68	4.39
38D	649+91.55	55.43' LT																	1		1	1	899.50	894.68	4.53
38E	650+09.99	39.50' LT	1							1									1				899.12	893.26	4.85
38F	650+43.00	34.75' LT						1				1							1				896.97	893.97	2.09

ID 6145-01-73

STORM SEWER STRUCTURES CONT'D

STRUCTURE	STATION	OFFSET*	CAT 0010 611.0530 MANHOLE COVERS TYPE J EACH	CAT 0010 611.0624 INLET COVERS TYPE H EACH	CAT 0010 611.0639 INLET COVERS TYPE H-S EACH	CAT 0010 611.0648 INLET COVERS TYPE R EACH	CAT 0010 611.0652 INLET COVERS TYPE T EACH	CAT 0010 611.0666 INLET COVERS TYPE Z EACH	CAT 0010 611.2004 MANHOLES 4-FT DIAMETER EACH	CAT 0010 611.2005 MANHOLES 5-FT DIAMETER EACH	CAT 0010 611.2006 MANHOLES 6-FT DIAMETER EACH	CAT 0010 611.3003 INLETS 3-FT DIAMETER EACH	CAT 0010 611.3004 INLETS 4-FT DIAMETER EACH	CAT 0010 611.3220 INLETS 2X2-FT EACH	CAT 0010 611.3225 INLETS 2X2.5-FT EACH	CAT 0010 611.3230 INLETS 2X3-FT EACH	CAT 0010 611.8110 ADJUSTING MANHOLE COVERS EACH	CAT 0010 611.8115 ADJUSTING INLET COVERS EACH	CAT 0010 650.4000 CONSTRUCTION STAKING STORM SEWER EACH	CAT 0010 SPV.0060.002 STORM SEWER PIPE CLASS III-A 24-INCH DIAMETER 45 DEGREE ELBOW EACH	CAT 0010 SPV.0060.03 DOUBLE INLETS EACH	CAT 0010 SPV.0060.04 INLET COVERS TYPE SP EACH	RIM** ELEVATION	INVERT*** ELEVATION	DEPTH**** FT
38G	650+10.99	58.13' LT																						900.57	897.19	2.30
38H	649+55.99	23.50' RT																	1		1	1	900.99	896.99	3.67
38I	650+12.99	23.50' RT																	1		1	1	898.19	894.21	3.64
39	651+44.99	4.50' RT	1							1									1				892.07	883.94	7.14
39A	651+44.99	35.50' LT		1												1			1				891.94	887.94	3.16
39B	651+44.99	23.50' RT																	1		1	1	891.70	886.70	4.66
40	653+21.99	4.50' RT	1							1									1				883.50	875.10	7.43
40A	653+21.99	35.50' LT																	1		1	1	882.88	878.88	3.69
40B	652+25.00	23.50' RT																	1		1	1	887.90	883.90	3.66
40C	652+45.00	23.50' RT																	1		1	1	887.02	882.90	3.78
40D	653+21.99	22.75' RT						1				1							1				883.66	877.44	5.32
41	654+64.99	4.50' RT	1							1									1				876.56	868.39	7.20
41A	654+54.99	35.56' LT																	1		1	1	875.84	871.84	3.67
41B	654+64.99	35.56' LT																	1		1	1	875.34	870.54	4.47
41C	654+64.99	22.75' RT						1				1							1				877.10	873.10	3.11
301	605+21.73	18.12' RT															1						883.27	877.83	4.94
302	605+27.77	31.50' LT																1					884.92	883.76	0.83
303	605+27.30	8.00' LT																1					885.18	884.01	0.83
304	605+27.15	0																1					885.12	883.95	0.83
305	644+00.22	115.12' RT															1						912.52	909.49	1.79
306	643+88.83	117.52' RT																1					912.31	909.93	1.55
			26	29	10	2	1	17	4	23	3	14	10	2	1	28	2	4	114	2	29	29			

REMARKS:

*STATIONS AND OFFSETS ARE TO CENTER OF STRUCTURE

**RIM ELEV IS AT THE INLET COVER FLANGE LOCATION

***FOR STRUCTURES WITH SUMPS, THE INVERT ELEVATION IS THE ELEVATION OF THE SUMP. FOR STRUCTURES WITHOUT SUMPS, THE INVERT ELEVATION IS THE ELEVATION OF THE LOWEST PIPE FLOW LINE

****DEPTH = RIM ELEV - TOP OF STRUCTURE BASE ELEV - COVER HEIGHT - 6-INCH ADJUSTMENT RING HEIGHT

ID 6145-01-72

STORM SEWER STRUCTURES

STRUCTURE	STATION	OFFSET*	CAT 0010 522.2619 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL 19X30-INCH EACH	CAT 0010 611.0420 RECONSTRUCTING MANHOLES EACH	CAT 0010 611.0530 MANHOLE COVERS TYPE J EACH	CAT 0010 611.0624 INLET COVERS TYPE H EACH	CAT 0010 611.0639 INLET COVERS TYPE H-S EACH	CAT 0010 611.0642 INLET COVERS TYPE MS EACH	CAT 0010 611.0645 INLET COVERS TYPE MS-A EACH	CAT 0010 611.0651 INLET COVERS TYPE S EACH	CAT 0010 611.0666 INLET COVERS TYPE Z EACH	CAT 0010 611.2004 MANHOLES 4-FT DIAMETER EACH	CAT 0010 611.2005 MANHOLES 5-FT DIAMETER EACH	CAT 0010 611.2006 MANHOLES 6-FT DIAMETER EACH	CAT 0010 611.2055 MANHOLES 5X5-FT EACH	CAT 0010 611.2066 MANHOLES 6X6-FT EACH	RIM** ELEVATION	INVERT*** ELEVATION	DEPTH**** FT
51	656+09.99	4.51' RT			1								1				869.44	862.33	6.14
51A	656+09.99	10.75' LT									1						868.98	864.98	3.08
52A	655+69.99	38.70' LT															870.09	866.59	3.16
52B	655+79.99	39.00' LT															869.75	865.83	3.43
52C	655+89.99	39.30' LT															869.31	865.19	3.62
52D	656+19.57	57.99' LT				1											867.69	862.60	4.28
52E	656+58.45	56.99' LT				1											866.25	860.66	4.78
52F	656+21.49	69.99' LT					1										867.02	863.02	3.16
52G	656+68.00	76.00' LT								1							865.84	863.84	1.01
53	656+89.14	37.67' LT			1												864.53	859.30	4.69
54	657+20.90	36.36' LT			1												863.10	857.00	5.56
54A	657+54.98	42.72' LT															861.52	857.47	3.74
54B	657+56.96	18.48' LT									1						862.15	857.96	3.28
54C	657+56.98	7.71' LT									1						862.31	858.17	3.22
55	657+24.11	11.59' RT			1									1			864.12	856.80	6.37
55A	657+27.99	22.76' RT									1						864.27	860.97	2.39
56	658+87.94	5.01' RT			1							1					858.74	852.97	4.78
56A	657+95.00	62.00' LT						1									859.20	856.20	3.21
56B	657+99.00	42.42' LT									1						859.96	855.50	3.59
56C	658+85.90	43.51' LT				1											857.70	854.16	2.75
56D	658+87.96	19.26' LT									1						858.49	853.82	3.79
56E	658+87.95	13.51' LT									1						858.27	853.66	3.74
56F	658+87.93	22.76' RT									1						859.27	855.26	3.09
57	659+44.99	5.01' RT			1								1				857.92	852.19	4.78
57A	659+44.99	93.71' LT							1								856.94	853.78	3.37
57B	659+35.85	74.99' LT									1						857.61	853.47	3.26
58	660+54.99	6.05' RT			1								1				857.07	850.99	5.13
58A	660+54.99	55.47' LT			1							1					856.54	852.30	3.18
58B	660+54.99	42.50' LT															856.36	852.15	3.90
58C	660+54.99	18.25' LT									1						856.82	851.91	4.02
58D	660+44.99	0.75' LT									1						857.05	853.06	3.08
58E	660+54.99	0.75' LT									1						856.99	851.68	4.42
58F	660+54.99	22.75' RT									1						857.25	853.25	3.08
59	661+21.99	9.00' RT			1											1	856.68	848.20	8.15
59A	661+21.99	58.50' LT							1								855.74	851.48	4.47
59B	661+01.99	42.50' LT				1											856.26	852.22	3.21
59C	661+21.99	42.50' LT					1										856.26	850.66	4.85
59D	661+41.99	42.50' LT				1											856.29	852.22	3.24
59E	661+07.99	18.25' LT									1						856.72	853.72	1.92
59F	661+21.99	5.04' LT									1						856.77	850.19	5.75
59H	661+68.00	57.74' LT			1							1					856.75	852.50	3.19
59G	661+22.20	28.23' RT																848.12	
60A	662+44.99	42.50' LT															856.89	853.49	3.07
60B	662+15.99	42.50' LT															856.65	853.25	3.09
60C	661+99.99	18.25' LT									1						857.00	852.85	3.25
60D	661+99.99	10.75' LT									1						857.03	852.71	3.42

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ID 6145-01-72

STORM SEWER STRUCTURES CONT'D

STRUCTURE	STATION	OFFSET*	CAT 0010 522.2619 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL 19X30-INCH EACH	CAT 0010 611.0420 RECONSTRUCTING MANHOLES EACH	CAT 0010 611.0530 MANHOLE COVERS TYPE J EACH	CAT 0010 611.0624 INLET COVERS TYPE H EACH	CAT 0010 611.0639 INLET COVERS TYPE H-S EACH	CAT 0010 611.0642 INLET COVERS TYPE MS EACH	CAT 0010 611.0645 INLET COVERS TYPE MS-A EACH	CAT 0010 611.0651 INLET COVERS TYPE S EACH	CAT 0010 611.0666 INLET COVERS TYPE Z EACH	CAT 0010 611.2004 MANHOLES 4-FT DIAMETER EACH	CAT 0010 611.2005 MANHOLES 5-FT DIAMETER EACH	CAT 0010 611.2006 MANHOLES 6-FT DIAMETER EACH	CAT 0010 611.2055 MANHOLES 5X5-FT EACH	CAT 0010 611.2066 MANHOLES 6X6-FT EACH	RIM** ELEVATION	INVERT*** ELEVATION	DEPTH**** FT
60E	661+69.99	22.95' RT				1											856.37	853.36	2.17
60F	661+84.99	22.87' RT					1										856.31	853.11	2.36
60G	661+99.99	22.96' RT				1											856.37	852.71	2.85
62	665+22.00	6.00' RT			1								1				861.61	855.83	4.79
62A	665+24.99	53.40' LT															861.74	858.74	2.66
62B	665+22.00	18.24' LT									1						862.37	858.11	3.35
62C	665+22.00	0.75' LT									1						861.87	857.75	3.20
62D	665+22.12	23.50' RT															861.28	857.27	3.67
63	667+54.99	5.00' RT			1								1				867.17	861.11	4.81
63A	667+54.99	35.50' LT															867.08	863.05	3.69
63B	667+54.99	23.50' RT															866.79	862.81	3.65
64	670+00.00	5.00' RT			1								1				873.01	867.43	4.59
64A	670+00.00	34.75' LT									1						873.35	869.35	3.08
64B	670+00.00	23.50' RT															872.65	868.62	3.71
64C	670+00.00	40.00' RT						1									871.35	869.35	2.17
64D	670+25.00	23.50' RT															873.24	869.24	3.67
65	671+24.99	4.97' RT			1								1				875.98	870.40	4.59
65A	671+24.99	34.78' LT									1						876.76	872.76	3.08
65B	671+24.99	23.47' RT															875.62	871.66	3.65
65C	672+01.02	23.47' RT															877.43	873.43	3.67
66	673+49.99	4.97' RT			1								1				880.30	874.77	4.54
66A	674+18.99	62.50' LT					1										886.25	878.40	7.02
66B	673+89.99	34.78' LT									1						881.32	877.33	3.07
66C	673+49.99	23.47' RT				1											879.93	875.95	3.15
66D	673+50.00	47.00' RT			1							1					889.80	877.97	10.76
66E	673+48.99	56.98' RT						1									890.70	884.70	6.17
67	675+94.99	4.97' RT			1							1					879.07	873.80	4.24
67A	675+94.99	34.78' LT									1						879.85	875.86	3.08
67B	675+94.99	23.47' RT															878.71	874.72	3.68
67C	675+24.99	23.47' RT															880.24	876.25	3.66
68	677+13.98	4.98' RT			1							1					876.08	871.04	4.01
68A	677+02.99	23.47' RT															876.07	872.82	2.92
68B	677+14.00	23.47' RT															875.72	872.35	3.06
69	678+19.98	4.98' RT			1							1					872.49	867.45	4.01
69A	678+19.99	34.77' LT									1						873.27	867.69	4.50
69B	678+19.98	23.48' RT															872.23	868.13	3.78
70	680+16.01	4.93' RT			1							1					865.77	859.32	5.41
70A	680+15.81	34.77' LT									1						866.55	857.29	8.38
70B	680+16.10	23.48' RT															865.40	861.40	3.67
71	684+31.98	5.02' RT			1									1			852.03	845.53	5.51
71A	684+14.98	34.77' LT									1						853.28	849.28	3.08
71B	684+14.98	23.48' RT															852.29	848.14	3.82
71C	684+48.53	46.35' RT															853.26	848.82	4.13
71D	684+78.29	51.40' RT															852.96	848.96	3.50
72	685+88.98	4.99' RT			1								1				848.36	842.85	4.52

ID 6145-01-72

STORM SEWER STRUCTURES CONT'D

STRUCTURE	STATION	OFFSET*	CAT 0010 522.2619 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL 19X30-INCH EACH	CAT 0010 611.0420 RECONSTRUCTING MANHOLES EACH	CAT 0010 611.0530 MANHOLE COVERS TYPE J EACH	CAT 0010 611.0624 INLET COVERS TYPE H EACH	CAT 0010 611.0639 INLET COVERS TYPE H-S EACH	CAT 0010 611.0642 INLET COVERS TYPE MS EACH	CAT 0010 611.0645 INLET COVERS TYPE MS-A EACH	CAT 0010 611.0651 INLET COVERS TYPE S EACH	CAT 0010 611.0666 INLET COVERS TYPE Z EACH	CAT 0010 611.2004 MANHOLES 4-FT DIAMETER EACH	CAT 0010 611.2005 MANHOLES 5-FT DIAMETER EACH	CAT 0010 611.2006 MANHOLES 6-FT DIAMETER EACH	CAT 0010 611.2055 MANHOLES 5X5-FT EACH	CAT 0010 611.2066 MANHOLES 6X6-FT EACH	RIM** ELEVATION	INVERT*** ELEVATION	DEPTH**** FT
72A	685+88.98	23.49' RT																847.72	843.99	3.41
73	687+44.98	4.99' RT			1								1					845.86	840.29	4.58
73A	687+44.98	34.76' LT									1							846.64	839.79	6.01
73B	687+33.91	23.49' RT																845.64	842.64	2.67
73C	687+44.98	23.49' RT																845.50	841.63	3.56
74	687+53.73	52.58' LT			1								1					846.99	836.55	9.53
74A	687+82.98	44.50' LT			1													846.88	836.88	9.29
75	690+10.99	45.00' LT			1											1		845.66	838.45	6.35
75A	690+10.99	37.00' LT					1									1		845.03	838.95	5.22
75B	689+96.02	23.50' RT																843.92	841.42	2.16
75C	690+10.99	23.49' RT																843.89	839.79	3.91
75D	690+30.99	23.50' RT																843.93	841.43	2.17
75E	690+10.99	36.00' RT	1																841.00	
75G	689+98.00	41.00' LT			1													845.68	837.50	7.47
76	692+02.98	5.05' RT			1										1			845.02	839.55	4.56
76A	692+02.98	34.76' LT									1							845.80	842.35	2.53
76B	692+02.98	23.49' RT																844.66	841.63	2.70
77	693+74.98	4.99' RT			1								1					846.17	840.51	4.75
77A	693+74.98	34.76' LT									1							846.95	843.64	2.39
77B	693+74.98	23.49' RT																845.81	842.81	2.66
78	695+80.98	5.00' RT			1								1					851.91	845.37	5.60
78A	695+80.98	35.50' LT				1												851.82	847.82	3.17
78B	695+80.98	23.50' RT																851.55	847.56	3.66
79	697+55.98	5.00' RT			1								1					861.19	853.48	6.72
79A	697+55.98	35.50' LT				1												861.07	857.07	3.17
79B	697+55.98	23.50' RT																860.83	856.83	3.67
80	699+31.98	5.00' RT			1								1					871.66	862.64	8.03
80A	699+31.98	35.50' LT				1												871.54	867.54	3.17
80B	699+31.98	23.50' RT																871.30	866.63	4.38
80C	699+42.98	23.50' RT																871.96	867.96	3.66
310	656+85.42	55.16' LT																865.54	859.60	5.40
311	661+99.99	6.00' RT		1														856.71	851.41	4.35
312	664+34.99	6.00' RT		1														859.61	852.72	5.94
		TOTALS	1	2	32	11	5	3	2	1	29	8	15	3	2	1				

REMARKS:

*STATIONS AND OFFSETS ARE TO CENTER OF STRUCTURE

**RIM ELEV IS AT THE INLET COVER FLANGE LOCATION

***FOR STRUCTURES WITH SUMPS, THE INVERT ELEVATION IS THE ELEVATION OF THE SUMP. FOR STRUCTURES WITHOUT SUMPS, THE INVERT ELEVATION IS THE ELEVATION OF THE LOWEST PIPE FLOW LINE

****DEPTH = RIM ELEV - TOP OF STRUCTURE BASE ELEV - COVER HEIGHT - 6-INCH ADJUSTMENT RING HEIGHT

ID 6145-01-72

STORM SEWER STRUCTURES CONT'D

			CAT 0010 611.3003	CAT 0010 611.3004	CAT 0010 611.3220	CAT 0010 611.3230	CAT 0010 611.3901	CAT 0010 611.8110	CAT 0010 650.4000	CAT 0010 SPV.0060.001	CAT 0010 SPV.0060.003	CAT 0010 SPV.0060.004	CAT 0010 SPV.0060.005			
			INLETS 3-FT DIAMETER	INLETS 4-FT DIAMETER	INLETS 2X2-FT	INLETS 2X3-FT	INLETS MEDIAN 1 GRATE	ADJUSTING MANHOLE COVERS	CONSTRUCTION STAKING STORM SEWER	SSPRC 60-INCH DIAMETER 45 DEGREE ELBOW	DOUBLE INLETS	INLET COVERS TYPE SP	STORM SEWER MANHOLE 15-FT X 4-FT	RIM**	INVERT***	DEPTH****
STRUCTURE	STATION	OFFSET*	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	ELEVATION	ELEVATION	FT
51	656+09.99	4.51' RT							1					869.44	862.33	6.14
51A	656+09.99	10.75' LT	1						1					868.98	864.98	3.08
52A	655+69.99	38.70' LT							1		1	1		870.09	866.59	3.16
52B	655+79.99	39.00' LT							1		1	1		869.75	865.83	3.43
52C	655+89.99	39.30' LT							1		1	1		869.31	865.19	3.62
52D	656+19.57	57.99' LT		1					1					867.69	862.60	4.28
52E	656+58.45	56.99' LT				1			1					866.25	860.66	4.78
52F	656+21.49	69.99' LT				1			1					867.02	863.02	3.16
52G	656+68.00	76.00' LT			1				1					865.84	863.84	1.01
53	656+89.14	37.67' LT												864.53	859.30	4.69
54	657+20.90	36.36' LT												863.10	857.00	5.56
54A	657+54.98	42.72' LT							1		1	1		861.52	857.47	3.74
54B	657+56.96	18.48' LT	1						1					862.15	857.96	3.28
54C	657+56.98	7.71' LT	1						1					862.31	858.17	3.22
55	657+24.11	11.59' RT							1					864.12	856.80	6.37
55A	657+27.99	22.76' RT		1					1					864.27	860.97	2.39
56	658+87.94	5.01' RT							1					858.74	852.97	4.78
56A	657+95.00	62.00' LT					1		1					859.20	856.20	3.21
56B	657+99.00	42.42' LT		1					1					859.96	855.50	3.59
56C	658+85.90	43.51' LT		1					1					857.70	854.16	2.75
56D	658+87.96	19.26' LT		1					1					858.49	853.82	3.79
56E	658+87.95	13.51' LT		1					1					858.27	853.66	3.74
56F	658+87.93	22.76' RT	1						1					859.27	855.26	3.09
57	659+44.99	5.01' RT							1					857.92	852.19	4.78
57A	659+44.99	93.71' LT					1		1					856.94	853.78	3.37
57B	659+35.85	74.99' LT		1					1					857.61	853.47	3.26
58	660+54.99	6.05' RT							1					857.07	850.99	5.13
58A	660+54.99	55.47' LT							1					856.54	852.30	3.18
58B	660+54.99	42.50' LT							1		1	1		856.36	852.15	3.90
58C	660+54.99	18.25' LT	1						1					856.82	851.91	4.02
58D	660+44.99	0.75' LT	1						1					857.05	853.06	3.08
58E	660+54.99	0.75' LT	1						1					856.99	851.68	4.42
58F	660+54.99	22.75' RT	1						1					857.25	853.25	3.08
59	661+21.99	9.00' RT							1					856.68	848.20	8.15
59A	661+21.99	58.50' LT					1		1					855.74	851.48	4.47
59B	661+01.99	42.50' LT				1			1					856.26	852.22	3.21
59C	661+21.99	42.50' LT				1			1					856.26	850.66	4.85
59D	661+41.99	42.50' LT				1			1					856.29	852.22	3.24
59E	661+07.99	18.25' LT	1						1					856.72	853.72	1.92
59F	661+21.99	5.04' LT		1					1					856.77	850.19	5.75
59H	661+68.00	57.74' LT							1					856.75	852.50	3.19
59G	661+22.20	28.23' RT								1					848.12	
60A	662+44.99	42.50' LT							1		1	1		856.89	853.49	3.07
60B	662+15.99	42.50' LT							1		1	1		856.65	853.25	3.09
60C	661+99.99	18.25' LT	1						1					857.00	852.85	3.25
60D	661+99.99	10.75' LT	1						1					857.03	852.71	3.42

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STORM SEWER STRUCTURES CONT'D

			CAT 0010 611.3003	CAT 0010 611.3004	CAT 0010 611.3220	CAT 0010 611.3230	CAT 0010 611.3901	CAT 0010 611.8110	CAT 0010 650.4000	CAT 0010 SPV.0060.001	CAT 0010 SPV.0060.003	CAT 0010 SPV.0060.004	CAT 0010 SPV.0060.005			
			INLETS 3-FT DIAMETER	INLETS 4-FT DIAMETER	INLETS 2X2-FT	INLETS 2X3-FT	INLETS MEDIAN 1 GRATE	ADJUSTING MANHOLE COVERS	CONSTRUCTION STAKING STORM SEWER	SSPRC 60-INCH DIAMETER 45 DEGREE ELBOW	DOUBLE INLETS	INLET COVERS TYPE SP	STORM SEWER MANHOLE 15-FT X 4-FT	RIM**	INVERT***	DEPTH****
STRUCTURE	STATION	OFFSET*	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	ELEVATION	ELEVATION	FT
60E	661+69.99	22.95' RT				1			1					856.37	853.36	2.17
60F	661+84.99	22.87' RT				1			1					856.31	853.11	2.36
60G	661+99.99	22.96' RT				1			1					856.37	852.71	2.85
62	665+22.00	6.00' RT							1					861.61	855.83	4.79
62A	665+24.99	53.40' LT							1		1	1		861.74	858.74	2.66
62B	665+22.00	18.24' LT	1						1					862.37	858.11	3.35
62C	665+22.00	0.75' LT	1						1					861.87	857.75	3.20
62D	665+22.12	23.50' RT							1		1	1		861.28	857.27	3.67
63	667+54.99	5.00' RT							1					867.17	861.11	4.81
63A	667+54.99	35.50' LT							1		1	1		867.08	863.05	3.69
63B	667+54.99	23.50' RT							1		1	1		866.79	862.81	3.65
64	670+00.00	5.00' RT							1					873.01	867.43	4.59
64A	670+00.00	34.75' LT	1						1					873.35	869.35	3.08
64B	670+00.00	23.50' RT							1		1	1		872.65	868.62	3.71
64C	670+00.00	40.00' RT					1		1					871.35	869.35	2.17
64D	670+25.00	23.50' RT							1		1	1		873.24	869.24	3.67
65	671+24.99	4.97' RT							1					875.98	870.40	4.59
65A	671+24.99	34.78' LT	1						1					876.76	872.76	3.08
65B	671+24.99	23.47' RT							1		1	1		875.62	871.66	3.65
65C	672+01.02	23.47' RT							1		1	1		877.43	873.43	3.67
66	673+49.99	4.97' RT							1					880.30	874.77	4.54
66A	674+18.99	62.50' LT				1			1					886.25	878.40	7.02
66B	673+89.99	34.78' LT	1						1					881.32	877.33	3.07
66C	673+49.99	23.47' RT				1			1					879.93	875.95	3.15
66D	673+50.00	47.00' RT							1					889.80	877.97	10.76
66E	673+48.99	56.98' RT					1		1					890.70	884.70	6.17
67	675+94.99	4.97' RT							1					879.07	873.80	4.24
67A	675+94.99	34.78' LT	1						1					879.85	875.86	3.08
67B	675+94.99	23.47' RT							1		1	1		878.71	874.72	3.68
67C	675+24.99	23.47' RT							1		1	1		880.24	876.25	3.66
68	677+13.98	4.98' RT							1					876.08	871.04	4.01
68A	677+02.99	23.47' RT							1		1	1		876.07	872.82	2.92
68B	677+14.00	23.47' RT							1		1	1		875.72	872.35	3.06
69	678+19.98	4.98' RT							1					872.49	867.45	4.01
69A	678+19.99	34.77' LT	1						1					873.27	867.69	4.50
69B	678+19.98	23.48' RT							1		1	1		872.23	868.13	3.78
70	680+16.01	4.93' RT							1					865.77	859.32	5.41
70A	680+15.81	34.77' LT		1					1					866.55	857.29	8.38
70B	680+16.10	23.48' RT							1		1	1		865.40	861.40	3.67
71	684+31.98	5.02' RT							1					852.03	845.53	5.51
71A	684+14.98	34.77' LT	1						1					853.28	849.28	3.08
71B	684+14.98	23.48' RT							1		1	1		852.29	848.14	3.82
71C	684+48.53	46.35' RT							1		1	1		853.26	848.82	4.13
71D	684+78.29	51.40' RT							1		1	1		852.96	848.96	3.50
72	685+88.98	4.99' RT							1					848.36	842.85	4.52

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STORM SEWER STRUCTURES CONT'D

			CAT 0010 611.3003	CAT 0010 611.3004	CAT 0010 611.3220	CAT 0010 611.3230	CAT 0010 611.3901	CAT 0010 611.8110	CAT 0010 650.4000	CAT 0010 SPV.0060.001	CAT 0010 SPV.0060.003	CAT 0010 SPV.0060.004	CAT 0010 SPV.0060.005			
			INLETS 3-FT DIAMETER	INLETS 4-FT DIAMETER	INLETS 2X2-FT	INLETS 2X3-FT	INLETS MEDIAN 1 GRATE	ADJUSTING MANHOLE COVERS	CONSTRUCTION STAKING STORM SEWER	STORM SEWER PIPE CLASS III 60-INCH DIAMETER 45 DEGREE ELBOW	DOUBLE INLETS	INLET COVERS TYPE SP	STORM SEWER MANHOLE 15-FT X 4-FT	RIM**	INVERT***	DEPTH****
STRUCTURE	STATION	OFFSET*	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	ELEVATION	ELEVATION	FT
72A	685+88.98	23.49' RT							1		1	1		847.72	843.99	3.41
73	687+44.98	4.99' RT							1					845.86	840.29	4.58
73A	687+44.98	34.76' LT		1					1					846.64	839.79	6.01
73B	687+33.91	23.49' RT							1		1	1		845.64	842.64	2.67
73C	687+44.98	23.49' RT							1		1	1		845.50	841.63	3.56
74	687+53.73	52.58' LT							1					846.99	836.55	9.53
74A	687+82.98	44.50' LT							1				1	846.88	836.88	9.29
75	690+10.99	45.00' LT							1					845.66	838.45	6.35
75A	690+10.99	37.00' LT							1					845.03	838.95	5.22
75B	689+96.02	23.50' RT							1		1	1		843.92	841.42	2.16
75C	690+10.99	23.49' RT							1		1	1		843.89	839.79	3.91
75D	690+30.99	23.50' RT							1		1	1		843.93	841.43	2.17
75E	690+10.99	36.00' RT							1						841.00	
75G	689+98.00	41.00' LT							1				1	845.68	837.50	7.47
76	692+02.98	5.05' RT							1					845.02	839.55	4.56
76A	692+02.98	34.76' LT	1						1					845.80	842.35	2.53
76B	692+02.98	23.49' RT							1		1	1		844.66	841.63	2.70
77	693+74.98	4.99' RT							1					846.17	840.51	4.75
77A	693+74.98	34.76' LT	1						1					846.95	843.64	2.39
77B	693+74.98	23.49' RT							1		1	1		845.81	842.81	2.66
78	695+80.98	5.00' RT							1					851.91	845.37	5.60
78A	695+80.98	35.50' LT				1			1					851.82	847.82	3.17
78B	695+80.98	23.50' RT							1		1	1		851.55	847.56	3.66
79	697+55.98	5.00' RT							1					861.19	853.48	6.72
79A	697+55.98	35.50' LT				1			1					861.07	857.07	3.17
79B	697+55.98	23.50' RT							1		1	1		860.83	856.83	3.67
80	699+31.98	5.00' RT							1					871.66	862.64	8.03
80A	699+31.98	35.50' LT				1			1					871.54	867.54	3.17
80B	699+31.98	23.50' RT							1		1	1		871.30	866.63	4.38
80C	699+42.98	23.50' RT							1		1	1		871.96	867.96	3.66
310	656+85.42	55.16' LT						1						865.54	859.60	5.40
311	661+99.99	6.00' RT												856.71	851.41	4.35
312	664+34.99	6.00' RT												859.61	852.72	5.94
		TOTALS	21	10	1	13	5	1	118	1	36	36	2			

REMARKS:

*STATIONS AND OFFSETS ARE TO CENTER OF STRUCTURE

**RIM ELEV IS AT THE INLET COVER FLANGE LOCATION

***FOR STRUCTURES WITH SUMPS, THE INVERT ELEVATION IS THE ELEVATION OF THE SUMP. FOR STRUCTURES WITHOUT SUMPS, THE INVERT ELEVATION IS THE ELEVATION OF THE LOWEST PIPE FLOW LINE

****DEPTH = RIM ELEV - TOP OF STRUCTURE BASE ELEV - COVER HEIGHT - 6-INCH ADJUSTMENT RING HEIGHT

ID 6145-01-74

STORM SEWER STRUCTURES

STRUCTURE	STATION	OFFSET*	CAT 0010 611.0530 MANHOLE COVERS TYPE J EACH	CAT 0010 611.0600 INLET COVERS TYPE A EACH	CAT 0010 611.0624 INLET COVERS TYPE H EACH	CAT 0010 611.0639 INLET COVERS TYPE H-S EACH	CAT 0010 611.0642 INLET COVERS TYPE MS EACH	CAT 0010 611.0666 INLET COVERS TYPE Z EACH	CAT 0010 611.2004 MANHOLES 4-FT DIAMETER EACH	CAT 0010 611.2005 MANHOLES 5-FT DIAMETER EACH	CAT 0010 611.2006 MANHOLES 6-FT DIAMETER EACH	CAT 0010 611.2007 MANHOLES 7-FT DIAMETER EACH	CAT 0010 611.2008 MANHOLES 8-FT DIAMETER EACH	CAT 0010 611.3003 INLETS 3-FT DIAMETER EACH	CAT 0010 611.3004 INLETS 4-FT DIAMETER EACH	CAT 0010 611.3230 INLETS 2X3-FT EACH	CAT 0010 611.3901 INLETS MEDIAN 1 GRATE EACH	CAT 0010 611.8115 ADJUSTING INLET COVERS EACH	CAT 0010 650.4000 CONSTRUCTION STAKING STORM SEWER EACH	CAT 0010 SPV.0060.003 DOUBLE INLETS EACH	CAT 0010 SPV.0060.004 INLET COVERS TYPE SP EACH	CAT 0010 SPV.0060.006 STORM SEWER MANHOLE 7-FT X 3-FT EACH	RIM** ELEVATION	INVERT** * ELEVATION	DEPTH*** * FT
91	701+39.00	5.00' RT	1							1									1				883.98	873.64	9.10
91A	701+39.00	35.50' LT			1											1			1				883.86	879.86	3.17
91B	701+39.00	23.50' RT																	1	1	1		883.62	878.75	4.56
91C	701+51.98	61.00' RT					1										1		1				890.20	882.20	8.17
92	703+25.00	5.00' RT	1							1									1				895.05	887.24	6.82
92A	703+25.00	35.50' LT			1											1			1				894.93	890.93	3.16
92B	703+25.00	23.50' RT																	1	1	1		894.69	890.69	3.66
93	705+32.00	5.00' RT	1							1									1				905.44	898.59	5.86
93A	705+32.00	35.60' LT			1											1			1				904.86	900.86	3.17
93B	705+32.00	10.58' LT			1											1			1				905.27	900.44	4.00
93C	705+32.00	1.50' LT			1											1			1				905.53	900.22	4.47
93D	705+32.00	23.50' RT			1											1			1				904.61	901.06	2.72
94	706+80.01	4.97' RT	1							1									1				909.40	903.13	5.28
94A	706+85.00	41.19' LT			1											1			1				908.52	904.52	3.16
94B	706+85.00	16.18' LT			1											1			1				908.94	904.30	3.81
94C	706+85.00	1.50' LT			1											1			1				909.41	903.98	4.62
94D	707+10.00	1.50' LT			1											1			1				909.73	905.73	3.17
94E	706+85.00	23.50' RT			1											1			1				909.65	905.65	3.17
95	714+22.91	24.22' LT	1								1								1				908.66	904.30	3.33
95A	712+50.00	20.50' LT			1										1				1				910.09	905.80	3.45
95B	712+56.45	17.43' LT			1										1				1				909.92	905.22	3.90
95C	713+94.91	48.33' LT			1											1			1				908.28	905.22	2.23
95D	714+18.43	71.50' LT				1										1			1				907.09	905.00	1.26
95E	714+22.90	48.50' LT			1											1			1				908.05	904.79	2.43
95F	713+99.91	24.69' RT		1										1					1				909.71	905.02	3.79
96	717+02.86	28.86' LT	1						1										1				906.44	902.40	3.01
97	719+21.09	21.41' LT	1						1										1				905.55	900.00	4.52
98	722+20.00	18.00' LT			2														1			1	903.30	895.30	7.38
99	725+20.20	19.04' LT			1										1				1				890.65	883.00	6.85
100	727+68.84	18.97' LT			1						1								1				878.62	867.60	10.40
101	730+41.84	19.10' LT			1						1								1				861.47	852.20	8.64
102	732+64.84	19.64' LT			1										1				1				847.28	839.00	7.53
103	734+10.25	19.23' LT	1							1									1				838.77	831.30	6.48
103B	734+13.90	8.50' LT			1											1			1				838.39	829.74	7.90
103C	734+13.90	1.50' LT			1											1			1				838.08	828.89	8.44
103D	734+13.90	26.50' RT			1											1			1				838.03	826.97	10.31
105A	737+25.03	55.50' LT				1										1			1				830.92	827.14	2.95
105B	737+27.01	20.51' LT				1										1			1				831.12	826.86	3.42
105C	737+01.01	13.52' LT				1										1			1				831.19	826.48	3.90
105D	737+02.00	33.52' RT			1											1			1				831.22	826.14	4.27
105E	737+24.84	36.47' RT				1										1			1				831.22	827.24	3.15
106	738+93.00	65.00' RT	1									1							1				832.59	824.86	6.90
106A	738+89.84	64.63' LT			1											1			1				831.65	827.71	3.11
106B	738+56.00	17.81' LT					1							1					1				831.71	827.71	3.08
106C	738+89.84	15.94' LT					1							1					1				832.15	827.27	3.96

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STORM SEWER STRUCTURES CONTD

STRUCTURE	STATION	OFFSET*	CAT 0010 611.0530 MANHOLE COVERS TYPE J EACH	CAT 0010 611.0600 INLET COVERS TYPE A EACH	CAT 0010 611.0624 INLET COVERS TYPE H EACH	CAT 0010 611.0639 INLET COVERS TYPE H-S EACH	CAT 0010 611.0642 INLET COVERS TYPE MS EACH	CAT 0010 611.0666 INLET COVERS TYPE Z EACH	CAT 0010 611.2004 MANHOLES 4-FT DIAMETER EACH	CAT 0010 611.2005 MANHOLES 5-FT DIAMETER EACH	CAT 0010 611.2006 MANHOLES 6-FT DIAMETER EACH	CAT 0010 611.2007 MANHOLES 7-FT DIAMETER EACH	CAT 0010 611.2008 MANHOLES 8-FT DIAMETER EACH	CAT 0010 611.3003 INLETS 3-FT DIAMETER EACH	CAT 0010 611.3004 INLETS 4-FT DIAMETER EACH	CAT 0010 611.3230 INLETS 2X3-FT EACH	CAT 0010 611.3901 INLETS MEDIAN 1 GRATE EACH	CAT 0010 611.8115 ADJUSTING INLET COVERS EACH	CAT 0010 650.4000 CONSTRUCTION STAKING STORM SEWER EACH	CAT 0010 SPV.0060.003 DOUBLE INLETS EACH	CAT 0010 SPV.0060.004 INLET COVERS TYPE SP EACH	CAT 0010 SPV.0060.006 STORM SEWER MANHOLE 7-FT X 3-FT EACH	RIM** ELEVATION	INVERT*** ELEVATION	DEPTH**** FT
106D	738+93.00	11.75' LT						1						1						1				832.16	826.93	4.34
106E	738+93.00	39.50' RT			1											1				1				832.03	826.57	4.65
108A	741+56.98	38.71' RT			1											1				1				833.04	826.24	5.80
111	742+83.27	63.43' RT	1								1									1				832.82	827.07	4.80
111A	742+79.07	77.38' RT			1											1				1				832.22	829.98	1.41
111B	742+96.04	58.49' RT			1											1				1				833.12	830.12	2.17
112	743+09.20	84.39' RT	1										1							1				832.66	827.47	4.24
320	700+74.81	62.91' LT																	1					881.22	878.22	2.00
321	741+26.33	63.76' RT																	1					832.45	825.65	5.98
322	741+33.53	70.24' RT																	1					832.54	827.08	4.46
323	742+31.77	88.56' LT																	1					832.99	829.99	2.00
324	742+36.58	72.77' LT																	1					832.92	829.92	2.00
325	742+44.78	26.68' RT																	1					833.00	826.53	5.76
	CATEGORY 0010 TOTAL		11	1	30	5	1	3	2	5	4	1	1	4	4	27	1	6	52	2	2	1			

REMARKS:

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**RIM ELEV IS AT THE INLET COVER FLANGE LOCATION

***FOR STRUCTURES WITH SUMPS, THE INVERT ELEVATION IS THE ELEVATION OF THE SUMP. FOR STRUCTURES WITHOUT SUMPS, THE INVERT ELEVATION IS THE ELEVATION OF THE LOWEST PIPE FLOW LINE

****DEPTH = RIM ELEV - TOP OF STRUCTURE BASE ELEV - COVER HEIGHT - 6-INCH ADJUSTMENT RING HEIGHT

ID 6145-01-74

STORM SEWER STRUCTURES

STRUCTURE	STATION	OFFSET*	CAT 0040 611.0530 MANHOLE COVERS TYPE J EACH	CAT 0040 611.0624 INLET COVERS TYPE H EACH	CAT 0040 611.0639 INLET COVERS TYPE H-S EACH	CAT 0040 611.0666 INLET COVERS TYPE Z EACH	CAT 0040 611.3003 INLETS 3-FT DIAMETER EACH	CAT 0040 611.3230 INLETS 2X3-FT EACH	CAT 0040 650.4000 CONSTRUCTION STAKING STORM SEWER EACH	RIM** ELEVATION	INVERT*** ELEVATION	DEPTH**** FT
96A	717+01.33	48.35' LT		1				1	1	905.96	902.65	2.48
96B	717+02.87	6.25' LT				1	1		1	907.01	903.14	2.95
96C	717+02.87	1.35' LT		1				1	1	907.11	903.29	2.98
96D	717+02.87	26.65' RT		1				1	1	907.62	903.67	3.12
96E	717+00.22	62.22' LT	1							906.82	902.75	3.74
97A	719+21.08	48.37' LT		1				1	1	904.87	901.37	2.67
97B	719+20.87	11.34' LT				1	1		1	905.80	901.66	3.22
97C	719+20.87	6.41' LT		1				1	1	905.90	902.10	2.96
97D	719+21.09	26.63' RT		1				1	1	906.53	902.53	3.17
98A	722+47.00	49.89' LT			1			1	1	901.97	898.47	2.66
98B	722+20.00	48.43' LT		1				1	1	902.50	898.11	3.56
98C	722+20.00	26.50' RT		1				1	1	904.06	900.15	3.08
99A	725+20.19	48.44' LT		1				1	1	892.52	888.52	3.17
99B	725+20.19	1.44' LT		1				1	1	891.77	887.90	3.03
99C	725+20.20	26.56' RT		1				1	1	892.28	888.28	3.17
100A	727+68.84	48.47' LT		1				1	1	877.98	873.97	3.18
100B	727+68.84	1.47' LT		1				1	1	876.64	872.77	3.03
100C	727+68.85	26.53' RT		1				1	1	877.16	873.15	3.17
101A	730+42.02	48.50' LT		1				1	1	860.95	856.85	3.27
101B	730+42.02	1.50' LT		1				1	1	859.97	856.06	3.08
101C	730+42.03	26.50' RT		1				1	1	860.36	856.44	3.09
102A	732+70.73	3.72' LT		1				1	1	845.98	841.58	3.57
102B	732+70.46	26.50' RT		1				1	1	845.99	841.98	3.17
103A	734+10.25	48.50' LT		1				1	1	838.76	834.82	3.11
	CATEGORY 0040 TOTAL		1	20	1	2	2	21	23			

REMARKS:

*STATIONS AND OFFSETS ARE TO CENTER OF STRUCTURE

**RIM ELEV IS AT THE INLET COVER FLANGE LOCATION

***FOR STRUCTURES WITH SUMPS, THE INVERT ELEVATION IS THE ELEVATION OF THE SUMP. FOR STRUCTURES WITHOUT SUMPS, THE INVERT ELEVATION IS THE ELEVATION OF THE LOWEST PI

****DEPTH = RIM ELEV - TOP OF STRUCTURE BASE ELEV - COVER HEIGHT - 6-INCH ADJUSTMENT RING HEIGHT

3

STORM SEWER OTHER

STATION TO STATION	CAT 0010 612.0406 PIPE UNDERDRAIN WRAPPED 6-INCH LF	CAT 0010 SPV.0090.001 CIPP LINING 15-INCH LF	CAT 0010 SPV.0090.002 CIPP LINING 18-INCH LF
ID 6145-01-73			
USH 12 - NB (STAGE 3)			
604+98.75 - 615+00	-	-	-
615+00 - 626+00	493	-	-
626+00 - 637+00	119	-	-
637+00 - 647+50	-	-	-
647+50 - 654+75	-	-	-
NB SUBTOTAL	612	0	0
USH 12 - SB (STAGE 4 & 5)			
604+98.75 - 615+00	-	-	-
615+00 - 626+00	-	-	-
626+00 - 637+00	-	-	-
637+00 - 647+50	-	-	-
647+50 - 654+75	-	-	-
SB SUBTOTAL	0	0	0
ID 6145-01-73 TOTAL	612	0	0
ID 6145-01-72			
USH 12 - NB (STAGE 1 & 3)			
654+75 - 666+50	209	-	-
666+50 - 677+50	-	-	-
677+50 - 688+50	-	-	-
668+50 - 700+50	-	-	-
NB SUBTOTAL	209	0	0
USH 12 - SB (STAGE 2 & 4)			
654+75 - 666+50	-	-	-
666+50 - 677+50	-	-	-
677+50 - 688+50	-	-	-
688+50 - 700+50	-	-	-
SB SUBTOTAL	0	0	0
ID 6145-01-72 TOTAL	209	0	0
ID 6145-01-74			
USH 12 - NB (STAGE 1)			
700+50 - 710+50	-	-	-
710+50 - 720+00	-	-	-
720+00 - 731+00	-	-	-
731+00 - 742+91.59	-	32	-
NB SUBTOTAL	0	32	0
USH 12 - SB (STAGE 2 & 3)			
700+50 - 710+50	-	-	-
710+50 - 720+00	-	-	270
720+00 - 731+00	-	-	762
731+00 - 742+91.59	-	-	-
SB SUBTOTAL	0	0	1,032
ID 6145-01-74 TOTAL	0	32	1,032
CATEGORY TOTAL	**821**	**32**	**1,032**
GRAND TOTAL	**821**	**32**	**1,032**

FENCE CHAIN LINK, 4-FT

STATION	CAT 0010 616.0204 FENCE CHAIN LINK 4-FT EACH
ID 6145-01-73	
651+08 - 652+22, RT	164
ID 6145-01-73 TOTAL	164

FENCE SAFETY

STATION TO STATION	CAT 0010 616.0700.S FENCE SAFETY LF
ID 6145-01-73	
UNDISTRIBUTED	4,976
ID 6145-01-73 TOTAL	4,976
ID 6145-01-72	
UNDISTRIBUTED	4,575
ID 6145-01-72 TOTAL	4,575
ID 6145-01-74	
UNDISTRIBUTED	4,242
ID 6145-01-74 TOTAL	4,242
CATEGORY TOTAL	**13,793**

MAINTENANCE AND REPAIR OF HAUL ROADS

STATION	CAT 0010 618.0100 MAINTENANCE AND REPAIR OF HAUL ROADS EACH
ID 6130-01-72*	1
ID 6145-01-73	1
ID 6145-01-72	1
ID 6145-01-74	1
GRAND TOTAL	4

* QUANTITY SHOWN IN ID 6130-01-72 PLANS

MOBILIZATION

STATION	CAT 0010 619.1000 MOBILIZATION EACH
ID 6130-01-72*	0.005
ID 6145-01-73	0.340
ID 6145-01-72	0.390
ID 6145-01-74	0.235
GRAND TOTAL	0.970

* QUANTITY SHOWN IN ID 6130-01-72 PLANS

EROSION CONTROL

STATION TO STATION	CAT 0010 624.0100 WATER MGAL	CAT 0010 625.0100 TOPSOIL SY	CAT 0010 628.2006 EROSION MAT URBAN CLASS I TYPE A SY	CAT 0010 629.0210 FERTILIZER TYPE B CWT	CAT 0010 630.0140 SEEDING MIXTURE NO. 40 LB	CAT 0010 630.0200 SEEDING TEMPORARY LB	CAT 0010 630.0500 SEED WATER MGAL	CAT 0010 631.0300 SOD WATER MGAL	CAT 0010 631.1000 SOD LAWN SY	CAT 0010 628.7005 INLET PROTECTION TYPE A EACH	CAT 0010 628.7010 INLET PROTECTION TYPE B EACH	CAT 0010 628.7015 INLET PROTECTION TYPE C EACH	CAT 0010 628.7020 INLET PROTECTION TYPE D EACH
ID 6145-01-73													
USH 12 - NB (STAGE 3)													
604+98.75 - 615+00	1	497	124	0.31	8.94	3	6	6	497	9	0	8	6
615+00 - 626+00	2	133	33	0.08	2.39	1	1	1	133	5	0	6	2
626+00 - 637+00	2	450	113	0.28	8.10	3	5	5	450	9	0	9	3
637+00 - 647+50	2	485	121	0.31	8.73	3	5	5	485	6	0	8	0
647+50 - 654+75	1	409	102	0.26	7.36	3	5	5	409	7	0	6	0
NB SUBTOTAL	9	1,974	493	1.24	35.52	13	22	22	1,974	36	0	37	11
USH 12 - SB (STAGE 4 & 5)													
604+98.75 - 615+00	1	280	70	0.18	5.04	2	3	3	280	9	0	6	8
615+00 - 626+00	1	594	149	0.37	10.69	4	7	7	594	11	2	14	2
626+00 - 637+00	1	324	81	0.20	5.83	2	4	4	324	8	0	8	3
637+00 - 647+50	2	1,005	251	0.63	18.10	7	11	11	1,005	13	0	15	0
647+50 - 654+75	1	683	171	0.43	12.29	5	8	8	683	9	0	9	0
SB SUBTOTAL	7	2,886	721	1.82	51.94	19	32	32	2,886	50	2	52	13
ID 6145-01-73 TOTAL	16	4,859	1,215	3.06	87.47	33	55	55	4,859	86	2	89	24
ID 6145-01-72													
USH 12 - NB (STAGE 1 & 3)													
654+75 - 666+50	1	1,425	356	0.90	25.65	10	16	16	1,425	9	0	5	9
666+50 - 677+50	1	1,592	398	1.00	28.66	11	18	18	1,592	12	1	12	0
677+50 - 688+50	1	2,083	521	1.31	37.50	14	23	23	2,083	8	1	9	0
668+50 - 700+50	1	1,472	368	0.93	26.49	10	17	17	1,472	9	0	6	5
NB SUBTOTAL	6	6,572	1,643	4.14	118.30	44	74	74	6,572	38	2	32	14
USH 12 - SB (STAGE 2 & 4)													
654+75 - 666+50	3	747	187	0.47	13.44	5	8	8	747	36	10	28	15
666+50 - 677+50	2	1,715	429	1.08	30.87	12	19	19	1,715	6	0	6	0
677+50 - 688+50	2	615	154	0.39	11.07	4	7	7	615	4	0	4	0
668+50 - 700+50	2	971	243	0.61	17.47	7	11	11	971	5	1	5	2
SB SUBTOTAL	8	4,047	1,012	2.55	72.85	27	45	45	4,047	51	11	43	17
ID 6145-01-72 TOTAL	13	10,619	2,655	6.69	191.14	72	119	119	10,619	89	13	75	31
ID 6145-01-74													
USH 12 - NB (STAGE 1)													
700+50 - 710+50	1	1,826	456	1.15	32.87	12	21	21	1,826	8	1	7	0
710+50 - 720+00	2	1,459	365	0.92	26.26	10	16	16	1,459	4	0	4	0
720+00 - 731+00	1	248	62	0.16	4.46	2	3	3	248	7	0	7	0
731+00 - 742+91.59	2	207	52	0.13	3.73	1	2	2	207	12	0	17	2
NB SUBTOTAL	7	3,739	935	2.36	67.31	25	42	42	3,739	31	1	35	2
USH 12 - SB (STAGE 2 & 3)													
700+50 - 710+50	1	1,640	410	1.03	29.52	11	18	18	1,640	7	0	7	0
710+50 - 720+00	1	595	149	0.38	10.72	4	7	7	595	11	2	15	0
720+00 - 731+00	2	1,175	294	0.74	21.15	8	13	13	1,175	8	2	10	0
731+00 - 742+91.59	2	670	167	0.42	12.06	5	8	8	670	13	2	19	3
SB SUBTOTAL	6	4,081	1,020	2.57	73.45	28	46	46	4,081	39	6	51	3
ID 6145-01-74 TOTAL	13	7,820	1,955	4.93	140.76	53	88	88	7,820	70	7	86	5
CATEGORY TOTAL	**43**	**23,298**	**5,825**	**14.68**	**419.37**	**157**	**262**	**262**	**23,298**	**245**	**22**	**250**	**60**

EROSION CONTROL CONT'D

STATION TO STATION	CAT 0040 625.0100 TOPSOIL SY	CAT 0040 628.2006 EROSION MAT URBAN CLASS I TYPE A SY	CAT 0040 629.0210 FERTILIZER TYPE B CWT	CAT 0040 630.0140 SEEDING MIXTURE NO. 40 LB	CAT 0040 630.0200 SEEDING TEMPORARY LB	CAT 0040 630.0500 SEED WATER MGAL	CAT 0040 631.0300 SOD WATER MGAL	CAT 0040 631.1000 SOD LAWN SY
ID 6145-01-73								
USH 12 - NB (STAGE 3)								
604+98.75 - 615+00	-	-	-	-	-	-	-	-
615+00 - 626+00	-	-	-	-	-	-	-	-
626+00 - 637+00	-	-	-	-	-	-	-	-
637+00 - 647+50	-	-	-	-	-	-	-	-
647+50 - 654+75	-	-	-	-	-	-	-	-
NB SUBTOTAL	0	0	0	0	0	0	0	0
USH 12 - SB (STAGE 4 & 5)								
604+98.75 - 615+00	-	-	-	-	-	-	-	-
615+00 - 626+00	-	-	-	-	-	-	-	-
626+00 - 637+00	-	-	-	-	-	-	-	-
637+00 - 647+50	-	-	-	-	-	-	-	-
647+50 - 654+75	-	-	-	-	-	-	-	-
SB SUBTOTAL	0	0	0	0	0	0	0	0
ID 6145-01-73 TOTAL	0	0	0	0	0	0	0	0
ID 6145-01-72								
USH 12 - NB (STAGE 1 & 3)								
654+75 - 666+50	-	-	-	-	-	-	-	-
666+50 - 677+50	-	-	-	-	-	-	-	-
677+50 - 688+50	-	-	-	-	-	-	-	-
668+50 - 700+50	-	-	-	-	-	-	-	-
NB SUBTOTAL	0	0	0	0	0	0	0	0
USH 12 - SB (STAGE 2 & 4)								
654+75 - 666+50	-	-	-	-	-	-	-	-
666+50 - 677+50	-	-	-	-	-	-	-	-
677+50 - 688+50	-	-	-	-	-	-	-	-
668+50 - 700+50	-	-	-	-	-	-	-	-
SB SUBTOTAL	0	0	0	0	0	0	0	0
ID 6145-01-72 TOTAL	0	0	0	0	0	0	0	0
ID 6145-01-74								
USH 12 - NB (STAGE 1)								
700+50 - 710+50	0	0	0.00	0	0	0	0	0
710+50 - 720+00	257	64	0.16	5	2	3	3	257
720+00 - 731+00	1,456	364	0.92	26	10	16	16	1,456
731+00 - 742+91.59	1,852	463	1.17	33	12	21	21	1,852
NB SUBTOTAL	3,565	891	2.25	64	24	40	40	3,565
USH 12 - SB (STAGE 2 & 3)								
700+50 - 710+50	0	0	0.00	0	0	0	0	0
710+50 - 720+00	538	134	0.34	10	4	6	6	538
720+00 - 731+00	2,686	671	1.69	48	18	30	30	2,686
731+00 - 742+91.59	2,210	552	1.39	40	15	25	25	2,210
SB SUBTOTAL	5,433	1,358	3.42	98	37	61	61	5,433
ID 6145-01-74 TOTAL	8,997	2,249	5.67	162	61	101	101	8,997
CATEGORY TOTAL	**8,997**	**2,249**	**5.67**	**162**	**61**	**101**	**101**	**8,997**
GRAND TOTAL	**32,296**	**8,074**	**20.35**	**581**	**218**	**363**	**363**	**32,296**

EROSION CONTROL

STATION TO STATION	CAT 0010 628.1504 SILT FENCE LF	CAT 0010 628.1520 SILT FENCE MAINTENANCE LF	CAT 0010 628.7504 TEMPORARY DITCH CHECKS LF	CAT 0010 628.7555 CULVERT PIPE CHECKS EACH
ID 6145-01-73				
USH 12 - NB (STAGE 3)				
604+98.75 - 615+00	288	288	0	0
615+00 - 626+00	0	0	0	0
626+00 - 637+00	0	0	0	0
637+00 - 647+50	0	0	0	0
647+50 - 654+75	0	0	0	0
NB SUBTOTAL	288	288	0	0
USH 12 - SB (STAGE 4 & 5)				
604+98.75 - 615+00	395	395	0	0
615+00 - 626+00	153	153	0	0
626+00 - 637+00	0	0	0	0
637+00 - 647+50	0	0	0	0
647+50 - 654+75	0	0	0	0
SB SUBTOTAL	548	548	0	0
ID 6145-01-73 TOTAL	836	836	0	0
ID 6145-01-72				
USH 12 - NB (STAGE 1 & 3)				
654+75 - 666+50	214	214	0	0
666+50 - 677+50	226	226	0	0
677+50 - 688+50	0	0	0	0
668+50 - 700+50	568	568	20	1
NB SUBTOTAL	1,008	1,008	20	1
USH 12 - SB (STAGE 2 & 4)				
654+75 - 666+50	0	0	0	0
666+50 - 677+50	0	0	0	0
677+50 - 688+50	763	763	0	0
668+50 - 700+50	0	0	0	0
SB SUBTOTAL	763	763	0	0
ID 6145-01-72 TOTAL	1,771	1,771	20	1
ID 6145-01-74				
USH 12 - NB (STAGE 1)				
700+50 - 710+50	0	0	0	0
710+50 - 720+00	219	219	0	0
720+00 - 731+00	0	0	0	0
731+00 - 742+91.59	220	220	0	0
NB SUBTOTAL	439	439	0	0
USH 12 - SB (STAGE 2 & 3)				
700+50 - 710+50	0	0	0	0
710+50 - 720+00	0	0	0	0
720+00 - 731+00	0	0	0	0
731+00 - 742+91.59	0	0	0	0
SB SUBTOTAL	0	0	0	0
ID 6145-01-74 TOTAL	439	439	0	0
CATEGORY TOTAL	**3,046**	**3,046**	**20**	**1**

MOBILIZATIONS EROSION CONTROL

PROJECT	CAT 0010 628.1905 MOBILIZATION EROSION CONTROL EACH	CAT 0010 628.1910 MOBILIZATION EMERGENCY EROSION CONTROL EACH
ID 6145-01-73	5	10
ID 6145-01-72	5	10
ID 6145-01-74	5	10
GRAND TOTAL	15	30

TRACKING PADS

PROJECT	CAT 0010 628.7560 TRACKING PADS EACH
ID 6145-01-73	2
ID 6145-01-72	2
ID 6145-01-74	3
GRAND TOTAL	7

SIGN NO.	SIGN CODE & SIZE		SIGN TYPE	SIGN MESSAGE	TYPE II SIGN SIZE W [IN.]	x	H [IN.]	CAT 0010 637.2210 SIGNS TYPE II REFLC H [SF]	CAT 0040 637.2210 SIGNS TYPE II REFLC H [SF]	CAT 0010 637.2230 SIGNS TYPE II REFLC F [SF]	CAT 0010 638.2602 REMOVING SIGNS TYPE II [EA]	CAT 0040 638.2602 REMOVING SIGNS TYPE II [EA]	CAT 0010 638.3000 REMOVING SMALL SIGN SUPPORTS [EA]	CAT 0040 638.3000 REMOVING SMALL SIGN SUPPORTS [EA]	CAT 0040 634.0812 POSTS TUBULAR STEEL 2X2-INCH X 12-FT. [EA]	CAT 0010 634.0618 POSTS WOOD 4"X 6"X18' [EA]	CAT 0010 638.2102 MOVING SIGNS TYPE II [EA]	MOUNT ON SAME POST AS SIGN #	REMARKS / NEW SIGN LOCATION
1-1	R4-7	(2S)	II	--	24	x	30	5.00	--	--	--	--	--	--	--	1	--	--	--
1-2	R3-8LER	(2S)	II	--	54	x	30	11.25	--	--	--	--	--	--	--	2	--	--	--
1-3	--	--	--	--	--	x	--	--	--	--	1	--	1	--	--	--	--	--	--
1-4	J2-2	(2S)	II	--	48	x	57	19.00	--	--	--	--	--	--	--	2	--	--	--
--	M3-2	(2S)	II	--	24	x	12	--	--	--	--	--	--	--	--	--	--	--	--
--	M1-4	(2S)	II	12	24	x	24	--	--	--	--	--	--	--	--	--	--	--	--
--	M5-1L	(2S)	II	--	21	x	21	--	--	--	--	--	--	--	--	--	--	--	--
--	M3-3	(2S)	II	--	24	x	12	--	--	--	--	--	--	--	--	--	--	--	--
--	M1-6	(2S)	II	23	24	x	24	--	--	--	--	--	--	--	--	--	--	--	--
--	M5-1R	(2S)	II	--	21	x	21	--	--	--	--	--	--	--	--	--	--	--	--
1-5	--	--	--	--	--	x	--	--	--	--	1	--	1	--	--	--	--	--	--
1-6	R2-1	(2M)	II	35	30	x	36	7.50	--	--	--	--	--	--	--	1	--	--	--
1-7	--	--	--	--	--	x	--	--	--	--	1	--	1	--	--	--	--	--	--
1-8	--	--	--	--	--	x	--	--	--	--	1	--	--	--	--	--	--	--	--
1-9	J4-1	(2S)	II	90	24	x	36	9.25	--	--	--	--	--	--	--	1	--	--	--
--	M4-11cP	(2S)	II	Emergency Route To	24	x	12	--	--	--	--	--	--	--	--	--	--	--	--
1-10	--	--	--	--	--	x	--	--	--	--	1	--	1	--	--	--	--	--	--
1-11	M1-94	(2S)	II	E Durkee St	30	x	9	--	1.88	--	--	--	--	--	1	--	--	--	--
1-12	M1-94	(2S)	II	Wis Dells Pkwy	36	x	9	--	2.25	--	--	--	--	--	--	--	--	1-11	--
1-13	R1-1	(2S)	II	-	36	x	36	5.18	--	--	--	--	--	--	--	1	--	--	--
1-14	--	--	--	--	--	x	--	--	--	--	--	3	--	1	--	--	--	--	--
2-1	--	--	--	--	--	x	--	--	--	--	1	--	--	--	--	--	--	--	--
2-2	R2-1	(2M)	II	35	30	x	36	7.50	--	--	--	--	--	--	--	1	--	--	--
2-3	R2-1	(2M)	II	35	30	x	36	7.50	--	--	--	--	--	--	--	1	--	--	--
3-1	R3-9D	(2S)	II	--	24	x	6	1.00	--	--	--	--	--	--	--	1	--	--	--
3-2	R3-9B	(2S)	II	--	24	x	36	6.00	--	--	--	--	--	--	--	--	--	3-1	--
3-3	--	--	--	--	--	x	--	--	--	--	1	--	1	--	--	--	--	--	--
3-4	--	--	--	--	--	x	--	--	--	--	--	3	--	1	--	--	--	--	--
3-5	R1-1	(2S)	II	--	36	x	36	5.18	--	--	--	--	--	--	--	1	--	--	--
3-6	--	--	--	--	--	x	--	--	--	--	--	--	--	--	--	1	1	--	--
3-7	M1-94	(2S)	II	Shady Ln	24	x	9	--	1.50	--	--	--	--	--	1	--	--	--	--
3-8	M1-94	(2S)	II	Wis Dells Pkwy	36	x	9	--	2.25	--	--	--	--	--	--	--	--	3-7	--
3-9	R3-9B	(2S)	II	--	24	x	36	6.00	--	--	--	--	--	--	--	1	--	--	--

SIGN NO.	SIGN CODE & SIZE		SIGN TYPE	SIGN MESSAGE	TYPE II SIGN SIZE W [IN.]	x	H [IN.]	CAT 0010 637.2210 SIGNS TYPE II REFLC H [SF]	CAT 0040 637.2210 SIGNS TYPE II REFLC H [SF]	CAT 0010 637.2230 SIGNS TYPE II REFLC F [SF]	CAT 0010 638.2602 REMOVING SIGNS TYPE II [EA]	CAT 0040 638.2602 REMOVING SIGNS TYPE II [EA]	CAT 0010 638.3000 REMOVING SMALL SIGN SUPPORTS [EA]	CAT 0040 638.3000 REMOVING SMALL SIGN SUPPORTS [EA]	CAT 0040 634.0812 POSTS TUBULAR STEEL 2X2-INCH X 12-FT. [EA]	CAT 0010 634.0618 POSTS WOOD 4"X 6"X18' [EA]	CAT 0010 638.2102 MOVING SIGNS TYPE II [EA]	MOUNT ON SAME POST AS SIGN #	REMARKS / NEW SIGN LOCATION
3-10	--	--	--	--	--	x	--	--	--	--	1	--	1	--	--	--	--	--	--
3-11	R3-9C	(2S)	II	--	24	x	6	1.00	--	--	--	--	--	--	--	1	--	--	--
3-12	R3-9B	(2S)	II	--	24	x	36	6.00	--	--	--	--	--	--	--	--	--	3-11	--
3-13	--	--	--	--	--	x	--	--	--	--	2	--	1	--	--	--	--	--	--
3-14	W11-2	(2S)	II	--	30	x	30	--	--	6.25	--	--	--	--	--	1	--	--	--
3-15	W16-9P	(2S)	II	--	24	x	12	--	--	2.00	--	--	--	--	--	--	--	3-14	--
4-1	--	--	--	--	--	x	--	--	--	--	--	2	--	1	--	--	--	--	--
4-2	R1-1	(2S)	II	--	36	x	36	5.18	--	--	--	--	--	--	--	1	--	--	--
4-3	M1-94	(2S)	II	Newsom Rd	30	x	9	--	1.88	--	--	--	--	--	1	--	--	--	--
4-4	M1-94	(2S)	II	Wis Dells Pwky	36	x	9	--	2.25	--	--	--	--	--	--	--	--	4-3	--
4-5	W11-2	(2S)	II	--	30	x	30	--	--	6.25	--	--	--	--	--	--	--	--	MOUNT ON SIGNAL POLE
4-6	W16-7L	(2S)	II	--	24	x	12	--	--	2.00	--	--	--	--	--	--	--	4-5	MOUNT ON SIGNAL POLE
4-7	R10-23	(2S)	II	--	54	x	36	13.50	--	--	--	--	--	--	--	--	--	--	MOUNT ON MAST ARM
4-8	--	--	--	--	--	x	--	--	--	--	2	--	--	--	--	--	--	--	--
4-9	--	--	--	--	--	x	--	--	--	--	1	--	--	--	--	--	--	--	--
4-10	R10-6	(2S)	II	--	24	x	36	6.00	--	--	--	--	--	--	--	1	--	--	--
4-11	--	--	--	--	--	x	--	--	--	--	1	--	1	--	--	--	--	--	--
4-12	R2-1	(2M)	II	35	30	x	36	7.50	--	--	--	--	--	--	--	--	--	--	MOUNT ON LIGHT POLE
4-13	--	--	--	--	--	x	--	--	--	--	1	--	1	--	--	--	--	--	--
4-14	W11-2	(2S)	II	--	30	x	30	--	--	6.25	--	--	--	--	--	1	--	--	--
4-15	W16-9P	(2S)	II	--	24	x	12	--	--	2.00	--	--	--	--	--	--	--	4-14	--
4-16	--	--	--	--	--	x	--	--	--	--	2	--	1	--	--	--	--	--	--
4-17	--	--	--	--	--	x	--	--	--	--	1	--	1	--	--	--	--	--	--
4-18	R10-6	(2S)	II	--	24	x	36	6.00	--	--	--	--	--	--	--	1	--	--	--
4-19	R10-23	(2S)	II	--	54	x	36	13.50	--	--	--	--	--	--	--	--	--	--	MOUNT ON MAST ARM
4-20	W11-2	(2S)	II	--	30	x	30	--	--	6.25	--	--	--	--	--	--	--	--	MOUNT ON SIGNAL POLE
4-21	W16-7L	(2S)	II	--	24	x	12	--	--	2.00	--	--	--	--	--	--	--	4-20	MOUNT ON SIGNAL POLE
4-22	--	--	--	--	--	x	--	--	--	--	2	--	--	--	--	--	--	--	--
4-23	--	--	--	--	--	x	--	--	--	--	1	--	--	--	--	--	--	--	--
4-24	R3-9B	(2S)	II	--	24	x	36	6.00	--	--	--	--	--	--	--	1	--	--	--
4-25	R2-1	(2M)	II	35	30	x	36	7.50	--	--	--	--	--	--	--	--	--	--	MOUNT ON LIGHT POLE
5-1	R3-9B	(2S)	II	--	24	x	36	6.00	--	--	--	--	--	--	--	1	--	--	--
5-2	--	--	--	--	--	x	--	--	--	--	1	--	1	--	--	--	--	--	--

SIGN NO.	SIGN CODE & SIZE		SIGN TYPE	SIGN MESSAGE	TYPE II SIGN SIZE W [IN.]	x	H [IN.]	CAT 0010 637.2210 SIGNS TYPE II REFLC H [SF]	CAT 0040 637.2210 SIGNS TYPE II REFLC H [SF]	CAT 0010 637.2230 SIGNS TYPE II REFLC F [SF]	CAT 0010 638.2602 REMOVING SIGNS TYPE II [EA]	CAT 0040 638.2602 REMOVING SIGNS TYPE II [EA]	CAT 0010 638.3000 REMOVING SMALL SIGN SUPPORTS [EA]	CAT 0040 638.3000 REMOVING SMALL SIGN SUPPORTS [EA]	CAT 0040 634.0812 POSTS TUBULAR STEEL 2X2-INCH X 12-FT. [EA]	CAT 0010 634.0618 POSTS WOOD 4"X 6"X18' [EA]	CAT 0010 638.2102 MOVING SIGNS TYPE II [EA]	MOUNT ON SAME POST AS SIGN #	REMARKS / NEW SIGN LOCATION
5-3	R3-9B	(2S)	II	--	24	x	36	6.00	--	--	--	--	--	--	--	--	--	--	MOUNT ON LIGHT POLE
6-1	R2-1	(2M)	II	35	30	x	36	7.50	--	--	--	--	--	--	--	--	--	--	MOUNT ON LIGHT POLE
6-2	--	--	--	--	--	x	--	--	--	--	1	--	1	--	--	--	--	--	--
6-3	R10-23	(2S)	II	--	54	x	36	13.50	--	--	--	--	--	--	--	--	--	--	MOUNT ON MAST ARM
6-4	R10-6	(2S)	II	--	24	x	36	6.00	--	--	--	--	--	--	--	--	--	--	MOUNT ON LIGHT POLE
6-5	--	--	--	--	--	x	--	--	--	--	1	--	1	--	--	--	--	--	--
6-6	R4-7	(2S)	II	--	24	x	30	5.00	--	--	--	--	--	--	--	1	--	--	--
6-7	W11-2	(2S)	II	--	30	x	30	--	--	6.25	--	--	--	--	--	1	--	--	--
6-8	W16-9P	(2S)	II	--	24	x	12	--	--	2.00	--	--	--	--	--	--	--	6-7	--
6-9	R10-6	(2S)	II	--	24	x	36	6.00	--	--	--	--	--	--	--	1	--	--	--
6-10	R10-23	(2S)	II	--	54	x	36	13.50	--	--	--	--	--	--	--	--	--	--	MOUNT ON MAST ARM
6-11	M1-94	(2S)	II	E Hiawatha Dr	36	x	9	--	2.25	--	--	--	--	--	1	--	--	--	--
6-12	M1-94	(2S)	II	Wis Dells Pkwy	36	x	9	--	2.25	--	--	--	--	--	--	--	--	6-11	--
6-13	--	--	--	--	--	x	--	--	--	--	1	--	1	--	--	--	--	--	--
6-14	--	--	--	--	--	x	--	--	--	--	1	--	1	--	--	--	--	--	--
6-15	--	--	--	--	--	x	--	--	--	--	1	--	1	--	--	--	--	--	--
6-16	R3-2	(2S)	II	--	24	x	24	4.00	--	--	--	--	--	--	--	1	--	--	--
6-17	R1-1	(2S)	II	--	36	x	36	5.18	--	--	--	--	--	--	--	1	--	--	--
6-18	R3-53R	(2S)	II	--	24	x	30	5.00	--	--	--	--	--	--	--	--	--	6-17	--
6-19	--	--	--	--	--	x	--	--	--	--	1	--	1	--	--	--	--	--	--
6-20	R5-1	(2S)	II	--	30	x	30	6.25	--	--	--	--	--	--	--	1	--	--	--
6-21	R1-1	(2S)	II	--	36	x	36	5.18	--	--	--	--	--	--	--	--	--	--	MOUNT ON LIGHT POLE
6-22	R3-53R	(2S)	II	--	24	x	30	5.00	--	--	--	--	--	--	--	--	--	6-21	MOUNT ON LIGHT POLE
6-23	--	--	--	--	--	x	--	--	--	--	--	3	--	1	--	--	--	--	--
6-24	W11-2	(2S)	--	--	30	x	30	--	--	6.25	--	--	--	--	--	--	--	--	
6-25	W16-7L	(2S)	--	--	24	x	12	--	--	2.00	--	--	--	--	--	--	--	--	--
6-26	W11-2	(2S)	--	--	30	x	30	--	--	6.25	--	--	--	--	--	--	--	--	--
6-27	W16-7L	(2S)	--	--	24	x	12	--	--	2.00	--	--	--	--	--	--	--	--	--
7-1	R1-1	(2S)	II	--	36	x	36	5.18	--	--	--	--	--	--	--	1	--	--	--
7-2	--	--	--	--	--	x	--	--	--	--	--	3	--	1	--	--	--	--	--
7-3	M1-94	(2S)	II	Red Bird Ave	30	x	9	--	1.88	--	--	--	--	--	1	--	--	--	--
7-4	M1-94	(2S)	II	Wis Dells Pkwy	36	x	9	--	2.25	--	--	--	--	--	--	--	--	7-3	--
7-5	W11-2	(2S)	II	--	30	x	30	--	--	6.25	--	--	--	--	--	1	--	--	--
7-6	W16-9P	(2S)	II	--	24	x	12	--	--	2.00	--	--	--	--	--	--	--	7-5	--
7-7	R3-9C	(2S)	II	--	24	x	6	1.00	--	--	--	--	--	--	--	1	--	--	--
7-8	R3-9B	(2S)	II	--	24	x	36	6.00	--	--	--	--	--	--	--	--	--	7-7	--
7-9	--	--	--	--	--	x	--	--	--	--	--	3	--	1	--	--	--	--	--

TYPE II PERMANENT SIGNING CONT'D

SIGN NO.	SIGN CODE & SIZE		SIGN TYPE	SIGN MESSAGE	TYPE II SIGN SIZE W [IN.]	x	H [IN.]	CAT 0010 637.2210 SIGNS TYPE II REFLC H [SF]	CAT 0040 637.2210 SIGNS TYPE II REFLC H [SF]	CAT 0010 637.2230 SIGNS TYPE II REFLC F [SF]	CAT 0010 638.2602 REMOVING SIGNS TYPE II [EA]	CAT 0040 638.2602 REMOVING SIGNS TYPE II [EA]	CAT 0010 638.3000 REMOVING SMALL SIGN SUPPORTS [EA]	CAT 0040 638.3000 REMOVING SMALL SIGN SUPPORTS [EA]	CAT 0040 634.0812 POSTS TUBULAR STEEL 2X2-INCH X 12-FT. [EA]	CAT 0010 634.0618 POSTS WOOD 4"X 6"X18' [EA]	CAT 0010 638.2102 MOVING SIGNS TYPE II [EA]	MOUNT ON SAME POST AS SIGN #	REMARKS / NEW SIGN LOCATION
7-10	R1-1	(2S)	II	--	30	x	30	5.18	--	--	--	--	--	--	--	1	--	--	--
7-11	M1-94	(2S)	II	Dekorra Ln	30	x	9	--	1.88	--	--	--	--	--	1	--	--	--	--
7-12	M1-94	(2S)	II	Wis Dells Pkwy	36	x	9	--	2.25	--	--	--	--	--	--	--	--	7-11	--
7-13	--	--	--	--	--	x	--	--	--	--	1	--	--	--	--	--	--	--	--
7-14	R2-1	(2M)	II	35	30	x	36	7.50	--	--	--	--	--	--	--	1	--	--	--
7-15	R2-1	(2M)	II	35	30	x	36	7.50	--	--	--	--	--	--	--	1	--	--	--
7-16	R3-9D	(2S)	II	--	24	x	6	1.00	--	--	--	--	--	--	--	1	--	--	--
7-17	R3-9B	(2S)	--	--	24	x	36	6.00	--	--	--	--	--	--	--	--	--	7-16	--
7-18	--	--	--	--	--	x	--	--	--	--	1	--	1	--	--	--	--	--	--
8-1	--	--	--	--	--	x	--	--	--	--	--	3	--	1	--	--	--	--	--
8-2	R1-1	(2S)	II	--	36	x	36	5.18	--	--	--	--	--	--	--	1	--	--	--
8-3	R3-53R	(2S)	II	--	24	x	30	5.00	--	--	--	--	--	--	--	--	--	8-2	--
8-4	R5-1	(2S)	II	--	30	x	30	6.25	--	--	--	--	--	--	--	1	--	--	--
8-5	R4-7	(2S)	II	--	24	x	30	5.00	--	--	--	--	--	--	--	1	--	--	--
8-6	R3-2	(2S)	II	--	24	x	24	4.00	--	--	--	--	--	--	--	--	--	8-5	--
8-7	--	--	--	--	--	x	--	--	--	--	1	--	--	--	--	--	--	--	--
8-8	M1-94	(2S)	II	Winnebago Ln	36	x	9	--	2.25	--	--	--	--	--	1	--	--	--	--
8-9	M1-94	(2S)	II	Wis Dells Pkwy	36	x	9	--	2.25	--	--	--	--	--	--	--	--	8-8	--
8-10	M1-94H	(2S)	II	E Lake Ave	66	x	15	6.88	--	--	--	--	--	--	--	--	--	--	MOUNT ON MAST ARM
8-11	M1-94H	(2S)	II	W Lake Ave	66	x	15	6.88	--	--	--	--	--	--	--	--	--	8-10	MOUNT ON MAST ARM
8-12	--	--	--	--	--	x	--	--	--	--	2	--	--	--	--	--	--	--	--
8-13	--	--	--	--	--	x	--	--	--	--	1	--	--	--	--	--	--	--	--
8-14	R10-3ER	(2S)	II	--	9	x	15	0.94	--	--	--	--	--	--	--	--	--	--	MOUNT ON SIGNAL POLE
8-15	--	--	--	--	--	x	--	--	--	--	1	--	1	--	--	--	--	--	--
8-16	R10-3ER	(2S)	II	--	9	x	15	0.94	--	--	--	--	--	--	--	--	--	--	MOUNT ON SIGNAL POLE
8-17	R10-3EL	(2S)	II	--	9	x	15	0.94	--	--	--	--	--	--	--	--	--	--	MOUNT ON SIGNAL POLE
8-18	R10-3ER	(2S)	II	--	9	x	15	0.94	--	--	--	--	--	--	--	--	--	--	MOUNT ON SIGNAL POLE
8-19	R10-3EL	(2S)	II	--	9	x	15	0.94	--	--	--	--	--	--	--	--	--	--	MOUNT ON SIGNAL POLE
8-20	--	--	--	--	--	x	--	--	--	--	1	--	--	--	--	--	--	--	--
8-21	--	--	--	--	--	x	--	--	--	--	--	2	--	1	--	--	--	--	--
8-22	R10-3EL	(2S)	II	--	9	x	15	0.94	--	--	--	--	--	--	--	--	--	--	MOUNT ON SIGNAL POLE
8-23	R10-3EL	(2S)	II	--	9	x	15	0.94	--	--	--	--	--	--	--	--	--	--	MOUNT ON SIGNAL POLE

SIGN NO.	SIGN CODE & SIZE		SIGN TYPE	SIGN MESSAGE	TYPE II SIGN SIZE W [IN.]	x	H [IN.]	CAT 0010 637.2210 SIGNS TYPE II REFLC H [SF]	CAT 0040 637.2210 SIGNS TYPE II REFLC H [SF]	CAT 0010 637.2230 SIGNS TYPE II REFLC F [SF]	CAT 0010 638.2602 REMOVING SIGNS TYPE II [EA]	CAT 0040 638.2602 REMOVING SIGNS TYPE II [EA]	CAT 0010 638.3000 REMOVING SMALL SIGN SUPPORTS [EA]	CAT 0040 638.3000 REMOVING SMALL SIGN SUPPORTS [EA]	CAT 0040 634.0812 POSTS TUBULAR STEEL 2X2-INCH X 12-FT. [EA]	CAT 0010 634.0618 POSTS WOOD 4"X 6"X18' [EA]	CAT 0010 638.2102 MOVING SIGNS TYPE II [EA]	MOUNT ON SAME POST AS SIGN #	REMARKS / NEW SIGN LOCATION
8-24	--	--	--	--	--	x	--	--	--	--	1	--	--	--	--	--	--	--	--
8-25	R10-3ER	(2S)	II	--	9	x	15	0.94	--	--	--	--	--	--	--	--	--	--	MOUNT ON SIGNAL POLE
8-26	M1-94H	(2S)	II	W Lake Ave	66	x	15	6.88	--	--	--	--	--	--	--	--	--	--	MOUNT ON MAST ARM
8-27	M1-94H	(2S)	II	E Lake Ave	66	x	15	6.88	--	--	--	--	--	--	--	--	--	8-26	MOUNT ON MAST ARM
8-28	--	--	--	--	--	x	--	--	--	--	1	--	1	--	--	--	--	--	--
8-29	--	--	--	--	--	x	--	--	--	--	1	--	1	--	--	--	--	--	--
8-30	R2-1	(2M)	II	35	30	x	36	7.50	--	--	--	--	--	--	--	1	--	--	--
9-1	--	--	--	--	--	x	--	--	--	--	--	3	--	1	--	--	--	--	--
9-2	R3-9D	(2S)	II	--	24	x	6	1.00	--	--	--	--	--	--	--	1	--	--	--
9-3	R3-9B	(2S)	II	--	24	x	36	6.00	--	--	--	--	--	--	--	--	--	9-2	--
9-4	R1-1	(2S)	II	--	36	x	36	5.18	--	--	--	--	--	--	--	1	--	--	--
9-5	M1-94	(2S)	II	Ridgewood St	36	x	9	--	2.25	--	--	--	--	--	1	--	--	--	--
9-6	M1-94	(2S)	II	Wis Dells Pkwy	36	x	9	--	2.25	--	--	--	--	--	--	--	--	9-5	--
9-7	R3-9C	(2S)	II	--	3	x	6	0.13	--	--	--	--	--	--	--	1	--	--	--
9-8	R3-9B	(2S)	II	--	24	x	36	6.00	--	--	--	--	--	--	--	--	--	9-7	--
9-9	--	--	--	--	--	x	--	--	--	--	1	--	1	--	--	--	--	--	--
10-1	R2-1	(2M)	II	35	30	x	36	7.50	--	--	--	--	--	--	--	--	--	--	MOUNT ON LIGHT POLE
ID 6145-01-73 TOTAL								389.75	33.75	66.00	40	25	23	9	8	42	1		

3

SIGN NO.	SIGN CODE & SIZE		SIGN TYPE	SIGN MESSAGE	TYPE II SIGN SIZE W [IN.]	x	H [IN.]	CAT 0010 637.2210 SIGNS TYPE II REFLC H [SF]	CAT 0040 637.2210 SIGNS TYPE II REFLC H [SF]	CAT 0010 637.2230 SIGNS TYPE II REFLC F [SF]	CAT 0010 638.2602 REMOVING SIGNS TYPE II [EA]	CAT 0040 638.2602 REMOVING SIGNS TYPE II [EA]	CAT 0010 638.3000 REMOVING SMALL SIGN SUPPORTS [EA]	CAT 0040 638.3000 REMOVING SMALL SIGN SUPPORTS [EA]	CAT 0040 634.0814 POSTS TUBULAR STEEL 2X2-INCH X 14-FT. [EA]	CAT 0010 634.0618 POSTS WOOD 4"X 6"X18' [EA]	MOUNT ON SAME POST AS SIGN #	REMARKS / NEW SIGN LOCATION
11-1	R3-9C	(2S)	II	--	24	x	6	1.00	--	--	--	--	--	--	--	1	--	--
11-2	R3-9B	(2S)	II	--	24	x	36	6.00	--	--	--	--	--	--	--	--	11-1	--
11-3	R3-9D	(2S)	II	--	24	x	6	1.00	--	--	--	--	--	--	--	1	--	--
11-4	R3-9B	(2S)	II	--	24	x	36	6.00	--	--	--	--	--	--	--	--	11-3	--
12-1	--	--	--	--	--	x	--	--	--	--	1	--	1	--	--	--	--	--
12-2	--	--	--	--	--	x	--	--	--	--	1	--	1	--	--	--	--	--
12-3	--	--	--	--	--	x	--	--	--	--	1	--	--	--	--	--	--	--
12-4	R6-2R	(2S)	II	--	24	x	30	5.00	--	--	--	--	--	--	--	1	--	--
12-5	R1-1	(2S)	II	--	36	x	36	5.18	--	--	--	--	--	--	--	1	--	--
12-6	R3-53R	(2S)	II	--	24	x	30	5.00	--	--	--	--	--	--	--	--	12-5	--
12-7	--	--	--	--	--	x	--	--	--	--	--	3.00	--	1.00	--	--	--	--
12-8	R5-1	(2S)	II	--	30	x	30	6.25	--	--	--	--	--	--	--	1	--	--
12-9	R5-1	(2S)	II	--	30	x	30	6.25	--	--	--	--	--	--	--	1	--	--
12-10	R3-18	(2S)	II	--	24	x	24	4.00	--	--	--	--	--	--	--	1	--	--
12-11	M1-94	(2S)	II	Pilgrim Dr	30	x	15	--	3.13	--	--	--	--	--	1	--	--	--
12-12	M1-94	(2S)	II	Wis Dells Pkwy	36	x	15	--	3.75	--	--	--	--	--	--	--	12-11	--
12-13	R6-2R	(2S)	II	--	24	x	30	5.00	--	--	--	--	--	--	--	1	--	--
12-14	R5-1	(2S)	II	--	30	x	30	6.25	--	--	--	--	--	--	--	1	--	--
12-15	R5-1	(2S)	II	--	30	x	30	6.25	--	--	--	--	--	--	--	1	--	--
12-16	R6-2R	(2S)	II	--	24	x	30	5.00	--	--	--	--	--	--	--	1	--	--
12-17	R3-18	(2S)	II	--	24	x	24	4.00	--	--	--	--	--	--	--	1	--	--
12-18	R5-1	(2S)	II	--	30	x	30	6.25	--	--	--	--	--	--	--	1	--	--
12-19	R4-7	(2S)	II	--	24	x	30	5.00	--	--	--	--	--	--	--	1	--	--
12-20	R2-1	(2M)	II	35	30	x	36	7.50	--	--	--	--	--	--	--	--	--	MOUNT ON LIGHT POLE
12-21	R6-2R	(2S)	II	--	24	x	30	5.00	--	--	--	--	--	--	--	1	--	--
12-22	R4-7	(2S)	II	--	24	x	30	5.00	--	--	--	--	--	--	--	1	--	--
12-23	R5-1	(2S)	II	--	30	x	30	6.25	--	--	--	--	--	--	--	1	--	--
12-24	R6-2R	(2S)	II	--	24	x	30	5.00	--	--	--	--	--	--	--	1	--	--
12-25	--	--	--	--	--	x	--	--	--	--	2	--	1	--	--	--	--	--
13-1	R6-2R	(2S)	II	--	24	x	30	5.00	--	--	--	--	--	--	--	1	--	--
13-2	--	--	--	--	--	x	--	--	--	--	1	--	1	--	--	--	--	--

TYPE II PERMANENT SIGNING CONT'D

SIGN NO.	SIGN CODE & SIZE	SIGN TYPE	SIGN MESSAGE	TYPE II SIGN SIZE W [IN.] x H [IN.]	CAT 0010 637.2210 SIGNS TYPE II REFLC H [SF]	CAT 0040 637.2210 SIGNS TYPE II REFLC H [SF]	CAT 0010 637.2230 SIGNS TYPE II REFLC F [SF]	CAT 0010 638.2602 REMOVING SIGNS TYPE II [EA]	CAT 0040 638.2602 REMOVING SIGNS TYPE II [EA]	CAT 0010 638.3000 REMOVING SMALL SIGN SUPPORTS [EA]	CAT 0040 638.3000 REMOVING SMALL SIGN SUPPORTS [EA]	CAT 0040 634.0814 POSTS TUBULAR STEEL 2X2-INCH X 14-FT. [EA]	CAT 0010 634.0618 POSTS WOOD 4"X6"X18' [EA]	MOUNT ON SAME POST AS SIGN #	REMARKS / NEW SIGN LOCATION
13-3	R5-1 (2S)	II	--	30 x 30	6.25	--	--	--	--	--	--	--	1	--	--
13-4	R2-1 (2M)	II	35	30 x 36	7.50	--	--	--	--	--	--	--	1	--	--
13-5	M1-94H (2S)	II	Olympus Dr	108 x 18	13.50	--	--	--	--	--	--	--	--	--	MOUNT ON MAST ARM
13-6	-- --	--	--	-- x --	--	--	--	2	--	--	--	--	--	--	--
13-7	R10-3EL (2S)	II	--	9 x 15	0.94	--	--	--	--	--	--	--	--	--	MOUNT ON SIGNAL POLE
13-8	-- --	--	--	-- x --	--	--	--	1	--	--	--	--	--	--	--
13-9	R10-3ER (2S)	II	--	9 x 15	0.94	--	--	--	--	--	--	--	--	--	MOUNT ON SIGNAL POLE
13-10	R6-1R (2S)	II	--	36 x 12	3.00	--	--	--	--	--	--	--	--	--	MOUNT ON SIGNAL POLE
13-11	R6-3A (2S)	II	--	30 x 24	5.00	--	--	--	--	--	--	--	--	--	MOUNT ON SIGNAL POLE
13-12	-- --	--	--	-- x --	--	--	--	1	--	1	--	--	--	--	--
13-13	R10-3EL (2S)	II	--	9 x 15	0.94	--	--	--	--	--	--	--	--	--	MOUNT ON SIGNAL POLE
13-14	R5-1 (2S)	II	--	30 x 30	6.25	--	--	--	--	--	--	--	--	--	MOUNT ON SIGNAL POLE
13-15	R10-3ER (2S)	II	--	9 x 15	0.94	--	--	--	--	--	--	--	--	--	MOUNT ON SIGNAL POLE
13-16	R5-1A (2S)	II	--	36 x 24	6.00	--	--	--	--	--	--	--	1	--	--
13-17	-- --	--	--	-- x --	--	--	--	1	--	1	--	--	--	--	--
16-18	R4-7 (2S)	II	--	24 x 30	5.00	--	--	--	--	--	--	--	--	--	MOUNT ON SIGNAL POLE
13-19	R5-1 (2S)	II	--	30 x 30	6.25	--	--	--	--	--	--	--	--	--	MOUNT ON SIGNAL POLE
13-20	R10-3ER (2S)	II	--	9 x 15	0.94	--	--	--	--	--	--	--	--	13-17	MOUNT ON SIGNAL POLE
13-21	-- --	--	--	-- x --	--	--	--	2	--	--	--	--	--	--	--
13-22	-- --	--	--	-- x --	--	--	--	1	--	--	--	--	--	--	--
13-23	R6-2L (2S)	II	--	24 x 30	5.00	--	--	--	--	--	--	1	--	--	MOUNT ON SIGNAL POLE
13-24	M1-94H (2S)	II	Wis Dells Pkwy	102 x 18	12.75	--	--	--	--	--	--	--	--	--	MOUNT ON MAST ARM
13-25	R4-7 (2S)	II	--	24 x 30	5.00	--	--	--	--	--	--	--	1	--	--
13-26	R10-3ER (2S)	II	--	9 x 15	0.94	--	--	--	--	--	--	--	--	--	MOUNT ON SIGNAL POLE
13-27	M1-94H (2S)	II	Olympus Dr	108 x 18	13.50	--	--	--	--	--	--	--	--	--	MOUNT ON MAST ARM
13-28	R2-1 (2M)	II	35	30 x 36	7.50	--	--	--	--	--	--	--	1	--	--
13-29	R5-1 (2S)	II	--	30 x 30	6.25	--	--	--	--	--	--	--	--	13-26	--
13-30	R4-7 (2S)	II	--	24 x 30	5.00	--	--	--	--	--	--	--	1	--	--
14-1	R3-9D (2S)	II	--	24 x 6	1.00	--	--	--	--	--	--	--	--	--	MOUNT ON LIGHT POLE
14-2	R3-9B (2S)	II	--	24 x 36	6.00	--	--	--	--	--	--	--	--	14-1	MOUNT ON LIGHT POLE
14-3	-- --	--	--	-- x --	--	--	--	2	--	1	--	--	--	--	--
14-4	R2-1 (2M)	II	35	30 x 36	7.50	--	--	--	--	--	--	--	1	--	--
14-5	R3-9C (2S)	II	--	24 x 6	1.00	--	--	--	--	--	--	--	--	--	MOUNT ON LIGHT POLE
14-6	R3-9B (2S)	II	--	24 x 36	6.00	--	--	--	--	--	--	--	--	14-5	MOUNT ON LIGHT POLE
14-7	-- --	--	--	-- x --	--	--	--	1	--	1	--	--	--	--	--
15-1	R3-9B (2S)	II	--	24 x 36	6.00	--	--	--	--	--	--	--	--	--	MOUNT ON LIGHT POLE

SIGN NO.	SIGN CODE & SIZE		SIGN TYPE	SIGN MESSAGE	TYPE II SIGN SIZE W [IN.]	x	H [IN.]	CAT 0010 637.2210 SIGNS TYPE II REFLC H [SF]	CAT 0040 637.2210 SIGNS TYPE II REFLC H [SF]	CAT 0010 637.2230 SIGNS TYPE II REFLC F [SF]	CAT 0010 638.2602 REMOVING SIGNS TYPE II [EA]	CAT 0040 638.2602 REMOVING SIGNS TYPE II [EA]	CAT 0010 638.3000 REMOVING SMALL SIGN SUPPORTS [EA]	CAT 0040 638.3000 REMOVING SMALL SIGN SUPPORTS [EA]	CAT 0040 634.0814 POSTS TUBULAR STEEL 2X2-INCH X 14-FT. [EA]	CAT 0010 634.0618 POSTS WOOD 4"X 6"X18' [EA]	MOUNT ON SAME POST AS SIGN #	REMARKS / NEW SIGN LOCATION
15-2	--	--	--	--	--	x	--	--	--	--	1	--	1	--	--	--	--	--
15-3	R2-1	(2M)	II	35	30	x	36	7.50	--	--	--	--	--	--	--	--	--	MOUNT ON LIGHT POLE
15-4	R3-9B	(2S)	II	--	24	x	36	6.00	--	--	--	--	--	--	--	1	--	--
15-5	--	--	--	--	--	x	--	--	--	--	2	--	1	--	--	--	--	--
15-6	W11-2	(2S)	II	--	30	x	30	--	--	6.25	--	--	--	--	--	1	--	--
15-7	W20-50A	(2S)	II	--	30	x	8	--	--	1.67	--	--	--	--	--	--	--	--
16-1	R2-1	(2M)	II	35	30	x	36	7.50	--	--	--	--	--	--	--	--	--	MOUNT ON LIGHT POLE
16-2	R10-23	(2S)	II	--	54	x	36	13.50	--	--	--	--	--	--	--	--	--	MOUNT ON MAST ARM
16-3	--	--	--	--	--	x	--	--	--	--	2	--	--	--	--	--	--	--
16-4	--	--	--	--	--	x	--	--	--	--	1	--	--	--	--	--	--	--
16-5	W11-2	(2S)	II	--	30	x	30	--	--	6.25	--	--	--	--	--	1	--	--
16-6	W16-7L	(2S)	II	--	24	x	12	--	--	2.00	--	--	--	--	--	--	16-5	--
16-7	R10-6	(2S)	II	--	24	x	36	6.00	--	--	--	--	--	--	--	1	--	--
16-8	--	--	--	--	--	x	--	--	--	--	1	--	1	--	--	--	--	--
16-9	--	--	--	--	--	x	--	--	--	--	1	--	1	--	--	--	--	--
16-10	R10-6	(2S)	II	--	24	x	36	6.00	--	--	--	--	--	--	--	1	--	--
16-11	W11-2	(2S)	II	--	30	x	30	--	--	6.25	--	--	--	--	--	1	--	--
16-12	W16-7L	(2S)	II	--	24	x	12	--	--	2.00	--	--	--	--	--	--	16-11	--
16-13	--	--	--	--	--	x	--	--	--	--	2	--	--	--	--	--	--	--
16-14	--	--	--	--	--	x	--	--	--	--	1	--	--	--	--	--	--	--
16-15	R10-23	(2S)	II	--	54	x	36	13.50	--	--	--	--	--	--	--	--	--	MOUNT ON MAST ARM
16-16	R3-9B	(2S)	II	--	24	x	36	6.00	--	--	--	--	--	--	--	--	--	MOUNT ON LIGHT POLE
16-17	--	--	--	--	--	x	--	--	--	--	1	--	1	--	--	--	--	--
17-1	W11-2	(2S)	II	--	30	x	30	--	--	6.25	--	--	--	--	--	--	--	MOUNT ON LIGHT POLE
17-2	W20-50A	(2S)	II	--	30	x	8	--	--	1.67	--	--	--	--	--	--	17-1	MOUNT ON LIGHT POLE
17-3	--	--	--	--	--	x	--	--	--	--	2	--	1	--	--	--	--	--
17-4	R3-9B	(2S)	II	--	24	x	36	6.00	--	--	--	--	--	--	--	1	--	--
17-5	R2-1	(2M)	II	35	30	x	36	7.50	--	--	--	--	--	--	--	1	--	--
17-6	R1-1	(2S)	II	--	36	x	36	5.18	--	--	--	--	--	--	--	1	--	--
17-7	--	--	--	--	--	x	--	--	--	--	1	--	1	--	--	--	--	--
17-8	R3-9B	(2S)	II	--	24	x	36	6.00	--	--	--	--	--	--	--	1	--	--
18-1	R2-1	(2M)	II	35	30	x	36	7.50	--	--	--	--	--	--	--	--	--	MOUNT ON LIGHT POLE
18-2	--	--	--	--	--	x	--	--	--	--	1	--	1	--	--	--	--	--
18-3	R2-1	(2M)	II	35	30	x	36	--	--	--	--	--	--	--	--	--	--	--
19-1	--	--	--	--	--	x	--	--	--	--	1	--	1	--	--	--	--	--
19-2	R3-9B	(2S)	II	--	24	x	36	6.00	--	--	--	--	--	--	--	--	--	MOUNT ON LIGHT POLE
19-3	R3-9B	(2S)	II	--	24	x	36	6.00	--	--	--	--	--	--	--	--	--	MOUNT ON LIGHT POLE
20-1	--	--	--	--	--	x	--	--	--	--	1	--	1	--	--	--	--	--
ID 6145-01-72 TOTAL								374.24	6.88	32.33	35	3	18	1	2	36		

SIGN NO.	SIGN CODE & SIZE		SIGN TYPE	SIGN MESSAGE	TYPE II SIGN SIZE W [IN.]	x	H [IN.]	CAT 0010 637.2210 SIGNS TYPE II REFLC H [SF]	CAT 0080 637.2220 SIGNS TYPE II REFLC SH [SF]	CAT 0010 638.2602 REMOVING SIGNS TYPE II [EA]	CAT 0040 638.2602 REMOVING SIGNS TYPE II [EA]	CAT 0010 638.3000 REMOVING SMALL SIGN SUPPORTS [EA]	CAT 0040 638.3000 REMOVING SMALL SIGN SUPPORTS [EA]	CAT 0010 634.0618 POSTS WOOD 4"X 6"X18' [EA]	CAT 0010 638.2102 MOVING SIGNS TYPE II [EA]	MOUNT ON SAME POST AS SIGN #	REMARKS / NEW SIGN LOCATION
21-1	R2-1	(2M)	II	35	30	x	36	7.50	--	--	--	--	--	--	--	--	MOUNT ON LIGHT POLE
22-1	I2-3	(2S)	II	LAKE DELTON POPULATION 3501	78	x	24	13.00	--	--	--	--	--	2	--	--	--
22-2	--	--	--	--	--	x	--	--	--	--	--	--	--	1	2	--	--
22-3	--	--	--	--	--	x	--	--	--	1	--	2	--	--	--	--	--
22-4	R3-9C	(2S)	II	--	24	x	6	1.00	--	--	--	--	--	1	--	--	--
22-5	R3-9B	(2S)	II	--	24	x	36	6.00	--	--	--	--	--	--	--	22-4	--
22-6	R5-1	(2S)	II	--	30	x	30	6.25	--	--	--	--	--	1	--	--	--
22-7	--	--	--	--	--	x	--	--	--	1	--	1	--	--	--	--	--
22-8	R5-1A	(2S)	II	--	36	x	24	6.00	--	--	--	--	--	1	--	--	--
22-9	--	--	--	--	--	x	--	--	--	1	--	2	--	--	--	--	--
22-10	I2-3	(2S)	II	WISCONSIN DELLS POPULATION 3236	102	x	24	17.00	--	--	--	--	--	2	--	--	--
22-11	R3-9D	(2S)	II	--	24	x	6	1.00	--	--	--	--	--	--	--	--	MOUNT ON LIGHT POLE
22-12	R3-9B	(2S)	II	--	24	x	36	6.00	--	--	--	--	--	--	--	22-11	MOUNT ON LIGHT POLE
22-13	R4-7	(2S)	II	--	24	x	30	5.00	--	--	--	--	--	1	--	--	--
22-14	J1-1	(2S)	II	--	24	x	39	6.50	--	--	--	--	--	--	--	--	MOUNT ON LIGHT POLE
	M2-1	--	--	--	--	x	--	--	--	--	--	--	--	--	--	--	--
	M1-5A	--	--	A	--	x	--	--	--	--	--	--	--	--	--	--	--
22-16	R5-1	(2S)	II	--	30	x	30	6.25	--	--	--	--	--	--	--	22-14	MOUNT ON LIGHT POLE
22-17	R6-2R	(2S)	II	--	24	x	30	5.00	--	--	--	--	--	1	--	--	--
22-18	--	--	--	--	--	x	--	--	--	1	--	1	--	--	--	--	--
23-1	R2-1	(2M)	II	35	30	x	36	7.50	--	--	--	--	--	--	--	--	MOUNT ON LIGHT POLE
23-2	J4-1	(2S)	II	--	24	x	36	6.00	--	--	--	--	--	--	--	--	MOUNT ON LIGHT POLE
	M1-1	--	--	90	--	x	--	--	--	--	--	--	--	--	--	--	--
	M4-11cP	--	--	--	--	x	--	--	--	--	--	--	--	--	--	--	--
23-3	R4-7	(2S)	II	--	24	x	30	5.00	--	--	--	--	--	1	--	--	--
23-4	--	--	--	--	--	x	--	--	--	1	--	1	--	--	--	--	--
23-5	--	--	--	--	--	x	--	--	--	1	--	1	--	--	--	--	--
23-6	J4-2	(2S)	II	--	48	x	36	12.00	--	--	--	--	--	--	--	--	MOUNT ON LIGHT POLE
	M3-2	--	--	--	--	x	--	--	--	--	--	--	--	--	--	--	--
	M3-4	--	--	--	--	x	--	--	--	--	--	--	--	--	--	--	--
	M1-4	--	--	12	--	x	--	--	--	--	--	--	--	--	--	--	--
	M1-6	--	--	23	--	x	--	--	--	--	--	--	--	--	--	--	--
23-7	--	--	--	--	--	x	--	--	--	1	--	1	--	--	--	--	--

SIGN NO.	SIGN CODE & SIZE		SIGN TYPE	SIGN MESSAGE	TYPE II SIGN SIZE W [IN.]	x	H [IN.]	CAT 0010 637.2210 SIGNS TYPE II REFLC H [SF]	CAT 0080 637.2220 SIGNS TYPE II REFLC SH [SF]	CAT 0010 638.2602 REMOVING SIGNS TYPE II [EA]	CAT 0040 638.2602 REMOVING SIGNS TYPE II [EA]	CAT 0010 638.3000 REMOVING SMALL SIGN SUPPORTS [EA]	CAT 0040 638.3000 REMOVING SMALL SIGN SUPPORTS [EA]	CAT 0010 634.0618 POSTS WOOD 4"X 6"X18' [EA]	CAT 0010 638.2102 MOVING SIGNS TYPE II [EA]	MOUNT ON SAME POST AS SIGN #	REMARKS / NEW SIGN LOCATION
23-8	R3-20L	(2S)	II	--	24	x	36	6.00	--	--	--	--	--	1	--	--	--
23-9	R5-1	(2S)	II	--	30	x	30	6.25	--	--	--	--	--	--	--	--	MOUNT ON LIGHT POLE
23-10	R6-2R	(2S)	II	--	24	x	30	5.00	--	--	--	--	--	1	--	--	--
23-11	--	--	--	--	--	x	--	--	--	1	--	1	--	--	--	--	--
23-12	--	--	--	--	--	x	--	--	--	1	--	1	--	--	--	--	--
23-13	J13-1	(2S)	II	--	24	x	45	7.50	--	--	--	--	--	--	--	--	MOUNT ON LIGHT POLE
--	M1-5A	--	--	A	--	x	--	--	--	--	--	--	--	--	--	--	--
--	M6-6R	--	--	--	--	x	--	--	--	--	--	--	--	--	--	--	--
24-1	--	--	--	--	--	x	--	--	--	1	--	1	--	--	--	--	--
24-2	R10-3EL	(2S)	II	--	9	x	15	0.94	--	--	--	--	--	--	--	--	MOUNT ON SIGNAL POLE
24-3	--	--	--	--	--	x	--	--	--	1	--	--	--	--	--	--	--
24-4	--	--	--	--	--	x	--	--	--	1	--	--	--	--	--	--	--
24-5	R6-2L	(2S)	II	--	24	x	30	5.00	--	--	--	--	--	1	--	--	--
24-6	--	--	--	--	--	x	--	--	--	1	--	--	--	--	--	--	--
24-7	R10-3ER	(2S)	II	--	9	x	15	0.94	--	--	--	--	--	--	--	--	MOUNT ON SIGNAL POLE
24-8	R6-1R	(2S)	II	--	36	x	12	3.00	--	--	--	--	--	--	--	--	MOUNT ON SIGNAL POLE
--	R6-3	(2S)	II	--	30	x	24	5.00	--	--	--	--	--	--	--	--	--
24-9	R10-3EL	(2S)	II	--	9	x	15	0.94	--	--	--	--	--	--	--	--	MOUNT ON SIGNAL POLE
24-10	--	--	--	--	--	x	--	--	--	1	--	--	--	--	--	--	--
24-11	--	--	--	--	--	x	--	--	--	1	--	--	--	--	--	--	--
24-12	--	--	--	--	--	x	--	--	--	1	--	--	--	--	--	--	--
24-13	R5-1	(2S)	II	--	30	x	30	6.25	--	--	--	--	--	--	--	--	MOUNT ON SIGNAL POLE
24-14	R10-3ER	(2S)	II	--	9	x	15	0.94	--	--	--	--	--	--	--	24-11	MOUNT ON SIGNAL POLE
24-15	J13-1	(2S)	II	--	24	x	45	7.50	--	--	--	--	--	1	--	--	--
	M1-5A	--	--	A	--	x	--	--	--	--	--	--	--	--	--	--	--
	M6-1	--	--	--	--	x	--	--	--	--	--	--	--	--	--	--	--
24-16	--	--	--	--	--	x	--	--	--	1	--	1	--	--	--	--	--
24-17	--	--	--	--	--	x	--	--	--	--	--	--	--	--	2	--	MOUNT ON LIGHT POLE
24-18	--	--	--	--	--	x	--	--	--	2	--	1	--	--	--	--	--
24-19	--	--	--	--	--	x	--	--	--	1	--	1	--	--	--	--	--
24-20	--	--	--	--	--	x	--	--	--	1	--	1	--	--	--	--	--
24-21	--	--	--	--	--	x	--	--	--	1	--	1	--	--	--	--	--
24-22	R5-1	(2S)	II	--	30	x	30	6.25	--	--	--	--	--	1	--	--	--
24-23	--	--	--	--	--	x	--	--	--	1	--	1	--	--	--	--	--
24-24	R4-7	(2S)	II	--	24	x	30	5.00	--	--	--	--	--	1	--	--	--
24-25	--	--	--	--	--	x	--	--	--	1	--	1	--	--	--	--	--

TYPE II PERMANENT SIGNING CONT'D

SIGN NO.	SIGN CODE & SIZE		SIGN TYPE	SIGN MESSAGE	TYPE II SIGN SIZE W [IN.]	x	H [IN.]	**CAT 0010 637.2210** SIGNS TYPE II REFLC H [SF]	**CAT 0080 637.2220** SIGNS TYPE II REFLC SH [SF]	**CAT 0010 638.2602** REMOVING SIGNS TYPE II [EA]	**CAT 0040 638.2602** REMOVING SIGNS TYPE II [EA]	**CAT 0010 638.3000** REMOVING SMALL SIGN SUPPORTS [EA]	**CAT 0040 638.3000** REMOVING SMALL SIGN SUPPORTS [EA]	**CAT 0010 634.0618** POSTS WOOD 4"X 6"X18' [EA]	**CAT 0010 638.2102** MOVING SIGNS TYPE II [EA]	MOUNT ON SAME POST AS SIGN #	REMARKS / NEW SIGN LOCATION
24-26	--	--	--	--	--	x	--	--	--	1	--	--	--	--	--	--	--
24-27	R10-3ER	(2S)	II	--	9	x	15	0.94	--	--	--	--	--	--	--	--	MOUNT ON SIGNAL POLE
24-28	--	--	--	--	--	x	--	--	--	1	--	1	--	--	--	--	--
24-29	--	--	--	--	--	x	--	--	--	1	--	1	--	--	--	--	--
24-30	R10-3ER	(2S)	II	--	9	x	15	0.94	--	--	--	--	--	--	--	--	MOUNT ON SIGNAL POLE
24-31	R5-1	(2S)	II	--	30	x	30	6.25	--	--	--	--	--	--	--	24-28	MOUNT ON SIGNAL POLE
24-32	--	--	--	--	--	x	--	--	--	1	--	--	--	--	--	--	--
24-33	R10-3EL	(2S)	II	--	9	x	15	0.94	--	--	--	--	--	--	--	--	MOUNT ON SIGNAL POLE
24-34	--	--	--	--	--	x	--	--	--	--	2.00	--	1.00	--	--	--	--
24-35	R6-1R	(2S)	II	--	36	x	12	3.00	--	--	--	--	--	--	--	--	MOUNT ON SIGNAL POLE
--	R6-3	(2S)	II	--	30	x	24	5.00	--	--	--	--	--	--	--	--	--
24-36	--	--	--	--	--	x	--	--	--	1	--	1	--	--	--	--	--
24-37	--	--	--	--	--	x	--	--	--	1	--	1	--	--	--	--	--
24-38	R10-3EL	(2S)	II	--	9	x	15	0.94	--	--	--	--	--	--	--	--	MOUNT ON SIGNAL POLE
24-39	--	--	--	--	--	x	--	--	--	2	--	--	--	--	--	--	--
24-40	J13-3	(2S)	II	--	72	x	45	22.50	--	--	--	--	--	2	--	--	--
	M1-4	--	--	12	--	x	--	--	--	--	--	--	--	--	--	--	--
	M1-6	--	--	23	--	x	--	--	--	--	--	--	--	--	--	--	--
	M1-5A	--	--	A	--	x	--	--	--	--	--	--	--	--	--	--	--
	M6-4	--	--	--	--	x	--	--	--	--	--	--	--	--	--	--	--
	M6-4	--	--	--	--	x	--	--	--	--	--	--	--	--	--	--	--
	M6-1	--	--	--	--	x	--	--	--	--	--	--	--	--	--	--	--
24-41	R6-2L	(2S)	II	--	24	x	30	5.00	--	--	--	--	--	1	--	--	--
24-42	J4-4	(2S)	II	--	96	x	36	24.00	--	--	--	--	--	2	--	--	--
	M3-4	--	--	--	--	x	--	--	--	--	--	--	--	--	--	--	--
	M3-2	--	--	--	--	x	--	--	--	--	--	--	--	--	--	--	--
	M4-11cP	--	--	--	--	x	--	--	--	--	--	--	--	--	--	--	--
	M1-4	--	--	12	--	x	--	--	--	--	--	--	--	--	--	--	--
	M1-6	--	--	23	--	x	--	--	--	--	--	--	--	--	--	--	--
	M1-5A	--	--	A	--	x	--	--	--	--	--	--	--	--	--	--	--
	M1-1	--	--	90	--	x	--	--	--	--	--	--	--	--	--	--	--
24-43	--	--	--	--	--	x	--	--	--	1	--	2	--	--	--	--	--
24-44	--	--	--	--	--	x	--	--	--	--	--	--	--	--	1	--	MOUNT ON LIGHT POLE
24-45	R5-1	(2S)	II	--	30	x	30	6.25	--	--	--	--	--	1	--	--	--
24-46	--	--	--	--	--	x	--	--	--	1	--	1	--	--	--	--	--

SIGN NO.	SIGN CODE & SIZE		SIGN TYPE	SIGN MESSAGE	TYPE II SIGN SIZE W [IN.]	x	H [IN.]	CAT 0010 637.2210 SIGNS TYPE II REFLC H [SF]	CAT 0080 637.2220 SIGNS TYPE II REFLC SH [SF]	CAT 0010 638.2602 REMOVING SIGNS TYPE II [EA]	CAT 0040 638.2602 REMOVING SIGNS TYPE II [EA]	CAT 0010 638.3000 REMOVING SMALL SIGN SUPPORTS [EA]	CAT 0040 638.3000 REMOVING SMALL SIGN SUPPORTS [EA]	CAT 0010 634.0618 POSTS WOOD 4"X 6"X18' [EA]	CAT 0010 638.2102 MOVING SIGNS TYPE II [EA]	MOUNT ON SAME POST AS SIGN #	REMARKS / NEW SIGN LOCATION
24-47	R6-2R	(2S)	II	--	24	x	30	5.00	--	--	--	--	--	1	--	--	--
24-48	R6-2R	(2S)	II	--	24	x	30	5.00	--	--	--	--	--	--	--	24-43	--
24-49	R2-1	(2M)	II	35	30	x	36	7.50	--	--	--	--	--	--	--	--	MOUNT ON LIGHT POLE
24-50	--	--	--	--	--	x	--	--	--	--	--	--	--	--	1	--	--
25-1	R2-1	(2M)	II	35	30	x	36	7.50	--	--	--	--	--	--	--	--	MOUNT ON LIGHT POLE
25-2	--	--	--	--	--	x	--	--	--	1	--	1	--	--	--	--	--
25-3	R3-20L	(2S)	II	--	24	x	36	6.00	--	--	--	--	--	1	--	--	--
25-4	J12-1	(2S)	II	--	24	x	45	7.50	--	--	--	--	--	--	--	--	--
	M1-5A	--	--	A	--	x	--	--	--	--	--	--	--	--	--	--	--
	M1-5L	--	--	--	--	x	--	--	--	--	--	--	--	--	--	--	--
25-5	--	--	--	--	--	x	--	--	--	1	--	1	--	--	--	--	--
25-6	--	--	--	--	--	x	--	--	--	1	--	1	--	--	--	--	--
25-7	M1-94H	(2S)	II	DellShire Dr	108	x	18	13.50	--	--	--	--	--	--	--	--	MOUNT ON MAST ARM
25-8	R10-3EL	(2S)	II	--	9	x	15	0.94	--	--	--	--	--	--	--	--	MOUNT ON SIGNAL POLE
25-9	R10-3ER	(2S)	II	--	9	x	15	0.94	--	--	--	--	--	--	--	--	MOUNT ON SIGNAL POLE
	R6-1L	(2S)	II	--	36	x	12	3.00	--	--	--	--	--	--	--	--	MOUNT ON SIGNAL POLE
25-10	R6-1R	(2S)	II	--	36	x	12	3.00	--	--	--	--	--	--	--	--	MOUNT ON SIGNAL POLE
--	R6-3	(2S)	II	--	30	x	24	5.00	--	--	--	--	--	--	--	--	--
25-11	--	--	--	--	--	x	--	--	--	1	--	1	--	--	--	--	--
25-12	M1-94H	(2S)	II	Wis Dells Pkwy	102	x	18	12.75	--	--	--	--	--	--	--	--	MOUNT ON MAST ARM
25-13	--	--	--	--	--	x	--	--	--	1	--	1	--	--	--	--	--
25-14	--	--	--	--	--	x	--	--	--	1	--	--	--	--	--	--	--
25-15	R10-3EL	(2S)	II	--	9	x	15	0.94	--	--	--	--	--	--	--	--	MOUNT ON SIGNAL POLE
25-16	R5-1	(2S)	II	--	30	x	30	6.25	--	--	--	--	--	--	--	--	--
25-17	R3-20L	(2S)	II	--	24	x	36	6.00	--	--	--	--	--	1	--	--	--
25-18	--	--	--	--	--	x	--	--	--	1	--	1	--	--	--	--	--
25-19	--	--	--	--	--	x	--	--	--	1	--	1	--	--	--	--	--
25-20	R5-1A	(2S)	II	--	36	x	24	6.00	--	--	--	--	--	1	--	--	--
25-21	R4-7	(2S)	II	--	24	x	30	5.00	--	--	--	--	--	1	--	--	--
25-22	R10-3ER	(2S)	II	--	9	x	15	0.94	--	--	--	--	--	--	--	--	MOUNT ON SIGNAL POLE
25-23	R5-1	(2S)	II	--	30	x	30	6.25	--	--	--	--	--	--	--	25-19	MOUNT ON SIGNAL POLE
25-24	--	--	--	--	--	x	--	--	--	1	--	1	--	--	--	--	--
25-25	M1-94H	(2S)	II	Wis Dells Pkwy	102	x	18	12.75	--	--	--	--	--	--	--	--	MOUNT ON MAST ARM
25-26	R6-1R	(2S)	II	--	36	x	12	3.00	--	--	--	--	--	--	--	--	MOUNT ON SIGNAL POLE
--	R6-3	(2S)	II	--	30	x	24	5.00	--	--	--	--	--	--	--	--	--
25-27	--	--	--	--	--	x	--	--	--	1	--	1	--	--	--	--	--
25-28	R6-2L	(2S)	II	--	24	x	30	5.00	--	--	--	--	--	--	--	24-43	--
25-29	M1-94H	(2S)	II	DellShire Dr	108	x	18	13.50	--	--	--	--	--	--	--	--	MOUNT ON MAST ARM
25-30	R4-7	(2S)	II	--	24	x	30	5.00	--	--	--	--	--	1	--	--	--

SIGN NO.	SIGN CODE & SIZE		SIGN TYPE	SIGN MESSAGE	TYPE II SIGN SIZE W [IN.]	x	H [IN.]	CAT 0010 637.2210 SIGNS TYPE II REFLC H [SF]	CAT 0080 637.2220 SIGNS TYPE II REFLC SH [SF]	CAT 0010 638.2602 REMOVING SIGNS TYPE II [EA]	CAT 0040 638.2602 REMOVING SIGNS TYPE II [EA]	CAT 0010 638.3000 REMOVING SMALL SIGN SUPPORTS [EA]	CAT 0040 638.3000 REMOVING SMALL SIGN SUPPORTS [EA]	CAT 0010 634.0618 POSTS WOOD 4"X 6"X18' [EA]	CAT 0010 638.2102 MOVING SIGNS TYPE II [EA]	MOUNT ON SAME POST AS SIGN #	REMARKS / NEW SIGN LOCATION
26-1	R5-1A	(2S)	II	--	36	x	24	6.00	--	--	--	--	--	1	--	--	--
26-2	R3-20L	(2S)	II	--	24	x	36	6.00	--	--	--	--	--	1	--	--	--
26-3	R2-1	(2M)	II	35	30	x	36	7.50	--	--	--	--	--	--	--	--	MOUNT ON LIGHT POLE
26-4	--	--	--	--	--	x	--	--	--	1	--	1	--	--	--	--	--
26-5	--	--	--	--	--	x	--	--	--	1	--	1	--	--	--	--	--
26-6	--	--	--	--	--	x	--	--	--	1	--	1	--	--	--	--	--
27-1	--	--	--	--	--	x	--	--	--	1	--	1	--	--	--	--	--
27-2	--	--	--	--	--	x	--	--	--	1	--	1	--	--	--	--	--
27-3	R2-1	(2M)	II	35	30	x	36	7.50	--	--	--	--	--	--	--	--	MOUNT ON LIGHT POLE
27-4	R4-7	(2S)	II	--	24	x	30	5.00	--	--	--	--	--	1	--	--	--
27-5	R6-2L	(2S)	II	--	24	x	30	5.00	--	--	--	--	--	1	--	--	--
27-6	--	--	--	--	--	x	--	--	--	1	--	1	--	--	--	--	--
27-7	R4-7	(2S)	II	--	24	x	30	5.00	--	--	--	--	--	1	--	--	--
27-8	--	--	--	--	--	x	--	--	--	1	--	1	--	--	--	--	--
27-9	J1-2	(2S)	II	--	48	x	39	13.00	--	--	--	--	--	--	--	--	MOUNT ON LIGHT POLE
	M2-1	--	--	--	--	x	--	--	--	--	--	--	--	--	--	--	--
	M2-1	--	--	--	--	x	--	--	--	--	--	--	--	--	--	--	--
	M1-6	--	--	13	--	x	--	--	--	--	--	--	--	--	--	--	--
	M1-6	--	--	16	--	x	--	--	--	--	--	--	--	--	--	--	--
27-10	R5-1A	(2S)	II	--	36	x	24	6.00	--	--	--	--	--	--	--	27-9	MOUNT ON LIGHT POLE
27-11	--	--	--	--	--	x	--	--	--	1	--	1	--	--	--	--	--
27-12	R5-1	(2S)	II	--	30	x	30	6.25	--	--	--	--	--	1	--	--	--
27-13	--	--	--	--	--	x	--	--	--	1	--	2	--	--	--	--	--
27-14	J2-4	(2S)	II	--	96	x	57	38.00	--	--	--	--	--	2	--	--	--
	M3-3	--	--	--	--	x	--	--	--	--	--	--	--	--	--	--	--
	M3-1	--	--	--	--	x	--	--	--	--	--	--	--	--	--	--	--
	M3-2	--	--	--	--	x	--	--	--	--	--	--	--	--	--	--	--
	M3-2	--	--	--	--	x	--	--	--	--	--	--	--	--	--	--	--
	M1-6	--	--	13	--	x	--	--	--	--	--	--	--	--	--	--	--
	M1-6	--	--	13	--	x	--	--	--	--	--	--	--	--	--	--	--
	M1-6	--	--	16	--	x	--	--	--	--	--	--	--	--	--	--	--
	M1-6	--	--	23	--	x	--	--	--	--	--	--	--	--	--	--	--
	M5-1L	--	--	--	--	x	--	--	--	--	--	--	--	--	--	--	--
	M5-1R	--	--	--	--	x	--	--	--	--	--	--	--	--	--	--	--
	M5-1R	--	--	--	--	x	--	--	--	--	--	--	--	--	--	--	--
	M5-1R	--	--	--	--	x	--	--	--	--	--	--	--	--	--	--	--
28-1	--	--	--	--	--	x	--	--	--	1	--	--	--	--	--	--	--
28-2	--	--	--	--	--	x	--	--	--	1	--	1	--	--	--	--	--

SIGN NO.	SIGN CODE & SIZE		SIGN TYPE	SIGN MESSAGE	TYPE II SIGN SIZE W [IN.]	x	H [IN.]	CAT 0010 637.2210 SIGNS TYPE II REFLC H [SF]	CAT 0080 637.2220 SIGNS TYPE II REFLC SH [SF]	CAT 0010 638.2602 REMOVING SIGNS TYPE II [EA]	CAT 0040 638.2602 REMOVING SIGNS TYPE II [EA]	CAT 0010 638.3000 REMOVING SMALL SIGN SUPPORTS [EA]	CAT 0040 638.3000 REMOVING SMALL SIGN SUPPORTS [EA]	CAT 0010 634.0618 POSTS WOOD 4"X 6"X18' [EA]	CAT 0010 638.2102 MOVING SIGNS TYPE II [EA]	MOUNT ON SAME POST AS SIGN #	REMARKS / NEW SIGN LOCATION
28-3	R2-1	(2M)	II	35	30	x	36	7.50	--	--	--	--	--	--	--	--	MOUNT ON LIGHT POLE
28-4	--	--	--	--	--	x	--	--	--	1	--	1	--	--	--	--	--
28-5	R6-2R	(2S)	II	--	24	x	30	5.00	--	--	--	--	--	1	--	--	--
28-6	R4-7	(2S)	II	--	24	x	30	5.00	--	--	--	--	--	1	--	--	--
28-7	R5-1	(2S)	II	--	30	x	30	6.25	--	--	--	--	--	1	--	--	--
28-8	--	--	--	--	--	x	--	--	--	1	--	--	--	--	--	--	--
28-9	--	--	--	--	--	x	--	--	--	1	--	2	--	--	--	--	--
28-10	J3-4	(2S)	II	--	96	x	36	24.00	--	--	--	--	--	2	--	--	--
	M3-4	--	--	--	--	x	--	--	--	--	--	--	--	--	--	--	--
	M3-2	--	--	--	--	x	--	--	--	--	--	--	--	--	--	--	--
	M4-11cP	--	--	--	--	x	--	--	--	--	--	--	--	--	--	--	--
	M1-4	--	--	12	--	x	--	--	--	--	--	--	--	--	--	--	--
	M1-6	--	--	23	--	x	--	--	--	--	--	--	--	--	--	--	--
	M1-5A	--	--	A	--	x	--	--	--	--	--	--	--	--	--	--	--
	M1-1	--	--	90	--	x	--	--	--	--	--	--	--	--	--	--	--
28-11	R6-2R	(2S)	II	--	24	x	30	5.00	--	--	--	--	--	1	--	--	--
28-12	R5-1	(2S)	II	--	30	x	30	6.25	--	--	--	--	--	1	--	--	--
28-13	R4-7	(2S)	II	--	24	x	30	5.00	--	--	--	--	--	1	--	--	--
28-14	R4-7	(2S)	II	--	24	x	30	5.00	--	--	--	--	--	1	--	--	--
28-15	R3-20L	(2S)	II	--	24	x	36	6.00	--	--	--	--	--	1	--	--	--
28-16	--	--	--	--	--	x	--	--	--	1	--	2	--	--	--	--	--

TYPE II PERMANENT SIGNING CONT'D

SIGN NO.	SIGN CODE & SIZE		SIGN TYPE	SIGN MESSAGE	TYPE II SIGN SIZE W [IN.]	x	H [IN.]	CAT 0010 637.2210 SIGNS TYPE II REFLC H [SF]	CAT 0080 637.2220 SIGNS TYPE II REFLC SH [SF]	CAT 0010 638.2602 REMOVING SIGNS TYPE II [EA]	CAT 0040 638.2602 REMOVING SIGNS TYPE II [EA]	CAT 0010 638.3000 REMOVING SMALL SIGN SUPPORTS [EA]	CAT 0040 638.3000 REMOVING SMALL SIGN SUPPORTS [EA]	CAT 0010 634.0618 POSTS WOOD 4"X 6"X18' [EA]	CAT 0010 638.2102 MOVING SIGNS TYPE II [EA]	MOUNT ON SAME POST AS SIGN #	REMARKS / NEW SIGN LOCATION
28-17	J3-4	(2S)	II	--	96	x	57	38.00	--	--	--	--	--	2	--	--	--
	M3-4	--	--	--	--	x	--	--	--	--	--	--	--	--	--	--	--
	M3-2	--	--	--	--	x	--	--	--	--	--	--	--	--	--	--	--
	M4-11cP	--	--	--	--	x	--	--	--	--	--	--	--	--	--	--	--
	M1-4	--	--	12	--	x	--	--	--	--	--	--	--	--	--	--	--
	M1-6	--	--	16	--	x	--	--	--	--	--	--	--	--	--	--	--
	M1-5A	--	--	A	--	x	--	--	--	--	--	--	--	--	--	--	--
	M1-1	--	--	90	--	x	--	--	--	--	--	--	--	--	--	--	--
	M6-1	--	--	--	--	x	--	--	--	--	--	--	--	--	--	--	--
	M6-1	--	--	--	--	x	--	--	--	--	--	--	--	--	--	--	--
	M6-1	--	--	--	--	x	--	--	--	--	--	--	--	--	--	--	--
	M6-1	--	--	--	--	x	--	--	--	--	--	--	--	--	--	--	--
28-18	R5-1A	(2S)	II	--	36	x	24	6.00	--	--	--	--	--	--	--	28-19	--
28-19	--	--	--	--	--	x	--	--	--	1	--	2	--	--	--	--	--
28-20	--	--	--	--	--	x	--	--	--	1	--	2	--	--	--	--	--
28-21	--	--	--	--	--	x	--	--	--	1	--	2	--	--	--	--	--
28-22	R3-8LEAR	(2S)	II	--	72	x	30	15.00	--	--	--	--	--	2	--	--	--
28-23	R3-8LEAR	(2S)	II	--	72	x	30	15.00	--	--	--	--	--	2	--	--	--
28-24	E6-54L	--	II	--	48	x	84	--	28.00	--	--	--	--	--	--	--	MOUNT ON MAST ARM
28-25	E6-52	--	II	--	120	x	96	--	80.00	--	--	--	--	--	--	--	MOUNT ON MAST ARM
28-26	E6-54A	--	II	--	108	x	102	--	76.50	--	--	--	--	--	--	--	MOUNT ON MAST ARM
28-27	E6-54R	--	II	--	108	x	120	--	90.00	--	--	--	--	--	--	--	MOUNT ON MAST ARM
28-28	--	--	--	--	--	x	--	--	--	1	--	--	--	--	--	--	--
28-29	--	--	--	--	--	x	--	--	--	1	--	--	--	--	--	--	--
28-30	R5-1	(2S)	II	--	30	x	30	6.25	--	--	--	--	--	1	--	--	--
28-31	--	--	--	--	--	x	--	--	--	1	--	--	--	--	--	--	--
28-32	--	--	--	--	--	x	--	--	--	1	--	--	--	--	--	--	--
28-33	R56-2R	(2S)	II	--	24	x	30	5.00	--	--	--	--	--	1	--	--	--
28-34	--	--	--	--	--	x	--	--	--	1	--	1	--	--	--	--	--
28-35	--	--	--	--	--	x	--	--	--	--	--	--	--	1	2	--	--
28-36	--	--	--	--	--	x	--	--	--	1	--	1	--	--	--	--	--
28-37	W4-6R	(2S)	II	--	36	x	36	9.00	--	--	--	--	--	1	--	--	--
29-1	R3-20L	(2S)	II	--	24	x	36	6.00	--	--	--	--	--	1	--	--	--
29-2	R5-1	(2S)	II	--	30	x	30	6.25	--	--	--	--	--	--	--	--	MOUNT ON SIGNAL POLE
29-3	--	--	--	--	--	x	--	--	--	1	--	--	--	--	--	--	--
29-4	R6-1R	(2S)	II	--	36	x	12	3.00	--	--	--	--	--	--	--	--	MOUNT ON SIGNAL POLE
--	R6-3	(2S)	II	--	30	x	24	5.00	--	--	--	--	--	--	--	--	--
29-5	R4-7	(2S)	II	--	24	x	30	5.00	--	--	--	--	--	1	--	--	--
29-6	R10-3EL	(2S)	II	--	9	x	15	0.94	--	--	--	--	--	--	--	--	MOUNT ON SIGNAL POLE
29-7	R6-2L	(3)	II	--	36	x	48	12.00	--	--	--	--	--	1	--	--	--
29-8	--	--	--	--	--	x	--	--	--	1	--	--	--	--	--	--	--

TYPE II PERMANENT SIGNING CONT'D

SIGN NO.	SIGN CODE & SIZE		SIGN TYPE	SIGN MESSAGE	TYPE II SIGN SIZE W [IN.]	x	H [IN.]	**CAT 0010 637.2210** SIGNS TYPE II REFLC H [SF]	**CAT 0080 637.2220** SIGNS TYPE II REFLC SH [SF]	**CAT 0010 638.2602** REMOVING SIGNS TYPE II [EA]	**CAT 0040 638.2602** REMOVING SIGNS TYPE II [EA]	**CAT 0010 638.3000** REMOVING SMALL SIGN SUPPORTS [EA]	**CAT 0040 638.3000** REMOVING SMALL SIGN SUPPORTS [EA]	**CAT 0010 634.0618** POSTS WOOD 4"X6"X18' [EA]	**CAT 0010 638.2102** MOVING SIGNS TYPE II [EA]	MOUNT ON SAME POST AS SIGN #	REMARKS / NEW SIGN LOCATION
29-9	R10-3ER	(2S)	II	--	9	x	15	0.94	--	--	--	--	--	--	--	--	MOUNT ON SIGNAL POLE
29-10	R6-1R	(2S)	II	--	36	x	12	3.00	--	--	--	--	--	--	--	--	MOUNT ON SIGNAL POLE
--	R6-3	(2S)	II	--	30	x	24	5.00	--	--	--	--	--	--	--	--	--
29-11	--	--	--	--	--	x	--	--	--	1	--	--	--	--	--	--	--
29-12	--	--	--	--	--	x	--	--	--	1	--	--	--	--	--	--	--
29-13	R10-3EL	(2S)	II	--	9	x	15	0.94	--	--	--	--	--	--	--	--	MOUNT ON SIGNAL POLE
29-14	R10-3ER	(2S)	II	--	9	x	15	0.94	--	--	--	--	--	--	--	29-2	MOUNT ON SIGNAL POLE
29-15	R6-2L	(3)	II	--	36	x	48	12.00	--	--	--	--	--	1	--	--	--
29-16	--	--	--	--	--	x	--	--	--	1	--	--	--	--	--	--	--
29-17	--	--	--	--	--	x	--	--	--	1	--	--	--	--	--	--	--
29-18	--	--	--	--	--	x	--	--	--	1	--	--	--	--	--	--	--
29-19	R10-3EL	(2S)	II	--	9	x	15	0.94	--	--	--	--	--	--	--	--	MOUNT ON SIGNAL POLE
29-20	--	--	--	--	--	x	--	--	--	1	--	--	--	--	--	--	--
29-21	--	--	--	--	--	x	--	--	--	1	--	--	--	--	--	--	--
29-22	--	--	--	--	--	x	--	--	--	1	--	--	--	--	--	--	--
29-23	R4-7	(2S)	II	--	24	x	30	5.00	--	--	--	--	--	1	--	--	--
29-24	R4-7	(2S)	II	--	24	x	30	5.00	--	--	--	--	--	1	--	--	--
29-25	--	--	--	--	--	x	--	--	--	1	--	--	--	--	--	--	--
29-26	--	--	--	--	--	x	--	--	--	1	--	--	--	--	--	--	--
29-27	R6-1R	(2S)	II	--	36	x	12	3.00	--	--	--	--	--	--	--	--	MOUNT ON SIGNAL POLE
--	R6-3	(2S)	II	--	30	x	24	5.00	--	--	--	--	--	--	--	--	--
29-28	R5-1	(2S)	II	--	30	x	30	6.25	--	--	--	--	--	--	--	--	MOUNT ON SIGNAL POLE
29-29	R10-3ER	(2S)	II	--	9	x	15	0.94	--	--	--	--	--	--	--	29-23	MOUNT ON SIGNAL POLE
29-30	W4-3R	(2S)	II	--	30	x	30	6.25	--	--	--	--	--	--	--	29-15	MOUNT ON SIGNAL POLE
29-31	R6-2L	(3)	II	--	36	x	48	12.00	--	--	--	--	--	1	--	--	--
29-32	--	--	--	--	--	x	--	--	--	1	--	--	--	--	--	--	--
29-33	R4-7	(2S)	II	--	24	x	30	5.00	--	--	--	--	--	1	--	--	--
29-34	--	--	--	--	--	x	--	--	--	1	--	--	--	--	--	--	--
29-35	--	--	--	--	--	x	--	--	--	1	--	--	--	--	--	--	--
29-36	R6-1R	(2S)	II	--	36	x	12	3.00	--	--	--	--	--	--	--	--	MOUNT ON SIGNAL POLE
--	R6-3	(2S)	II	--	30	x	24	5.00	--	--	--	--	--	--	--	--	--
29-37	R10-3EL	(2S)	II	--	9	x	15	0.94	--	--	--	--	--	--	--	--	MOUNT ON SIGNAL POLE
29-38	R10-3ER	(2S)	II	--	9	x	15	0.94	--	--	--	--	--	--	--	--	MOUNT ON SIGNAL POLE
29-39	R5-1	(2S)	II	--	30	x	30	6.25	--	--	--	--	--	--	--	29-31	MOUNT ON SIGNAL POLE
29-31	R6-2L	(3)	II	--	36	x	48	12.00	--	--	--	--	--	1	--	--	--
ID 6145-01-74 TOTAL								825.50	274.50	83	2	59	1	66	8		

TRAFFIC CONTROL

	STAGE	DURATION DAYS	CAT 0010 643.0300 TRAFFIC CONTROL DRUMS EACH	CAT 0010 643.0300 TRAFFIC CONTROL DRUMS DAY	CAT 0010 643.0420 * TRAFFIC CONTROL BARRICADES TYPE III EACH	CAT 0010 643.0420 * TRAFFIC CONTROL BARRICADES TYPE III DAY	CAT 0010 643.0705 * TRAFFIC CONTROL WARNING LIGHTS TYPE A EACH	CAT 0010 643.0705 * TRAFFIC CONTROL WARNING LIGHTS TYPE A DAY	CAT 0010 643.0715 TRAFFIC CONTROL WARNING LIGHTS TYPE C EACH	CAT 0010 643.0715 TRAFFIC CONTROL WARNING LIGHTS TYPE C DAY	CAT 0010 643.0810 TRAFFIC CONTROL CONNECTED ARROW BOARD EACH	CAT 0010 643.0810 TRAFFIC CONTROL CONNECTED ARROW BOARD DAY	CAT 0010 643.0900 * TRAFFIC CONTROL SIGNS EACH	CAT 0010 643.0900 * TRAFFIC CONTROL SIGNS DAY	CAT 0010 643.1050* TRAFFIC CONTROL SIGNS PCMS EACH	CAT 0010 643.1050* TRAFFIC CONTROL SIGNS PCMS DAY	CAT 0010 643.1220 TRAFFIC CONTROL CONNECTED WORK ZONE START AND END LOCATION MARKERS EACH	CAT 0010 643.1220 TRAFFIC CONTROL CONNECTED WORK ZONE START AND END LOCATION MARKERS DAY
ID 6145-01-73																		
	USH 12 - NB (STAGE 1)	276	219	35,040	8	1,280	16	2,560	9	1,440	1	160	29	4,640	-	-	1	160
	USH 12 - NB (POST-STAGE 1)	28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	28
	USH 12 - NB (STAGE 2)	115	252	17,892	3	213	6	426	21	1,491	1	71	45	3,195	-	-	-	-
	USH 12 - NB (STAGE 3)	160	342	54,720	40	6,400	80	12,800	-	-	-	-	111	17,760	-	-	-	-
	USH 12 - NB (POST-STAGE 3)	28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	NB SUBTOTAL		813	107,652	51	7,893	102	15,786	30	2,931	2	231	185	25,595	0	0	2	188
	USH 12 - SB (STAGE 4A)	42	103	4,326	10	420	20	840	10	420	1	42	36	1,512	-	-	-	-
	USH 12 - SB (STAGE 4B)	28	104	2,912	6	168	12	336	7	196	-	-	20	560	-	-	-	-
	USH 12 - SB (STAGE 4)	71	222	15,762	-	-	-	-	-	-	-	-	10	710	-	-	-	-
	USH 12 - SB (STAGE 5)	16	367	5,872	27	432	54	864	9	144	1	16	56	896	-	-	1	16
	USH 12 - SB (STAGE 6)	33	181	2,896	6	96	12	192	-	-	-	-	17	272	-	-	1	16
	SB SUBTOTAL		977	31,768	49	1,116	98	2,232	26	760	2	58	139	3,950	0	0	2	32
	ID 6145-01-73 TOTAL		1,790	139,420	100	9,009	200	18,018	56	3,691	4	289	324	29,545	0	0	4	220
ID 6145-01-72																		
	USH 12 - NB (STAGE 1)	276	254	70,104	32	8,832	64	17,664	-	-	-	-	72	19,872	-	-	1	276
	USH 12 - NB (POST-STAGE 1)	28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	USH 12 - NB (STAGE 3)	160	362	57,920	11	1,760	22	3,520	-	-	-	-	29	4,640	-	-	-	-
	USH 12 - NB (POST-STAGE 3)	28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	NB SUBTOTAL		616	128,024	43	10,592	86	21,184	0	0	0	0	101	24,512	0	0	1	276
	USH 12 - SB (STAGE 2)	115	226	25,990	12	1,380	24	2,760	-	-	-	-	29	3,335	-	-	-	-
	USH 12 - MEDIAN (STAGE 3)	46	100	4,600	9	414	18	828	-	-	-	-	25	1,150	-	-	-	-
	USH 12 - SB (STAGE 4)	71	116	8,236	-	-	-	-	9	639	1	71	8	568	-	-	1	71
	USH 12 - SB (STAGE 5)	16	121	8,591	9	639	18	1,278	9	639	1	71	16	1,136	-	-	1	71
	USH 12 - SB (STAGE 6)	33	30	2,130	-	-	-	-	9	639	1	71	5	355	-	-	1	71
	SB SUBTOTAL		593	49,547	30	2,433	60	4,866	27	1,917	3	213	83	6,544	0	0	3	213
	ID 6145-01-72 TOTAL		1,209	177,571	73	13,025	146	26,050	27	1,917	3	213	184	31,056	0	0	4	489
ID 6145-01-74																		
	USH 12 - NB (STAGE 1)	276	124	34,224	21	5,796	42	11,592	7	1,932	1	276	36	9,936	-	-	6	1,656
	USH 12 - NB (STAGE 1A)	248	70	19,320	5	1,380	10	2,760	-	-	-	-	12	3,312	-	-	1	276
	USH 12 - NB (STAGE 1B)	28	133	36,708	19	5,244	38	10,488	2	552	1	276	28	7,728	1	7	2	552
	USH 12 - NB (STAGE 1C)	28	66	18,216	8	2,208	16	4,416	2	552	2	552	22	6,072	-	-	2	552
	USH 12 - NB (POST - STAGE 1)	28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	NB SUBTOTAL		393	108,468	53	14,628	106	29,256	11	3,036	4	1,104	98	27,048	1	7	11	3,036
	USH 12 - MEDIAN (PRE - STAGE)	14	208	57,408	14	3,864	28	7,728	6	1,656	2	552	25	6,900	-	-	6	1,656
	USH 12 - SB (STAGE 2)	115	177	20,355	9	1,035	18	2,070	-	-	-	-	25	2,875	-	-	1	115
	USH 12 - MEDIAN (STAGE 3)	46	366	16,836	2	92	4	184	-	-	-	-	7	322	-	-	-	-
	SB SUBTOTAL		751	94,599	25	4,991	50	9,982	6	1,656	2	552	57	10,097	0	0	7	1,771
	ID 6145-01-74 TOTAL		1,144	203,067	78	19,619	156	39,238	17	4,692	6	1,656	155	37,145	1	7	18	4,807
	CATEGORY TOTAL		4,143	520,058	251	41,653	502	83,306	100	10,300	13	2,158	663	97,746	1	7	26	5,516
	GRAND TOTAL		4,143	520,058	251	41,653	502	83,306	100	10,300	13	2,158	663	97,746	1	7	26	5,516

*ADDITIONAL QUANTITIES SHOWN ELSEWHERE

DETOUR

STAGE	DURATION DAYS	CAT 0010 643.0420 * TRAFFIC CONTROL BARRICADES TYPE III EACH	CAT 0010 643.0420 * TRAFFIC CONTROL BARRICADES TYPE III DAY	CAT 0010 643.0705 * TRAFFIC CONTROL WARNING LIGHTS TYPE A EACH	CAT 0010 643.0705 * TRAFFIC CONTROL WARNING LIGHTS TYPE A DAY	CAT 0010 643.0900 * TRAFFIC CONTROL SIGNS EACH	CAT 0010 643.0900 * TRAFFIC CONTROL SIGNS DAY	CAT 0010 643.1050 * TRAFFIC CONTROL SIGNS PCMS EACH	CAT 0010 643.1050 * TRAFFIC CONTROL SIGNS PCMS DAY
ID 6145-01-73									
USH 12 - DETOUR (STAGE 1)	276	-	-	-	-	-	-	-	-
USH 12 - DETOUR (STAGE 2)	115	-	-	-	-	-	-	-	-
USH 12 - DETOUR (STAGE 3)	160	2	320	4	640	81	12,960	2	14
USH 12 - DETOUR (STAGE 4)	71	2	142	4	284	81	5,751	2	14
USH 12 - DETOUR (STAGE 5)	16	-	-	-	-	-	-	2	14
USH 12 - BUSINESS SIGNING (STAGES 1 & 2)	392	-	-	-	-	-	-	-	-
USH 12 - BUSINESS SIGNING (STAGE 3)	160	2	320	4	640	5	840	-	-
USH 12 - BUSINESS SIGNING (STAGE 4)	71	2	142	4	284	5	320	-	-
ID 6145-01-73 TOTAL		8	924	16	1,848	172	19,871	6	42
ID 6145-01-72									
USH 12 - DETOUR (STAGE 1)	276	-	-	-	-	27	7,452	1	7
USH 12 - DETOUR (STAGE 2)	115	-	-	-	-	-	-	1	7
USH 12 - DETOUR (STAGE 3)	160	-	-	-	-	27	4,320	1	7
USH 12 - DETOUR (STAGE 4)	71	-	-	-	-	27	1,917	1	7
USH 12 - DETOUR (STAGE 5)	16	-	-	-	-	-	-	1	7
USH 12 - BUSINESS SIGNING (STAGES 1 & 2)	392	-	-	-	-	2	882	-	-
USH 12 - BUSINESS SIGNING (STAGE 3)	160	-	-	-	-	2	280	-	-
USH 12 - BUSINESS SIGNING (STAGE 4)	71	-	-	-	-	2	107	-	-
ID 6145-01-72 TOTAL		0	0	0	0	87	14,958	5	35
ID 6145-01-74									
USH 12 - DETOUR (STAGE 1)	276	2	552	4	1,104	81	22,356	2	14
USH 12 - DETOUR (STAGE 2)	115	-	-	-	-	-	-	2	14
USH 12 - DETOUR (STAGE 3)	160	-	-	-	-	-	-	-	-
USH 12 - DETOUR (STAGE 4)	71	-	-	-	-	-	-	-	-
USH 12 - DETOUR (STAGE 5)	16	-	-	-	-	-	-	-	-
USH 12 - BUSINESS SIGNING (STAGES 1 & 2)	392	2	784	4	1,568	7	5	-	-
USH 12 - BUSINESS SIGNING (STAGE 3)	160	-	-	-	-	-	-	-	-
USH 12 - BUSINESS SIGNING (STAGE 4)	71	-	-	-	-	-	-	-	-
ID 6145-01-74 TOTAL		4	1,336	8	2,672	88	22,361	4	28
CATEGORY TOTAL		12	2,260	24	4,520	346	57,189	15	105
GRAND TOTAL		12	2,260	24	4,520	346	57,189	15	105

*ADDITIONAL QUANTITIES SHOWN ELSEWHERE

TRAFFIC CONTROL

STAGE	CAT 0010 643.0500 TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER POSTS EACH	CAT 0010 643.0600 TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER BASES EACH
ID 6145-01-73		
USH 12 - NB (STAGE 1)	-	-
USH 12 - NB (POST - STAGE 1)	-	-
USH 12 - NB (STAGE 2)	29	29
USH 12 - NB (STAGE 3)	-	-
USH 12 - NB (POST - STAGE 3)	-	-
NB SUBTOTAL	29	29
USH 12 - SB (STAGE 4A)	8	8
USH 12 - SB (STAGE 4B)	-	-
USH 12 - SB (STAGE 4)	25	25
USH 12 - SB (STAGE 5)	-	-
SB SUBTOTAL	33	33
ID 6145-01-73 TOTAL	62	62
ID 6145-01-72		
USH 12 - NB (STAGE 1)	-	-
USH 12 - NB (POST - STAGE 1)	72	72
USH 12 - NB (STAGE 3)	-	-
USH 12 - NB (POST - STAGE 3)	20	20
NB SUBTOTAL	92	92
USH 12 - SB (STAGE 2)	14	14
USH 12 - MEDIAN (STAGE 3)	-	-
USH 12 - SB (STAGE 4)	10	10
USH 12 - SB (STAGE 5)	-	-
SB SUBTOTAL	24	24
ID 6145-01-72 TOTAL	116	116
ID 6145-01-74		
USH 12 - NB (STAGE 1)	12	12
USH 12 - NB (STAGE 1A)	-	-
USH 12 - NB (STAGE 1B)	-	-
USH 12 - NB (STAGE 1C)	-	-
USH 12 - NB (POST - STAGE 1)	9	9
NB SUBTOTAL	21	21
USH 12 - MEDIAN (PRE - STAGE)	-	-
USH 12 - SB (STAGE 2)	27	27
USH 12 - SB (STAGE 3)	-	-
SB SUBTOTAL	27	27
ID 6145-01-74 TOTAL	48	48
CATEGORY TOTAL	226	226
GRAND TOTAL	226	226

TEMPORARY MARKING LINE

STAGE	CAT 0010 643.3165 PAINT 6-INCH (WHITE) LF	CAT 0010 643.3165 PAINT 6-INCH (YELLOW) LF	CAT 0010 643.3180 REMOVABLE TAPE 6-INCH (WHITE) LF	CAT 0010 643.3180 REMOVABLE TAPE 6-INCH (YELLOW) LF	CAT 0010 643.3265 PAINT 10-INCH (WHITE) LF	CAT 0010 643.3280 REMOVABLE TAPE 10-INCH (WHITE) LF	CAT 0010 643.3805 TEMPORARY MARKING STOP LINE PAINT 18-INCH LF	CAT 0010 643.3850 TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH LF	CAT 0010 643.3990 TEMPORARY MARKING REMOVABLE MASK OUT TAPE 12-INCH LF	CAT 0010 646.6466 COLD WEATHER MARKING EPOXY 6-INCH LF	CAT 0010 646.6470 COLD WEATHER MARKING EPOXY 10-INCH LF
ID 6145-01-73											
USH 12 - NB (STAGE 1)	246	-	-	-	-	-	-	-	84	-	-
USH 12 - NB (POST-STAGE 1)	-	-	-	-	-	-	-	-	-	-	-
USH 12 - NB (STAGE 2)	4,778	8,064	-	-	150	-	-	-	-	-	-
USH 12 - NB (STAGE 3)	5,638	392	-	-	-	-	-	-	-	-	-
USH 12 - NB (POST-STAGE 3)	1,170	-	-	-	-	-	-	-	-	-	-
NB SUBTOTAL	11,832	8,456	0	0	150	0	0	0	84	0	0
USH 12 - SB (STAGE 4A)	-	-	314	2,036	-	-	-	-	-	-	-
USH 12 - SB (STAGE 4B)	-	-	1,229	1,208	-	-	-	-	-	-	-
USH 12 - SB (STAGE 4)	-	-	3,196	6,329	-	152	-	22	-	17,395	596
USH 12 - SB (STAGE 5)	-	-	342	-	-	-	-	-	-	-	-
USH 12 - SB (STAGE 6)	-	-	-	-	-	-	-	-	-	-	-
SB SUBTOTAL	0	0	5,081	9,573	0	152	0	22	0	17,395	596
ID 6145-01-73 TOTAL	11,832	8,456	5,081	9,573	150	152	0	22	84	17,395	596
ID 6145-01-72											
USH 12 - NB (STAGE 1)	251	4,387	-	-	-	-	-	-	-	-	-
USH 12 - NB (POST-STAGE 1)	802	3,818	-	6,884	-	-	-	-	-	-	-
USH 12 - NB (STAGE 3)	-	-	606	620	-	-	-	-	-	-	-
USH 12 - NB (POST-STAGE 3)	-	-	13	-	-	-	-	-	-	-	-
NB SUBTOTAL	1,053	8,205	619	7,504	0	0	0	0	0	0	0
USH 12 - SB (STAGE 2)	883	-	563	8,871	-	-	-	21	-	-	-
USH 12 - SB (STAGE 4)	-	-	1,314	1,618	-	-	-	-	-	17,991	559
USH 12 - SB (STAGE 5)	-	-	348	-	-	134	-	-	-	-	-
USH 12 - SB (STAGE 6)	-	-	245	-	-	-	-	-	-	-	-
SB SUBTOTAL	883	0	2,470	10,489	0	134	0	21	0	17,991	559
ID 6145-01-72 TOTAL	1,936	8,205	3,089	17,993	0	134	0	21	0	17,991	559
ID 6145-01-74											
USH 12 - NB (STAGE 1)	680	4,931	746	1,710	248	60	22	-	-	-	-
USH 12 - NB (STAGE 1A)	753	1,738	-	-	-	-	21	-	-	-	-
USH 12 - NB (STAGE 1B)	-	-	-	-	-	-	-	-	-	-	-
USH 12 - NB (STAGE 1C)	-	-	-	-	-	-	-	-	-	-	-
USH 12 - NB (POST-STAGE 1)	72	1,418	-	-	-	-	33	36	-	-	-
NB SUBTOTAL	1,504	8,087	746	1,710	248	60	76	36	0	0	0
USH 12 - MEDIAN (PRE-STAGE)	-	-	-	-	-	-	-	-	-	-	-
USH 12 - SB (STAGE 2)	-	-	543	7,749	-	750	-	52	-	18,091	1,392
USH 12 - SB (STAGE 3)	-	-	-	-	-	840	-	-	-	-	-
SB SUBTOTAL	0	0	543	7,749	0	1,590	0	52	0	18,091	1,392
ID 6145-01-74 TOTAL	1,504	8,087	1,289	9,459	248	1,650	76	88	0	18,091	1,392
CATEGORY TOTAL	15,272	24,748	9,459	37,025	398	1,936	76	131	84	53,477	2,547
GRAND TOTAL	40,020		46,484		398	1,936	76	131	84	53,477	2,547

3

FIELD OFFICE

STATION	CAT 0010 642.5401 TYPE D EACH
ID 6130-01-72*	0.005
ID 6145-01-73	0.340
ID 6145-01-72	0.390
ID 6145-01-74	0.235
GRAND TOTAL	0.965

* QUANTITY SHOWN IN ID 6130-01-72 PLANS

TRAFFIC CONTROL

STATION	CAT 0010 643.5000 TRAFFIC CONTROL EACH
ID 6130-01-72*	0.005
ID 6145-01-73	0.340
ID 6145-01-72	0.390
ID 6145-01-74	0.235
GRAND TOTAL	0.970

* QUANTITY SHOWN IN ID 6130-01-72 PLANS

3

TEMPORARY PEDESTRIAN FACILITIES

STAGE	CAT 0010 643.0900 * TRAFFIC CONTROL SIGNS EACH	DAY	CAT 0010 643.3350 TEMPORARY MARKING CROSSWALK REMOVABLE TAPE 6-INCH LF	CAT 0010 644.1410 SURFACE ASPHALT SF	CAT 0010 644.1440 SURFACE MATTING SF	CAT 0010 644.1601 CURB RAMP EACH	DAY	CAT 0010 644.1605 DETECTABLE WARNING FIELD SF	CAT 0010 644.1810 BARRICADE LF	CAT 0010 644.1900.S TEMPORARY AUDIBLE MESSAGE DEVICES EACH	DAY
ID 6145-01-73											
USH 12 - NB (STAGE 3)	16	448	-	-	-	2	56	30	278	-	168
NB SUBTOTAL	16	448	0	0	0	2	56	30	278	0	168
USH 12 - SB (STAGE 4)	18	504	179	173	173	6	168	95	1,098	-	28
USH 12 - SB (STAGE 5)	6	168	-	-	-	-	-	-	95	-	-
SB SUBTOTAL	24	672	179	173	173	6	168	95	1,193	0	28
ID 6145-01-73 TOTAL	40	1,120	179	173	173	8	224	125	1,471	0	196
ID 6145-01-72											
USH 12 - NB (STAGE 1)	3	84	-	-	-	1	28	20	199	-	-
USH 12 - NB (STAGE 3)	4	112	-	-	-	1	28	10	88	-	-
NB SUBTOTAL	7	196	0	0	0	2	56	30	287	0	0
USH 12 - SB (STAGE 2)	5	140	-	42	42	1	28	20	149	-	-
USH 12 - SB (STAGE 4)	3	84	54	229	229	1	28	20	261	-	-
SB SUBTOTAL	8	224	54	271	271	2	56	40	410	0	0
ID 6145-01-72 TOTAL	15	420	54	271	271	4	112	70	697	0	0
ID 6145-01-74											
USH 12 - NB (PRE-STAGE)	-	-	122	-	-	-	-	40	151	-	-
USH 12 - NB (STAGE 1)	19	532	830	601	601	6	168	170	4,577	-	28
USH 12 - NB (STAGE 3)	2	56	-	-	-	-	-	-	48	-	-
NB SUBTOTAL	21	588	952	601	601	6	168	210	4,776	0	28
USH 12 - SB (STAGE 2)	9	252	-	376	376	2	56	20	464	-	-
SB SUBTOTAL	9	252	0	376	376	2	56	20	464	0	0
ID 6145-01-74 TOTAL	30	840	952	977	977	8	224	230	5,240	0	28
CATEGORY TOTAL	85	2,380	1,185	1,421	1,421	20	560	425	7,408	0	224
GRAND TOTAL	85	2,380	1,185	1,421	1,421	20	560	425	7,408	0	224

***ADDITIONAL QUANTITIES SHOWN ELSEWHERE**

MARKING LINE

STATION TO STATION	CAT 0010 646.1020 MARKING LINE EPOXY 4-INCH (WHITE) LF	CAT 0010 646.1020 MARKING LINE EPOXY 4-INCH (YELLOW) LF	CAT 0010 646.3020 MARKING LINE EPOXY 8-INCH (WHITE) LF	CAT 0010 646.2025 GROOVED BLACK EPOXY 6-INCH (BLACK) LF	CAT 0010 646.2040 GROOVED WET REF EPOXY 6-INCH (WHITE) LF	CAT 0010 646.2040 GROOVED WET REF EPOXY 6-INCH (YELLOW) LF	CAT 0010 646.4040 GROOVED WET REF EPOXY 10-INCH (WHITE) LF	CAT 0010 646.5020 ARROW EPOXY EACH	CAT 0010 646.5120 WORD EPOXY EACH	CAT 0010 646.5220 SYMBOL EPOXY EACH	CAT 0010 646.6120 STOP LINE EPOXY 18-INCH LF	CAT 0010 646.7120 DIAGONAL EPOXY 12-INCH (YELLOW) LF	CAT 0010 646.7420 CROSSWALK TRANSVERSE 6-INCH LF	CAT 0010 646.8120 CURB EPOXY (YELLOW) LF	CAT 0010 646.8220 ISLAND NOSE EPOXY (YELLOW) EACH
ID 6145-01-73															
USH 12 - NB (STAGE 3)															
604+98.75 - 615+00	-	46	-	250	1,167	2,303	-	-	-	-	16	-	82	-	-
615+00 - 626+00	-	-	-	267	1,367	-	-	-	-	-	22	-	44	-	-
626+00 - 637+00	-	-	-	267	1,244	-	-	-	-	-	38	-	198	10	1
637+00 - 647+50	-	280	148	229	1,131	235	147	2	1	-	51	56	205	-	-
647+50 - 654+75	-	42	-	181	906	-	-	-	-	-	-	-	-	-	-
NB SUBTOTAL	0	368	148	1,194	5,815	2,538	147	2	1	0	127	56	529	10	1
USH 12 - SB (STAGE 4 & 5)															
604+98.75 - 615+00	-	130	95	248	1,240	-	-	-	-	-	-	26	-	10	1
615+00 - 626+00	-	-	-	265	1,192	2,918	95	8	-	-	64	48	215	20	2
626+00 - 637+00	-	-	-	257	1,306	2,730	-	6	-	-	22	-	113	-	-
637+00 - 647+50	-	774	-	232	961	2,191	501	4	2	-	109	85	437	-	3
647+50 - 654+75	-	-	-	181	848	2,006	-	4	-	-	13	27	60	-	-
SB SUBTOTAL	0	904	95	1,183	5,547	9,845	596	22	2	0	208	186	825	30	6
ID 6145-01-73 TOTAL	1,272		243	2,377	23,745		743	24	3	0	335	186	1,354	40	7
ID 6145-01-72															
USH 12 - NB (STAGE 1 & 3)															
654+75 - 666+50	-	-	-	262	1,447	-	-	-	-	-	22	56	88	-	-
666+50 - 677+50	-	-	-	274	1,369	-	-	-	-	-	-	56	-	-	-
677+50 - 688+50	-	86	-	265	1,286	-	-	-	-	-	37	-	121	-	-
688+50 - 700+50	-	-	-	300	1,496	-	-	-	-	-	-	-	-	-	-
NB SUBTOTAL	0	86	0	1,101	5,598	0	0	0	0	0	59	112	209	0	0
USH 12 - SB (STAGE 4 & 5)															
654+75 - 666+50	582	356	16	258	896	2,300	559	6	1	2	95	54	348	80	8
666+50 - 677+50	-	-	-	276	1,385	2,754	-	6	-	-	-	6	-	-	-
677+50 - 688+50	-	-	-	267	1,377	2,749	-	6	-	-	22	56	44	20	2
688+50 - 700+50	-	-	-	301	1,507	3,003	-	6	-	-	-	-	-	-	-
SB SUBTOTAL	582	356	16	1,102	5,165	10,806	559	24	1	2	117	116	392	100	10
ID 6145-01-72 TOTAL	1,024		16	2,203	21,569		559	24	1	2	176	116	601	100	10
ID 6145-01-74															
USH 12 - NB (STAGE 1)															
700+50 - 710+50	-	-	-	250	1,253	-	-	-	-	-	-	-	-	-	-
710+50 - 720+00	-	-	-	201	994	-	145	4	-	-	53	-	252	-	-
720+00 - 731+00	-	-	-	247	1,242	-	-	-	-	-	27	-	54	-	-
731+00 - 742+91.59	-	-	-	256	1,284	-	466	8	2	-	65	-	349	10	1
NB SUBTOTAL	0	0	0	954	4,773	0	611	12	2	0	145	0	655	10	1
USH 12 - SB (STAGE 2 & 3)															
700+50 - 710+50	-	-	-	249	1,243	2,236	-	2	-	-	-	-	-	10	1
710+50 - 720+00	-	-	-	203	962	1,582	-	4	2	-	61	-	172	-	-
720+00 - 731+00	-	-	-	243	1,212	1,956	674	3	1	-	87	-	238	20	2
731+00 - 742+91.59	-	-	-	256	1,223	1,953	718	4	-	-	46	-	427	70	9
SB SUBTOTAL	0	0	0	951	4,640	7,727	1,392	13	3	0	194	0	837	100	12
ID 6145-01-74 TOTAL	0		0	1,905	17,140		2,003	25	5	0	339	0	1,492	110	13
GRAND TOTAL	2,296		259	6,485	62,454		3,305	73	9	2	850	302	3,447	250	30

MARKING LINE

STATION TO STATION	CAT 0090 646.2040 GROOVED WET REF EPOXY 6-INCH (WHITE) LF	CAT 0090 646.2040 GROOVED WET REF EPOXY 6-INCH (YELLOW) LF	CAT 0090 646.4040 GROOVED WET REF EPOXY 10-INCH (WHITE) LF	CAT 0090 646.7120 DIAGONAL EPOXY 12-INCH (YELLOW) LF	CAT 0090 646.7120 DIAGONAL EPOXY 12-INCH (WHITE) LF	CAT 0090 646.8120 CURB EPOXY (YELLOW) LF	CAT 0090 646.8220 ISLAND NOSE EPOXY (YELLOW) EACH
ID 6145-01-73							
USH 12 - NB (STAGE 3)							
604+98.75 - 615+00	-	-	-	-	-	-	-
615+00 - 626+00	-	-	-	-	-	-	-
626+00 - 637+00	-	-	-	-	-	-	-
637+00 - 647+50	-	-	-	-	-	-	-
647+50 - 654+75	-	-	-	-	-	-	-
NB SUBTOTAL	0	0	0	0	0	0	0
USH 12 - SB (STAGE 4 & 5)							
604+98.75 - 615+00	-	-	-	-	-	-	-
615+00 - 626+00	-	-	-	-	-	-	-
626+00 - 637+00	-	-	-	-	-	-	-
637+00 - 647+50	-	-	-	-	-	-	-
647+50 - 654+75	-	-	-	-	-	-	-
SB SUBTOTAL	0	0	0	0	0	0	0
ID 6145-01-73 TOTAL	0		0	0	0	0	0
ID 6145-01-72							
USH 12 - NB (STAGE 1 & 3)							
654+75 - 666+50	-	-	-	-	-	-	-
666+50 - 677+50	-	-	-	-	-	-	-
677+50 - 688+50	-	-	-	-	-	-	-
688+50 - 700+50	-	-	-	-	-	-	-
NB SUBTOTAL	0	0	0	0	0	0	0
USH 12 - SB (STAGE 4 & 5)							
654+75 - 666+50	-	-	-	-	-	-	-
666+50 - 677+50	-	-	-	-	-	-	-
677+50 - 688+50	-	-	-	-	-	-	-
688+50 - 700+50	-	-	-	-	-	-	-
SB SUBTOTAL	0	0	0	0	0	0	0
ID 6145-01-72 TOTAL	0		0	0	0	0	0
ID 6145-01-74							
USH 12 - NB (STAGE 1)							
700+50 - 710+50	-	-	-	-	-	-	-
710+50 - 720+00	-	-	-	-	-	-	-
720+00 - 731+00	-	-	-	-	-	-	-
731+00 - 742+91.59	-	-	-	-	-	-	-
NB SUBTOTAL	0	0	0	0	0	0	0
USH 12 - SB (STAGE 2 & 3)							
700+50 - 710+50	-	-	-	-	-	-	-
710+50 - 720+00	1,081	-	1,195	20	142	20	1
720+00 - 731+00	40	-	-	-	-	-	-
731+00 - 742+91.59	-	-	-	-	-	-	-
SB SUBTOTAL	1,121	0	1,195	20	142	20	1
ID 6145-01-74 TOTAL	1,121		1,195	20	142	20	1
GRAND TOTAL	1,121		1,195	162		20	1

3

TEMPORARY MARKING REMOVAL

	STAGE	CAT 0010 646.9000 MARKING REMOVAL LINE 4-INCH LF	CAT 0010 646.9100 MARKING REMOVAL LINE 8-INCH LF	CAT 0010 646.9200 MARKING REMOVAL LINE WIDE LF	CAT 0010 646.9300 MARKING REMOVAL SPECIAL MARKING EACH
ID 6145-01-73					
	USH 12 - NB (STAGE 1)	518	-	-	-
	USH 12 - NB (POST-STAGE 1)	-	-	-	-
	USH 12 - NB (STAGE 2)	-	-	-	-
	USH 12 - NB (STAGE 3)	-	-	-	-
	USH 12 - NB (POST-STAGE 3)	-	-	-	-
	NB SUBTOTAL	518	0	0	0
	USH 12 - SB (STAGE 4A)	-	-	-	-
	USH 12 - SB (STAGE 4B)	-	-	-	-
	USH 12 - SB (STAGE 4)	-	-	-	-
	USH 12 - SB (STAGE 5)	-	-	-	-
	SB SUBTOTAL	0	0	0	0
	ID 6145-01-73 TOTAL	518	0	0	0
ID 6145-01-72					
	USH 12 - NB (STAGE 1)	-	-	-	-
	USH 12 - NB (POST-STAGE 1)	-	-	-	-
	USH 12 - NB (STAGE 3)	-	-	-	-
	USH 12 - NB (POST-STAGE 3)	-	-	-	-
	NB SUBTOTAL	0	0	0	0
	USH 12 - SB (STAGE 2)	-	-	-	-
	USH 12 - MEDIAN (STAGE 3)	-	-	-	-
	USH 12 - SB (STAGE 4)	-	-	-	-
	USH 12 - SB (STAGE 5)	-	-	-	-
	SB SUBTOTAL	0	0	0	0
	ID 6145-01-72 TOTAL	0	0	0	0
ID 6145-01-74					
	USH 12 - NB (STAGE 1)	945	50	75	4
	USH 12 - NB (STAGE 1A)	-	-	-	-
	USH 12 - NB (STAGE 1B)	-	-	-	-
	USH 12 - NB (STAGE 1C)	-	-	-	-
	USH 12 - NB (POST-STAGE 1)	-	-	-	-
	NB SUBTOTAL	945	50	75	4
	USH 12 - MEDIAN (PRE-STAGE)	-	-	-	-
	USH 12 - SB (STAGE 2)	-	-	-	-
	USH 12 - SB (STAGE 3)	-	-	-	-
	SB SUBTOTAL	0	0	0	0
	ID 6145-01-74 TOTAL	945	50	75	4
	CATEGORY TOTAL	1,463	50	75	4
	GRAND TOTAL	1,463	50	75	4

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CONSTRUCTION STAKING

ITEM	CAT 0010 QUANTITY	UNIT	DESCRIPTION
ID 6145-01-73			
650.4500	4,977	LF	CONSTRUCTION STAKING SUBGRADE
650.5500	1,637	LF	CONSTRUCTION STAKING CURB GUTTER AND CURB & GUTTER
650.6501	1	EACH	CONSTRUCTION STAKING STRUCTURE LAYOUT (01. L01 - STA. 617+06)
650.6501	1	EACH	CONSTRUCTION STAKING STRUCTURE LAYOUT (02. L02 - STA. 618+16)
650.6501	1	EACH	CONSTRUCTION STAKING STRUCTURE LAYOUT (03. L03 - STA. 623+00)
650.6501	1	EACH	CONSTRUCTION STAKING STRUCTURE LAYOUT (04. L04 - STA.633+90)
650.6501	1	EACH	CONSTRUCTION STAKING STRUCTURE LAYOUT (06. R-56-38)
650.6501	1	EACH	CONSTRUCTION STAKING STRUCTURE LAYOUT (07. R-56-39)
650.7000	4,977	LF	CONSTRUCTION STAKING CONCRETE PAVEMENT
650.8501	1	EACH	CONSTRUCTION STAKING ELECTRICAL INSTALLATIONS (ID 6145-01-73)
650.9000	35	EACH	CONSTRUCTION STAKING CURB RAMPS
650.9500	1	EACH	CONSTRUCTION STAKING SIDEWALK (ID 6145-01-73)
650.9911	1	EACH	CONSTRUCTION STAKING SUPPLEMENTAL CONTROL (ID 6145-01-73)
650.9920	4,977	LF	CONSTRUCTION STAKING SLOPE STAKES

CONSTRUCTION STAKING

ITEM	CAT 0010 QUANTITY	UNIT	DESCRIPTION
ID 6145-01-72			
650.4500	4,575	LF	CONSTRUCTION STAKING SUBGRADE
650.5500	826	LF	CONSTRUCTION STAKING CURB GUTTER AND CURB & GUTTER
650.6501	1	EACH	CONSTRUCTION STAKING STRUCTURE LAYOUT (05. L05 - STA. 659+68)
650.6501	1	EACH	CONSTRUCTION STAKING STRUCTURE LAYOUT (08. R-56-41)
650.6501	1	EACH	CONSTRUCTION STAKING STRUCTURE LAYOUT (09. R-56-43)
650.6501	1	EACH	CONSTRUCTION STAKING STRUCTURE LAYOUT (10. R-56-44)
650.6501	1	EACH	CONSTRUCTION STAKING STRUCTURE LAYOUT (11. R-56-45)
650.6501	1	EACH	CONSTRUCTION STAKING STRUCTURE LAYOUT (12. R-56-46)
650.6501	1	EACH	CONSTRUCTION STAKING STRUCTURE LAYOUT (13. R-56-47)
650.7000	4,575	LF	CONSTRUCTION STAKING CONCRETE PAVEMENT
650.8501	1	EACH	CONSTRUCTION STAKING ELECTRICAL INSTALLATIONS (ID 6145-01-72)
650.9000	16	EACH	CONSTRUCTION STAKING CURB RAMPS
650.9500	1	EACH	CONSTRUCTION STAKING SIDEWALK (ID 6145-01-72)
650.9911	1	EACH	CONSTRUCTION STAKING SUPPLEMENTAL CONTROL (ID 6145-01-72)
650.9920	4,575	LF	CONSTRUCTION STAKING SLOPE STAKES

CONSTRUCTION STAKING

ITEM	CAT 0010 QUANTITY	UNIT	DESCRIPTION
ID 6145-01-74			
650.4500	4,242	LF	CONSTRUCTION STAKING SUBGRADE
650.5500	1,686	LF	CONSTRUCTION STAKING CURB GUTTER AND CURB & GUTTER
650.6501	1	EACH	CONSTRUCTION STAKING STRUCTURE LAYOUT (14. R-56-48)
650.7000	4,242	LF	CONSTRUCTION STAKING CONCRETE PAVEMENT
650.8501	1	EACH	CONSTRUCTION STAKING ELECTRICAL INSTALLATIONS (ID 6145-01-74)
650.9000	28	EACH	CONSTRUCTION STAKING CURB RAMPS
650.9500	1	EACH	CONSTRUCTION STAKING SIDEWALK (ID 6145-01-73)
650.9911	1	EACH	CONSTRUCTION STAKING SUPPLEMENTAL CONTROL (ID 6145-01-74)
650.9920	4,242	LF	CONSTRUCTION STAKING SLOPE STAKES

STREET LIGHTING WIRING AND CONDUIT

FROM	TO	CAT 0020 652.0225* CONDUIT RIGID NON-METALLIC SCHEDULE 40 2-INCH LF	CAT 0020 652.0235* CONDUIT RIGID NON-METALLIC SCHEDULE 40 3-INCH LF	CAT 0020 655.0630* ELECTRICAL WIRE 4 AWG (UNDERGROUND PHASE AND NEUTRAL WIRES) LF	CAT 0020 655.0630* ELECTRICAL WIRE 4 AWG (UNDERGROUND GROUND WIRES) LF
B-1-L(1,3), R(2,4)	PB1	352	0	1448	362
PB1	B-4-L(1,3), R(2,4)	120	0	520	130
B-4-L(1,3), R(2,4)	B-6-L(1,3), R(2,4)	333	0	1372	343
B-6-L(1,3), R(2,4)	PB4	151	0	644	161
PB4	PB7	80	0	360	90
PB7	PB8	84	0	376	94
PB8	PB9	101	0	444	111
PB9	B-8-L(1,3), R(2,4)	172	0	728	182
B-8-L(1,3), R(2,4)	PB10	63	0	292	73
PB10	PB12	201	0	844	211
PB12	LCC "B"	0	64	160	74
PB12	B-10-L(1,3), R(2,4)	92	0	816	102
B-10-L(1,3), R(2,4)	B-12-L(1,3), R(2,4)	182	0	1536	192
B-12-L(1,3), R(2,4)	PB15	105	0	920	115
PB15	B-14-L(1,3), R(2,4)	255	0	2120	265
B-14-L(1,3), R(2,4)	PB16	270	0	1120	280
PB16	B-19-L(5,7), R(6,8)	539	0	2196	549
B-19-L(5,7), R(6,8)	PB18	283	0	1172	293
PB18	PB19	96	0	424	106
PB19	B-21-L(5,7), R(6,8)	152	0	648	162
B-21-L(5,7), R(6,8)	PB21	114	0	496	124
PB21	PB22	86	0	384	96
PB22	B-23-L(5,7), R(6,8)	627	0	2548	637
B-23-L(5,7), R(6,8)	B-25-L(5,7), R(6,8)	342	0	1408	352
B-25-L(5,7), R(6,8)	PB24	203	0	852	213
PB24	B-27-L(5,7), R(6,8)	131	0	564	141
B-27-L(5,7), R(6,8)	B-29-L(5,7), R(6,8)	307	0	1268	317
B-2-L(9,11), R(10,12)	B-3-L(9,11), R(10,12)	160	0	680	170
B-3-L(9,11), R(10,12)	PB2	177	0	748	187
PB2	B-5-L(9,11), R(10,12)	183	0	772	193
B-5-L(9,11), R(10,12)	PB3	163	0	692	173
PB3	PB5	247	0	1028	257
PB5	PB6	67	0	308	77

STREET LIGHTING WIRING AND CONDUIT CONT'D

ID 6145-01-73

FROM	TO	CAT 0020 652.0225* CONDUIT RIGID NON-METALLIC SCHEDULE 40 2-INCH LF	CAT 0020 652.0235* CONDUIT RIGID NON-METALLIC SCHEDULE 40 3-INCH LF	CAT 0020 655.0630* ELECTRICAL WIRE 4 AWG (UNDERGROUND PHASE AND NEUTRAL WIRES) LF	CAT 0020 655.0630* ELECTRICAL WIRE 4 AWG (UNDERGROUND GROUND WIRES) LF
PB6	B-7-L(9,11), R(10,12)	264	0	1096	274
B-7-L(9,11), R(10,12)	B-9-L(9,11), R(10,12)	302	0	1248	312
B-9-L(9,11), R(10,12)	PB11	88	0	392	98
PB11	PB12	75	0	680	85
PB11	B-11-L(9,11), R(10,12)	259	0	2152	269
B-11-L(9,11), R(10,12)	PB13	21	0	248	31
PB13	PB14	85	0	760	95
PB14	B-13-L(9,11), R(10,12)	135	0	1160	145
B-13-L(9,11), R(10,12)	B-15-L(9,11), R(10,12)	350	0	2880	360
B-15-L(13,15), R(10,12)	B-16-L(13,15), R(14,16)	164	0	696	174
B-16-L(13,15), R(14,16)	B-17-L(13,15), R(14,16)	176	0	744	186
B-17-L(13,15), R(14,16)	PB17	108	0	472	118
PB17	B-18-L(13,15), R(14,16)	66	0	304	76
B-18-L(13,15), R(14,16)	B-20-L(13,15), R(14,16)	507	0	2068	517
B-20-L(13,15), R(14,16)	PB20	263	0	1092	273
PB20	B-22-L(13,15), R(14,16)	79	0	356	89
B-22-L(13,15), R(14,16)	PB23	235	0	980	245
PB23	B-24-L(13,15), R(14,16)	119	0	516	129
B-24-L(13,15), R(14,16)	B-26-L(13,15), R(14,16)	338	0	1392	348
B-26-L(13,15), R(14,16)	PB25	234	0	976	244
PB25	B-28-L(13,15), R(14,16)	96	0	424	106
	SUBTOTAL	**10,138**	**64**	**49,428**	**10,732**
	ID 6145-01-73 TOTAL	**10,138**	**64**	**60,160**	

*** QUANTITIES SHOWN ELSEWHERE ON PLANS**

LUMINAIRE AND POLE MOUNTINGS

ID 6145-01-73

DESCRIPTION	STATION	OFFSET	CAT 0020 654.0102* CONCRETE BASE TYPE 2 EACH	CAT 0020 657.0255* TRANSFORMER BASES BREAKAWAY $11^{1}/_{2}$-INCH BOLT CIRCLE EACH	CAT 0020 657.0635* LUMINAIRE ARM SINGLE MEMBER 6-INCH CLAMP 10-FT EACH	CAT 0020 SPV 0060.013* LUMINAIRE UTILITY LED D (TYPE 4) EACH	CAT 0020 SPV 0060.014* LUMINAIRE UTILITY LED A (TYPE 2) EACH	CAT 0020 SPV 0060.015* 30-FT DECORATIVE LIGHT POLE (TYPE 5) EACH	CAT 0020 SPV 0060.017* LUMINAIRE ARM MEMBER 6-INCH LONG EACH
B-1-L(1,3), R(2,4)	653+90.42	38.00'LT	1	1	1	1	1	1	1
B-2-L(9,11), R(10,12)	652+60.42	25.99'RT	1	1	1	1	1	1	1
B-3-L(9,11), R(10,12)	651+12+17	26.47'RT	1	1	1	1	1	1	1
B-4-L(1,3), R(2,4)	649+42.12	38.03'LT	1	1	1	1	1	1	1
B-5-(9,11), R(10,12)	647+77.21	26.00'RT	1	1	1	1	1	1	1
B-6-L(1,3), R(2,4)	646+21.85	38.02'LT	1	1	1	1	1	1	1
B-7-L(9,11), R(10,12)	641+54.39	26.04'RT	1	1	1	1	1	1	1
B-8-L(1,3), R(2,4)	640+29.34	37.99'LT	1	1	1	1	1	1	1
B-9-(9,11), R(10,12)	638+64.32	26.07'RT	1	1	1	1	1	1	1
B-10-L(1,3), R(2,4)	637+09.34	38.00'LT	1	1	1	1	1	1	1
B-11-(9,11), R(10,12)	635+55.00	38.32'RT	1	1	1	1	1	1	1
B-12-L(1,3), R(2,4)	635+39.34	38.00'LT	1	1	1	1	1	1	1
B-13-(9,11), R(10,12)	633+73.79	26.02'RT	1	1	1	1	1	1	1
B-14-L(1,3), R(2,4)	632+04.70	42.22'LT	1	1	1	1	0	1	0
B-15-(13,15), R(10,12)	630+35.62	29.00'RT	1	1	1	1	0	1	0
B-16-(13,15), R(14,16)	628+83.09	29.00'RT	1	1	1	1	0	1	0
B-17-(13,15), R(14,16)	627+19.80	29.00'RT	1	1	1	1	0	1	0
B-18-(13,15), R(14,16)	625+70.69	26.00'RT	1	1	1	1	1	1	1
B-19-L(5,7), R(6,8)	624+19.54	38.00'LT	1	1	1	1	1	1	1
B-20-(13,15), R(14,16)	620+75.67	26.48'RT	1	1	1	1	1	1	1
B-21-L(5,7), R(6,8)	619+26.61	38.00'LT	1	1	1	1	1	1	1
B-22-(13,15), R(14,16)	617+57.15	26.00'RT	1	1	1	1	1	1	1
B-23-L(5,7), R(6,8)	615+85.83	38.00'LT	1	1	1	1	1	1	1
B-24-(13,15), R(14,16)	614+27.57	26.13'RT	1	1	1	1	1	1	1
B-25-L(5,7), R(6,8)	612+55.83	26.00'LT	1	1	1	1	1	1	1
B-26-(13,15), R(14,16)	611+01.77	26.50'RT	1	1	1	1	0	1	0
B-27-L(5,7), R(6,8)	609+45.87	31.36'LT	1	1	1	1	0	1	0
B-28-(13,15), R(14,16)	607+95.70	27.00'RT	1	1	1	1	1	1	1
B-29-L(5,7), R(6,8)	606+50.38	34.64'LT	1	1	1	1	1	1	1
		ID 6145-01-73 TOTAL	29	29	29	29	23	29	23

* QUANTITIES SHOWN ELSEWHERE ON PLANS

POLE WIRING

DESCRIPTION	CAT 0020 655.0610* ELECTRICAL WIRE LIGHTING 12 AWG (LIGHTING, POLE PHASE AND NEUTRAL WIRES) LF	CAT 0020 655.0610* ELECTRICAL WIRE LIGHTING 12 AWG (RECEPTACLE, POLE PHASE AND NEUTRAL WIRES) LF	CAT 0020 655.0610* ELECTRICAL WIRE LIGHTING 12 AWG (POLE GROUND WIRES) LF
B-1-L(1,3), R(2,4)	114	34	59
B-2-L(9,11), R(10,12)	114	34	59
B-3-L(9,11), R(10,12)	114	34	59
B-4-L(1,3), R(2,4)	114	34	59
B-5-(9,11), R(10,12)	114	34	59
B-6-L(1,3), R(2,4)	114	34	59
B-7-L(9,11), R(10,12)	114	34	59
B-8-L(1,3), R(2,4)	114	34	59
B-9-(9,11), R(10,12)	114	34	59
B-10-L(1,3), R(2,4)	114	34	59
B-11-(9,11), R(10,12)	114	34	59
B-12-L(1,3), R(2,4)	114	34	59
B-13-(9,11), R(10,12)	114	34	59
B-14-L(1,3), R(2,4)	84	34	59
B-15-(9,11), R(10,12)	84	34	59
B-16-(13,15), R(14,16)	84	34	59
B-17-(13,15), R(14,16)	84	34	59
B-18-(13,15), R(14,16)	114	34	59
B-19-L(5,7), R(6,8)	114	34	59
B-20-(13,15), R(14,16)	114	34	59
B-21-L(5,7), R(6,8)	114	34	59
B-22-(13,15), R(14,16)	114	34	59
B-23-L(5,7), R(6,8)	114	34	59
B-24-(13,15), R(14,16)	114	34	59
B-25-L(5,7), R(6,8)	114	34	59
B-26-(13,15), R(14,16)	84	34	59
B-27-L(5,7), R(6,8)	84	34	59
B-28-(13,15), R(14,16)	114	34	59
B-29-L(5,7), R(6,8)	114	34	59
SUB TOTAL	3,126	986	1,711
ID 6145-01-73 TOTAL		5,823	

* QUANTITIES SHOWN ELSEWHERE ON PLANS

3

PULL BOXES

ID 6145-01-73

DESCRIPTION	STATION	OFFSET	CAT 0020 653.0135* STEEL 24X36 EACH
PB1	650+50.43	37.58'LT	1
PB2	649+47.28	25.00'RT	1
PB3	646+26.81	24.68'RT	1
PB4	644-06.88	46.82'LT	1
PB5	644+27.41	59.41'RT	1
PB6	643+73.03	58.97'RT	1
PB7	643+39.69	48.40'LT	1
PB8	642+78.47	37.45'LT	1
PB9	641+89.06	37.80'LT	1
PB10	639+78.24	37.49'LT	1
PB11	637+88.09	25.30'RT	1
PB12	637+89.07	37.50'LT	1
PB13	635+51.49	42.48'RT	1
PB14	634+80.12	41.77'RT	1
PB15	634+46.97	37.28'LT	1
PB16	629+46.90	38.73'LT	1
PB17	626+24.35	25.22'RT	1
PB18	621+48.17	40.20'LT	1
PB19	620+59.63	37.89'LT	1
PB20	618+24.39	25.96'RT	1
PB21	618+24.31	38.50'LT	1
PB22	617+50.13	37.96'LT	1
PB23	615+34.79	25.40'RT	1
PB24	610+64.23	26.44'LT	1
PB25	608+79.61	26.65'RT	1
ID 6145-01-73 TOTAL			25

* QUANTITIES SHOWN ELSEWHERE ON PLANS

3

LIGHTING CONTROL CABINETS

ID 6145-01-73

STREET	DESCRIPTION	STATION	OFFSET	CAT 0020 654.0230* CONCRETE CONTROL CABINET BASES TYPE L30 EACH	CAT 0020 656.0201.10 ELECTRICAL SERVICE METER BREAKER PEDESTAL (VILLAGE LIGHTING) EACH	CAT 0020 659.2130* L30 LIGHTING CONTROL CABINET 120/240 30-INCH EACH
RED BIRD AVE	VILLAGE OF LAKE DELTON	637+69.05	67.47'LT	1	1	1
			ID 6145-01-73 TOTAL	1	1	1

* QUANTITIES SHOWN ELSEWHERE ON PLANS

STREET LIGHTING WIRING AND CONDUIT

ID 6145-01-72

FROM	TO	CAT 0020 652.0225* CONDUIT RIGID NON-METALLIC SCHEDULE 40 2-INCH LF	CAT 0020 652.0235* CONDUIT RIGID NON-METALLIC SCHEDULE 40 3-INCH LF	CAT 0020 655.0630* ELECTRICAL WIRE 4 AWG (UNDERGROUND PHASE AND NEUTRAL WIRES) LF	CAT 0020 655.0630* ELECTRICAL WIRE 4 AWG (UNDERGROUND GROUND WIRES) LF
A-1-L(1,3),R(2,4)	A-3-L(1,3),R(2,4)	318	0	1312	328
A-3-L(1,3),R(2,4)	A-5-L(1,3),R(2,4)	392	0	1608	402
A-5-L(1,3),R(2,4)	A-7-L(1,3),R(2,4)	323	0	1332	333
A-7-L(1,3),R(2,4)	PB2	295	0	1220	305
PB2	A-9-L(1,3),R(2,4)	69	0	316	79
A-9-L(1,3),R(2,4)	A-11-L(1,3),R(2,4)	338	0	1392	348
A-11-L(1,3),R(2,4)	PB7	273	0	1132	283
PB7	PB6	75	0	680	85
PB7	A-13-L(1,3),R(2,4)	181	0	1528	191
A-13-L(1,3),R(2,4)	A-15-L(1,3),R(2,4)	316	0	2608	326
A-15-L(1,3),R(2,4)	PB9	129	0	1112	139
PB9	A-17-L(5,7),R(6,8)	210	0	880	220
A-17-L(5,7),R(6,8)	PB10	267	0	1108	277
PB10	A-19-L(5,7),R(6,8)	72	0	328	82
A-19-L(5,7),R(6,8)	A-21-L(5,7),R(6,8)	270	0	1120	280
A-21-L(5,7),R(6,8)	PB13	187	0	788	197
PB13	PB14	190	0	800	200
PB14	A-23-L(5,7),R(6,8)	131	0	564	141
A-23-L(5,7),R(6,8)	A-25-L(5,7),R(6,8)	184	0	776	194
A-25-L(5,7),R(6,8)	A-27-L(5,7),R(6,8)	148	0	632	158
A-27-L(5,7),R(6,8)	PB15	111	0	484	121
PB15	A-29-L(5,7),R(6,8)	65	0	300	75
A-29-L(5,7),R(6,8)	PB17	131	0	564	141
PB17	A-31-L(5,7),R(6,8)	46	0	224	56
A-2-L(9,11),R(10,12)	A-4-L(9,11),R(10,12)	320	0	1320	330
A-4-L(9,11),R(10,12)	PB1	199	0	836	209
PB1	A-6-L(9,11),R(10,12)	163	0	692	173
A-6-L(9,11),R(10,12)	A-8-L(9,11),R(10,12)	308	0	1272	318
A-8-L(9,11),R(10,12)	PB3	144	0	616	154
PB3	A-10-L(9,11),R(10,12)	238	0	992	248
A-10-L(9,11),R(10,12)	PB4	38	0	192	48
PB4	PB5	53	0	252	63
PB5	A-12-L(9,11),R(10,12)	278	0	1152	288
A-12-L(9,11),R(10,12)	PB6	122	0	528	132

STREET LIGHTING WIRING AND CONDUIT CONT'D

ID 6145-01-72

FROM	TO	CAT 0020 652.0225* CONDUIT RIGID NON-METALLIC SCHEDULE 40 2-INCH LF	CAT 0020 652.0235* CONDUIT RIGID NON-METALLIC SCHEDULE 40 3-INCH LF	CAT 0020 655.0630* ELECTRICAL WIRE 4 AWG (UNDERGROUND PHASE AND NEUTRAL WIRES) LF	CAT 0020 655.0630* ELECTRICAL WIRE 4 AWG (UNDERGROUND GROUND WIRES) LF
PB6	LCC"A"	0	25	160	35
PB6	A-14-L(9,11),R(10,12)	331	0	2728	341
A-14-L(9,11),R(10,12)	PB8	187	0	1576	197
PB8	A-16-L(9,11),R(10,12)	152	0	1296	162
A-16-L(9,11),R(10,12)	A-18-L(13,15),R(14,16)	322	0	1328	332
A-18-L(13,15),R(14,16)	PB11	111	0	484	121
PB11	A-20-L(13,15),R(14,16)	203	0	852	213
A-20-L(13,15),R(14,16)	A-22-L(13,15),R(14,16)	143	0	612	153
A-22-L(13,15),R(14,16)	PB12	181	0	764	191
PB12	A-24-L(13,15),R(14,16)	301	0	1244	311
A-24-L(13,15),R(14,16)	A-26-L(13,15),R(14,16)	184	0	776	194
A-26-L(13,15),R(14,16)	A-28-L(13,15),R(14,16)	172	0	728	182
A-28-L(13,15),R(14,16)	PB16	83	0	372	93
PB16	A-30-L(13,15),R(14,16)	59	0	276	69
A-30-L(13,15),R(14,16)	A-32-L(13,15),R(14,16)	170	0	720	180
A-32-L(13,15),R(14,16)	A-33-L(13,15),R(14,16)	160	0	680	170
	SUBTOTAL	9,343	25	45,256	9,868
	ID 6145-01-72 TOTAL	9,343	25	55,124	

* QUANTITIES SHOWN ELSEWHERE ON PLANS

PULL BOXES

ID 6145-01-72

DESCRIPTION	STATION	OFFSET	CAT 0020 653.0135* STEEL 24X36 EACH
PB1	693+00.28	25.50'RT	1
PB2	687+21.89	37.60'LT	1
PB3	687+21.73	26.10'RT	1
PB4	684+82.83	38.60'RT	1
PB5	684+41.33	38.99'RT	1
PB6	680+78.39	25.25'RT	1
PB7	680+77.34	37.55'LT	1
PB8	675+84.16	25.50'RT	1
PB9	674+87.70	37.50'LT	1
PB10	670+34.51	37.60'LT	1
PB11	670+35.62	25.50'RT	1
PB12	665+44.88	25.50'RT	1
PB13	665+41.66	54.60'LT	1
PB14	663+74.27	44.18'LT	1
PB15	658+92.21	45.9'LT	1
PB16	658+52.73	25.30'RT	1
PB17	656+76.34	44.00'LT	1
	ID 6145-01-72 TOTAL		17

* QUANTITIES SHOWN ELSEWHERE ON PLANS

3

POLE WIRING

ID 6145-01-72	CAT 0020 655.0610* ELECTRICAL WIRE LIGHTING 12 AWG (LIGHTING, POLE PHASE AND NEUTRAL WIRES)	CAT 0020 655.0610* ELECTRICAL WIRE LIGHITNG 12 AWG (RECEPTACLE, POLE PHASE AND NEUTRAL WIRES)	CAT 0020 655.0610* ELECTRICAL WIRE LIGHTING 12 AWG (POLE GROUND WIRES)
DESCRIPTION	LF	LF	LF
A-1-L(1,3),R(2,4)	114	34	59
A-2-L(9,11),R(10,12)	114	34	59
A-3-L(1,3),R(2,4)	114	34	59
A-4-L(9,11),R(10,12)	114	34	59
A-5-L(1,3),R(2,4)	114	34	59
A-6-L(9,11),R(10,12)	114	34	59
A-7-L(1,3),R(2,4)	114	34	59
A-8-L(9,11),R(10,12)	114	34	59
A-9-L(1,3),R(2,4)	114	34	59
A-10-L(9,11),R(10,12)	114	34	59
A-11-L(1,3),R(2,4)	114	34	59
A-12-L(9,11),R(10,12)	114	34	59
A-13-L(1,3),R(2,4)	114	34	59
A-14-L(9,11),R(10,12)	114	34	59
A-15-L(1,3),R(2,4)	114	34	59
A-16-L(9,11),R(10,12)	114	34	59
A-17-L(5,7),R(6,8)	114	34	59
A-16-L(9,11),R(10,12)	114	34	59
A-19-L(5,7),R(6,8)	114	34	59
A-18-L(13,15),R(14,16)	114	34	59
A-19-L(5,7),R(6,8)	114	34	59
A-20-L(13,15),R(14,16)	114	34	59
A-21-L(5,7),R(6,8)	114	34	59
A-22-L(13,15),R(14,16)	114	34	59
A-23-L(5,7),R(6,8)	114	34	59
A-24-L(13,15),R(14,16)	114	34	59
A-25-L(5,7),R(6,8)	114	34	59
A-26-L(13,15),R(14,16)	114	34	59
A-27-L(5,7),R(6,8)	114	34	59
A-28-L(13,15),R(14,16)	114	34	59
A-29-L(5,7),R(6,8)	114	34	59
A-30-L(13,15),R(14,16)	114	34	59
A-31-L(5,7),R(6,8)	114	34	59
A-32-L(13,15),R(14,16)	114	34	59
A-33-L(5,7),R(6,8)	114	34	59
SUB TOTAL	3,990	1,190	2,065
ID 6145-01-72 TOTAL		7,245	

* QUANTITIES SHOWN ELSEWHERE ON PLANS

LUMINAIRE AND POLE MOUNTINGS

ID 6145-01-72

DESCRIPTION	STATION	OFFSET	CAT 0020 654.0102* CONCRETE BASE TYPE 2 EACH	CAT 0020 657.0255* TRANSFORMER BASES BREAKAWAY $11^{1}/_{2}$-INCH BOLT CIRCLE EACH	CAT 0020 657.0635* LUMINAIRE ARM SINGLE MEMBER 6-INCH CLAMP 10-FT EACH	CAT 0020 SPV 0060.013* LUMINAIRE UTILITY LED D (TYPE 4) EACH	CAT 0020 SPV 0060.014* LUMINAIRE UTILITY LED A (TYPE 2) EACH	CAT 0020 SPV 0060.015* 30-FT DECORATIVE LIGHT POLE (TYPE 4) EACH	CAT 0020 SPV 0060.017* LUMINAIRE ARM MEMBER 6-INCH LONG EACH
A-1-L(1,3),R(2,4)	699+64.66	38.00'LT	1	1	1	1	1	1	1
A-2-L(9,11),R(10,12)	697+99.40	26.00'RT	1	1	1	1	1	1	1
A-3-L(1,3),R(2,4)	696+59.05	38.40'LT	1	1	1	1	1	1	1
A-4-L(9,11),R(10,12)	694+87.30	26.00'RT	1	1	1	1	1	1	1
A-5-L(1,3),R(2,4)	693+15.57	37.50'LT	1	1	1	1	1	1	1
A-6-L(9,11),R(10,12)	691+49.77	25.40'RT	1	1	1	1	1	1	1
A-7-L(1,3),R(2,4)	690+04.53	38.00'LT	1	1	1	1	1	1	1
A-8-L(9,11),R(10,12)	688+13.37	25.99'RT	1	1	1	1	1	1	1
A-9-L(1,3),R(2,4)	686+64.60	38.10'LT	1	1	1	1	1	1	1
A-10-L(9,11),R(10,12)	684+95.64	26.00'RT	1	1	1	1	1	1	1
A-11-L(1,3),R(2,4)	683+38.21	38.00'LT	1	1	1	1	1	1	1
A-12-L(9,11),R(10,12)	681+88.59	26.00'RT	1	1	1	1	1	1	1
A-13-L(1,3),R(2,4)	679+08.95	38.00'LT	1	1	1	1	1	1	1
A-14-L(9,11),R(10,12)	677+59.28	26.00'RT	1	1	1	1	1	1	1
A-15-L(1,3),R(2,4)	676+04.43	38.00'LT	1	1	1	1	1	1	1
A-16-L(9,11),R(10,12)	674+44.22	26.00'RT	1	1	1	1	1	1	1
A-17-L(5,7),R(6,8)	672+89.34	38.00'LT	1	1	1	1	1	1	1
A-18-L(13,15),R(14,16)	671+34.78	26.00'RT	1	1	1	1	1	1	1
A-19-L(5,7),R(6,8)	669+74.10	38.00'LT	1	1	1	1	1	1	1
A-20-L(13,15),R(14,16)	668+44.82	26.00'RT	1	1	1	1	1	1	1
A-21-L(5,7),R(6,8)	667+21.47	38.50'LT	1	1	1	1	1	1	1
A-22-L(13,15),R(14,16)	667+13.83	26.00'RT	1	1	1	1	1	1	1
A-23-L(5,7),R(6,8)	662+55.18	45.30'LT	1	1	1	1	1	1	1
A-24-L(13,15),R(14,16)	662+55.18	26.00'RT	1	1	1	1	1	1	1
A-25-L(5,7),R(6,8)	660+83.94	45.00'LT	1	1	1	1	1	1	1
A-26-L(13,15),R(14,16)	660+83.77	26.00'RT	1	1	1	1	1	1	1
A-27-L(5,7),R(6,8)	659+47.64	46.00'LT	1	1	1	1	1	1	1
A-28-L(13,15),R(14,16)	659+23.68	26.00'RT	1	1	1	1	1	1	1
A-29-L(5,7),R(6,8)	657+95.46	45.70'LT	1	1	1	1	1	1	1
A-30-L(13,15),R(14,16)	658+05.66	26.00'RT	1	1	1	1	1	1	1
A-31-L(5,7),R(6,8)	656+62.27	63.00'LT	1	1	1	1	1	1	1
A-32-L(13,15),R(14,16)	656+47.86	26.00'RT	1	1	1	1	1	1	1
A-33-L(13,15),R(14,16)	654+99.81	26.00'RT	1	1	1	1	1	1	1
		ID 6145-01-72 TOTAL	33	33	33	33	33	33	33

* QUANTITIES SHOWN ELSEWHERE ON PLANS

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LIGHTING CONTROL CABINETS

ID 6145-01-72

STREET	DESCRIPTION	STATION	OFFSET	CAT 0020 654.0230* CONCRETE CONTROL CABINET BASES TYPE L30 EACH	CAT 0020 656.0201.09 ELECTRICAL SERVICE METER BREAKER PEDESTAL (VILLAGE LIGHTING) EACH	CAT 0020 659.2130* L30 LIGHTING CONTROL CABINET 120/240 30-INCH EACH
USH 12	VILLAGE OF LAKE DELTON	680+87.48	36.77'RT	1	1	1
			ID 6145-01-72 TOTAL	1	1	1

* QUANTITIES SHOWN ELSEWHERE ON PLANS

LIGHTING REMOVAL

ID 6145-01-74

STATION	OFFSET	CAT 0020 659.5000.S LAMP DISPOSAL EACH
704+35.9	RT	1
706+90.1	RT	1
709.18.8	RT	1
711+68.8	RT	1
713+79.2	LT	2
716+86.0	LT	2
718+31.6	LT	2
720+88.3	LT	2
723+44.8	LT	2
725+98.6	LT	2
728+54.0	LT	2
731+08.0	LT	2
733+68.7	LT	2
735+73.6	LT	2
737+85.3	LT	2
ID 6145-01-74 TOTAL		26

STREET LIGHTING WIRING AND CONDUIT

ID 6145-01-74

		CAT 0020 652.0225* CONDUIT RIGID NON-METALLIC SCHEDULE 40 2-INCH	CAT 0020 652.0235* CONDUIT RIGID NON-METALLIC SCHEDULE 40 3-INCH	CAT 0020 652.0240* CONDUIT RIGID NON-METALLIC SCHEDULE 40 4-INCH	CAT 0020 655.0630* ELECTRICAL WIRE 4 AWG (UNDERGROUND PHASE AND NEUTRAL WIRES)	CAT 0020 655.0630* ELECTRICAL WIRE 4 AWG (UNDERGROUND GROUND WIRES)
FROM	TO	LF	LF	LF	LF	LF
C-1-L(1,3), R(2,4)	C-2-L(1,3), R(2,4)	353	--	--	1452	363
C-2-L(1,3), R(2,4)	C-3-L(1,3), R(2,4)	184	--	--	776	194
C-3-L(1,3), R(2,4)	C-4-L(1,3), R(2,4)	171	--	--	724	181
C-4-L(1,3), R(2,4)	C-5-L(1,3), R(2,4)	173	--	--	732	183
C-5-L(1,3), R(2,4)	PB3	101	--	--	444	111
PB3	C-6-L(1,3), R(2,4)	89	--	--	396	99
C-6-L(1,3), R(2,4)	C-7-L(1,3), R(2,4)	162	--	--	688	172
C-7-L(1,3), R(2,4)	PB5	199	--	--	836	209
PB5	PB8	72	--	--	328	82
PB8	PB9	17	--	--	108	27
PB9	LCC "C"	0	32	--	160	42
LCC "C"	PB7	0	160	--	160	170
PB7	C-8-L(1,3), R(2,4)	141	--	--	1208	151
C-8-L(1,3), R(2,4)	C-9-L(1,3), R(2,4)	165	--	--	1400	175
C-9-L(1,3), R(2,4)	C-10-L(1,3), R(2,4)	168	--	--	1424	178
C-10-L(1,3), R(2,4)	C-11-L(5,7), R(6,8)	163	--	--	692	173
C-11-L(5,7), R(6,8)	PB11	80	--	--	360	90
PB11	PB13	150	--	--	640	160
PB13	C-12-L(5,7), R(6,8)	120	--	--	520	130
C-12-L(5,7), R(6,8)	C-13-L(5,7), R(6,8)	173	--	--	732	183
C-13-L(5,7), R(6,8)	C-14-L(5,7), R(6,8)	172	--	--	728	182
C-14-L(5,7), R(6,8)	C-15-L(5,7), R(6,8)	167	--	--	708	177
C-15-L(5,7), R(6,8)	C-16-L(5,7), R(6,8)	168	--	--	712	178
C-16-L(5,7), R(6,8)	C-17-L(5,7), R(6,8)	172	--	--	728	182
C-17-L(5,7), R(6,8)	PB16	48	--	--	232	58
PB16	C-18-L(5,7), R(6,8)	121	--	--	524	131
C-18-L(5,7), R(6,8)	C-19-L(5,7), R(6,8)	181	--	--	764	191
C-19-L(5,7), R(6,8)	C-20-L(5,7), R(6,8)	189	--	--	796	199
C-20-L(5,7), R(6,8)	PB18	92	--	--	408	102
PB18	C-21-L(5,7), R(6,8)	98	--	--	432	108

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STREET LIGHTING WIRING AND CONDUIT CONT'D

ID 6145-01-74

FROM	TO	CAT 0020 652.0225* CONDUIT RIGID NON-METALLIC SCHEDULE 40 2-INCH LF	CAT 0020 652.0235* CONDUIT RIGID NON-METALLIC SCHEDULE 40 3-INCH LF	CAT 0020 652.0240* CONDUIT RIGID NON-METALLIC SCHEDULE 40 4-INCH LF	CAT 0020 655.0630* ELECTRICAL WIRE 4 AWG (UNDERGROUND PHASE AND NEUTRAL WIRES) LF	CAT 0020 655.0630* ELECTRICAL WIRE 4 AWG (UNDERGROUND GROUND WIRES) LF
D-1-L(1,3), R(2,4)	PB1	163	--	--	692	173
PB1	D-2-L(1,3), R(2,4)	194	--	--	816	204
D-2-L(1,3), R(2,4)	D-3-L(1,3), R(2,4)	175	--	--	740	185
D-3-L(1,3), R(2,4)	D-4-L(1,3), R(2,4)	171	--	--	724	181
D-4-L(1,3), R(2,4)	PB2	86	--	--	384	96
PB2	D-5-L(1,3), R(2,4)	105	--	--	460	115
D-5-L(1,3), R(2,4)	D-6-L(1,3), R(2,4)	162	--	--	688	172
D-6-L(1,3), R(2,4)	PB4	172	--	--	728	182
PB4	PB6	102	--	--	448	112
PB6	LCC "D"	0	94	--	160	104
PB6	PB7	88	--	--	0	0
PB6	D-7-L(1,3), R(2,4)	147	--	--	1256	157
D-7-L(1,3), R(2,4)	D-8-L(1,3), R(2,4)	165	--	--	1400	175
D-8-L(1,3), R(2,4)	D-9-L(1,3), R(2,4)	167	--	--	1416	177
D-9-L(1,3), R(2,4)	D-10-L(5,7), R(6,8)	163	--	--	1384	173
D-10-L(5,7), R(6,8)	PB10	85	--	--	380	95
PB10	PB12	146	--	--	624	156
PB12	D-11-L(5,7), R(6,8)	120	--	--	520	130
D-11-L(5,7), R(6,8)	D-12-L(5,7), R(6,8)	173	--	--	732	183
D-12-L(5,7), R(6,8)	PB14	103	--	--	452	113
PB14	D-13-L(5,7), R(6,8)	76	--	--	344	86
D-13-L(5,7), R(6,8)	D-14-L(5,7), R(6,8)	167	--	--	708	177
D-14-L(5,7), R(6,8)	D-15-L(5,7), R(6,8)	168	--	--	712	178
D-15-L(5,7), R(6,8)	PB15	102	--	--	448	112
PB15	D-16-L(5,7), R(6,8)	77	--	--	348	87
D-16-L(5,7), R(6,8)	D-17-L(5,7), R(6,8)	162	--	--	688	172
D-17-L(5,7), R(6,8)	D-18-L(5,7), R(6,8)	184	--	--	776	194
D-18-L(5,7), R(6,8)	D-19-L(5,7), R(6,8)	178	--	--	752	188
D-19-L(5,7), R(6,8)	PB17	59	--	--	276	69
PB17	D-20-L(5,7), R(6,8)	128	--	--	552	138
STA. 701+62, 38' RT	STA. 701+62, 47' LT	0	--	97	--	--
STA. 701+62, 47' LT	STA. 707+47, 59' LT	0	--	599	--	--
STA. 707+46, 38'RT	STA. 707+47, 59' LT	0	--	109	--	--
STA. 719+69, 46'RT	STA. 719+69, 63' LT	0	--	120	--	--
STA. 729+00, 42'RT	STA. 729+00, 66'LT	0	--	120	--	--
STA. 736+00, 43' RT	STA. 736+00, 65'LT	0	--	120	--	--
	SUBTOTAL	**8,077**	**286**	**1,165**	**39,420**	**8,865**
	ID 6145-01-74 TOTAL	**8,077**	**286**	**1,165**	**48,285**	

*** QUANTITIES SHOWN ELSEWHERIES SHOWN ELSEWHERE ON PLANS**

PULL BOXES

ID 6145-01-74

DESCRIPTION	STATION	OFFSET	CAT 0020 653.0135* STEEL 24X36 EACH
PB1	704+55.20	37.5'LT	1
PB2	710+37.63	48.5'LT	1
PB3	710+53.52	26.5'RT	1
PB4	714+44.35	51.1'LT	1
PB5	714+38.69	60.2'RT	1
PB6	715+39.48	51.4'LT	1
PB7	715+46.59	29.7'RT	1
PB8	715+03.89	59.70'RT	1
PB9	715+13.03	69.4'RT	1
PB10	722+10.85	51.4'LT	1
PB11	722+06.12	29.2'RT	1
PB12	723+49.90	51.16'LT	1
PB13	723+49.91	29.78'RT	1
PB14	727+14.06	51.0'LT	1
PB15	731+83.04	51.7'LT	1
PB16	732+89.27	29.76'RT	1
PB17	738+87.75	62.5'LT	1
PB18	738+16.97	42.0'RT	1
		ID 6145-01-74 TOTAL	**18**

*** QUANTITIES SHOWN ELSEWHERE ON PLANS**

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POLE WIRING

ID 6145-01-74

DESCRIPTION	CAT 0020 655.0610* ELECTRICAL WIRE LIGHTING 12 AWG (LIGHTING, POLE PHASE AND NEUTRAL WIRES) LF	CAT 0020 655.0610* ELECTRICAL WIRE LIGHTING 12 AWG (RECEPTACLE, POLE PHASE AND NEUTRAL WIRES) LF	CAT 0020 655.0610* ELECTRICAL WIRE LIGHTING 12 AWG (POLE GROUND WIRES) LF
C-1-L(1,3), R(2,4)	114	34	59
C-2-L(1,3), R(2,4)	114	34	59
C-3-L(1,3), R(2,4)	114	34	59
C-4-L(1,3), R(2,4)	114	34	59
C-5-L(1,3), R(2,4)	114	34	59
C-6-L(1,3), R(2,4)	114	34	59
C-7-L(1,3), R(2,4)	114	34	59
C-8-L(1,3), R(2,4)	114	34	59
C-9-L(1,3), R(2,4)	114	34	59
C-10-L(1,3), R(2,4)	114	34	59
C-11-L(5,7), R(6,8)	114	34	59
C-12-L(5,7), R(6,8)	114	34	59
C-13-L(5,7), R(6,8)	114	34	59
C-14-L(5,7), R(6,8)	114	34	59
C-15-L(5,7), R(6,8)	114	34	59
C-16-L(5,7), R(6,8)	114	34	59
C-17-L(5,7), R(6,8)	114	34	59
C-18-L(5,7), R(6,8)	114	34	59
C-19-L(5,7), R(6,8)	114	34	59
C-20-L(5,7), R(6,8)	114	34	59
C-21-L(5,7), R(6,8)	114	34	59
D-1-L(1,3), R(2,4)	114	34	59
D-2-L(1,3), R(2,4)	114	34	59
D-3-L(1,3), R(2,4)	114	34	59
D-4-L(1,3), R(2,4)	114	34	59
D-5-L(1,3), R(2,4)	114	34	59
D-6-L(1,3), R(2,4)	114	34	59
D-7-L(1,3), R(2,4)	114	34	59
D-8-L(1,3), R(2,4)	114	34	59
D-9-L(1,3), R(2,4)	114	34	59
D-10-L(5,7), R(6,8)	114	34	59
D-11-L(5,7), R(6,8)	114	34	59
D-12-L(5,7), R(6,8)	114	34	59
D-13-L(5,7), R(6,8)	114	34	59
D-14-L(5,7), R(6,8)	114	34	59

POLE WIRING CONT'D

DESCRIPTION	CAT 0020 655.0610* ELECTRICAL WIRE LIGHTING 12 AWG (LIGHTING, POLE PHASE AND NEUTRAL WIRES) LF	CAT 0020 655.0610* ELECTRICAL WIRE LIGHTING 12 AWG (RECEPTACLE, POLE PHASE AND NEUTRAL WIRES) LF	CAT 0020 655.0610* ELECTRICAL WIRE LIGHTING 12 AWG (POLE GROUND WIRES) LF
C-36-L(5,7), R(6,8)	114	34	59
C-37-L(13,15), R(14,16)	114	34	59
C-38-L(5,7), R(6,8)	114	34	59
C-39-L(13,15), R(14,16)	114	34	59
C-40-L(5,7), R(6,8)	114	34	59
C-41-L(13,15), R(14,16)	114	34	59
SUB TOTAL	4,674	1,394	2,419
ID 6145-01-74 TOTAL		8,487	

* QUANTITIES SHOWN ELSEWHERE ON PLANS

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LUMINAIRE AND POLE MOUNTINGS

ID 6145-01-74

DESCRIPTION	STATION	OFFSET	CAT 0020 654.0102* CONCRETE BASE TYPE 2 EACH	CAT 0020 657.0255* TRANSFORMER BASES BREAKAWAY 11 1/2-INCH BOLT CIRCLE EACH	CAT 0020 657.0635* LUMINAIRE ARM SINGLE MEMBER 6-INCH CLAMP 10-FT EACH	CAT 0020 SPV 0060.013* LUMINAIRE UTILITY LED D (TYPE 4) EACH	CAT 0020 SPV 0060.014* LUMINAIRE UTILITY LED A (TYPE 2) EACH	CAT 0020 SPV 0060.015* 30-FT DECORATIVE LIGHT POLE (TYPE 4) EACH	CAT 0020 SPV 0060.017* LUMINAIRE ARM MEMBER 6-INCH LONG EACH
C-1-L(9,11), R(10,12)	701+34.94	26.0'RT	1	1	1	1	1	1	1
C-2-L(1,3), R(2,4)	703+04.67	38.0'LT	1	1	1	1	1	1	1
C-3-L(9,11), R(10,12)	704+74.95	26.0'RT	1	1	1	1	1	1	1
C-4-L(1,3), R(2,4)	706+43.20	42.2'LT	1	1	1	1	1	1	1
C-5-L(9,11), R(10,12)	706+46.07	27.0'RT	1	1	1	1	1	1	1
C-6-L(1,3), R(2,4)	708+05.93	47.3'LT	1	1	1	1	1	1	1
C-7-L(9,11), R(10,12)	708+04.51	27.1'RT	1	1	1	1	1	1	1
C-8-L(1,3), R(2,4)	709+65.27	48.8'LT	1	1	1	1	1	1	1
C-9-L(9,11), R(10,12)	709+65.28	27.2'RT	1	1	1	1	1	1	1
C-10-L(1,3), R(2,4)	711+35.83	48.8'LT	1	1	1	1	1	1	1
C-11-L(9,11), R(10,12)	711+36.09	33.5'RT	1	1	1	1	0	1	0
C-12-L(1,3), R(2,4)	712+85.25	48.8'LT	1	1	1	1	1	1	1
C-13-L(9,11), R(10,12)	712+85.28	27.2'RT	1	1	1	1	1	1	1
C-14-L(1,3), R(2,4)	716+80.41	51.8'LT	1	1	1	1	1	1	1
C-15-L(9,11), R(10,12)	716+8071	30.2'RT	1	1	1	1	1	1	1
C-16-L(1,3), R(2,4)	718+32.85	50.60'LT	1	1	1	1	1	1	1
C-17-L(9,11), R(10,12)	718+33.44	30.17'RT	1	1	1	1	1	1	1
C-18-L(1,3), R(2,4)	719+87.75	50.67'LT	1	1	1	1	1	1	1
C-19-L(9,11), R(10,12)	719+88.53	30.5'RT	1	1	1	1	1	1	1
C-20-L(5,7), R(6,8)	712+37.96	52.1'LT	1	1	1	1	1	1	1
C-21-L(13,15), R(14,16)	721+38.74	29.9'RT	1	1	1	1	1	1	1
C-22-L(5,7), R(6,8)	724+63.45	50.7'LT	1	1	1	1	1	1	1
C-23-L(13,15), R(14,16)	724+63.62	29.7'RT	1	1	1	1	1	1	1
C-24-L(5,7), R(6,8)	726+23.52	51.9'LT	1	1	1	1	1	1	1
C-25-L(13,15), R(14,16)	726+23.85	30.2'RT	1	1	1	1	1	1	1
C-26-L(5,7), R(6,8)	727+83.78	52.0'LT	1	1	1	1	1	1	1
C-27-L(13,15), R(14,16)	727+83.79	30.0'RT	1	1	1	1	1	1	1
C-28-L(5,7), R(6,8)	729+38.69	52.0'LT	1	1	1	1	1	1	1
C-29-L(13,15), R(14,16)	729+38.70	30.0'RT	1	1	1	1	1	1	1
C-30-L(5,7), R(6,8)	730+93.81	52.0'LT	1	1	1	1	1	1	1
C-31-L(13,15), R(14,16)	730+93.81	30.0'RT	1	1	1	1	1	1	1
C-32-L(5,7), R(6,8)	732+53.81	52.0'LT	1	1	1	1	1	1	1
C-33-L(13,15), R(14,16)	732+53.81	30.0'RT	1	1	1	1	1	1	1
C-34-L(5,7), R(6,8)	734+03.81	52.0'LT	1	1	1	1	1	1	1
C-35-L(13,15), R(14,16)	734+03.81	30.0'RT	1	1	1	1	1	1	1

3

LUMINAIRE AND POLE MOUNTINGS CONT'D

DESCRIPTION	STATION	OFFSET	CAT 0020 654.0102* CONCRETE BASE TYPE 2 EACH	CAT 0020 657.0255* TRANSFORMER BASES BREAKAWAY 11 1/2-INCH BOLT CIRCLE EACH	CAT 0020 657.0635* LUMINAIRE ARM SINGLE MEMBER 6-INCH CLAMP 10-FT EACH	CAT 0020 SPV 0060.013* LUMINAIRE UTILITY LED D (TYPE 4) EACH	CAT 0020 SPV 0060.014* LUMINAIRE UTILITY LED A (TYPE 2) EACH	CAT 0020 SPV 0060.015* 30-FT DECORATIVE LIGHT POLE (TYPE 4) EACH	CAT 0020 SPV 0060.017* LUMINAIRE ARM MEMBER 6-INCH LONG EACH
C-36-L(5,7), R(6,8)	735+75.56	52.7'LT	1	1	1	1	1	1	1
C-37-L(13,15), R(14,16)	735+72.72	29.8'RT	1	1	1	1	1	1	1
C-38-L(5,7), R(6,8)	737+40.92	59.7'LT	1	1	1	1	1	1	1
C-39-L(13,15), R(14,16)	737+37.17	41.6'RT	1	1	1	1	1	1	1
C-40-L(5,7), R(6,8)	739+08.93	68.8'LT	1	1	1	1	1	1	1
C-41-L(13,15), R(14,16)	739+08.93	43.0'RT	1	1	1	1	1	1	1
	ID 6145-01-74 TOTAL		41	41	41	41	40	41	40

* QUANTITIES SHOWN ELSEWHERE ON PLANS

3

LIGHTING CONTROL CABINETS

ID 6145-01-74

STREET	DESCRIPTION	STATION	OFFSET	CAT 0020 654.0230* CONCRETE CONTROL CABINET BASES TYPE L30 EACH	CAT 0020 656.0201.11 ELECTRICAL SERVICE METER BREAKER PEDESTAL (CITY LIGHTING) EACH	CAT 0020 659.2130* L30 LIGHTING CONTROL CABINET 120/240 30-INCH EACH
CTH A	CITY OF WISCONSIN DELLS	714+96.34	61.8' LT	1	1	1
CTH A	CITY OF WISCONSIN DELLS	715+09.54	75.5' RT	1	1	1
			ID 6145-01-74 TOTAL	2	2	2

* QUANTITIES SHOWN ELSEWHERE ON PLANS

RELOCATING LIGHTING UNIT

STATION	CAT 0010 654.0105 CONCRETE BASE TYPE 5 EACH	CAT 0010 SPV.0060.016 RELOCATING LIGHTING UNIT EACH
USH 12		
128+27.7, 6.5' LT	1	1
ID 6145-01-74 TOTAL	1	1

TEMPORARY TRAFFIC SIGNALS FOR INTERSECTIONS

CATEGORY	STATION	CAT 0010 661.0201 TEMPORARY TRAFFIC SIGNALS FOR INTERSECTIONS EACH
ID 6145-01-73		
0010	06. USH 12 & LAKE AVE	1
	ID 6145-01-73 TOTAL	1
ID 6145-01-72		
0040	05. USH 12 & OLYMPUS DR	1
	ID 6145-01-72 TOTAL	1
ID 6145-01-74		
0010	01. USH 12 & STH 13/16/23	1
0090	03. USH 12 & CTH A	1
	ID 6145-01-74 TOTAL	2
	GRAND TOTAL	4

PUBLIC LAND SURVEY MONUMENT VERIFY AND RESET

STATION TO STATION	CAT 0010 680.0100 PUBLIC LAND SURVEY MONUMENT VERIFY AND RESET EACH
ID 6145-01-73	
USH 12 - NB (STAGE 3)	
604+98.75 - 615+00	5
615+00 - 626+00	2
626+00 - 637+00	3
637+00 - 647+50	5
647+50 - 654+75	2
NB SUBTOTAL	17
USH 12 - SB (STAGE 4 & 5)	
604+98.75 - 615+00	3
615+00 - 626+00	9
626+00 - 637+00	5
637+00 - 647+50	10
647+50 - 654+75	3
SB SUBTOTAL	30
ID 6145-01-73 TOTAL	47
ID 6145-01-72	
USH 12 - NB (STAGE 1 & 3)	
654+75 - 666+50	5
666+50 - 677+50	3
677+50 - 688+50	1
668+50 - 700+50	3
NB SUBTOTAL	12
USH 12 - SB (STAGE 2 & 4)	
654+75 - 666+50	8
666+50 - 677+50	1
677+50 - 688+50	0
668+50 - 700+50	1
SB SUBTOTAL	10
ID 6145-01-72 TOTAL	22
ID 6145-01-74	
USH 12 - NB (STAGE 1)	
700+50 - 710+50	1
710+50 - 720+00	6
720+00 - 731+00	0
731+00 - 742+91.59	0
NB SUBTOTAL	7
USH 12 - SB (STAGE 2 & 3)	
700+50 - 710+50	2
710+50 - 720+00	0
720+00 - 731+00	0
731+00 - 742+91.59	7
SB SUBTOTAL	9
ID 6145-01-74 TOTAL	16
CATEGORY TOTAL	**85**

SAWING

STATION TO STATION	CAT 0010 690.0150 ASPHALT LF	CAT 0010 690.0250 CONCRETE LF
ID 6145-01-73		
USH 12 - NB (STAGE 3)		
604+98.75 - 615+00	147	1,039
615+00 - 626+00	1,006	1,100
626+00 - 637+00	480	1,228
637+00 - 647+50	761	1,082
647+50 - 654+75	475	826
NB SUBTOTAL	2,869	5,275
USH 12 - SB (STAGE 4 & 5)		
604+98.75 - 615+00	34	33
615+00 - 626+00	191	103
626+00 - 637+00	131	13
637+00 - 647+50	851	-
647+50 - 654+75	229	38
SB SUBTOTAL	1,436	187
ID 6145-01-73 TOTAL	4,305	5,462
ID 6145-01-72		
USH 12 - NB (STAGE 1 & 3)		
654+75 - 666+50	783	1,202
666+50 - 677+50	219	1,103
677+50 - 688+50	243	1,103
668+50 - 700+50	151	1,202
NB SUBTOTAL	1,396	4,610
USH 12 - SB (STAGE 2 & 4)		
654+75 - 666+50	522	95
666+50 - 677+50	494	3
677+50 - 688+50	286	11
668+50 - 700+50	430	-
SB SUBTOTAL	1,732	109
ID 6145-01-72 TOTAL	3,128	4,719
ID 6145-01-74		
USH 12 - NB (STAGE 1)		
700+50 - 710+50	103	997
710+50 - 720+00	909	322
720+00 - 731+00	145	90
731+00 - 742+91.59	67	875
NB SUBTOTAL	1,224	2,284
USH 12 - SB (STAGE 2 & 3)		
700+50 - 710+50	579	27
710+50 - 720+00	304	7
720+00 - 731+00	-	-
731+00 - 742+91.59	50	604
SB SUBTOTAL	933	638
ID 6145-01-74 TOTAL	2,157	2,922
GRAND TOTAL	**9,590**	**13,103**

3

TEMPORARY PIPE CONNECTION

STATION TO STATION	CAT 0010 612.0212 PIPE UNDERDRAIN UNPERFORATED 12-INCH LF	CAT 0010 612.0218 PIPE UNDERDRAIN UNPERFORATED 18-INCH LF	CAT 0010 SPV.0060.007 TEMPORARY PIPE CONNECTION 12-INCH EACH	CAT 0010 SPV.0060.008 TEMPORARY PIPE CONNECTION 18-INCH EACH	CAT 0010 SPV.0060.009 TEMPORARY PIPE CONNECTION 24-INCH EACH	CAT 0010 SPV.0060.010 TEMPORARY PIPE CONNECTION 30-INCH EACH	COMMENT
ID 6145-01-73							
620+75 LT	-	-	-	1	-	-	CONNECT PROPOSED 18" TO EXISTING 15"
624+75 - 625+35 LT	50	-	1	-	-	-	CONNECT PROPOSED 12" TO EXISTING 18"
626+00 - 626+26 LT	-	16	-	1	-	-	CONNECT PROPOSED 18" TO EXISTING 24"
630+50 LT	-	-	-	-	-	1	CONNECT PROPOSED 30" TO EXISTING 30"
643+60 - 644+12 LT	42	-	1	-	-	-	CONNECT PROPOSED 12" TO EXISTING 12"
ID 6145-01-73 TOTAL	92	16	2	2	0	1	
ID 6145-01-72							
661+22 LT	-	-	-	-	1	-	CONNECT PROPOSED 24" TO EXISTING 24"
680+16 LT	-	-	-	1	-	-	CONNECT PROPOSED 18" TO EXISTING 18"
690+11, LT	-	-	-	-	-	1	CONNECT PROPOSED 24"x38" TO EXISTING 24"x72" BOX CULVERT
690+11 LT	-	-	-	-	-	1	CONNECT PROPOSED 30" TO EXISTING 24"x72" BOX CULVERT
ID 6145-01-72 TOTAL	0	0	0	1	1	2	
ID 6145-01-74							
714+23 LT	-	-	1	-	-	-	CONNECT PROPOSED 12" TO EXISTING 12"
717+03 LT	-	-	1	-	-	-	CONNECT PROPOSED 12" TO EXISTING 12"
719+21 LT	-	-	1	-	-	-	CONNECT PROPOSED 12" TO EXISTING 12"
722+20 LT	-	-	1	-	-	-	CONNECT PROPOSED 12" TO EXISTING 12"
725+20 LT	-	-	1	-	-	-	CONNECT PROPOSED 12" TO EXISTING 12"
727+69 LT	-	-	1	-	-	-	CONNECT PROPOSED 12" TO EXISTING 12"
730+42 LT	-	-	1	-	-	-	CONNECT PROPOSED 12" TO EXISTING 12"
734+10 LT	-	-	1	-	-	-	CONNECT PROPOSED 12" TO EXISTING 12"
737+14 - 737+27 LT	3	-	1	-	-	-	CONNECT PROPOSED 12" TO EXISTING 12"
ID 6145-01-74 TOTAL	3	0	9	0	0	0	
GRAND TOTAL	**95**	**16**	**11**	**3**	**1**	**3**	

UTILITY LINE OPENING

STATION TO STATION	CAT 0010 SPV.0060.018 UTILITY LINE OPENING EACH
ID 6145-01-73	
UNDISTRIBUTED	20
ID 6145-01-73 TOTAL	20
ID 6145-01-72	
UNDISTRIBUTED	20
ID 6145-01-72 TOTAL	20
ID 6145-01-74	
UNDISTRIBUTED	20
ID 6145-01-74 TOTAL	20
CATEGORY TOTAL	**60**

REMOVING BILLBOARD SIGN AND SIGN STRUCTURE

STATION	CAT 0010 SPV.0060.103 REMOVING BILLBOARD SIGN AND SIGN STRUCTURE EACH
ID 6145-01-73	
634+40, RT	1
ID 6145-01-73 TOTAL	1
ID 6145-01-72	
672+25, LT	1
ID 6145-01-72 TOTAL	1
GRAND TOTAL	**2**

3

REMOVE, SALVAGE AND REINSTALL GUARDRAIL AND SINGLE POST

STATION	CAT 0010 SPV.0060.104 REMOVE, SALVAGE AND REINSTALL GUARDRAIL AND SINGLE POST EACH
ID 6145-01-72	
668+87, 45.0' RT	1
ID 6145-01-72 TOTAL	1

INTERIM TRAFFIC SIGNALS OF INTERSECTIONS

STATION	CAT 0040 SPV.0060.105 INTERIM TRAFFIC SIGNALS OF INTERSECTIONS EACH
ID 6145-01-74	
USH 12 & DELLSHIRE DR	1
ID 6145-01-74 TOTAL	1

REMOVE, SALVAGE AND REINSTALL RAILING

STATION	CAT 0010 SPV.0090.009 REMOVE, SALVAGE AND REINSTALL RAILING EACH
ID 6145-01-72	
656+76 - 656+91, LT	24
ID 6145-01-72 TOTAL	24

REMOVE, SALVAGE AND REINSTALL BRICK EDGING

STATION	CAT 0010 SPV.0090.010 REMOVE, SALVAGE AND REINSTALL BRICK EDGING LF
ID 6145-01-72	
676+61, 26.5' - 66.5' RT	40
676+94, 26.5' - 66.5' RT	40
ID 6145-01-72 TOTAL	80

3

REMOVE, SALVAGE AND REINSTALL LANDSCAPING ROCK

STATION	CAT 0010 SPV.0165.005 REMOVE, SALVAGE AND REINSTALL LANDSCAPING ROCK LF
ID 6145-01-72	
656+91 - 657+45, LT	394
659+37 - 659+75, LT	1,306
670+07 - 670+53, LT	1,124
695+67 - 696+11, LT	440
ID 6145-01-72 TOTAL	3,264
ID 6145-01-74	
73+17 - 73+24, LT	34
71+95 - 72+10, LT	105
ID 6145-01-74 TOTAL	139
GRAND TOTAL	3,403

WALL MODULARBLOCK GRAVITY LANDSCAPE

STATION	CAT 0010 SPV.0165 WALL MODULARBLOCK GRAVITY LANDSCAPE SF
ID 6145-01-73	
SPV.0165.011 L01 - STA. 617+06	213
SPV.0165.012 L02 - STA. 618+16	495
SPV.0165.013 L03 - STA. 623+00	494
SPV.0165.014 L04 - STA. 633+90	202
ID 6145-01-73 TOTAL	1,404
ID 6145-01-72	
SPV.0165.015 L05 - STA. 659+68	493
ID 6145-01-72 TOTAL	493
GRAND TOTAL	3,794

PARAPET ARCHITECTURAL SURFACE TREATMENT

STATION	CAT 0010 SPV.0165.027 PARAPET ARCHITECTURAL SURFACE TREATMENT LF
ID 6145-01-73	
608+62 - 612+24, LT	1,448
610+09 - 612+71, RT	1,048
ID 6145-01-73 TOTAL	2,496
ID 6145-01-74	
734+24 - 735+58, LT	536
ID 6145-01-74 TOTAL	536
GRAND TOTAL	3,032

PULL BOXES

PULLBOX NUMBER	STATION	R/L	OFFSET	CAT 0010 653.0164 PULL BOXES NON-CONDUCTIVE 24X42-INCH EACH
ID 6145-01-73				
TRAFFIC SIGNAL - S56-0307 - USH 12 & LAKE AVE				
PB81	643 + 43	R	37.8	1
PB82	643 + 32	L	54.9	1
PB83	644 + 18	L	52.3	1
PB84	644 + 39	R	55.4	1
PB85	643 + 59	R	50.9	1
PB86	642 + 3	R	25.7	1
PB87	640 + 80	R	25.6	1
PB88	645 + 83	L	37.3	1
PB89	646 + 90	L	37.6	1
PHB - HB56-04 - USH 12 AT HIAWATHA PHB				
PB221	634 + 67	L	44.9	1
PB222	634 + 60	R	25.5	1
PHB - HB56-03 - USH 12 AT NEWSOM PHB				
PB211	621 + 67	L	37.1	1
PB212	622 + 41	L	37.5	1
PB213	622 + 60	R	25.8	1
CATEGORY TOTAL				14

SIGNAL BASES

SIGNAL BASE NUMBER	STATION	R/L	OFFSET	CAT 0010 654.0101 CONCRETE BASES TYPE 1 EACH	CAT 0010 654.0110 CONCRETE BASES TYPE 10 EACH	CAT 0010 654.0113 CONCRETE BASES TYPE 13 EACH	CAT 0010 654.0120 CONCRETE BASES TYPE 10-SPECIAL EACH
ID 6145-01-73							
TRAFFIC SIGNAL - S56-0307 - USH 12 & LAKE AVE							
SB81	643 + 32	R	26	1	-	-	-
SB82	643 + 22	L	39.6	1	-	-	-
SB83	643 + 17	L	46.3	-	-	-	1
SB84	643 + 45	L	59.7	1	-	-	-
SB85	643 + 99	L	64.9	1	-	-	-
SB86	644 + 2	L	76.2	-	1	-	-
SB87	644 + 46	L	39	1	-	-	-
SB88	644 + 54	R	29.6	1	-	-	-
SB89	644 + 61	R	35.9	-	-	1	-
SB90	644 + 34	R	48.6	1	-	-	-
SB91	643 + 64	R	59.3	1	-	-	-
SB92	643 + 70	R	55.5	-	1	-	-
PHB - HB56-04 - USH 12 AT HIAWATHA PHB							
HB221	634 + 61	L	44.4	-	1	-	-
HB222	634 + 76	L	37.5	1	-	-	-
HB223	634 + 65	R	25.9	1	-	-	-
HB224	634 + 78	R	37.2	-	-	-	1
PHB - HB56-03 - USH 12 AT NEWSOM PHB							
HB211	622 + 55	L	38.4	-	1	-	-
HB212	622 + 45	R	26.4	1	-	-	-
HB213	622 + 54	R	34.1	-	1	-	-
CATEGORY TOTAL				11	5	1	2

CONDUIT			CAT 0010 652.0225* CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH	CAT 0010 652.0235 CONDUIT RIGID NONMETALLIC SCHEDULE 40 3-INCH	CAT 0010 652.0800 CONDUIT LOOP DECTECTOR
	FROM	TO	LF	LF	LF
ID 6145-01-73					
TRAFFIC SIGNAL - S56-0307 - USH 12 & LAKE AVE					
	LOOP 21	PB87	-	-	50
	LOOP 22	PB87	-	-	70
	LOOP 61	PB89	-	-	50
	LOOP 62	PB89	-	-	70
	SC5	PB81	-	31	-
	PB81	PB82	-	187	-
	PB82	PB83	-	173	-
	PB83	PB84	-	220	-
	PB84	PB85	-	161	-
	PB85	SC5	-	34	-
	PB81	PB86	141	-	-
	PB86	PB87	124	-	-
	PB83	PB88	166	-	-
	PB88	PB89	108	-	-
	PB81	SB81	17	-	-
	PB82	SB82	19	-	-
	PB82	SB83	-	18	-
	PB82	SB84	14	-	-
	PB83	SB85	23	-	-
	PB83	SB86	-	29	-
	PB83	SB87	31	-	-
	PB84	SB88	30	-	-
	PB84	SB89	-	30	-
	PB84	SB90	9	-	-
	PB85	SB91	10	-	-
	PB85	SB92	-	12	-
PHB - HB56-04 - USH 12 AT HIAWATHA PHB					
	HC3	PB221	-	15	-
	PB221	PB222	-	71	-
	PB221	HB221	-	7	-
	PB221	HB222	12	-	-
	PB222	HB223	6	-	-
	PB222	HB224	-	22	-
PHB - HB56-03 - USH 12 AT NEWSOM PHB					
	HC2	PB211	-	35	-
	PB211	PB212	-	75	-
	PB212	PB213	-	67	-
	PB212	HB211	-	15	-
	PB213	HB212	16	-	-
	PB213	HB213	-	11	-
CATEGORY TOTAL			726	1213	240

* QUANTITIES SHOWN ELSEWHERE ON PLANS

TRAFFIC SIGNAL WIRE

FROM - TO	CAT 0010 655.0210 CABLE TRAFFIC SIGNAL 3-14 AWG LF	CAT 0010 655.0230 CABLE TRAFFIC SIGNAL 5-14 AWG LF	CAT 0010 655.0240 CABLE TRAFFIC SIGNAL 7-14 AWG LF	CAT0010 655.0260 CABLE TRAFFIC SIGNAL 12-14 AWG LF	CAT0010 655.0305 CABLE TYPE UF 2-12 AWG GROUNDED LF	CAT0010 655.0515 ELECTRICAL WIRE TRAFFIC SIGNALS 10 AWG LF	CAT 0010 655.0610 ELECTRICAL WIRE TRAFFIC LIGHTING 12 AWG LF	CAT 0010 655.0700 LOOP DETECTOR LEAD IN CABLE LF	CAT 0010 655.0800 LOOP DETECTOR WIRE LF	CAT 0010 SPV.0090.011 INSTALL STATE-SUPPLIED NON-INTRUSIVE DETECTION CABLE LF	
ID 6145-01-73											
TRAFFIC SIGNAL - S56-0307 - USH 12 & LAKE AVE											
SB81 - UP POLE	15	40	-	-	-	-	-	-	-	-	
SB82 - UP POLE	15	-	-	-	-	-	-	-	-	-	
SB83 - UP POLE	-	168	-	-	-	-	159	-	-	60	
SB84 - UP POLE	15	36	-	-	-	-	-	-	-	-	
SB85 - UP POLE	15	-	-	-	-	-	-	-	-	-	
SB86 - UP POLE	-	53	-	-	-	-	159	-	-	60	
SB87 - UP POLE	15	40	-	-	-	-	-	-	-	-	
SB88 - UP POLE	15	-	-	-	-	-	-	-	-	-	
SB89 - UP POLE	-	198	-	-	-	-	159	-	-	60	
SB90 - UP POLE	15	36	-	-	-	-	-	-	-	-	
SB91 - UP POLE	15	-	-	-	-	-	-	-	-	-	
SB92 - UP POLE	-	53	-	-	-	-	159	-	-	60	
SC5 - SB81	-	-	-	49	-	-	-	49	-	-	
SC5 - SB82	-	155	-	-	-	-	-	155	-	-	
SC5 - SB83	-	-	-	154	154	-	-	-	-	154	
SC5 - SB84	-	-	-	150	-	-	-	150	-	-	
SC5 - SB85	-	256	-		-	-	-	256	-	-	
SC5 - SB86	-	262	-		-	-	-	-	-	262	
SC5 - SB87	-		-	275	-	-	-	275	-	-	
SC5 - SB88	-	154	-		-	-	-	154	-	-	
SC5 - SB89	-		-	154	-	-	-	-	-	154	
SC5 - SB90	-		-	133	-	-	-	133	-	-	
SC5 - SB91	-	43	-		-	-	-	43	-	-	
SC5 - SB92	-	45	-		45	-	-	-	-	45	
SB83 - SB86	-		-		162	-	-	-	-	-	
SB92 - SB89	-		-		151	-	-	-	-	-	
SC5 - SC5	-	-	-	-	-	1119	-	-	-	-	GROUNDING CONDUCTOR RING
PB87 - LOOP 21	-	-	-	-	-	-	-	-	160	-	
PB87 - LOOP 22	-	-	-	-	-	-	-	-	220	-	
PB89 - LOOP 61	-	-	-	-	-	-	-	-	160	-	
PB89 - LOOP 62	-	-	-	-	-	-	-	-	220	-	
SC5 - PB87	-	-	-	-	-	-	-	626	-	-	
SC5 - PB89	-	-	-	-	-	-	-	1068	-	-	
PHB - HB56-04 - USH 12 AT HIAWATHA PHB											
HB221 - UP POLE	-	104	-	-	-	-	159	-	-	-	
HB222 - UP POLE	15	-	-	-	-	-	-	-	-	-	
HB223 - UP POLE	15	-	-	-	-	-	-	-	-	-	
HC3 - HB221	-	-	32	-	32	-	-	-	-	-	
HC3 - HB222	-	37	-	-	-	-	-	37	-	-	
HC3 - HB223	-	112	-	-	-	-	-	112	-	-	
HC3 - HC3	-	-	-	-	-	742	-	-	-	-	GROUNDING CONDUCTOR RING
HB221 - HB223	-	-	-	-	120	-	-	-	-	-	
PHB - HB56-03 - USH 12 AT NEWSOM PHB											
HB211 - UP POLE	15	104	-	-	-	-	159	-	-	-	
HB212 - UP POLE	15	-	-	-	-	-	-	-	-	-	
HB213 - UP POLE	-	104	-	-	-	-	159	-	-	-	
HC2 - HB211	-	-	145	-	145	-	-	145	-	-	
HC2 - HB212	-	223	-	-	-	-	-	223	-	-	
HC2 - HB213	-		218	-	-	-	-		-	-	
HC2 - HC2	-	-	-	-	-	600	-	-	-	-	GROUNDING CONDUCTOR RING
HB211 - HB214	-	-	-	-	120	-	-	-	-	-	
CATEGORY TOTAL	180	2223	395	915	929	2461	1113	3426	760	855	

MONOTUBE POLES

SIGNAL BASE NUMBER	STATION	R/L	OFFSET	CAT 0010 657.0350 POLES TYPE 10 EACH	CAT 0010 657.0352 POLES TYPE 10 SPECIAL EACH	CAT 0010 657.0360 POLES TYPE 13 EACH	CAT 0010 657.0525 MONOTUBE ARMS 25-FT EACH	CAT 0010 657.0530 MONOTUBE ARMS 30-FT EACH	CAT 0010 657.0536 MONOTUBE ARMS 35-FT SPECIAL EACH	CAT 0010 657.0541 MONOTUBE ARMS 40-FT SPECIAL EACH	CAT 0010 657.0550 MONOTUBE ARMS 50-FT EACH	CAT 0010 657.0815 LUMINAIRE ARMS STEEL 15-FT EACH
ID 6145-01-73												
TRAFFIC SIGNAL - S56-0307 - USH 12 & LAKE AVE												
SB83	643 + 17	L	46.3	-	1	-	-	-	-	1	-	1
SB86	644 + 2	L	76.2	1	-	-	1	-	-	-	-	1
SB89	644 + 61	R	35.9	-	-	1	-	-	-	-	1	1
SB92	643 + 70	R	55.5	1	-	-	1	-	-	-	-	1
PHB - HB56-04 - USH 12 AT HIAWATHA PHB												
HB221	634 + 61	L	44.4	1	-	-	-	1	-	-	-	1
HB224	634 + 78	R	37.2	-	1	-	-	-	1	-	-	1
PHB - HB56-03 - USH 12 AT NEWSOM PHB												
HB211	622 + 54	L	38.2	1	-	-	1	-	-	-	-	1
HB213	622 + 54	R	34.1	1	-	-	-	1	-	-	-	1
CATEGORY TOTAL				5	2	1	3	2	1	1	1	8

TRAFFIC SIGNAL POLES

SIGNAL BASE NUMBER	STATION	R/L	OFFSET	CAT 0010 657.0100 PEDESTAL BASES EACH	CAT 0010 657.0420 TRAFFIC SIGNAL STANDARD ALUMINUM 13' EACH	CAT 0010 657.0425 TRAFFIC SIGNAL STANDARD ALUMINUM 15' EACH	CAT 0010 657.0430 TRAFFIC SIGNAL STANDARD ALUMINUM 10' EACH
ID 6145-01-73							
TRAFFIC SIGNAL - S56-0307 - USH 12 & LAKE AVE							
SB81	643 + 32	R	26	1	-	1	-
SB82	643 + 22	L	39.6	1	-	-	1
SB84	643 + 45	L	59.7	1	1	-	-
SB85	643 + 99	L	64.9	1	-	-	1
SB87	644 + 46	L	39	1	-	1	-
SB88	644 + 54	R	29.6	1	-	-	1
SB90	644 + 34	R	48.6	1	1	-	-
SB91	643 + 64	R	59.3	1	-	-	1
PHB - HB56-04 - USH 12 AT HIAWATHA PHB							
HB222	634 + 76	L	37.5	1	-	-	1
HB223	634 + 65	R	25.9	1	-	-	1
PHB - HB56-03 - USH 12 AT NEWSOM PHB							
HB212	622 + 45	R	26.4	1	-	-	1
CATEGORY TOTAL				11	2	2	7

TRAFFIC SIGNAL INDICATIONS AND EQUIPMENT

	SIGNAL BASE NUMBER	STATION	R/L	OFFSET	CAT 0010 658.0173 TRAFFIC SIGNAL FACE 3S 12-INCH EACH	CAT 0010 658.0174 TRAFFIC SIGNAL FACE 4S 12-INCH EACH	CAT 0010 SPV.0060.012 ACCESSIBLE PEDESTRIAN SIGNALS EACH	CAT 0010 658.0416 PEDESTRIAN SIGNAL FACE 16-INCH EACH	CAT 0010 659.1125 LUMINAIRES UTILITY LED C EACH
ID 6145-01-73									
TRAFFIC SIGNAL - S56-0307 - USH 12 & LAKE AVE									
	SB81	643 + 32	R	26	1	1	1	1	-
	SB82	643 + 22	L	39.6	-		1	1	-
	SB83	643 + 17	L	46.3	2	1	-	-	1
	SB84	643 + 45	L	59.7	2		1	1	-
	SB85	643 + 99	L	64.9	-		1	1	-
	SB86	644 + 2	L	76.2	1		-	-	1
	SB87	644 + 46	L	39	1	1	1	1	-
	SB88	644 + 54	R	29.6	-		1	1	-
	SB89	644 + 61	R	35.9	2	1	-	-	1
	SB90	644 + 34	R	48.6	2		1	1	-
	SB91	643 + 64	R	59.3	-		1	1	-
	SB92	643 + 70	R	55.5	1		-	-	1
PHB - HB56-04 - USH 12 AT HIAWATHA PHB									
	HB221	634 + 61	L	44.4	2	-	-	-	1
	HB222	634 + 76	L	37.5	-	-	1	1	-
	HB223	634 + 65	R	25.9	-	-	1	1	-
	HB224	634 + 78	R	37.2	2	-	-	-	1
PHB - HB56-03 - USH 12 AT NEWSOM PHB									
	HB211	622 + 55	L	38.4	2	-	1	1	1
	HB212	622 + 45	R	26.4	-	-	1	1	-
	HB213	622 + 54	R	34.1	2	-	-	-	1
	CATEGORY TOTAL				20	4	12	12	8

REMOVALS

	EXISTING INTERSECTION	CAT 0010 204.0195 REMOVING CONCRETE BASES EACH	CAT 0010 204.0246.01 REMOVING ANCILLARY STRUCTURE (S-56-8001-02) EACH	CAT 0010 204.0246.02 REMOVING ANCILLARY STRUCTURE (S-56-8001-06) EACH	CAT 0010 204.9060.S.06 REMOVING TRAFFIC SIGNALS (USH 12 & LAKE AVE) EACH	CAT 0010 204.9060.S.08 REMOVING TRAFFIC SIGNALS (USH 12 AT NEWSOM PHB) EACH	CAT 0010 653.0905 REMOVING PULL BOXES EACH	CAT 0010 659.5000.S LAMP, BALLAST, LED, SWITCH DISPOSAL BY CONTRACTOR EACH
ID 6145-01-73								
TRAFFIC SIGNAL - S56-0307 - USH 12 & LAKE AVE								
	SC5	9	-	-	8	-	17	20
PHB - HB56-03 - USH 12 AT NEWSOM PHB								
	HC2	2	1	1	-	2	5	6
	CATEGORY TOTAL	11	1	1	8	2	22	26

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ELECTRICAL EQUIPMENT

	CABINET BASE NUMBER	STATION	R/L	OFFSET	CAT 0010 654.0217 CONCRETE CONTROL CABINET BASES TYPE 9 SPECIAL EACH	CAT 0010 656.0201.06 ELECTRICAL SERVICE METER BREAKER PEDESTAL (USH 12 & LAKE AVE) EACH	CAT 0010 656.0201.07 ELECTRICAL SERVICE METER BREAKER PEDESTAL (USH 12 AT HIAWATHA PHB) EACH	CAT 0010 656.0201.08 ELECTRICAL SERVICE METER BREAKER PEDESTAL (USH 12 AT NEWSOM PHB) EACH	CAT 0010 658.5070.06 SIGNAL MOUNTING HARDWARE (USH 12 & LAKE AVE) EACH	CAT 0010 658.5070.07 SIGNAL MOUNTING HARDWARE (USH 12 AT HIAWATHA PHB) EACH	CAT 0010 658.5070.08 SIGNAL MOUNTING HARDWARE (USH 12 AT NEWSOM PHB) EACH
ID 6145-01-73											
TRAFFIC SIGNAL - S56-0307 - USH 12 & LAKE AVE											
	SC5	643 + 52	R	42.4	1	1	-	-	1	-	-
PHB - HB56-04 - USH 12 AT HIAWATHA PHB											
	HC3	634 + 81	L	46.6	1	-	1	-	-	1	-
PHB - HB56-03 - USH 12 AT NEWSOM PHB											
	HC2	621 + 39	L	57.0	1	-	-	1	-	-	1
	CATEGORY TOTAL				3	1	1	1	1	1	1

SIGNAL BASES

SIGNAL BASE NUMBER	STATION	R/L	OFFSET	CAT 0010 654.0101 CONCRETE BASES TYPE 1 EACH	CAT 0040 654.0101 CONCRETE BASES TYPE 1 EACH	CAT 0040 654.0102 CONCRETE BASES TYPE 2 EACH	CAT 0010 654.0110 CONCRETE BASES TYPE 10 EACH	CAT 0040 654.0110 CONCRETE BASES TYPE 10 EACH	CAT 0010 654.0120 CONCRETE BASES TYPE 10-SPECIAL EACH
ID 6145-01-72									
PHB - HB56-01 - USH 12 AT BONANZA PHB									
HB201	680 + 43	R	34.1	-	-	-	1	-	-
HB202	680 + 29	R	26.2	1	-	-	-	-	-
HB203	680 + 42	L	38.9	1	-	-	-	-	-
HB204	680 + 29	L	51.8	-	-	-		-	1
TRAFFIC SIGNAL - S56-1421 - USH 12 & OLYMPUS DR									
SB61	665 + 14	L	56.6	-	1	-	-	-	-
SB62	665 + 23	L	9.6	-	-	-	-	1	-
SB63	665 + 14	R	26.1	-	1	-	-	-	-
SB64	664 + 31	R	26.1	-	-	-	-	1	-
SB65	663 + 86	R	26.0	-	1	-	-	-	-
SB66	663 + 84	L	14.3	-	-	-	-	1	-
SB67	663 + 85	L	44.7	-	1	-	-	-	-
SB68	664 + 17	L	69.5	-	-	1	-	-	-
SB69	664 + 82	L	69.5	-	1	-	-	-	-
CATEGORY TOTAL				2	5	1	1	3	1

PULL BOXES

PULLBOX NUMBER	STATION	R/L	OFFSET	CAT 0010 653.0164 PULL BOXES NON-CONDUCTIVE 24X42-INCH EACH	CAT 0040 653.0164 PULL BOXES NON-CONDUCTIVE 24X42-INCH EACH
ID 6145-01-72					
PHB - HB56-01 - USH 12 AT BONANZA PHB					
PB201	680 + 22	R	25.5	1	-
PB202	680 + 25	L	38.1	1	-
TRAFFIC SIGNAL - S56-1421 - USH 12 & OLYMPUS DR					
PB61	665 + 19	L	56.0	-	1
PB62	665 + 0	L	10.2	-	1
PB63	664 + 96	R	25.6	-	1
PB64	663 + 99	R	25.7	-	1
PB65	663 + 77	L	14.4	-	1
PB66	664 + 1	L	59.1	-	1
PB67	664 + 76	L	82.7	-	1
PB68	666 + 43	L	49.7	-	1
PB69	667 + 65	L	37.9	-	1
PB70	662 + 63	L	15.2	-	1
PB71	661 + 49	L	13.2	-	1
CATEGORY TOTAL				2	11

CONDUIT		CAT 0010 652.0225* CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH	CAT 0040 655.0225* CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH	CAT 0010 652.0235 CONDUIT RIGID NONMETALLIC SCHEDULE 40 3-INCH	CAT 0040 652.0235 CONDUIT RIGID NONMETALLIC SCHEDULE 40 3-INCH	CAT 0040 652.0800 CONDUIT LOOP DECTECTOR
FROM - TO		LF	LF	LF	LF	LF
ID 6145-01-72						
PHB - HB56-01 - USH 12 AT BONANZA PHB						
HC1 - PB201		-	-	11	-	-
PB201 - PB202		-	-	64	-	-
PB201 - HB201		-	-	23	-	-
PB201 - HB202		8	-	-	-	-
PB202 - HB203		18	-	-	-	-
PB202 - HB204			-	22	-	-
TRAFFIC SIGNAL - S56-1421 - USH 12 & OLYMPUS RD						
LOOP 21 - PB69		-	-	-	-	42
LOOP 22 - PB69		-	-	-	-	62
LOOP 61 - PB71		-	-	-	-	82
LOOP 62 - PB71		-	-	-	-	62
SC4 - PB61		-	-	-	85	-
PB61 - PB62		-	-	-	100	-
PB62 - PB63		-	-	-	73	-
PB63 - PB64		-	-	-	195	-
PB64 - PB65		-	-	-	92	-
PB65 - PB66		-	-	-	102	-
PB66 - PB67		-	-	-	158	-
PB67 - SC4		-	-	-	69	-
PB61 - PB68		-	125	-	-	-
PB68 - PB69		-	123	-	-	-
PB65 - PB70		-	115	-	-	-
PB70 - PB71		-	115	-	-	-
PB61 - SB61		-	6	-	-	-
PB62 - SB62		-	-	-	24	-
PB63 - SB63		-	19	-	-	-
PB64 - SB64		-	-	-	33	-
PB64 - SB65		-	14	-	-	-
PB65 - SB66		-	-	-	8	-
PB66 - SB67		-	22	-	-	-
PB66 - SB68		-	20	-	-	-
PB67 - SB69		-	15	-	-	-
CATEGORY TOTAL		26	574	120	939	248

* QUANTITIES SHOWN ELSEWHERE IN PLAN

3

TRAFFIC SIGNAL WIRE

FROM - TO	CAT 0010 655.0210 CABLE TRAFFIC SIGNAL 3-14 AWG LF	CAT 0010 655.0230 CABLE TRAFFIC SIGNAL 5-14 AWG LF	CAT 0010 655.0240 CABLE TRAFFIC SIGNAL 7-14 AWG LF	CAT 0010 655.0305 CABLE TYPE UF 2-12 AWG GROUNDED LF	CAT 0010 655.0515 ELECTRICAL WIRE TRAFFIC SIGNALS 10 AWG LF	CAT 0010 655.0610 ELECTRICAL WIRE TRAFFIC LIGHTING 12 AWG LF	CAT 0010 655.0700 LOOP DETECTOR LEAD IN CABLE LF	
ID 6145-01-72								
PHB - HB56-01 - USH 12 AT BONANZA PHB								
HB201 - UP POLE	-	104	-	-	-	159	-	
HB202 - UP POLE	15	-	-	-	-	-	-	
HB203 - UP POLE	15	-	-	-	-	-	-	
HB204 - UP POLE	-	124	-	-	-	159	-	
HC1 - HB201	-	-	44	44	-	-	-	
HC1 - HB202	-	29	-	-	-	-	29	
HC1 - HB203	-	113	-	-	-	-	113	
HC1 - HB204	-	-	117	-	-	-	-	
HC1 - HB204	-	-	-	-	490	-	-	GROUNDING CONDUCTOR RING
HB201 - HB204	-	-	-	129	-	-	-	
CATEGORY TOTAL	30	370	161	173	490	318	142	

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TRAFFIC SIGNAL WIRE

FROM - TO	CAT 0040 655.0210 CABLE TRAFFIC SIGNAL 3-14 AWG LF	CAT 0040 655.0230 CABLE TRAFFIC SIGNAL 5-14 AWG LF	CAT 0040 655.0240 CABLE TRAFFIC SIGNAL 7-14 AWG LF	CAT 0040 655.0250 CABLE TRAFFIC SIGNAL 9-14 AWG LF	CAT 0040 655.0260 CABLE TRAFFIC SIGNAL 12-14 AWG LF	CAT 0040 655.0305 CABLE TYPE UF 2-12 AWG GROUNDED LF	CAT 0040 655.0515 ELECTRICAL WIRE TRAFFIC SIGNALS 10 AWG LF	CAT 0040 655.0610 ELECTRICAL WIRE TRAFFIC LIGHTING 12 AWG LF	CAT 0040 655.0700 LOOP DETECTOR LEAD IN CABLE LF	CAT 0040 655.0800 LOOP DETECTOR WIRE LF	CAT 0040 SPV.0090.011 INSTALL STATE-SUPPLIED NON-INTRUSIVE DETECTION CABLE LF	
ID 6145-01-72												
TRAFFIC SIGNAL - S56-1421 - USH 12 & OLYMPUS RD												
SB61 - UP POLE	15	40	-	-	-	-	-	-	-	-	-	
SB62 - UP POLE	-	138	-	-	-	-	-	318	-	-	60	
SB63 - UP POLE	15	20	-	-	-	-	-	-	-	-	-	
SB64 - UP POLE	-	84	-	-	-	-	-	-	-	-	60	
SB65 - UP POLE	15	18	-	-	-	-	-	-	-	-	-	
SB66 - UP POLE	-	94	-	-	-	-	-	318	-	-	60	
SB67 - UP POLE	15	-	-	-	-	-	-	-	-	-	-	
SB68 - UP POLE	15	20	-	-	-	-	-	150	-	-	-	
SB69 - UP POLE	15	-	-	-	-	-	-	-	-	-	-	
SC4 - SB61	-	-	-	-	56	-	-	-	56	-	-	
SC4 - SB62	-	-	-	-	134	134	-	-	-	-	134	
SC4 - SB63	-	-	-	176	-	-	-	-	176	-	-	
SC4 - SB64	-	-	-	-	298	-	-	-	-	-	298	
SC4 - SB65	-	-	279	-	-	-	-	-	279	-	-	
SC4 - SB66	-	202	-	-	-	-	-	-	-	-	202	
SC4 - SB67	-	155	-	-	-	-	-	-	155	-	-	
SC4 - SB68	-	-	153	-	-	153	-	-	153	-	-	
SC4 - SB69	-	59	-	-	-	-	-	-	59	-	-	
SB68 - SB66	-	-	-	-	-	107	-	-	-	-	-	
SC4 - SC4	-	-	-	-	-	-	953	-	-	-	-	GROUNDING CONDUCTOR RING
PB69 - LOOP 21	-	-	-	-	-	-	-	-	-	136	-	
PB69 - LOOP 22	-	-	-	-	-	-	-	-	-	196	-	
PB71 - LOOP 61	-	-	-	-	-	-	-	-	-	256	-	
PB71 - LOOP 62	-	-	-	-	-	-	-	-	-	196	-	
SC4 - PB69	-	-	-	-	-	-	-	-	628	-	-	
SC4 - PB71	-	-	-	-	-	-	-	-	880	-	-	
CATEGORY TOTAL	90	830	432	176	488	394	953	786	2386	784	814	

MONOTUBE POLES

SIGNAL BASE NUMBER	STATION	R/L	OFFSET	CAT 0040 657.0345 POLES TYPE 9 EACH	CAT 0010 657.0350 POLES TYPE 10 EACH	CAT 0040 657.0350 POLES TYPE 10 EACH	CAT 0010 657.0352 POLES TYPE 10 SPECIAL EACH	CAT 0040 657.0520 MONOTUBE ARMS 20-FT EACH	CAT 0040 657.0525 MONOTUBE ARMS 25-FT EACH	CAT 0010 657.0530 MONOTUBE ARMS 30-FT EACH	CAT 0040 657.0530 MONOTUBE ARMS 30-FT EACH	CAT 0010 657.0541 MONOTUBE ARMS 40-FT SPECIAL EACH	CAT 0010 657.0815 LUMINAIRE ARMS STEEL 15-FT EACH	CAT 0040 657.0815 LUMINAIRE ARMS STEEL 15-FT EACH
ID 6145-01-72														
PHB - HB56-01 - USH 12 AT BONANZA PHB														
HB201	680 + 43	R	34.1	-	1	-	-	-	-	1	-	-	1	-
HB204	680 + 29	L	51.8	-	-	-	1	-	-	-	-	1	1	-
TRAFFIC SIGNAL - S56-1421 - USH 12 & OLYMPUS DR														
SB62	665 + 23	L	9.6	-	-	1	-	-	-	-	1	-	-	2
SB64	664 + 31	R	26.1	1	-	-	-	1	-	-	-	-	-	-
SB66	663 + 84	L	14.3	-	-	1	-	-	1	-	-	-	-	2
CATEGORY TOTAL				1	1	2	1	1	1	1	1	1	2	4

TRAFFIC SIGNAL POLES

SIGNAL BASE NUMBER	STATION	R/L	OFFSET	CAT 0010 657.0100 PEDESTAL BASES EACH	CAT 0040 657.0100 PEDESTAL BASES EACH	CAT 0040 657.0255 TRANSFORMER BASES BREAKAWAY 11 1/2 INCH BOLT CIRCLE EACH	CAT 0040 657.0420 TRAFFIC SIGNAL STANDARD ALUMINUM 13-FT EACH	CAT 0040 657.0425 TRAFFIC SIGNAL STANDARD ALUMINUM 15-FT EACH	CAT 0010 657.0430 TRAFFIC SIGNAL STANDARD ALUMINUM 10-FT EACH	CAT 0040 657.0430 TRAFFIC SIGNAL STANDARD ALUMINUM 10-FT EACH	CAT 0040 657.0315 POLES TYPE 4 EACH	CAT 0040 657.0709 LUMINAIRE ARMS TRUSS TYPE 4-INCH CLAMP 12-FT EACH
ID 6145-01-72												
PHB - HB56-01 - USH 12 AT BONANZA PHB												
HB202	680 + 29	R	26.2	1	-	-	-	-	1	-	-	-
HB203	680 + 42	L	38.9	1	-	-	-	-	1	-	-	-
TRAFFIC SIGNAL - S56-1421 - USH 12 & OLYMPUS DR												
SB61	665 + 14	L	56.6	-	1	-	-	1	-	-	-	-
SB63	665 + 14	R	26.1	-	1	-	-	1	-	-	-	-
SB65	663 + 86	R	26.0	-	1	-	1	-	-	-	-	-
SB67	663 + 85	L	44.7	-	1	-	-	-	-	1	-	-
SB68	664 + 17	L	69.5	-	-	1	-	-	-	-	1	1
SB69	664 + 82	L	69.5	-	1	-	-	-	-	1	-	-
CATEGORY TOTAL				2	5	1	1	2	2	2	1	1

REMOVALS

EXISTING INTERSECTION	CAT 0010 204.0195 REMOVING CONCRETE BASES EACH	CAT 0040 204.0195 REMOVING CONCRETE BASES EACH	CAT 0040 204.0246.03 REMOVING ANCILLARY STRUCTURE (S-56-8002-02) EACH	CAT 0040 204.0246.04 REMOVING ANCILLARY STRUCTURE (S-56-8002-06) EACH	CAT 0010 204.0246.05 REMOVING ANCILLARY STRUCTURE (S-56-8003-02) EACH	CAT 0010 204.0246.06 REMOVING ANCILLARY STRUCTURE (S-56-8003-06) EACH	CAT 0010 204.9060.S.04 REMOVING TRAFFIC SIGNALS (USH 12 AT BONANZA PHB) EACH	CAT 0040 204.9060.S.05 REMOVING TRAFFIC SIGNALS (USH 12 AT OLYMPUS PHB) EACH	CAT 0010 653.0905 REMOVING PULL BOXES EACH	CAT 0040 653.0905 REMOVING PULL BOXES EACH	CAT 0010 659.5000.S LAMP, BALLAST, LED, SWITCH DISPOSAL BY CONTRACTOR EACH	CAT 0040 659.5000.S LAMP, BALLAST, LED, SWITCH DISPOSAL BY CONTRACTOR EACH
ID 6145-01-72												
PHB - HB56-01 - USH 12 AT BONANZA PHB												
HC1	2	-	-	-	1	1	3	-	5	-	6	-
TRAFFIC SIGNAL - S56-1421 - USH 12 & OLYMPUS DR												
SC4	-	4	1	1	-	-	-	1	-	3	-	3
CATEGORY TOTAL	2	4	1	1	1	1	3	1	5	3	6	3

TRAFFIC SIGNAL INDICATIONS AND EQUIPMENT

	SIGNAL BASE NUMBER	STATION	R/L	OFFSET	CAT 0010 658.0173 TRAFFIC SIGNAL FACE 3S 12-INCH EACH	CAT 0040 658.0173 TRAFFIC SIGNAL FACE 3S 12-INCH EACH	CAT 0040 658.0174 TRAFFIC SIGNAL FACE 4S 12-INCH EACH	CAT 0010 SPV.0060.012 ACCESSIBLE PEDESTRIAN SIGNALS EACH	CAT 0040 SPV.0060.012 ACCESSIBLE PEDESTRIAN SIGNALS EACH	CAT 0010 658.0416 PEDESTRIAN SIGNAL FACE 16-INCH EACH	CAT 0040 658.0416 PEDESTRIAN SIGNAL FACE 16-INCH EACH	CAT 0010 659.1125 LUMINAIRES UTILITY LED C EACH	CAT 0040 659.1125 LUMINAIRES UTILITY LED C EACH
ID 6145-01-72													
PHB - HB56-01 - USH 12 AT BONANZA PHB													
	HB201	680 + 43	R	34.1	2	-	-	-	-	-	-	1	-
	HB202	680 + 29	R	26.2	-	-	-	1	-	1	-	-	-
	HB203	680 + 42	L	38.9	-	-	-	1	-	1	-	-	-
	HB204	680 + 29	L	51.8	2	-	-	-	-	-	-	1	-
TRAFFIC SIGNAL - S56-1421 - USH 12 & OLYMPUS DR													
	SB61	665 + 14	L	56.6	-	1	1	-	1	-	1	-	-
	SB62	665 + 23	L	9.6	-	2	1	-	-	-	-	-	2
	SB63	665 + 14	R	26.1	-	-	1	-	1	-	1	-	-
	SB64	664 + 31	R	26.1	-	-	2	-	-	-	-	-	-
	SB65	663 + 86	R	26.0	-	1	-	-	1	-	1	-	-
	SB66	663 + 84	L	14.3	-	2	-	-	-	-	-	-	2
	SB67	663 + 85	L	44.7	-	-	-	-	1	-	1	-	-
	SB68	664 + 17	L	69.5	-	1	-	-	1	-	1	-	1
	SB69	664 + 82	L	69.5	-	-	-	-	1	-	1	-	-
	CATEGORY TOTAL				4	7	5	2	6	2	6	2	5

ELECTRICAL EQUIPMENT

	CABINET BASE NUMBER	STATION	R/L	OFFSET	CAT 0010 654.0217 CONCRETE CONTROL CABINET BASES TYPE 9 SPECIAL EACH	CAT 0040 654.0217 CONCRETE CONTROL CABINET BASES TYPE 9 SPECIAL EACH	CAT 0010 656.0201.04 ELECTRICAL SERVICE METER BREAKER PEDESTAL (USH 12 AT BONANZA PHB) EACH	CAT 0040 656.0201.05 ELECTRICAL SERVICE METER BREAKER PEDESTAL (USH 12 & OLYMPUS DR) EACH	CAT 0010 658.5070.04 SIGNAL MOUNTING HARDWARE (USH 12 AT BONANZA PHB) EACH	CAT 0040 658.5070.05 SIGNAL MOUNTING HARDWARE (USH 12 & OLYMPUS DR) EACH	CAT 0010 SPV.0060.011 TEMPORARY RECTANGULAR RAPID FLASHING BEACON (USH 12 AT OLYMPUS DR) EACH
ID 6145-01-72											
PHB - HB56-01 - USH 12 AT BONANZA PHB											
	HC1	680 + 28	R	34.7	1	-	1	-	1	-	1
TRAFFIC SIGNAL - S56-1421 - USH 12 & OLYMPUS DR											
	SC4	664 + 97	L	73.4	-	1	-	1	-	1	-
	CATEGORY TOTAL				1	1	1	1	1	1	1

PULL BOXES

PULLBOX NUMBER	STATION	R/L	OFFSET	CAT 0010 653.0164 PULL BOXES NON-CONDUCTIVE 24X42-INCH EACH	CAT 0040 653.0164 PULL BOXES NON-CONDUCTIVE 24X42-INCH EACH	CAT 0090 653.0164 PULL BOXES NON-CONDUCTIVE 24X42-INCH EACH
ID 6145-01-74						
TRAFFIC SIGNAL - S56-0005 - USH 12 & STH 13/16/23						
PB1	741 + 5	R	61.8	1	-	-
PB2	741 + 24	R	33.1	1	-	-
PB3	741 + 17	L	17.1	1	-	-
PB4	741 + 15	L	66.6	1	-	-
PB5	740 + 89	L	91.4	1	-	-
PB6	741 + 77	L	91.6	1	-	-
PB7	742 + 21	L	99.4	1	-	-
PB8	742 + 36	L	86	1	-	-
PB9	742 + 43	L	9.9	1	-	-
PB10	742 + 49	R	50.1	1	-	-
PB11	742 + 92	R	79	1	-	-
PB12	741 + 91	R	47.4	1	-	-
PB13	741 + 47	R	44.8	1	-	-
PB14	741 + 15	R	68	1	-	-
TRAFFIC SIGNAL - S56-1420 - USH 12 & DELLSHIRE DR						
PB21	723 + 64	L	51.4	-	1	-
PB22	723 + 62	R	38.8	-	1	-
PB23	723 + 17	R	44.1	-	1	-
PB24	722 + 58	R	40.7	-	1	-
PB25	722 + 45	L	61.9	-	1	-
PB26	723 + 50	L	64.9	-	1	-
PB27	724 + 89	L	51.5	-	1	-
PB28	726 + 0	L	51.6	-	1	-
PB29	721 + 24	R	29.5	-	1	-
PB30	720 + 3	R	29.5	-	1	-
TRAFFIC SIGNAL - S56-0522 - USH 12 & CTH A						
PB41	715 + 13	R	64.0	-	-	1
PB42	714 + 33	R	67.6	-	-	1
PB43	714 + 5	R	39.0	-	-	1
PB44	714 + 12	L	65.5	-	-	1
PB45	715 + 34	L	60.7	-	-	1
PB46	715 + 23	R	52.8	-	-	1
PB47	712 + 78	R	27.0	-	-	1
PB48	711 + 57	R	26.8	-	-	1
PB49	716 + 53	L	51.4	-	-	1
PB50	717 + 73	L	51.4	-	-	1
	CATEGORY 0010 TOTAL			14	-	-
	CATEGORY 0040 TOTAL			-	10	-
	CATEGORY 0090 TOTAL			-	-	10

SIGNAL BASES

SIGNAL BASE NUMBER	STATION	R/L	OFFSET	CAT 0010 654.0101 CONCRETE BASES TYPE 1 EACH	CAT 0010 654.0102 CONCRETE BASES TYPE 2 EACH	CAT 0010 654.0120 CONCRETE BASES TYPE 10-SPECIAL EACH
ID 6145-01-74						
TRAFFIC SIGNAL - S56-0005 - USH 12 & STH 13/16/23						
SB1	741 + 26	R	30.1	-	1	-
SB2	741 + 24	L	64.9	-	-	1
SB3	741 + 32	L	78.6	-	1	-
SB4	742 + 15	L	108.6	-	-	1
SB5	742 + 19	L	89.1	1	-	-
SB6	742 + 51	L	74.4	-	1	-
SB7	742 + 59	R	31.7	-	-	1
SB8	742 + 40	R	41.9	-	1	-
SB9	741 + 51	R	38.6	-	-	1
	CATEGORY 0010 TOTAL			1	4	4

SIGNAL BASE NUMBER	STATION	R/L	OFFSET	CAT 0040 654.0101 CONCRETE BASES TYPE 1 EACH	CAT 0040 654.0110 CONCRETE BASES TYPE 10 EACH	CAT 0040 654.0113 CONCRETE BASES TYPE 13 EACH
ID 6145-01-74						
TRAFFIC SIGNAL - S56-1420 - USH 12 & DELLSHIRE DR						
SB21	723 + 54	L	51.4	1	-	-
SB22	723 + 43	R	38.2	-	-	1
SB23	723 + 13	R	38.3	1	-	-
SB24	722 + 66	R	38.1	-	1	-
SB25	722 + 35	R	29.9	1	-	-
SB26	722 + 35	L	51.8	1	-	-
SB27	722 + 30	L	60.1	-	-	1
SB28	722 + 53	L	60.1	1	-	-
SB29	723 + 46	L	60	-	1	-
	CATEGORY 0040 TOTAL			5	2	2

SIGNAL BASE NUMBER	STATION	R/L	OFFSET	CAT 0090 654.0101 CONCRETE BASES TYPE 1 EACH	CAT 0090 654.0102 CONCRETE BASES TYPE 2 EACH	CAT 0090 654.0110 CONCRETE BASES TYPE 10 EACH	CAT 0090 654.0113 CONCRETE BASES TYPE 13 EACH
ID 6145-01-74							
TRAFFIC SIGNAL - S56-0522 - USH 12 & CTH A							
SB41	715 + 8	R	55	1	-	-	-
SB42	714 + 35	R	74.7	-	-	1	-
SB43	714 + 35	R	55.4	1	-	-	-
SB44	714 + 2	R	29.8	-	1	-	-
SB45	714 + 1	L	52.5	1	-	-	-
SB46	714 + 0	L	65.1	-	-	-	1
SB47	714 + 52	L	60.3	1	-	-	-
SB48	714 + 94	L	59.8	-	-	1	-
SB49	715 + 24	L	52.3	-	1	-	-
SB50	715 + 25	R	41.6	1	-	-	-
SB51	715 + 33	R	47.5	-	-	-	1
	CATEGORY 0090 TOTAL			5	2	2	2

3

CONDUIT

FROM - TO	CAT 0010 652.0225* CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH LF	CAT 0010 652.0235 CONDUIT RIGID NONMETALLIC SCHEDULE 40 3-INCH LF
ID 6145-01-74		
TRAFFIC SIGNAL - S56-0005 - USH 12 & STH 13/16/23		
SC1 - PB1	-	18
PB1 - PB2	-	69
PB2 - PB3	-	102
PB3 - PB4	-	100
PB4 - PB6	-	134
PB6 - PB7	-	90
PB7 - PB8	-	41
PB8 - PB9	-	153
PB9 - PB10	-	121
PB10 - PB12	-	117
PB12 - PB13	-	89
PB13 - PB14	-	80
PB14 - SC1	-	18
PB2 - PB13	-	52
PB4 - PB5	36	-
PB10 - PB11	52	-
PB2 - SB1	4	-
PB4 - SB2	-	10
PB4 - SB3	21	-
PB7 - SB4	-	11
PB7 - SB5	11	-
PB8 - SB6	19	-
PB10 - SB7	-	21
PB10 - SB8	13	-
PB13 - SB9	-	8
CATEGORY 0010 TOTAL	156	1234

FROM - TO	CAT 0040 652.0225* CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH LF	CAT 0040 652.0235 CONDUIT RIGID NONMETALLIC SCHEDULE 40 3-INCH LF	CAT 0040 652.0800 CONDUIT LOOP DECTECTOR LF
ID 6145-01-74			
TRAFFIC SIGNAL - S56-1420 - USH 12 & DELLSHIRE DR			
LOOP 21 - PB28	-	-	50
LOOP 22 - PB28	-	-	70
LOOP 61 - PB30	-	-	50
LOOP 62 - PB30	-	-	70
SC2 - PB21	-	30	-
PB21 - PB22	-	181	-
PB22 - PB23	-	91	-
PB23 - PB24	-	119	-
PB24 - PB25	-	207	-
PB25 - PB26	-	211	-
PB26 - SC2	-	53	-
PB21 - PB27	126	-	-
PB27 - PB28	112	-	-
PB25 - PB29	152	-	-
PB29 - PB30	121	-	-
PB21 - SB21	10	-	-
PB22 - SB22	-	20	-
PB23 - SB23	8	-	-
PB24 - SB24	-	9	-
PB24 - SB25	26	-	-
PB25 - SB26	15	-	-
PB25 - SB27	-	16	-
PB25 - SB28	9	-	-
PB26 - SB29	-	7	-
CATEGORY 0040 TOTAL	579	944	240

FROM - TO	CAT 0090 652.0225* CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH LF	CAT 0090 652.0235 CONDUIT RIGID NONMETALLIC SCHEDULE 40 3-INCH LF	CAT 0090 652.0800 CONDUIT LOOP DECTECTOR LF
ID 6145-01-74			
TRAFFIC SIGNAL - S56-0522 - USH 12 & CTH A			
LOOP 21 - PB50	-	-	55
LOOP 22 - PB50	-	-	75
LOOP 61 - PB48	-	-	50
LOOP 62 - PB48	-	-	70
SC3 - PB41	-	25	-
PB41 - PB42	-	161	-
PB42 - PB43	-	81	-
PB43 - PB44	-	210	-
PB44 - PB45	-	245	-
PB45 - PB46	-	229	-
PB46 - SC3	-	21	-
PB43 - PB47	128	-	-
PB47 - PB48	122	-	-
PB45 - PB49	120	-	-
PB49 - PB50	120	-	-
PB41 - SB41	11	-	-
PB42 - SB42	-	8	-
PB42 - SB43	13	-	-
PB43 - SB44	10	-	-
PB44 - SB45	18	-	-
PB44 - SB46	-	13	-
PB44 - SB47	41	-	-
PB45 - SB48	-	41	-
PB45 - SB49	14	-	-
PB46 - SB50	12	-	-
PB46 - SB51	-	12	-
CATEGORY 0090 TOTAL	609	1046	250

* QUANTITIES SHOWN ELSEWHERE IN PLAN

3

TRAFFIC SIGNAL WIRE

FROM - TO	CAT 0010 655.0210 CABLE TRAFFIC SIGNAL 3-14 AWG LF	CAT 0010 655.0230 CABLE TRAFFIC SIGNAL 5-14 AWG LF	CAT 0010 655.0240 CABLE TRAFFIC SIGNAL 7-14 AWG LF	CAT0010 655.0305 CABLE TYPE UF 2-12 AWG GROUNDED LF	CAT0010 655.0515 ELECTRICAL WIRE TRAFFIC SIGNALS 10 AWG LF	CAT 0010 655.0610 ELECTRICAL WIRE TRAFFIC LIGHTING 12 AWG LF	CAT 0010 655.0700 LOOP DETECTOR LEAD IN CABLE LF	CAT 0010 SPV.0090.011 INSTALL STATE-SUPPLIED NON-INTRUSIVE DETECTION CABLE LF	
ID 6145-01-74									
TRAFFIC SIGNAL - S56-0005 - USH 12 & STH 13/16/23									
SB1 - UP POLE	15	20	-	-	-	264	-	-	
SB2 - UP POLE	15	183	-	-	-	159	-	60	
SB3 - UP POLE	15	20	-	-	-	264	-	-	
SB4 - UP POLE	-	183	-	-	-	159	-	60	
SB5 - UP POLE	15	-	-	-	-	-	-	-	
SB6 - UP POLE	15	20	-	-	-	132	-	-	
SB7 - UP POLE	15	168	-	-	-	159	-	60	
SB8 - UP POLE	15	20	-	-	-	264	-	-	
SB9 - UP POLE	15	153	-	-	-	159	-	60	
SC1 - SB1	-	-	76	76	-	-	76	-	
SC1 - SB2	-	-	203	-	-	-	203	203	
SC1 - SB3	-	-	214	-	-	-	214	-	
SC1 - SB4	-	336	-	-	-	-	-	336	
SC1 - SB5	-	336	-	-	-	-	336	-	
SC1 - SB6	-	-	378	-	-	-	378	-	
SC1 - SB7	-	-	222	-	-	-	222	222	
SC1 - SB8	-	-	214	-	-	-	214	-	
SC1 - SB9	-	-	85	85	-	-	85	85	
SB1 - SB2	-	-	-	233	-	-	-	-	
SB2 - SB3	-	-	-	49	-	-	-	-	
SB3 - SB4	-	-	-	182	-	-	-	-	
SB9 - SB8	-	-	-	163	-	-	-	-	
SB8 - SB7	-	-	-	52	-	-	-	-	
SB7 - SB6	-	-	-	216	-	-	-	-	
SC1 - SC1	-	-	-	-	1277	-	-	-	GROUNDING CONDUCTOR RING
CATEGORY 0010 TOTAL	120	1439	1392	1056	1277	1560	1728	1086	

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TRAFFIC SIGNAL WIRE

FROM - TO	CAT 0040 655.0210 CABLE TRAFFIC SIGNAL 3-14 AWG LF	CAT 0040 655.0230 CABLE TRAFFIC SIGNAL 5-14 AWG LF	CAT 0040 655.0240 CABLE TRAFFIC SIGNAL 7-14 AWG LF	CAT 0040 655.0260 CABLE TRAFFIC SIGNAL 12-14 AWG LF	CAT 0040 655.0305 CABLE TYPE UF 2-12 AWG GROUNDED LF	CAT 0040 655.0515 ELECTRICAL WIRE TRAFFIC SIGNALS 10 AWG LF	CAT 0040 655.0610 ELECTRICAL WIRE TRAFFIC LIGHTING 12 AWG LF	CAT 0040 655.0700 LOOP DETECTOR LEAD IN CABLE LF	CAT 0040 655.0800 LOOP DETECTOR WIRE LF	CAT 0040 SPV.0090.011 INSTALL STATE-SUPPLIED NON-INTRUSIVE DETECTION CABLE LF	
ID 6145-01-74											
TRAFFIC SIGNAL - S56-1420 - USH 12 & DELLSHIRE DR											
SB21 - UP POLE	-	40	-	-	-	-	-	-	-	-	
SB22 - UP POLE	-	198	-	-	-	-	159	-	-	60	
SB23 - UP POLE	15	18	-	-	-	-	-	-	-	-	
SB24 - UP POLE	15	73	-	-	-	-	159	-	-	60	
SB25 - UP POLE	15	40	-	-	-	-	-	-	-	-	
SB26 - UP POLE	15	-	-	-	-	-	-	-	-	-	
SB27 - UP POLE	-	213	-	-	-	-	159	-	-	60	
SB28 - UP POLE	15	36	-	-	-	-	-	-	-	-	
SB29 - UP POLE	15	78	-	-	-	-	159	-	-	60	
SC2 - SB21	-	-	-	41	-	-	-	-	-	-	
SC2 - SB22	-	-	-	152	152	-	-	-	-	152	
SC2 - SB23	-	-	196	-	-	-	-	196	-	-	
SC2 - SB24	-	-	267	-	-	-	-	267	-	267	
SC2 - SB25	-	-	-	284	-	-	-	284	-	-	
SC2 - SB26	-	170	-	-	-	-	-	170	-	-	
SC2 - SB27	-	-	-	171	-	-	-	-	-	171	
SC2 - SB28	-	-	-	164	-	-	-	164	-	-	
SC2 - SB29	-	-	46	-	46	-	-	46	-	46	
SB22 - SB24	-	-	-	-	173	-	-	-	-	-	
SB29 - SB27	-	-	-	-	157	-	-	-	-	-	
SC2 - SC2	-	-	-	-	-	879	-	-	-	-	GROUNDING CONDUCTOR RING
PB28 - LOOP 21	-	-	-	-	-	-	-	-	160	-	
PB28 - LOOP 22	-	-	-	-	-	-	-	-	220	-	
PB30 - LOOP 61	-	-	-	-	-	-	-	-	160	-	
PB30 - LOOP 62	-	-	-	-	-	-	-	-	220	-	
SC2 - PB28	-	-	-	-	-	-	-	570	-	-	
SC2 - PB30	-	-	-	-	-	-	-	1060	-	-	
CATEGORY 0040 TOTAL	90	866	509	812	528	879	636	2757	760	876	

TRAFFIC SIGNAL WIRE

FROM - TO	CAT 0090 655.0210 CABLE TRAFFIC SIGNAL 3-14 AWG LF	CAT 0090 655.0230 CABLE TRAFFIC SIGNAL 5-14 AWG LF	CAT 0090 655.0240 CABLE TRAFFIC SIGNAL 7-14 AWG LF	CAT 0090 655.0260 CABLE TRAFFIC SIGNAL 12-14 AWG LF	CAT 0090 655.0305 CABLE TYPE UF 2-12 AWG GROUNDED LF	CAT 0090 655.0515 ELECTRICAL WIRE TRAFFIC SIGNALS 10 AWG LF	CAT 0090 655.0610 ELECTRICAL WIRE TRAFFIC LIGHTING 12 AWG LF	CAT 0090 655.0700 LOOP DETECTOR LEAD IN CABLE LF	CAT 0090 655.0800 LOOP DETECTOR WIRE LF	CAT 0090 SPV.0090.011 INSTALL STATE-SUPPLIED NON-INTRUSIVE DETECTION CABLE LF	
ID 6145-01-74											
TRAFFIC SIGNAL - S56-0522 - USH 12 & CTH A											
SB41 - UP POLE	15	36	-	-	-	-	-	-	-	-	
SB42 - UP POLE	-	58	-	-	-	-	159	-	-	60	
SB43 - UP POLE	15	-	-	-	-	-	-	-	-	-	
SB44 - UP POLE	15	40	-	-	-	-	150	-	-	-	
SB45 - UP POLE	15	-	-	-	-	-	-	-	-	-	
SB46 - UP POLE	-	213	-	-	-	-	159	-	-	60	
SB47 - UP POLE	15	36	-	-	-	-	-	-	-	-	
SB48 - UP POLE	15	63	-	-	-	-	159	-	-	60	
SB49 - UP POLE	15	40	-	-	-	-	150	-	-	-	
SB50 - UP POLE	15	-	-	-	-	-	-	-	-	-	
SB51 - UP POLE	-	213	-	-	-	-	159	-	-	60	
SC3 - SB41	-	-	-	41	-	-	-	41	-	-	
SC3 - SB42	-	129	-	-	129	-	-	-	-	129	
SC3 - SB43	-	134	-	-	-	-	-	134	-	-	
SC3 - SB44	-	-	-	182	-	-	-	182	-	-	
SC3 - SB45	-	305	-	-	-	-	-	305	-	-	
SC3 - SB46	-	-	-	299	-	-	-	-	-	299	
SC3 - SB47	-	-	-	327	-	-	-	327	-	-	
SC3 - SB48	-	-	194	-	-	-	-	194	-	194	
SC3 - SB49	-	-	-	167	-	-	-	167	-	-	
SC3 - SB50	-	40	-	-	-	-	-	40	-	-	
SC3 - SB51	-	-	-	40	40	-	-	-	-	40	
SB42 - SB44	-	-	-	-	87	-	-	-	-	-	
SB44 - SB46	-	-	-	-	156	-	-	-	-	-	
SB51 - SB49	-	-	-	-	169	-	-	-	-	-	
SB49 - SB48	-	-	-	-	73	-	-	-	-	-	
SC3 - SC3	-	-	-	-	-	1103	-	-	-	-	GROUNDING CONDUCTOR RING
PB50 - LOOP 21	-	-	-	-	-	-	-	-	175	-	
PB50 - LOOP 22	-	-	-	-	-	-	-	-	235	-	
PB48 - LOOP 61	-	-	-	-	-	-	-	-	160	-	
PB48 - LOOP 62	-	-	-	-	-	-	-	-	220	-	
SC3 - PB48	-	-	-	-	-	-	-	876	-	-	
SC3 - PB50	-	-	-	-	-	-	-	818	-	-	
CATEGORY 0090 TOTAL	120	1307	194	1056	654	1103	936	3084	790	902	

MONOTUBE POLES

SIGNAL BASE NUMBER	STATION	R/L	OFFSET	CAT 0010 657.0352 POLES TYPE 10 SPECIAL EACH	CAT 0010 657.0541 MONOTUBE ARMS 40-FT SPECIAL EACH	CAT 0010 657.0546 MONOTUBE ARMS 45-FT SPECIAL EACH	CAT 0010 657.0815 LUMINAIRE ARMS STEEL 15-FT EACH
ID 6145-01-74							
TRAFFIC SIGNAL - S56-0005 - USH 12 & STH 13/16/23							
SB2	741 + 24	L	64.9	1	-	1	1
SB4	742 + 15	L	108.6	1	-	1	1
SB7	742 + 59	R	31.7	1	1	-	1
SB9	741 + 51	R	38.6	1	1	-	1
CATEGORY 0010 TOTAL				4	2	2	4

SIGNAL BASE NUMBER	STATION	R/L	OFFSET	CAT 0040 657.0350 POLES TYPE 10 EACH	CAT 0040 657.0360 POLES TYPE 13 EACH	CAT 0040 657.0525 MONOTUBE ARMS 25-FT EACH	CAT 0040 657.0530 MONOTUBE ARMS 30-FT EACH	CAT 0040 657.0550 MONOTUBE ARMS 50-FT EACH	CAT 0040 657.0555 MONOTUBE ARMS 55-FT EACH	CAT 0040 657.0815 LUMINAIRE ARMS STEEL 15-FT EACH
ID 6145-01-74										
TRAFFIC SIGNAL - S56-1420 - USH 12 & DELLSHIRE DR										
SB22	723 + 43	R	38.2	-	1	-	-	1	-	1
SB24	722 + 66	R	38.1	1	-	1	-	-	-	1
SB27	722 + 30	L	60.1	-	1	-	-	-	1	1
SB29	723 + 46	L	60	1	-	-	1	-	-	1
CATEGORY 0040 TOTAL				2	2	1	1	1	1	4

SIGNAL BASE NUMBER	STATION	R/L	OFFSET	CAT 0090 657.0350 POLES TYPE 10 EACH	CAT 0090 657.0360 POLES TYPE 13 EACH	CAT 0090 657.0515 MONOTUBE ARMS 15-FT EACH	CAT 0090 657.0530 MONOTUBE ARMS 30-FT EACH	CAT 0090 657.0555 MONOTUBE ARMS 55-FT EACH	CAT 0090 657.0815 LUMINAIRE ARMS STEEL 15-FT EACH
ID 6145-01-74									
TRAFFIC SIGNAL - S56-0522 - USH 12 & CTH A									
SB22	714 + 35	R	74.7	1	-	-	1	-	1
SB24	714 + 0	L	65.1	-	1	-	-	1	1
SB27	714 + 94	L	59.8	1	-	1	-	-	1
SB29	715 + 33	R	48	-	1	-	-	1	1
CATEGORY 0090 TOTAL				2	2	1	1	2	4

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TRAFFIC SIGNAL POLES

SIGNAL BASE NUMBER	STATION	R/L	OFFSET	CAT 0010 657.0100 PEDESTAL BASES EACH	CAT 0010 657.0255 TRANSFORMER BASES BREAKAWAY 11 1/2 INCH BOLT CIRCLE EACH	CAT 0010 657.0430 TRAFFIC SIGNAL STANDARD ALUMINUM 10-FT EACH	CAT 0010 657.0315 POLES TYPE 4 EACH	CAT 0010 657.0609 LUMINAIRE ARMS SINGLE MEMBER 4-INCH CLAMP 6-FT EACH
ID 6145-01-74								
TRAFFIC SIGNAL - S56-0005 - USH 12 & STH 13/16/23								
SB1	741 + 26	R	30.1	-	1	-	1	2
SB3	741 + 32	L	78.6	-	1	-	1	2
SB5	742 + 19	L	89.1	1	-	1	-	-
SB6	742 + 51	L	74.4	-	1	-	1	1
SB8	742 + 40	R	41.9	-	1	-	1	2
	CATEGORY 0010 TOTAL			1	4	1	4	7

SIGNAL BASE NUMBER	STATION	R/L	OFFSET	CAT 0040 657.0100 PEDESTAL BASES EACH	CAT 0040 657.0420 TRAFFIC SIGNAL STANDARD ALUMINUM 13-FT EACH	CAT 0040 657.0425 TRAFFIC SIGNAL STANDARD ALUMINUM 15-FT EACH	CAT 0040 657.0430 TRAFFIC SIGNAL STANDARD ALUMINUM 10-FT EACH
ID 6145-01-74							
TRAFFIC SIGNAL - S56-1420 - USH 12 & DELLSHIRE DR							
SB21	723 + 54	L	51.4	1	-	1	-
SB23	723 + 13	R	38.3	1	1	-	-
SB25	722 + 35	R	29.9	1	-	1	-
SB26	722 + 35	L	51.8	1	-	-	-
SB28	722 + 53	L	60.1	1	1	-	1
	CATEGORY 0040 TOTAL			5	2	2	1

SIGNAL BASE NUMBER	STATION	R/L	OFFSET	CAT 0090 657.0100 PEDESTAL BASES EACH	CAT 0090 657.0255 TRANSFORMER BASES BREAKAWAY 11 1/2 INCH BOLT CIRCLE EACH	CAT 0090 657.0420 TRAFFIC SIGNAL STANDARD ALUMINUM 13-FT EACH	CAT 0090 657.0430 TRAFFIC SIGNAL STANDARD ALUMINUM 10-FT EACH	CAT 0090 657.0315 POLES TYPE 4 EACH	CAT 0090 657.0709 LUMINAIRE ARMS TRUSS MEMBER 4-INCH CLAMP 12-FT EACH
ID 6145-01-74									
TRAFFIC SIGNAL - S56-0522 - USH 12 & CTH A									
SB41	715 + 8	R	55	1	-	1	-	-	-
SB43	714 + 35	R	55.4	1	-	-	1	-	-
SB44	714 + 2	R	29.8	-	1	-	-	1	1
SB45	714 + 1	L	52.5	1	-	-	1	-	-
SB47	714 + 52	L	60.3	1	-	1	-	-	-
SB49	715 + 24	L	52.3	-	1	-	-	1	1
SB50	715 + 25	R	41.6	1	-	-	1	-	-
	CATEGORY 0090 TOTAL			5	2	2	3	2	2

ELECTRICAL EQUIPMENT

	CABINET BASE NUMBER	STATION	R/L	OFFSET	CAT 0010 654.0217 CONCRETE CONTROL CABINET BASES TYPE 9 SPECIAL EACH	CAT 0040 654.0217 CONCRETE CONTROL CABINET BASES TYPE 9 SPECIAL EACH	CAT 0090 654.0217 CONCRETE CONTROL CABINET BASES TYPE 9 SPECIAL EACH	CAT 0010 656.0201.01 ELECTRICAL SERVICE METER BREAKER PEDESTAL (USH 12 & STH 13/16/23) EACH	CAT 0040 656.0201.02 ELECTRICAL SERVICE METER BREAKER PEDESTAL (USH 12 & DELLSHIRE DR) EACH	CAT 0090 656.0201.03 ELECTRICAL SERVICE METER BREAKER PEDESTAL (USH 12 & CTH A) EACH	CAT 0010 658.5070.01 SIGNAL MOUNTING HARDWARE (USH 12 & (STH 13/16/23) EACH	CAT 0040 658.5070.02 SIGNAL MOUNTING HARDWARE (USH 12 & DELLSHIRE DR) EACH	CAT 0090 658.5070.03 SIGNAL MOUNTING HARDWARE (USH 12 & CTH A) EACH
ID 6145-01-74													
TRAFFIC SIGNAL - S56-0005 - USH 12 & STH 13/16/23													
	SC1	741 + 10	R	64.7	1	-	-	1	-	-	1	-	-
TRAFFIC SIGNAL - S56-1420 - USH 12 & DELLSHIRE DR													
	SC2	723 + 67	L	60.9	-	1	-	-	1	-	-	1	-
TRAFFIC SIGNAL - S56-0522 - USH 12 & CTH A													
	SC3	715 + 18	R	57.6	-	-	1	-	-	1	-	-	1
CATEGORY TOTAL					1	1	1	1	1	1	1	1	1

REMOVALS

	EXISTING INTERSECTION	CAT 0010 204.0195 REMOVING CONCRETE BASES EACH	CAT 0090 204.0195 REMOVING CONCRETE BASES EACH	CAT 0010 204.9060.S.01 REMOVING TRAFFIC SIGNALS (USH 12 & STH 13/16/23) EACH	CAT 0090 204.9060.S.03 REMOVING TRAFFIC SIGNALS (USH 12 & CTH A) EACH	CAT 0010 653.0905 REMOVING PULL BOXES EACH	CAT 0090 653.0905 REMOVING PULL BOXES EACH	CAT 0010 659.5000.S LAMP, BALLAST, LED, SWITCH DISPOSAL BY CONTRACTOR EACH	CAT 0090 659.5000.S LAMP, BALLAST, LED, SWITCH DISPOSAL BY CONTRACTOR EACH
ID 6145-01-74									
TRAFFIC SIGNAL - S56-0005 - USH 12 & STH 13/16/23									
	SC1	11	-	11	-	16	-	17	-
TRAFFIC SIGNAL - S56-0522 - USH 12 & CTH A									
	SC3	-	10	-	10	-	17	-	17
CATEGORY TOTAL		11	10	11	10	16	17	17	17

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TRAFFIC SIGNAL INDICATIONS AND EQUIPMENT

SIGNAL BASE NUMBER	STATION	R/L	OFFSET	CAT 0010 658.0173 TRAFFIC SIGNAL FACE 3S 12-INCH EACH	CAT 0010 658.0174 TRAFFIC SIGNAL FACE 4S 12-INCH EACH	CAT 0010 SPV.0060.012 ACCESSIBLE PEDESTRIAN SIGNALS EACH	CAT 0010 658.0416 PEDESTRIAN SIGNAL FACE 16-INCH EACH	CAT 0010 659.1125 LUMINAIRES UTILITY LED C EACH
ID 6145-01-74								
TRAFFIC SIGNAL - S56-0005 - USH 12 & STH 13/16/23								
SB1	741 + 26	R	30.1	1	-	1	1	2
SB2	741 + 24	L	64.9	2	1	1	1	1
SB3	741 + 32	L	78.6	1	-	1	1	2
SB4	742 + 15	L	108.6	2	1	-	-	1
SB5	742 + 19	L	89.1	-	-	1	1	-
SB6	742 + 51	L	74.4	1	-	1	1	1
SB7	742 + 59	R	31.7	2	1	1	1	1
SB8	742 + 40	R	41.9	1	-	1	1	2
SB9	741 + 51	R	38.6	3	-	1	1	1
	CATEGORY 0010 TOTAL			13	3	8	8	11

SIGNAL BASE NUMBER	STATION	R/L	OFFSET	CAT 0040 658.0173 TRAFFIC SIGNAL FACE 3S 12-INCH EACH	CAT 0040 658.0174 TRAFFIC SIGNAL FACE 4S 12-INCH EACH	CAT 0040 SPV.0060.012 ACCESSIBLE PEDESTRIAN SIGNALS EACH	CAT 0040 658.0416 PEDESTRIAN SIGNAL FACE 16-INCH EACH	CAT 0040 659.1125 LUMINAIRES UTILITY LED C EACH
ID 6145-01-74								
TRAFFIC SIGNAL - S56-1420 - USH 12 & DELLSHIRE DR								
SB21	723 + 54	L	51.4	1	1	-	-	-
SB22	723 + 43	R	38.2	2	1	-	-	1
SB23	723 + 13	R	38.3	1	-	1	1	-
SB24	722 + 66	R	38.1	2	-	1	1	1
SB25	722 + 35	R	29.9	1	1	1	1	-
SB26	722 + 35	L	51.8	-	-	1	1	-
SB27	722 + 30	L	60.1	2	1	-	-	1
SB28	722 + 53	L	60.1	2	-	1	1	-
SB29	723 + 46	L	60	1	-	1	1	1
	CATEGORY 0040 TOTAL			12	4	6	6	4

SIGNAL BASE NUMBER	STATION	R/L	OFFSET	CAT 0090 658.0173 TRAFFIC SIGNAL FACE 3S 12-INCH EACH	CAT 0090 658.0174 TRAFFIC SIGNAL FACE 4S 12-INCH EACH	CAT 0090 SPV.0060.012 ACCESSIBLE PEDESTRIAN SIGNALS EACH	CAT 0090 658.0416 PEDESTRIAN SIGNAL FACE 16-INCH EACH	CAT 0090 659.1125 LUMINAIRES UTILITY LED C EACH
ID 6145-01-74								
TRAFFIC SIGNAL - S56-0522 - USH 12 & CTH A								
SB41	715 + 8	R	55	2	-	1	1	-
SB42	714 + 35	R	74.7	1	-	-	-	1
SB43	714 + 35	R	55.4	-	-	1	1	-
SB44	714 + 2	R	29.8	1	1	1	1	1
SB45	714 + 1	L	52.5	-	-	1	1	-
SB46	714 + 0	L	65.1	2	1	-	-	1
SB47	714 + 52	L	60.3	2	-	1	1	-
SB48	714 + 94	L	59.8	2	-	1	1	1
SB49	715 + 24	L	52.3	1	1	1	1	1
SB50	715 + 25	R	41.6	-	-	1	1	-
SB51	715 + 33	R	47.5	2	1	-	-	1
	CATEGORY 0090 TOTAL			13	4	8	8	6

INTERCONNECT PULL BOXES & VAULTS

	PULLBOX NUMBER	STATION	R/L	OFFSET	CAT 0010 673.0110 COMMUNICATION VAULT TYPE ROUND EACH
ID 6145-01-74					
	CV1	741 + 5	R	61.8	1
	CV2	741 + 24	R	33.1	1
	CV3	741 + 17	L	17.1	1
		ID 6145-01-74 TOTAL			3
ID 6145-01-72					
	CV4	723 + 64	L	51.4	1
	CV5	723 + 62	R	38.8	1
	CV6	723 + 17	R	44.1	1
	CV7	722 + 58	R	40.7	1
		ID 6145-01-72 TOTAL			4
ID 6145-01-73					
	CV8	715 + 13	R	64.0	1
	CV9	714 + 33	R	67.6	1
	CV10	714 + 5	R	39.0	1
		ID 6145-01-73 TOTAL			3
		INTERCONNECT TOTAL			10

INTERCONNECT CABLE

	FROM - TO	CAT0010 655.0510 ELECTRICAL WIRE TRAFFIC SIGNALS 12 AWG LF	CAT0010 678.0024 INSTALL FIBER OPTIC CABLE OURDOOR PLANT 24-CT LF
ID 6145-01-74			
	CV1 - CV2	1717	1867
	CV2 - CV3	826	976
	ID 6145-01-74 TOTAL	2543	2843
ID 6145-01-72			
	CV3 - CV5	3513	3813
	CV5 - CV6	1499	1649
	ID 6145-01-72 TOTAL	5012	5462
ID 6145-01-73			
	CV6 - CV8	2085	2385
	CV8 - CV9	971	1121
	CV9 - CV10	1211	1361
	ID 6145-01-73 TOTAL	4267	4867
	INTERCONNECT TOTAL	11822	13172

INTERCONNECT CONDUIT

	FROM - TO	CAT 0010 652.0225* CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH LF	CAT 0010 671.0122 CONDUIT HDPE 2-DUCT 2-INCH LF
ID 6145-01-74			
	PB1 - CV1	19	-
	CV1 - CV2	-	1717
	CV2 - PB22	11	-
	CV2 - CV3	-	826
	CV3 - PB46	25	
	CV3 - CV4	-	1845
	ID 6145-01-74 TOTAL	55	4388
ID 6145-01-72			
	CV4 - CV5	-	1669
	CV5 - PB201	16	-
	CV5 - CV6	-	1499
	CV6 - PB63	41	-
	CV6 - CV7	-	1189
	ID 6145-01-72 TOTAL	57	4357
ID 6145-01-73			
	CV7 - CV8	-	897
	CV8 - PB84	21	-
	CV8 - CV9	-	971
	CV9 - PB222	31	-
	PB222 - CV10	-	1211
	CV10 - PB214	13	-
	ID 6145-01-73 TOTAL	65	3079
	INTERCONNECT TOTAL	177	11824

* QUANTITIES SHOWN ELSEWHERE IN PLANS

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COMMUNICATIONS EQUIPMENT

	CABINET BASE NUMBER	STATION	R/L	OFFSET	CAT 0010 678.0600 INSTALL ETHERNET SWITCHES EACH	CAT 0010 670.0101 FIELD SYSTEM INTEGRATOR EACH	CAT 0010 670.0201 ITS DOCUMENTATION EACH	CAT 0010 678.0501 COMMUNICATION SYSTEM TESTING EACH	CAT 0010 678.0200 FIBER OPTIC SPLICE ENCLOSURE EACH	CAT 0010 678.0300 FIBER OPTIC SPLICE EACH
ID 6145-01-74										
TRAFFIC SIGNAL - S56-0005 - USH 12 & STH 13/16/23										
	SC1	741 + 10	R	64.7	1	1	1	1	1	4
TRAFFIC SIGNAL - S56-1420 - USH 12 & DELLSHIRE DR										
	SC2	723 + 67	L	60.9	1	-	-	-	1	4
TRAFFIC SIGNAL - S56-0522 - USH 12 & CTH A										
	SC3	715 + 18	R	57.6	1	-	-	-	1	4
		ID 6145-01-74 TOTAL			3	1	1	1	3	12
ID 6145-01-72										
PHB - HB56-01 - USH 12 AT BONANZA PHB										
	HC1	680 + 28	R	34.7	1	-	-	-	1	4
TRAFFIC SIGNAL - S56-1421 - USH 12 & OLYMPUS RD										
	SC4	664 + 97	L	73.4	1	-	-	-	1	4
		ID 6145-01-72 TOTAL			2	-	-	-	2	8
ID 6145-01-73										
TRAFFIC SIGNAL - S56-0307 - USH 12 & LAKE AVE										
	SC5	643 + 52	R	42.4	1	-	-	-	1	4
PHB - HB56-04 - USH 12 AT HIAWATHA PHB										
	HC3	634 + 81	L	46.6	1	-	-	-	1	4
PHB - HB56-03 - USH 12 AT NEWSOME PHB										
	HC2	621 + 39	L	57.0	1	-	-	-	1	4
		ID 6145-01-73 TOTAL			3	-	-	-	3	12
		INTERCONNECT TOTAL			8	1	1	1	8	32

SANITARY MANHOLE SUMMARY

CATEGORY	NUMBER	STATION	OFFSET DIST.	OFFSET DIR.	LOCATION	STRUCTURE	SPV.0060.020 VLD REMOVE EX. SANITARY SEWER MANHOLE EACH	SPV.0060.021 VLD 48-INCH SANITARY MANHOLE EACH	SPV.0060.022 VLD 48-INCH SANITARY MANHOLE W/EXTERNAL DROP, COMPLETE EACH	SPV.0060.024 VLD CONNECT TO EX. SANITARY SEWER MANHOLE EACH
0010	4:57	625+25.25	38.36'	RT	USH 12	MANHOLE	1	1	-	-
	4:63	630+48.86	29.80'	RT	USH 12	MANHOLE	1	1	-	2
	4:82	632+68.44	40.83'	LT	USH 12	MANHOLE	1	1	-	-
	4:81A	633+78.38	39.81'	LT	USH 12	MANHOLE	1	1	-	-
	5:78	650+37.02	41.96'	LT	USH 12	MANHOLE	1	1	-	-
	5:59	650+39.44	33.24'	RT	USH 12	MANHOLE	1	1	-	-
	5:79	654+44.01	44.84'	LT	USH 12	MANHOLE	1	1	-	-
TOTAL CATEGORY 0010, 6145-01-73							7	7	0	2
	3:55	605+37.77	10.73'	RT	USH 12	MANHOLE	1	1	-	-
	3:56	606+44.12	11.71'	RT	USH 12	MANHOLE	1	1	-	-
	3:63	608+61.17	16.06'	RT	USH 12	MANHOLE	1	1	-	-
	3:90	608+58.96	33.86'	LT	USH 12	MANHOLE	-	-	1	-
	EX 3:90	608+82.68	38.17'	LT	USH 12	MANHOLE	-	1	-	-
	3:71	610+24.80	78.24'	RT	USH 12	MANHOLE	-	-	-	1
	3:70	610+25.68	16.40'	RT	USH 12	MANHOLE	1	-	1	-
	3:72	610+26.56	29.05'	LT	USH 12	MANHOLE	1	1	-	-
	3:69A	613+49.52	16.50'	RT	USH 12	MANHOLE	1	-	1	-
	3:68A	615+03.72	16.50'	RT	USH 12	MANHOLE	1	1	-	-
	3:84	615+10.96	34.41'	RT	USH 12	MANHOLE	-	-	-	1
	3:68	616+18.95	16.50'	RT	USH 12	MANHOLE	1	1	-	-
	3:66	618+46.60	39.18'	LT	USH 12	MANHOLE	1	1	-	-
	3:67	618+48.45	16.50'	RT	USH 12	MANHOLE	1	1	-	-
	4:52	619+93.31	16.50'	RT	USH 12	MANHOLE	1	1	-	-
	4:53	620+87.52	16.50'	RT	USH 12	MANHOLE	1	1	-	-
	4:90	621+07.69	42.28'	LT	USH 12	MANHOLE	1	1	-	-
	4:54	623+19.70	16.50'	RT	USH 12	MANHOLE	1	1	-	-
	4:55	623+69.17	22.36'	LT	USH 12	MANHOLE	1	1	-	-
	4:59	625+09.73	23.87'	LT	USH 12	MANHOLE	1	1	-	-
	4:58	625+19.89	16.50'	RT	USH 12	MANHOLE	1	1	-	-
	4:64	630+68.75	28.05'	LT	USH 12	MANHOLE	1	1	-	-
	4:66	632+69.27	26.56'	LT	USH 12	MANHOLE	1	1	-	-
	5:21	643+46.81	187.57'	LT	LAKE AVE	MANHOLE	1	1	-	-
	5:16	643+87.66	27.70'	LT	USH 12	MANHOLE	1	1	-	-
	5:17	645+88.15	24.20'	LT	USH 12	MANHOLE	1	1	-	-
	5:18A	648+20.74	39.77'	RT	USH 12	MANHOLE	1	1	-	-
	5:18	648+28.07	23.45'	LT	USH 12	MANHOLE	1	1	-	-
	5:9	649+95.47	39.93'	LT	USH 12	MANHOLE	1	1	-	-
TOTAL CATEGORY 0010, 6145-01-83							25	24	3	2
	5:25A	661+20.90	47.34'	RT	USH 12	MANHOLE	1	1	-	-
	5:25	661+35.15	46.34'	RT	USH 12	MANHOLE	-	1	-	-
	EX 5:25	661+34.36	21.02'	RT	USH 12	MANHOLE	1	-	-	-
	5:58	670+17.33	31.52'	RT	USH 12	MANHOLE	1	1	-	-
	5:77	672+54.03	30.80'	RT	USH 12	MANHOLE	1	1	-	-
	5:28	673+65.55	27.98'	RT	USH 12	MANHOLE	1	1	-	-
	5:28B	673+77.15	49.97'	RT	USH 12	MANHOLE	-	-	1	-
	5:28C	673+94.50	48.28'	RT	USH 12	MANHOLE	-	-	1	-
	6:3	676+19.07	32.63'	RT	USH 12	MANHOLE	1	1	-	-
	6:2	676+50.82	33.30'	RT	USH 12	MANHOLE	-	1	1	-
	6:10	700+01.44	30.22'	RT	USH 12	MANHOLE	1	1	-	-
TOTAL CATEGORY 0010, 6145-01-82							7	8	3	0

SANITARY MANHOLE ADJUST SUMMARY

CATEGORY	NUMBER	STATION	OFFSET DIST.	OFFSET DIR.	LOCATION	STRUCTURE	SPV.0060.025 VLD ADJUST MANHOLE CASTING < 6-INCHES EACH	SPV.0060.026 VLD ADJUST MANHOLE CASTING - 6-INCHES TO 1-FOOT EACH	SPV.0060.027 VLD ADJUST MANHOLE CASTING >1-FOOT EACH	SPV.0060.028 VLD ADJUST AND WATERPROOF MANHOLE CASTING EACH	SPV.0060.029 VLD ADJUST MANHOLE CASTING VIA MR. MANHOLE EACH
0010	3:84	615+10.96	34.41'	RT	USH 12	MANHOLE	-	1	-	-	-
	5:23	653+31.11	45.41'	LT	USH 12	MANHOLE	1	-	-	-	-
	5:80	654+47.28	30.13'	RT	USH 12	MANHOLE	-	1	-	-	-
	5:24	657+91.89	50.01'	LT	USH 12	MANHOLE	1	-	-	-	-
TOTAL CATEGORY 0010, 6145-01-73							2	2	0	0	0
	5:21	643+46.81	187.57'	LT	W. LAKE AVE.	MANHOLE	-	-	-	-	1
	5:7	656+72.00	47.31'	LT	USH 12	MANHOLE	1	-	-	-	-
TOTAL CATEGORY 0010, 6145-01-83							1	0	0	0	1
	5:27	658+02.81	40.33'	RT	USH 12	MANHOLE	-	-	-	1	-
	5:89	659+65.80	63.19'	LT	USH 12	MANHOLE	-	-	-	1	-
	5:54	661+31.98	49.64'	LT	USH 12	MANHOLE	1	-	-	-	-
	5:55	663+78.38	50.33'	LT	USH 12	MANHOLE	1	-	-	-	-
TOTAL CATEGORY 0010, 6145-01-72							2	0	0	2	0
	5:25A	661+20.90	47.34'	RT	USH 12	MANHOLE	-	-	-	-	1
	5:25	661+35.15	46.34'	RT	USH 12	MANHOLE	-	-	-	-	1
	S1	664+47.37'	49.88'	LT	USH 12	MANHOLE	1	-	-	-	-
	5:56	667+04.52	41.47'	LT	USH 12	MANHOLE	1	-	-	-	-
	5:57	670+17.31	41.42'	LT	USH 12	MANHOLE	1	-	-	-	-
	6:4	677+59.29	33.90'	RT	USH 12	MANHOLE	1	-	-	-	-
	6:5	681+01.49	32.49'	RT	USH 12	MANHOLE	-	1	-	-	-
	6:1	684+49.14	33.44'	RT	USH 12	MANHOLE	1	-	-	-	-
	6:6	687+27.06	32.43'	RT	USH 12	MANHOLE	-	-	1	-	-
	6:7	689+88.53	32.50'	RT	USH 12	MANHOLE	1	-	-	-	-
	6:8	693+92.71	31.21'	RT	USH 12	MANHOLE	1	-	-	-	-
	6:9	697+32.61	30.45'	RT	USH 12	MANHOLE	-	1	-	-	-
TOTAL CATEGORY 0010, 6145-01-82							7	2	1	0	2

SANITARY LATERAL SUMMARY

CATEGORY	FROM M.H.	STATION	OFFSET DIST.	OFFSET DIR.	TO M.H.	STATION	OFFSET DIST.	OFFSET DIR.	STREET	SPV.0090.015 VLD 4-INCH PVC SANITARY SEWER LF	SPV.0090.016 VLD 6-INCH PVC SANITARY SEWER LF
0010	3:55	605+37.77	10.73'	RT	N/A	605+37.86	38.03'	RT	USH 12	27	-
	3:68	616+18.95	16.50'	RT	N/A	616+19.44	29.74'	RT	USH 12	13	-
	3:66	618+46.60	39.18'	LT	N/A	618+55.66	45.08'	LT	USH 12	28	7
	3:67	618+48.45	16.50'	RT	N/A	618+48.63	28.18'	RT	USH 12	-	12
	4:52	619+93.31	16.50'	RT	N/A	619+90.38	28.57'	RT	USH 12	-	13
	4:53	620+87.52	16.50'	RT	N/A	620+87.91	29.90'	RT	USH 12	-	12
	4:54	623+19.70	16.50'	RT	N/A	623+19.36	29.00'	RT	USH 12	-	13
	4:55	623+69.17	22.36'	LT	N/A	623+38.13	45.00'	LT	USH 12	-	20
	4:59	625+09.73	23.87'	LT	N/A	625+04.94	44.02'	LT	USH 12	-	18
	5:17	645+88.15	24.20'	LT	N/A	645+66.08	44.50'	LT	USH 12	-	28
	5:21	643+46.81	187.57'	LT	N/A	643+76.69	192.72'	LT	LAKE AVE	-	34
	5:18	648+28.07	23.45'	LT	N/A	648+22.27	45.0'	LT	USH 12	-	22
TOTAL CATEGORY 0010, 6145-01-83										68	179
	5:28B	673+77.15	49.97'	RT	N/A	673+80.40	55.83'	RT	USH 12	-	7
	5:28C	673+94.50	48.28'	RT	N/A	673+98.18	50.82'	RT	USH 12	-	4
TOTAL CATEGORY 0010, 6145-01-82										0	11
GRAND TOTAL										68	190

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SANITARY SEWER APPURTENANCES SUMMARY

CATEGORY	STATION	OFFSET DIST.	OFFSET DIR.	LOCATION	SPV.0035.004 VLD ROCK EXCAVATION CY	SPV.0060.023 VLD CONNECT TO EX. SANITARY SEWER PIPE EACH	SPV.0165.002 VLD RIGID INSULATION, 4-FT X 8-FT X 2-INCH (FOR SANITARY SEWER) SF	SPV.0195.001 VLD IMPORTED GRANULAR BACKFILL (FOR SANITARY SEWER) TON
0010	625+04.94	44.02'	LT	USH 12	-	1	-	-
	633+78.38	39.81'	LT	USH 12	-	1	-	-
	650+34.91	45.00'	LT	USH 12	-	1	-	-
	654+44.01	44.84'	LT	USH 12	-	3	-	-
TOTAL CATEGORY 0010, 6145-01-73					0	6	0	0
	605+37.86	38.03'	RT	USH 12	-	1	-	-
	606+43.90	47.25'	RT	USH 12	-	1	-	-
	608+43.51	46.56'	LT	USH 12	-	1	-	-
	608+62.10	63.44'	RT	USH 12	-	1	-	-
	611+48.00	17.00'	RT	USH 12	-	-	148	-
	612+23.83	35.91'	LT	USH 12	-	1	-	-
	616+19.27	29.74'	RT	USH 12	-	1	-	-
	618+40.24	45.05'	LT	USH 12	-	1	-	-
	618+47.73	45.06'	LT	USH 12	-	1	-	-
	618+48.43	45.06'	LT	USH 12	-	1	-	-
	618+48.62	28.18'	RT	USH 12	-	1	-	-
	618+50.93	45.07'	LT	USH 12	-	1	-	-
	618+55.66	45.08'	LT	USH 12	-	1	-	-
	618+54.60	39.41'	LT	USH 12	-	1	-	-
	619+90.38	28.57'	RT	USH 12	-	1	-	-
	620+87.90	29.49'	RT	USH 12	-	1	-	-
	621+07.45	66.21'	RT	USH 12	-	1	-	-
	623+19.36	29.00'	RT	USH 12	-	1	-	-
	623+68.10	45.00'	LT	USH 12	-	1	-	-
	630+48.86	29.80'	RT	USH 12	-	1	-	-
	630+71.00	43.00'	LT	USH 12	-	1	-	-
	632+68.44	40.83'	LT	USH 12	-	1	-	-
	645+66.08	44.50'	LT	USH 12	-	1	-	-
	643+46.81	187.57'	LT	USH 12	-	1	-	-
	643+76.69	192.72'	LT	USH 12	-	1	-	-
	648+20.74	39.77'	RT	USH 12	-	1	-	-
	648+22.27	45.00'	LT	USH 12	-	1	-	-
	650+39.44	33.24'	RT	USH 12	-	2	-	-
	650+43.02	42.03'	LT	USH 12	-	1	-	-
UNDISTRUBUTED					400	-	-	125
TOTAL CATEGORY 0010, 6145-01-83					400	29	148	125
	661+34.24	18.75'	RT	USH 12	-	1	-	-
	670+17.33	31.52'	RT	USH 12	-	2	-	-
	672+54.03	30.80'	RT	USH 12	-	2	-	-
	673+65.55	27.98'	RT	USH 12	-	3	-	-
	676+50.82	33.30'	RT	USH 12	-	3	-	-
	700+01.44	30.22'	RT	USH 12	-	2	-	-
UNDISTRUBUTED					390	-	-	125
TOTAL CATEGORY 0010, 6145-01-82					390	13	0	125

SANITARY SEWER PIPE SUMMARY

	LOCATION									SPV.0035.005	SPV.0090.017	SPV.0090.018	SPV.0090.025	SPV.0090.027
										VLD ABANDON EX. SANITARY SEWER AND LATERALS	VLD 8-INCH PVC SANITARY SEWER	VLD 10-INCH PVC SANITARY SEWER	VLD EXISTING SANITARY SEWER TELEVISING	VLD REMOVE EX. SANITARY SEWER AND LATERALS
CATEGORY	FROM M.H.	STATION	OFFSET DIST.	OFFSET DIR.	TO M.H.	STATION	OFFSET DIST.	OFFSET DIR.	STREET	CY	LF	LF	LF	LF
0010	4:58	625+19.89	30.50'	RT	4:57	625+25.25	38.36'	RT	USH 12	-	9	-	-	-
	4:63	630+48.86	29.80'	RT	N/A	630+48.86	24.80'	RT	USH 12	-	5	-	-	-
	4:82	632+68.44	40.83'	LT	4:81A	633+78.38	39.81'	LT	USH 12	-	109	-	-	-
	5:9	650+08.02	39.93'	LT	5:78	650+37.02	41.96'	LT	USH 12	-	29	-	-	-
TOTAL CATEGORY 0010, 6145-01-73										0	152	0	0	0
	3:55	605+37.77	10.73'	RT	3:56	606+44.12	11.71'	RT	USH 12	-	106	-	-	106
	3:56	606+44.12	11.71'	RT	3:63	608+61.17	16.06'	RT	USH 12	-	217	-	-	217
	3:56	606+44.12	11.71'	RT	N/A	606+43.81	47.24'	RT	USH 12	-	35	-	-	35
	3:63	608+61.17	16.06'	RT	N/A	608+62.10	63.44'	RT	USH 12	-	47	-	-	47
	3:63	608+61.17	16.06'	RT	3:70	610+25.68	16.40'	RT	USH 12	3	-	-	-	0
	3:63	608+61.17	16.06'	RT	3:90	608+58.96	33.86'	RT	USH 12	-	50	-	-	50
	3:90	608+58.96	33.86'	LT	N/A	608+43.45	46.49'	LT	USH 12	-	-	21	-	21
	3:90	608+58.96	33.86'	LT	3:72	610+26.56	29.05'	LT	USH 12	-	-	168	-	168
	EX 3:90	608+82.68	38.17'	LT	N/A	608+43.10	60.82'	LT	USH 12	-	-	-	-	46
	3:72	610+26.56	29.05'	LT	3:70	610+25.68	16.40'	RT	USH 12	-	-	45	-	45
	3:70	610+25.68	16.40'	RT	3:71	610+24.80	78.24'	RT	USH 12	-	62	-	-	62
	3:70	610+25.68	16.40'	RT	3:69A	613+49.52	16.50'	RT	USH 12	-	324	-	-	324
	N/A	612+22.81	17.09'	RT	N/A	612+23.83	35.91'	LT	USH 12	-	53	-	-	53
	3:69A	613+49.52	16.50'	RT	3:68A	615+03.72	16.50'	RT	USH 12	-	154	-	-	-
	3:69A	613+49.52	16.50'	RT	N/A	618+48.22	9.53'	RT	USH 12	7	-	-	-	-
	3:68A	615+03.72	16.50'	RT	3:68	616+18.95	16.50'	RT	USH 12	-	116	-	-	-
	3:68	616+18.95	16.50'	RT	3:67	618+48.45	16.50'	RT	USH 12	-	230	-	-	-
	3:67	618+48.45	16.50'	RT	3:66	618+46.60	39.18'	LT	USH 12	-	56	-	-	-
	3:66	618+46.60	39.18'	LT	N/A	618+40.24	45.05'	LT	USH 12	-	6	-	-	6
	4:52	619+93.31	16.50'	RT	4:53	620+87.52	16.50'	RT	USH 12	-	94	-	-	-
	N/A	619+94.94	9.94'	RT	N/A	625+18.39	10.73'	RT	USH 12	7	-	-	-	-
	4:53	620+87.52	16.50'	RT	4:90	621+07.69	42.28'	LT	USH 12	-	62	-	-	-
	4:53	620+87.52	16.50'	RT	4:54	623+19.70	16.50'	RT	USH 12	-	233	-	-	-
	4:90	621+07.69	42.28'	LT	N/A	621+07.45	66.21'	LT	USH 12	-	-	22	-	-
	4:54	623+19.70	16.50'	RT	4:58	625+19.89	16.50'	RT	USH 12	-	200	-	-	-
	4:55	623+69.17	22.36'	LT	4:59	625+09.73	23.87'	LT	USH 12	-	141	-	-	141
	4:59	625+09.73	23.87'	LT	4:58	625+19.89	16.50'	RT	USH 12	-	42	-	-	42
	4:58	625+19.89	16.50'	RT	4:57	625+25.25	30.50'	RT	USH 12	-	14	-	-	23
	4:63	630+48.86	24.80'	RT	4:64	630+68.75	28.05'	LT	USH 12	-	56	-	-	61
SUBTOTAL CATEGORY 0010, 6145-01-83										17	2298	256	0	1447

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SANITARY SEWER PIPE SUMMARY

CATEGORY	FROM M.H.	LOCATION STATION	OFFSET DIST.	OFFSET DIR.	TO M.H.	STATION	OFFSET DIST.	OFFSET DIR.	STREET	SPV.0035.005 VLD ABANDON EX. SANITARY SEWER AND LATERALS CY	SPV.0090.017 VLD 8-INCH PVC SANITARY SEWER LF	SPV.0090.018 VLD 10-INCH PVC SANITARY SEWER LF	SPV.0090.025 VLD EXISTING SANITARY SEWER TELEVISING LF	SPV.0090.027 VLD REMOVE EX. SANITARY SEWER AND LATERALS LF
0010	4:64	630+68.75	28.05'	LT	N/A	630+71.00	43.00'	LT	USH 12	-	15	-	-	15
	4:64	630+68.75	28.05'	LT	4:66	632+69.27	26.56'	LT	USH 12	-	201	-	-	201
	4:66	632+69.27	26.56'	LT	4:82	632+68.44	40.83'	LT	USH 12	-	14	-	-	14
	4:82	632+68.44	40.83'	LT	4:81A	633+78.38	39.81'	LT	USH 12	-	-	-	-	109
	5:16	643+87.66	27.70'	LT	5:21	643+46.81	187.57'	LT	USH 12	-	166	-	-	166
	5:16	643+87.66	27.70'	LT	5:17	645+88.15	24.20'	LT	USH 12	-	204	-	-	204
	5:17	645+88.15	24.20'	LT	5:18	648+28.07	23.45'	LT	USH 12	-	241	-	-	241
	5:18	648+28.07	23.45'	LT	5:18A	648+20.74	39.77'	RT	USH 12	-	64	-	-	-
	5:18	648+28.07	23.45'	LT	N/A	649+92.24	37.44'	LT	USH 12	3	-	-	-	-
	5:18	648+28.07	23.45'	LT	5:9	649+95.47	39.93'	LT	USH 12	-	168	-	-	-
	5:9	649+95.47	39.93'	LT	N/A	649+89.11	45.00'	LT	USH 12	-	-	14	-	14
	5:9	649+95.47	39.93'	LT	5:78	650+08.02	41.96'	LT	USH 12	-	14	-	-	43
	5:78	650+37.02	41.96'	LT	5:59	650+39.44	33.24'	RT	USH 12	-	75	-	-	75
	5:78	650+37.02	41.96'	LT	5:23	653+31.11	45.41'	LT	USH 12	-	-	-	294	-
	5:22	653+02.37	29.68	RT	5:80	654+47.28	30.13'	RT	USH 12	-	-	-	145	-
	5:23	653+31.11	45.41'	LT	5:79	654+44.01	44.84'	LT	USH 12	-	-	-	113	-
	5:79	654+44.01	44.84'	LT	5:80	654+47.28	30.13'	RT	USH 12	-	-	-	75	-
	5:79	654+44.01	44.84'	LT	5:7	656+72.00	47.31'	LT	USH 12	-	-	-	222	-
	5:7	656+72.00	47.31'	LT	5:24	657+91.89	50.01'	LT	USH 12	-	-	-	120	-
SUBTOTAL CATEGORY 0010, 6145-01-83										3	1162	14	969	1082
TOTAL CATEGORY 0010, 6145-01-83										20	3460	270	969	2529
	5:24	657+91.89	50.01'	LT	5:27	658+02.81	40.33'	RT	USH 12	-	-	-	92	-
	5:24	657+91.89	50.01'	LT	5:89	659+65.80	63.19'	LT	USH 12	-	-	-	167	-
	5:27	658+02.81	40.33'	RT	5:26A	658+25.87	45.18'	RT	USH 12	-	-	-	24	-
	5:25A	661+20.90	47.34'	RT	5:25	661+35.15	46.34'	RT	USH 12	-	14	-	-	14
	5:54	661+31.98	49.64'	LT	EX 5:25	661+34.36	21.02'	RT	USH 12	-	-	-	71	-
	5:54	661+31.98	49.64'	LT	5:55	663+78.38	50.33'	LT	USH 12	-	-	-	246	-
	5:25	661+35.15	46.34'	RT	EX 5:25	661+34.36	21.02'	RT	USH 12	-	28	-	-	28
	5:55	663+78.38	50.33'	LT	S1	664+47.37'	49.88'	LT	USH 12	-	-	-	69	-
	S1	664+47.37'	49.88'	LT	5:56	667+04.52	41.47'	LT	USH 12	-	-	-	257	-
	5:56	667+04.52	41.47'	LT	5:57	670+17.31	41.42'	LT	USH 12	-	-	-	314	-
	5:57	670+17.31	41.42'	LT	5:58	670+17.33	31.52'	RT	USH 12	-	-	-	73	-
	5:28	673+65.55	27.98'	RT	5:28B	673+77.15	49.97'	RT	USH 12	-	25	-	-	-
	5:28B	673+77.15	49.97'	RT	5:28C	673+94.50	48.28'	RT	USH 12	-	17	-	-	-
TOTAL CATEGORY 0010, 6145-01-82										0	84	0	1313	42
GRAND TOTAL										20	3696	270	2282	2571

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WATER HYDRANT SUMMARY

CATEGORY	STATION	OFFSET DIST.	OFFSET DIR.	STREET	SPV.0060.031 VLD HYDRANT, COMPLETE EACH
0020	621+02.82	38.90'	RT	USH 12	1
	624+10.13	47.74'	LT	USH 12	1
	627+30.99	33.00'	RT	USH 12	1
	634+82.51	46.25'	RT	USH 12	1
	637+27.03	71.26'	LT	USH 12	1
	647+37.99	26.00'	RT	USH 12	1
	652+86.51	36.37'	RT	USH 12	1
TOTAL CATEGORY 0020, 6145-01-73					7
	608+16.00	40.00'	RT	USH 12	1
	612+29.94	35.18	LT	USH 12	1
	614+80.00	26.00'	RT	USH 12	1
	617+67.74	73.08'	LT	USH 12	1
	630+56.68	43.98'	LT	USH 12	1
	639+72.45	46.50'	LT	USH 12	1
	643+83.38	124.22'	LT	USH 12	1
	656+03.06	59.44'	LT	USH 12	1
TOTAL CATEGORY 0020, 6145-01-83					8
	661+51.83	53.12'	LT	USH 12	1
TOTAL CATEGORY 0020, 6145-01-72					1
	662+07.26	34.99'	RT	USH 12	1
	667+18.09	53.28'	LT	USH 12	1
	669+32.45	35.99'	RT	USH 12	1
	672+13.19	35.87'	RT	USH 12	1
	675+70.23	38.54'	LT	USH 12	1
	677+78.44	38.73'	RT	USH 12	1
	680+46.93	56.75'	LT	USH 12	1
	682+71.04	26.08'	RT	USH 12	1
	687+38.28	36.82'	RT	USH 12	1
	690+76.28	53.14'	LT	USH 12	1
	692+86.26	25.99'	RT	USH 12	1
	695+83.62	44.11'	RT	USH 12	1
	700+18.84	39.47'	RT	USH 12	1
TOTAL CATEGORY 0020, 6145-01-82					13
GRAND TOTAL					29

WATER VALVE SUMMARY

CATEGORY	STATION	OFFSET DIST.	OFFSET DIR.	STREET	SPV.0060.042 VLD 4-INCH VALVE AND BOX, DUCTILE IRON EACH	SPV.0060.043 VLD 6-INCH VALVE AND BOX, DUCTILE IRON EACH	SPV.0060.044 VLD 8-INCH VALVE AND BOX, DUCTILE IRON EACH	SPV.0060.045 VLD 12-INCH VALVE AND BOX, DUCTILE IRON EACH
0020	620+99.37	29.40'	RT	USH 12	-	1	-	-
	627+35.00	25.37'	RT	USH 12	-	1	-	-
	637+32.99	71.17'	LT	USH 12	-	1	-	-
	653+02.71	25.86'	RT	USH 12	-	1	-	-
TOTAL CATEGORY 0020, 6145-01-73					0	4	0	0
	614+88.04	25..90'	RT	USH 12	-	1	-	-
	617+80.84	66.30'	LT	USH 12	-	1	-	-
	635+12.14	27.74'	LT	USH 12	-	-	1	-
	639+72.33	24.03'	LT	USH 12	-	1	-	-
	649+79.29	25.22'	LT	USH 12	-	-	1	-
TOTAL CATEGORY 0020, 6145-01-83					0	3	2	0
	672+16.97	36.01'	RT	USH 12	-	1	-	-
	675+66.27	38.36'	LT	USH 12	-	1	-	-
	677+83.12	33.85'	RT	USH 12	-	1	-	-
	680+46.75	41.75'	LT	USH 12	-	1	-	-
	687+68.89	58.83'	LT	USH 12	-	-	1	-
	690+25.92	28.37'	LT	USH 12	1	-	-	-
	690+76.03	43.64'	LT	USH 12	-	1	-	-
	690+78.89	39.09'	LT	USH 12	-	-	-	1
	695+83.67	40.70'	RT	USH 12	-	1	-	-
	700+18.50	34.92'	RT	USH 12	-	1	-	-
TOTAL CATEGORY 0020, 6145-01-82					1	7	1	1

WATER APPURTENANCES SUMMARY

CATEGORY	STATION	OFFSET DIST.	OFFSET DIR.	STREET	SPV.0060.053 VLD CONNECT TO EX. WATERMAIN EACH	SPV.0060.058 VLD 12-INCH X 6-INCH TAPPING SLEEVE, LIVE TAP EACH	SPV.0060.063 VLD 8-INCH X 6-INCH TEE EACH	SPV.0060.064 VLD 6-INCH X 6-INCH TEE EACH	SPV.0060.065 VLD 12-INCH X 6-INCH REDUCER EACH	SPV.0060.066 VLD 8-INCH PLUG EACH	SPV.0060.068 VLD 12-INCH X 6-INCH TEE EACH	SPV.0060.069 VLD 12-INCH X 4-INCH TEE EACH	SPV.0060.070 VLD 12-INCH X 8-INCH TEE EACH
0020	620+99.37	38.90'	RT	USH 12	1	-	-	-	-	-	-	-	-
	624+10.16	47.74'	LT	USH 12	1	-	-	-	-	-	-	-	-
	627+35.00	25.37'	RT	USH 12	1	-	-	-	-	-	-	-	-
	634+93.18	30.39'	RT	USH 12	1	-	-	-	-	-	-	-	-
	637+36.99	71.10'	LT	USH 12	1	-	1	-	-	-	-	-	-
	647+42.95	28.41'	RT	USH 12	1	-	-	-	-	-	-	-	-
	653+07.21	25.68'	RT	USH 12	1	-	1	-	-	-	-	-	-
TOTAL CATEGORY 0020, 6145-01-73					7	0	2	0	0	0	0	0	0
	608+25.10	35.93'	RT	USH 12	1	-	-	-	-	-	-	-	-
	612+09.87	22.60'	LT	USH 12	1	-	-	-	-	-	-	-	-
	614+90.46	8.06'	LT	USH 12	1	-	-	-	-	-	-	-	-
	614+90.87	25.87'	RT	USH 12	-	-	1	-	-	-	-	-	-
	614+90.95	32.01'	RT	USH 12	-	-	-	-	-	1	-	-	-
	617+84.53	62.93'	LT	USH 12	-	-	-	-	1	-	-	-	-
	630+56.68	43.98'	LT	USH 12	1	-	-	-	-	-	-	-	-
	635+12.14	27.74'	LT	USH 12	1	-	-	-	-	-	-	-	-
	639+72.32	21.56'	LT	USH 12	-	1	-	-	-	-	-	-	-
	643+83.38	124.22'	LT	USH 12	1	-	-	-	-	-	-	-	-
	649+79.32	16.66'	LT	USH 12	1	-	-	-	-	-	-	-	-
	649+82.12	75.86'	LT	USH 12	1	-	-	-	-	-	-	-	-
	656+19.43	47.04'	LT	USH 12	1	-	-	-	-	-	-	-	-
TOTAL CATEGORY 0020, 6145-01-83					9	1	1	0	1	1	0	0	0
	661+64.99	35.76'	LT	USH 12	1	-	-	-	-	-	-	-	-
	662+01.34	20.06'	RT	USH 12	1	-	-	-	-	-	-	-	-
	666+89.53	44.91'	LT	USH 12	1	-	-	-	-	-	-	-	-
	669+33.56	29.70'	RT	USH 12	1	-	-	-	-	-	-	-	-
	672+19.37	36.01'	RT	USH 12	-	-	-	1	-	-	-	-	-
	672+21.10	42.37'	RT	USH 12	1	-	-	-	-	-	-	-	-
	672+21.81	23.05'	RT	USH 12	1	-	-	-	-	-	-	-	-
	675+63.10	43.22'	LT	USH 12	-	1	-	-	-	-	-	-	-
	677+87.37	31.70'	RT	USH 12	1	-	-	-	-	-	-	-	-
	680+46.71	38.75'	LT	USH 12	-	1	-	-	-	-	-	-	-
	682+52.99	30.02'	RT	USH 12	1	-	-	-	-	-	-	-	-
	687+32.25	41.59'	LT	USH 12	1	-	-	-	-	-	-	-	-
	687+48.37	29.20'	RT	USH 12	1	-	-	-	-	-	-	-	-
	687+57.00	42.73'	LT	USH 12	1	-	-	-	-	-	-	-	-
	687+65.48	32.67'	LT	USH 12	1	-	-	-	-	-	-	-	1
	690+25.91	25.19'	LT	USH 12	-	-	-	-	-	-	-	1	-
	690+75.92	39.14'	LT	USH 12	-	-	-	-	-	-	1	-	-
	690+78.89	39.09'	LT	USH 12	1	-	-	-	-	-	-	-	-
	692+90.02	28.46'	RT	USH 12	1	-	-	-	-	-	-	-	-
	695+83.67	37.32'	RT	USH 12	1	-	-	-	-	-	-	-	-
	699+97.22	38.50'	RT	USH 12	-	-	-	-	1	-	-	-	-
TOTAL CATEGORY 0020, 6145-01-82					15	2	0	1	1	0	1	1	1

3

WATER REMOVE SUMMARY

CATEGORY	STATION	OFFSET DIST.	OFFSET DIR.	STREET	SPV.0060.019 VLD REMOVE EXISTING WATER MANHOLE AND VALVE EACH	SPV.0060.032 VLD REMOVE & SALVAGE EXISTING HYDRANT EACH	SPV.0060.033 VLD REMOVE & SALVAGE EXISTING VALVE AND BOX EACH
0020	608+16.00	40.00'	RT	USH 12	-	1	-
	612+09.50	33.47'	LT	USH 12	-	1	-
	614+85.80	32.07'	RT	USH 12	-	1	1
	617+76.96	46.25'	LT	USH 12	-	1	1
	621+02.82	38.90'	RT	USH 12	-	1	-
	624+10.16	39.74'	LT	USH 12	-	1	-
	627+30.99	33.00'	RT	USH 12	-	1	-
	630+56.68	43.98'	LT	USH 12	-	1	-
	634+82.51	46.25'	RT	USH 12	-	1	-
	635+12.14	27.74'	LT	USH 12	-	-	1
	640+25.49	40.34'	LT	USH 12	-	1	1
	647+42.95	28.41'	RT	USH 12	-	1	-
	643+83.38	124.22'	LT	USH 12	-	1	-
	650+00.81	22.73'	LT	USH 12	-	-	1
	652+88.51	29.31'	RT	USH 12	-	1	1
	656+18.80	57.73'	LT	USH 12	-	1	-
TOTAL CATEGORY 0020, 6145-01-83					0	14	6
	661+65.64	51.46'	LT	USH 12	-	1	-
	662+01.34	20.06'	RT	USH 12	-	1	-
	666+89.53	44.91'	LT	USH 12	-	1	-
	669+33.56	29.70'	RT	USH 12	-	1	-
	672+80.03	39.25'	LT	USH 12	-	-	1
	674+56.27	46.38'	LT	USH 12	-	1	1
	677+82.44	28.03'	RT	USH 12	-	1	1
	680+23.18	45.41'	LT	USH 12	-	1	1
	681+91.72	41.02	LT	USH 12	-	-	1
	682+52.99	30.02'	RT	USH 12	-	1	-
	685+17.71	44.05'	LT	USH 12	-	1	1
	687+48.37	29.20'	RT	USH 12	-	1	-
	687+66.81	46.10'	LT	USH 12	-	-	1
	689+47.75	41.34'	LT	USH 12	-	-	1
	690+00.28	46.15'	LT	USH 12	-	1	1
	690+05.73	41.04'	LT	USH 12	-	-	1
	692+90.02	28.46'	RT	USH 12	-	1	-
	695+83.62	44.11'	RT	USH 12	-	1	1
	700+18.82	33.16'	RT	USH 12	-	1	1
	700+21.66	38.20'	RT	USH 12	1	-	-
TOTAL CATEGORY 0020, 6145-01-82					1	14	12
GRAND TOTAL					1	28	18

WATER GENERAL SUMMARY

CATEGORY	STATION	OFFSET DIST.	OFFSET DIR.	STREET	SPV.0060.055 VLD EXPLORATORY EXCAVATION EACH	SPV.0060.067 VLD 4-FOOT BOLLARD, 6-INCH DIAMETER WITH CONCRETE BASE EACH	SPV.0165.001 VLD RIGID INSULATION, 4-FT X 8-FT X 2-INCH (FOR WATER MAIN) SF	SPV.0195.002 VLD IMPORTED GRANULAR BACKFILL (FOR WATERMAIN) TON
0020	621+00.19	40.94'	RT	USH 12	-	1	-	-
	621+05.59	40.80'	RT	USH 12	-	1	-	-
TOTAL CATEGORY 0020, 6145-01-73					0	2	0	0
	614+90.60	3.40'	RT	USH 12	-	-	60	-
	614+90.95	32.01'	RT	USH 12	-	-	32	-
	617+22.57	15.50'	RT	USH 12	-	-	32	-
	618+47.10	24.05'	LT	USH 12	-	-	32	-
	621+01.09	53.04'	LT	USH 12	-	-	32	-
	624+10.09	22.80'	LT	USH 12	-	-	32	-
	635+12.31	5.52'	RT	USH 12	1	-	32	-
	650+37.71	20.55'	LT	USH 12	1	-	32	-
	650+38.42	4.50'	RT	USH 12	-	-	32	-
	653+07.28	27.50'	RT	USH 12	1	-	-	-
UNDISTRIBUTED					-	-	-	75
TOTAL CATEGORY 0020, 6145-01-83					3	0	316	75
	665+16.61	1.35'	RT	USH 12	1	-	32	-
	673+66.95	32.50'	RT	USH 12	1	-	-	-
	687+71.00	43.77'	LT	USH 12	-	-	100	-
UNDISTRIBUTED					-	-	-	25
TOTAL CATEGORY 0020, 6145-01-82					2	0	132	25
GRAND TOTAL					5	2	448	100

WATER ABANDON SUMMARY

CATEGORY	STATION	OFFSET DIST.	OFFSET DIR.	STREET	SPV.0060.054 VLD ABANDON EX. WATER SERVICE AT MAIN & PLUG EACH	SPV.0060.056 VLD ABANDON EX. HYDRANT LEAD AT TEE & PLUG EACH	SPV.0060.057 VLD ABANDON EX. CORP. VALVE AT MAIN, AND CURB STOP & BOX EACH	COMMENTS
0020	606+57.66	26.17'	RT	USH 12	-	-	1	VERIFY LOCATION
	614+85.80	32.07'	RT	USH 12	-	1	-	
	617+18.53	23.09'	LT	USH 12	-	-	1	VERIFY LOCATION
	617+76.96	46.25'	LT	USH 12	-	1	-	
	622+31.55	25.17'	RT	USH 12	-	-	1	VERIFY LOCATION
	625+17.63	14.55'	LT	USH 12	-	-	1	VERIFY LOCATION
	640+25.49	40.34'	LT	USH 12	-	1	-	
	644+85.63	17.81'	LT	USH 12	-	-	1	VERIFY LOCATION
	652+88.51	29.31'	RT	USH 12	-	1	-	
TOTAL CATEGORY 0020, 6145-01-83					0	4	5	
	665+16.63	1.40'	RT	USH 12	1	-	-	
	668+00.88	23.92'	LT	USH 12	-	-	1	
	674+56.27	46.38'	LT	USH 12	-	1	-	
	680+23.18	45.41'	LT	USH 12	-	1	-	
	681+91.72	41.02	LT	USH 12	1	-	-	
	685+17.71	44.05'	LT	USH 12	-	1	-	
	690+00.28	46.15'	LT	USH 12	-	1	-	
	700+18.82	33.16'	RT	USH 12	-	1	-	
TOTAL CATEGORY 0020, 6145-01-82					2	5	1	
GRAND TOTAL					2	9	6	

3

WATER ADJUST SUMMARY

CATEGORY	STATION	OFFSET DIST.	OFFSET DIR.	STREET	SPV.0060.035 VLD ADJUST EX. HYDRANT EACH	SPV.0060.036 VLD ADJUST EX. WATER VALVE < 6-INCHES EACH	SPV.0060.037 VLD ADJUST EX. WATER VALVE - 6-INCHES TO 1-FOOT EACH	SPV.0060.038 WATER VALVE > 1-FOOT EACH
0020	647+44.84	29.88'	RT	USH 12	-	1	-	-
	647+47.13	34.14'	RT	USH 12	-	1	-	-
	653+07.74	38.99'	RT	USH 12	-	1	-	-
	653+11.42	34.91'	RT	USH 12	-	1	-	-
TOTAL CATEGORY 0020, 6145-01-73					0	4	0	0
	608+36.04	17.18'	RT	USH 12	-	1	-	-
	608+39.38	14.49'	RT	USH 12	-	1	-	-
	608+39.82	35.24'	RT	USH 12	-	1	-	-
	608+42.01	41.39'	RT	USH 12	-	1	-	-
	612+06.67	15.93'	LT	USH 12	-	1	-	-
	612+10.01	18.60'	LT	USH 12	-	1	-	-
	614+90.35	17.20'	LT	USH 12	-	1	-	-
	617+81.14	23.44'	LT	USH 12	-	1	-	-
	617+84.86	27.02'	LT	USH 12	-	1	-	-
	620+94.69	18.70'	LT	USH 12	-	1	-	-
	620+94.78	27.07'	LT	USH 12	-	1	-	-
	620+96.59	34.63'	RT	USH 12	-	-	1	-
	624+06.82	16.14'	LT	USH 12	-	1	-	-
	624+10.06	18.41'	LT	USH 12	-	-	1	-
	625+30.90	22.92'	LT	USH 12	-	1	-	-
	627+40.29	23.21'	LT	USH 12	-	1	-	-
	630+30.78	25.26'	LT	USH 12	-	1	-	-
	630+38.93	28.00'	LT	USH 12	-	1	-	-
	632+81.72	25.62	LT	USH 12	-	1	-	-
	634+97.18	30.40'	RT	USH 12	-	1	-	-
	637+22.22	22.80'	LT	USH 12	-	1	-	-
	637+33.00	25.36'	LT	USH 12	-	1	-	-
	640+11.85	24.33'	LT	USH 12	-	1	-	-
	640+17.89	21.30'	LT	USH 12	-	1	-	-
	640+96.05	18.69'	LT	USH 12	-	1	-	-
	642+41.99	25.12'	LT	USH 12	-	1	-	-
	642+49.26	22.42'	LT	USH 12	-	1	-	-
	643+76.82	28.61'	LT	USH 12	-	1	-	-
	643+80.71	18.99'	LT	USH 12	-	1	-	-
	643+83.74	25.47'	LT	USH 12	-	1	-	-
	645+35.48	29.45'	RT	USH 12	-	1	-	-
	646+12.97	21.27'	LT	USH 12	-	1	-	-
UNDISTRIBUTED					-	-	-	-
SUBTOTAL CATEGORY 0020, 6145-01-83					0	30	2	0

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WATER ADJUST SUMMARY

CATEGORY	STATION	OFFSET DIST.	OFFSET DIR.	STREET	SPV.0060.035 VLD ADJUST EX. HYDRANT EACH	SPV.0060.036 VLD ADJUST EX. WATER VALVE < 6-INCHES EACH	SPV.0060.037 VLD ADJUST EX. WATER VALVE - 6-INCHES TO 1-FOOT EACH	SPV.0060.038 WATER VALVE > 1-FOOT EACH
0020	647+46.11	14.98'	LT	USH 12	-	1	-	-
	643+24.27	181.17'	LT	USH 12	-	1	-	-
	643+83.38	124.22'	LT	USH 12	-	1	-	-
	648+84.46	17.08'	LT	USH 12	-	1	-	-
	650+04.40	20.81'	LT	USH 12	-	1	-	-
	650+98.65	23.06'	LT	USH 12	-	1	-	-
	653+05.63	16.87	RT	USH 12	-	1	-	-
	653+33.62	23.32'	LT	USH 12	-	1	-	-
	653+71.03	23.72'	LT	USH 12	-	1	-	-
	656+20.63	26.80'	LT	USH 12	-	1	-	-
	656+79.67	28.56'	LT	USH 12	-	1	-	-
	656+87.08	26.14'	LT	USH 12	-	1	-	-
SUBTOTAL CATEGORY 0020, 6145-01-83					0	12	0	0
TOTAL CATEGORY 0020, 6145-01-83					0	42	2	0
	657+86.88	25.01'	LT	USH 12	-	1	-	-
	659+22.19	31.31'	LT	USH 12	-	1	-	-
	661+64.99	35.76'	LT	USH 12	-	1	-	-
	661+65.64	51.46'	LT	USH 12	-	-	-	-
	661+90.45	26.23'	RT	USH 12	-	1	-	-
	661+90.57	28.57'	LT	USH 12	-	1	-	-
	661+94.73	20.63'	RT	USH 12	-	1	-	-
	662+09.49	33.95'	LT	USH 12	-	1	-	-
	662+11.93	30.13'	LT	USH 12	-	1	-	-
	663+51.78	31.84'	LT	USH 12	-	1	-	-
	664+04.51	65.16'	LT	USH 12	1	-	-	-
	664+55.78	66.00'	LT	USH 12	-	-	1	-
	664+56.91	29.92'	LT	USH 12	-	1	-	-
	664+60.04	70.40'	LT	USH 12	-	-	1	-
	664+60.64	34.26'	LT	USH 12	-	1	-	-
UNDISTRIBUTED					-	-	-	-
SUBTOTAL CATEGORY 0020, 6145-01-82					1	11	2	0

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WATER ADJUST SUMMARY

CATEGORY	STATION	OFFSET DIST.	OFFSET DIR.	STREET	SPV.0060.035 VLD ADJUST EX. HYDRANT EACH	SPV.0060.036 VLD ADJUST EX. WATER VALVE < 6-INCHES EACH	SPV.0060.037 VLD ADJUST EX. WATER VALVE - 6-INCHES TO 1-FOOT EACH	SPV.0060.038 WATER VALVE > 1-FOOT EACH
0020	664+64.17	30.02'	LT	USH 12	-	1	-	-
	665+16.89	26.48'	LT	USH 12	-	1	-	-
	666+88.02	26.82'	LT	USH 12	-	1	-	-
	669+35.00	30.26'	RT	USH 12	-	-	1	-
	669+37.79	33.79'	RT	USH 12	-	-	-	1
	669+39.52	18.67'	LT	USH 12	-	1	-	-
	669+44.90	19.10'	LT	USH 12	-	1	-	-
	669+50.74	21.53'	LT	USH 12	-	1	-	-
	670+63.12	23.27'	LT	USH 12	-	1	-	-
	672+21.10	42.37'	RT	USH 12	-	-	-	1
	674+50.20	42.88'	LT	USH 12	-	1	-	-
	674+62.46	40.21'	LT	USH 12	-	1	-	-
	677+87.88	37.70'	LT	USH 12	-	1	-	-
	678+23.61	44.99'	LT	USH 12	-	-	1	-
	680+27.06	40.82'	LT	USH 12	-	1	-	-
	680+30.80	39.03'	LT	USH 12	-	1	-	-
	682+49.66	30.86'	RT	USH 12	-	1	-	-
	684+91.23	36.50'	LT	USH 12	-	1	-	-
	684+94.95	39.02'	LT	USH 12	-	1	-	-
	687+51.36	30.87'	RT	USH 12	-	-	1	-
	687+55.38	39.54'	LT	USH 12	-	1	-	-
	692+92.47	29.38'	RT	USH 12	-	1	-	-
	692+93.28	38.92'	LT	USH 12	-	1	-	-
	692+98.78'	41.76'	LT	USH 12	-	1	-	-
	695+67.74	41.76'	LT	USH 12	-	1	-	-
	695+72.86	37.23'	LT	USH 12	-	1	-	-
	695+75.71	40.44'	LT	USH 12	-	1	-	-
	699+27.30	39.16'	RT	USH 12	-	1	-	-
	699+84.64	39.53'	RT	USH 12	-	1	-	-
UNDISTRIBUTED					-	-	-	-
SUBTOTAL CATEGORY 0020, 6145-01-82					0	24	3	2
TOTAL CATEGORY 0020, 6145-01-82					1	35	5	2
GRAND TOTAL					1	81	7	2

WATER BEND SUMMARY

CATEGORY	STATION	OFFSET DIST.	OFFSET DIR.	STREET	SPV.0060.046 VLD 45-DEGREE, 4-INCH BEND, DUCTILE IRON EACH	SPV.0060.047 VLD 22.5 DEGREE, 6-INCH BEND, DUCTILE IRON EACH	SPV.0060.048 VLD 45-DEGREE, 6-INCH BEND, DUCTILE IRON EACH	SPV.0060.049 VLD 90-DEGREE, 6-INCH BEND, DUCTILE IRON EACH	SPV.0060.050 VLD 22.5-DEGREE, 8-INCH BEND, DUCTILE IRON EACH	SPV.0060.051 VLD 45-DEGREE, 8-INCH BEND, DUCTILE IRON EACH	SPV.0060.052 VLD 45-DEGREE, 12-INCH BEND, DUCTILE IRON EACH
0020	620+99.37	29.40'	RT	USH 12	-	-	1	-	-	-	-
	621+02.55	31.40'	RT	USH 12	-	-	1	-	-	-	-
	627+30.99	25.50'	RT	USH 12	-	-	-	1	-	-	-
	634+86.13	37.43'	RT	USH 12	-	1	-	-	-	-	-
	634+93.18	30.39'	RT	USH 12	-	-	1	-	-	-	-
	652+94.24	26.24'	RT	USH 12	-	-	1	-	-	-	-
TOTAL CATEGORY 0020, 6145-01-73					0	1	4	1	0	0	0
	608+19.46	36.20'	RT	USH 12	-	-	1	-	-	-	-
	612+09.89	22.00'	LT	USH 12	-	-	-	1	-	-	-
	612+18.05	22.85'	LT	USH 12	-	-	1	-	-	-	-
	614+90.51	3.75'	RT	USH 12	-	-	-	-	-	4	-
	617+77.14	69.67'	LT	USH 12	-	1	-	-	-	-	-
	617+84.53	62.93'	LT	USH 12	-	-	1	-	-	-	-
	649+82.12	75.86'	LT	USH 12	-	-	-	-	1	-	-
	656+19.43	47.04'	LT	USH 12	-	-	1	-	-	-	-
TOTAL CATEGORY 0020, 6145-01-83					0	1	4	1	1	4	0
	661+64.99	35.76'	LT	USH 12	-	-	1	-	-	-	-
	662+01.34	20.06'	RT	USH 12	-	-	1	-	-	-	-
	662+07.09	25.74'	RT	USH 12	-	-	1	-	-	-	-
	666+89.87	48.90'	LT	USH 12	-	-	1	-	-	-	-
	666+95.59	53.69'	LT	USH 12	-	-	1	-	-	-	-
	669+30.50	29.43'	RT	USH 12	-	-	-	2	-	-	-
	672+19.63	28.92'	RT	USH 12	-	-	1	-	-	-	-
	672+19.26	39.10'	RT	USH 12	-	-	1	-	-	-	-
	672+21.10	42.37'	RT	USH 12	-	-	1	-	-	-	-
	672+21.67	27.05'	RT	USH 12	-	-	1	-	-	-	-
	675+63.31	38.23'	LT	USH 12	-	-	-	1	-	-	-
	677+85.21	31.68'	RT	USH 12	-	-	1	-	-	-	-
	682+67.86	27.48'	RT	USH 12	-	1	-	-	-	-	-
	687+45.84	29.13'	RT	USH 12	-	-	1	-	-	-	-
	687+57.00	41.79'	LT	USH 12	-	-	-	-	-	-	1
	687+68.83	56.26	LT	USH 12	-	-	-	-	-	-	1
	6+87+69.89	42.41'	LT	USH 12	-	-	-	-	-	4	-
	687+73.57	25.20'	LT	USH 12	-	-	-	-	-	-	1
	690+25.93	48.77'	LT	USH 12	1	-	-	-	-	-	-
	690+59.69	25.20'	LT	USH 12	-	-	-	-	-	-	1
	690+72.95	39.20'	LT	USH 12	-	-	-	-	-	-	1
	692+90.02	28.46'	RT	USH 12	-	-	1	-	-	-	-
	700+04.42	38.50'	RT	USH 12	-	-	1	-	-	-	-
	700+15.19	29.47	RT	USH 12	-	-	1	-	-	-	-
	700+18.78	29.47'	RT	USH 12	-	-	-	1	-	-	-
TOTAL CATEGORY 0020, 6145-01-82					1	1	14	4	0	4	5
GRAND TOTAL					1	3	22	6	1	8	5

WATER MAIN PIPE SUMMARY

CATEGORY	STATION	OFFSET DIST.	OFFSET DIR.	TO STATION	OFFSET DIST.	OFFSET DIR.	LOCATION	SPV.0090.019 VLD 4-INCH DI WATERMAIN LF	SPV.0090.020 VLD 6-INCH DI WATERMAIN LF	SPV.0090.021 VLD 8-INCH DI WATERMAIN LF	SPV.0090.022 VLD 12-INCH DI WATERMAIN LF	SPV.0090.026 VLD REMOVE EXISTING WATERMAIN LF
0020	621+02.82	33.90'	RT	621+02.82	38.90'	RT	USH 12	-	5	-	-	-
	624+10.16	46.74'	LT	624+10.13	47.74'	LT	USH 12	-	1	-	-	-
	627+30.99	33.00'	RT	627+35.00	25.37'	RT	USH 12	-	7	-	-	-
	634+82.51	46.25'	RT	634+93.18	30.39'	RT	USH 12	-	8	-	-	-
	637+27.03	71.26'	LT	637+36.99	71.10'	LT	USH 12	-	5	-	-	-
	647+42.95	28.41'	RT	647+37.99	26.00'	RT	USH 12	-	2	-	-	-
	652+86.51	36.37'	RT	653+07.21	25.68'	RT	USH 12	-	16	-	-	-
	TOTAL CATEGORY 0020, 6145-01-73							0	44	0	0	0
	608+16.00	40.00'	RT	608+25.10	35.93'	RT	USH 12	-	12	-	-	-
	612+10.00	19.601'	LT	612+29.94	35.18'	LT	USH 12	-	30	-	-	-
	614+80.00	26.00'	RT	614+90.87	25.87'	RT	USH 12	-	12	-	-	-
	614+90.46	8.06'	LT	614+90.87	25.87'	RT	USH12	-	-	34	-	34
	614+90.87	25.87'	RT	614+90.95	32.01'	RT	USH 12	-	-	7	-	7
	617+67.74	73.08'	LT	617+84.53	62.93'	LT	USH 12	-	20	-	-	-
	624+10.16	39.74'	LT	624+10.13	46.74'	LT	USH 12	-	7	-	-	-
	627+30.99	33.00'	RT	627+35.00	25.37'	RT	USH 12	-	5	-	-	-
	634+82.51	46.25'	RT	634+93.18	30.39'	RT	USH 12	-	12	-	-	-
	637+27.03	71.26'	LT	637+36.99	71.10'	LT	USH 12	-	5	-	-	-
	639+72.32	21.56'	LT	639+72.45	46.50'	LT	USH 12	-	25	-	-	-
	647+42.95	28.41'	RT	647+37.99	26.00'	RT	USH 12	-	8	-	-	-
	649+79.32	16.66'	LT	649+82.12	75.86'	LT	USH 12	-	-	54	-	-
	652+86.51	36.37'	RT	653+07.21	25.68'	RT	USH 12	-	10	-	-	-
	656+19.43	47.04'	LT	656+03.06	59.44'	LT	USH 12	-	20	-	-	-
	TOTAL CATEGORY 0020, 6145-01-83							0	166	95	0	41
	661+64.99	47.60	LT	661+54.61	53.60'	LT	USH 12	-	6	-	-	-
	687+57.00	55.00	LT	687+57.05	61+00	LT	USH 12	-	-	6	-	-
	TOTAL CATEGORY 0020, 6145-01-72							0	6	6	0	0
	661+64.99	35.76'	LT	661+54.61	47.60	LT	USH 12	-	16	-	-	16
	662+01.34	20.06'	RT	662+07.26	34.99'	RT	USH 12	-	10	-	-	-
	666+89.53	44.91'	LT	667+18.09	53.28'	LT	USH 12	-	34	-	-	-
	669+33.56	29.70'	RT	669+08.61	39.11'	RT	USH 12	-	18	-	-	-
	672+19.37	36.01'	RT	672+13.19	35.87'	RT	USH 12	-	6	-	-	9
	672+13.19	35.87'	RT	672+21.10	42.37'	RT	USH 12	-	7	-	-	-
	672+13.19	35.87'	RT	672+21.81	23.05'	RT	USH 12	-	14	-	-	-
	675+63.10	43.22'	LT	675+70.23	38.54'	LT	USH 12	-	12	-	-	-
	677+87.37	31.70'	RT	677+78.44	38.73'	RT	USH 12	-	12	-	-	-
	680+46.71	38.75'	LT	680+46.93	56.75'	LT	USH 12	-	18	-	-	-
	682+52.99	30.02'	RT	682+71.04	26.08'	RT	USH 12	-	20	-	-	-
	687+71.92	41.79'	LT	687+87.09	25.20'	LT	USH 12	-	-	-	23	-
	687+57.00	35.00'	LT	687+57.05	55.00'	LT	USH 12	-	-	26	-	-
	687+57.00	41.83'	LT	690+78.89	39.09	LT	USH 12	-	-	-	325	325
	687+66.86	45.18'	LT	687+70.06	60.53'	LT	USH 12	-	-	-	-	19
	690+25.91	25.19'	LT	690+22.06	52.69'	LT	USH 12	108	-	-	-	-
	690+59.69	25.20'	LT	690+72.95	39.20'	LT	USH 12	-	-	-	19	19
	690+72.95	39.20'	LT	690+75.92	39.14'	LT	USH 12	-	-	-	3	3
	690+75.92	39.14'	LT	690+78.89	39.09'	LT	USH 12	-	-	-	3	3
	692+90.02	28.46'	RT	692+86.26	25.99'	RT	USH 12	-	5	-	-	-
	695+83.67	37.32'	RT	695+83.62	44.11'	RT	USH 12	-	8	-	-	-
	699+97.22	38.50'	RT	700+04.42	38.23'	RT	USH 12	-	8	-	-	-
	700+04.42	38.23'	RT	700+15.19	29.17'	RT	USH 12	-	-	-	14	-
	700+15.19	29.17'	RT	700+18.19	29.17'	RT	USH 12	-	-	-	3	-
	700+18.19	29.17'	RT	700+18.84	39.47'	RT	USH 12	-	11	-	-	3
	TOTAL CATEGORY 0020, 6145-01-82							108	199	26	390	397

WATER SERVICE SUMMARY

CATEGORY	STATION	OFFSET DIST.	OFFSET DIR.	SPV.0060.059 VLD 2-INCH CORPORATION VALVE EACH	SPV.0060.060 VLD 1-INCH CURB STOP AND BOX EACH	SPV.0060.061 VLD 2-INCH CURB STOP AND BOX EACH	SPV.0060.062 VLD CONNECT TO EX. WATER SERVICE EACH	SPV.0090.023 VLD 1-INCH SERVICE LINE LF	SPV.0090.024 VLD 2-INCH COPPER SERVICE LF	ADDRESS	STREET	COMMENTS
0020	614+80.05	30.46'	LT	-	1	-	-	8	-			
TOTAL CATEGORY 0020, 6145-01-83				0	1	0	0	8	0			
	665+16.56	26.18'	RT	-	-	1	-	-	25			
	665+17.52	26.16'	RT	-	-	1	-	-	25			
	687+32.15	44.32'	LT	-	-	1	-	-	42			
	687+32.25	45.59'	LT	1	-	-	-	-	-			
	687+30.72	82.76'	LT	-	-	-	1	-	-			
	690+25.91	25.19'	LT	-	-	-	-	-	-			
	690+22.06	52.69'	LT	-	-	-	1	-	-			
TOTAL CATEGORY 0020, 6145-01-82				1	0	3	2	0	92			
GRAND TOTAL				1	1	3	2	8	92			

WATER SERVICE REMOVE & ADJUSTSUMMARY

CATEGORY	STATION	OFFSET DIST.	OFFSET DIR.	SPV.0060.030 VLD REMOVE EXISTING SERVICE EACH	SPV.0060.034 VLD REMOVE & SALVAGE EXISTING CURB STOP BOX EACH	SPV.0060.039 VLD ADJUST EX. CURB STOP < 6-INCHES EACH	SPV.0060.040 VLD ADJUST EX. CURB STOP - 6-INCHES TO 1-FOOT EACH	SPV.0060.041 VLD ADJUST EX. CURB STOP > 1-FOOT EACH
0020	607+67.18	29.85'	RT	-	-	1	-	-
	614+80.05	30.46'	LT	-	1	-	-	-
	617+21.84	31.56'	RT	-	-	-	-	1
	617+22.64	30.36'	RT	-	-	-	-	1
	627+37.56	29.50'	RT	-	-	-	1	-
	650+01.43	20.98'	LT	1	-	-	-	-
TOTAL CATEGORY 0020, 6145-01-83				1	1	1	1	2
	658+22.36	44.87'	LT	-	-	1	-	-
	661+07.06	18.85'	RT	-	-	1	-	-
	664+65.31	19.86'	LT	-	-	-	1	-
	665+16.56	26.18'	RT	1	1	-	-	-
	665+17.52	26.16'	RT	1	1	-	-	-
	668+00.94	23.28'	LT	-	1	-	-	-
	672+80.06	42.50'	LT	-	1	-	-	-
	686+46.31	40.37'	RT	-	-	1	-	-
	686+48.57	41.22'	RT	-	-	1	-	-
	687+53.11	34.33'	RT	-	-	-	1	-
	695+93.35	39.56'	RT	-	-	-	-	1
TOTAL CATEGORY 0020, 6145-01-82				2	4	4	2	1
GRAND TOTAL				3	5	5	3	3

SANITARY MANHOLE SUMMARY

CATEGORY	NUMBER	STATION	OFFSET DIST.	OFFSET DIR.	LOCATION	STRUCTURE	SPV.0060.075 CWD SANITARY SEWER MANHOLE EACH	SPV.0060.076 CWD SANITARY SEWER MANHOLE, OUTSIDE DROP EACH	SPV.0060.077 CWD ADJUST EXISTING SANITARY MANHOLE EACH	SPV.0060.102 CWD MANHOLE ADJUSTMENT VIA MR. MANHOLE EACH
0010	4B	708+58.50	39.47'	RT	USH 12	MANHOLE	1	-	-	-
	E19	709+27.54	58.28'	LT	USH 12	MANHOLE	-	-	1	-
	4A	709+94.79	39.41'	RT	USH 12	MANHOLE	1	-	-	-
	E2	711+36.81	65.13'	LT	USH 12	MANHOLE	-	-	1	-
	4	711+96.72	37.90'	RT	USH 12	MANHOLE	1	-	-	-
	E3A	713+32.67	69.64'	LT	USH 12	MANHOLE	-	-	1	-
	3	713+92.51	40.71'	RT	USH 12	MANHOLE	1	-	-	-
	E4	715+35.43	75.25'	LT	USH 12	MANHOLE	-	-	1	-
	11B	715+52.54	41.39'	RT	USH 12	MANHOLE	1	-	-	-
	11	716+55.66	94.41'	RT	USH 12	MANHOLE	1	-	-	-
	11A	716+56.09	44.60'	RT	USH 12	MANHOLE	1	-	-	-
	3A	71+01.12	38.20'	RT	CTH A	MANHOLE	1	-	-	1
	2A	71+21.89	55.25'	RT	CTH A	MANHOLE	1	-	-	1
	2	71+57.35	16.03'	RT	CTH A	MANHOLE	-	1	-	1
	1	73+37.78	19.93'	RT	CTH A	MANHOLE	-	1	-	1
	1A	73+40.67	29.57'	LT	CTH A	MANHOLE	1	-	-	1
	12A	718+79.86	49.63'	RT	USH 12	MANHOLE	1	-	-	-
	E5	720+01.74	68.61'	LT	USH 12	MANHOLE	-	-	1	-
	12	720+37.71	50.50	RT	USH 12	MANHOLE	1	-	-	-
	E6	722+07.22	65.77'	LT	USH 12	MANHOLE	-	-	1	-
	E13	724+12.32	26.73'	LT	USH 12	MANHOLE	-	-	-	-
	13	724+38.43	36.50'	RT	USH 12	MANHOLE	1	-	-	-
	9	724+38.49	64.63'	LT	USH 12	MANHOLE	1	-	-	-
	10	725+11.93	66.45'	LT	USH 12	MANHOLE	1	-	-	-
	E7	726+85.22	44.45'	RT	USH 12	MANHOLE	-	-	1	-
	6	727+78.11	65.56'	LT	USH 13	MANHOLE	1	-	-	-
	E8	728+84.20	35.91'	RT	USH 12	MANHOLE	-	-	1	-
	E9	730+76.81	42.56'	RT	USH 12	MANHOLE	-	-	1	-
	16	732+75.96	49.09'	RT	USH 12	MANHOLE	1	-	-	-
	5	731+20.37	65.50'	LT	USH 13	MANHOLE	1	-	-	-
	16	732+75.96	49.09'	RT	USH 12	MANHOLE	-	-	1	-
	16A	733+75.74	46.01'	RT	USH 12	MANHOLE	1	-	-	-
	17A	735+49.44	40.65'	RT	USH 12	MANHOLE	1	-	-	-
	19A	735+49.54	77.17'	LT	USH 12	MANHOLE	1	-	-	-
	17	735+64.38	30.41'	RT	USH 12	MANHOLE	-	-		-
	E19	735+69.01	81.19'	LT	USH 12	MANHOLE	-	-	1	-
	18	737+76.21	49.89'	RT	USH 12	MANHOLE	1	-	-	-
	E20	738+40.77	40.77	LT	USH 12	MANHOLE	-	-	1	-
	18A	738+76.60	45.25'	RT	USH 12	MANHOLE	1	-	-	-
	E23	740+46.38	46.31'	RT	USH 12	MANHOLE	-	-	1	-
	E21	740+49.64	74.85'	LT	USH 12	MANHOLE	-	-	1	-
UNDISTRIBUTED							-	-	-	-
TOTAL CATEGORY 0010, 6145-01-84							23	2	14	5

SANITARY SEWER APPURTENANCES SUMMARY

CATEGORY	STATION	OFFSET DIST.	OFFSET DIR.	LOCATION	SPV.0035.007 CWD ROCK EXCAVATION SANITARY SEWER CY	SPV.0060.071 CWD CONSTRUCTION STAKING SANITARY SEWER EACH	SPV.0060.078 CWD CONNECT TO EXISTING SANITARY SEWER MANHOLE EACH	SPV.0060.079 CWD CONNECT TO EXISTING SANITARY SEWER EACH	SPV.0195.004 CWD IMPORTED GRANULAR BACKFILL (FOR SANITARY SEWER) TON
0010	713+98.86	23.72'	RT	USH 12	-	-	-	1	-
	71+21.89	55.25'	RT	CTH A	-	-	-	2	-
	73+37.78	19.93'	RT	CTH A	-	-	-	1	-
	73+40.67	29.57'	LT	CTH A	-	-	-	1	-
	716+55.66	94.91'	RT	USH 12	-	-	-	1	-
	720+47.13	38.32'	RT	USH 12	-	-	-	1	-
	724+12.32	26.73'	LT	USH 12	-	-	-	1	-
	724+49.43	36.05'	RT	USH 12	-	-	-	1	-
	732+75.96	49.09'	RT	USH 12	-	-	1	-	-
	733+74.85	80.14'	LT	USH 12	-	-	2	-	-
	733+75.25	29.87'	RT	USH 12	-	-	-	1	-
	735+69.01	81.19'	LT	USH 12	-	-	1	-	-
	738+76.60	45.25'	RT	USH 12	-	-	-	1	-
UNDISTRUBUTED					2190	1	-	-	200
TOTAL CATEGORY 0010, 6145-01-84					2190	1	4	11	200

SANITARY ABANDON SUMMARY

CATEGORY	NUMBER	STATION	OFFSET DIST.	OFFSET DIR.	LOCATION	STRUCTURE	SPV.0035.008 CWD ABANDON EXISTING SANITARY SEWER, CLSM CY	SPV.0060.073 CWD ABANDON EXISTING SANITARY MANHOLE EACH	SPV.0060.074 CWD ABANDON EXISTING SANITARY SEWER EACH
0010	E4A	710+03.52	17.37'	RT	USH 12	N/A	-	1	-
	E4A	711+98.72	19.91'	RT	USH 12	N/A	3	1	-
	E3	713+94.86	23.72'	RT	USH 12	MANHOLE	3	1	-
	2A	71+21.89	55.25'	RT	CTH A	MANHOLE	-	-	1
	2	71+57.35	16.03'	RT	CTH A	MANHOLE	-	-	1
	E12	720+45.25	61.12'	RT	USH 12	MANHOLE	8	1	-
	E13	724+13.19	37.12'	RT	USH 12	MANHOLE	11	-	-
	16	732+75.96	49.09'	RT	USH 12	N/A	-	-	1
	E16A	733+75.25	29.87'	RT	USH 12	MANHOLE	-	1	2
	E17	735+64.38	30+41'	RT	USH 12	MANHOLE	3	1	2
	E18	737+76.55	44.58'	RT	USH 12	MANHOLE	-	1	2
	UNDISTRIBUTED						-	-	-
TOTAL CATEGORY 0010, 6145-01-84							28	6	9

SANITARY SEWER PIPE SUMMARY

	LOCATION			SPV.0090.029	SPV.0090.030	SPV.0090.031	SPV.0090.032	SPV.0090.033	SPV.0090.041
				CWD SANITARY SEWER C900 RESTRAINED JOINT 12-INCH	CWD SANITARY SEWER PVC 10-INCH	CWD SANITARY SEWER PVC 8-INCH	CWD SANITARY SEWER C900 RESTRAINED JOINT 8-INCH	CWD CASING PIPE RCP 24-INCH	CWD CASING PIPE RCP 30-INCH (SANITARY)
CATEGORY	FROM M.H.	TO M.H.	STREET	LF	LF	LF	LF	LF	LF
0010	4B	4A	USH 12	-	-	139	-	-	-
	4A	4	USH 12	-	-	205	-	-	-
	4	3	USH 12	-	-	199	-	-	-
	3	CONNECT	USH 12	-	-	16	-	-	-
	3	3A	USH 12	-	-	73	-	-	-
	3A	2A	USH 12	-	23	-	-	-	-
	2A	2	USH 12	-	49	-	-	-	-
	2	1	USH 12	-	175	-	-	-	-
	1	1A	USH 12	-	-	50	-	-	-
	2	11B	USH 12	-	156	-	-	-	-
	11B	11A	USH 12	-	106	-	-	-	-
	11A	11	USH 12	-	50	-	-	-	-
	11A	12A	USH 12	-	229	-	-	-	-
	12A	12	USH 12	-	162	-	-	-	-
	12	13	USH 12	-	409	-	-	-	-
	13	9	USH 12	-	-	-	104	80	
	9	CONNECT	USH 12	-	-	26	-	-	-
	9	10	USH 12	-	-	71	-	-	-
	10	6	USH 12	-	-	258	-	-	-
	6	5	USH 12	-	-	334	-	-	-
	5	37	USH 12	-	-	254	-	-	-
	37	19A	USH 12	-	-	174	-	-	-
	16	16A	USH 12	-	-	100	-	-	-
	16A	17A	USH 12	-	-	174	-	-	-
	17A	19A	USH 12	115	-	-	-	-	80
	19A	E19	USH 12	-	-	17	-	-	-
	17A	18	USH 12	-	-	227	-	-	-
	18	18A	USH 12	-	-	100	-	-	-
			UNDISTRIBUTED	-	-	-	-	-	-
TOTAL CATEGORY 0010, 6145-01-84				115	1359	2417	104	80	80

SANITARY LATERAL SUMMARY

				SPV.0060.080	SPV.0090.034			
				CWD SANITARY SEWER WYE 8-INCH X 6-INCH W/TRACER WIRE & TERMINAL BOX	CWD SANITARY LATERAL PVC 6-INCH			
CATEGORY	STATION	OFFSET DIST.	OFFSET DIR.	EACH	LF	ADDRESS	STREET	COMMENTS
0010	710+02.78	50.47'	RT	1	11			
	720+47.13	68.32'	RT	1	24			
UNDISTRIBUTED				-	-			
TOTAL CATEGORY 0010, 6145-01-84				2	35			

WATER GENERAL SUMMARY

CATEGORY	STATION	OFFSET DIST.	OFFSET DIR.	STREET	SPV.0035.009 CWD ROCK EXCAVATION WATER MAIN CY	SPV.0060.072 CWD CONSTRUCTION STAKING WATER MAIN EACH	SPV.0165.003 CWD RIGID INSULATION, 4-FT X 8-FT X 2-INCH SF	SPV.0195.005 CWD IMPORTED GRANULAR BACKFILL (FOR WATER MAIN) TON
0020	UNDISTRIBUTED				599	1	64	300
	TOTAL CATEGORY 0020, 6145-01-84				599	1	64	300

WATER APPURTENANCES SUMMARY

CATEGORY	STATION	OFFSET DIST.	OFFSET DIR.	STREET	SPV.0060.082 CWD REMOVE EXISTING VALVE BOX EACH	SPV.0060.083 CWD ABANDON EXISTING WATER MAIN EACH	SPV.0060.101 CWD CONNECT TO EXISTING WATER MAIN EACH
0020	702+10.00	32.70'	RT	USH 12	-	1	-
	705+87.23	30.43'	RT	USH 12	-	-	1
	706+44.45	28.13'	RT	USH 12	-	1	-
	708+48.15	52.16'	RT	USH 12	-	-	1
	71+05.93	39.18'	LT	CTH A	-	1	-
	71+07.07	40.82	LT	CTH A	1	-	-
	71+08.54	43.68'	LT	CTH A	-	-	1
	71+12.05	41.60'	LT	CTH A	1	-	-
	71+16.74	38.48'	LT	CTH A	-	1	-
	73+61.55	13.80'	LT	CTH A	1	-	-
	73+65.30	16.87'	LT	CTH A	1	-	-
	73+65.72	29.91'	LT	CTH A	-	-	1
	73+69.50	16.56'	LT	CTH A	1	-	-
	73+81.23	13.15'	LT	CTH A	-	1	-
	73+91.89	12.79'	LT	CTH A	-	-	1
	724+21.27	73.12'	LT	USH 12	-	-	1
	724+22.42	46.91'	RT	USH 12	1	-	-
	724+32.52	85.05'	LT	USH 12	-	-	1
	725+06.61	48.41	RT	USH 12	-	-	1
	725+18.25	48.44'	RT	USH 12	-	-	1
	733+61.56	72.09'	LT	USH 12	-	-	1
	733+68.30	72.12'	LT	USH 12	-	-	1
	735+65.30	62.01'	LT	USH 12	-	1	-
	735+66.18	66.42'	LT	USH 12	1	-	-
	735+65.30	62.01'	LT	USH 12	-	1	-
	735+65.47	49.52'	RT	USH 12	-	-	1
	735+65.77	62.62'	LT	USH 12	-	-	1
	740+70.86	84.23'	LT	USH 12	-	-	1
UNDISTRIBUTED					-	-	-
TOTAL CATEGORY 0020, 6145-01-84					7	7	14

WATER HYDRANT SUMMARY

CATEGORY	STATION	OFFSET DIST.	OFFSET DIR.	STREET	SPV.0060.081 CWD REMOVE EXISTING HYDRANT ASSEMBLY EACH	SPV.0060.084 CWD HYDRANT EACH
0020	701+09.38	36.65'	RT	USH 12	1	-
	702+00.00	35.41'	RT	USH 12	-	1
	707+64.81	62.09'	LT	USH 12	-	1
	708+46.08	41.28'	RT	USH 12	-	1
	708+73.39	55.38'	LT	USH 12	1	-
	711+84.64	33.83'	RT	USH 12	1	-
	713+75.36	44.63'	RT	USH 12	-	1
	73+19.88	27.64'	LT	CTH A	1	1
	730.00.00	64.02'	LT	USH 12	-	1
	735+76.07	81.36'	LT	USH 12	1	-
	735+84.71	72.78'	LT	USH 12	-	1
	739+56.06	56.65'	RT	USH 12	-	1
UNDISTRIBUTED					-	-
TOTAL CATEGORY 0020, 6145-01-84					5	8

WATER FITTINGS SUMMARY

CATEGORY	STATION	OFFSET DIST.	OFFSET DIR.	STREET	SPV.0060.088 CWD CROSS 12-INCH X 6-INCH X 12-INCH X 12-INCH EACH	SPV.0060.089 CWD TEE 12-INCH X 12-INCH X 12-INCH EACH	SPV.0060.090 CWD TEE 12-INCH X 6-INCH X 12-INCH EACH	SPV.0060.091 CWD TEE 8-INCH X 12-INCH X 8-INCH EACH	SPV.0060.092 CWD TEE 8-INCH X 8-INCH X 8-INCH EACH	SPV.0060.093 CWD TEE 8-INCH X 6-INCH X 8-INCH EACH	SPV.0060.097 CWD REDUCER 12-INCH X 8-INCH EACH	SPV.0060.098 CWD REDUCER 12-INCH X 6-INCH EACH	SPV.0060.099 CWD PLUG, 12-INCH EACH
0020	702+10.00	32.70'	RT	USH 12	-	-	-	-	-	-	-	1	-
	707+59.14	48.96'	LT	USH 12	-	-	-	-	-	-	-	-	1
	707+64.84	62.31'	LT	USH 12	1	-	-	-	-	-	-	-	-
	707+64.84	31.36'	RT	USH 12	-	1	-	-	-	-	-	-	-
	707+65.27	49.32'	LT	USH 12	1	-	-	-	-	-	-	-	-
	707+67.79	31.50'	RT	USH 12	-	1	-	-	-	-	-	-	-
	708+45.95	51.28'	RT	USH 12	-	-	-	-	-	-	-	-	-
	708+46.21	31.28'	RT	USH 12	-	1	-	-	-	-	-	-	-
	708+46.21	36.35'	RT	USH 12	-	-	-	-	-	-	-	1	-
	713+76.16	30.03	RT	USH 12	-	-	1	-	-	-	-	-	-
	71+21.60	29.99	LT	CTH A	-	1	-	-	-	-	-	-	-
	73+20.13	5.50'	LT	CTH A	-	-	1	-	-	-	-	-	-
	73+56.00	5.50'	LT	CTH A	-	1	-	-	-	-	-	-	-
	73+65.72	29.91'	LT	CTH A	-	-	-	-	-	-	1	-	-
	724+31.00	76.09'	LT	USH 12	-	-	-	1	-	-	-	-	-
	725+11.96	57.45'	LT	USH 12	-	-	-	1	-	-	-	-	-
	725+12.37	48.42'	RT	USH 12	-	1	-	-	-	-	-	-	-
	730+00.00	57.50'	LT	USH 12	-	-	-	-	-	1	-	-	-
	735+46.44	66.14'	LT	USH 12	-	-	-	-	-	-	1	-	-
	735+66.18	66.42'	LT	USH 12	-	1	-	-	-	-	-	-	-
	735+84.44	66.67'	LT	USH 12	-	-	1	-	-	-	-	-	-
	739+71.02	82.12	LT	USH 12	-	1	-	-	-	-	-	-	-
	739+75.17	56.73'	RT	USH 12	-	-	-	-	-	-	-	1	-
	UNDISTRIBUTED				-	-	-	-	1	-	-	-	-
	TOTAL CATEGORY 0020, 6145-01-84				2	8	3	2	1	1	2	3	1

WATER SERVICE SUMMARY

CATEGORY	STATION	OFFSET DIST.	OFFSET DIR.	SPV.0060.100 CWD CORPORATION, CURB STOP, BOX, & RECONNECT 1-INCH EACH	SPV.0090.040 CWD WATER SERVICE COPPER 1-INCH LF	ADDRESS	STREET	COMMENTS
0020	710+18.24	34.65'	RT	1	4			
	713+84.81	46.25'	RT	1	16			
	738+10.96	89.12'	LT	1	7			
	UNDISTRIBUTED			-	-			
	TOTAL CATEGORY 0020, 6145-01-84			3	27			

WATER VALVES SUMMARY

CATEGORY	STATION	OFFSET DIST.	OFFSET DIR.	STREET	SPV.0060.085 & BOX 12-INCH EACH	SPV.0060.086 CWD VALVE & BOX 8-INCH EACH	SPV.0060.087 CWD VALVE & BOX 6-INCH EACH
0020	702+03.00	35.41'	RT	USH 12	-	-	1
	705+92.59	30.33'	RT	USH 12	1	-	-
	707+62.20	49.22'	LT	USH 12	1	-	-
	707+65.17	52.31'	LT	USH 12	-	-	1
	707+67.70	28.48'	RT	USH 12	1	-	-
	707+68.34	49.41'	LT	USH 12	1	-	-
	707+70.75	31.40'	RT	USH 12	1	-	-
	708+46.12	36.35'	RT	USH 12	-	-	1
	713+75.97	33.71'	RT	USH 12	-	-	1
	714+27.72	77.08'	RT	USH 12	1	-	-
	71+19.28	31.32'	LT	CTH A	1	-	-
	71+20.44	27.31'	LT	CTH A	1	-	-
	71+24.13	28.58'	LT	CTH A	1	-	-
	73+20.09	8.52'	LT	CTH A	-	-	1
	73+53.00	5.50'	LT	CTH A	1	-	-
	73+59.00	5.50'	LT	CTH A	1	-	-
	73+65.63	26.92'	LT	CTH A	1	-	-
	724+25.65	76.61'	LT	USH 12	-	1	-
	724+31.55	79.04'	LT	USH 12	-	1	-
	725+09.43	48.41'	RT	USH 12	1	-	-
	725+11.98	54.45'	LT	USH 12	1	-	-
	725+12.36	45.42'	RT	USH 12	1	-	-
	725+15.33	48.43'	RT	USH 12	1	-	-
	725+15.05	57.46'	LT	USH 12	-	1	-
	728+89.51	60.30'	LT	USH 12	-	1	-
	730.00.00	60.40'	LT	USH 12	-	-	1
	730.00.00	64.02'	LT	USH 12	-	-	-
	730.03.00	57.56'	LT	USH 12	-	1	-
	735+60.95	66.52'	LT	USH 12	1	-	-
	735+65.77	62.62'	LT	USH 12	1	-	-
	735+84.56	69.17'	LT	USH 12	-	-	1
	735+87.44	66.24'	LT	USH 12	1	-	-
	739+67.95	82.14'	LT	USH 12	1	-	-
	739+68.09	56.77'	RT	USH 12	1	-	-
	739+71.02	79.18'	LT	USH 12	1	-	-
	739+74.02	82.13	LT	USH 12	1	-	-
	739+71.06	52.14'	RT	USH 12	1	-	-
	739+71.07	56.76'	RT	USH 12	1	-	-
	739+77.06	56.70'	RT	USH 12	-	-	1
UNDISTRIBUTED					-	-	-
TOTAL CATEGORY 0020, 6145-01-84					25	5	8

WATER BENDS SUMMARY

CATEGORY	STATION	OFFSET DIST.	OFFSET DIR.	STREET	SPV.0060.094 CWD BEND 12-INCH EACH	SPV.0060.095 CWD BEND 8-INCH EACH	SPV.0060.096 CWD BEND 6-INCH EACH
0020	702+06.00	35.38'	RT	USH 12	-	-	1
	702+08.00	32.70'	RT	USH 12	-	-	1
	708+58.23	31.48'	RT	USH 12	1	-	-
	709+94.63	31.40'	RT	USH 12	1	-	-
	711+96.83	29.90'	RT	USH 12	1	-	-
	713+95.08	30.76'	RT	USH 12	1	-	-
	714+27.81	76.90'	RT	USH 12	1	-	-
	71+13.97	40.22'	LT	CTH A	1	-	-
	71+15.50	33.60'	LT	CTH A	1	-	-
	73+55.89	14.88'	LT	CTH A	1	-	-
	73+65.53	23.92'	LT	CTH A	1	-	-
	73+78.00	5.50'	LT	CTH A	1	-	-
	73+85.90	13.00'	LT	CTH A	1	-	-
	723.59.76	70.87'	LT	USH 12	-	1	-
	723+69.80	81.29'	LT	USH 12	-	1	-
	725+46.50	62.47'	LT	USH 12	-	1	-
	725+53.57	55.25'	LT	USH 12	-	1	-
	726+00.86	53.50'	LT	USH 12	-	1	-
	727+78.11	57.48'	LT	USH 12	-	1	-
	733+43.98	57.50'	LT	USH 12	-	1	-
	733+58.24	71.76'	LT	USH 12	-	1	-
	733+86.14	72.44'	LT	USH 12	-	1	-
	734+02.50	57.50'	LT	USH 12	-	1	-
	735+24.98	57.43'	LT	USH 12	-	1	-
	735+43.39	66.06'	LT	USH 12	-	1	-
	737+88.79	66.03'	LT	USH 12	1	-	-
	738+04.82	82.06'	LT	USH 12	1	-	-
	740+67.35	82.15'	LT	USH 12	1	-	-
UNDISTRIBUTED					-	-	-
TOTAL CATEGORY 0020, 6145-01-84					14	12	2

3

WATER MAIN PIPE SUMMARY

CATEGORY	STATION	OFFSET DIST.	OFFSET DIR.	TO STATION	OFFSET DIST.	OFFSET DIR.	LOCATION	SPV.0090.035 CWD WATER MAIN DUCTILE IRON 12-INCH LF	SPV.0090.036 CWD WATER MAIN DUCTILE IRON 8-INCH LF	SPV.0090.037 CWD WATER MAIN DUCTILE IRON 6-INCH LF	SPV.0090.038 CWD WATER MAIN DUCTILE IRON RESTRAINED JOINT 12-INCH LF	SPV.0090.039 CWD CASING PIPE RCP 30-INCH LF
0020	702+00.00	35.41'	RT	702+03.00	35.41'	RT	USH 12	-	-	3	-	-
	702+03.00	35.41'	RT	702+06.00	35.38'	RT	USH 12	-	-	3	-	-
	702+06.00	35.38'	RT	702+08.00	32.70'	RT	USH 12	-	-	3	-	-
	702+08.00	32.70'	RT	702+10.00	32.70'	RT	USH 12	-	-	3	-	-
	705+87.23	30.34'	RT	707+67.79	31.50'	RT	USH 12	182	-	-	-	-
	707+67.79	31.50'	RT	707+65.27	49.32'	LT	USH 12	-	-	-	71	-
	707+67.79	31.50'	RT	707+65.27	49.32'	LT	USH 12	-	-	-	-	61
	707+65.27	49.32'	LT	707+59.14	48.96'	LT	USH 12	6	-	-	-	-
	707+65.27	49.32'	LT	707+64.81	62.09'	LT	USH 12	-	-	13	-	-
	707+65.27	49.32'	LT	708+48.15	52.16'	LT	USH 12	81	-	-	-	-
	707+67.79	31.50'	RT	708+58.23	31.48'	RT	USH 12	93	-	-	-	-
	708+46.21	31.28'	RT	708+46.21	37.28	RT	USH 12	5	-	-	-	-
	708+46.21	37.28'	RT	708+46.08	42.28'	RT	USH 12	-	-	6	-	-
	708+58.23	31.48'	RT	709+94.63	31.40'	RT	USH 12	138	-	-	-	-
	709+94.63	31.40'	RT	711+96.83	29.90'	RT	USH 12	205	-	-	-	-
	711+96.83	29.90'	RT	713+76.16	30.03'	RT	USH 12	181	-	-	-	-
	713+76.16	30.03'	RT	713+75.36	44.63'	RT	USH 12	-	-	14	-	-
	713+76.16	30.03'	RT	713+95.08	30.76'	RT	USH 12	19	-	-	-	-
	713+95.08	30.76'	RT	714+21.78	68.46'	RT	USH 12	47	-	-	-	-
	714+21.78	68.46'	RT	714+27.72	77.08'	RT	USH 12	11	-	-	-	-
	70+76.06	44.16'	RT	71+21.60	29.99'	LT	CTH A	-	-	-	87	-
	70+79.00	39.98'	RT	71+19.24	24.60'	LT	CTH A	-	-	-	-	77
	71+21.60	29.99'	LT	71+15.50	33.60'	LT	CTH A	8	-	-	-	-
	71+15.50	33.60'	LT	71+13.97	40.22'	LT	CTH A	7	-	-	-	-
	71+13.97	40.22'	LT	71+08.54	43.68'	LT	CTH A	7	-	-	-	-
	71+19.66	34.11'	LT	73+20.00	5.50'	LT	CTH A	211	-	-	-	-
	73+20.00	5.50'	LT	73+20.00	27.64'	LT	CTH A	-	-	14	-	-
	73+20.00	5.50'	LT	73+56.00	5.50'	LT	CTH A	36	-	-	-	-
	73+56.00	5.50'	LT	73+65.72	29.91'	LT	CTH A	29	-	-	-	-
	73+56.00	5.50'	LT	73+91.89	12.79'	LT	CTH A	39	-	-	-	-
	723+59.76	70.87'	LT	723+69.80	81.29'	LT	USH 12	-	14	-	-	-
	723+69.80	81.29'	LT	724+31.00	76.09'	LT	USH 12	-	76	-	-	-
	724+21.27	73.12'	LT	724+30.22	72.64'	LT	USH 12	-	12	-	-	-
UNDISTRIBUTED								-	-	-	-	-
TOTAL CATEGORY 0020, 6145-01-84								1305	102	59	158	138

CONTINUED ON NEXT SHEET

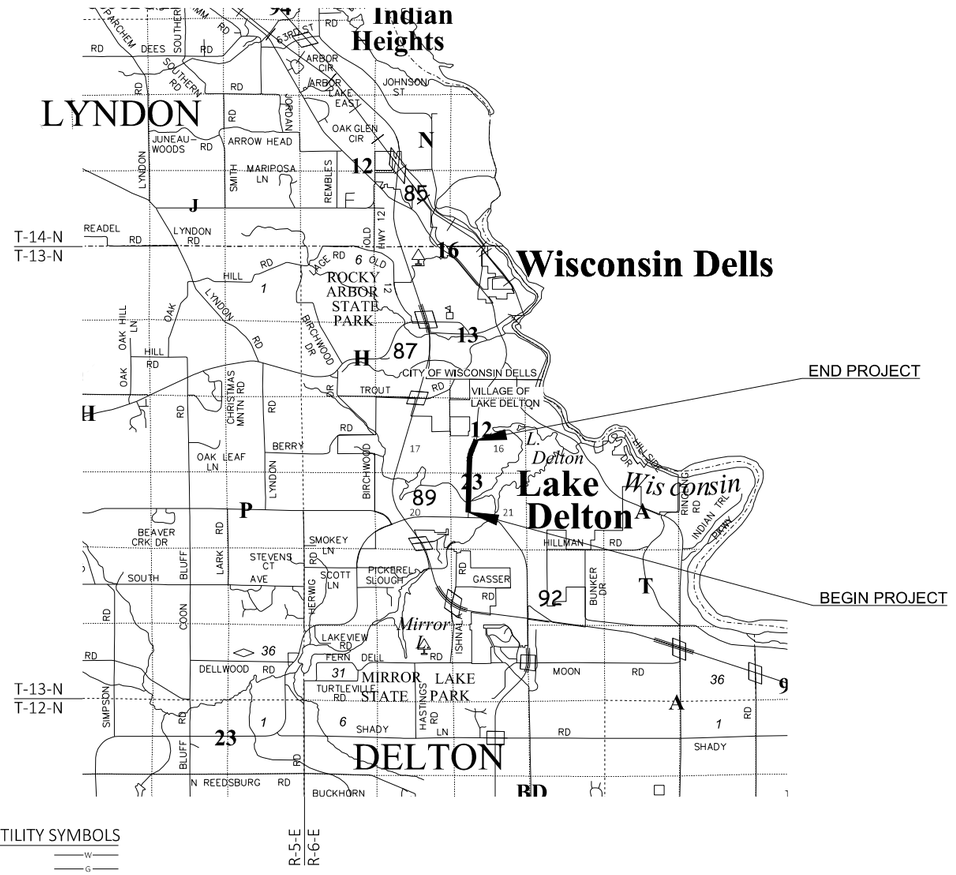
CONTINUED FROM PRIOR SHEET

WATER MAIN PIPE SUMMARY

CATEGORY	STATION	OFFSET DIST.	OFFSET DIR.	TO STATION	OFFSET DIST.	OFFSET DIR.	LOCATION	SPV.0090.035 CWD WATER MAIN DUCTILE IRON 12-INCH LF	SPV.0090.036 CWD WATER MAIN DUCTILE IRON 8-INCH LF	SPV.0090.037 CWD WATER MAIN DUCTILE IRON 6-INCH LF	SPV.0090.038 CWD WATER MAIN DUCTILE IRON RESTRAINED JOINT 12-INCH LF	SPV.0090.039 CWD CASING PIPE RCP 30-INCH (WATER MAIN) LF
0020	724+30.22	72.64'	LT	724+32.52	85.05'	LT	USH 12	-	13	-	-	-
	724+30.22	72.64'	LT	724+48.17	72.63'	LT	USH 12	-	17	-	-	-
	724+48.17	72.63'	LT	724+63.54	57.60'	LT	USH 12	-	22	-	-	-
	724+63.54	57.60'	LT	725+11.96	57.45	LT	USH 12	-	48	-	-	-
	725+11.96	57.45'	LT	725+12.37	48.42'	RT	USH 12	-	-	-	106	-
	725+11.99	51.19'	LT	725+12.30	28.81'	RT	USH 12	-	-	-	-	80
	725+12.37	48.42'	RT	725+06.61	48.41'	RT	USH 12	6	-	-	-	-
	725+12.37	48.42'	RT	725+18.25	48.44'	RT	USH 12	6	-	-	-	-
	725+11.96	57.45	LT	727+78.11	57.48'	LT	USH 12	-	259	-	-	-
	727+78.11	57.48'	LT	730+00.00	57.50'	LT	USH 12	-	216	-	-	-
	730+00.00	57.50'	LT	730+00.00	64.02	LT	USH 12	-	-	7	-	-
	730+00.00	57.50'	LT	733+43.98	57.50'	LT	USH 12	-	343	-	-	-
	733+43.98	57.50'	LT	733+58.24	71.76'	LT	USH 12	-	20	-	-	-
	733+58.24	71.76'	LT	733+61.56	72.09'	LT	USH 12	-	3	-	-	-
	733+68.30	72.12'	LT	733+86.14	72.44'	LT	USH 12	-	18	-	-	-
	733+86.14	72.44'	LT	734+02.50	57.50'	LT	USH 12	-	22	-	-	-
	734+02.50	57.50'	LT	735+24.98	57.43'	LT	USH 12	-	124	-	-	-
	735+24.98	57.43'	LT	735+43.39	66.06'	LT	USH 12	-	20	-	-	-
	735+43.39	66.06'	LT	735+46.44	66.14	LT	USH 12	-	3	-	-	-
	735+46.44	66.14	LT	735+84.44	66.67'	LT	USH 12	36	-	-	-	-
	735+66.18	66.18	LT	735+66.18	62.18	LT	USH 12	4	-	-	-	-
	735+84.44	66.67'	LT	737+88.79	66.03'	LT	USH 12	207	-	-	-	-
	737+88.79	66.03'	LT	738+04.82	82.06'	LT	USH 12	23	-	-	-	-
	738+04.82	82.06'	LT	739+71.02	82.12'	LT	USH 12	167	-	-	-	-
	735+65.47	49.52'	RT	739.68.20	54.77'	RT	USH 12	404	-	-	-	-
	735+76.56	66.33'	LT	737+88.95	66.03'	LT	USH 12	207	-	-	-	-
	737+88.95	66.03'	LT	738+05.00	82.08'	LT	USH 12	23	-	-	-	-
	738+05.00	82.08'	LT	739+71.18	82.14'	LT	USH 12	167	-	-	-	-
	739+71.02	82.12'	LT	739+71.07	56.76'	RT	USH 12	-	-	-	137	-
	739+71.03	68.50'	LT	739+71.05	42.50'	RT	USH 12	-	-	-	-	111
	739+71.07	56.76'	RT	739+75.17	56.73'	RT	USH 12	3	-	-	-	-
	739+75.17	56.73'	RT	739+86.06	56.65'	RT	USH 12	-	-	12	-	-
	739+71.02	82.12'	LT	740+67.35	82.15'	LT	USH 12	96	-	-	-	-
	740+67.35	82.15'	LT	740+70.86	84.23'	LT	USH 12	4	-	-	-	-
UNDISTRIBUTED								-	-	-	-	-
TOTAL CATEGORY 0020, 6145-01-84								1353	1128	19	243	191
GRAND TOTAL								2658	1230	78	401	328

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
TRANSPORTATION PROJECT PLAT TITLE SHEET
6145-01-23
WISCONSIN DELLS - BARABOO
PILGRIM DRIVE TO E ADAMS ST
USH 12
SAUK COUNTY





LAYOUT
SCALE 0 0.984 MI.

CONVENTIONAL SYMBOLS

SECTION LINE	SECTION CORNER SYMBOL	R/W MONUMENT (TO BE SET)	
QUARTER LINE		NON-MONUMENTED R/W POINT	
SIXTEENTH LINE	SECTION CORNER MONUMENT	FOUND IRON PIN (1-INCH UNLESS NOTED)	IP
NEW REFERENCE LINE	GEODETIC SURVEY MONUMENT		
NEW R/W LINE	SIXTEENTH CORNER MONUMENT		
EXISTING R/W OR HE LINE	SIGN	OFF-PREMISE SIGN	
PROPERTY LINE			
LOT, TIE & OTHER MINOR LINES			
SLOPE INTERCEPT			
CORPORATE LIMITS			
UNDERGROUND FACILITY (COMMUNICATIONS, ELECTRIC, ETC)			
NEW R/W (FEE OR HE) (HATCHING VARIES BY OWNER)			
TEMPORARY LIMITED EASEMENT AREA			
EASEMENT AREA (PERMANENT LIMITED OR RESTRICTED DEVELOPMENT)			
TRANSMISSION STRUCTURES			
BUILDING	TO BE REMOVED		
BRIDGE	CULVERT		

	COMPENSABLE	NON-COMPENSABLE
ELECTRIC POLE		
TELEPHONE POLE		
PEDESTAL (LABEL TYPE) (TV, TEL, ELEC, ETC.)		

ACCESS RESTRICTED BY ACQUISITION	
NO ACCESS (BY STATUTORY AUTHORITY)	
ACCESS RESTRICTED (BY PREVIOUS PROJECT OR CONTROL)	
NO ACCESS (NEW HIGHWAY)	
PARCEL NUMBER	25
UTILITY NUMBER	40
PARALLEL OFFSETS	

CONVENTIONAL ABBREVIATIONS

ACCESS RIGHTS	AR	POINT OF COMPOUND CURVE	PCC
ACRES	AC	POINT OF INTERSECTION	PI
AHEAD	AH	PROPERTY LINE	PL
ALUMINUM	ALUM	RECORDED AS	(100')
AND OTHERS	ET AL	REEL / IMAGE	R/I
BACK	BK	REFERENCE LINE	R/L
BLOCK	BLK	RELEASE OF RIGHTS	ROR
CENTERLINE	C/L	REMAINING	REM
CERTIFIED SURVEY MAP	CSM	RESTRICTIVE DEVELOPMENT EASEMENT	RDE
CONCRETE	CONC	RIGHT	RT
COUNTY	CO	RIGHT OF WAY	R/W
COUNTY TRUNK HIGHWAY	CTH	SECTION	SEC
DISTANCE	DIST	SEPTIC VENT	SEPV
CORNER	COR	SQUARE FEET	SF
DOCUMENT NUMBER	DOC	STATE TRUNK HIGHWAY	STH
EASEMENT	EASE	STATION	STA
EXISTING	EX	TELEPHONE PEDESTAL	TP
GAS VALVE	GV	TEMPORARY LIMITED EASEMENT	TLE
GRID NORTH	GN	TRANSPORTATION PROJECT PLAT	TPP
HIGHWAY EASEMENT	HE	UNITED STATES HIGHWAY	USH
IDENTIFICATION	ID	VOLUME	V
LAND CONTRACT	LC		
LEFT	LT		
MONUMENT	MON		
NATIONAL GEODETIC SURVEY	NGS		
NUMBER	NO		
OUTLOT	OL		
PAGE	P		
POINT OF TANGENCY	PT		
PERMANENT LIMITED EASEMENT	PLE		
POINT OF BEGINNING	POB		
POINT OF CURVATURE	PC		

CURVE DATA ABBREVIATIONS

LONG CHORD	LCH
LONG CHORD BEARING	LCB
RADIUS	R
DEGREE OF CURVE	D
CENTRAL ANGLE	Δ /DELTA
LENGTH OF CURVE	L
TANGENT	T
DIRECTION AHEAD	DA
DIRECTION BACK	DB

CONVENTIONAL UTILITY SYMBOLS

WATER	W
GAS	G
TELEPHONE	T
OVERHEAD TRANSMISSION LINES	OH
ELECTRIC	E
CABLE TELEVISION	TV
FIBER OPTIC	FO
SANITARY SEWER	SAN
STORM SEWER	SS
ELECTRIC TOWER	⊠
COMMUNICATIONS	C

THE NOTES,CONVENTIONAL SIGNS, AND ABBREVIATIONS ARE ASSOCIATED WITH EACH TRANSPORTATION PROJECT PLAT FOR PROJECT 6145-01-23

NOTES:

HORIZONTAL POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM (WISCRS), SAUK COUNTY NAD83 (2007), IN U.S. SURVEY FEET. POSITIONS SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES ARE THE SAME AS GROUND DISTANCES.

NGS REFERENCE POINT DH8469
Y=289324.71
X=638326.39

ALL NEW RIGHT-OF-WAY MONUMENTS WILL BE TYPE 2 (TYPICALLY ¾" X 24" IRON REBARS), UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

ALL RIGHT-OF-WAY LINES DEPICTED IN THE NON-ACQUISITION AREAS ARE INTENDED TO RE-ESTABLISH EXISTING RIGHT-OF-WAY LINES AS DETERMINED FROM PREVIOUS PROJECTS, OTHER RECORDED DOCUMENTS, CENTERLINE OF EXISTING PAVEMENTS AND/OR EXISTING OCCUPATIONAL LINES.

RIGHT-OF-WAY BOUNDARIES ARE DEFINED WITH COURSES OF THE PERIMETER OF THE HIGHWAY LANDS REFERENCED TO THE U.S. PUBLIC LAND SURVEY SYSTEM OR OTHER "SURVEYS" OF PUBLIC RECORD.

DIMENSIONING FOR THE NEW RIGHT-OF-WAY IS MEASURED ALONG AND PERPENDICULAR TO THE NEW REFERENCE LINES.

A TEMPORARY LIMITED EASEMENT (TLE) IS A RIGHT FOR CONSTRUCTION PURPOSES, AS DEFINED HEREIN, INCLUDING THE RIGHT TO OPERATE NECESSARY EQUIPMENT THEREON, THE RIGHT OF INGRESS AND EGRESS, AS LONG AS REQUIRED FOR SUCH PUBLIC PURPOSE, INCLUDING THE RIGHT TO PRESERVE, PROTECT, REMOVE, OR PLANT THEREON ANY VEGETATION THAT THE HIGHWAY AUTHORITIES MAY DEEM DESIRABLE. ALL (TLEs) ON THIS PLAT EXPIRE AT THE COMPLETION OF THE CONSTRUCTION PROJECT FOR WHICH THIS INSTRUMENT IS GIVEN.

A PERMANENT LIMITED EASEMENT (PLE) IS A RIGHT FOR CONSTRUCTION AND MAINTENANCE PURPOSES, AS DEFINED HEREIN, INCLUDING THE RIGHT TO OPERATE NECESSARY EQUIPMENT THEREON AND THE RIGHT OF INGRESS AND EGRESS, AS LONG AS REQUIRED FOR SUCH PUBLIC PURPOSE, INCLUDING THE RIGHT TO PRESERVE, PROTECT, REMOVE, OR PLANT THEREON ANY VEGETATION THAT THE HIGHWAY AUTHORITIES MAY DEEM DESIRABLE, BUT WITHOUT PREJUDICE TO THE OWNER'S RIGHTS TO MAKE OR CONSTRUCT IMPROVEMENTS ON SAID LANDS OR TO FLATTEN THE SLOPES, PROVIDING SAID ACTIVITIES WILL NOT IMPAIR OR OTHERWISE ADVERSELY AFFECT THE HIGHWAY FACILITIES.

AN EASEMENT FOR HIGHWAY PURPOSES (HE), AS LONG AS SO USED, INCLUDING THE RIGHT TO PRESERVE, PROTECT, REMOVE, OR PLANT THEREON ANY VEGETATION THAT THE HIGHWAY AUTHORITIES MAY DEEM DESIRABLE.

PROPERTY LINES SHOWN ON THIS PLAT FOR PROPERTIES BEING IMPACTED ARE DRAWN FROM DATA DERIVED FROM FILES/RECORDED MAPS AND DOCUMENTS OF PUBLIC RECORD. THIS PLAT MAY NOT BE A TRUE REPRESENTATION OF EXISTING PROPERTY LINES, EXCLUDING RIGHT-OF-WAY, AND SHOULD NOT BE USED AS SUBSTITUTE FOR AN ACCURATE FIELD SURVEY.

FOR THE CURRENT ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN LA CROSSE/SOUTHWEST REGION

PARCEL AND UTILITY IDENTIFICATION NUMBERS MAY NOT POINT TO ALL AREAS OF ACQUISITION, AS NOTED ON THE TPP DETAIL PAGES.

INFORMATION FOR THE BASIS OF EXISTING HIGHWAY RIGHT-OF-WAY POINTS OF REFERENCE AND ACCESS CONTROL ARE LISTED ON THE TPP DETAIL PAGES.

FILE NAME : X:\ML\2021\20210212\SURVEY\TPP-USH 12_6145-01-03.DWG
LAYOUT NAME: TPP-TITLE
PLOT DATE : 12/12/2023 12:00 PM PLOT BY : ROLLINS, CARLA PLOT NAME : _____

TRANSPORTATION PROJECT PLAT NO: 6145-01-23- 4. 01 AMENDMENT NO: 3

AMENDS UTILITY NUMBER 106 OF TRANSPORTATION PROJECT PLAT NO: 6145-01-23- 4.01 RECORDED AS DOCUMENT NO: 1257288

THOSE PARTS OF LOTS 1 AND 12 AND A 20 FOOT WIDE VACATED ALLEY, BLOCK 26, AND THAT PART OF LOT 6, BLOCK 25, AND PART OF VACATED DURKEE STREET AND PART OF LOT 3, BLOCK 16 AND PART OF VACATED NORTH TERRACE STREET, NORRIS VILLAGE (NOW PLAT OF LAKE DELTON) AND PART OF LOT 1, CSM #6573 BEING IN AND INCLUDING PART OF THE SOUTHWEST 1/4 OF THE NORTHWEST 1/4 AND THAT PART OF VACATED DURKEE STREET AND THAT PART OF THE SOUTHEAST 1/4 OF THE NORTHWEST 1/4 ALL IN SECTION 21, TOWNSHIP 13 NORTH, RANGE 6 EAST, VILLAGE OF LAKE DELTON, SAUK COUNTY, WISCONSIN.

RELOCATION ORDER: USH 12, WISCONSIN DELLS-BARABOO, PILGRIM DRIVE TO E ADAMS ST, SAUK COUNTY

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09, AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

NOTES:

HORIZONTAL POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM (WISCRS), SAUK COUNTY NAD83 (2007), IN U.S. SURVEY FEET. POSITIONS SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES ARE THE SAME AS GROUND DISTANCES.

NGS REFERENCE POINT DH8469
Y=289324.71
X=638326.39

ALL NEW RIGHT-OF-WAY MONUMENTS WILL BE TYPE 2 (TYPICALLY ¾" X 24" IRON REBARS), UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

FOR THE CURRENT ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN LA CROSSE/SOUTHWEST REGION.

FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 3 OF DOCUMENT NUMBER 1257288.

SIXTEENTH LINES WERE ESTABLISHED BY SECTION BREAKDOWN OF OBSERVED PLSS MONUMENTS.

BUILDINGS ARE NOT AFFECTED BY TLE'S.

SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANCE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT.

PARCEL NUMBER	OWNER(S)	INTERESTS REQUIRED	R/W REQUIRED (ACRES OR S.F.) NEW	EXISTING	TOTAL	P.L.E.	T.L.E.
			SQ. FT.	SQ. FT.	SQ. FT.	SQ. FT.	SQ. FT.
1	VILLAGE OF LAKE DELTON LAMAR ADVERTISING	FEE & TLE	18	---	18	---	2265
2	WP DELTON DEVELOPMENT, LLC	TLE	---	---	---	---	740
3	UZI MAMAN AND MICHAEL MALKA, TO EACH AN UNDIVIDED ONE-HALF INTEREST AS TENANTS IN COMMON LAMAR ADVERTISING	FEE & TLE	4192	---	4192	---	13285
4	TREVORROW DEVELOPMENT LLC	TLE	---	---	---	---	1107
7	JESSE NOWAK AND CHRISTINE NOWAK, HUSBAND AND WIFE, AS SURVIVORSHIP MARITAL PROPERTY	TLE	---	---	---	---	305
9	TOMMY BARTLETT, INC.	TLE	---	---	---	---	799
10	COUNSELL FAMILY LIMITED PARTNERSHIP, A WISCONSIN LIMITED PARTNERSHIP	FEE , PLE & TLE	920	---	920	150	7753

SCHEDULE OF OFF PREMISE SIGN STRUCTURES

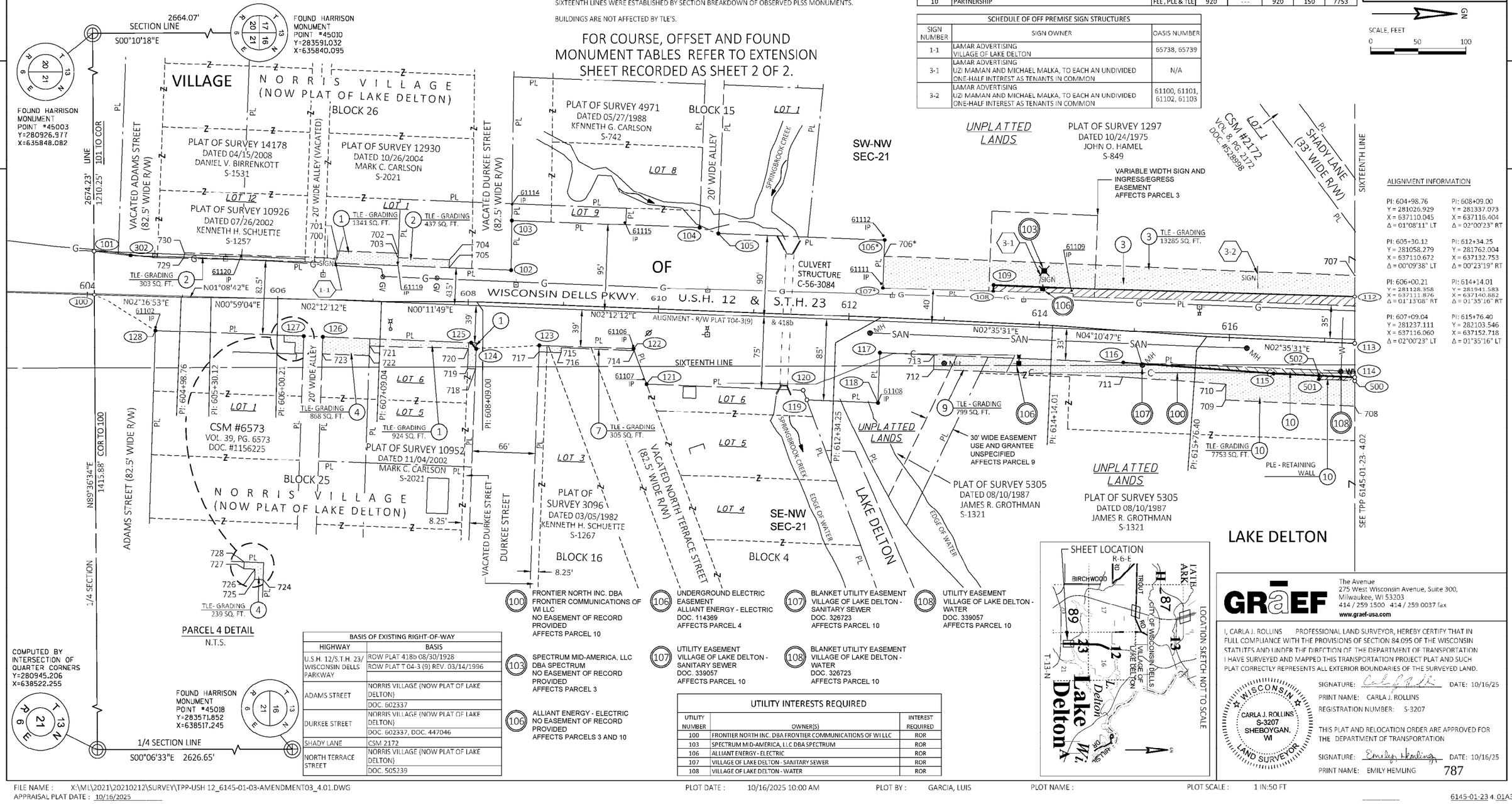
SIGN NUMBER	SIGN OWNER	OASIS NUMBER
1-1	LAMAR ADVERTISING VILLAGE OF LAKE DELTON	65738, 65739
3-1	LAMAR ADVERTISING UZI MAMAN AND MICHAEL MALKA, TO EACH AN UNDIVIDED ONE-HALF INTEREST AS TENANTS IN COMMON	N/A
3-2	LAMAR ADVERTISING UZI MAMAN AND MICHAEL MALKA, TO EACH AN UNDIVIDED ONE-HALF INTEREST AS TENANTS IN COMMON	61100, 61101, 61102, 61103

DOCUMENT #: **1282088**
Recorded: 10-24-2025 at 8:41 AM
BRENT BAILEY
SAUK COUNTY REGISTER OF DEEDS
REGISTRAR'S OFFICE
Sauk Co, WI
RECEIVED FOR RECORD
Fee Amount: $25.00
This document has been filed electronically

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 6145-01-23-4.01
SHEET 1 OF 2
AMENDMENT NO: 3

GN
SCALE, FEET
0 50 100

FOR COURSE, OFFSET AND FOUND MONUMENT TABLES REFER TO EXTENSION SHEET RECORDED AS SHEET 2 OF 2.



ALIGNMENT INFORMATION

PI: 604+98.76 Y = 281026.929 X = 637110.045 Δ = 01°08'11" LT	PI: 608+09.00 Y = 281337.073 X = 637116.404 Δ = 02°00'23" RT
PI: 605+30.12 Y = 281058.279 X = 637110.672 Δ = 00°09'38" LT	PI: 612+34.25 Y = 281762.004 X = 637132.753 Δ = 00°23'19" RT
PI: 606+00.21 Y = 281128.358 X = 637111.876 Δ = 01°13'08" RT	PI: 614+14.01 Y = 281941.583 X = 637140.882 Δ = 01°35'16" RT
PI: 607+09.04 Y = 281237.111 X = 637116.060 Δ = 02°00'23" LT	PI: 615+76.40 Y = 282103.546 X = 637152.718 Δ = 01°35'16" LT

BASIS OF EXISTING RIGHT-OF-WAY

HIGHWAY	BASIS
U.S.H. 12/S.T.H. 23/ WISCONSIN DELLS PARKWAY	ROW PLAT 418b 08/30/1928
	ROW PLAT T 04-3 (9) REV. 03/14/1996
ADAMS STREET	NORRIS VILLAGE (NOW PLAT OF LAKE DELTON)
	DOC. 602337
DURKEE STREET	NORRIS VILLAGE (NOW PLAT OF LAKE DELTON)
	DOC. 602337, DOC. 447046
SHADY LANE	CSM 2172
NORTH TERRACE STREET	NORRIS VILLAGE (NOW PLAT OF LAKE DELTON)
	DOC. 505239

(100) FRONTIER NORTH INC. DBA FRONTIER COMMUNICATIONS OF WI LLC
NO EASEMENT OF RECORD PROVIDED
AFFECTS PARCEL 10

(103) SPECTRUM MID-AMERICA, LLC DBA SPECTRUM
NO EASEMENT OF RECORD PROVIDED
AFFECTS PARCEL 3

(106) ALLIANT ENERGY - ELECTRIC
NO EASEMENT OF RECORD PROVIDED
AFFECTS PARCELS 3 AND 10

(106) UNDERGROUND ELECTRIC EASEMENT
ALLIANT ENERGY - ELECTRIC
DOC. 114369
AFFECTS PARCEL 4

(107) UTILITY EASEMENT
VILLAGE OF LAKE DELTON - SANITARY SEWER
DOC. 339057
AFFECTS PARCEL 10

(107) BLANKET UTILITY EASEMENT
VILLAGE OF LAKE DELTON - SANITARY SEWER
DOC. 326723
AFFECTS PARCEL 10

(108) BLANKET UTILITY EASEMENT
VILLAGE OF LAKE DELTON - WATER
DOC. 326723
AFFECTS PARCEL 10

(108) UTILITY EASEMENT
VILLAGE OF LAKE DELTON - WATER
DOC. 339057
AFFECTS PARCEL 10

UTILITY INTERESTS REQUIRED

UTILITY NUMBER	OWNER(S)	INTEREST REQUIRED
100	FRONTIER NORTH INC. DBA FRONTIER COMMUNICATIONS OF WI LLC	ROR
103	SPECTRUM MID-AMERICA, LLC DBA SPECTRUM	ROR
106	ALLIANT ENERGY - ELECTRIC	ROR
107	VILLAGE OF LAKE DELTON - SANITARY SEWER	ROR
108	VILLAGE OF LAKE DELTON - WATER	ROR

GRÄEF
The Avenue
275 West Wisconsin Avenue, Suite 300,
Milwaukee, WI 53203
414 / 259 1500 414 / 259 0037 fax
www.graef-usa.com

I, CARLA J. ROLLINS PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE DEPARTMENT OF TRANSPORTATION I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

SIGNATURE: _____ DATE: 10/16/25
PRINT NAME: CARLA J. ROLLINS
REGISTRATION NUMBER: S-3207

WISCONSIN CARLA J. ROLLINS S-3207 SHEBOYGAN, WI LAND SURVEYOR

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE DEPARTMENT OF TRANSPORTATION

SIGNATURE: _____ DATE: 10/16/25
PRINT NAME: EMILY HEMLING 787

FILE NAME : X:\M\L\2021\20210212\SURVEY\TPP-USH 12_6145-01-03-AMENDMENT03_4.01.DWG
APPRAISAL PLAT DATE : 10/16/2025
PLOT DATE : 10/16/2025 10:00 AM
PLOT BY : GARCIA, LUIS
PLOT NAME :
PLOT SCALE : 1 IN:50 FT

6145-01-23 4.01A3

TRANSPORTATION PROJECT PLAT NO: 6145-01-23- 4. 01 AMENDMENT NO: 3
EXTENSION SHEET

RELOCATION ORDER: USH 12, WISCONSIN DELLS-BARABOO, PILGRIM DRIVE TO E ADAMS ST, SAUK COUNTY

NOTES:

HORIZONTAL POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM (WISCRS), SAUK COUNTY NAD83 (2007), IN U.S. SURVEY FEET. POSITIONS SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES ARE THE SAME AS GROUND DISTANCES.

NGS REFERENCE POINT DH8469
Y=289324.71
X=638326.39

FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 3 OF DOCUMENT NUMBER 1257288.

POINTS WITH AN (*) INDICATE AREAS WHERE SOFTWARE CAN'T CALCULATE STATION AND OFFSET DUE TO INFINITESIMAL DIFFERENCES CREATED BY ANGLE POINTS.

SHEET 2 OF 2: COURSE TABLES, OFFSET TABLES AND FOUND MONUMENT TABLE

R/W COURSE TABLE		
POINT	BEARING	DISTANCE
100 - 101	S89°36'34"W	48.11'
101 - 302	N06°35'55"E	38.66'
302 - 102	N02°12'12"E	399.85'
102 - 103	N89°11'48"W	51.52'
103 - 104	N02°12'12"E	197.23'
104 - 105	N16°14'22"E	20.62'
105 - 106	N02°12'12"E	174.66'
106 - 107	S87°47'48"E	50.00'
107 - 108	N02°12'12"E	116.00'
108 - 109	N87°38'13"W	7.68'
109 - 112	N02°21'47"E	379.48'
112 - 113	S89°59'23"E	50.68'
113 - 114	S89°59'23"E	35.04'
114 - 115	S02°35'31"W	85.27'
115 - 116	S04°10'47"W	158.17'
116 - 117	S02°12'12"W	255.76'
117 - 118	S87°47'48"E	52.00'
118 - 119	S02°12'12"W	74.75'
119 - 120	S69°27'37"W	10.84'
120 - 121	S02°12'12"W	164.54'
121 - 122	S69°27'37"W	39.64'
122 - 123	S02°12'12"W	99.01'
123 - 124	S03°18'58"E	66.31'
124 - 125	S51°10'01"W	8.46'
125 - 126	S02°12'12"W	155.83'
126 - 127	S02°12'12"W	20.00'
127 - 128	S02°12'12"W	155.89'
128 - 100	S31°52'01"W	75.58'

R/W STATION & OFFSET TABLE		
PT #	STATION	OFFSET
100	604+07.31	0.00'
101	604+05.07	48.06' LT
102	608+43.62	39.65' LT
103	608+42.36	91.15' LT
104	610+39.59	91.15' LT
105	610+59.59	86.15' LT
106*	612+34.25	86.15' LT
107*	612+34.25	36.15' LT
108	613+50.00	36.94' LT
109	613+49.97	44.61' LT
112	617+29.51	50.63' LT
113	617+31.79	0.00'
114	617+33.37	35.00' RT
115	616+48.09	35.00' RT
116	614+90.87	33.00' RT
117	612+33.92	36.85' RT
118	612+33.92	88.85' RT
119	611+59.18	88.85' RT
120	611+54.98	78.85' RT
121	609+90.44	78.85' RT
122	609+75.35	42.85' RT
123	608+76.34	42.85' RT
124	608+10.34	49.23' RT
125	608+03.29	42.68' RT
126	606+48.90	39.35' RT
127	606+28.90	39.35' RT
128	604+73.01	37.32' RT
302	604+43.62	45.14' LT

PLE COURSE TABLE		
POINT	BEARING	DISTANCE
114 - 500	S89°59'23"E	4.00'
500 - 501	S02°35'31"W	37.70'
501 - 502	N87°24'29"W	4.00'
502 - 114	N02°35'31"E	37.52'
502 - 115	S02°35'31"W	47.75'

PLE STATION & OFFSET TABLE		
PT #	STATION	OFFSET
500	617+33.55	39.00' RT
501	616+95.85	39.00' RT
502	616+95.85	35.00' RT

TLE STATION & OFFSET TABLE		
PT #	STATION	OFFSET
700	606+60.25	48.15' LT
701	606+60.25	56.25' LT
702	607+26.49	55.67' LT
703	607+26.32	50.68' LT
704	607+80.21	48.79' LT
705	607+79.93	40.69' LT
706*	612+34.25	69.15' LT
707	617+28.38	75.62' LT
708	617+34.72	65.00' RT
709	615+98.83	65.00' RT
710	615+98.83	48.64' RT
711	614+91.13	48.00' RT
712	612+91.38	51.46' RT
713	612+91.28	36.46' RT
714	609+76.14	44.75' RT
715	608+99.59	44.75' RT
716	608+99.59	49.75' RT
717	608+76.34	49.75' RT
718	608+10.34	69.75' RT
719	607+99.66	69.47' RT
720	608+00.37	49.03' RT
721	606+98.33	46.78' RT
722	606+98.36	56.78' RT
723	606+48.96	57.06' RT
724	606+28.96	57.17' RT
725	606+20.11	57.22' RT
726	606+20.13	46.25' RT
727	606+08.31	46.25' RT
728	606+08.31	39.35' RT
729	605+00.83	45.19' LT
730	605+00.93	50.19' LT

FOUND MONUMENT INFORMATION SHOWN REPRESENTS TYPE AND LOCATION OF EXISTING MONUMENTS WITHOUT OPINION AS TO THEIR VALIDITY AND USE AS A PROPERTY CORNER.

FOUND MONUMENT TABLE				
PT #	Y (NORTHING)	X (EASTING)	DESCRIPTION	PERPENDICULAR DIST. TO EXISTING R/W
61102	280999.907	637142.814	3/4" REBAR	3.50' E
61106	281501.245	637162.353	5/8" REBAR	3.25' SE
61107	281511.985	637196.974	5/8" REBAR	1.32' NW
61108	281758.358	637221.647	1" O.D. 1' BELOW GRADE	0.12' W - 0.10' S
61109	281961.583	637100.616	1-1/4" O.D.	3.64' E
61111	281761.560	637091.969	1-1/4" O.D.	2.02' N
61112	281763.779	637042.098	1-1/4" O.D.	4.51' E
61114	281374.205	637009.481	3/4" REBAR W/MSA FLAG	0.05' S
61115	281492.408	637028.701	1-1/4" O.D.	2.46' W
61119	281254.106	637070.357'	3/4" REBAR	3.17' E
61120	281089.639	637063.603'	3/4" REBAR	3.60' E

TPP NUMBER 6145-01-23
4.01 AMENDMENT NO: 3
SHEET 2 788

TRANSPORTATION PROJECT PLAT NO: 6145-01-23- 4. 02 AMENDMENT NO: 3

ADDS UTILITY NUMBER 102, AMENDS UTILITY NUMBERS 100, 103, 106 AND 108 AND REMOVES UTILITY NUMBER 109 OF TRANSPORTATION PROJECT PLAT NO: 6145-01-23- 4.02 RECORDED AS DOCUMENT NO: 1257374

THAT PART OF LOT 3, CSM #1780 AND PART OF LOT 4, CSM # 5461 AND PART OF LOT 2, CSM #2286, AND PARTS OF LOTS 1, 2, AND OUTLOT 2, CSM #6278 BEING IN AND INCLUDING PARTS OF THE NORTHWEST 1/4 OF THE NORTHWEST 1/4 AND PART OF LOT 1, CSM #2098 BEING IN AND INCLUDING PARTS OF THE NORTHEAST 1/4 OF THE NORTHWEST 1/4 ALL IN SECTION 21, TOWNSHIP 13 NORTH, RANGE 6 EAST, VILLAGE OF LAKE DELTON, SAUK COUNTY, WISCONSIN.

RELOCATION ORDER: USH 12, WISCONSIN DELLS-BARABOO, PILGRIM DRIVE TO E ADAMS ST, SAUK COUNTY

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09, AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

NOTES:

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NGS REFERENCE POINT DH8469
Y=289324.71
X=638326.39

ALL NEW RIGHT-OF-WAY MONUMENTS WILL BE TYPE 2 (TYPICALLY ¾" X 24" IRON REBARS), UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

FOR THE CURRENT ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN LA CROSSE/SOUTHWEST REGION.

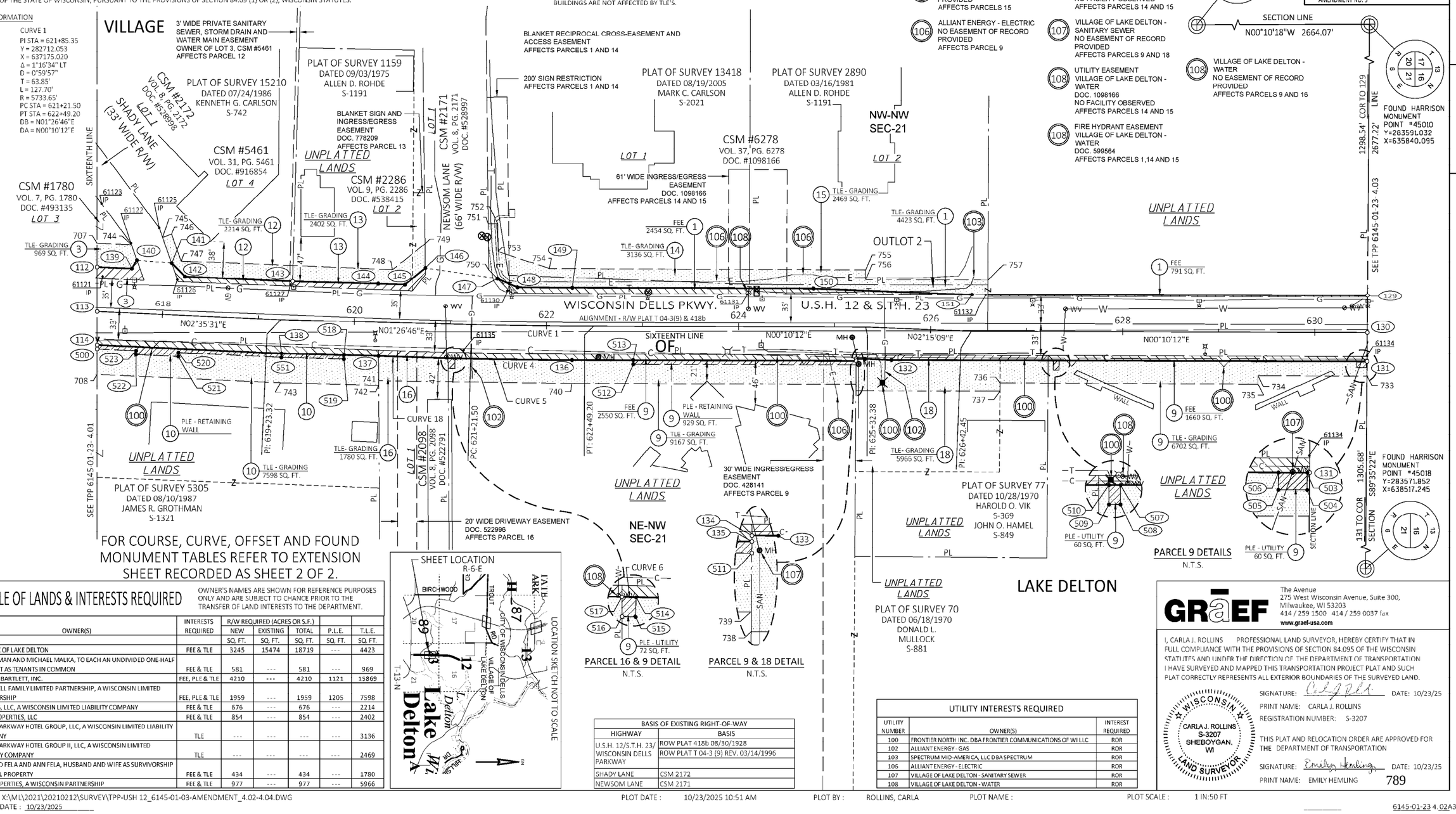
FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 3 OF DOCUMENT NUMBER 1257288.

SIXTEENTH LINES WERE ESTABLISHED BY SECTION BREAKDOWN OF OBSERVED PLSS MONUMENTS.

BUILDINGS ARE NOT AFFECTED BY TLE'S.

ALIGNMENT INFORMATION

	CURVE 1
PI: 619+23.32	PI STA = 621+85.35
Y = 282450.108	Y = 282712.053
X = 637168.407	X = 637175.020
Δ = 01°08'45" LT	Δ = 1°16'34" LT
	D = 0°59'57"
PI: 625+32.38	T = 63.85'
Y = 283059.083	L = 127.70'
X = 637176.049	R = 5733.65'
Δ = 02°04'57" RT	PC STA = 621+21.50
	PT STA = 622+49.20
PI: 626+42.45	DB = N01°26'46"E
Y = 283169.071	DA = N00°10'12"E
X = 637180.376	
Δ = 02°04'57" LT	



100 FRONTIER NORTH INC. DBA FRONTIER COMMUNICATIONS OF WI LLC
NO EASEMENT OF RECORD PROVIDED
AFFECTS PARCELS 9, 10 AND 18

100 UTILITY EASEMENT VERIZON
DOC. 370825
NO FACILITY OBSERVED
AFFECTS PARCELS 12,13 AND 14

102 ALLIANT ENERGY - GAS
NO EASEMENT OF RECORD PROVIDED
AFFECTS PARCELS 9 AND 18

103 SPECTRUM
NO EASEMENT OF RECORD PROVIDED
AFFECTS PARCELS 15

106 ALLIANT ENERGY - ELECTRIC
NO EASEMENT OF RECORD PROVIDED
AFFECTS PARCEL 9

106 UTILITY EASEMENT ALLIANT ENERGY - ELECTRIC
DOC. 1106786
AFFECTS PARCEL 14

106 UTILITY EASEMENT ALLIANT ENERGY - ELECTRIC
DOC. 1106787
AFFECTS PARCEL 15

106 UTILITY EASEMENT - BLANKET ALLIANT ENERGY - ELECTRIC
DOC. 286232
NO FACILITY OBSERVED PARCEL 12
AFFECTS PARCELS 12 AND 14

107 UTILITY EASEMENT VILLAGE OF LAKE DELTON - SANITARY SEWER
DOC. 1098166
NO FACILITY OBSERVED
AFFECTS PARCELS 14 AND 15

107 VILLAGE OF LAKE DELTON - SANITARY SEWER
NO EASEMENT OF RECORD PROVIDED
AFFECTS PARCELS 9 AND 18

108 UTILITY EASEMENT VILLAGE OF LAKE DELTON - WATER
DOC. 1098166
NO FACILITY OBSERVED
AFFECTS PARCELS 14 AND 15

108 FIRE HYDRANT EASEMENT VILLAGE OF LAKE DELTON - WATER
DOC. 599564
AFFECTS PARCELS 1,14 AND 15

108 VILLAGE OF LAKE DELTON - WATER
NO EASEMENT OF RECORD PROVIDED
AFFECTS PARCELS 9 AND 16

FOR COURSE, CURVE, OFFSET AND FOUND MONUMENT TABLES REFER TO EXTENSION SHEET RECORDED AS SHEET 2 OF 2.

SHEET LOCATION
R-6-E
T-13-N
LOCATION SKETCH NOT TO SCALE

SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANCE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT.

PARCEL NUMBER	OWNER(S)	INTERESTS REQUIRED	R/W REQUIRED (ACRES OR S.F.) NEW	EXISTING	TOTAL	P.L.E.	T.L.E.
			SQ. FT.	SQ. FT.	SQ. FT.	SQ. FT.	SQ. FT.
1	VILLAGE OF LAKE DELTON	FEE & TLE	3245	15474	18719	---	4423
3	UZI MAMAN AND MICHAEL MALKA, TO EACH AN UNDIVIDED ONE-HALF INTEREST AS TENANTS IN COMMON	FEE & TLE	581	---	581	---	969
9	TOMMY BARTLETT, INC.	FEE, PLE & TLE	4210	---	4210	1121	13869
10	COUNSELL FAMILY LIMITED PARTNERSHIP, A WISCONSIN LIMITED PARTNERSHIP	FEE, PLE & TLE	1959	---	1959	1205	7598
12	RHODES, LLC, A WISCONSIN LIMITED LIABILITY COMPANY	FEE & TLE	676	---	676	---	2214
13	421 PROPERTIES, LLC	FEE & TLE	854	---	854	---	2402
14	DELLS PARKWAY HOTEL GROUP, LLC, A WISCONSIN LIMITED LIABILITY COMPANY	TLE	---	---	---	---	3136
15	DELLS PARKWAY HOTEL GROUP II, LLC, A WISCONSIN LIMITED LIABILITY COMPANY	TLE	---	---	---	---	2469
16	RICHARD FELA AND ANN FELA, HUSBAND AND WIFE AS SURVIVORSHIP MARITAL PROPERTY	FEE & TLE	434	---	434	---	1780
18	T.J. PROPERTIES, A WISCONSIN PARTNERSHIP	FEE & TLE	977	---	977	---	5966

BASIS OF EXISTING RIGHT-OF-WAY	
HIGHWAY	BASIS
U.S.H. 12/S.T.H. 23/ WISCONSIN DELLS PARKWAY	ROW PLAT 418b 08/30/1928
	ROW PLAT T 04-3 (9) REV. 03/14/1996
SHADY LANE	CSM 2172
NEWSOM LANE	CSM 2171

UTILITY INTERESTS REQUIRED

UTILITY NUMBER	OWNER(S)	INTEREST REQUIRED
100	FRONTIER NORTH INC. DBA FRONTIER COMMUNICATIONS OF WI LLC	ROR
102	ALLIANT ENERGY - GAS	ROR
103	SPECTRUM MID-AMERICA, LLC DBA SPECTRUM	ROR
106	ALLIANT ENERGY - ELECTRIC	ROR
107	VILLAGE OF LAKE DELTON - SANITARY SEWER	ROR
108	VILLAGE OF LAKE DELTON - WATER	ROR

DOCUMENT #: 1282089
Recorded: 10-24-2025 at 8:41 AM
BRENT BAILEY
SAUK COUNTY REGISTER OF DEEDS
REGISTRAR'S OFFICE
Sauk Co, WI
RECEIVED FOR RECORD
Fee Amount: $25.00
This document has been filed electronically

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 6145-01-23-4.02
SHEET 1 OF 2
AMENDMENT NO: 3

GRAEF
The Avenue
275 West Wisconsin Avenue, Suite 300,
Milwaukee, WI 53203
414 / 259 1500 414 / 259 0037 fax
www.graef-usa.com

I, CARLA J. ROLLINS PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE DEPARTMENT OF TRANSPORTATION I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

SIGNATURE: _____ DATE: 10/23/25
PRINT NAME: CARLA J. ROLLINS
REGISTRATION NUMBER: S-3207

WISCONSIN CARLA J. ROLLINS S-3207 SHEBOYGAN, WI LAND SURVEYOR

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE DEPARTMENT OF TRANSPORTATION

SIGNATURE: _____ DATE: 10/23/25
PRINT NAME: EMILY HEMLING 789

FILE NAME : X:\M\L\2021\20210212\SURVEY\TPP-USH 12_6145-01-03-AMENDMENT_4.02-4.04.DWG
APPRAISAL PLAT DATE : 10/23/2025
PLOT DATE : 10/23/2025 10:51 AM
PLOT BY : ROLLINS, CARLA
PLOT NAME :
PLOT SCALE : 1 IN:50 FT

6145-01-23 4.02A3

TRANSPORTATION PROJECT PLAT NO: 6145-01-23- 4. 02 AMENDMENT NO: 3
EXTENSION SHEET

RELOCATION ORDER: USH 12, WISCONSIN DELLS-BARABOO, PILGRIM DRIVE TO E ADAMS ST, SAUK COUNTY

NOTES:

HORIZONTAL POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM (WISCRS), SAUK COUNTY NAD83 (2007), IN U.S. SURVEY FEET. POSITIONS SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES ARE THE SAME AS GROUND DISTANCES.

NGS REFERENCE POINT DH8469
Y=289324.71
X=638326.39

FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 3 OF DOCUMENT NUMBER 1257288.

SHEET 2 OF 2: COURSE, CURVE, OFFSET AND FOUND MONUMENT TABLES

R/W COURSE TABLE		
POINT	BEARING	DISTANCE
129 - 130	S89°35'22"E	43.00'
130 - 131	S89°35'22"E	30.00'
131 - 132	S00°10'12"W	495.33'
132 - 133	S02°15'09"W	27.52'
133 - 134	S00°10'12"W	9.17'
134 - 135	S89°35'22"E	2.00'
135 - 136	S00°10'12"W	295.83'
136 - 137	SEE CURVE 4	
137 - 138	S01°26'39"W	101.01'
138 - 114	S02°35'31"W	192.32'
114 - 113	N89°59'23"W	35.04'
113 - 112	N89°59'23"W	50.68'
112 - 139	N03°21'47"E	36.28'
139 - 140	N59°36'33"W	10.36'
140 - 141	N05°09'00"E	36.33'
141 - 142	N45°04'28"E	19.69'
142 - 143	N02°29'27"E	112.15'
143 - 144	N01°26'46"E	89.19'
144 - 145	N02°04'05"E	27.89'
145 - 146	N38°45'21"W	27.12'
146 - 147	N08°17'19"E	75.85'
147 - 148	N22°49'17"E	22.61'
148 - 149	N00°27'30"E	57.13'
149 - 150	N00°10'12"E	251.18'
150 - 151	N02°15'09"E	165.11'
151 - 129	N00°10'12"E	411.97'

R/W STATION & OFFSET TABLE		
PT #	STATION	OFFSET
112	617+29.51	50.63' LT
113	617+31.79	0.00'
114	617+33.37	35.00' RT
129	630+54.98	43.00' LT
130	630+54.80	0.00'
131	630+54.67	30.00' RT
132	625+60.49	33.00' RT
133	625+32.97	33.00' RT
134	625+22.60	33.00' RT
135	625+22.59	35.00' RT
136	622+26.90	35.04' RT
137	620+25.99	35.04' RT
138	619+24.98	35.04' RT
139	617+65.78	50.77' LT
140	617+70.61	59.93' LT
141	618+06.90	58.31' LT
142	618+21.42	45.02' LT
143	619+34.48	45.00' LT
144	620+23.67	45.00' LT
145	620+51.56	44.70' LT
146	620+72.27	62.20' LT
147	621+47.82	53.11' LT
148	621+69.00	44.73' LT
149	622+26.58	44.96' LT
150	624+77.94	45.00' LT
151	626+41.45	42.99' LT

PLE COURSE TABLE		
POINT	BEARING	DISTANCE
131 - 503	S00°10'12"W	0.82'
503 - 504	S89°49'48"E	6.00'
504 - 505	S00°10'12"W	10.00'
505 - 506	N89°49'48"W	6.00'
506 - 503	N00°10'12"E	10.00'
506 - 507	S00°10'12"W	309.86'
507 - 508	S89°43'14"E	10.00'
508 - 509	S00°10'12"W	6.00'
509 - 510	N89°43'14"W	10.00'
510 - 507	N00°10'12"E	6.00'
510 - 132	S00°10'12"W	168.65'
135 - 511	S89°35'22"E	4.00'
511 - 512	S00°10'12"W	232.11'
512 -513	N89°49'48"W	4.00'
513 - 135	N00°10'12"E	232.13'
513 - 136	S00°10'12"W	63.70'
136 - 514	SEE CURVE 5	
514 - 515	S88°37'13"E	10.00'
515 - 516	S01°26'46"W	7.06'
516 - 517	S89°39'27"W	10.01'
517 - 514	SEE CURVE 6	
517 - 137	SEE CURVE 18	
137 - 518	S01°26'39"W	35.99'
518 - 519	S88°33'21"E	4.00'
519 - 551	S01°26'39"W	65.06'
551 - 520	S02°35'31"W	107.37'
520 - 521	S87°24'29"E	4.00'
521 - 522	S02°35'31"W	44.05'
522 - 523	N87°24'29"W	4.00'
523 - 500	S02°35'31"W	40.75'
500 - 114	N89°59'23"W	4.00'
114 - 138	N02°35'31"E	192.32'
138 - 518	N01°26'39"E	65.02'

PLE STATION & OFFSET TABLE		
PT #	STATION	OFFSET
500	617+33.55	39.00' RT
503	630+53.86	30.00' RT
504	630+53.86	36.00' RT
505	630+43.86	36.00' RT
506	630+43.86	30.00' RT
507	627+34.00	30.00' RT
508	627+33.98	40.00' RT
509	627+27.98	40.00' RT
510	627+28.00	30.00' RT
511	625+22.58	39.00' RT
512	622+90.46	39.00' RT
513	622+90.46	35.00' RT
514	621+05.75	35.50' RT
515	621+05.76	45.50' RT
516	620+98.70	45.50' RT
517	620+98.38	35.50' RT
518	619+90.00	35.04' RT
519	619+90.00	39.04' RT
520	618+18.35	39.00' RT
521	618+18.35	43.00' RT
522	617+74.29	43.00' RT
523	617+74.29	39.00' RT
551	619+24.94	39.04' RT

TLE STATION & OFFSET TABLE		
PT #	STATION	OFFSET
707	617+28.38	75.62' LT
708	617+34.72	65.00' RT
733	630+54.61	45.00' RT
734	629+41.08	45.00' RT
735	629+41.08	53.64' RT
736	626+72.57	53.13' RT
737	626+72.54	61.79' RT
738	625+22.46	66.00' RT
739	625+22.49	59.00' RT
740	622+26.85	59.04' RT
741	620+26.78	60.35' RT
742	620+26.93	65.04' RT
743	619+24.68	65.04' RT
744	617+64.16	75.77' LT
745	617+96.27	84.42' LT
746	618+05.53	88.19' LT
747	618+16.62	60.97' LT
748	620+38.17	59.57' LT
749	620+71.35	87.61' LT
750	621+38.51	61.88' LT
751	621+36.89	109.39' LT
752	621+47.08	109.71' LT
753	621+48.00	81.28' LT
754	622+02.32	64.36' LT
755	625+32.22	64.03' LT
756	625+32.22	54.00' LT
757	626+59.62	58.00' LT

R/W CURVE TABLE				
CURVE	LONG CHORD BEARING (LCB)	LONG CHORD DISTANCE (LCH)	LENGTH OF CURVE (L)	RADIUS (R)
4	S01°10'15"W	201.54'	201.55'	5768.65'
5	S00°46'30"W	121.79'	121.80'	5768.65'
6	N01°24'59"E	7.37'	7.37'	5768.65'
18	S01°48'45"W	72.39'	72.39'	5768.65'

FOUND MONUMENT INFORMATION SHOWN REPRESENTS TYPE AND LOCATION OF EXISTING MONUMENTS WITHOUT OPINION AS TO THEIR VALIDITY AND USE AS A PROPERTY CORNER.

FOUND MONUMENT TABLE

PT #	Y (NORTHING)	X (EASTING)	DESCRIPTION	PERPENDICULAR DIST. TO EXISTING R/W
61121	282264.581	637118.615	1-1/4" O.D.	2.30' E
61122	282294.072	637084.003	REBAR W/CAP "GROTHMAN & ASSOCIATES	0.13' SE
61123	282263.565	637043.430	1-1/8" O.D.	0.18' SE
61125	282323.478	637068.279	5/8" IRON ROD	0.08' SE
61126	282342.395	637121.783	REBAR W/CAP "GROTHMAN & ASSOCIATES"	0.06' NW
61127	282460.125	637126.669	5/8" IRON ROD	1.77' E
61130	282686.070	637133.159	3/4" REBAR	1.33' NW
61131	282935.874	637137.044	3/4" REBAR	0.36' W
61132	283184.120	637137.816	3/4" REBAR	0.40' W
61134	283581.100	637205.787	5/8" REBAR	0.81' E
61135	282640.506	637199.894	MAG NAIL	2.81' E

TPP NUMBER 6145-01-23 - 4.02 AMENDMENT NO: 3
SHEET 2 790

TRANSPORTATION PROJECT PLAT NO: 6145-01-23- 4.03 AMENDMENT NO: 4

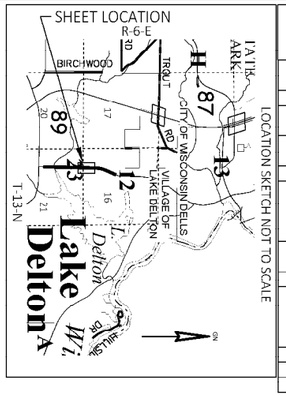
AMENDS UTILITY NUMBER 107 OF TRANSPORTATION PROJECT PLAT NO: 6145-01-23- 4.03 RECORDED AS DOCUMENT NO: 1257396

THAT PART OF LOT 3, CSM #6476 AMENDED BY AFFADIVITS OF CORRECTION DOCUMENTS 1144371 AND 1146581 AND PARTS OF LOTS 1, 2, AND 3, BLOCK 17 AND LOTS 1, 2, 3, 4, 5, 6, AND 7, BLOCK 16 AND LOTS 1, 2, 3, 4, 5, 6 AND 7, BLOCK 9 AND LOTS 1, 2, 3, 4, 5, 6, AND 7, BLOCK 8, AND BLOCK 1, DELLS MANOR UNIT NO. 1, AND PARTS OF VACATED RED BIRD AVENUE AND VACATED USH 12 IN THE SOUTHWEST 1/4 OF THE SOUTHWEST 1/4 , AND LOT 3, CSM #5972 AMENDED BY AFFIDAVIT OF CORRECTION DOCUMENT 1033970 AND PART OF LOT 207, HIAWATHA AT THE DELLS ON LAKE DELTON AND PART OF LOT1, CSM #7401 BEING IN AND INCLUDING PART OF THE SOUTHEAST 1/4 OF THE SOUTHWEST 1/4 ALL IN SECTION 16, TOWNSHIP 13 NORTH, RANGE 6 EAST, VILLAGE OF LAKE DELTON, SAUK COUNTY, WISCONSIN.

RELOCATION ORDER: USH 12, WISCONSIN DELLS-BARABOO, PILGRIM DRIVE TO E ADAMS ST, SAUK COUNTY

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09, AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.



SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANCE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT.

PARCEL NUMBER	OWNER(S)	INTERESTS REQUIRED	R/W REQUIRED (ACRES OR S.F.) NEW	EXISTING	TOTAL	P.L.E.	T.L.E.
			SQ. FT.	SQ. FT.	SQ. FT.	SQ. FT.	SQ. FT.
21	COLOSSUS ENTERTAINMENT, LLC, A WISCONSIN LIMITED LIABILITY COMPANY	FEE, PLE & TLE	2921	---	2921	51	10429
23	IZIK COHEN, AS TO AN UNDIVIDED 50% INTEREST, AND MICHAEL MALKA, AS TO AN UNDIVIDED 50% INTEREST	FEE, PLE & TLE	1291	---	1291	74	3053
24	IAX HOLDINGS, LLC, A WISCONSIN LIMITED LIABILITY COMPANY	FEE, PLE & TLE	1266	---	1266	60	5372
25	ROBERT W. STEINWEG AND BARBARA J. STEINWEG, TRUSTEES, OR THEIR SUCCESSORS IN TRUST, UNDER THE ROBERT W. AND BARBARA J. STEINWEG LIVING TRUST, DATED DECEMBER 8, 2009 AND ANY AMENDMENTS THERETO	FEE & TLE	120	---	120	---	1677
26	STEINWEG & SONS LLC, A WISCONSIN LIMITED LIABILITY CORPORATION	FEE & TLE	668	---	668	---	1516
27	THE 3-OBOIS LLC	FEE & TLE	657	---	657	---	1893
29	CAPITOL CUISINE, LLC, A WISCONSIN LIMITED LIABILITY COMPANY, AS TO AN UNDIVIDED 66.66% INTEREST, AND THE JAMES K. ANDERSON AND PATRICIA A. ANDERSON JOINT REVOCABLE TRUST, AS TO AN UNDIVIDED 33.34% INTEREST, AS TENANTS IN COMMON	FEE, PLE & TLE	1191	---	1191	464	2842
30	SHREE SOMNATH LLC, A WISCONSIN LIMITED LIABILITY COMPANY	FEE, PLE & TLE	812	---	812	295	1820
31	AA800, LLC, A WISCONSIN LIABILITY COMPANY	FEE, PLE & TLE	3181	---	3181	940	9674
45	DELTON PHOENIX, LLC, ANDY WATERMAN, AMY WIMMER	FEE & TLE	1986	1061	3047	---	9412

ALIGNMENT INFORMATION

PI: 633+00.68
Y = 283827.297
X = 637182.329
Δ = 01°08'45" LT

PI: 634+00.70
Y = 283927.302
X = 637180.626
Δ = 01°08'45" RT

PARTIAL CURVE 2
175 TO PC STA 640+72.29

L = 312.21'
R = 1426.70'
LCH = 311.59'
LCB = S06°26'21"W

PARTIAL CURVE 2
175 TO PT STA 646+54.13

L = 269.63'
R = 1426.70'
LCH = 269.23'
LCB = N18°07'21"E

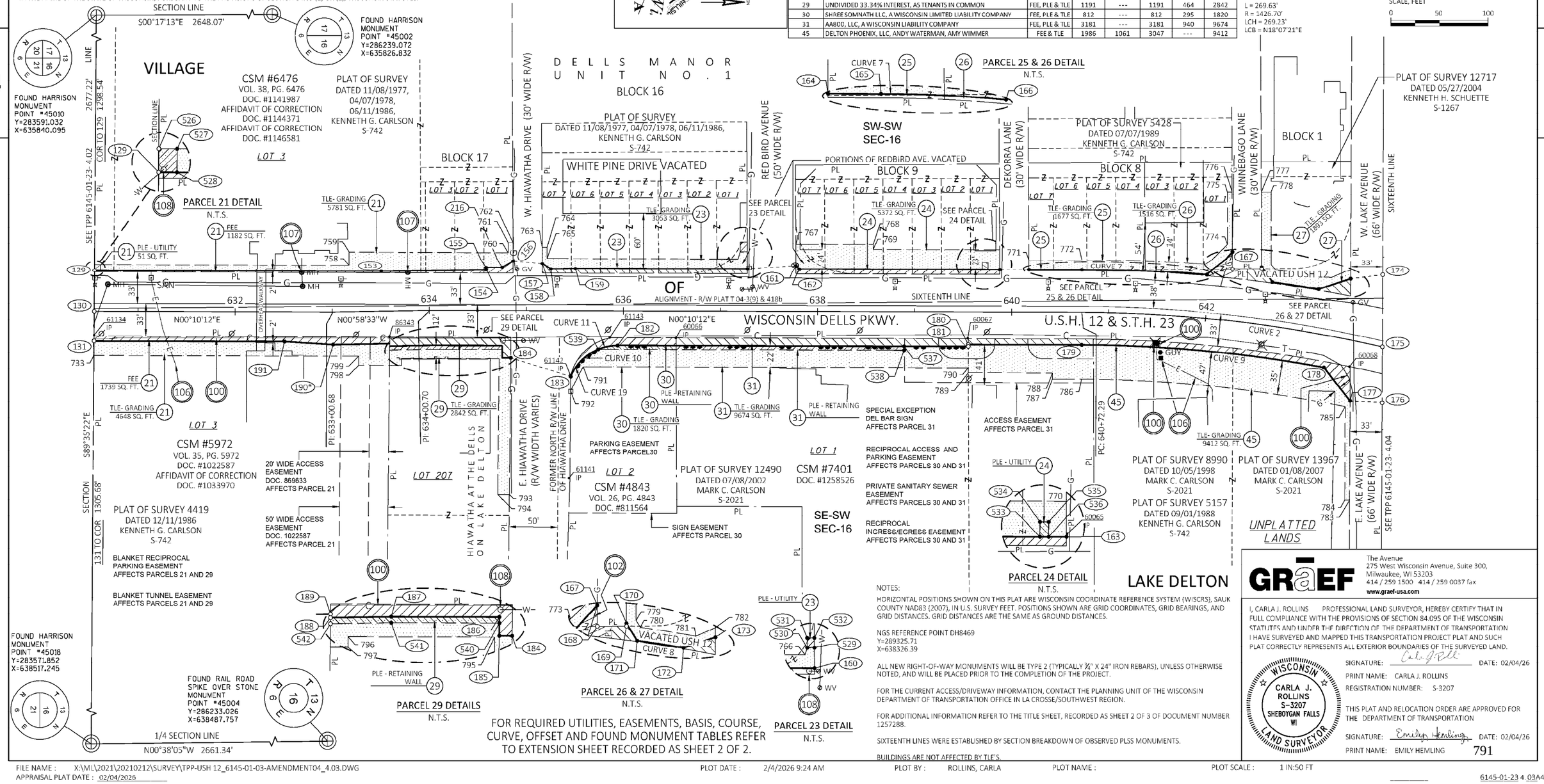
CURVE 2
PI STA = 643+67.31
Y = 284093.911
X = 637183.494
Δ = 23°22'00" RT
D = 4°00'57"
T = 295.02'
L = 581.84'
R = 1426.70'
PC STA = 640+72.29
PT STA = 646+54.13
DD = N00°10'12"E
DA = N23°32'12"E

DOCUMENT #: **1286116**
Recorded: 02-06-2026 at 9:33 AM
BRENT BAILEY
SAUK COUNTY REGISTER OF DEEDS
REGISTRAR'S OFFICE
Sauk Co, WI
RECEIVED FOR RECORD
Fee Amount: $25.00
This document has been filed electronically

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 6145-01-23-4.03
SHEET 1 OF 2
AMENDMENT NO: 4

GN
SCALE, FEET
0 50 100

4



FOR REQUIRED UTILITIES, EASEMENTS, BASIS, COURSE, CURVE, OFFSET AND FOUND MONUMENT TABLES REFER TO EXTENSION SHEET RECORDED AS SHEET 2 OF 2.

NOTES:

HORIZONTAL POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM (WISCRS), SAUK COUNTY NAD83 (2007), IN U.S. SURVEY FEET. POSITIONS SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES ARE THE SAME AS GROUND DISTANCES.

NGS REFERENCE POINT DH8469
Y=289325.71
X=638326.39

ALL NEW RIGHT-OF-WAY MONUMENTS WILL BE TYPE 2 (TYPICALLY ¾" X 24" IRON REBARS), UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

FOR THE CURRENT ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN LA CROSSE/SOUTHWEST REGION.

FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 3 OF DOCUMENT NUMBER 1257288.

SIXTEENTH LINES WERE ESTABLISHED BY SECTION BREAKDOWN OF OBSERVED PLSS MONUMENTS.

BUILDINGS ARE NOT AFFECTED BY TLE'S.

LAKE DELTON

GRÄEF
The Avenue
275 West Wisconsin Avenue, Suite 300,
Milwaukee, WI 53203
414 / 259 1500 414 / 259 0037 fax
www.graef-usa.com

I, CARLA J. ROLLINS PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE DEPARTMENT OF TRANSPORTATION I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN CARLA J. ROLLINS S-3207 SHEBOYGAN FALLS WI LAND SURVEYOR

SIGNATURE: _____ DATE: 02/04/26
PRINT NAME: CARLA J. ROLLINS
REGISTRATION NUMBER: S-3207

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE DEPARTMENT OF TRANSPORTATION

SIGNATURE: _____ DATE: 02/04/26
PRINT NAME: EMILY HEMLING 791

FILE NAME : X:\ML\2021\20210212\SURVEY\TPP-USH 12_6145-01-03-AMENDMENT04_4.03.DWG
PLOT DATE : 2/4/2026 9:24 AM
PLOT BY : ROLLINS, CARLA
PLOT NAME :
PLOT SCALE : 1 IN:50 FT
APPRAISAL PLAT DATE : 02/04/2026

6145-01-23 4.03A4

TRANSPORTATION PROJECT PLAT NO: 6145-01-23- 4. 03 AMENDMENT NO: 4
EXTENSION SHEET

RELOCATION ORDER: USH 12, WISCONSIN DELLS-BARABOO, PILGRIM DRIVE TO E ADAMS ST, SAUK COUNTY

NOTES:

HORIZONTAL POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM (WISCRS), SAUK COUNTY NAD83 (2007), IN U.S. SURVEY FEET. POSITIONS SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES ARE THE SAME AS GROUND DISTANCES.

NGS REFERENCE POINT DH8469
Y=289324.71
X=638326.39

FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 3 OF DOCUMENT NUMBER 1257288.

POINTS WITH AN (*) INDICATE AREAS WHERE SOFTWARE CAN'T CALCULATE STATION AND OFFSET DUE TO INFINITESIMAL DIFFERENCES CREATED BY ANGLE POINTS.

SHEET 2 OF 2: REQUIRED UTILITIES, EASEMENTS, BASIS, COURSE, CURVE, OFFSET AND FOUND MONUMENT TABLES

4

4

R/W COURSE TABLE

POINT	BEARING	DISTANCE
129 - 153	N00°10'12"E	295.40'
153 - 154	N00°58'33"W	108.08'
154 - 155	N90°00'00"W	3.02'
155 - 216	N00°55'23"W	16.50'
216 - 156	N38°41'56"W	14.53'
156 - 157	N06°49'55"E	30.23'
157 - 158	N40°49'18"E	11.69'
158 - 159	N00°58'33"W	25.26'
159 - 160	N00°10'12"E	177.28'
160 - 161	N04°57'24"W	50.17'
161 - 162	N53°41'35"E	5.59'
162 - 163	N00°09'59"E	206.72'
163 - 164	N00°10'11"E	30.00'
164 - 165	N00°10'12"E	54.60'
165 - 166	SEE CURVE 7	
166 - 167	N47°05'22"W	38.56'
167 - 168	N89°44'30"E	21.36'
168 -169	N00°26'05"W	30.00'
169 - 170	S89°44'30"W	2.83'
170 - 171	N57°55'25"E	20.80'
171 - 172	SEE CURVE 8	
172 - 173	N18°18'04"W	34.67'
173 - 174	N07°09'10"W	33.28'
174 - 175	S89°43'45"E	73.89'
175 - 176	S89°43'45"E	57.26'
176 - 177	S03°48'45"W	33.06'
177 - 178	S51°21'30"W	43.20'
178 - 179	SEE CURVE 9	
179 - 180	S00°10'12"W	116.85'
180 - 181	N89°47'32"E	2.00'
181 - 182	S00°10'12"W	361.16'
182 - 183	SEE CURVE 10	
183 - 184	S17°08'52"W	64.59'
184 - 185	S00°10'12"W	8.84'
185 - 186	N89°49'48"W	12.63'
186 - 187	S00°10'12"W	74.24'
187 - 188	S00°58'33"E	41.75'
188 - 189	N89°24'28"W	2.50'
189 - 190*	S00°58'33"E	58.24'
190* - 191	S03°35'42"W	50.19'
191 - 131	S00°10'12"W	196.31'
131 - 130	N89°35'22"W	30.00'
130 - 129	N89°35'22"W	43.00'

R/W STATION & OFFSET TABLE

PT #	STATION	OFFSET
129	630+54.98	43.00' LT
130	630+54.80	0.00'
131	630+54.67	30.00' RT
153	633+51.23	42.00' LT
154	634+58.45	43.16' LT
155	634+58.44	46.19' LT
156	634+86.25	55.62' LT
157	635+16.28	52.11' LT
158	635+25.15	44.49' LT
159	635+50.39	45.00' LT
160	637+27.68	45.00' LT
161	637+77.64	49.48' LT
162	637+80.96	44.99' LT
163	639+87.68	45.00' LT
164	640+17.68	45.00' LT
165	640+72.29	45.00' LT
166	641+97.33	45.00' LT
167	642+19.73	75.69' LT
168	642+22.01	54.46' LT
169	642+50.64	58.21' LT
170	642+50.28	61.01' LT
171	642+63.08	45.00' LT
172	643+09.89	45.00' LT
173	643+39.23	61.60' LT
174	643+69.35	72.24' LT
175	643+84.50	0.00'
176	643+97.33	55.86' RT
177	643+63.26	60.88' RT
178	643+29.13	33.00' RT
179	640+72.25	33.00' RT
180	639+55.39	33.00' RT
181	639+55.41	35.00' RT
182	635+94.24	35.00' RT
183	635+45.91	66.99' RT
184	634+84.14	48.13' RT
185	634+75.29	48.13' RT
186	634+75.29	35.50' RT
187	634+01.05	35.50' RT
188	633+58.59	35.50' RT
189	633+58.66	33.00' RT
190*	633+00.68	33.00' RT
191	632+50.98	30.00' RT
216	634+74.94	46.50' LT

PLE COURSE TABLE

POINT	BEARING	DISTANCE
129 - 526	N89°35'22"W	8.00'
526 - 527	N00°10'30"E	6.30'
527 - 528	S89°49'48"E	8.00'
528 - 129	S00°10'12"W	6.33'
528 - 153	N00°10'12"E	289.07'
160 - 529	S89°42'22"W	21.27'
529 - 530	S00°26'05"E	7.40'
530 - 531	S89°42'22"W	10.00'
531 - 532	N00°26'05"W	7.40'
532 - 529	N89°42'22"E	10.00'
162 - 533	N00°09'59"E	188.48'
533 - 534	N89°49'48"W	10.00'
534 - 535	N00°10'12"E	6.00'
535 - 536	S89°49'48"E	10.00'
536 - 533	S00°09'59"W	6.00'
533 - 163	N00°09'59"E	18.24'
181 - 537	S00°10'12"W	66.05'
537 - 538	S89°49'48"E	4.00'
538 - 539	S00°10'12"W	315.21'
539 - 182	SEE CURVE 11	
182 - 537	N00°10'12"E	295.11'
539 - 183	SEE CURVE 19	
185 - 540	N89°49'48"W	8.63'
540 - 541	S00°10'12"W	74.20'
541 - 542	S00°58'33"E	41.82'
542 - 188	N89°24'28"W	4.00'
188 - 187	N00°58'33"W	41.75'
187 - 186	N00°10'12"E	74.24'
186 - 540	S89°49'48"E	4.00'

PLE STATION & OFFSET TABLE

PT #	STATION	OFFSET
526	630+55.01	51.00' LT
527	630+61.31	51.00' LT
528	630+61.31	43.00'LT
529	637+27.50	66.27' LT
530	637+20.10	66.19' LT
531	637+20.02	76.19' LT
532	637+27.42	76.27' LT
533	639+69.45	45.00' LT
534	639+69.45	55.00' LT
535	639+75.45	55.00' LT
536	639+75.45	45.00' LT
537	638+89.35	35.00' RT
538	638+89.35	39.00' RT
539	635+74.14	39.00' RT
540	634+75.29	39.50' RT
541	634+01.09	39.50' RT
542	633+58.49	39.50' RT

TLE STATION & OFFSET TABLE

PT #	STATION	OFFSET
733	633+54.61	45.00' RT
758	633+18.33	50.66' LT
759	633+18.65	66.46' LT
760	634+81.18	64.55' LT
761	634+81.10	75.15' LT
762	634+86.10	75.14' LT
763	635+16.14	70.09' LT
764	635+21.14	70.02' LT
765	635+21.23	59.00' LT
766	637+17.93	59.00' LT
767	637+77.44	74.00' LT
768	638+57.10	74.00' LT
769	638+57.10	69.00' LT
770	639+87.49	69.00' LT
771	640+17.57	59.00' LT
772	640+72.29	59.00' LT
773	641+94.76	59.00' LT
774	642+14.25	82.61' LT
775	642+09.02	135.97' LT
776	642+13.56	136.49' LT
777	642+40.76	139.63' LT
778	642+49.79	140.92' LT
779	642+59.40	65.19' LT
780	642+64.35	59.00' LT
781	643+20.04	59.00' LT
782	643+37.51	71.23' LT
783	643+86.26	160.30' RT
784	643+80.75	161.37' RT
785	643+59.43	67.99' RT
786	640+72.25	68.00' RT
787	640+42.20	68.00' RT
788	640+42.20	62.00' RT
789	639+55.58	62.00' RT
790	639+55.55	57.00' RT
791	635+58.77	57.00' RT
792	635+45.85	81.36' RT
793	634+83.11	187.38' RT
794	634+71.11	187.29' RT
795	634+72.13	49.00' RT
796	633+70.44	48.41' RT
797	633+70.28	55.68' RT
798	633+26.29	54.73' RT
799	633+26.49	45.53' RT

(100) FRONTIER NORTH INC. DBA FRONTIER COMMUNICATIONS OF WI LLC
NO EASEMENT OF RECORD PROVIDED
AFFECTS PARCELS 21, 29 AND 45

(100) UTILITY EASEMENT VERIZON
DOC. 825141
NO FACILITY OBSERVED
AFFECTS PARCEL 30

(102) GAS MAIN AND PIPE EASEMENT
ALLIANT ENERGY - GAS
DOC. 825141
NO FACILITY OBSERVED
AFFECTS PARCEL 30

(102) ALLIANT ENERGY - GAS
NO EASEMENT OF RECORD PROVIDED
AFFECTS PARCEL 26

(106) OVERHEAD AND UNDERGROUND ELECTRIC EASEMENT
ALLIANT ENERGY - ELECTRIC
DOC. 825141
NO FACILITY OBSERVED
AFFECTS PARCEL 30

(106) ALLIANT ENERGY - ELECTRIC
NO EASEMENT OF RECORD PROVIDED
AFFECTS PARCELS 21 AND 45

(107) UTILITY EASEMENT
VILLAGE OF LAKE DELTON - SANITARY SEWER
DOC. 353304
NO FACILITY OBSERVED
AFFECTS PARCEL 21

(107) UTILITY EASEMENT
VILLAGE OF LAKE DELTON - SANITARY SEWER
DOC. 326726
NO FACILITY OBSERVED
AFFECTS PARCEL 29

(107) UTILITY EASEMENT
VILLAGE OF LAKE DELTON - SANITARY SEWER
DOC. 326727
AFFECTS PARCEL 21

(107) UTILITY EASEMENT
VILLAGE OF LAKE DELTON - SANITARY SEWER
DOC. 647477
AFFECTS PARCEL 21

(107) UTILITY EASEMENT
VILLAGE OF LAKE DELTON - SANITARY SEWER
DOC. 811564
NO FACILITY OBSERVED
AFFECTS PARCELS 30 AND 31

(108) UTILITY EASEMENT
VILLAGE OF LAKE DELTON - WATER
DOC. 326726
AFFECTS PARCEL 29

(108) UTILITY EASEMENT
VILLAGE OF LAKE DELTON - WATER
DOC. 326727
AFFECTS PARCEL 21

(108) FIRE HYDRANT EASEMENT
VILLAGE OF LAKE DELTON - WATER
DOC. 599558
AFFECTS PARCEL 29

(108) VILLAGE OF LAKE DELTON - WATER
NO EASEMENT OF RECORD PROVIDED
AFFECTS PARCELS 23 AND 29

(110) UTILITY EASEMENT
AT&T WISCONSIN
DOC. 172747
NO FACILITY OBSERVED
AFFECTS PARCEL 21

R/W CURVE TABLE

CURVE	LONG CHORD BEARING (LCB)	LONG CHORD DISTANCE (LCH)	LENGTH OF CURVE (L)	RADIUS (R)
7	N02°40'54"E	128.94'	128.98'	1470.56'
8	N08°46'19"E	48.28'	48.28'	1471.70'
9	S05°19'32"W	250.60'	250.94'	1394.22'
10	S33°19'53"E	57.96'	61.39'	52.50'
11	N11°05'07"W	20.49'	20.63'	52.50'
19	S44°35'12"E	39.75'	40.77'	52.50'

FOUND MONUMENT INFORMATION SHOWN REPRESENTS TYPE AND LOCATION OF EXISTING MONUMENTS WITHOUT OPINION AS TO THEIR VALIDITY AND USE AS A PROPERTY CORNER.

FOUND MONUMENT TABLE

PT #	Y (NORTHING)	X (EASTING)	DESCRIPTION	PERPENDICULAR DIST. TO EXISTING R/W
60065	284514.907	637135.316	1" REBAR	0.50' S
60066	284180.598	637208.565	5/8" REBAR	0.19' W
60067	284481.368	637208.887	1-1/2" O.D.	0.38' E
60068	284874.607	637237.870	5/8" REBAR	0.02' SE
61134	283581.100	637205.787	5/8" REBAR	0.81' E
61141	284070.662	637351.396	5/8" REBAR	0.91' N
61142	284071.825	637246.357	1" O.D.	0.67' NE
61143	284112.441	637208.109	5/8" REBAR	0.47' NE
86343	283885.641	637206.970	3/4 " REBAR	0.53' E

BASIS OF EXISTING RIGHT-OF-WAY AND ACCESS CONTROL

HIGHWAY	BASIS
U.S.H. 12/S.T.H. 23/ WISCONSIN DELLS PARKWAY	ROW PLAT 418b 08/30/1928
	ROW PLAT T 04-3 (9) REV. 03/14/1996
	DOC. 346404
	DOC. 350541
	DOC. 352440
	RESTRICTED ACCESS CSM #4843
W. HIAWATHA DRIVE	DELLS MANOR UNIT NO.1
E. HIAWATHA DRIVE	HIAWATHA AT THE DELLS ON LAKE DELTON
	CSM #4843
RED BIRD AVENUE	DELLS MANOR UNIT NO.1
	DOC. 326907
DEKORRA LANE	DELLS MANOR UNIT NO.1
WINNEBAGO LANE	DELLS MANOR UNIT NO.1
	DOC. 350541
	DOC. 374113
W. LAKE AVENUE	DELLS MANOR UNIT NO.1
E. LAKE AVENUE	CSM #6151

UTILITY INTERESTS REQUIRED

UTILITY NUMBER	OWNER(S)	INTEREST REQUIRED
100	FRONTIER NORTH INC. DBA FRONTIER COMMUNICATIONS OF WI LLC	ROR
102	ALLIANT ENERGY - GAS	ROR
106	ALLIANT ENERGY - ELECTRIC	ROR
107	VILLAGE OF LAKE DELTON - SANITARY SEWER	ROR
108	VILLAGE OF LAKE DELTON - WATER	ROR
110	AT&T WISCONSIN	ROR

TPP NUMBER 6145-01-23 - 4.03 AMENDMENT NO: 4
SHEET 2 792

FILE NAME : X:\M\L\2021\20210212\SURVEY\TPP-USH 12_6145-01-03-AMENDMENT04_4.03.DWG
APPRAISAL PLAT DATE : 02/04/2026
PLOT DATE : 2/4/2026 9:24 AM
PLOT BY : ROLLINS, CARLA
PLOT NAME :
PLOT SCALE :

6145-01-23 4.03A4

TRANSPORTATION PROJECT PLAT NO: 6145-01-23- 4. 04 AMENDMENT NO: 2

ADDS UTILITY NUMBER 102 OF TRANSPORTATION PROJECT PLAT NO: 6145-01-23 - 4.04 AMENDMENT NO: 1 RECORDED AS DOCUMENT NO: 1262411 AND ADDS UTILITY NUMBER 102 AND AMENDS UTILITY NUMBER 106 OF TRANSPORTATION PROJECT PLAT NO: 6145-01-23- 4.04 RECORDED AS DOCUMENT NO: 1257355

THOSE PARTS OF LOTS 4, 5,AND 6, BLOCK 15 AND THAT PART OF VACATED WINNEBAGO STREET AND LOTS 7, 8, 9, AND 10, BLOCK 10 AND THAT PART OF VACATED RIDGEWOOD STREET AND LOTS 9, 10, 11, AND 12, BLOCK 9 AND THAT PART OF VACATED DEER TRAIL AND LOTS 12, 13, 14, AND 15, BLOCK 4, AND LOT 7, BLOCK 3 ALL IN KINGLSEY'S SUBDIVISION AND PARTS OF LOTS 1, 2, AND 3, CSM #6151 BEING IN AND INCLUDING PARTS OF THE NORTHEAST 1/4 OF THE SOUTHWEST 1/4 AND THAT PART OF LOT 6, BLOCK 15, KINGSLEY'S SUBDIVISION BEING IN THE NORTHWEST 1/4 OF THE SOUTHWEST 1/4 ALL IN SECTION 16, TOWNSHIP 13 NORTH, RANGE 6 EAST, VILLAGE OF LAKE DELTON, SAUK COUNTY, WISCONSIN.

RELOCATION ORDER: USH 12, WISCONSIN DELLS-BARABOO, PILGRIM DRIVE TO E ADAMS ST, SAUK COUNTY

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09, AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

DOCUMENT #: **1282091**
Recorded: 10-24-2023 at 8:41 AM
BRENT BAILEY
SAUK COUNTY REGISTER OF DEEDS
REGISTRAR'S OFFICE
Sauk Co, WI
RECEIVED FOR RECORD
Fee Amount: $25.00
This document has been filed electronically

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 6145-01-23-4.04
SHEET 1 OF 2
AMENDMENT NO: 2

SCALE, FEET 0 50 100

GN

FOUND HARRISON MONUMENT POINT #45010 Y=283591.032 X=635840.095

SECTION LINE S00°17'13"E 2648.07'

FOUND HARRISON MONUMENT POINT #45002 Y=286239.072 X=635826.832

NOTES:
HORIZONTAL POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM (WISCRS), SAUK COUNTY NAD83 (2007), IN U.S. SURVEY FEET. POSITIONS SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES ARE THE SAME AS GROUND DISTANCES.

NGS REFERENCE POINT DH8469
Y=289324.71
X=638326.39

ALL NEW RIGHT-OF-WAY MONUMENTS WILL BE TYPE 2 (TYPICALLY ¾" X 24" IRON REBARS), UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

FOR THE CURRENT ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN LA CROSSE/SOUTHWEST REGION.

FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 3 OF DOCUMENT NUMBER 1257288.

SIXTEENTH LINES WERE ESTABLISHED BY SECTION BREAKDOWN OF OBSERVED PLSS MONUMENTS.

BUILDINGS ARE NOT AFFECTED BY TLE'S.

SCHEDULE OF OFF PREMISE SIGN STRUCTURES		
SIGN NUMBER	SIGN OWNER	OASIS NUMBER
32-1	SIGN OF UNKNOWN ORIGIN FESTIVAL FUN PARKS, A DELAWARE LIMITED LIABILITY COMPANY	N/A

ALIGNMENT INFORMATION

CURVE 3
PI STA = 657+63.14
Y = 285181.134
X = 637744.174
Δ = 22°30'00" LT
D = 4°26'37"
T = 256.47'
L = 506.34'
R = 1289.38'
PC STA = 655+06.67
PT STA = 660+13.01
DB = N23°32'12"E
DA = N01°02'12"E

PARTIAL CURVE 3
193 TO PC STA 655+06.67

L = 302.35'
R = 1289.38'
LCH = 301.66'
LCB = S16°49'08"W

PARTIAL CURVE 3
193 TO PT STA 660+13.01

L = 203.99'
R = 1289.38'
LCH = 203.78'
LCB = N05°34'08"E

ALIGNMENT INFORMATION

CURVE 2
PI STA = 643+67.31
Y = 284893.911
X = 637183.494
Δ = 23°22'00" RT
D = 4°00'57"
T = 295.02'
L = 581.84'
R = 1426.70'
PC STA = 640+72.29
PT STA = 646+54.13
DB = N00°10'12"E
DA = N23°32'12"E

PARTIAL CURVE 2
175 TO PC STA 640+72.29

L = 312.21'
R = 1426.70'
LCH = 311.59'
LCB = S06°26'21"W

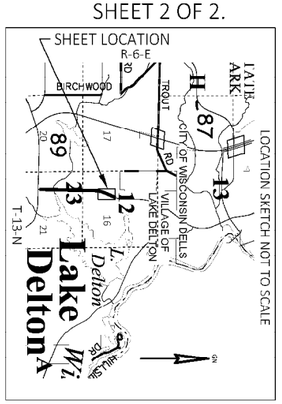
PARTIAL CURVE 2
175 TO PT STA 646+54.13

L = 269.63'
R = 1426.70'
LCH = 269.23'
LCB = N18°07'21"E

UTILITY INTERESTS REQUIRED		
UTILITY NUMBER	OWNER(S)	INTEREST REQUIRED
100	FRONTIER NORTH INC. DBA FRONTIER COMMUNICATIONS OF WI LLC	ROR
102	ALLIANT ENERGY - GAS	ROR
106	ALLIANT ENERGY - ELECTRIC	ROR
107	VILLAGE OF LAKE DELTON - SANITARY SEWER	ROR
108	VILLAGE OF LAKE DELTON - WATER	ROR
110	AT&T WISCONSIN	ROR

FOR EASEMENTS, BASIS, COURSE, CURVE, OFFSET AND FOUND MONUMENT TABLES REFER TO EXTENSION SHEET RECORDED AS SHEET 2 OF 2.

SHEET LOCATION R-6-E



GRÄEF
The Avenue
275 West Wisconsin Avenue, Suite 300,
Milwaukee, WI 53203
414 / 259 1500 414 / 259 0037 fax
www.graef-usa.com

I, CARLA J. ROLLINS PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE DEPARTMENT OF TRANSPORTATION I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN CARLA J. ROLLINS S-3207 SHEBOYGAN, WI LAND SURVEYOR

SIGNATURE: _____ DATE: 10/23/25
PRINT NAME: CARLA J. ROLLINS
REGISTRATION NUMBER: S-3207

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE DEPARTMENT OF TRANSPORTATION

SIGNATURE: _____ DATE: 10/23/25
PRINT NAME: Emily Hemling

SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT.

PARCEL NUMBER	OWNER(S)	INTERESTS REQUIRED	R/W REQUIRED (ACRES OR S.F.) NEW SQ. FT.	EXISTING SQ. FT.	TOTAL SQ. FT.	P.L.E. SQ. FT.	T.L.E. SQ. FT.
32	FESTIVAL FUN PARKS, A DELAWARE LIMITED LIABILITY COMPANY SIGN OF UNKNOWN ORIGIN	FEE, PLE & TLE	6860	30864	37724	120	29375
34	HERCULES ENTERTAINMENT, LLC	FEE & TLE	2315	---	2315	---	5264
35	VENDOR: HERCULES ENTERTAINMENT, LLC. VENDEE: CAROUSEL PROPERTIES, LLC, CAROUSEL INN & SUITES, LLC, AND CHT RENTAL, LLC	FEE & TLE	1798	---	1798	---	8201
36	GERALD L KIMBALL, DIVORCED AND NOT REMARRIED	FEE & TLE	433	---	433	---	1458
37	PINE DELL, LLC	FEE & TLE	999	---	999	---	3163
38	MYTHOS, LLC, A WISCONSIN LIMITED LIABILITY COMPANY	FEE & TLE	588	---	588	---	3372
39	STARB, LLC	FEE & TLE	2119	1080	3199	---	7965
40	NATTER-THOMPSON, INC.	FEE & TLE	665	---	665	---	2422
41	BIG TIME REALITY, LLC, A WISCONSIN LIMITED LIABILITY COMPANY	FEE & TLE	1464	3889	5353	---	3488
44	CRETE, LLC, A WISCONSIN LIMITED LIABILITY COMPANY	FEE & TLE	2003	9722	11725	---	11368

FILE NAME : X:\ML\2021\20210212\SURVEY\TPP-USH 12_6145-01-03-AMENDMENT_4.02-4.04.DWG
PLOT DATE : 10/23/2025 10:42 AM
PLOT BY : ROLLINS, CARLA
PLOT NAME :
PLOT SCALE : 1 IN:50 FT
APPRAISAL PLAT DATE : 10/23/2025

6145-01-23 4.04A2

4 4

TRANSPORTATION PROJECT PLAT NO: 6145-01-23- 4. 04 AMENDMENT NO: 2
EXTENSION SHEET

RELOCATION ORDER: USH 12, WISCONSIN DELLS-BARABOO, PILGRIM DRIVE TO E ADAMS ST, SAUK COUNTY

NOTES:

HORIZONTAL POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM (WISCRS), SAUK COUNTY NAD83 (2007), IN U.S. SURVEY FEET. POSITIONS SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES ARE THE SAME AS GROUND DISTANCES.

NGS REFERENCE POINT DH8469
Y=289324.71
X=638326.39

FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 3 OF DOCUMENT NUMBER 1257288.

SHEET 2 OF 2: EASEMENTS, BASIS, COURSE, CURVE, OFFSET AND FOUND MONUMENT TABLES

4

4

R/W COURSE TABLE

POINT	BEARING	DISTANCE
192 - 193	S89°52'11"E	53.52'
193 - 194	S89°52'11"E	33.49'
194 - 195	SEE CURVE 12	
195 - 196	S23°32'12"W	852.54'
196 - 197	SEE CURVE 13	
197 - 198	S34°00'03"E	49.66'
198 - 199	N89°43'45"W	21.36'
199 - 176	S03°48'45"W	33.06'
176 - 175	N89°43'45"W	57.26'
175 - 174	N89°43'45"W	73.89'
174 - 200	N07°09'10"W	33.28'
200 - 201	N60°28'11"E	53.15'
201 - 202	SEE CURVE 14	
202 - 203	N23°32'12"E	274.91'
203 - 204	N16°06'43"W	25.19'
204 - 205	N33°28'24"E	57.27'
205 - 206	SEE CURVE 15	
206 - 212	N23°32'12"E	312.67'
212 - 213	N34°13'18"E	10.79'
213 - 214	N23°32'12"E	14.30'
214 - 215	N12°13'36"E	10.20'
215 - 207	N23°32'12"E	85.18'
207 - 208	SEE CURVE 16	
208 - 209	N28°37'15"W	39.45'
209 - 210	N79°53'59"W	29.38'
210 - 211	N51°19'46"E	99.01'
211 - 192	SEE CURVE 17	

R/W STATION & OFFSET TABLE

PT #	STATION	OFFSET
174	643+69.35	72.24' LT
175	643+84.50	0.00'
176	643+97.33	55.86' RT
192	657+99.35	52.68' LT
193	658+09.02	0.00'
194	658+14.67	33.00' RT
195	655+06.67	33.00' RT
196	646+54.13	33.00' RT
197	644+70.18	33.00' RT
198	644+36.69	70.75' RT
199	644+31.14	50.07' RT
200	643+99.03	83.54' LT
201	644+34.06	45.00' LT
202	646+54.13	45.00' LT
203	649+29.04	45.00' LT
204	649+48.43	61.07' LT
205	650+04.85	51.19' LT
206	650+19.10	45.00' LT
207	654+51.85	45.00' LT
208	655+85.23	48.66' LT
209	656+12.97	78.00' LT
210	656+08.12	107.04' LT
211	656+95.34	51.29' LT
212	653+31.77	45.00' LT
213	653+42.37	43.00' LT
214	653+56.67	43.00' LT
215	653+66.67	45.00' LT

PLE COURSE TABLE

POINT	BEARING	DISTANCE
195 - 543	S23°32'12"W	217.16'
543 - 544	S66°27'48"E	10.00'
544 - 545	S23°32'12"W	6.00'
545 - 546	N66°27'48"W	10.00'
546 - 543	N23°32'12"E	6.00'
546 - 196	S23°32'12"W	629.37'
195 - 547	S23°32'12"W	682.93'
547 - 548	S66°27'48"E	10.00'
548 - 549	S23°32'12"W	6.00'
549 - 550	N66°27'48"W	10.00'
550 - 547	N23°32'12"E	6.00'
550 - 196	S23°32'12"W	163.61'

PLE STATION & OFFSET TABLE

PT #	STATION	OFFSET
543	652+89.51	33.00' RT
544	652+89.51	43.00' RT
545	652+83.51	43.00' RT
546	652+83.51	33.00' RT
547	648+23.74	33.00' RT
548	648+23.74	43.00' RT
549	648+17.74	43.00' RT
550	648+17.74	33.00' RT

TLE STATION & OFFSET TABLE

PT #	STATION	OFFSET
800	658+20.47	68.65' RT
801	657+13.77	69.92' RT
802	656+07.22	72.11' RT
803	655+08.15	72.00' RT
804	652+50.30	72.00' RT
805	652+50.30	97.00' RT
806	651+94.56	97.00' RT
807	651+94.56	67.00' RT
808	649+57.63	67.00' RT
809	649+57.72	52.04' RT
810	646+54.13	52.00' RT
811	646+43.76	52.00' RT
812	646+43.72	57.00' RT
813	645+61.38	57.00' RT
814	645+61.38	52.00' RT
815	644+66.77	52.00' RT
816	644+49.49	96.80' RT
817	644+66.78	154.06' RT
818	644+61.38	155.41' RT
819	643+96.90	93.34' LT
820	644+26.97	59.78' LT
821	645+43.14	58.54' LT
822	645+43.23	68.54' LT
823	645+96.92	69.06' LT
824	646+62.80	69.00' LT
825	646+77.31	69.00' LT
826	646+72.98	79.00' LT
827	648+18.02	70.00' LT
828	648+18.91	83.46' LT
829	648+85.91	83.58' LT

TLE STATION & OFFSET TABLE

PT #	STATION	OFFSET
830	648+85.95	59.00' LT
831	649+30.26	59.00' LT
832	649+40.81	67.74' LT
833	649+35.54	82.80' LT
834	649+40.26	84.45' LT
835	649+90.76	91.53' LT
836	649+95.52	93.19' LT
837	650+05.70	63.97' LT
838	650+71.34	63.97' LT
839	650+72.57	58.57' LT
840	651+18.63	58.97' LT
841	651+18.62	73.97' LT
842	651+75.84	73.98' LT
843	651+75.85	58.98' LT
844	652+36.41	58.98' LT
845	652+28.41	78.98' LT
846	653+26.79	78.99' LT
847	653+33.28	63.99' LT
848	655+06.74	64.00' LT
849	655+52.26	66.03' LT
850	655+86.76	96.66' LT
851	655+50.88	181.62' LT
852	655+74.88	189.47' LT
853	656+88.61	74.90' LT
854	657+94.76	76.23' LT
855	643+75.92	197.55' LT
856	643+80.20	198.60' LT
857	643+82.08	188.83' LT
858	643+77.77	187.77' LT

(100) FRONTIER NORTH INC. DBA FRONTIER COMMUNICATIONS OF WI LLC
NO EASEMENT OF RECORD PROVIDED
AFFECTS PARCELS 32 AND 41

(102) ALLIANT ENERGY - GAS
NO EASEMENT OF RECORD PROVIDED
AFFECTS PARCELS 39 AND 44

(106) UTILITY EASEMENT
ALLIANT ENERGY - ELECTRIC
DOC. 218142
AFFECTS PARCEL 34

(106) UTILITY EASEMENT
ALLIANT ENERGY - ELECTRIC
DOC. 218142
NO FACILITY OBSERVED
AFFECTS PARCELS 36, 37, 38 AND 39

(106) UNDERGROUND ELECTRIC EASEMENT
ALLIANT ENERGY - ELECTRIC
DOC. 1052361
NO FACILITY OBSERVED
AFFECTS PARCEL 39

(106) ALLIANT ENERGY - ELECTRIC
NO EASEMENT OF RECORD PROVIDED
AFFECTS PARCEL 32

(107) UTILITY EASEMENT
VILLAGE OF LAKE DELTON - SANITARY SEWER
DOC. 452298
NO FACILITY OBSERVED
AFFECTS PARCEL 34

(107) UTILITY EASEMENT
VILLAGE OF LAKE DELTON - SANITARY SEWER
DOC. 425297
NO FACILITY OBSERVED
AFFECTS PARCEL 34

(107) UTILITY EASEMENT
VILLAGE OF LAKE DELTON - SANITARY SEWER
DOC. 326748
NO FACILITY OBSERVED PARCEL 34
AFFECTS PARCELS 34, 36, 37, 38, 39 AND 40

(107) UTILITY EASEMENT
VILLAGE OF LAKE DELTON - SANITARY SEWER
DOC. 365169
AFFECTS PARCEL 32

(107) UTILITY EASEMENT
VILLAGE OF LAKE DELTON - SANITARY SEWER
DOC. 366409
AFFECTS PARCEL 44

(107) VILLAGE OF LAKE DELTON - SANITARY SEWER
NO EASEMENT OF RECORD PROVIDED
AFFECTS PARCEL 32

(108) UTILITY EASEMENT
VILLAGE OF LAKE DELTON - WATER
DOC. 452998
NO FACILITY OBSERVED
AFFECTS PARCEL 34

(108) UTILITY EASEMENT
VILLAGE OF LAKE DELTON - WATER
DOC. 425297
NO FACILITY OBSERVED
AFFECTS PARCEL 34

(108) UTILITY EASEMENT
VILLAGE OF LAKE DELTON - WATER
DOC. 366409
NO FACILITY OBSERVED
AFFECTS PARCEL 44

(108) UTILITY EASEMENT
VILLAGE OF LAKE DELTON - WATER
DOC. 365169
NO FACILITY OBSERVED
AFFECTS PARCEL 32

(108) VILLAGE OF LAKE DELTON - WATER
NO EASEMENT OF RECORD PROVIDED
AFFECTS PARCEL 32

(110) UTILITY EASEMENT
AT&T WISCONSIN
DOC. 172748
NO FACILITY OBSERVED
AFFECTS PARCELS 34, 36, 37, 38, 39 AND 41

R/W CURVE TABLE

CURVE	LONG CHORD BEARING (LCB)	LONG CHORD DISTANCE (LCH)	LENGTH OF CURVE (L)	RADIUS (R)
12	S16°41'36"W	315.14'	315.89'	1322.38'
13	S19°50'35"W	179.57'	179.70'	1393.70'
14	N19°07'03"E	226.79'	227.01'	1471.70'
15	N47°00'45"E	15.54'	15.98'	19.50'
16	N20°55'03"E	130.51'	130.55'	1428.00'
17	N12°02'54"E	99.80'	99.82'	1428.00'

FOUND MONUMENT INFORMATION SHOWN REPRESENTS TYPE AND LOCATION OF EXISTING MONUMENTS WITHOUT OPINION AS TO THEIR VALIDITY AND USE AS A PROPERTY CORNER.

FOUND MONUMENT TABLE

PT #	Y (NORTHING)	X (EASTING)	DESCRIPTION	PERPENDICULAR DIST. TO EXISTING R/W
60041	285963.060	637605.599	5/8" REBAR	0.97' SE
60042	285720.919	637500.267	5/8" REBAR	0.83' SE
60043	284940.229	637185.359	CHISELED CROSS	2.23' NW - 0.83' NE
60044	285089.521	637301.332	5/8" REBAR	1.24' NW
60045	285153.585	637325.988	1-1/2" O.D. AT GRADE	0.06' SE
60046	286028.341	637699.145	5/8" REBAR	0.06' NW
60079	286234.913	637756.464	5/8" REBAR	0.13' NW

BASIS OF EXISTING RIGHT-OF-WAY

HIGHWAY	BASIS
U.S.H. 12/S.T.H. 23/ WISCONSIN DELLS PARKWAY	ROW PLAT 418b 08/30/1928
	ROW PLAT T 04-3 (9) REV. 03/14/1996
W. LAKE AVENUE	KINGSLEY'S SUBDIVISION
	DELLS MANOR UNIT NO.1
E. LAKE AVENUE	CSM #6151
	CSM #2367
WINNEBAGO ST.	KINGSLEY'S SUBDIVISION
	DOC. 450668
	DOC. 452296
RIDGEWOOD ST.	KINGSLEY'S SUBDIVISION
	DOC. 295057
PILGRIM DRIVE	KINGSLEY'S SUBDIVISION
DEER TRAIL	KINGSLEY'S SUBDIVISION
	DOC. 280989

TPP NUMBER 6145-01-23 - 4.04 AMENDMENT NO. 2
SHEET 2 794

FILE NAME : X:\ML\2021\20210212\SURVEY\TPP-USH 12_6145-01-03-AMENDMENT_4.02-4.04.DWG
APPRAISAL PLAT DATE : 10/23/2025
PLOT DATE : 10/23/2025 10:41 AM
PLOT BY : ROLLINS, CARLA
PLOT NAME :
PLOT SCALE :
6145-01-23 4.04A2

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
TRANSPORTATION PROJECT PLAT TITLE SHEET
6145-01-22
WISCONSIN DELLS - BARABOO
CTH A TO PILGRIM DRIVE
USH 12
SAUK COUNTY



CONVENTIONAL SYMBOLS

SECTION LINE
QUARTER LINE
SIXTEENTH LINE
NEW REFERENCE LINE
NEW R/W LINE
EXISTING R/W OR HE LINE
PROPERTY LINE
LOT, TIE & OTHER MINOR LINES
SLOPE INTERCEPT
CORPORATE LIMITS
UNDERGROUND FACILITY (COMMUNICATIONS, ELECTRIC, ETC)
NEW R/W (FEE OR HE) (HATCHING VARIES BY OWNER)
TEMPORARY LIMITED EASEMENT AREA
EASEMENT AREA (PERMANENT LIMITED OR RESTRICTED DEVELOPMENT)
TRANSMISSION STRUCTURES
BUILDING
TO BE REMOVED
BRIDGE
CULVERT

SECTION CORNER SYMBOL
SECTION CORNER MONUMENT
GEODETIC SURVEY MONUMENT
SIXTEENTH CORNER MONUMENT
SIGN
OFF-PREMISE SIGN

R/W MONUMENT (TO BE SET)
NON-MONUMENTED R/W POINT
FOUND IRON PIN (1-INCH UNLESS NOTED)

	COMPENSABLE	NON-COMPENSABLE
ELECTRIC POLE		
TELEPHONE POLE		
PEDESTAL (LABEL TYPE) (TV, TEL, ELEC, ETC.)		

ACCESS RESTRICTED BY ACQUISITION
NO ACCESS (BY STATUTORY AUTHORITY)
ACCESS RESTRICTED (BY PREVIOUS PROJECT OR CONTROL)
NO ACCESS (NEW HIGHWAY)

PARCEL NUMBER 25
UTILITY NUMBER 40
PARALLEL OFFSETS

CONVENTIONAL ABBREVIATIONS

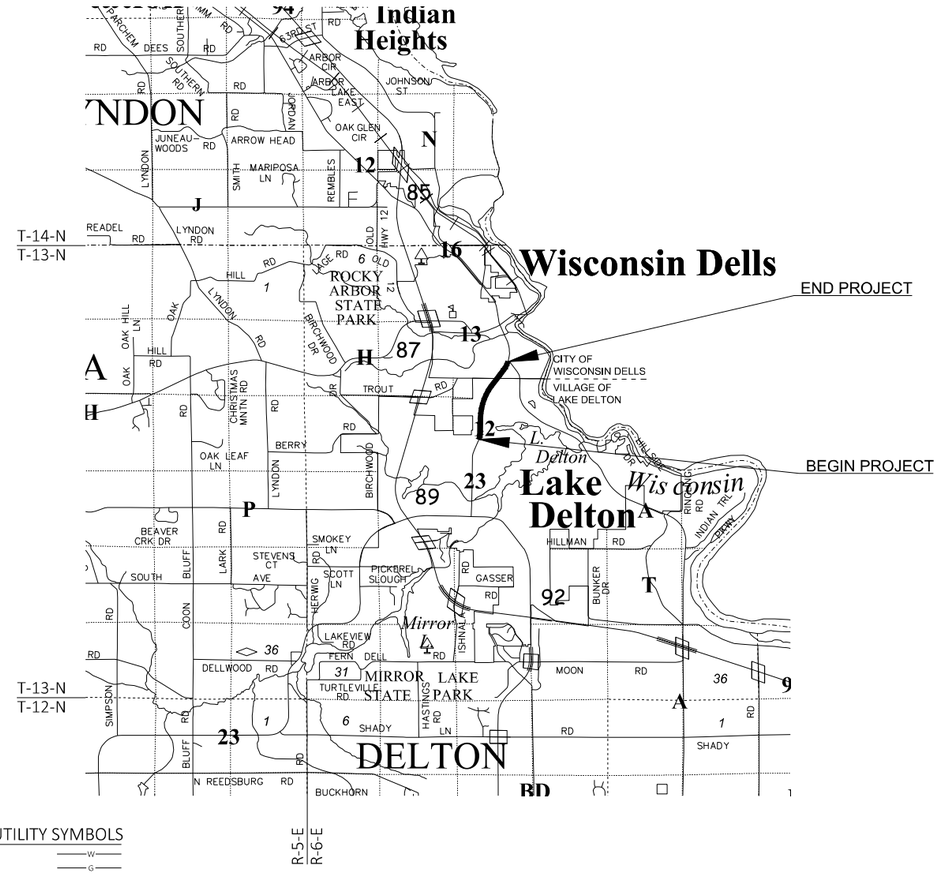
ACCESS RIGHTS	AR	POINT OF COMPOUND CURVE	PCC
ACRES	AC	POINT OF INTERSECTION	PI
AHEAD	AH	PROPERTY LINE	PL
ALUMINUM	ALUM	RECORDED AS	(100')
AND OTHERS	ET AL	REEL / IMAGE	R/I
BACK	BK	REFERENCE LINE	R/L
BLOCK	BLK	REMAINING	REM
CENTERLINE	C/L	RESTRICTIVE DEVELOPMENT EASEMENT	RDE
CERTIFIED SURVEY MAP	CSM	RIGHT	RT
CONCRETE	CONC	RIGHT OF WAY	R/W
COUNTY	CO	SECTION	SEC
COUNTY TRUNK HIGHWAY	CTH	SEPTIC VENT	SEPV
DISTANCE	DIST	SQUARE FEET	SF
CORNER	COR	STATE TRUNK HIGHWAY	STH
DOCUMENT NUMBER	DOC	STATION	STA
EASEMENT	EASE	TELEPHONE PEDESTAL	TP
EXISTING	EX	TEMPORARY LIMITED EASEMENT	TLE
GAS VALVE	GV	TRANSPORTATION PROJECT PLAT	TPP
GRID NORTH	GN	UNITED STATES HIGHWAY	USH
HIGHWAY EASEMENT	HE	VOLUME	V
IDENTIFICATION	ID		
LAND CONTRACT	LC		
LEFT	LT		
MONUMENT	MON		
NATIONAL GEODETIC SURVEY	NGS		
NUMBER	NO		
OUTLOT	OL		
PAGE	P		
POINT OF TANGENCY	PT		
PERMANENT LIMITED EASEMENT	PLE		
POINT OF BEGINNING	POB		
POINT OF CURVATURE	PC		

CURVE DATA ABBREVIATIONS

LONG CHORD	LCH
LONG CHORD BEARING	LCB
RADIUS	R
DEGREE OF CURVE	D
CENTRAL ANGLE	Δ /DELTA
LENGTH OF CURVE	L
TANGENT	T
DIRECTION AHEAD	DA
DIRECTION BACK	DB

CONVENTIONAL UTILITY SYMBOLS

WATER — W
GAS — G
TELEPHONE — T
OVERHEAD TRANSMISSION LINES — OH
ELECTRIC — E
CABLE TELEVISION — TV
FIBER OPTIC — FO
SANITARY SEWER — SAN
STORM SEWER — SS
ELECTRIC TOWER
COMMUNICATIONS — C



THE NOTES,CONVENTIONAL SIGNS, AND ABBREVIATIONS ARE ASSOCIATED WITH EACH TRANSPORTATION PROJECT PLAT FOR PROJECT 6145-01-22

NOTES:

HORIZONTAL POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM (WISCRS), SAUK COUNTY NAD83 (2007), IN U.S. SURVEY FEET. POSITIONS SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES ARE THE SAME AS GROUND DISTANCES.

NGS REFERENCE POINT DH8469
Y=289324.71
X=638326.39

ALL NEW RIGHT-OF-WAY MONUMENTS WILL BE TYPE 2 (TYPICALLY ¾" X 24" IRON REBARS), UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

ALL RIGHT-OF-WAY LINES DEPICTED IN THE NON-ACQUISITION AREAS ARE INTENDED TO RE-ESTABLISH EXISTING RIGHT-OF-WAY LINES AS DETERMINED FROM PREVIOUS PROJECTS, OTHER RECORDED DOCUMENTS, CENTERLINE OF EXISTING PAVEMENTS AND/OR EXISTING OCCUPATIONAL LINES.

RIGHT-OF-WAY BOUNDARIES ARE DEFINED WITH COURSES OF THE PERIMETER OF THE HIGHWAY LANDS REFERENCED TO THE U.S. PUBLIC LAND SURVEY SYSTEM OR OTHER "SURVEYS" OF PUBLIC RECORD.

DIMENSIONING FOR THE NEW RIGHT-OF-WAY IS MEASURED ALONG AND PERPENDICULAR TO THE NEW REFERENCE LINES.

A TEMPORARY LIMITED EASEMENT (TLE) IS A RIGHT FOR CONSTRUCTION PURPOSES, AS DEFINED HEREIN, INCLUDING THE RIGHT TO OPERATE NECESSARY EQUIPMENT THEREON, THE RIGHT OF INGRESS AND EGRESS, AS LONG AS REQUIRED FOR SUCH PUBLIC PURPOSE, INCLUDING THE RIGHT TO PRESERVE, PROTECT, REMOVE, OR PLANT THEREON ANY VEGETATION THAT THE HIGHWAY AUTHORITIES MAY DEEM DESIRABLE. ALL (TLEs) ON THIS PLAT EXPIRE AT THE COMPLETION OF THE CONSTRUCTION PROJECT FOR WHICH THIS INSTRUMENT IS GIVEN.

A PERMANENT LIMITED EASEMENT (PLE) IS A RIGHT FOR CONSTRUCTION AND MAINTENANCE PURPOSES, AS DEFINED HEREIN, INCLUDING THE RIGHT TO OPERATE NECESSARY EQUIPMENT THEREON AND THE RIGHT OF INGRESS AND EGRESS, AS LONG AS REQUIRED FOR SUCH PUBLIC PURPOSE, INCLUDING THE RIGHT TO PRESERVE, PROTECT, REMOVE, OR PLANT THEREON ANY VEGETATION THAT THE HIGHWAY AUTHORITIES MAY DEEM DESIRABLE, BUT WITHOUT PREJUDICE TO THE OWNER'S RIGHTS TO MAKE OR CONSTRUCT IMPROVEMENTS ON SAID LANDS OR TO FLATTEN THE SLOPES, PROVIDING SAID ACTIVITIES WILL NOT IMPAIR OR OTHERWISE ADVERSELY AFFECT THE HIGHWAY FACILITIES.

AN EASEMENT FOR HIGHWAY PURPOSES (HE), AS LONG AS SO USED, INCLUDING THE RIGHT TO PRESERVE, PROTECT, REMOVE, OR PLANT THEREON ANY VEGETATION THAT THE HIGHWAY AUTHORITIES MAY DEEM DESIRABLE.

PROPERTY LINES SHOWN ON THIS PLAT FOR PROPERTIES BEING IMPACTED ARE DRAWN FROM DATA DERIVED FROM FILES/RECORDED MAPS AND DOCUMENTS OF PUBLIC RECORD. THIS PLAT MAY NOT BE A TRUE REPRESENTATION OF EXISTING PROPERTY LINES, EXCLUDING RIGHT-OF-WAY, AND SHOULD NOT BE USED AS SUBSTITUTE FOR AN ACCURATE FILED SURVEY.

FOR THE CURRENT ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN LA CROSSE/SOUTHWEST REGION.

PARCEL AND UTILITY IDENTIFICATION NUMBERS MAY NOT POINT TO ALL AREAS OF ACQUISITION, AS NOTED ON THE TPP DETAIL PAGES.

INFORMATION FOR THE BASIS OF EXISTING HIGHWAY RIGHT-OF-WAY POINTS OF REFERENCE AND ACCESS CONTROL ARE LISTED ON THE TPP DETAIL PAGES.

PROJECT NUMBER 6145-01-22 - 4. 03
SHEET 2 OF 2
AMENDMENT NO: 795

DOCUMENT #: **1275091**
Recorded: 04-30-2025 at 2:02 PM
BRENT BAILEY
SAUK COUNTY REGISTER OF DEEDS
REGISTRAR'S OFFICE
Sauk Co, WI
RECEIVED FOR RECORD
Fee Amount: $25.00
This document has been filed electronically

TRANSPORTATION PROJECT PLAT NO: 6145-01-22- 4. 01 AMENDMENT NO: 3

ADDS PARCEL 28 AND AMENDS PARCEL 2 AND AMENDS UTILITY NUMBERS 100, 106 AND 107 OF TRANSPORTATION PROJECT PLAT NO: 6145-01-22- 4.01 RECORDED AS DOCUMENT NO: 1253472

GN

SCALE, FEET
0 50 100

THOSE PARTS OF LOT 1, CSM NO. 2838, LOT 1, CSM NO. 7227, LOT 1, CSM NO. 1624 AND LOT 1, CSM 3653 AS RECORDED IN THE OFFICE OF THE REGISTER OF DEEDS, SAUK COUNTY, WISCONSIN ALONG WITH THOSE PARTS OF THE SOUTHEAST 1/4 OF THE NORTHWEST 1/4 OF SECTION 16, TOWNSHIP 13 NORTH, RANGE 6 EAST, VILLAGE OF LAKE DELTON, SAUK COUNTY, WISCONSIN.

RELOCATION ORDER: USH 12, WISCONSIN DELLS-BARABOO, CTH A TO PILGRIM DRIVE, SAUK COUNTY

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09, AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

BASIS OF EXISTING RIGHT-OF-WAY	
HIGHWAY	BASIS
U.S.H. 12/S.T.H. 23/ WISCONSIN DELLS PARKWAY	ROW PLAT T 04-3 (15) REV. 03/03/1980
	CSM NO. 2838
	PLAT OF SURVEY 12272
	CSM NO. 1624
	PLAT OF SURVEY 4693
	CSM NO. 3653

SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANCE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT.

PARCEL NUMBER	OWNER(S)	INTERESTS REQUIRED	R/W REQUIRED (ACRES OR S.F.) NEW SQ. FT.	EXISTING SQ. FT.	TOTAL SQ. FT.	P.L.E SQ. FT.	T.L.E. SQ. FT.
1	WISCONSIN PARKWAYS LLC	FEE & TLE	1017	---	1017	---	5595
2	PIZZA PUB OF WISCONSIN DELLS, LLC	FEE, PLE & TLE	1687	---	1687	60	9077
4	ZEUS ENTERTAINMENT, LLC, A WISCONSIN LIMITED LIABILITY COMPANY	FEE & TLE	1039	---	1039	---	17641
6	FLATH INVESTMENTS, LLC	FEE, PLE & TLE	5852	---	5852	2030	20461
8	FIELD HOLDINGS LLC	FEE & TLE	2397	---	2397	---	14047
10	BRAVO 1570 LLC, A WISCONSIN LIMITED LIABILITY COMPANY	TLE	---	---	---	---	5937
28	1481 WISCONSIN DELLS PARKWAY, LLC, A WISCONSIN LIMITED LIABILITY COMPANY	FEE & TLE	945	---	945	---	2115

UTILITY INTERESTS REQUIRED

UTILITY NUMBER	OWNER(S)	INTEREST REQUIRED
100	FRONTIER NORTH INC. DBA FRONTIER COMMUNICATIONS OF WI LLC	ROR
103	SPECTRUM MID-AMERICA, LLC DBA SPECTRUM	ROR
106	ALLIANT ENERGY - ELECTRIC	ROR
107	VILLAGE OF LAKE DELTON - SANITARY SEWER	ROR
108	VILLAGE OF LAKE DELTON - WATER	ROR

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 6145-01-22-4.01
SHEET 1 OF 2
AMENDMENT NO: 3

FOUND HARRISON MONUMENT POINT #45002 Y=286239.072 X=635826.832

VILLAGE
CSM #2838
VOL. 13, PG. 2838-2838A
DOC. #592531
LOT 1

25' WIDE PRIVATE ACCESS AND UTILITY EASEMENT DOC. 677752 AFFECTS PARCEL 1

20' WIDE PRIVATE UTILITY EASEMENT DOC. 677754 AFFECTS PARCEL 2

PLAT OF SURVEY 12272
DATED 12/19/02
MARK C. CARLSON
S-2021

UNPLATTED LANDS

SEE PARCEL 2 DETAIL

TLE - GRADING 5595 SQ. FT.

16'x20' SIGN EASEMENT TO RAINTREE RESORT DOC. 677755 AFFECTS PARCEL 1

PLE- UTILITY

TLE - GRADING 9077 SQ. FT.

TLE - GRADING 2115 SQ. FT.

100' WIDE RIGHT-OF-WAY DEDICATED TO THE VILLAGE OF LAKE DELTON CSM 7227

SE-NW SEC-16

CSM #7227
DOC. #1242629
LOT 1

TLE - GRADING 17641 SQ. FT.

CSM #1624
VOL. 7, PG. 1624-1624A
DOC. #478080
LOT 1

SIXTEENTH LINE

WISCONSIN DELLS PARKWAY

U.S.H. 12 & S.T.H. 23

ALIGNMENT SHOWN ON R/W PLAT T 04-3(15) REVISED 03/03/1980

CURVE 1 CURVE 2 CURVE 4 CURVE 6 CURVE 7 CURVE 8 CURVE 9 CURVE 10 CURVE 32

DRIVEWAY EASEMENT DOC. 282397 AFFECTS PARCEL 6

PLE - RETAINING WALL 1327 SQ. FT.

TLE- GRADING 20350 SQ. FT.

PLAT OF SURVEY 4693
MID-STATE ASSOCIATES
DATED 09/17/87
KENNETH H. SCHUETTE
S-1267

UNPLATTED LANDS
PLAT OF SURVEY R-8054
DATED 10/28/96
MARK C. CARLSON
S-2021

PLE - RETAINING WALL 703 SQ. FT.

FEE 5827 SQ. FT.

FEE 1266 SQ. FT.

TLE - GRADING 4381 SQ. FT.

FEE 1131 SQ. FT.

TLE - GRADING 9666 SQ. FT.

TLE - GRADING 5937 SQ. FT.

PLAT OF SURVEY 5604
DATED 10/28/96
KENNETH H. ACHUETTE
S-1267

CSM #3653
VOL. 18, PG. 3653-3653A
DOC. #654601
LOT 1

LAKE DELTON

SEE TPP 6145-01-22 - 4.02

FOUND RAIL ROAD SPIKE OVER STONE MONUMENT POINT #45004 Y=286233.026 X=638487.757

FOUND HARRISON MONUMENT POINT #45005 Y=288847.539 X=638441.365

N01°01'00"W 2614.92'
1/4 SECTION LINE

1848.69' 2660.93' 723.19' N89°52'11"W 1/4 SECTION LINE

PARCEL 6 DETAIL N.T.S.

PARCEL 2 DETAIL N.T.S.

PARCEL 6 DETAIL N.T.S.

ALIGNMENT INFORMATION

CURVE 1
PI STA = 657+63.14
Y = 286181.134
X = 637744.174
Δ = 22°30'00" LT
D = 4°26'37"
T = 256.47'
L = 506.34'
R = 1289.38'
PC STA = 655+06.67
PT STA = 660+13.01
DB = N23°32'12"E
DA = N01°02'12"E

CURVE 2
PI STA = 682+93.03
Y = 288717.218
X = 637781.564
Δ = 36°37'00" RT
D = 1°29'49"
T = 1266.39'
L = 2445.99'
R = 3827.36'
PC STA = 670+26.64
PT STA = 694+72.63
DB = N01°02'12"E
DA = N37°39'12"E

PARTIAL CURVE 1
101 TO PC STA 655+06.67
L = 302.35'
R = 1289.38'
LCH = 301.66'
LCB = S16°49'08"W

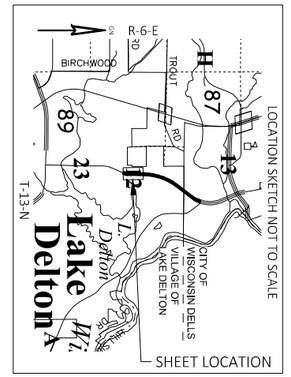
PARTIAL CURVE 2
114 TO PC STA 670+26.64
L = 93.95'
R = 3827.36'
LCH = 93.95'
LCB = S01°44'24"W

PARTIAL CURVE 1
101 TO PT STA 660+13.01
L = 203.99'
R = 1289.38'
LCH = 203.78'
LCB = N05°34'08"E

PARTIAL CURVE 2
114 TO PT STA 694+72.63
L = 2352.04'
R = 3827.36'
LCH = 2315.20'
LCB = N20°02'54"E

PI: 665+20.99
Y = 286945.468
X = 637758.005
Δ = 0°02'36" LT

PI: 667+51.13
Y = 287175.569
X = 637753.667
Δ = 0°02'36" RT



NOTES:

HORIZONTAL POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM (WISCRS), SAUK COUNTY NAD83 (2007), IN U.S. SURVEY FEET. POSITIONS SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES ARE THE SAME AS GROUND DISTANCES.

NGS REFERENCE POINT DH8469
Y=289324.71
X=638326.39

ALL NEW RIGHT-OF-WAY MONUMENTS WILL BE TYPE 2 (TYPICALLY ¾" X 24" IRON REBARS), UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

FOR THE CURRENT ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN LA CROSSE/SOUTHWEST REGION.

FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2 OF DOCUMENT NUMBER 1252681.

SIXTEENTH LINES WERE ESTABLISHED BY SECTION BREAKDOWN OF OBSERVED PLSS MONUMENTS.

100 FRONTIER NORTH INC. DBA FRONTIER COMMUNICATIONS OF WI LLC
NO EASEMENT OF RECORD PROVIDED
AFFECTS PARCELS 2, 6, 8 AND 28

103 SPECTRUM MID-AMERICA, LLC DBA SPECTRUM
NO EASEMENT OF RECORD PROVIDED
AFFECTS PARCELS 4, 6, 8 AND 10

107 VILLAGE OF LAKE DELTON - SANITARY SEWER
NO EASEMENT OF RECORD PROVIDED
AFFECTS PARCELS 1, 2, 6 AND 28

106 ALLIANT ENERGY - ELECTRIC
NO EASEMENT OF RECORD PROVIDED
AFFECTS PARCELS 1, 2 AND 10

106 UTILITY EASEMENT
ALLIANT ENERGY - ELECTRIC
DOC. #317568
AFFECTS PARCELS 6 AND 8

107 SANITARY SEWER EASEMENT
VILLAGE OF LAKE DELTON - SANITARY SEWER
DOC. #364118
AFFECTS PARCEL 6

108 VILLAGE OF LAKE DELTON - WATER
DOC. 599560
DOC. 599561
AFFECTS PARCEL 2

FOR COURSE, CURVE, OFFSET AND FOUND MONUMENT TABLES REFER TO EXTENSION SHEET RECORDED AS SHEET 2 OF 2.

GRÄEF
The Avenue
275 West Wisconsin Avenue, Suite 300,
Milwaukee, WI 53203
414 / 259 1500 414 / 259 0037 fax
www.graef-usa.com

I, CARLA J. ROLLINS PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE DEPARTMENT OF TRANSPORTATION I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

original signed copy at register of deeds

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE DEPARTMENT OF TRANSPORTATION

SIGNATURE: Emily Hemling DATE: 04/29/25

PRINT NAME: EMILY HEMLING

796

FILE NAME : X:\ML\2021\20210212\SURVEY\TPP-USH 12_6145-01-02-AMENDMENT03_4.01.DWG
APPRAISAL PLAT DATE : 04/29/2025
PLOT DATE : 4/29/2025 9:12 AM PLOT BY : GARCIA, LUIS PLOT NAME : PLOT SCALE : 1 IN:50 FT

6145-01-22 4.01A3

TRANSPORTATION PROJECT PLAT NO: 6145-01-22- 4. 01 AMENDMENT NO: 3
EXTENSION SHEET

RELOCATION ORDER: USH 12, WISCONSIN DELLS-BARABOO, CTH A TO PILGRIM DRIVE, SAUK COUNTY

NOTES:

HORIZONTAL POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM (WISCRS), SAUK COUNTY NAD83 (2007), IN U.S. SURVEY FEET. POSITIONS SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES ARE THE SAME AS GROUND DISTANCES.

NGS REFERENCE POINT DH8469
Y=289324.71
X=638326.39

FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2 OF DOCUMENT NUMBER 1252681.

SHEET 2 OF 2: COURSE, CURVE, OFFSET AND FOUND MONUMENT TABLES

4

4

R/W COURSE TABLE		
POINT	BEARING	DISTANCE
100 - 101	N89°52'11"W	35.52'
101 - 102	N89°52'11"W	53.52'
102 - 103	SEE CURVE 4	
103 - 104	N01°02'12"E	349.88'
104 - 105	N12°53'30"W	15.25'
105 - 107	N16°36'11"W	104.42'
107 - 108	N49°06'27"E	25.23'
108 - 109	N00°42'38"E	104.52'
109 - 110	N06°56'41"E	59.59'
110 - 112	N01°02'12"E	364.73'
112 - 113	SEE CURVE 6	
113 - 114	S89°37'14"E	54.88'
114 - 115	S89°37'14"E	45.17'
115 - 116	SEE CURVE 7	
116 - 121	S01°02'12"W	324.39'
121 - 122	S01°02'12"W	66.49'
122 - 124	N89°07'08"W	8.79'
124 - 125	S01°04'48"E	123.15'
125 - 126	S89°25'12"E	2.25'
126 - 127	S01°02'12"W	515.25'
127 - 100	SEE CURVE 8	

R/W STATION & OFFSET TABLE		
PT #	STATION	OFFSET
100	658+15.00	35.00' RT
101	658+09.02	0.00' RT
102	657+99.35	52.68' LT
103	660+32.63	52.00' LT
104	663+82.51	52.00' LT
105	663+97.31	55.67' LT
107	664+96.83	87.31' LT
108	665+13.69	68.54' LT
109	666+20.69	65.50' LT
110	666+79.70	57.18' LT
112	670+42.15	54.53' LT
113	671+18.64	54.84' LT
114	671+20.59	0.00'
115	671+22.24	45.14' RT
116	670+42.55	45.47' RT
121	667+16.32	44.24' RT
122	666+49.87	41.79' RT
124	666+50.17	33.00' RT
125	665+27.02	33.00' RT
126	665+26.96	35.24' RT
127	660+13.01	35.00' RT

PLE COURSE TABLE		
POINT	BEARING	DISTANCE
103 - 500	N01°02'12"E	116.01'
500 - 501	N88°57'48"W	10.00'
501 - 502	N01°02'12"E	6.00'
502 - 503	S88°57'48"E	10.00'
503 - 500	S01°02'12"W	6.00'
503 - 104	N01°02'12"E	227.87
126 - 507	S01°02'12"W	42.26'
507 - 508	N90°00'00"E	4.00'
508 - 509	S01°02'12"W	175.85'
509 - 510	N89°03'26"W	4.00'
510 - 507	N01°02'12"E	175.79'
510 - 511	S01°02'12"W	99.94'
126 - 511	S01°02'12"W	317.99'
511 - 512	S88°57'48"E	10.00'
512 - 513	S01°02'12"W	6.00'
513 - 514	N88°57'48"W	6.00'
514 - 515	S01°02'12"W	64.69'
515 - 516	S88°57'48"E	12.00'
516 - 517	S01°02'12"W	23.00'
517 - 518	N88°57'48"W	12.00'
518 - 519	S01°02'12"W	103.57'
519 - 520	SEE CURVE 9	
520 - 521	N86°57'23"W	4.00'
521 - 127	SEE CURVE 32	
127 - 511	N01°02'12"E	197.25'

PLE STATION & OFFSET TABLE		
PT #	STATION	OFFSET
500	661+48.65	52.00' LT
501	661+48.65	62.00' LT
502	661+54.65	62.00' LT
503	661+54.65	52.00' LT
507	664+85.99	35.00' RT
508	664+86.06	39.00' RT
509	663+10.21	39.00' RT
510	663+10.20	35.00' RT
511	662+10.26	35.00' RT
512	662+10.26	45.00' RT
513	662+04.26	45.00' RT
514	662+04.26	39.00' RT
515	661+39.57	39.00' RT
516	661+39.57	51.00' RT
517	661+16.57	51.00' RT
518	661+16.57	39.00' RT
519	660+13.01	39.00' RT
520	659+58.08	39.00' RT
521	659+58.05	35.00' RT

TLE STATION & OFFSET TABLE		
PT #	STATION	OFFSET
700	657+94.76	76.23' LT
701	658+00.99	76.05' LT
702	658+80.75	76.50' LT
703	658+80.68	101.50' LT
704	659+59.87	101.51' LT
705	660+15.43	101.26' LT
706	660+15.13	81.03' LT
707	660+25.78	81.00' LT
708	662+43.89	81.00' LT
709	662+44.13	66.00' LT
710	663+97.15	66.00' LT
711	664+96.74	93.00' LT
712	670+42.03	84.53' LT
713	671+17.60	84.84' LT
714	671+23.07	67.47' RT
715	670+03.47	67.54' RT
716	670+03.47	95.50' RT
717	668+91.08	95.50' RT
718	668+75.38	75.50' RT
719	665+26.03	67.23' RT
720	665+25.74	77.23' RT
721	662+68.84	77.00' RT
722	662+68.52	60.00' RT
723	660+13.01	60.00' RT
724	658+19.09	60.00' RT

R/W CURVE TABLE				
CURVE	LONG CHORD BEARING (LCB)	LONG CHORD DISTANCE (LCH)	LENGTH OF CURVE (L)	RADIUS (R)
4	N05°32'28"E	224.31'	224.54'	1428.00'
6	N01°36'40"E	77.59'	77.59'	3869.80'
7	S01°38'06"W	78.74'	78.74'	3769.80'
8	S05°26'09"W	203.18'	203.38'	1324.38'
9	S02°15'26"W	56.59'	56.59'	1328.38'
10	S06°39'25"W	146.85'	146.93'	1324.38'
32	N02°15'28"E	56.45'	56.45'	1324.38'

FOUND MONUMENT TABLE				
PT #	Y (NORTHING)	X (EASTING)	DESCRIPTION	PERPENDICULAR DIST. TO EXISTING R/W
60079	286234.913	637756.464	5/8" REBAR	0.13' NW
60080	286592.032	637775.253	R.R. SPIKE	3.36' E
60081	286951.611	637783.771	R.R. SPIKE	1.35' E - 0.58' N
60082	287071.908	637779.401	3/4" REBAR	0.90' E
60083	287141.365	637781.130	5/8" REBAR	0.42' E
60085	286822.704	637709.040	CHISELED CROSS	0.09' N - 0.74' E
60086	286669.636	637706.310	CHISELED CROSS	0.70' E

TPP NUMBER 6145-01-22 -
4.01 AMENDMENT NO:3
SHEET 2 797

FILE NAME : X:\ML\2021\20210212\SURVEY\TPP-USH 12_6145-01-02-AMENDMENT03_4.01.DWG
APPRAISAL PLAT DATE : 04/29/2025

PLOT DATE : 10/18/2024 2:39 PM PLOT BY : GARCIA, LUIS PLOT NAME : PLOT SCALE : 1 IN:50 FT

6145-01-22 4.01A3

DOCUMENT #: **1260215**
Recorded: 03-13-2024 at 3:53 PM
BRENT BAILEY
SAUK COUNTY REGISTER OF DEEDS
REGISTRAR'S OFFICE
Sauk Co, WI
RECEIVED FOR RECORD
Fee Amount: $25.00
This document has been filed electronically

TRANSPORTATION PROJECT PLAT NO: 6145-01-22- 4. 02 AMENDMENT NO: 1

ADDS PARCEL 27 AND AMENDS UTILITY NO. 100, 103, 106, 107 AND 108 OF TRANSPORTATION PROJECT PLAT NO: 6145-01-22- 4.02 RECORDED AS DOCUMENT NO: 1253471

THOSE PARTS OF LOT 1, CSM NO. 5550 AND LOT 1, CSM NO. 3653 AND LOTS 1 AND 2, CSM NO. 6732 RECORDED IN THE OFFICE OF THE REGISTER OF DEEDS, SAUK COUNTY, WISCONSIN ALONG WITH THOSE PARTS OF THE NORTHEAST 1/4 OF THE NORTHWEST 1/4 OF SECTION 16, TOWNSHIP 13 NORTH, RANGE 6 EAST AND THOSE PARTS OF THE SOUTHEAST 1/4 OF THE SOUTHWEST 1/4 OF SECTION 9, TOWNSHIP 13 NORTH, RANGE 6 EAST, ALL IN THE VILLAGE OF LAKE DELTON, SAUK COUNTY, WISCONSIN.

RELOCATION ORDER: USH 12, WISCONSIN DELLS-BARABOO, CTH A TO PILGRIM DRIVE, SAUK COUNTY

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09, AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

SCALE, FEET 0 50 100 GN

FOUND HARRISON MONUMENT POINT #45001 Y=288876.399 X=635829.836

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 6145-01-22-4.02
AMENDMENT NO: 1

BLANKET SUPPORT FACILITIES EASEMENT DOC. 918419 AFFECTS PARCEL 11

BLANKET AMENITIES PROPERTY EASEMENT DOC. 918419 AFFECTS PARCEL 11

(100) FRONTIER NORTH INC. DBA FRONTIER COMMUNICATIONS OF WI LLC NO EASEMENT OF RECORD PROVIDED AFFECTS PARCELS 11 AND 27

(102) ALLIANT ENERGY - GAS NO EASEMENT OF RECORD PROVIDED AFFECTS PARCELS 11 AND 13

(103) SPECTRUM MID-AMERICA, LLC DBA SPECTRUM NO EASEMENT OF RECORD PROVIDED AFFECTS PARCELS 11, 12 , 13, 26 AND 27

(106) ALLIANT ENERGY - ELECTRIC NO EASEMENT OF RECORD PROVIDED AFFECTS PARCELS 10, 11, 12, 14, 26 AND 27

(107)(108) UTILITY EASEMENT VILLAGE OF LAKE DELTON - SANITARY SEWER VILLAGE OF LAKE DELTON - WATER DOC. 379721 NO FACILITY OBSERVED AFFECTS PARCEL 11

(107) SANITARY SEWER EASEMENT-CSM 5550 DOC. 930440 NO FACILITY OBSERVED AFFECTS PARCEL 11

(107)(108) UTILITY EASEMENT VILLAGE OF LAKE DELTON - SANITARY SEWER VILLAGE OF LAKE DELTON - WATER DOC. 379719 NO FACILITY OBSERVED AFFECTS PARCEL 11

BLANKET PEDESTRIAN ACCESS EASEMENT DOC. 918419 AFFECTS PARCEL 11

30' WIDE ACCESS EASEMENT DOC. 841454 AFFECTS PARCEL 11

BLANKET STRUCTURAL SUPPORT EASEMENT DOC. 918419 AFFECTS PARCEL 11

BLANKET DRAINAGE EASEMENT DOC. 918419 AFFECTS PARCEL 11

BLANKET PRIVATE UTILITY SERVICES PRPERTY EASEMENT DOC. 918419 AFFECTS PARCEL 11

BLANKET SALES AND ADMINISTRATIVE AREA EASEMENT DOC. 918419 AFFECTS PARCEL 11

BLANKET CROSSING AREA EASEMENT DOC. 918419 AFFECTS PARCEL 11

BLANKET DIRECTIONAL SIGNS AND MARKERS EASEMENT DOC. 918419 AFFECTS PARCEL 11

THIS PROPERTY SHALL BE SUBJECT TO A FUTURE 66 FOOT ROAD RIGHT-OF-WAY DEDICATED FROM CLARA ROAD TO WISCONSIN DELLS PARKWAY. THE LOCATION AND ALIGNMENT OF THE RIGHT-OF-WAY WILL BE DETERMINED BY FUTURE DEVELOPMENT PLANS PER CSM 5550. DOC. 930440 AFFECTS PARCEL 11

SCHEDULE OF OFF PREMISE SIGN STRUCTURES		
SIGN NUMBER	SIGN OWNER	OASIS NUMBER
13-1	SIGN OF UNKNOWN ORIGIN PARADEISOS LLC, A WISCONSIN LIMITED LIABILITY COMPANY	N/A

VILLAGE OF LAKE DELTON

NE-NW SEC-16

SE-SW SEC-9

SIXTEENTH LINE

SEE TPP 6145-01-22- 4.01

SEE TPP 6145-01-22- 4.03

4

WISCONSIN DELLS PARKWAY U.S.H. 12 & S.T.H. 23

CSM #5550 VOL. 31, PG. 5550-5550D DOC. #930440 LOT 1

LOT 1 CSM #3653 VOL. 18, PG. 3653-3653A DOC. #654601

LOT 2 CSM #6732 VOL. 40, PG. 6732-6732 A DOC. #1174520

LOT 1 CSM #6732 VOL. 40, PG. 6732-6732A DOC. #1174520

UNPLATTED LANDS

OF LAKE DELTON

ALIGNMENT INFORMATION

PARTIAL CURVE 2 — 114 TO PC STA 670+26.64
L = 93.95' R = 3827.36' LCH = 93.95' LCB = S01°44'24"W

PARTIAL CURVE 2 — 114 TO 134
L = 1607.36' R = 3827.36' LCH = 1595.57' LCB = N14°28'27"E

CURVE 2 — PI STA = 682+93.03 Y = 288717.218 X = 637781.564 Δ = 36°37'00" RT D = 1°29'49" T = 1266.39' L = 2445.99' R = 3827.36' PC STA = 670+26.64 PT STA = 694+72.63 DB = N01°02'12"E DA = N37°39'12"E

PARTIAL CURVE 2 — 134 TO PT STA 694+72.63
L = 744.68' R = 3827.36' LCH = 743.51' LCB = N32°04'46"E

PARTIAL CURVE 2 — 134 TO 135
L = 103.48' R = 3827.36' LCH = 103.48' LCB = S25°43'51"W

PARTIAL CURVE 2 — 114 TO STA 684+66.23
L = 1345.64' R = 3827.36' LCH = 1338.72' LCB = N12°30'55"E

PARTIAL CURVE 2 — STA 684+66.23 TO 135
L = 158.24' R = 3827.36' LCH = 158.23' LCB = N23°46'19"E

INGRESS/EGRESS EASEMENT DOC. 957284 AFFECTS PARCEL 12

ACCESS EASEMENT VILLAGE OF LAKE DELTON DOC. 610708 (AFFECTS PARCELS 12 AND 26) DOC. 957284 (AFFECTS PARCEL 26)

PRIVATE RECIPROCAL WATER MAIN EASEMENT DOC. 610708 (AFFECTS PARCELS 12 AND 26) DOC. 957284 (AFFECTS PARCEL 26)

20' WIDE ACCESS EASEMENT FRONTIER COMMUNICATIONS OF WI, LLC DOC. 1125842 AFFECTS PARCEL 26

CL PRIVATE ACCESS EASEMENT (NO WIDTH GIVEN) DOC. 1197923 AFFECTS PARCEL 26

(100) UTILITY EASEMENT FRONTIER COMMUNICATIONS OF WI, LLC DOC. 1125842 NO FACILITY OBSERVED AFFECTS PARCEL 26

(107) VILLAGE OF LAKE DELTON - SANITARY SEWER NO EASEMENT OF RECORD PROVIDED AFFECTS PARCEL 27

(108) VILLAGE OF LAKE DELTON - WATER NO EASEMENT OF RECORD PROVIDED AFFECTS PARCEL 27

PARCEL 27 DETAIL N.T.S.

TLE - GRADING 30359 SQ. FT.

TLE - GRADING 5329 SQ. FT.

TLE - GRADING 7661 SQ. FT.

TLE - GRADING 3001 SQ. FT.

TLE - GRADING 20858 SQ. FT.

TLE - DRIVEWAY 3669 SQ. FT.

TLE - GRADING 3192 SQ. FT.

PLE- UTILITY

CL LINE 2157.99' 2611.69'

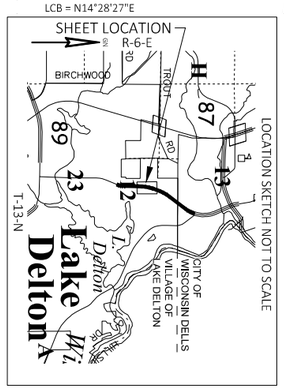
CURVE 12 C 672 ALIGNMENT SHOWN ON R/W PLAT T 04-3(15) 674 REVISED 03/03/1980 676 678 680 682 684 686

CURVE 13 CURVE 26 CURVE 33 CURVE 2 CURVE 11 CURVE 27 CURVE 14 CURVE 25 CURVE 15

STA. 684+66.23

BLANKET ACCESS AND PARKING EASEMENTS DOC. 91841 AFFECTS PARCEL 11

SHEET LOCATION



FOUND MONUMENT TABLE				
PT #	Y (NORTHING)	X (EASTING)	DESCRIPTION	PERPENDICULAR DIST. TO EXISTING R/W
60087	287553.955	637707.144	1-1/2" O.D.	0.18' W
61151	288851.139	638102.268	1-1/4" O.D.	6.47' NW

PLE STATION & OFFSET TABLE		
PT #	STATION	OFFSET
522	680+43.97	58.19' LT
523	680+43.94	68.19' LT
524	680+49.84	68.21' LT
525	680+49.88	58.21' LT

R/W CURVE TABLE				
CURVE	LONG CHORD BEARING (LCB)	LONG CHORD DISTANCE (LCH)	LENGTH OF CURVE (L)	RADIUS (R)
11	S12°27'26"W	1338.23'	1345.36'	3769.80'
12	N02°22'09"E	24.82'	24.82'	3869.80'
13	N07°17'05"E	610.65'	611.28'	3888.38'
14	N16°50'18"E	707.42'	708.41'	3869.80'
15	S23°53'04"W	158.36'	158.38'	3769.80'
25	N24°00'53"E	260.95'	261.00'	3869.80'
26	N13°50'28"E	303.47'	303.55'	3869.80'
27	N19°07'48"E	398.68'	398.86'	3869.80'
33	S16°07'58"W	6.00'	6.00'	3869.80'

UTILITY INTERESTS REQUIRED		
UTILITY NUMBER	OWNER(S)	INTEREST REQUIRED
100	FRONTIER NORTH INC. DBA FRONTIER COMMUNICATIONS OF WI LLC	ROR
102	ALLIANT ENERGY - GAS	ROR
103	SPECTRUM MID-AMERICA, LLC DBA SPECTRUM	ROR
106	ALLIANT ENERGY - ELECTRIC	ROR
107	VILLAGE OF LAKE DELTON - SANITARY SEWER	ROR
108	VILLAGE OF LAKE DELTON - WATER	ROR

PLE COURSE TABLE		
POINT	BEARING	DISTANCE
132 - 522	SEE CURVE 26	
522 - 523	N73°52'02"W	10.00'
523 - 524	N16°07'58"E	6.00'
524 - 525	N73°52'02"W	10.00'
525 - 522	SEE CURVE 33	

TLE STATION & OFFSET TABLE		
PT #	STATION	OFFSET
713	671+17.60	84.84' LT
714	671+23.07	67.47' RT
726	684+24.85	75.69' RT
727	680+21.60	76.88' RT
728	680+21.57	66.88' RT
729	677+30.76	67.85' RT
730	677+31.16	71.54' RT
731	676+21.00	71.19' RT
732	676+20.07	77.47' RT
733	675+04.67	77.47' RT
734	675+04.67	67.47' RT
735	681+02.21	88.37' LT
736	681+02.38	63.37' LT
737	686+97.38	65.01' LT
738	686+52.12	60.10' RT
739	684+98.45	60.49' RT
740	684+93.68	66.80' RT
801	673+48.32	67.47' RT
805	684+99.15	79.82' RT
806	684+36.43	104.52' RT

BASIS OF EXISTING RIGHT-OF-WAY AND ACCESS CONTROL	
HIGHWAY	BASIS
U.S.H. 12/S.T.H. 23/ WISCONSIN DELLS PARKWAY	ROW PLAT T 04-3 (15) REV. 03/03/1980
	CSM NO. 5550
	CSM NO. 3563
	CSM NO. 6732
	PLAT OF SURVEY R-3373
	RESTRICTED ACCESS DOC. 334617, 334077
(FORMER) BONANZA DRIVE	RECIPROCAL PRIVATE STREET EASEMENT DOC. 1146426

R/W STATION & OFFSET TABLE		
PT #	STATION	OFFSET
113	671+18.64	54.84' LT
114	671+20.59	0.00'
115	671+22.24	45.14' RT
128	684+82.76	40.54' RT
129	671+43.11	54.94' LT
130	671+43.14	60.50' LT
131	677+44.90	60.50' LT
132	677+44.93	57.20' LT
133	686+99.69	60.01' LT
134	687+27.95	0.00'
135	686+24.47	0.00'
136	686+42.82	40.13' RT
160	684+42.70	59.36' LT

R/W COURSE TABLE		
POINT	BEARING	DISTANCE
128 - 115	SEE CURVE 11	
115 - 114	N89°37'14"W	45.17'
114 - 113	N89°37'14"W	54.88'
113 - 129	SEE CURVE 12	
129 - 130	N86°55'27"W	5.56'
130 - 131	SEE CURVE 13	
131 - 132	S78°37'37"E	3.30'
132 - 160	SEE CURVE 14	
160 - 133	SEE CURVE 25	
133 - 134	S89°05'59"E	66.43'
134 - 135	SEE PARTIAL CURVE ALIGNMENT	
135 - 136	S89°22'01"E	44.08'
136 - 128	SEE CURVE 15	

FOUND RAIL ROAD SPIKE OVER STONE MONUMENT POINT #45004 Y=286233.026 X=638487.757

RECIPROCAL PRIVATE STREET EASEMENT 66' WIDE DOC. #1146426 RECORDED 3/27/2017

N89°22'01"W 346.04'

PLAT OF SURVEY R-3373 DATED 7/2/83 KENNETH G. CARLSON S-742

SECTION

N01°01'00"W 2614.92' 1/4 SECTION LINE

N00°01'13"E 2670.36' 1/4 SECTION LINE

FOUND HARRISON MONUMENT POINT #45005 Y=288847.539 X=638441.365

COMPUTED BY INTERSECTION OF QUARTER CORNERS Y=291517.898 X=638442.315

SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANCE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT.

PARCEL NUMBER	OWNER(S)	INTERESTS REQUIRED	R/W REQUIRED (ACRES OR S.F.) NEW SQ. FT.	EXISTING SQ. FT.	TOTAL SQ. FT.	P.L.E. SQ. .FT.	T.L.E. SQ. FT.
10	BRAVO 1570 LLC, A WISCONSIN LIMITED LIABILITY COMPANY	TLE	---	---	---	---	5329
11	MT. OLYMPUS RESORTS, LLC	FEE, PLE & TLE	2688	---	2688	60	30359
12	MEDUSA ENTERTAINMENT, LLC, A WISCONSIN LIMITED LIABILITY COMPANY	TLE	---	---	---	---	7661
13	PARADEISOS LLC, A WISCONSIN LIMITED LIABILITY COMPANY SIGN OF UNKNOWN ORIGIN	TLE	---	---	---	---	20858
14	REYNA PROPERTIES, LLC, A WISCONSIN LIMITED LIABILITY COMPANY	TLE	---	---	---	---	3192
26	RICHARD S. WILCOX AND SUSAN K.WILCOX, TRUSTEES, OR THEIR SUCCESSORS UNDER THE WILCOX LIVING TRUST DATED OCTOBER 25, 2007, AND ANY AMENDMENTS THERETO.	TLE	---	---	---	---	3001
27	BVTS BONANZA RV OWNER, LLC	TLE	---	---	---	---	3669

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275 West Wisconsin Avenue, Suite 300,
Milwaukee, WI 53203
414 / 259 1500 414 / 259 0037 fax
www.graef-usa.com

I, CARLA J. ROLLINS PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE DEPARTMENT OF TRANSPORTATION I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

original signed copy at register of deeds

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE DEPARTMENT OF TRANSPORTATION

DATE: 03/13/24

NOTES:

HORIZONTAL POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM (WISCRS), SAUK COUNTY NAD83 (2007), IN U.S. SURVEY FEET. POSITIONS SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES ARE THE SAME AS GROUND DISTANCES.

NGS REFERENCE POINT DH8469
Y=289324.71
X=638326.39

ALL NEW RIGHT-OF-WAY MONUMENTS WILL BE TYPE 2 (TYPICALLY ¾" X 24" IRON REBARS), UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

FOR THE CURRENT ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN LA CROSSE/SOUTHWEST REGION.

FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2 OF DOCUMENT NUMBER 1252681.

SIXTEENTH LINES WERE ESTABLISHED BY SECTION BREAKDOWN OF OBSERVED PLSS MONUMENTS.

FILE NAME : X:\ML\2021\20210212\SURVEY\TPP-USH 12_6145-01-02-AMENDMENT01_4.01-4.03.DWG
PLOT DATE : 3/12/2024 3:53 PM
PLOT BY : ROLLINS, CARLA
PLOT NAME :
PLOT SCALE : 1 IN:50 FT
APPRAISAL PLAT DATE : 03/13/2024

6145-01-22 4.02A1

DOCUMENT #: **1260216**
Recorded: 03-13-2024 at 3:57 PM
BRENT BAILEY
SAUK COUNTY REGISTER OF DEEDS
REGISTRAR'S OFFICE
Sauk Co, WI
RECEIVED FOR RECORD
Fee Amount: $25.00
This document has been filed electronically

TRANSPORTATION PROJECT PLAT NO: 6145-01-22- 4. 03 AMENDMENT NO: 1

AMENDS PARCEL 19 AND AMENDS UTILITY NO. 106 OF TRANSPORTATION PROJECT PLAT NO: 6145-01-22- 4.03 RECORDED AS DOCUMENT NO: 1252681

THOSE PARTS OF LOT 1, CSM NO. 2069 AND LOT 1, CSM NO. 4885 AS RECORDED IN THE OFFICE OF THE REGISTER OF DEEDS, SAUK COUNTY, WISCONSIN ALONG WITH THOSE PARTS OF THE SOUTHEAST 1/4 OF THE SOUTHWEST 1/4 AND THE SOUTHWEST 1/4 OF THE SOUTHEAST 1/4 OF SECTION 9, TOWNSHIP 13 NORTH, RANGE 6 EAST, VILLAGE OF LAKE DELTON, AND ALONG WITH THAT PART OF THE NORTHWEST 1/4 OF THE SOUTHEAST 1/4 OF SECTION 9, TOWNSHIP 13 NORTH, RANGE 6 EAST, CITY OF WISCONSIN DELLS, ALL IN SAUK COUNTY, WISCONSIN.

RELOCATION ORDER: USH 12, WISCONSIN DELLS-BARABOO, CTH A TO PILGRIM DRIVE, SAUK COUNTY

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09, AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 6145-01-22-4.03
SHEET 1 OF 2
AMENDMENT NO: 1

NOTES:

HORIZONTAL POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM (WISCRS), SAUK COUNTY NAD83 (2007), IN U.S. SURVEY FEET. POSITIONS SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES ARE THE SAME AS GROUND DISTANCES.

NGS REFERENCE POINT DH8469
Y=289324.71
X=638326.39

ALL NEW RIGHT-OF-WAY MONUMENTS WILL BE TYPE 2 (TYPICALLY ¾" X 24" IRON REBARS), UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

FOR THE CURRENT ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN LA CROSSE/SOUTHWEST REGION.

FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2 OF DOCUMENT NUMBER 1252681.

SIXTEENTH LINES WERE ESTABLISHED BY SECTION BREAKDOWN OF OBSERVED PLSS MONUMENTS.

THE TLE'S DO NOT INCLUDE ANY PART OF BUILDINGS.

GN
SCALE, FEET
0 50 100

NE-SW SEC-9
COMPUTED BY INTERSECTION OF QUARTER CORNERS
Y=291517.898
X=638442.315
T 13 N R 9 E

FOUND HARRISON MONUMENT POINT #45001 Y=288876.399 X=635829.836

FOUND HARRISON MONUMENT POINT #45005 Y=288847.539 X=638441.365

FOUND HARRISON MONUMENT POINT #45015 Y=288867.303 X=641169.418

N89°35'06"E 2728.12' SECTION LINE

S89°22'01"E 2611.69' 1/4 SECTION LINE

N00°01'13"E 2670.36' 1/4 SECTION LINE

1335.18'

645.38' | 71.85' | 105.89' | 512.06'

SEE TPP 6145-01-22- 4.02

LOT 1 — CSM #2069 VOL. 8, PG. 2069-2069A DOC. #521665

LOT 2 — CSM #4885 VOL. 27, PG. 4885-4885B DOC. #819291

VILLAGE OF LAKE DELTON

CITY OF WISCONSIN DELLS

CITY OF WISCONSIN DELLS

SIXTEENTH LINE

WISCONSIN DELLS PARKWAY — ALIGNMENT SHOWN ON R/W PLAT T 04-3(15) — REVISED 03/03/1980

U.S.H. 12 & S.T.H. 23

UNPLATTED LANDS

SE-SW SEC-9

NE-SW SEC-9

NW-SW SEC-9

SW-SE SEC-9

STA. 692+80.40

ALIGNMENT INFORMATION

PARTIAL CURVE 2
135 TO PC STA 670+26.64
L = 1597.83'
R = 3827.36'
LCH = 1586.26'
LCB = S12°59'47"W

PARTIAL CURVE 2
134 TO STA 692+80.40
L = 552.45'
R = 3827.36'
LCH = 551.97'
LCB = N30°38'26"E

PARTIAL CURVE 2
STA 692+80.40 TO PT STA 694+72.63
L = 192.23'
R = 3827.36'
LCH = 192.21'
LCB = N36°12'52"E

CURVE 2
PI STA = 682+93.03
Y = 288717.218
X = 637781.564
Δ = 36°37'00" RT
D = 1°29'49"
T = 1266.39'
L = 2445.99'
R = 3827.36'
PC STA = 670+26.64
PT STA = 694+72.63
DB = N01°02'12"E
DA = N37°39'12"E

PARTIAL CURVE 2
135 TO 134
L = 103.48'
R = 3827.36'
LCH = 103.48'
LCB = N25°43'51"E

(100) FRONTIER NORTH INC. DBA FRONTIER COMMUNICATIONS OF WI LLC — NO EASEMENT OF RECORD PROVIDED — AFFECTS PARCEL 19

(103) SPECTRUM MID-AMERICA, LLC DBA SPECTRUM — NO EASEMENT OF RECORD PROVIDED — AFFECTS PARCELS 15 AND 19

(106) ALLIANT ENERGY - ELECTRIC — NO EASEMENT OF RECORD PROVIDED — AFFECTS PARCELS 15, 18, 19 AND 20

(107) SANITARY SEWER EASEMENT VILLAGE OF LAKE DELTON DOC. 788420 AFFECTS PARCEL 15

(108) VILLAGE OF LAKE DELTON - WATER — NO EASEMENT OF RECORD PROVIDED — AFFECTS PARCELS 18, 19 AND 20

16.5' WIDE DRIVEWAY EASEMENT DOC. 522345 AFFECTS PARCEL 18

TLE - GRADING 750 SQ. FT.

TLE - GRADING 3903 SQ. FT.

TLE - GRADING 11729 SQ. FT.

TLE - GRADING 10079 SQ. FT.

TLE - GRADING 10236 SQ. FT.

PLE - UTILITY

PLE - UTILITY & RETAINING WALL

PARCEL 19 DETAIL
N.T.S.

PARCEL 20 DETAIL
N.T.S.

SHEET LOCATION
T-13-N R-6-E
BIRCHWOOD TROUT RD
H 87 89 23 12 13
L. Delton
Lake Delton
Wi.
CITY OF WISCONSIN DELLS
VILLAGE OF LAKE DELTON
LOCATION SKETCH NOT TO SCALE

BASIS OF EXISTING RIGHT-OF-WAY AND ACCESS CONTROL	
HIGHWAY	BASIS
U.S.H.12/S.T.H.23/ WISCONSIN DELLS PARKWAY	ROW PLAT T 04-3 (15) REV. 03/03/1980
	CSM NO. 2069
	CSM NO. 4885
	PLAT OF SURVEY 15299
	RESTRICTED ACCESS DOC. 334077

UTILITY INTERESTS REQUIRED

UTILITY NUMBER	OWNER(S)	INTEREST REQUIRED
100	FRONTIER NORTH INC. DBA FRONTIER COMMUNICATIONS OF WI LLC	ROR
103	SPECTRUM MID-AMERICA, LLC DBA SPECTRUM	ROR
106	ALLIANT ENERGY - ELECTRIC	ROR
107	VILLAGE OF LAKE DELTON - SANITARY SEWER	ROR
108	VILLAGE OF LAKE DELTON - WATER	ROR

SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANCE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT.

PARCEL NUMBER	OWNER(S)	INTERESTS REQUIRED	R/W REQUIRED (ACRES OR S.F.) NEW	EXISTING	TOTAL	P.L.E.	T.L.E.
			SQ. FT.	SQ. FT.	SQ. FT.	SQ. FT.	SQ. FT.
15	DNL OF WISCONSIN, LLC, A WISCONSIN LIMITED LIABILITY COMPANY	TLE	---	---	---	---	10829
18	IZIK COHEN, AS TO AN UNDIVIDED 50% INTEREST, AND MILCHAEL MALKA, AS TO AN UNDIVIDED 50% INTEREST	TLE	---	---	---	---	3903
19	DELLS BOAT CO., INC.	FEE, PLE & TLE	1630	---	1630	60	11729
20	BOREAS ENTERTAINMENT LLC, A WISCONSIN LIMITED LIABILITY COMPANY	PLE & TLE	---	---	---	340	10236

GRÄEF
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275 West Wisconsin Avenue, Suite 300,
Milwaukee, WI 53203
414 / 259 1500 414 / 259 0037 fax
www.graef-usa.com

I, CARLA J. ROLLINS PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE DEPARTMENT OF TRANSPORTATION I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

original signed copy at register of deeds

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE DEPARTMENT OF TRANSPORTATION

DATE: 03/13/24

FOR COURSE, CURVE, OFFSET AND FOUND MONUMENT TABLES REFER TO EXTENSION SHEET RECORDED AS SHEET 2 OF 2.

PLAT OF SURVEY 15299
DATED 5/09/14
JAMES C. SCHROEDER
S-1607

FILE NAME : X:\ML\2021\20210212\SURVEY\TPP-USH 12_6145-01-02-AMENDMENT01_4.01-4.03.DWG
APPRAISAL PLAT DATE : 03/13/2024
PLOT DATE : 3/12/2024 3:53 PM
PLOT BY : ROLLINS, CARLA
PLOT NAME :
PLOT SCALE : 1 IN:50 FT

TRANSPORTATION PROJECT PLAT NO: 6145-01-22- 4. 03 AMENDMENT NO: 1
EXTENSION SHEET

RELOCATION ORDER: USH 12, WISCONSIN DELLS-BARABOO, CTH A TO PILGRIM DRIVE, SAUK COUNTY

NOTES:

HORIZONTAL POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM (WISCRS), SAUK COUNTY NAD83 (2007), IN U.S. SURVEY FEET. POSITIONS SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES ARE THE SAME AS GROUND DISTANCES.

NGS REFERENCE POINT DH8469
Y=289324.71
X=638326.39

FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2 OF DOCUMENT NUMBER 1252681.

SHEET 2 OF 2: COURSE, CURVE, OFFSET AND FOUND MONUMENT TABLES

4

4

R/W COURSE TABLE		
POINT	BEARING	DISTANCE
137 - 138	S27°51'58"W	241.72'
138 - 139	S33°34'23"W	140.13'
139 - 140	S00°37'59"W	16.42'
140 - 165	N89°22'01"W	17.10'
165 - 136	SEE CURVE 17	
136 - 135	N89°22'01"W	44.08'
135 - 134	SEE PARTIAL CURVE ALIGNMENT	
134 - 133	N89°05'59"W	66.43'
133 - 141	SEE CURVE 18	
141 - 142	N37°39'12"E	721.94'
142 - 143	S52°20'48"E	61.50'
143 - 144	S37°39'12"W	77.16'
144 - 145	S83°38'04"E	45.05'
145 - 146	S37°39'12"W	668.17'
146 - 166	SEE CURVE 19	
166 - 137	S27°51'58"W	15.17'
133 - 157	SEE CURVE 30	
157 - 141	SEE CURVE 31	

R/W STATION & OFFSET TABLE		
PT #	STATION	OFFSET
133	686+99.69	60.01' LT
134	687+27.95	0.00'
135	686+24.47	0.00'
136	686+42.82	40.13' RT
137	692+20.74	40.50' RT
138	689+76.47	58.16' RT
139	688+34.79	47.39' RT
140	688+20.01	54.94' RT
141	694+78.06	61.50' LT
142	702+00.00	61.50' LT
143	702+00.00	0.00'
144	701+22.84	0.00'
145	701+46.23	38.50' RT
146	694+78.06	38.50' RT
157	693+66.03	61.34' LT
165	688+12.09	39.73' RT
166	692+35.98	38.88' RT

PLE COURSE TABLE		
POINT	BEARING	DISTANCE
145 - 526	S83°38'04"E	1.76'
526 - 527	S37°39'12"W	114.58'
527 - 528	S52°20'48"E	4.78'
528 - 529	S37°39'12"W	17.37'
529 - 530	S52°20'48"E	3.72'
530 - 531	S37°39'12"W	6.00'
531 - 532	N52°20'48"W	10.00'
532 - 146	S37°39'12"W	531.13'
533 - 534	S51°27'24"E	10.00'
534 - 535	S37°39'12"W	6.00'
535 - 536	N51°27'24"W	10.00'
536 - 146	S37°39'12"W	102.65'
532 - 145	N37°39'12"E	137.04'
145 - 533	S37°39'12"W	577.23'
536 - 533	N37°39'12"E	6.00'

PLE STATION & OFFSET TABLE		
PT #	STATION	OFFSET
526	701+47.15	40.00' RT
527	700+32.56	40.00' RT
528	700+32.56	44.78' RT
529	700+15.20	44.78' RT
530	700+15.20	48.50' RT
531	700+09.20	48.50' RT
532	700+09.20	38.50' RT
533	695+86.71	38.50' RT
534	695+86.56	48.50' RT
535	695+80.55	48.50' RT
536	695+80.71	38.50' RT

TLE STATION & OFFSET TABLE		
PT #	STATION	OFFSET
737	686+97.38	65.01' LT
738	686+52.12	60.10' RT
741	688+23.73	62.05' RT
742	688+26.28	66.89' RT
743	687+47.11	66.89' RT
744	687+47.09	59.88' RT
745	688+46.19	65.35' LT
746	688+46.21	60.35' LT
747	695+28.06	61.50' LT
748	695+28.06	76.50' LT
749	702+00.00	76.50' LT
750	701+64.47	68.50' RT
751	699+06.23	68.50' RT
752	699+06.23	53.50' RT
753	695+99.01	53.50' RT
754	695+99.11	58.50' RT
755	695+01.03	58.50' RT
756	695+01.03	48.50' RT
757	694+90.74	48.50' RT
758	692+33.71	48.88' RT
759	692+33.72	53.88' RT
760	691+52.03	54.07' RT
761	690+17.28	63.30' RT
797	700+31.89	68.50' RT
798	700+31.89	138.50' RT
799	699+87.57	138.50' RT
800	699+87.57	68.50' RT
807	688+44.67	51.32' RT

R/W CURVE TABLE				
CURVE	LONG CHORD BEARING (LCB)	LONG CHORD DISTANCE (LCH)	LENGTH OF CURVE (L)	RADIUS (R)
17	S26°21'40"W	167.49'	167.50'	3769.80'
18	N31°48'00"E	789.29'	790.66'	3869.80'
19	S35°49'55"W	239.65'	239.69'	3769.80'
30	N30°57'29"E	676.05'	676.92'	3869.80'
31	N36°48'41"E	113.74'	113.74'	3869.80'

FOUND MONUMENT TABLE				
PT #	Y (NORTHING)	X (EASTING)	DESCRIPTION	PERPENDICULAR DIST. TO EXISTING R/W
61147	290228.226	639003.141	5/8" REBAR	5.60' NW
61148	290038.225	638856.431	5/8" REBAR	5.52' NW
61149	289430.817	638403.913	5/8" REBAR	2.28' SE
61150	289148.192	638238.639	1" O.D.	3.35' NW

TPP NUMBER 6145-01-22 -
4.03 AMENDMENT NO:1
SHEET 2 OF 2

FILE NAME : X:\ML\2021\20210212\SURVEY\TPP-USH 12_6145-01-02-AMENDMENT01_4.01-4.03.DWG
APPRAISAL PLAT DATE : 03/13/2024

PLOT DATE : 3/12/2024 3:53 PM PLOT BY : ROLLINS, CARLA PLOT NAME : PLOT SCALE : 1 IN:50 FT

6145-01-22 4.03A1

DOCUMENT #: **1253473**
Recorded: 08-30-2023 at 1:22 PM
BRENT BAILEY
SAUK COUNTY REGISTER OF DEEDS
REGISTRAR'S OFFICE
Sauk Co, WI
RECEIVED FOR RECORD
Fee Amount: $25.00
This document has been filed electronically

TRANSPORTATION PROJECT PLAT NO: 6145-01-22- 4. 04

THAT PART OF LOT 1, CSM NO. 6496 AS AMENDED BY AFFADAVIT OF CORRECTION DOC. NO. 1158792 AS RECORDED IN THE OFFICE OF THE REGISTER OF DEEDS, SAUK COUNTY, WISCONSIN AND THOSE PARTS OF THE NORTHWEST 1/4 OF THE SOUTHEAST 1/4 AND THE NORTHEAST 1/4 OF THE SOUTHEAST 1/4 OF SECTION 9, TOWNSHIP 13 NORTH, RANGE 6 EAST, CITY OF WISCONSIN DELLS, SAUK COUNTY, WISCONSIN.

RELOCATION ORDER: USH 12, WISCONSIN DELLS-BARABOO, CTH A TO PILGRIM DRIVE, SAUK COUNTY

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09, AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

SCALE, FEET
0 50 100

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 6145-01-22-4.04

NOTES:

HORIZONTAL POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM (WISCRS), SAUK COUNTY NAD83 (2007), IN U.S. SURVEY FEET. POSITIONS SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES ARE THE SAME AS GROUND DISTANCES.

NGS REFERENCE POINT DH8469
Y=289324.71
X=638326.39

ALL NEW RIGHT-OF-WAY MONUMENTS WILL BE TYPE 2 (TYPICALLY ¾" X 24" IRON REBARS), UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

FOR THE CURRENT ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN LA CROSSE/SOUTHWEST REGION.

FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2 OF DOCUMENT NUMBER 1252681.

SIXTEENTH LINES WERE ESTABLISHED BY SECTION BREAKDOWN OF OBSERVED PLSS MONUMENTS.

FOUND HARRISON MONUMENT
POINT #45005
Y=288847.539
X=638441.365

COMPUTED BY INTERSECTION OF QUARTER CORNERS
Y=291517.898
X=638442.315

N00°01'13"E 2670.36'
1/4 SECTION LINE

(100) FRONTIER NORTH INC, DBA FRONTIER COMMUNICATIONS OF WI LLC
NO EASEMENT OF RECORD PROVIDED
AFFECTS PARCELS 15 AND 22

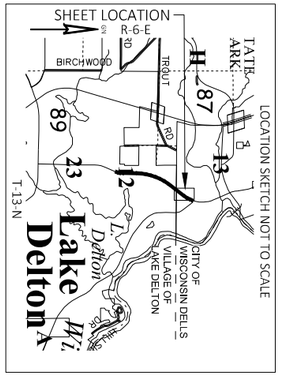
(103) SPECTRUM MID-AMERICA, LLC DBA SPECTRUM
NO EASEMENT OF RECORD PROVIDED
AFFECTS PARCELS 22, 24 AND 25

(104) CITY OF WISCONSIN DELLS - ELECTRIC
NO EASEMENT OF RECORD PROVIDED
AFFECTS PARCEL 22

(105) CITY OF WISCONSIN DELLS - WATER
NO EASEMENT OF RECORD PROVIDED
AFFECTS PARCEL 22

TLE STATION & OFFSET TABLE		
PT #	STATION	OFFSET
749	702+00.00	76.50' LT
750	701+64.47	68.50' RT
762	716+40.03	58.65' RT
763	715+68.46	57.50' RT
764	715+09.64	139.22' RT
765	715+24.74	151.04' RT
766	714+62.84	244.97' RT
767	714+48.73	232.50' RT
768	714+03.86	187.10' RT
769	713+91.93	179.53' RT
770	714+05.49	147.40' RT
771	713+98.60	86.06' RT
772	713+75.65	59.56' RT
773	711+87.52	59.80' RT
774	711+42.85	59.79' RT
775	709+32.92	54.49' RT
776	708+23.23	55.04' RT
778	707+14.24	53.74' RT
779	703+89.53	52.91' RT
780	703+89.18	68.50' RT
781	702+95.11	76.50' LT
782	704+11.74	128.86' LT
783	704+23.91	128.86' LT
784	704+23.91	61.50' LT
785	707+53.41	68.23' LT
786	707+53.50	78.23' LT
787	708+02.51	77.67' LT
788	709+34.18	74.74' LT
793	715+16.89	86.36' LT
794	715+16.95	76.36' LT
802	714+04.38	94.54' RT
803	714+13.91	111.86' RT
804	714+22.40	140.79' RT

SHEET LOCATION



LOCATION SKETCH NOT TO SCALE

CITY OF WISCONSIN DELLS

PLAT OF SURVEY 5055
DATED 10/19/79
JOHN A. BRENEMAN
S-1274

OF

WISCONSIN DELLS

PLAT OF SURVEY 5055
DATED 10/19/79
JOHN A. BRENEMAN
S-1274

VILLAGE OF LAKE DELTON

SEE TPP 6145-01-22- 4.03

SIXTEENTH LINE

SW-SE SEC-9

NW-SE SEC-9

NE-SE SEC-9

SCHEDULE OF OFF PREMISE SIGN STRUCTURES

SIGN NUMBER	SIGN OWNER	OASIS NUMBER
22-1	VACATIONLAND SIGNS	N/A
22-2	SIGN OF UNKNOWN ORIGIN	N/A
22-3	VACATIONLAND SIGNS	N/A
22-4	VACATIONLAND SIGNS	N/A
22-5	RIVERVIEW PARK-H2O WORLD C/O VACATIONLAND	N/A
22-6	RIVERVIEW PARK-H2O WORLD C/O VACATIONLAND	N/A
22-7	DELLS DELTON UNITED METHODIST CHURCH AND HOLY CROSS EPISCOPAL CHURCH	N/A
22-8	MEXICALI ROSE RESTAURANT	N/A
22-9	VACATIONLAND SIGNS	N/A
22-10	VACATIONLAND SIGNS	N/A
22-11	VACATIONLAND SIGNS	N/A

R/W COURSE TABLE		
POINT	BEARING	DISTANCE
147 - 148	SEE CURVE 20	
148 - 149	S19°25'11"W	223.57'
149 - 150	SEE CURVE 21	
150 - 151	SEE CURVE 22	
151 - 152	S39°45'31"W	21.05'
152 - 145	S37°39'12"E	505.54'
145 - 144	N83°38'04"W	45.05'
144 - 143	N37°39'12"E	77.16'
143 - 142	N52°20'48"W	61.50'
142 - 153	N37°39'12"E	600.56'
153 - 154	SEE CURVE 23	
154 - 155	SEE CURVE 24	
155 - 156	S89°36'45"E	78.95'
156 - 147	S89°36'45"E	50.02'

R/W STATION & OFFSET TABLE		
PT #	STATION	OFFSET
142	702+00.00	61.50' LT
143	702+00.00	0.00'
144	701+22.84	0.00'
145	701+46.23	38.50' RT
147	716+37.69	48.61' RT
148	715+75.96	47.62' RT
149	713+57.03	43.81' RT
150	708+75.54	34.00' RT
151	706+74.15	34.00' RT
152	706+53.11	34.00' RT
153	708+02.27	67.67' LT
154	709+34.25	64.73' LT
155	716+06.57	76.59' LT
156	716+26.05	0.00'

R/W CURVE TABLE				
CURVE	LONG CHORD BEARING (LCB)	LONG CHORD DISTANCE (LCH)	LENGTH OF CURVE (L)	RADIUS (R)
20	S15°34'08"W	63.13'	63.13'	2133.70'
21	S29°00'26"W	489.33'	490.41'	2133.70'
22	S37°02'59"W	204.53'	204.61'	2164.00'
23	N35°51'05"E	127.89'	127.91'	2033.70'
24	N22°40'59"E	647.43'	649.54'	2320.28'
28	S25°21'13"W	218.19'	218.29'	2133.70'
29	S37°26'40"W	174.75'	174.80'	2164.00'
34	N34°44'09"E	29.81'	29.81'	2164.00'
35	N31°56'17"E	271.94'	272.13'	2133.70'
36	S46°47'15"E	50.43'	50.57'	196.18'

PLE STATION & OFFSET TABLE		
PT #	STATION	OFFSET
526	701+47.15	40.00' RT
537	711+42.98	39.68' RT
538	711+42.96	40.52' RT
539	709+94.83	42.28' RT
540	708+46.06	43.11' RT
541	708+46.20	34.00' RT
542	701+63.94	38.50' RT
543	701+63.94	40.00' RT

PLE COURSE TABLE		
POINT	BEARING	DISTANCE
149 - 537	SEE CURVE 28	
537 - 538	S61°42'56"E	0.84'
538 - 539	S28°28'19"W	150.99'
539 - 540	S32°49'12"W	151.73'
540 - 541	S53°55'49"W	9.11'
541 - 150	SEE CURVE 34	
150 - 137	SEE CURVE 35	
152 - 542	S37°39'12"W	487.83'
542 - 543	S52°20'48"E	1.50'
543 - 526	S37°39'12"W	16.80'
526 - 145	N83°38'04"W	1.76'
145 - 542	N37°39'12"E	17.71'

BASIS OF EXISTING RIGHT-OF-WAY	
HIGHWAY	BASIS
U.S.H. 12/S.T.H. 23/ WISCONSIN DELLS PARKWAY	ROW PLAT T 04-3 (15) REV. 03/03/1980
	PLAT OF SURVEY 5055
	CSM NO. 6496
CTH A	ROW PLAT T 04-3 (15) REV. 03/03/1980

ALIGNMENT INFORMATION

PARTIAL CURVE 3
156 TO PC STA 706+74.15

L = 951.90'
R = 2130.00'
LCH = 944.00'
LCB = S26°57'21"W

PARTIAL CURVE 3
156 TO PT STA 730+49.86

L = 1423.81'
R = 2130.00'
LCH = 1397.44'
LCB = N04°59'49"W

CURVE 3
PI STA = 720+02.67
Y = 291689.103
X = 640142.963
Δ = 63°54'19" LT
D = 2°41'24"
T = 1328.52'
L = 2375.71'
R = 2130.00'
PC STA = 706+74.15
PT STA = 730+49.86
DB = N39°45'31"E
DA = N24°08'48"W

PI: 705+29.98
Y = 290556.973
X = 639201.096
Δ = 2°06'19" RT

PARCEL 22 DETAIL
N.T.S.

PARCEL 23 DETAIL
N.T.S.

UNPLATTED LANDS

U.S.H. 12 & S.T.H. 23

WISCONSIN DELLS PARKWAY

C.T.H. A

SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANCE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT.

PARCEL NUMBER	OWNER(S)	INTERESTS REQUIRED	R/W REQUIRED (ACRES OR S.F.) NEW	EXISTING	TOTAL	P.L.E.	T.L.E.
			SQ. FT.	SQ. FT.	SQ. FT.	SQ. FT.	SQ. FT.
15	DNL OF WISCONSIN, LLC, A WISCONSIN LIMITED LIABILITY COMPANY	TLE	---	---	---	---	14414
22	AMANDA ERSPAMER, CATHERINE CHRISTENSON, PETER CARPENTER, ELIZABETH CARPENTER, DELLS EAST, LLC, JOHN A. MARSON AND MADGE C. MARSON REVOCABLE TRUST OF 1997, AS THEIR INTEREST MAY APPEAR	FEE, PLE & TLE	311	---	311	648	16519
23	RICHARD MAKOWSKI AND GRACE MAKOWSKI, HUSBAND AND WIFE AS SURVIVORSHIP MARITAL PROPERTY	PLE & TLE	---	---	---	760	7657
24	RRAD DEVELOPMENT, LLC, A WISCONSIN LIMITED LIABILITY COMPANY	TLE	---	---	---	---	2984
25	RICHARD MAKOWSKI	TLE	---	---	---	---	670

UTILITY INTERESTS REQUIRED

UTILITY NUMBER	OWNER(S)	INTEREST REQUIRED
100	FRONTIER NORTH INC. DBA FRONTIER COMMUNICATIONS OF WI LLC	ROR
103	SPECTRUM MID-AMERICA, LLC DBA SPECTRUM	ROR
104	CITY OF WISCONSIN DELLS - ELECTRIC	ROR
105	CITY OF WISCONSIN DELLS - WATER	ROR

THE SIGN OWNERS OF OFF PREMISE SIGNS ON PARCEL 22 ARE VACATIONLAND SIGNS, RIVERVIEW PARK-H2O WORLD, DELLS DELTON UNITED METHODIST CHURCH, HOLY CROSS EPISCOPAL CHURCH, MEXICALI ROSE RESTAURANT AND A SIGN OF UNKNOWN ORIGIN

FOUND MONUMENT TABLE

PT #	Y (NORTHING)	X (EASTING)	DESCRIPTION	PERPENDICULAR DIST. TO EXISTING R/W
61146	290852.039	639478.770	5/8" REBAR	5.22' NW

FOUND HARRISON MONUMENT
POINT #45015
Y=288867.303
X=641169.418

FOUND HARRISON MONUMENT
POINT #45016
Y=291499.616
X=641144.886

CSM #6496
DOC. #114750
AFFIDAVIT OF CORRECTION
DOC. #1158792

SECTION LINE N00°32'02"W 2632.43'

1199.99' PL N89°36'45"W 2702.63' 1/4 SECTION LINE

1373.68' COR TO 147

GRÄEF
The Avenue
275 West Wisconsin Avenue, Suite 300,
Milwaukee, WI 53203
414 / 259 1500 414 / 259 0037 fax
www.graef-usa.com

I, CARLA J. ROLLINS PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE DEPARTMENT OF TRANSPORTATION I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

original signed copy at register of deeds

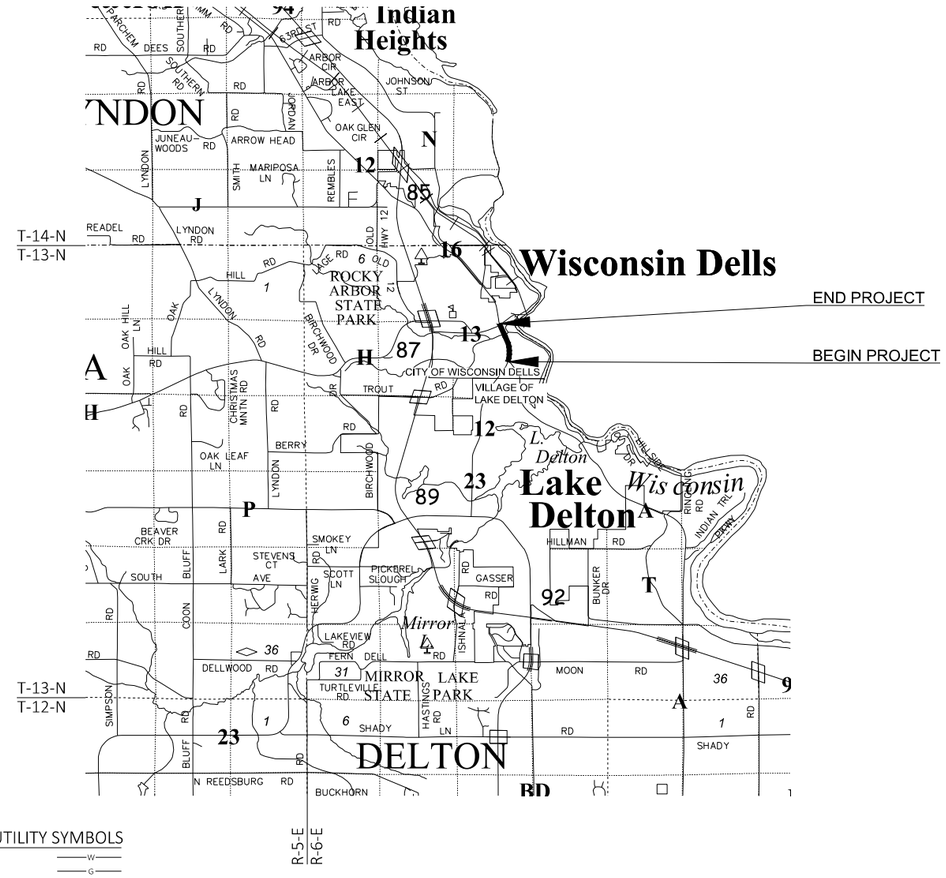
THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE DEPARTMENT OF TRANSPORTATION

DATE: 08/29/23

FILE NAME : X:\ML\2021\20210212\SURVEY\TPP-USH 12_6145-01-02.DWG
APPRAISAL PLAT DATE : 08/29/2023
PLOT DATE : 8/29/2023 7:06 PM PLOT BY : ROLLINS, CARLA PLOT NAME : PLOT SCALE : 1 IN:50 FT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
TRANSPORTATION PROJECT PLAT TITLE SHEET
6145-01-20
WISCONSIN DELLS - BARABOO
STH 13 TO CTH A
USH 12
SAUK COUNTY





CONVENTIONAL SYMBOLS

SECTION LINE
QUARTER LINE
SIXTEENTH LINE
NEW REFERENCE LINE
NEW R/W LINE
EXISTING R/W OR HE LINE
PROPERTY LINE
LOT, TIE & OTHER MINOR LINES
SLOPE INTERCEPT
CORPORATE LIMITS
UNDERGROUND FACILITY (COMMUNICATIONS, ELECTRIC, ETC)
NEW R/W (FEE OR HE) (HATCHING VARIES BY OWNER)
TEMPORARY LIMITED EASEMENT AREA
EASEMENT AREA (PERMANENT LIMITED OR RESTRICTED DEVELOPMENT)
TRANSMISSION STRUCTURES
BUILDING TO BE REMOVED
BRIDGE CULVERT

SECTION CORNER SYMBOL
SECTION CORNER MONUMENT
GEODETIC SURVEY MONUMENT
SIXTEENTH CORNER MONUMENT
SIGN
R/W MONUMENT (TO BE SET)
NON-MONUMENTED R/W POINT
FOUND IRON PIN (1-INCH UNLESS NOTED)
OFF-PREMISE SIGN

	COMPENSABLE	NON-COMPENSABLE
ELECTRIC POLE		
TELEPHONE POLE		
PEDESTAL (LABEL TYPE) (TV, TEL, ELEC, ETC.)		

ACCESS RESTRICTED BY ACQUISITION
NO ACCESS (BY STATUTORY AUTHORITY)
ACCESS RESTRICTED (BY PREVIOUS PROJECT OR CONTROL)
NO ACCESS (NEW HIGHWAY)
PARCEL NUMBER 25
UTILITY NUMBER 40
PARALLEL OFFSETS

CONVENTIONAL ABBREVIATIONS

ACCESS RIGHTS	AR	POINT OF COMPOUND CURVE	PCC
ACRES	AC	POINT OF INTERSECTION	PI
AHEAD	AH	PROPERTY LINE	PL
ALUMINUM	ALUM	RECORDED AS	(100')
AND OTHERS	ET AL	REEL / IMAGE	R/I
BACK	BK	REFERENCE LINE	R/L
BLOCK	BLK	REMAINING	REM
CENTERLINE	C/L	RESTRICTIVE DEVELOPMENT EASEMENT	RDE
CERTIFIED SURVEY MAP	CSM	RIGHT	RT
CONCRETE	CONC	RIGHT OF WAY	R/W
COUNTY	CO	SECTION	SEC
COUNTY TRUNK HIGHWAY	CTH	SEPTIC VENT	SEPV
DISTANCE	DIST	SQUARE FEET	SF
CORNER	COR	STATE TRUNK HIGHWAY	STH
DOCUMENT NUMBER	DOC	STATION	STA
EASEMENT	EASE	TELEPHONE PEDESTAL	TP
EXISTING	EX	TEMPORARY LIMITED EASEMENT	TLE
GAS VALVE	GV	TRANSPORTATION PROJECT PLAT	TPP
GRID NORTH	GN	UNITED STATES HIGHWAY	USH
HIGHWAY EASEMENT	HE	VOLUME	V
IDENTIFICATION	ID		
LAND CONTRACT	LC		
LEFT	LT		
MONUMENT	MON		
NATIONAL GEODETIC SURVEY	NGS		
NUMBER	NO		
OUTLOT	OL		
PAGE	P		
POINT OF TANGENCY	PT		
PERMANENT LIMITED EASEMENT	PLE		
POINT OF BEGINNING	POB		
POINT OF CURVATURE	PC		

CURVE DATA ABBREVIATIONS

LONG CHORD	LCH
LONG CHORD BEARING	LCB
RADIUS	R
DEGREE OF CURVE	D
CENTRAL ANGLE	Δ /DELTA
LENGTH OF CURVE	L
TANGENT	T
DIRECTION AHEAD	DA
DIRECTION BACK	DB

CONVENTIONAL UTILITY SYMBOLS

WATER —W—
GAS —G—
TELEPHONE —T—
OVERHEAD TRANSMISSION LINES —OH—
ELECTRIC —E—
CABLE TELEVISION —TV—
FIBER OPTIC —FO—
SANITARY SEWER —SAN—
STORM SEWER —SS—
ELECTRIC TOWER ☒
COMMUNICATIONS —C—

THE NOTES,CONVENTIONAL SIGNS, AND ABBREVIATIONS ARE ASSOCIATED WITH EACH TRANSPORTATION PROJECT PLAT FOR PROJECT 6145-01-20

NOTES:

HORIZONTAL POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM (WISCRS), SAUK COUNTY NAD83 (2007), IN U.S. SURVEY FEET. POSITIONS SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES ARE THE SAME AS GROUND DISTANCES.

NGS REFERENCE POINT DH8469
Y=289324.71
X=638326.39

ALL NEW RIGHT-OF-WAY MONUMENTS WILL BE TYPE 2 (TYPICALLY ¾" X 24" IRON REBARS), UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

ALL RIGHT-OF-WAY LINES DEPICTED IN THE NON-ACQUISITION AREAS ARE INTENDED TO RE-ESTABLISH EXISTING RIGHT-OF-WAY LINES AS DETERMINED FROM PREVIOUS PROJECTS, OTHER RECORDED DOCUMENTS, CENTERLINE OF EXISTING PAVEMENTS AND/OR EXISTING OCCUPATIONAL LINES.

RIGHT-OF-WAY BOUNDARIES ARE DEFINED WITH COURSES OF THE PERIMETER OF THE HIGHWAY LANDS REFERENCED TO THE U.S. PUBLIC LAND SURVEY SYSTEM OR OTHER "SURVEYS" OF PUBLIC RECORD.

DIMENSIONING FOR THE NEW RIGHT-OF-WAY IS MEASURED ALONG AND PERPENDICULAR TO THE NEW REFERENCE LINES.

A TEMPORARY LIMITED EASEMENT (TLE) IS A RIGHT FOR CONSTRUCTION PURPOSES, AS DEFINED HEREIN, INCLUDING THE RIGHT TO OPERATE NECESSARY EQUIPMENT THEREON, THE RIGHT OF INGRESS AND EGRESS, AS LONG AS REQUIRED FOR SUCH PUBLIC PURPOSE, INCLUDING THE RIGHT TO PRESERVE, PROTECT, REMOVE, OR PLANT THEREON ANY VEGETATION THAT THE HIGHWAY AUTHORITIES MAY DEEM DESIRABLE. ALL (TLEs) ON THIS PLAT EXPIRE AT THE COMPLETION OF THE CONSTRUCTION PROJECT FOR WHICH THIS INSTRUMENT IS GIVEN.

A PERMANENT LIMITED EASEMENT (PLE) IS A RIGHT FOR CONSTRUCTION AND MAINTENANCE PURPOSES, AS DEFINED HEREIN, INCLUDING THE RIGHT TO OPERATE NECESSARY EQUIPMENT THEREON AND THE RIGHT OF INGRESS AND EGRESS, AS LONG AS REQUIRED FOR SUCH PUBLIC PURPOSE, INCLUDING THE RIGHT TO PRESERVE, PROTECT, REMOVE, OR PLANT THEREON ANY VEGETATION THAT THE HIGHWAY AUTHORITIES MAY DEEM DESIRABLE, BUT WITHOUT PREJUDICE TO THE OWNER'S RIGHTS TO MAKE OR CONSTRUCT IMPROVEMENTS ON SAID LANDS OR TO FLATTEN THE SLOPES, PROVIDING SAID ACTIVITIES WILL NOT IMPAIR OR OTHERWISE ADVERSELY AFFECT THE HIGHWAY FACILITIES.

AN EASEMENT FOR HIGHWAY PURPOSES (HE), AS LONG AS SO USED, INCLUDING THE RIGHT TO PRESERVE, PROTECT, REMOVE, OR PLANT THEREON ANY VEGETATION THAT THE HIGHWAY AUTHORITIES MAY DEEM DESIRABLE.

PROPERTY LINES SHOWN ON THIS PLAT FOR PROPERTIES BEING IMPACTED ARE DRAWN FROM DATA DERIVED FROM FILED/RECORDED MAPS AND DOCUMENTS OF PUBLIC RECORD. THIS PLAT MAY NOT BE A TRUE REPRESENTATION OF EXISTING PROPERTY LINES, EXCLUDING RIGHT-OF-WAY, AND SHOULD NOT BE USED AS SUBSTITUTE FOR AN ACCURATE FIELD SURVEY.

FOR THE CURRENT ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN LA CROSSE/SOUTHWEST REGION.

PARCEL AND UTILITY IDENTIFICATION NUMBERS MAY NOT POINT TO ALL AREAS OF ACQUISITION, AS NOTED ON THE TPP DETAIL PAGES.

INFORMATION FOR THE BASIS OF EXISTING HIGHWAY RIGHT-OF-WAY POINTS OF REFERENCE AND ACCESS CONTROL ARE LISTED ON THE TPP DETAIL PAGES.

FILE NAME : X:\ML\2021\20210212\SURVEY\TPP-USH 12_6145-01-00.DWG
LAYOUT NAME: TPP-TITLE
PLOT DATE : 6/30/2023 1:05 PM PLOT BY : ROLLINS, CARLA

DOCUMENT #: **1275097**
Recorded: 04-30-2025 at 3:33 PM
BRENT BAILEY
SAUK COUNTY REGISTER OF DEEDS
REGISTRAR'S OFFICE
Sauk Co, WI
RECEIVED FOR RECORD
Fee Amount: $25.00
This document has been filed electronically

TRANSPORTATION PROJECT PLAT NO: 6145-01-20- 4. 01 AMENDMENT NO: 2

REMOVES UTILITY NUMBER 104 AND ADDS UTILITY NUMBER 106 OF TRANSPORTATION PROJECT PLAT NO: 6145-01-20- 4.01 AMENDMENT NO 1 RECORDED AS DOCUMENT NO: 1259243

THOSE PARTS OF LOTS 1 AND 3, CSM NO. 6833 ALONG WITH THAT PART OF GOVERNMENT LOT 2, SECTION 9, TOWNSHIP 13 NORTH, RANGE 6 EAST AND ALSO THOSE PARTS OF THE SOUTHWEST 1/4 OF THE NORTHEAST 1/4 OF SECTION 9, TOWNSHIP 13 NORTH, RANGE 6 EAST, CITY OF WISCONSIN DELLS, SAUK COUNTY, WISCONSIN.

RELOCATION ORDER USH 12, WISCONSIN DELLS-BARABOO, STH 13 TO CTH A, SAUK COUNTY

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09, AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

UTILITY INTERESTS REQUIRED		
UTILITY NUMBER	OWNER(S)	INTEREST REQUIRED
100	FRONTIER NORTH INC. DBA FRONTIER COMMUNICATIONS OF WI LLC	ROR
101	CITY OF WISCONSIN DELLS - SANITARY SEWER	ROR
106	WISCONSIN POWER AND LIGHT COMPANY DBA ALLIANT ENERGY - ELECTRIC	ROR

R/W COURSE TABLE		
POINT	BEARING	DISTANCE
101 - 102	N89°36'45"W	50.02'
102 - 103	N89°36'45"W	78.95'
103 - 104	N06°04'03"E	231.89'
104 - 105	SEE CURVE 2	
105 - 106	N18°50'51"W	579.11'
106 - 107	S89°11'40"E	137.19'
107 - 108	S89°11'40"E	64.56'
108 - 101	SEE CURVE 3	
108 - 109	S89°11'40"E	32.41'

TLE STATION & OFFSET TABLE		
PT #	STATION	OFFSET
700	719+10.72	52.52' RT
701	717+93.26	60.94' RT
702	716+65.69	59.05' RT
703	716+46.23	58.75' RT
704	716+40.02	58.65' RT

FOUND MONUMENT TABLE				
PT #	Y (NORTHING)	X (EASTING)	DESCRIPTION	PERPENDICULAR DIST. TO EXISTING R/W
74130	292537.628	639592.015	2-1/4"	0.66' NE
74131	292507.759	639602.650	5/8" REBAR	0.24' NE
74132	292285.117	639679.200	5/8" REBAR	1.76' SW
74133	292023.065	639844.499	REBAR W/G&A SURVEYING CAP	3.41' W

SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANCE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT.

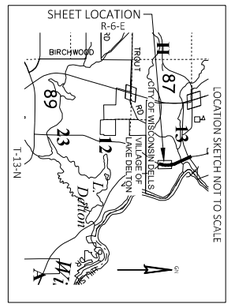
PARCEL NUMBER	OWNER(S)	INTERESTS REQUIRED	R/W REQUIRED (ACRES OR S.F.) NEW SQ. FT.	EXISTING SQ. FT.	TOTAL SQ. FT.	P.L.E. SQ. FT.	T.L.E. SQ. FT.
1	TOLLAKSEN FAMILY, LLC, A WISCONSIN LIMITED LIABILITY COMPANY	TLE	---	---	---	---	174
2	ANIMAL ENTERTAINMENTS, INC., A WISCONSIN CORPORATION	TLE	---	---	---	---	2712
3	RIVERVIEW BOAT LINE, A WISCONSIN CORPORATION	PLE & TLE	---	---	---	611	354
9	EAT'S PICNIC GROVE, LLC, A WISCONSIN LIMITED LIABILITY COMPANY	TLE	---	---	---	---	120

BASIS OF EXISTING RIGHT-OF-WAY AND ACCESS CONTROL	
HIGHWAY	BASIS
U.S.H. 12/S.T.H. 23/ WISCONSIN DELLS PKWY.	ROW PLAT T 04-3 (15) REV. 10/18/1962
	PLAT OF SURVEY 29-4-136
	PLAT OF SURVEY 10690
	CSM #6121
	DELLS ONE PLAT
	CSM #6833

SCALE, FEET 0 50 100 GN

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 6145-01-20-4.01
SHEET 1 OF 1
AMENDMENT NO: 2

SHEET LOCATION



COMPUTED BY INTERSECTION OF QUARTER CORNERS
Y=291517.898
X=638442.315

T 13 N R 6 E 9

NW-SE SEC-9

1199.99' LINE
2702.63' 1/4 CORNER TO 1/4 CORNER

CITY

UNPLATTED LANDS

PLAT OF SURVEY 29-4-136
DATED DECEMBER, 1976
ALLEN D. RHODE
S-1191

CSM #6121
VOL. 36, PG. 6121
DOC. #1062196
LOT 1

SW-NE SEC-9

PLAT OF SURVEY 10690
DATED 3/18/2002
MARK C. CARLSON
S-2021

UNPLATTED LANDS

DELLS ONE PLAT
DOC. #767042

NORTH LINE OF THE SW 1/4 OF THE NE 1/4
GOVERNMENT LOT 1

LOT 9

SEE TPP 6145-01-20- 4.02

TLE - DRIVEWAY
174 SQ. FT.
1

716+94.19
91.50'LT
716+94.66
87.63'LT
717+22.63
94.50'LT
717+56.10
93.21'LT

20' WIDE ACCESS EASEMENT CSM 6121
DOC. 1062196
AFFECTS PARCEL 1

22' WIDE EASEMENT FOR FRONTAGE ROAD - EASEMENT NOT DEDICATED TO THE PUBLIC
DOC. 1045149
RECORDED DEC. 29, 2011

74130 IP
74131 IP
74132 IP
74133 IP

TLE - DRIVEWAY
120 SQ. FT.
9

728+87.21
59.48'RT
728+30.55
59.40'RT
728+87.06
74.55'RT
728+30.73
84.47'RT
728+68.46
84.53'RT
728+68.56
74.44'RT

SHOWN ONLY FOR REFERENCE

S89°11'40"E

PL-RW

WISCONSIN DELLS PARKWAY U.S.H. 12 & S.T.H. 23

ALIGNMENT SHOWN ON R/W PLAT T 04-3(15) REVISED 10/18/1962

SIXTEENTH LINE

CURVE 1
CURVE 2
CURVE 3

STA 717+28.89 =
STA 185+01.59 PROJ. T 04-3(15)

716 718 720 722 724 726 728
704 700 701 702 703

102 101 103 104 105 106 107 108 109

100' 50' 10'

TLE - GRADING
1564 SQ. FT.
2

TLE - GRADING
278 SQ. FT.
3

TLE - GRADING
76 SQ. FT.
3

CURVE 4
CURVE 5
CURVE 6
500 501 503

PLE - SANITARY SEWER
3
502

VARIABLE WIDTH PRIVATE ACCESS EASEMENT AND RESERVATION FOR FUTURE DEDICATION AS A PUBLIC STREET
DOC. 1190908
AFFECTS PARCEL 2

1373.68' N89°36'45"W 1/4 SECTION

RECIPROCAL STORM WATER EASEMENT
DOC. 1190908
AFFECTS PARCELS 2 AND 3

FOUND HARRISON MONUMENT
POINT #45016
Y=291499.616
X=641144.886

T 13 N R 6 E 9 10

ALIGNMENT INFORMATION

CURVE 1
PI STA = 720+02.67
Y = 291689.103
X = 640142.963
Δ = 63°54'19" LT
D = 2°41'24"
T = 1328.52'
L = 2375.71'
R = 2130.00'
PC STA = 706+74.15
PT STA = 730+49.86
DB = N39°45'31"E
DA = N24°08'48"W

PARTIAL CURVE
102 TO PC STA 706+74.15
L = 951.90'
R = 2130.00'
LCH = 944.00'
LCB = S26°57'21"W

PARTIAL CURVE
102 TO 107
L = 1354.78'
R = 2130.00'
LCH = 1332.05'
LCB = N04°04'06"W

PARTIAL CURVE
107 TO PT STA 730+49.86
L = 69.03'
R = 2130.00'
LCH = 69.03'
LCB = N23°13'06"W

PARCEL 3 DETAIL
N.T.S.

PLE STATION & OFFSET TABLE		
PT #	STATION	OFFSET
500	716+46.27	48.75' RT
501	716+65.82	49.05' RT
502	716+65.45	77.83' RT
503	716+46.14	81.09' RT

PLE COURSE TABLE		
POINT	BEARING	DISTANCE
101 - 500	SEE CURVE 4	
500 - 501	SEE CURVE 5	
501 - 502	S76°08'36"E	28.78'
502 - 503	S04°05'03"W	20.29'
503 - 500	N76°08'36"W	32.35'
501 - 108	SEE CURVE 6	

R/W CURVE TABLE				
CURVE	LONG CHORD BEARING (LCB)	LONG CHORD DISTANCE (LCH)	LENGTH OF CURVE (L)	RADIUS (R)
2	N01°01'18"E	551.52'	553.31'	1983.70'
3	S03°26'45"E	1330.53'	1353.09'	2133.70'
4	N14°36'12"E	8.78'	8.78'	2133.70'
5	N14°13'01"E	20.00'	20.00'	2133.70'
6	N03°49'56"W	1303.15'	1324.31'	2133.70'

LOT 2
CSM #6833
VOL. 41, PG. 6833
DOC. #1190683

GOVERNMENT LOT 2 (FRACTIONAL) SEC-9

LOT 1
CSM #6833
VOL. 41, PG. 6833
DOC. #1190683

LIGHT ENCROACHMENT EASEMENT
DOC. 1190905
AFFECTS PARCEL 2

RECIPROCAL STORM WATER EASEMENT
DOC. 1190908
AFFECTS PARCELS 2 AND 9

100 GENERAL UTILITY EASEMENT
CSM #6833
DOC. 1190683
AFFECTS PARCEL 2

100 FRONTIER NORTH DBA FRONTIER COMMUNICATIONS OF WI LLC
NO EASEMENT OF RECORD PROVIDED
AFFECTS PARCELS 2 AND 9

101 VARIABLE WIDTH PUBLIC SANITARY SEWER EASEMENT CITY OF WISCONSIN DELLS - SANITARY SEWER
CSM #6833
DOC. 1190683
AFFECTS PARCELS 2 AND 3

106 30' WIDE UTILITY EASEMENT CITY OF WISCONSIN DELLS - ELECTRIC
DOC. 323357
AFFECTS PARCEL 9

RECIPROCAL BLANKET PARKING AND ACCESS EASEMENTS
DOC. 1190905
AFFECTS PARCELS 2 AND 9

CONTINUATION OF JOINT PARKING AND DRIVEWAY EASEMENT
DOC. 1190908
AFFECTS PARCEL 9

BLANKET SURFACE WATER DRAINAGE EASEMENT
DOC. 1190908
AFFECTS PARCEL 9

CROSS-OVER RECIPROCAL PARKING AND ACCESS EASEMENTS
DOC. 1190683
AFFECTS PARCELS 2, 3 AND 9

RECIPROCAL STORM WATER EASEMENT
DOC. 1190908
AFFECTS PARCEL 9

RECIPROCAL BLANKET PARKING AND ACCESS EASEMENTS
DOC. 1190905
AFFECTS PARCELS 2 AND 9

TLE - DRIVEWAY
1148 SQ. FT.
2

LOT 3
CSM #6833
VOL. 41, PG. 6833
DOC. #1190683

GOVERNMENT LOT 2
GOVERNMENT LOT 1
SIXTEENTH LINE

WISCONSIN DELLS

R/W STATION & OFFSET TABLE		
PT #	STATION	OFFSET
101	716+37.69	48.61' RT
102	716+26.05	0.00'
103	716+06.57	76.59' LT
104	718+47.46	98.33' LT
105	724+26.57	92.37' LT
106	730+38.02	125.47' LT
107	729+80.83	0.00'
108	729+56.19	59.53' RT
109	729+44.32	89.53' RT

NOTES:

HORIZONTAL POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM (WISCRS), SAUK COUNTY NAD83 (2007), IN U.S. SURVEY FEET. POSITIONS SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES ARE THE SAME AS GROUND DISTANCES.

ALL NEW RIGHT-OF-WAY MONUMENTS WILL BE TYPE 2 (TYPICALLY ¾" X 24" IRON REBARS), UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

NGS REFERENCE POINT DH8469
Y=289324.71
X=638326.39

FOR THE CURRENT ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN LA CROSSE/SOUTHWEST REGION.

FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2 OF DOCUMENT NUMBER 1251442.

SIXTEENTH LINES WERE ESTABLISHED BY SECTION BREAKDOWN OF OBSERVED PLSS MONUMENTS.

GRÄEF
The Avenue
275 West Wisconsin Avenue, Suite 300,
Milwaukee, WI 53203
414 / 259 1500 414 / 259 0037 fax
www.graef-usa.com

I, CARLA J. ROLLINS PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE DEPARTMENT OF TRANSPORTATION I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

original signed copy at register of deeds

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE DEPARTMENT OF TRANSPORTATION

SIGNATURE: Emily Hemling DATE: 04/29/25

PRINT NAME: EMILY HEMLING

803

FILE NAME : X:\ML\2021\20210212\SURVEY\TPP-USH 12_6145-01-00-AMENDMENT02_4.01.DWG
PLOT DATE : 4/28/2025 5:41 PM PLOT BY : GARCIA, LUIS PLOT NAME : PLOT SCALE : 1 IN:50 FT
APPRAISAL PLAT DATE : 04/29/2025

6145-01-20 4. 01A2

TRANSPORTATION PROJECT PLAT NO: 6145-01-20- 4. 02 AMENDMENT NO: 1

AMENDS UTILITY NUMBER 100 AND REMOVES UTILITY NUMBER 103 OF TRANSPORTATION PROJECT PLAT NO: 6145-01-20- 4.02 RECORDED AS DOCUMENT NO: 1251741

THOSE PARTS OF LOTS 4 , 5, AND 6, DELLS ONE PLAT IN GOVERNMENT LOT 1, SECTION 9, TOWNSHIP 13 NORTH, RANGE 6 EAST, CITY OF WISCONSIN DELLS, SAUK COUNTY, WISCONSIN.

RELOCATION ORDER USH 12, WISCONSIN DELLS-BARABOO, STH 13 TO CTH A, SAUK COUNTY

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09, AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

DELLS ONE PLAT
DOC. #767042

BLANKET RECIPROCAL PEDESTRIAN EASEMENTS
DOC. 766864
AFFECTS PARCELS 4, 5 AND 7

BLANKET RECIPROCAL COMMON COMPONENT EASEMENTS
DOC. 766864
AFFECTS PARCELS 4, 5 AND 7

BLANKET RECIPROCAL SURFACE WATER DRAINAGE EASEMENTS
DOC. 766864
AFFECTS PARCELS 4, 5 AND 7

BLANKET DRAINAGE EASEMENT
DOC. 774783
DOC. 1076476
AFFECTS PARCEL 7

BLANKET SIGN EASEMENT
DOC. 774783
DOC. 1076476
AFFECTS PARCEL 7

BLANKET RECIPROCAL ACCESS EASEMENTS
DOC. 766864
AFFECTS PARCELS 4, 5 AND 7

BLANKET RECIPROCAL CONSTRUCTION EASEMENTS
DOC. 766864
AFFECTS PARCELS 4, 5 AND 7

BLANKET RECIPROCAL FIRE AND EMERGENCY ACCESS EASEMENTS
DOC. 766864
AFFECTS PARCELS 4, 5 AND 7

(100) FRONTIER NORTH INC. DBA FRONTIER COMMUNICATIONS OF WI LLC
NO EASEMENT OF RECORD PROVIDED
AFFECTS PARCELS 4 AND 5

(101) UTILITY EASEMENT TO CITY OF WISCONSIN DELLS, AND COLUMBIA, JUNEAU AND SAUK COUNTIES
DOC. 389475
AFFECTS PARCEL 5

(101) SANITARY SEWER EASEMENT CITY OF WISCONSIN DELLS - SEWER
DOC. 1030538
AFFECTS PARCELS 4 AND 5

(101) SANITARY SEWER EASEMENT CITY OF WISCONSIN DELLS - SEWER
DOC. 1036390
AFFECTS PARCEL 4

(101) LIFT STATION EASEMENT CITY OF WISCONSIN DELLS - SEWER
DOC. 767042
AFFECTS PARCEL 7

(102) WISCONSIN POWER AND LIGHT COMPANY
DBA ALLIANT ENERGY - GAS
NO EASEMENT OF RECORD PROVIDED
AFFECTS PARCEL 4

(105) CITY OF WISCONSIN DELLS - WATER
NO EASEMENT OF RECORD PROVIDED
AFFECTS PARCELS 5 AND 7

BLANKET PARKING, INGRESS AND EGRESS EASEMENT
DOC. 774783
DOC. 1076476
AFFECTS PARCEL 7

BLANKET RECIPROCAL VEHICULAR EASEMENTS
DOC. 766864
AFFECTS PARCELS 4, 5, AND 7

BLANKET RECIPROCAL SELF HELP EASEMENTS
DOC. 766864
AFFECTS PARCELS 4, 5 AND 7

BLANKET SLOPE EASEMENT
DOC. 774783
DOC. 1076476
AFFECTS PARCELS 4, 5 AND 7

BASIS OF EXISTING RIGHT-OF-WAY AND ACCESS CONTROL	
HIGHWAY	BASIS
U.S.H. 12/S.T.H. 23/ WISCONSIN DELLS PARKWAY	ROW PLAT T 04-3 (15) REV. 10/18/1962
	ROW PLAT T 04-3(18) REV. 3/3/1980
	DELLS ONE PLAT
	RESTRICTED ACCESS ROW PLAT T 04-3(18) REV. 3/3/1980
	RESTRICTED ACCESS DOC. 766864

SCHEDULE OF OFF PREMISE SIGN STRUCTURES		
SIGN NUMBER	SIGN OWNER	OASIS NUMBER
4-1	TOMMY BARTLETT, INC.	N/A

CITY

NORTH LINE OF THE SW 1/4 OF THE NE 1/4
GOVERNMENT LOT 1
GOVERNMENT LOT 2
SIXTEENTH LINE
SEE TPP 6145-01-20- 4.01

LOT 4 | LOT 5 | LOT 6 | LOT 7 | LOT 9

PLE - WATER MAIN
TLE - DRIVEWAY 784 SQ. FT.
TLE - DRIVEWAY 618 SQ. FT.
TLE - GRADING 544 SQ. FT.
TLE - GRADING 729 SQ. FT.
TLE - GRADING 231 SQ. FT.
172 SQ. FT.
1 SQ. FT.
SEE PARCEL 5.2 DETAIL
SEE PARCEL 5.1 DETAIL
SEE PARCEL DETAIL
SEE TPP 6145-01-20- 4.03

PARCELS 4 & 5 DETAIL
N.T.S.

PARCELS 4 & 5 DETAIL
N.T.S.

PARCEL 5.1 DETAIL
N.T.S.

PARCEL 5.2 DETAIL
N.T.S.

HILBERT CREEK

U.S.H 12 & S.T.H. 23

S.T.H. 13, 23 & S.T.H. 16

WISCONSIN DELLS PARKWAY

STA 198+24.71 PROJ. T 04-3(15) = STA 198+24.50 PROJ. T 04-3(18)

ALIGNMENT SHOWN ON R/W PLAT T 04-3(18) REVISED 03/03/1980

SHOWN ONLY FOR REFERENCE

CULVERT STRUCTURE C-56-008

UNPLATTED LANDS

GOVERNMENT LOT 1 (FRACTIONAL) SEC-9

WISCONSIN RIVER

FOUND HARRISON MONUMENT
POINT =45012
Y=294191.280
X=638443.266

NORTH 1/4 COR TO 133 607.41'

133 TO 45012 1317.26'

45012 TO 45013 709.85'

S89°00'17"E

NORTH LINE OF GOVERNMENT LOT 1
SOUTH LINE OF GOVERNMENT LOT 4

FOUND 3" ALUMINUM WP&L MONUMENT
POINT =45013
Y=294168.400
X=639760.330

FOUND COLUMBIA COUNTY ALUMINUM CAP MONUMENT
POINT =136033
Y=294134.291
X=641094.608

S88°32'08"E 1334.71'

DOCUMENT #: 1282080
Recorded: 10-23-2025 at 3:13 PM
BRENT BAILEY
SAUK COUNTY REGISTER OF DEEDS
REGISTRAR'S OFFICE
Sauk Co, WI
RECEIVED FOR RECORD
Fee Amount: $25.00
This document has been filed electronically

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 6145-01-20-4.02
SHEET 1 OF 2
AMENDMENT NO: 1

SCALE, FEET
0 50 100

ALIGNMENT INFORMATION

PI: 735+59.07
Y = 293366.036
X = 639391.194
Δ = 02°06'22" LT

PI: 737+49.55
Y = 293536.872
X = 639306.937
Δ = 02°06'22" RT

CURVE 1
PI STA = 720+02.67
Y = 291689.103
X = 640142.963
Δ = 63°54'19" LT
D = 2°41'24"
T = 1328.52'
L = 2375.71'
R = 2130.00'
PC STA = 706+74.15
PT STA = 730+49.86
DB = N39°45'31"E
DA = N24°08'48"W

PARTIAL CURVE
107 TO PC STA 706+74.15
L = 2306.68'
R = 2130.00'
LCH = 2195.60'
LCB = S08°44'04"W

PARTIAL CURVE
107 TO PT STA 730+49.86
L = 69.03'
R = 2130.00'
LCH = 69.03'
LCB = N23°13'06"W

SHEET LOCATION
R-6-E
T-13-N
BIRCHWOOD
TROUT
CITY OF WISCONSIN DELLS
VILLAGE OF LAKE DELTON
Lake Delton
L. Delton
H 13
H 12
H 23
H 16
H 58
H 78
I.A.A.P. ARK.
LOCATION SKETCH NOT TO SCALE

WISCONSIN DELLS

SHOWN AS SET MONUMENT ON "PROPERTY SURVEY, HYDRO-PLANT AND FLOWAGE, SAUK AND COLUMBIA COUNTIES" BY WISCONSIN POWER AND LIGHT COMPANY, SIGNED BY D. S. FOWLER DATED 10/31/1931, DRAWN NO. N-363 REVISION DATE 9/25/1974.

THIS MONUMENT WAS SET AT THE NORTHWEST CORNER OF THE NORTHEAST 1/4 OF THE NORTHEAST 1/4 OF SECTION 9, T13N., R6E. (1/16TH CORNER). THIS CORNER IS A LOCALLY ACCEPTED CORNER USED TO ESTABLISH THE NORTH LINE OF SAID SECTION 9 PER PAT DEDERICH, SAUK COUNTY SURVEYOR AND SAID LINE IS SHOWN ON U.S. PUBLIC LAND SURVEY MONUMENT RECORD, SAUK COUNTY, WISCONSIN-SAUK COUNTY CORNER INDEX NUMBER 139, SIDE 2 OF 2, AS AN OPEN SQUARE 131.14' WEST OF POINT 139 (MEANDER CORNER). ACCEPTANCE OF THIS CORNER INTRODUCES AN ANGLE POINT IN THE NORTH LINE OF SAID SECTION 9 AT THE HEREIN REFERENCED 1/16TH CORNER.

UTILITY INTERESTS REQUIRED		
UTILITY NUMBER	OWNER(S)	INTEREST REQUIRED
100	FRONTIER NORTH INC. DBA FRONTIER COMMUNICATIONS OF WI LLC	ROR
101	CITY OF WISCONSIN DELLS - SANITARY SEWER	ROR
102	WISCONSIN POWER AND LIGHT COMPANY DBA ALLIANT ENERGY - GAS	ROR
105	CITY OF WISCONSIN DELLS - WATER	ROR

FOR COURSE, CURVE AND OFFSET TABLES REFER TO EXTENSION SHEET RECORDED AS SHEET 2 OF 2.

SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT.

PARCEL NUMBER	OWNER(S)	INTERESTS REQUIRED	R/W REQUIRED (ACRES OR S.F.) NEW	EXISTING	TOTAL	P.I.F.	T.I.F.
			SQ. FT.	SQ. FT.	SQ. FT.	SQ. FT.	SQ. FT.
4	SYSTEM CAPITAL REAL PROPERTY CORPORATION, A DELAWARE CORPORATION	FEE, PLE & TLE	82	---	82	866	1513
5	MRED (HWY 12/HWY 13) ASSOCIATES, A WISCONSIN LIMITED PARTNERSHIP	FEE, PLE & TLE	173	---	173	3088	1162
7	COURTESY OF DELLS, LLC, A WISCONSIN LIMITED LIABILITY COMPANY	TLE	---	---	---	---	231

NOTES:

HORIZONTAL POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM (WISCRS), SAUK COUNTY NAD83 (2007), IN U.S. SURVEY FEET. POSITIONS SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES ARE THE SAME AS GROUND DISTANCES.

NGS REFERENCE POINT DH8469
Y=289324.71
X=638326.39

ALL NEW RIGHT-OF-WAY MONUMENTS WILL BE TYPE 2 (TYPICALLY ¾" X 24" IRON REBARS), UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

FOR THE CURRENT ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN LA CROSSE/SOUTHWEST REGION.

FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2 OF DOCUMENT NUMBER 1251442.

SIXTEENTH LINES WERE ESTABLISHED BY SECTION BREAKDOWN OF OBSERVED PLSS MONUMENTS.

GRAEF
The Avenue
275 West Wisconsin Avenue, Suite 300,
Milwaukee, WI 53203
414 / 259 1500 414 / 259 0037 fax
www.graef-usa.com

I, CARLA J. ROLLINS PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE DEPARTMENT OF TRANSPORTATION I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN CARLA J. ROLLINS S-3207 SHEBOYGAN, WI LAND SURVEYOR

SIGNATURE: _____ DATE: 10/22/25
PRINT NAME: CARLA J. ROLLINS
REGISTRATION NUMBER: S-3207

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE DEPARTMENT OF TRANSPORTATION

SIGNATURE: _____ DATE: 10/22/25
PRINT NAME: EMILY HEMLING 804

FILE NAME : X:\M\L\2021\20210212\SURVEY\TPP-USH 12_6145-01-00-AMENDMENT01_4.02.DWG
PLOT DATE : 10/22/2025 9:58 AM PLOT BY : ROLLINS, CARLA PLOT NAME : PLOT SCALE : 1 IN:50 FT
APPRAISAL PLAT DATE : 10/22/2025

TRANSPORTATION PROJECT PLAT NO: 6145-01-20- 4. 02 AMENDMENT NO: 1
EXTENSION SHEET

RELOCATION ORDER: USH 12, WISCONSIN DELLS-BARABOO, STH 13 TO CTH A, SAUK COUNTY

NOTES:

HORIZONTAL POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM (WISCRS), SAUK COUNTY NAD83 (2007), IN U.S. SURVEY FEET. POSITIONS SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES ARE THE SAME AS GROUND DISTANCES.

NGS REFERENCE POINT DH8469
Y=289324.71
X=638326.39

FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2 OF DOCUMENT NUMBER 1251442.

SHEET 2 OF 2: COURSE, CURVE AND OFFSET TABLES

4

4

R/W COURSE TABLE		
POINT	BEARING	DISTANCE
45012 - 133	S89°00'17"E	607.41'
133 - 114	S18°55'00"E	323.23'
114 - 115	N58°50'46"E	92.19'
115 - 116	S24°08'48"E	1007.91'
116 - 117	S27°56'38"E	75.50'
117 - 109	SEE CURVE 7	
109 - 108	N89°11'40"W	32.41'
108 - 107	N89°11'40"W	64.56'
107 - 106	N89°11'40"W	137.19'
106 - 118	N24°08'48"W	438.88'
118 - 119	N65°55'22"E	45.00'
119 - 120	N24°08'48"W	185.00'
120 - 121	N18°21'59"W	49.65'
121 - 122	N24°08'48"W	54.00'
122 - 123	N28°40'14"W	50.29'
123 - 124	N26°13'35"W	28.36'
124 - 125	N29°39'30"W	14.34'
125 - 126	N24°04'38"W	22.88'
126 - 127	N26°13'35"W	31.82'
127 - 128	N24°08'48"W	109.36'
128 - 129	N30°01'55"W	17.66'
129 - 130	SEE CURVE 8	
130 - 131	SEE CURVE 9	
131 - 114	N58°50'46"E	158.07'

R/W STATION & OFFSET TABLE		
PT #	STATION	OFFSET
106	730+38.02	125.47' LT
107	729+80.83	0.00'
108	729+56.19	59.53' RT
109	729+44.32	89.53' RT
114	741+20.06	0.00'
115	741+31.31	91.50' RT
116	731+23.27	84.50' RT
117	730+48.01	89.50' RT
118	734+77.59	125.50' LT
119	734+77.54	80.50' LT
120	736+65.43	76.64' LT
121	737+14.61	69.83' LT
122	737+66.07	68.50' LT
123	738+16.20	72.47' LT
124	738+44.55	73.50' LT
125	738+58.82	74.87' LT
126	738+81.70	74.85' LT
127	739+13.50	76.00' LT
128	740+22.86	76.00' LT
129	740+40.43	77.81' LT
130	740+97.70	133.99' LT
131	741+00.78	156.89' LT

R/W CURVE TABLE				
CURVE	LONG CHORD BEARING (LCB)	LONG CHORD DISTANCE (LCH)	LENGTH OF CURVE (L)	RADIUS (R)
7	S22°42'58"E	108.03'	108.05'	2163.70'
8	N68°35'43"W	80.22'	83.68'	83.50'
9	S73°30'12"W	23.11'	23.17'	90.00'
10	N69°11'06"W	78.71'	81.96'	83.50'
11	S40°28'33"E	1.72'	1.72'	83.50'

PLE COURSE TABLE		
POINT	BEARING	DISTANCE
122 - 504	N28°40'14"W	15.17'
504 - 505	S65°51'12"W	14.80'
505 - 506	N28°04'08"W	37.43'
506 - 507	N29°39'30"W	39.71'
507 - 508	N24°04'38"W	192.30'
508 - 509	S80°19'00"E	14.86'
509 - 129	SEE CURVE 11	
129 - 128	S30°01'55"E	17.66'
128 - 127	S24°08'48"E	109.36'
127 - 126	S26°13'35"E	31.83'
126 - 125	S24°04'38"E	22.88'
125 - 124	S29°39'30"E	14.34'
124-123	S26°13'35"E	28.36'
123-504	S28°40'14"E	35.12'

PLE STATION & OFFSET TABLE		
PT #	STATION	OFFSET
504	737+81.19	69.70' LT
505	737+81.19	84.50' LT
506	738+18.53	87.06' LT
507	738+58.06	90.87' LT
508	740+50.36	90.64' LT
509	740+42.08	78.29' LT

TLE STATION & OFFSET TABLE		
PT #	STATION	OFFSET
707	737+09.80	70.50' LT
708	737+10.15	80.00' LT
709	737+81.19	78.50' LT
710	738+05.58	86.17' LT
711	738+03.95	109.87' LT
712	738+71.55	109.86' LT
713	738+71.52	90.86' LT
714	740+46.71	85.21' LT
715	740+66.30	96.47' LT
716	741+00.19	147.03' LT

FOUND MONUMENT TABLE				
PT #	Y (NORTHING)	X (EASTING)	DESCRIPTION	PERPENDICULAR DIST. TO EXISTING R/W
61157	293184.051	639295.715	5/8" REBAR	0.15' SE TO P/L
61158	293173.743	639228.258	5/8" REBAR	3.06' SE TO P/L
61159	293171.993	639336.206	5/8" REBAR	4.05' NE
61160	293258.931	639346.197	5/8" REBAR	4.37' NE - 2.20' SE
60092	293475.114	639253.833	1/2" REBAR	4.76' NE
60093	293538.133	639255.380	1/2" REBAR	5.23' NE
60094	293588.638	639196.501	MAG NAIL	6.32' NE
61161	293750.106	639121.761	3/4" REBAR	7.03' NE
61162	293798.440	639034.667	3/4" REBAR	0.24' SE
74129	292841.135	639487.509	5/8" REBAR	1.34' NE
88175	293753.653	639128.023	1 1/8" OD IP	0.15' SW
88178	293791.821	639012.544	3/4" REBAR	1.81' SE
88179	293787.023	639006.587	2 1/2" OD IP	0.17' NW

TPP NUMBER 6145-01-20 -
4.01 AMENDMENT NO:1
SHEET 2 805

TRANSPORTATION PROJECT PLAT NO: 6145-01-20- 4. 03 AMENDMENT NO: 1

AMENDS UTILITY NUMBERS 101, 104 AND 105 OF TRANSPORTATION PROJECT PLAT NO: 6145-01-20- 4.01
RECORDED AS DOCUMENT NO: 1251742.

THAT PART OF LOT 3, CSM #5906 LOCATED IN GOVERNMENT LOT 1, SECTION 9, TOWNSHIP 13 NORTH, RANGE 6 EAST, CITY OF WISCONSIN DELLS, SAUK COUNTY, WISCONSIN.

RELOCATION ORDER USH 12, WISCONSIN DELLS-BARABOO, STH 13 TO CTH A, SAUK COUNTY

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09, AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANCE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT.

PARCEL NUMBER	OWNER(S)	INTERESTS REQUIRED	R/W REQUIRED (ACRES OR S.F.)			
			NEW	EXISTING	TOTAL	T.L.E.
			SQ. FT.	SQ. FT.	SQ. FT.	SQ. FT.
8	TRAVEL MART INC., A WISCONSIN CORPORATION	FEE & TLE	740	---	740	643

UTILITY INTERESTS REQUIRED

UTILITY NUMBER	OWNER(S)	INTEREST REQUIRED
101	CITY OF WISCONSIN DELLS - SANITARY SEWER	ROR
104	CITY OF WISCONSIN DELLS - ELECTRIC	ROR
105	CITY OF WISCONSIN DELLS - WATER	ROR

BASIS OF EXISTING RIGHT-OF-WAY AND ACCESS CONTROL	
HIGHWAY	BASIS
U.S.H.12/S.T.H.16/ WISCONSIN DELLS PARKWAY	ROW PLAT T 04-3(18) REV. 3/3/1980
S.T.H. 13/S.T.H. 23/ S.T.H. 16	ROW PLAT T 04-3(1) REV. 10/16/1953
	RESTRICTED ACCESS ROW PLAT T 04-3(18) REV. 3/3/1980
	RESTRICTED ACCESS DOC. 766864

R/W STATION & OFFSET TABLE		
PT #	STATION	OFFSET
114	741+20.06	0.00'
115	741+31.31	91.50' RT
131	741+00.78	156.89' LT
132	744+61.33	81.09' LT
133	744+44.49	0.00'
134	744+22.89	104.02' RT
135	742+12.22	118.90' LT
136	742+48.08	81.55' LT

TLE STATION & OFFSET TABLE		
PT #	STATION	OFFSET
717	742+13.15	131.99' LT
718	742+62.15	81.14' LT

R/W COURSE TABLE		
POINT	BEARING	DISTANCE
45012 - 132	S89°00'17"E	524.59'
132 - 133	S89°00'17"E	82.82'
133 - 134	S89°00'17"E	106.24'
134 - 115	S16°49'13"E	267.68'
115 - 114	S58°50'46"W	92.19'
114- 131	S58°50'46"W	158.07'
131 - 135	N05°19'18"W	117.74'
135 - 136	N20°16'15"E	54.17'
136 - 132	SEE CURVE 13	

R/W CURVE TABLE				
CURVE	LONG CHORD BEARING (LCB)	LONG CHORD DISTANCE (LCH)	LENGTH OF CURVE (L)	RADIUS (R)
13	N15°14'03"W	228.98'	229.30'	1246.28'

FOUND MONUMENT TABLE				
PT #	Y (NORTHING)	X (EASTING)	DESCRIPTION	PERPENDICULAR DIST. TO EXISTING R/W
61162	293798.440	639034.667	3/4" REBAR	0.24' SE
74111	294171.767	638956.710	5/8" SMOOTH SOLID BAR BENT TO SW.	12.73' NE
74112	293954.757	639025.184	1" SOLID BAR CUT ON ANGLE	4.87' NE
74113	293922.932	639035.707	CHISELED CROSS	2.63' SE - 6.74' NE
74114	293862.658	638873.411	RR SPIKE IN PLOT	2.16' SE
74115	293818.048	638752.746	RR SPIKE IN DRIVEWAY	2.00' SE
74121	293814.933	638741.933	RR SPIKE IN DRIVEWAY	2.35' SE
88178	293791.821	639012.544	3/4" REBAR	1.81' SE
88179	293787.023	639006.587	2 1/2" OD IP	0.17' NW

ALIGNMENT INFORMATION

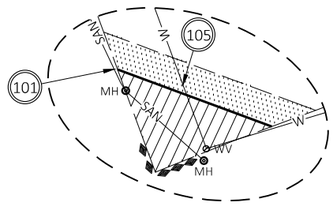
CURVE 12
PI STA = 743+18.37
Y = 294055.918
X = 639074.250
Δ = 13°24'37" RT
D = 6°44'26"
T = 99.93'
L = 198.95'
R = 850.00'
PC STA = 742+18.44
PT STA = 744+17.39

EP: 745+24.94
Y = 294259.767
X = 639035.598

(101) CITY OF WISCONSIN DELLS - SANITARY
DOC. 389475
AFFECTS PARCEL 8

(104) CITY OF WISCONSIN DELLS - ELECTRIC
DOC. 389475
AFFECTS PARCEL 8

(105) CITY OF WISCONSIN DELLS - WATER
DOC. 389475
AFFECTS PARCEL 8



PARCEL 8 DETAIL
N.T.S.

NOTES:

HORIZONTAL POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM (WISCRS), SAUK COUNTY NAD83 (2007), IN U.S. SURVEY FEET. POSITIONS SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES ARE THE SAME AS GROUND DISTANCES.

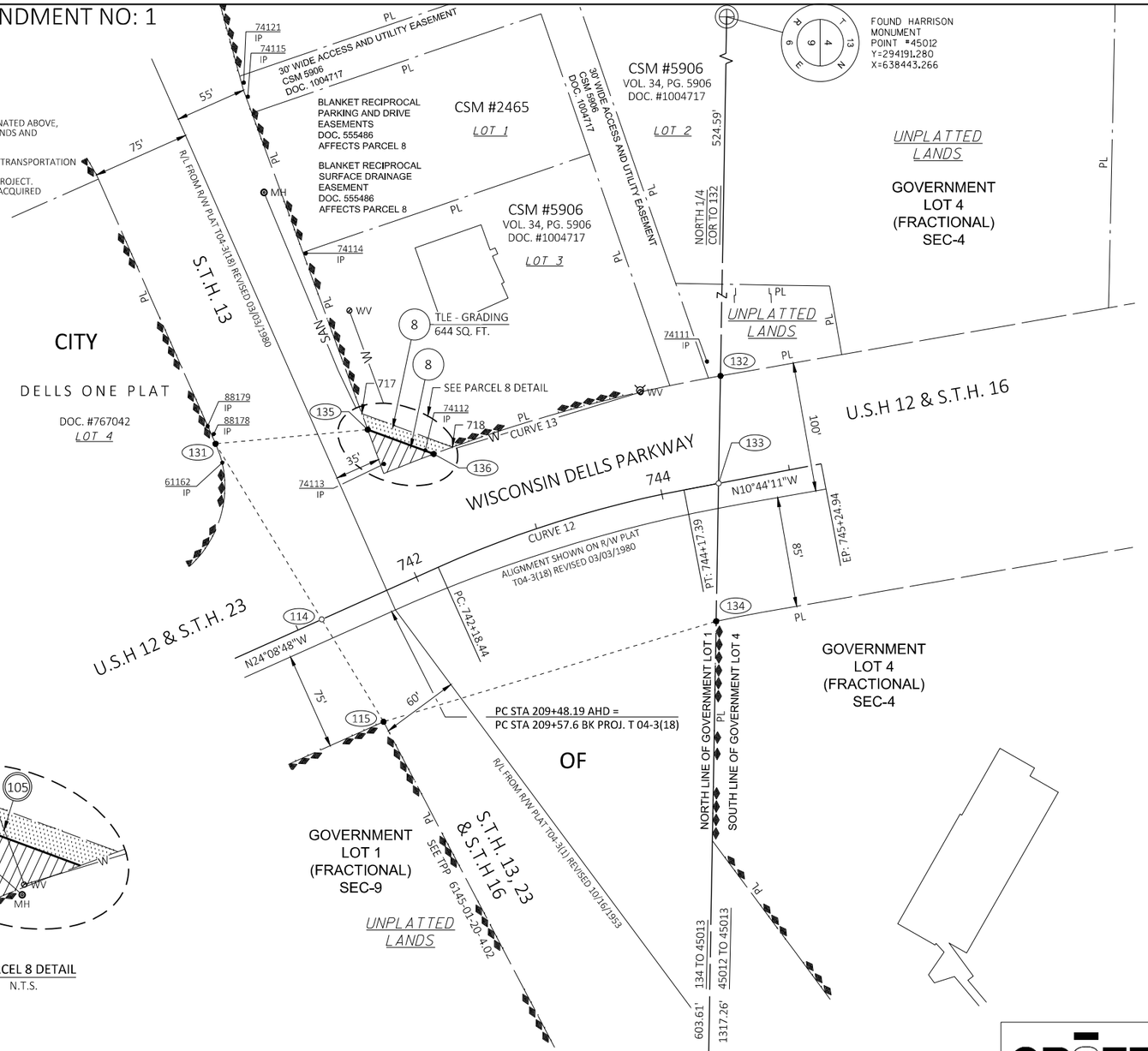
ALL NEW RIGHT-OF-WAY MONUMENTS WILL BE TYPE 2 (TYPICALLY ¾" X 24" IRON REBARS), UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

NGS REFERENCE POINT DH8469
Y=289324.71
X=638326.39

FOR THE CURRENT ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN LA CROSSE/SOUTHWEST REGION.

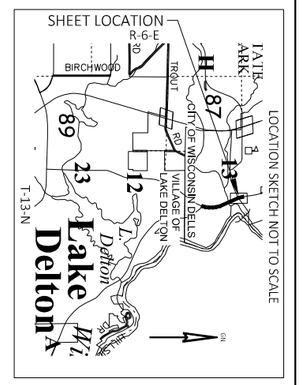
FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2 OF DOCUMENT NUMBER 1251442.

SIXTEENTH LINES WERE ESTABLISHED BY SECTION BREAKDOWN OF OBSERVED PLSS MONUMENTS.



SHOWN AS SET MONUMENT ON "PROPERTY SURVEY, HYDRO-PLANT AND FLOWAGE, SAUK AND COLUMBIA COUNTIES" BY WISCONSIN POWER AND LIGHT COMPANY, SIGNED BY D. S. FOWLER DATED 10/31/1931, DRAWN NO. N-363 REVISION DATE 9/25/1974.

THIS MONUMENT WAS SET AT THE NORTHWEST CORNER OF THE NORTHEAST 1/4 OF THE NORTHEAST 1/4 OF SECTION 9, T13N., R6E. (1/16TH CORNER). THIS CORNER IS A LOCALLY ACCEPTED CORNER USED TO ESTABLISH THE NORTH LINE OF SAID SECTION 9 PER PAT DEDERICH, SAUK COUNTY SURVEYOR AND SAID LINE IS SHOWN ON U.S. PUBLIC LAND SURVEY MONUMENT RECORD, SAUK COUNTY, WISCONSIN-SAUK COUNTY CORNER INDEX NUMBER 139. SIDE 2 OF 2, AS AN OPEN SQUARE 131.14' WEST OF POINT 139 (MEANDER CORNER). ACCEPTANCE OF THIS CORNER INTRODUCES AN ANGLE POINT IN THE NORTH LINE OF SAID SECTION 9 AT THE HEREIN REFERENCED 1/16TH CORNER.



WISCONSIN DELLS

GRÄEF
The Avenue
275 West Wisconsin Avenue, Suite 300,
Milwaukee, WI 53203
414 / 259 1500 414 / 259 0037 fax
www.graef-usa.com

I, CARLA J. ROLLINS PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE DEPARTMENT OF TRANSPORTATION I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

original signed copy at register of deeds

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE DEPARTMENT OF TRANSPORTATION

SIGNATURE: Emily Hemling DATE: 04/29/25

PRINT NAME: EMILY HEMLING

806

DOCUMENT #: **1275098**
Recorded: 04-30-2025 at 3:33 PM
BRENT BAILEY
SAUK COUNTY REGISTER OF DEEDS
REGISTRAR'S OFFICE
Sauk Co, WI
RECEIVED FOR RECORD
Fee Amount: $25.00
This document has been filed electronically

4

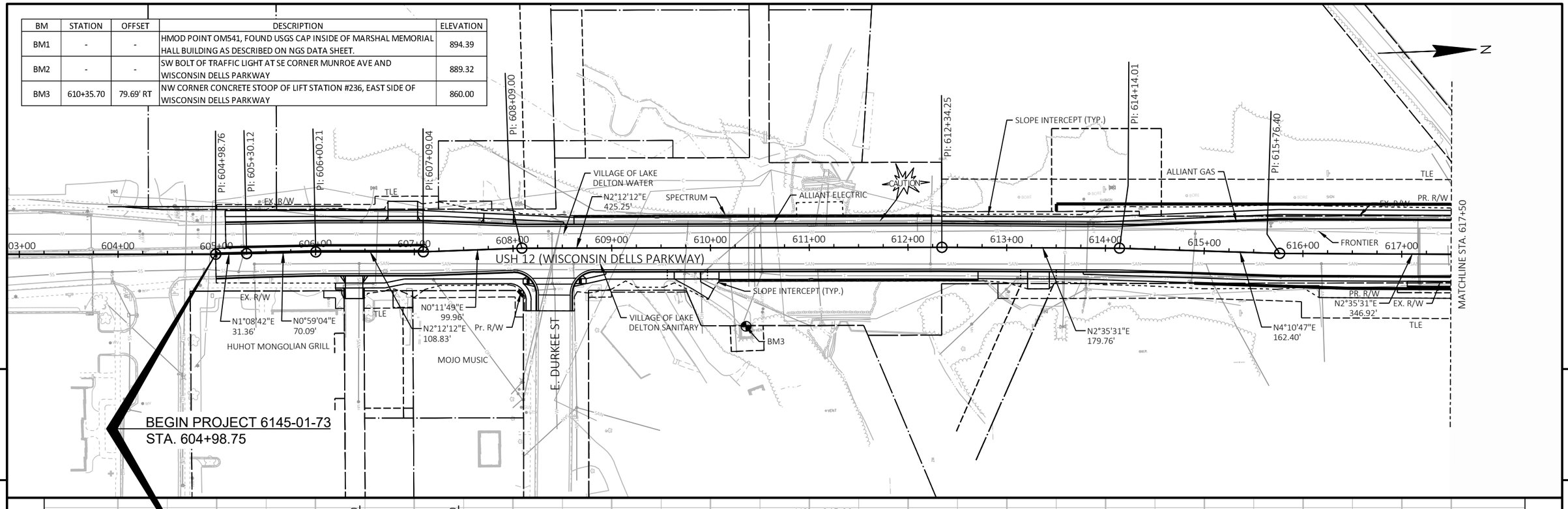
4

FILE NAME : X:\ML\2021\20210212\SURVEY\TPP-USH 12_6145-01-00-AMENDMENT01_4.03.DWG
APPRAISAL PLAT DATE : 04/29/2025

PLOT DATE : 4/29/2025 8:56 AM PLOT BY : GARCIA, LUIS PLOT NAME : PLOT SCALE : 1 IN:50 FT

6145-01-20 4. 03A1

BM	STATION	OFFSET	DESCRIPTION	ELEVATION
BM1	-	-	HMOD POINT OM541, FOUND USGS CAP INSIDE OF MARSHAL MEMORIAL HALL BUILDING AS DESCRIBED ON NGS DATA SHEET.	894.39
BM2	-	-	SW BOLT OF TRAFFIC LIGHT AT SE CORNER MUNROE AVE AND WISCONSIN DELLS PARKWAY	889.32
BM3	610+35.70	79.69' RT	NW CORNER CONCRETE STOOP OF LIFT STATION #236, EAST SIDE OF WISCONSIN DELLS PARKWAY	860.00



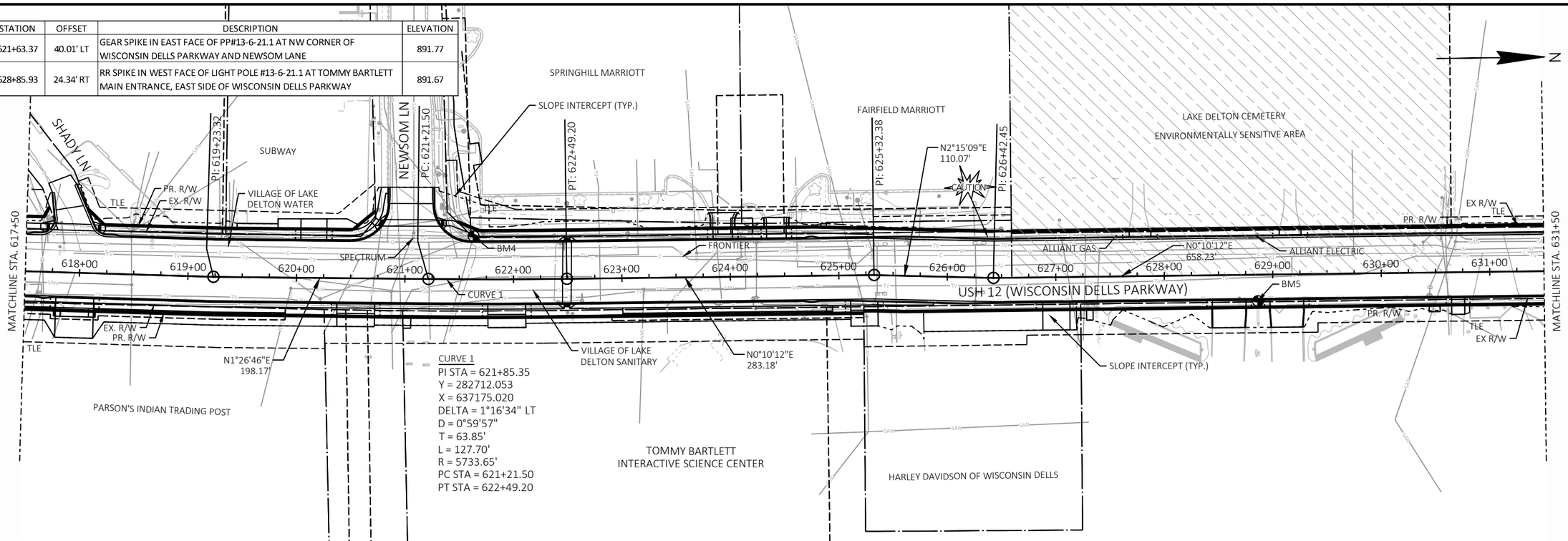
PROJECT NO: 6145-01-73	HWY: USH 12	COUNTY: SAUK	PLAN AND PROFILE: USH 12	SHEET 807	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-73\050101_PP.DWG
LAYOUT NAME - 050101_pp

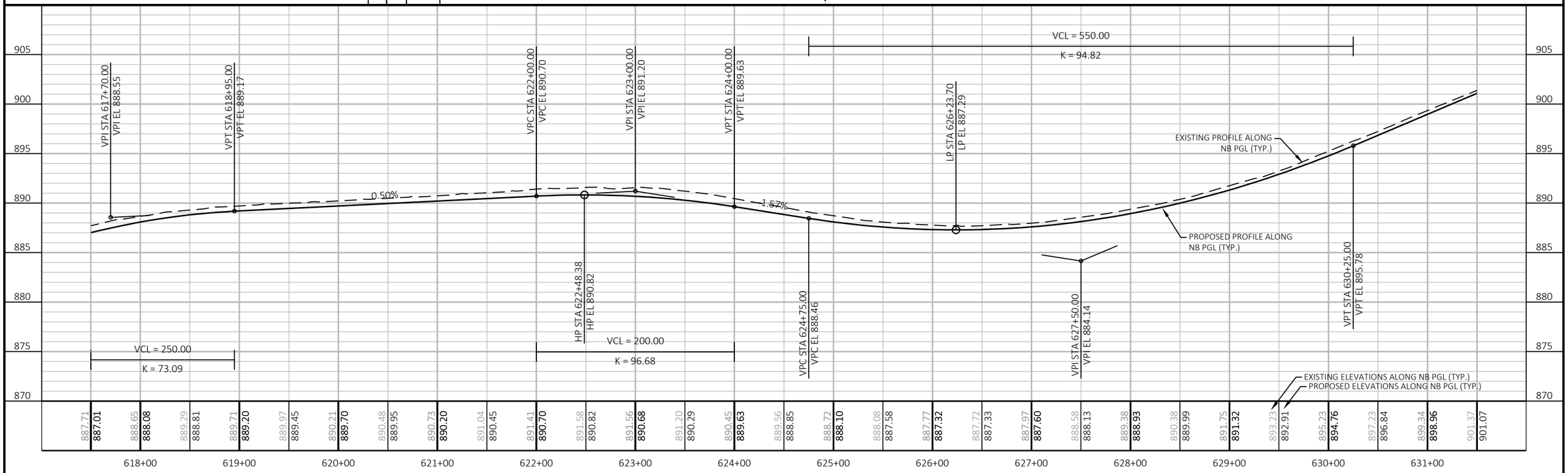
PLOT DATE : 6/18/2025 9:44 AM PLOT BY : BARRETT, WILL PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

BM	STATION	OFFSET	DESCRIPTION	ELEVATION
BM4	621+63.37	40.01' LT	GEAR SPIKE IN EAST FACE OF PP#13-6-21.1 AT NW CORNER OF WISCONSIN DELLS PARKWAY AND NEWSOM LANE	891.77
BM5	628+85.93	24.34' RT	RR SPIKE IN WEST FACE OF LIGHT POLE #13-6-21.1 AT TOMMY BARTLETT MAIN ENTRANCE, EAST SIDE OF WISCONSIN DELLS PARKWAY	891.67



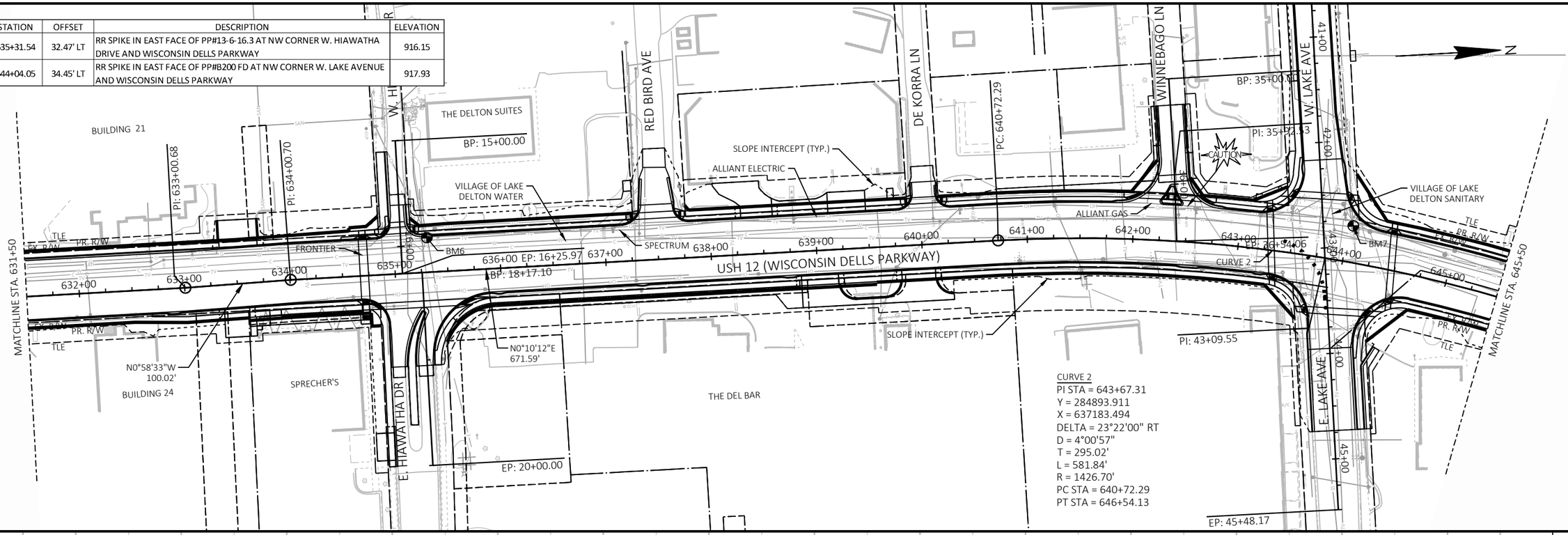
CURVE 1
PI STA = 621+85.35
Y = 282712.053
X = 637175.020
DELTA = 1°16'34" LT
D = 0°59'57"
T = 63.85'
L = 127.70'
R = 5733.65'
PC STA = 621+21.50
PT STA = 622+49.20



PROJECT NO: 6145-01-73	HWY: USH 12	COUNTY: SAUK	PLAN AND PROFILE: USH 12	SHEET 808	E

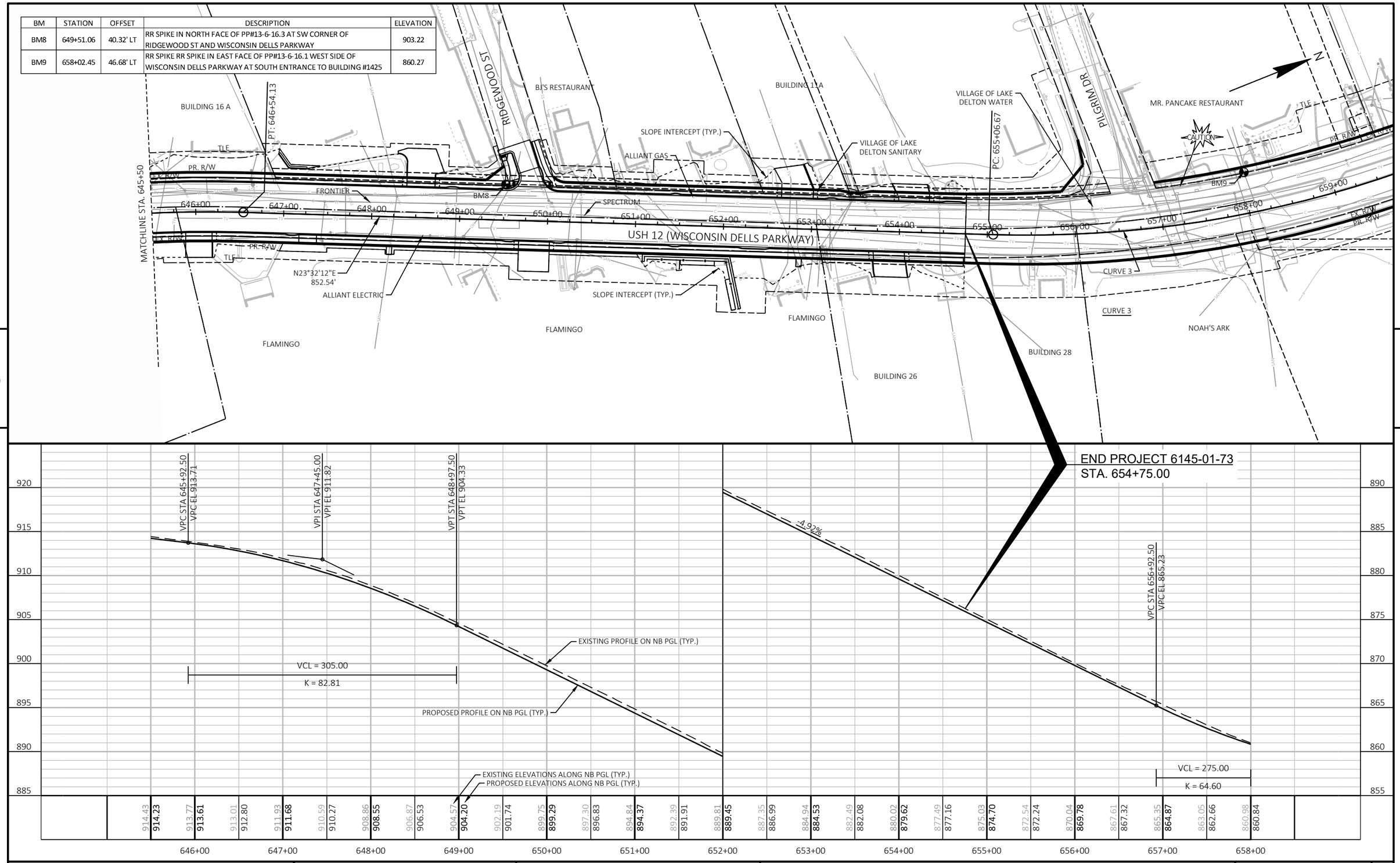
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LAYOUT NAME - 050102_pp
PLOT DATE : 6/18/2025 9:45 AM PLOT BY : BARRETT, WILL PLOT NAME : PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44

BM	STATION	OFFSET	DESCRIPTION	ELEVATION
BM6	635+31.54	32.47' LT	RR SPIKE IN EAST FACE OF PP#13-6-16.3 AT NW CORNER W. HIAWATHA DRIVE AND WISCONSIN DELLS PARKWAY	916.15
BM7	644+04.05	34.45' LT	RR SPIKE IN EAST FACE OF PP#B200 FD AT NW CORNER W. LAKE AVENUE AND WISCONSIN DELLS PARKWAY	917.93



PROJECT NO: 6145-01-73	HWY: USH 12	COUNTY: SAUK	PLAN AND PROFILE: USH 12	SHEET 809	E

BM	STATION	OFFSET	DESCRIPTION	ELEVATION
BM8	649+51.06	40.32' LT	RR SPIKE IN NORTH FACE OF PP#13-6-16.3 AT SW CORNER OF RIDGEWOOD ST AND WISCONSIN DELLS PARKWAY	903.22
BM9	658+02.45	46.68' LT	RR SPIKE RR SPIKE IN EAST FACE OF PP#13-6-16.1 WEST SIDE OF WISCONSIN DELLS PARKWAY AT SOUTH ENTRANCE TO BUILDING #1425	860.27



PROJECT NO: 6145-01-73	HWY: USH 12	COUNTY: SAUK	PLAN AND PROFILE: USH 12	SHEET 810	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-73\050101_PP.DWG
LAYOUT NAME - 050104_pp

PLOT DATE : 6/18/2025 9:45 AM PLOT BY : BARRETT, WILL PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

BM	STATION	OFFSET	DESCRIPTION	ELEVATION
BM9	658+02.45	46.68' LT	RR SPIKE RR SPIKE IN EAST FACE OF PP#13-6-16.1 WEST SIDE OF WISCONSIN DELLS PARKWAY AT SOUTH ENTRANCE TO BUILDING #1425	860.27

BEGIN PROJECT 6145-01-72
STA. 654+75.00

BP: 55+00.00
PC: 655+06.67
PC: 56+06.07
PT: 56+61.91
EP: 57+25.43
PT: 660+13.01
PI: 665+20.99
MATCHLINE STA. 666+50

HOT DOG AVENUE
PILGRIM DRIVE
MR. PANCAKE RESTAURANT
CAUTION
BM9
CLOUD VAPE
EVIL MIND TATTOO
HOLLYWOOD NAIR
ALLIANT ENERGY GAS
PIZZA PUB
SLOPE INTERCEPT (TYP.)
VILLAGE OF LAKE DELTON WATER
B-LUX GRILL & BAR
BUILDING 9
VILLAGE OF LAKE DELTON SANITARY
OLYMPUS DR
CURVE 1
USH 12 (WISCONSIN DELLS PARKWAY)
SPECTRUM
SOCIAL STUDIO
FRONTIER
SLOPE INTERCEPT (TYP.)
BUILDING 28
NOAH'S ARK
INDOOR FOOT TRUCKER BAR
DELL'S MINING CO.

CURVE 1
PI STA = 657+63.14
Y = 286181.13
X = 637744.17
DELTA = 22°30'00" RT
D = 4°26'37"
T = 256.47'
L = 506.34'
R = 1289.38'
PC STA = 655+06.67
PT STA = 660+13.01
DB = N23°32'12"E
DA = N01°02'12"E
SE = 3.1%

VCL = 275.00
K = 64.60
VCL = 430.00
K = 141.38

EXISTING PROFILE ALONG NB PGL (TYP.)
PROPOSED PROFILE ALONG NB PGL (TYP.)
-4.92%
-0.66%
2.38%

VPC STA 656+92.50 VPC EL 865.23
VPI STA 658+30.00 VPI EL 858.47
VPT STA 659+67.50 VPT EL 857.57
VPC STA 660+50.00 VPC EL 857.02
LP STA 661+43.32 LP EL 856.71
VPI STA 662+65.00 VPI EL 855.60
VPT STA 664+80.00 VPT EL 860.72

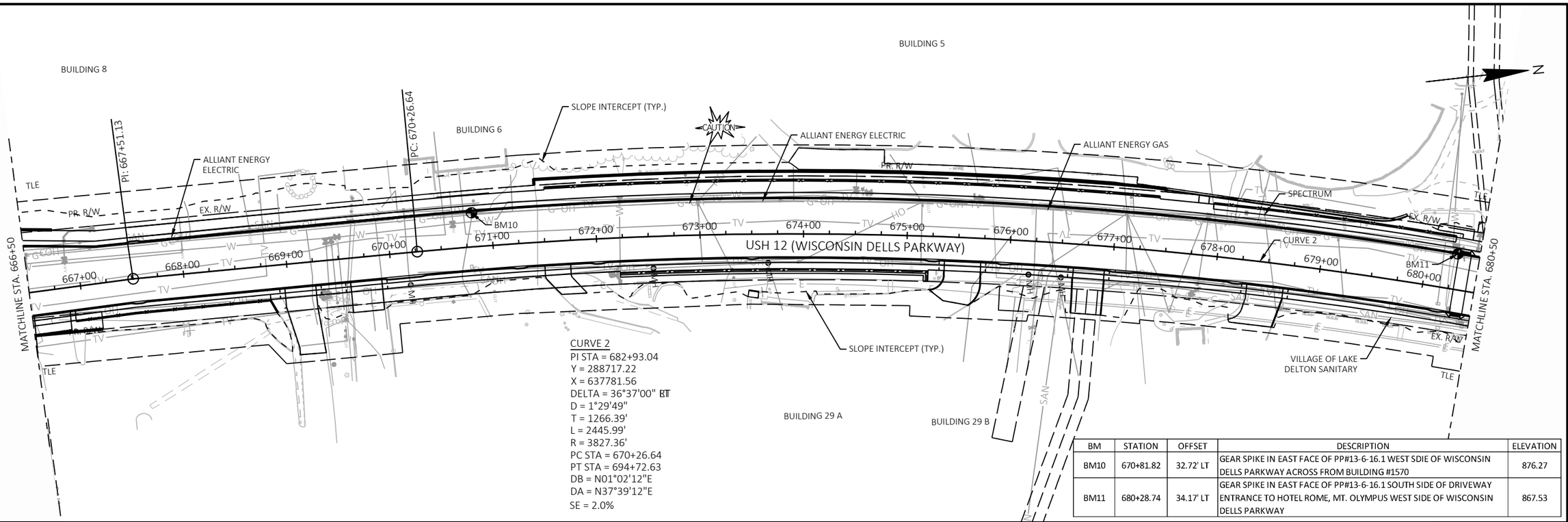
EXISTING ELEVATIONS ALONG NB PGL (TYP.)
PROPOSED ELEVATIONS ALONG NB PGL (TYP.)

655+00	656+00	657+00	658+00	659+00	660+00	661+00	662+00	663+00	664+00	665+00	666+00	666+50
876.27	872.54	870.04	867.61	865.35	863.05	860.98	859.28	858.33	857.74	857.09	856.70	856.68
875.93	872.24	869.78	867.32	864.87	862.66	860.84	859.41	858.36	857.71	857.35	857.02	856.72
875.03	874.70											

656+00	657+00	658+00	659+00	660+00	661+00	662+00	663+00	664+00	665+00	666+00	666+50
856.99	856.78	856.83	857.37	857.12	857.91	857.58	858.64	858.22	859.49	859.04	860.29	860.04	861.46	861.20	862.57	862.39	863.70	863.58	864.90	864.77

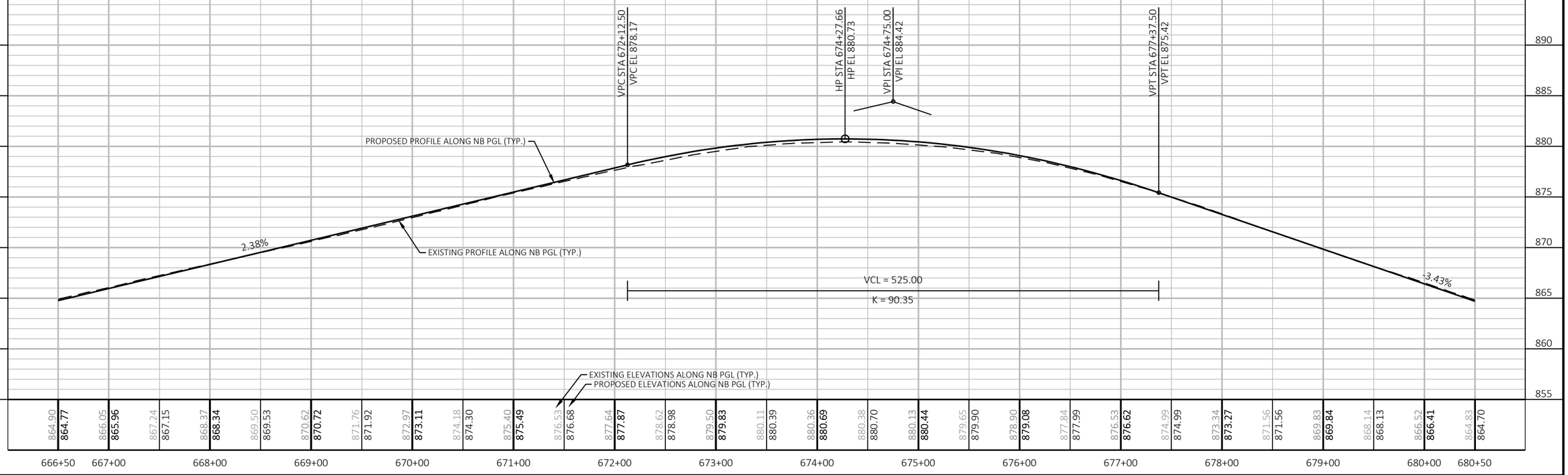
PROJECT NO: 6145-01-72	HWY: USH 12	COUNTY: SAUK	PLAN AND PROFILE : USH 12 - NB PGL	SHEET 811	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-72\050101_PP.DWG
LAYOUT NAME - 050101_pp
PLOT DATE : 6/18/2025 9:46 AM
PLOT BY : BARRETT, WILL
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44



CURVE 2
PI STA = 682+93.04
Y = 288717.22
X = 637781.56
DELTA = 36°37'00" RT
D = 1°29'49"
T = 1266.39'
L = 2445.99'
R = 3827.36'
PC STA = 670+26.64
PT STA = 694+72.63
DB = N01°02'12"E
DA = N37°39'12"E
SE = 2.0%

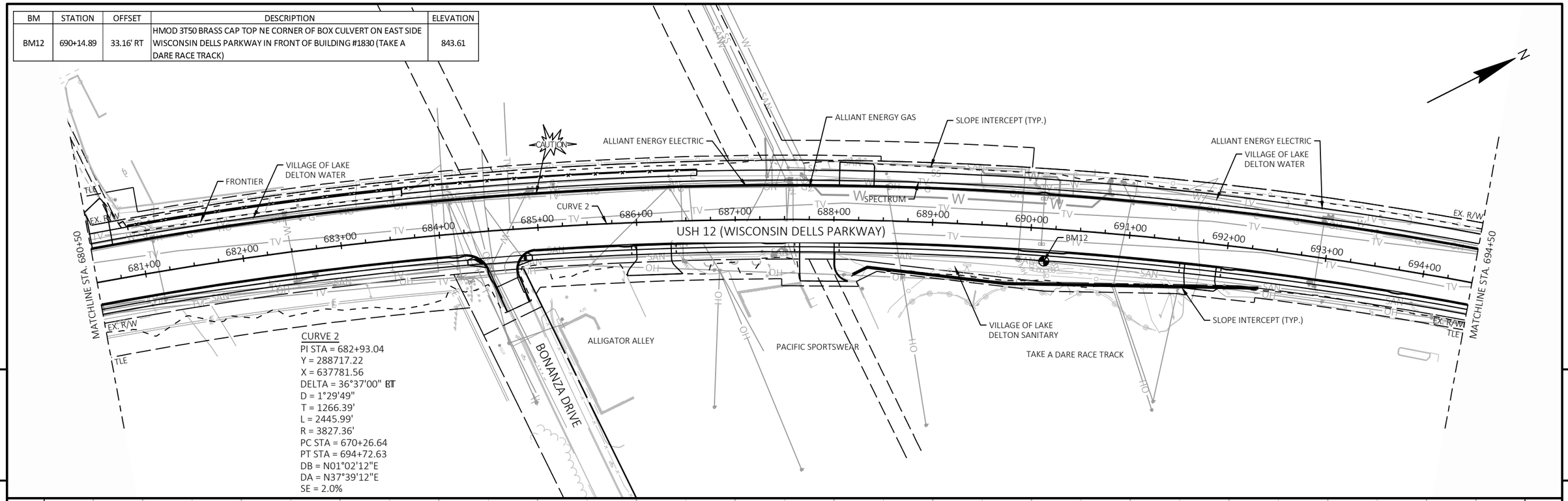
BM	STATION	OFFSET	DESCRIPTION	ELEVATION
BM10	670+81.82	32.72' LT	GEAR SPIKE IN EAST FACE OF PP#13-6-16.1 WEST SDIE OF WISCONSIN DELLS PARKWAY ACROSS FROM BUILDING #1570	876.27
BM11	680+28.74	34.17' LT	GEAR SPIKE IN EAST FACE OF PP#13-6-16.1 SOUTH SIDE OF DRIVEWAY ENTRANCE TO HOTEL ROME, MT. OLYMPUS WEST SIDE OF WISCONSIN DELLS PARKWAY	867.53



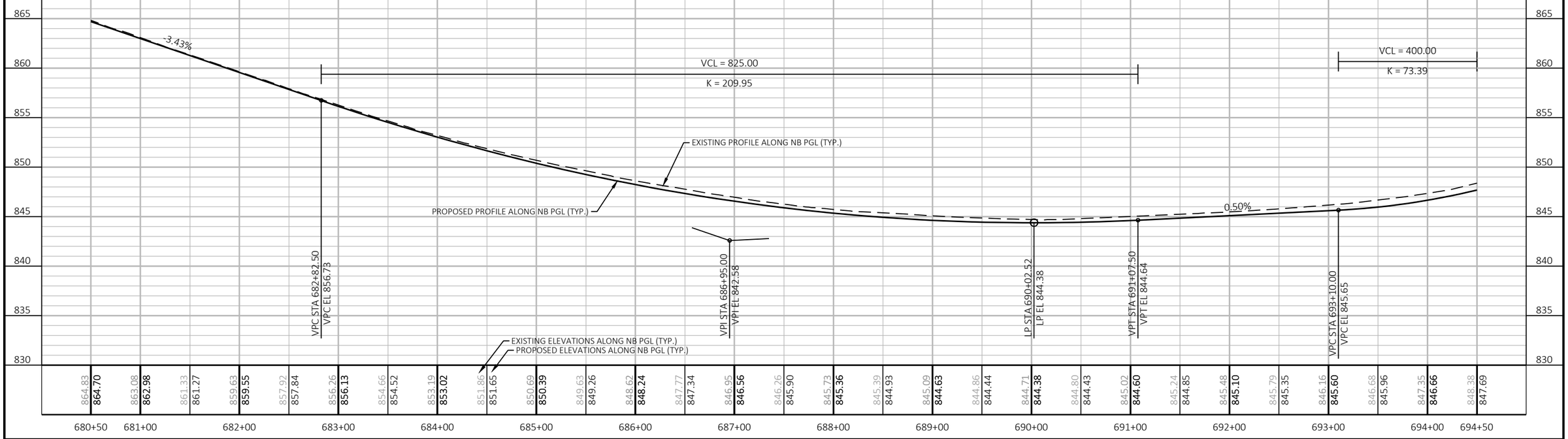
PROJECT NO: 6145-01-72	HWY: USH 12	COUNTY: SAUK	PLAN AND PROFILE : USH 12 - NB PGL	SHEET 812	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-72\050101_PP.DWG
LAYOUT NAME - 050102_pp
PLOT DATE : 6/18/2025 9:46 AM
PLOT BY : BARRETT, WILL
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44

BM	STATION	OFFSET	DESCRIPTION	ELEVATION
BM12	690+14.89	33.16' RT	HMOD 3T50 BRASS CAP TOP NE CORNER OF BOX CULVERT ON EAST SIDE WISCONSIN DELLS PARKWAY IN FRONT OF BUILDING #1830 (TAKE A DARE RACE TRACK)	843.61

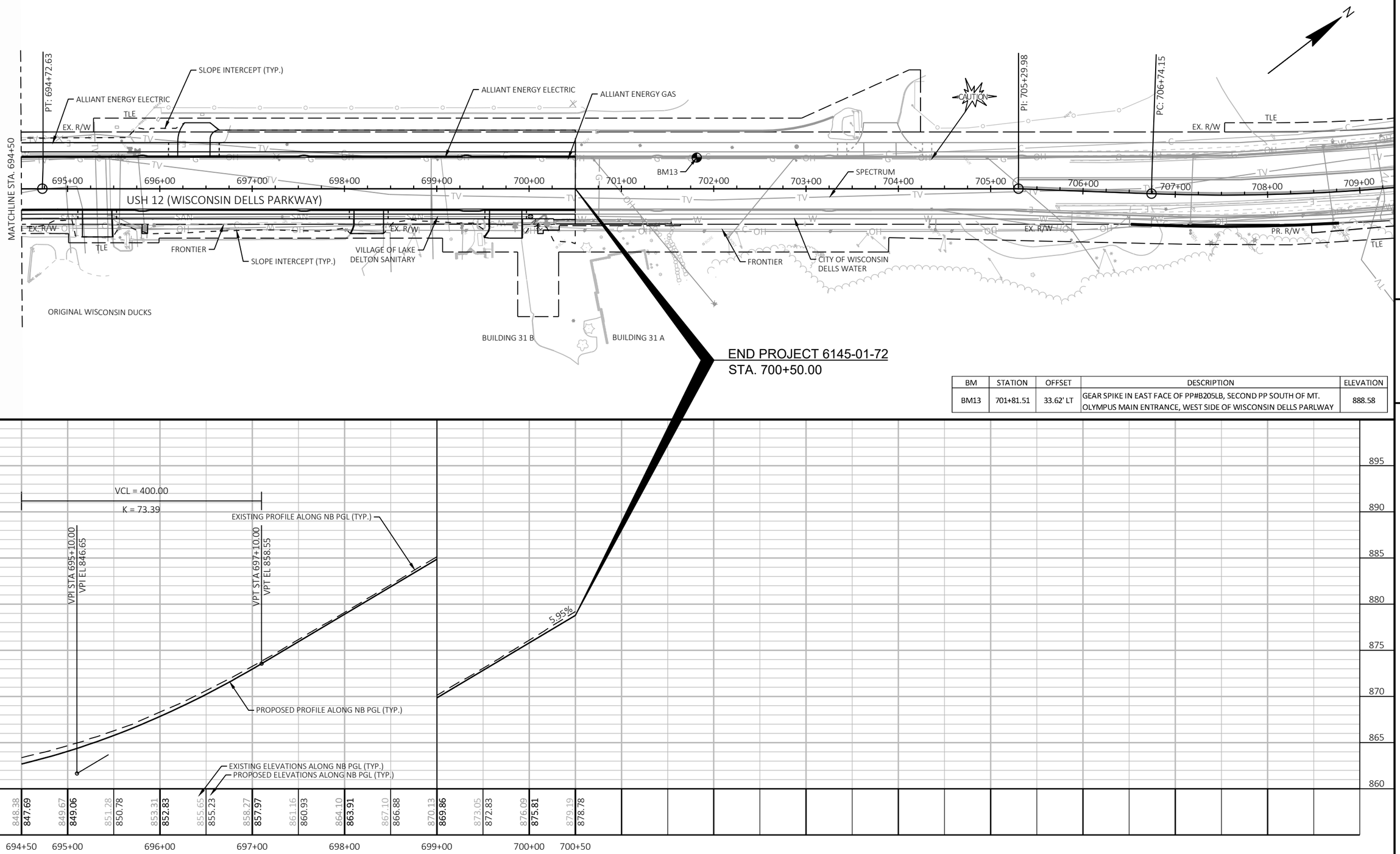


CURVE 2
PI STA = 682+93.04
Y = 288717.22
X = 637781.56
DELTA = 36°37'00" RT
D = 1°29'49"
T = 1266.39'
L = 2445.99'
R = 3827.36'
PC STA = 670+26.64
PT STA = 694+72.63
DB = N01°02'12"E
DA = N37°39'12"E
SE = 2.0%



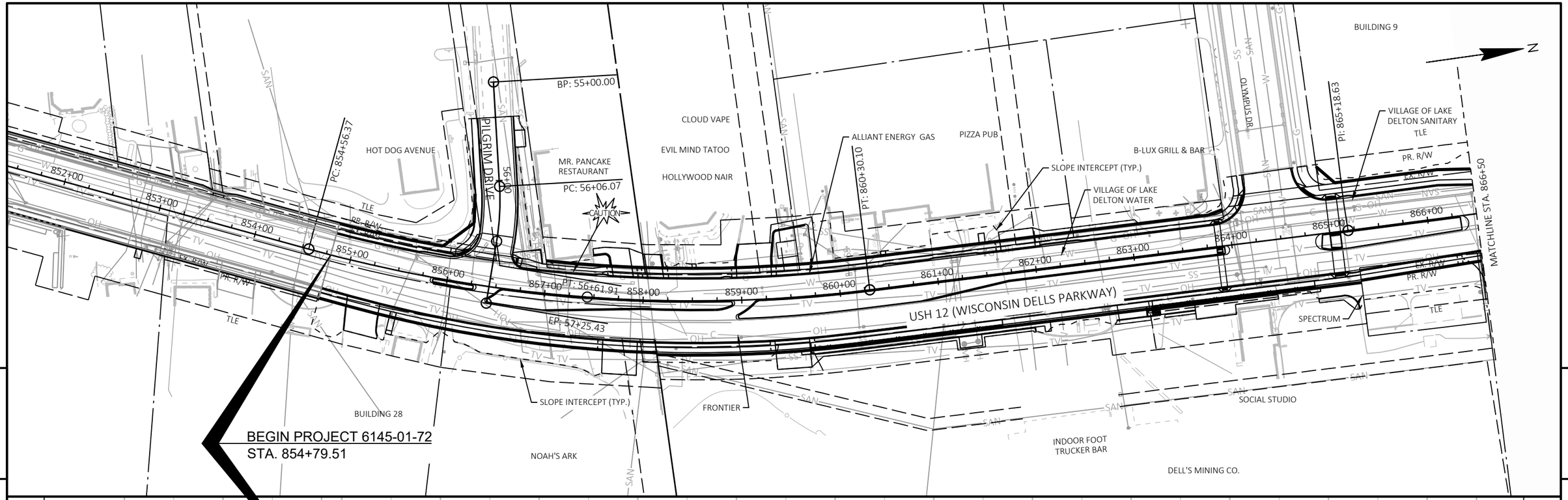
PROJECT NO: 6145-01-72	HWY: USH 12	COUNTY: SAUK	PLAN AND PROFILE : USH 12 - NB PGL	SHEET 813 E

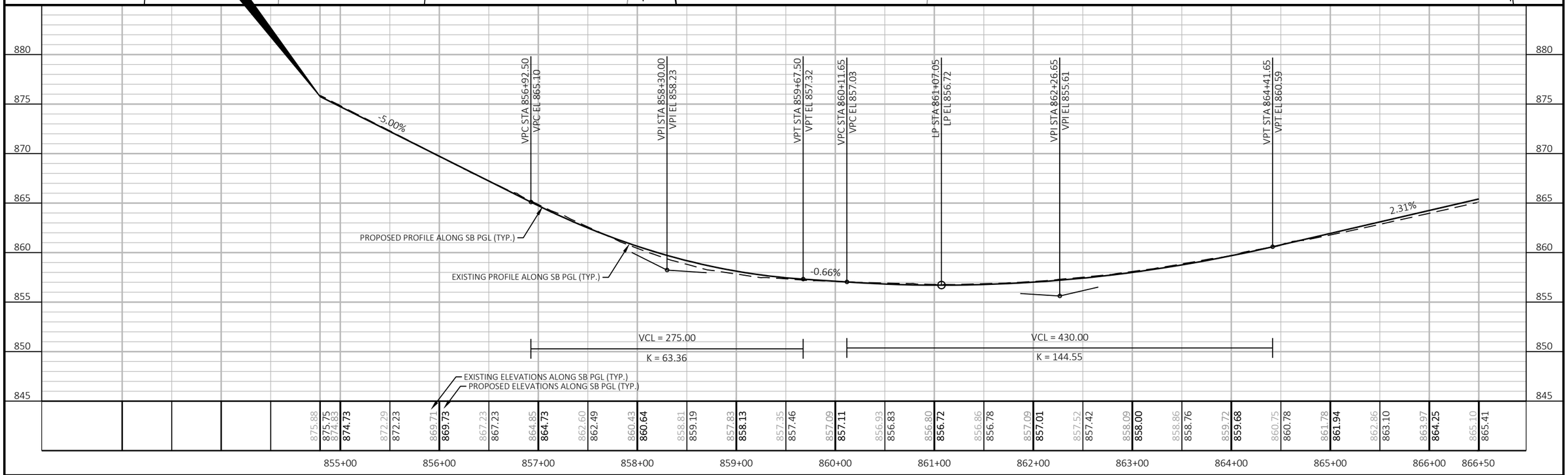
FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-72\050101_PP.DWG
LAYOUT NAME - 050103_pp
PLOT DATE : 6/18/2025 9:46 AM
PLOT BY : BARRETT, WILL
PLOT NAME :
PLOT SCALE : 1 IN:100 FT



BM	STATION	OFFSET	DESCRIPTION	ELEVATION
BM13	701+81.51	33.62' LT	GEAR SPIKE IN EAST FACE OF PP#B205LB, SECOND PP SOUTH OF MT. OLYMPUS MAIN ENTRANCE, WEST SIDE OF WISCONSIN DELLS PARLWAY	888.58

PROJECT NO: 6145-01-72	HWY: USH 12	COUNTY: SAUK	PLAN AND PROFILE : USH 12 - NB PGL	SHEET 814	E

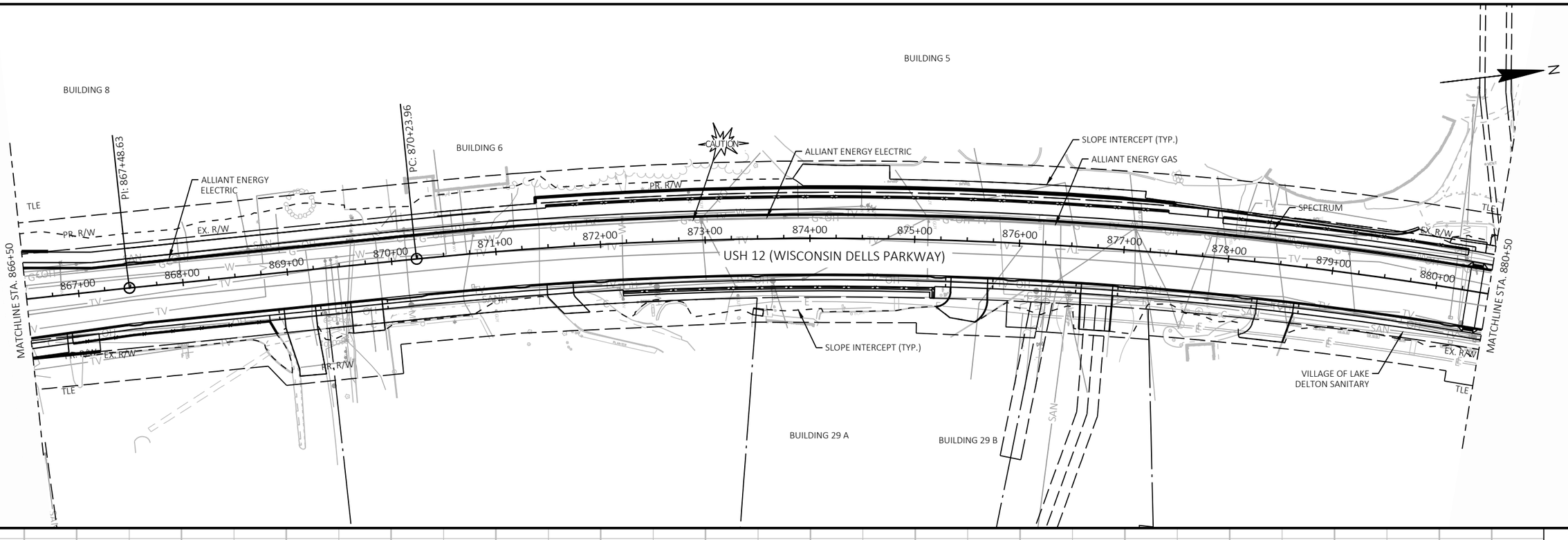


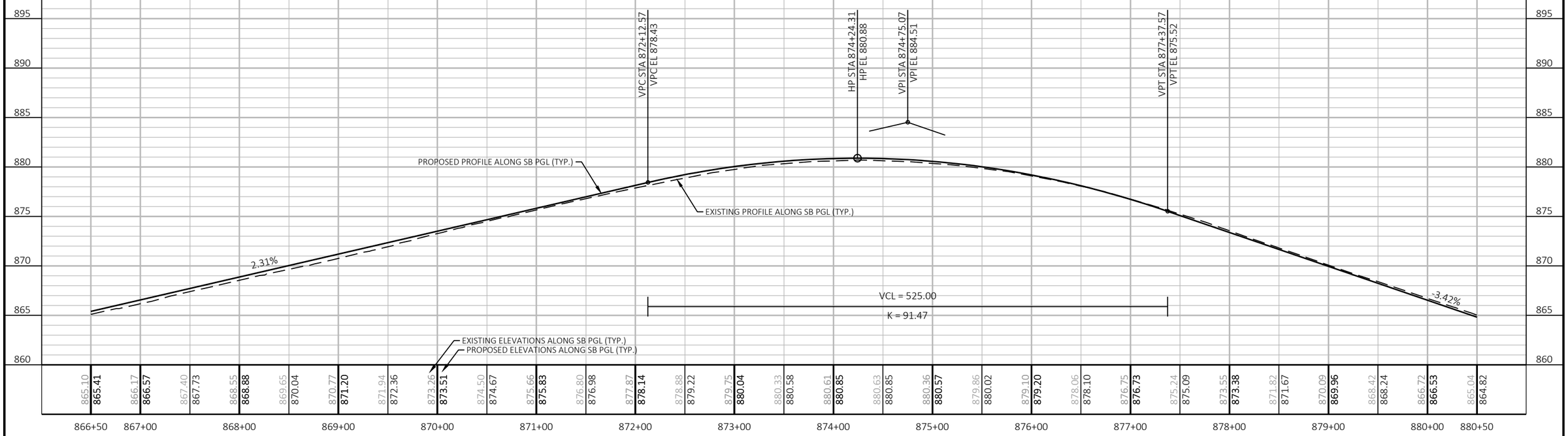


PROJECT NO: 6145-01-72	HWY: USH 12	COUNTY: SAUK	PLAN AND PLOT : USH 12 - SB PGL	SHEET 815	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-72\050102_PP.DWG
LAYOUT NAME - 050101_pp

PLOT DATE : 6/18/2025 9:46 AM PLOT BY : BARRETT, WILL PLOT NAME : PLOT SCALE : 1 IN:100 FT



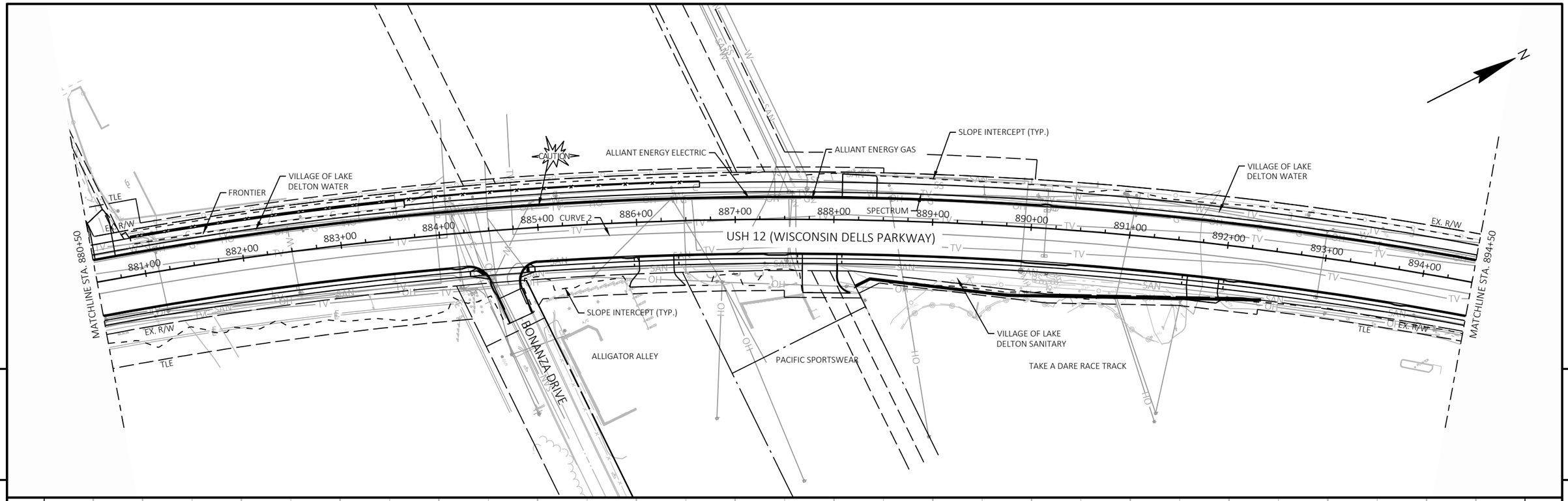


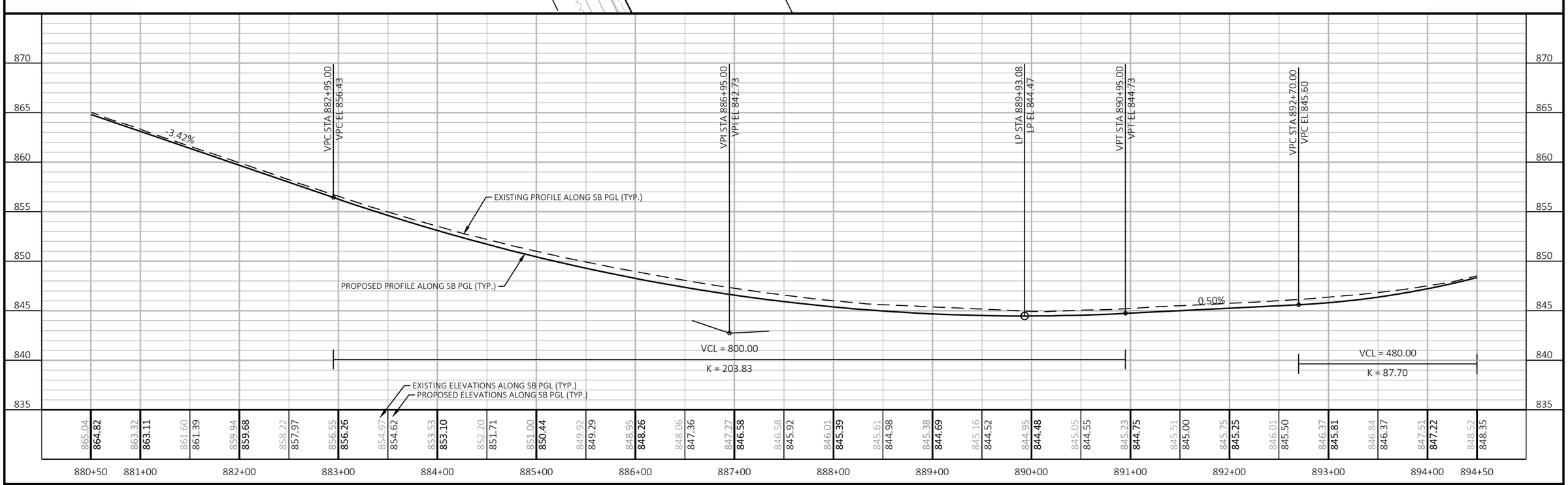
PROJECT NO: 6145-01-72	HWY: USH 12	COUNTY: SAUK	PLAN AND PROFILE : USH 12 - SB PGL	SHEET 816 E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-72\050102_PP.DWG
LAYOUT NAME - 050102_pp

PLOT DATE : 6/18/2025 9:47 AM PLOT BY : BARRETT, WILL PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44



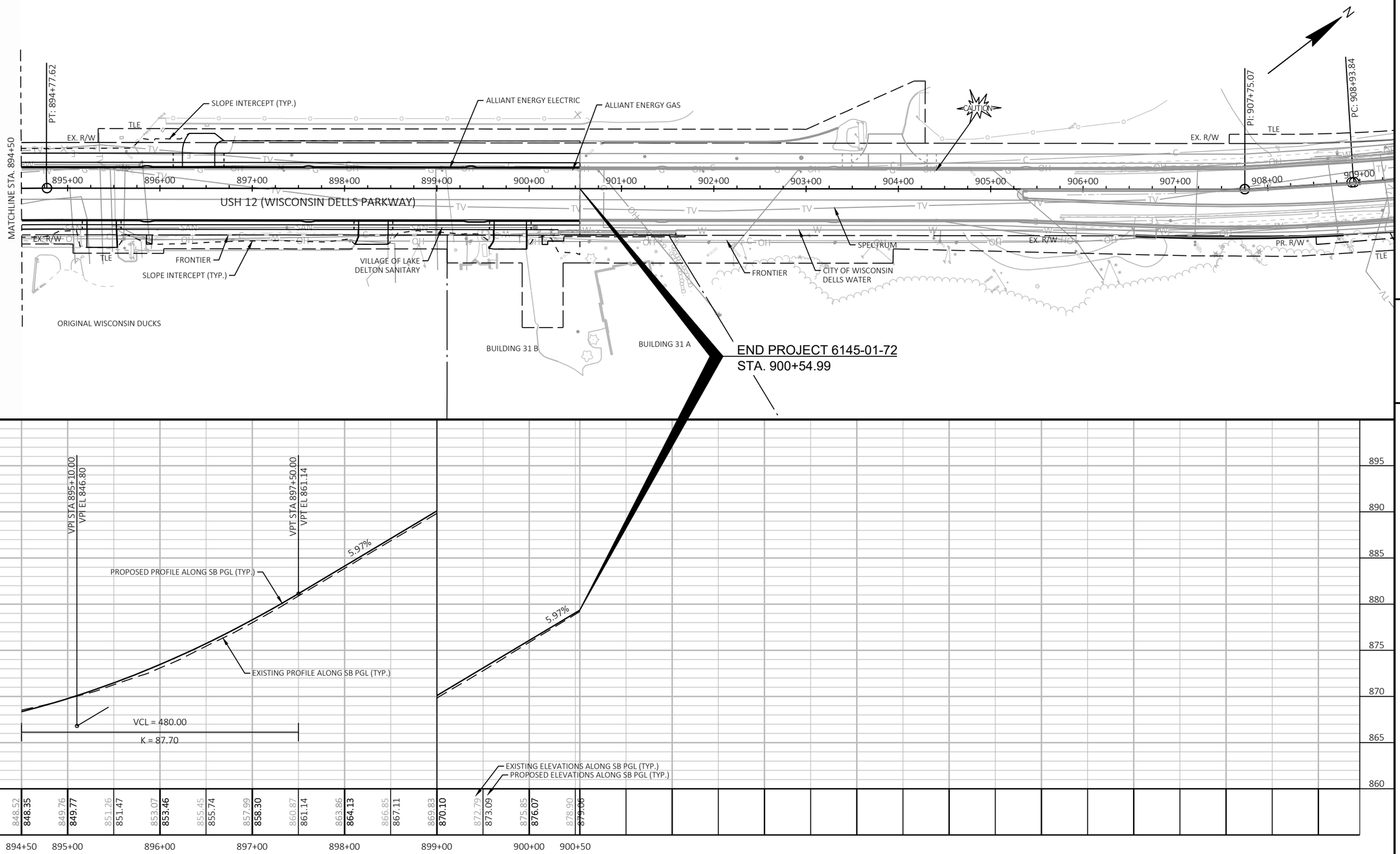


PROJECT NO: 6145-01-72	HWY: USH 12	COUNTY: SAUK	PLAN AND PROFILE : USH 12 - SB PGL	SHEET 817	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-72\050102_PP.DWG
LAYOUT NAME - 050103_pp

PLOT DATE : 6/18/2025 9:47 AM PLOT BY : BARRETT, WILL PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44



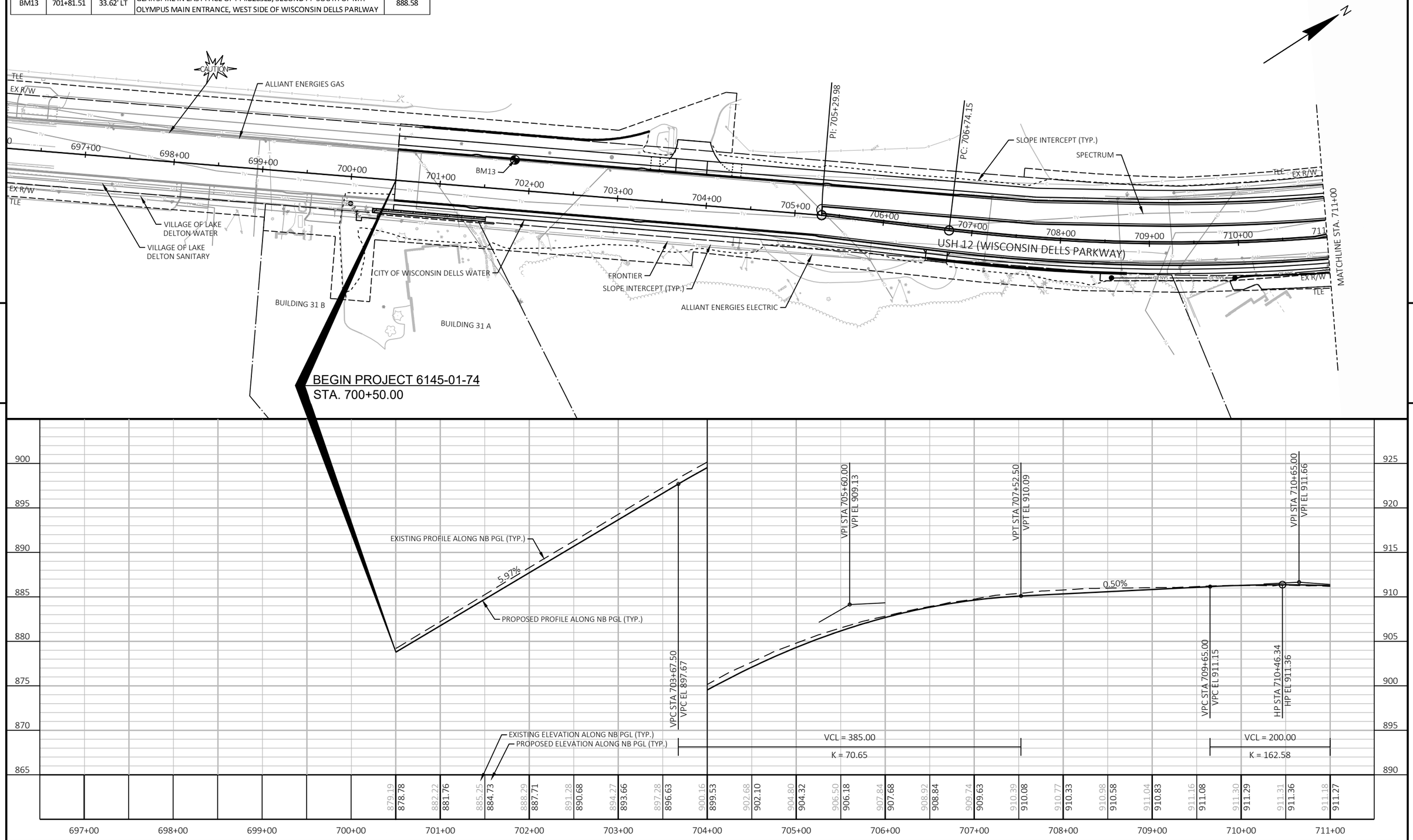
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FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-72\050102_PP.DWG
LAYOUT NAME - 050104_pp

PLOT DATE : 6/18/2025 9:47 AM PLOT BY : BARRETT, WILL PLOT NAME : PLOT SCALE : 1 IN:100 FT

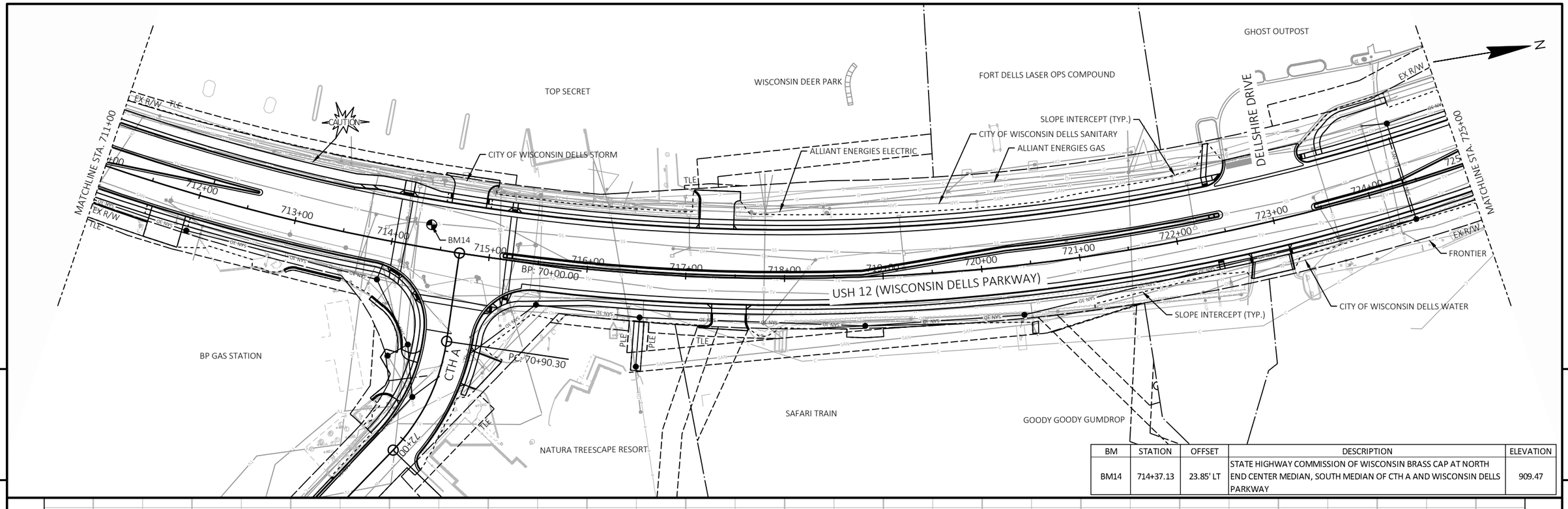
WISDOT/CADDS SHEET 44

BM	STATION	OFFSET	DESCRIPTION	ELEVATION
BM13	701+81.51	33.62' LT	GEAR SPIKE IN EAST FACE OF PP#B205LB, SECOND PP SOUTH OF MT. OLYMPUS MAIN ENTRANCE, WEST SIDE OF WISCONSIN DELLS PARLWAY	888.58

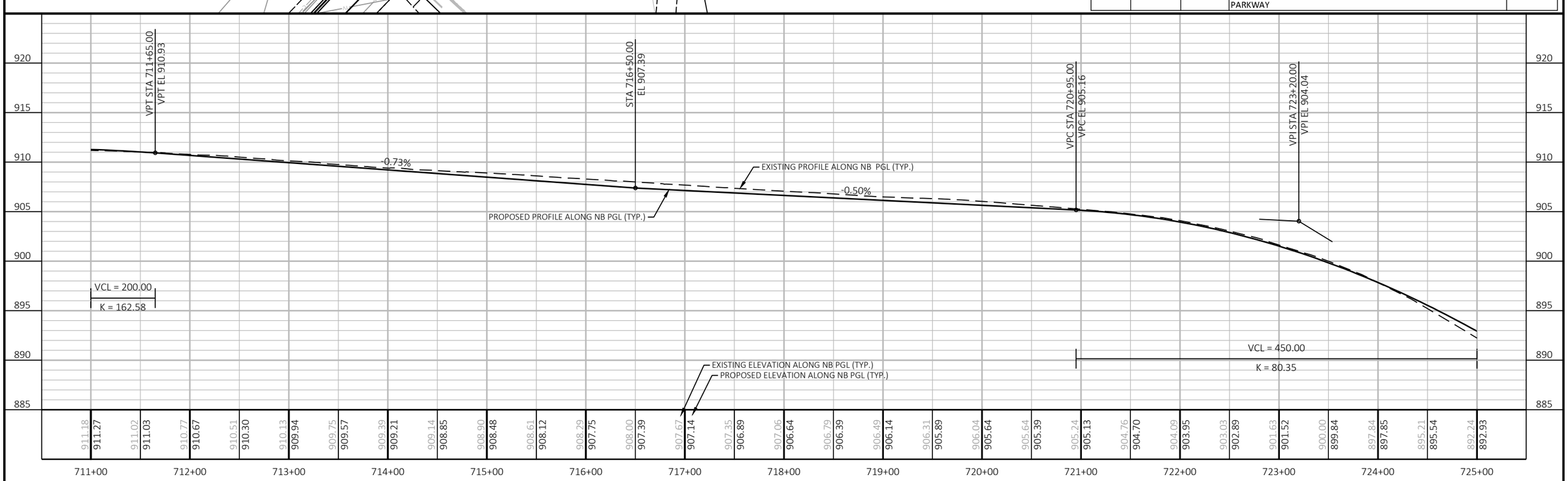


PROJECT NO: 6145-01-74	HWY: USH 12	COUNTY: SAUK	PLAN AND PROFILE: USH 12 - NB PGL	SHEET 819	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-74\050101_PP.DWG
LAYOUT NAME - 050101_pp
PLOT DATE : 6/18/2025 9:47 AM
PLOT BY : BARRETT, WILL
PLOT NAME :
PLOT SCALE : 1 IN:100 FT

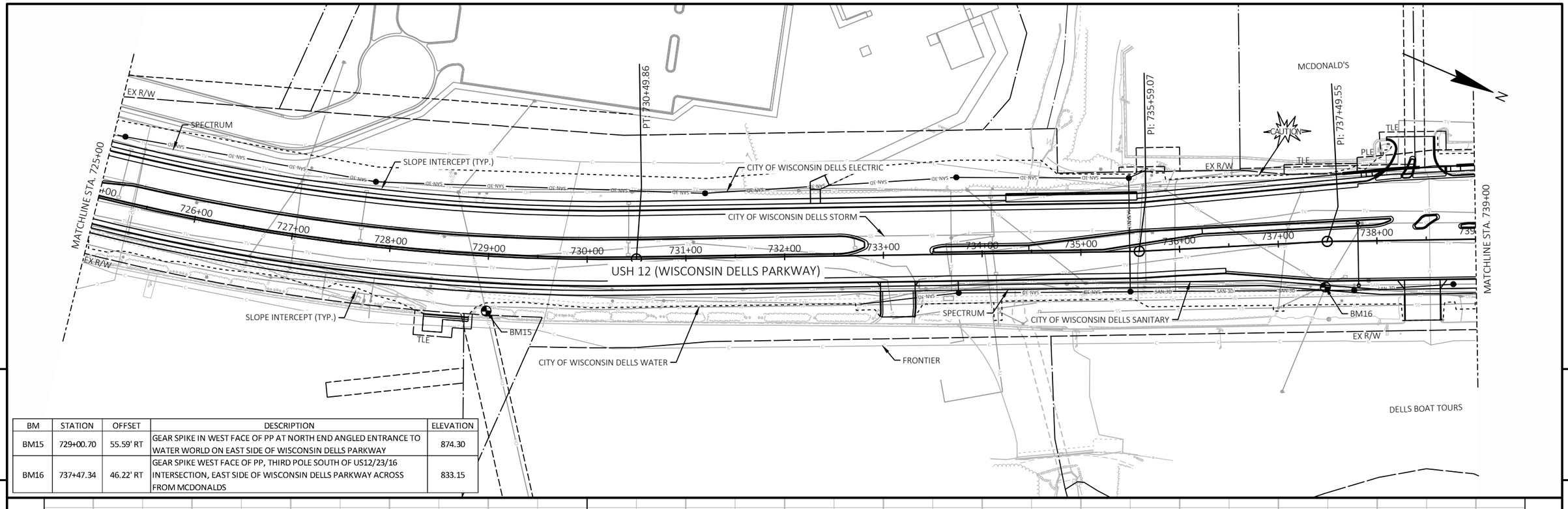


BM	STATION	OFFSET	DESCRIPTION	ELEVATION
BM14	714+37.13	23.85' LT	STATE HIGHWAY COMMISSION OF WISCONSIN BRASS CAP AT NORTH END CENTER MEDIAN, SOUTH MEDIAN OF CTH A AND WISCONSIN DELLS PARKWAY	909.47

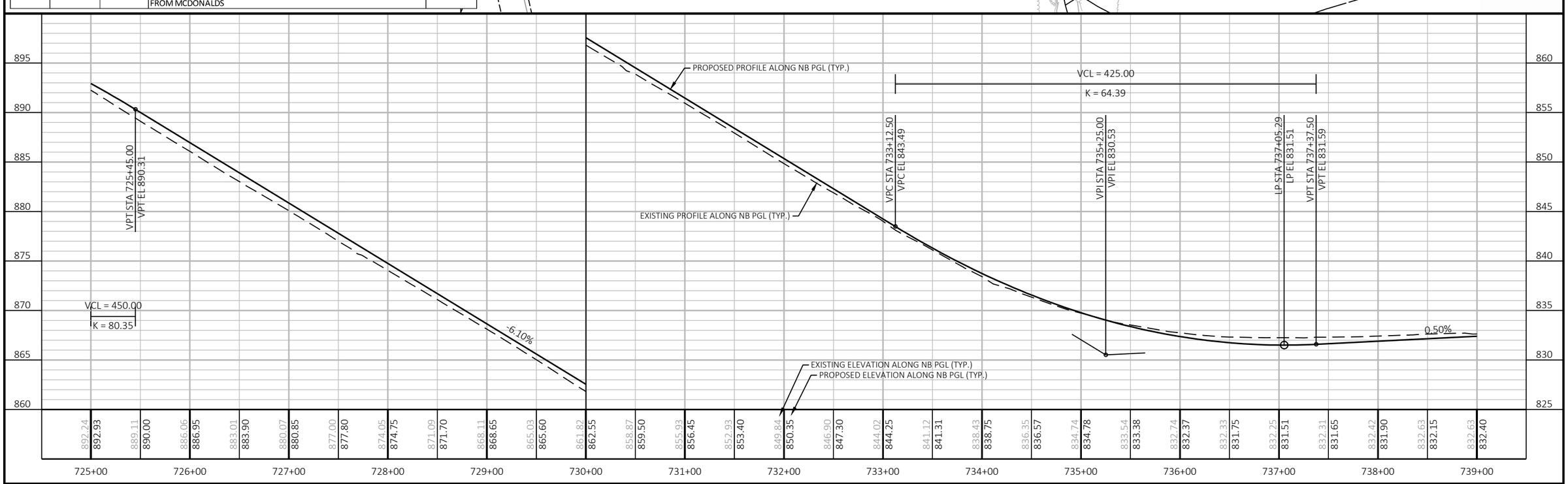


PROJECT NO: 6145-01-74	HWY: USH 12	COUNTY: SAUK	PLAN AND PROFILE: USH 12 - NB PGL	SHEET 820	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-74\050101_PP.DWG
LAYOUT NAME - 050102_pp
PLOT DATE : 6/18/2025 9:47 AM
PLOT BY : BARRETT, WILL
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44

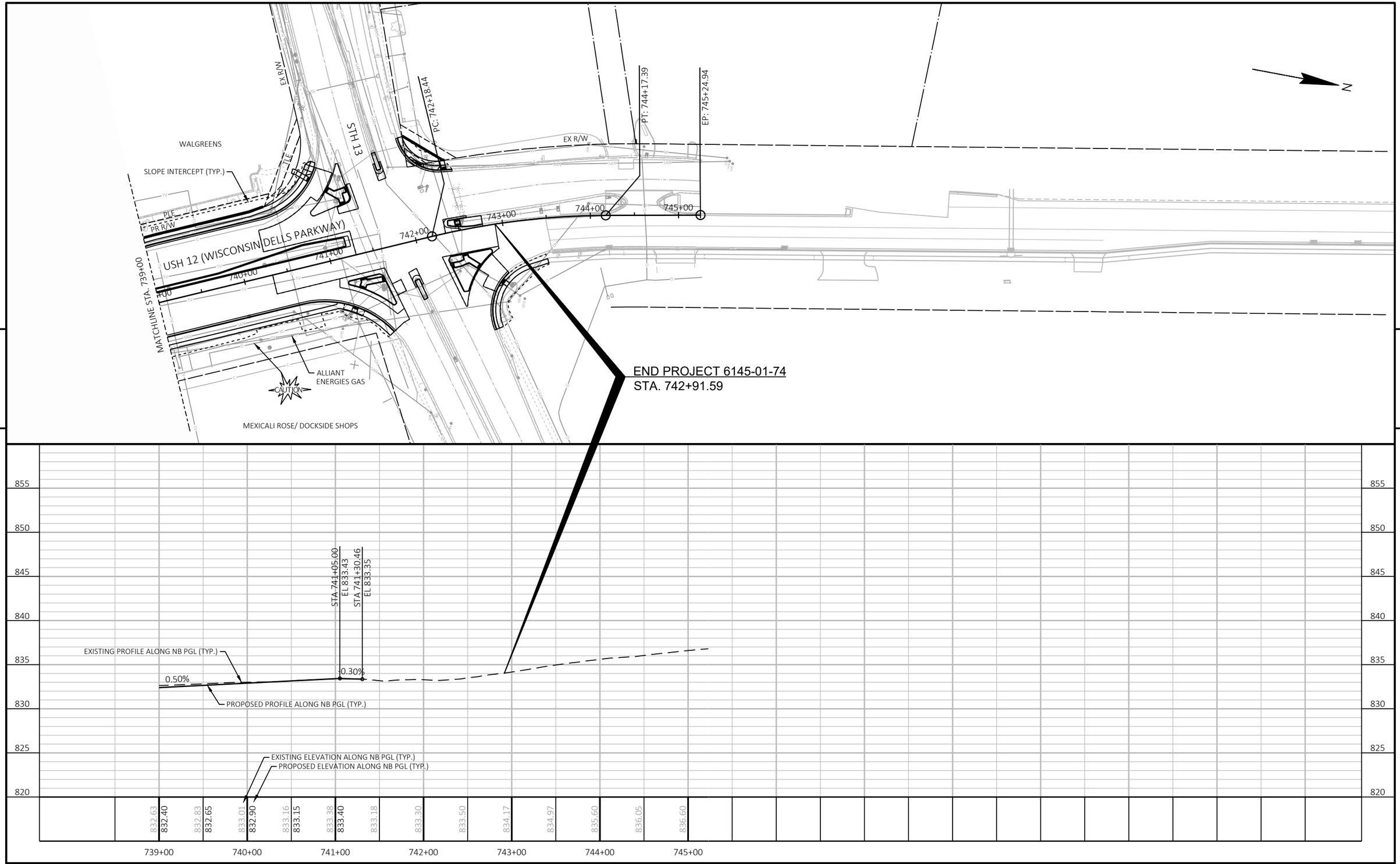


BM	STATION	OFFSET	DESCRIPTION	ELEVATION
BM15	729+00.70	55.59' RT	GEAR SPIKE IN WEST FACE OF PP AT NORTH END ANGLED ENTRANCE TO WATER WORLD ON EAST SIDE OF WISCONSIN DELLS PARKWAY	874.30
BM16	737+47.34	46.22' RT	GEAR SPIKE WEST FACE OF PP, THIRD POLE SOUTH OF US12/23/16 INTERSECTION, EAST SIDE OF WISCONSIN DELLS PARKWAY ACROSS FROM MCDONALDS	833.15



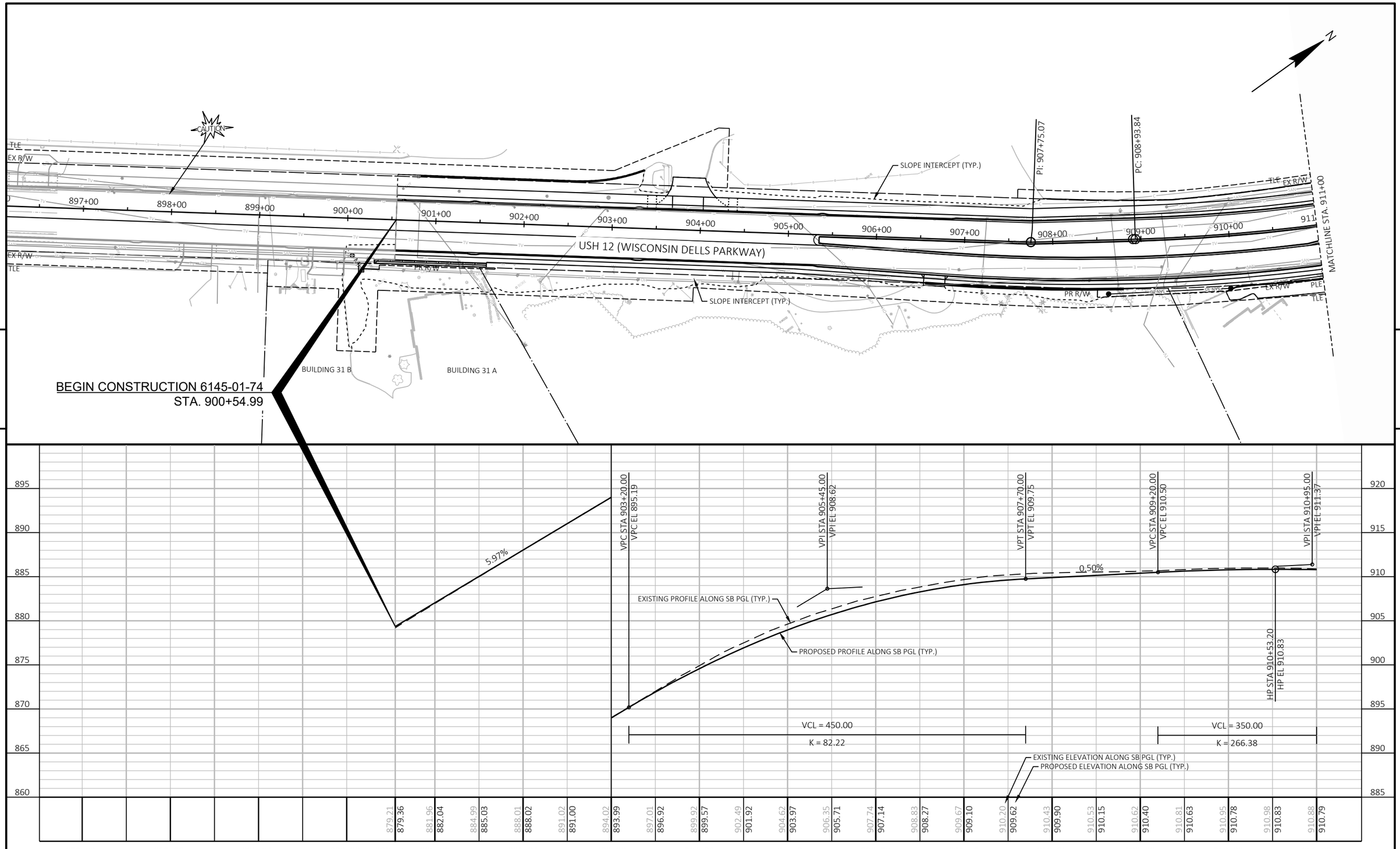
PROJECT NO: 6145-01-74	HWY: USH 12	COUNTY: SAUK	PLAN AND PROFILE: USH 12 - NB PGL	SHEET 821	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-74\050101_PP.DWG
LAYOUT NAME - 050103_pp
PLOT DATE : 6/18/2025 9:48 AM
PLOT BY : BARRETT, WILL
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44



PROJECT NO: 6145-01-74	HWY: USH 12	COUNTY: SAUK	PLAN AND PROFILE: USH 12 - NB PGL	SHEET 822	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-74\050101_PP.DWG
LAYOUT NAME - 050104_pp
PLOT DATE : 6/18/2025 9:48 AM
PLOT BY : BARRETT, WILL
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44

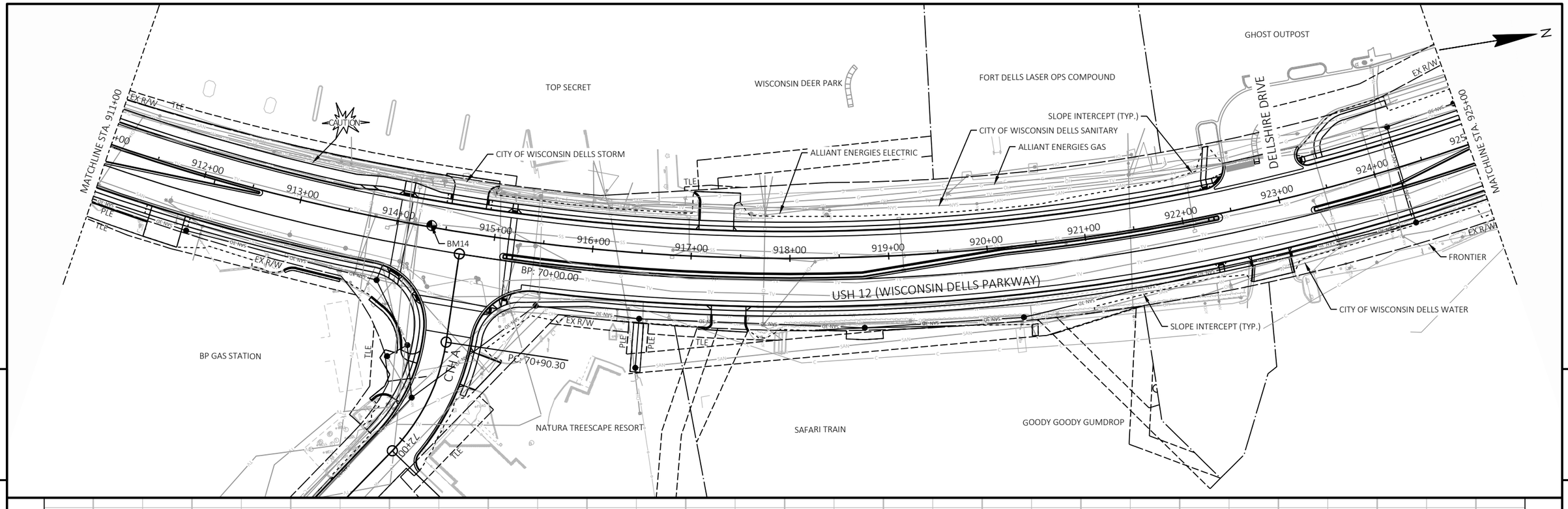


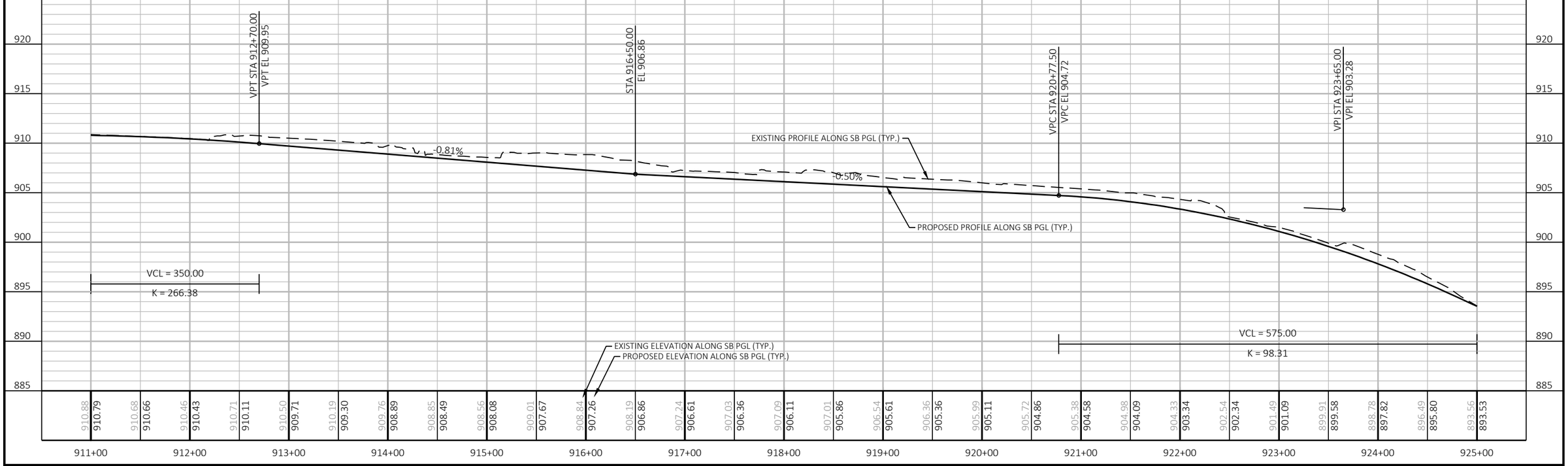
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FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-74\050102_PP.DWG
LAYOUT NAME - 050101_pp

PLOT DATE : 6/18/2025 9:48 AM PLOT BY : BARRETT, WILL PLOT NAME : PLOT SCALE : 1 IN:100 FT

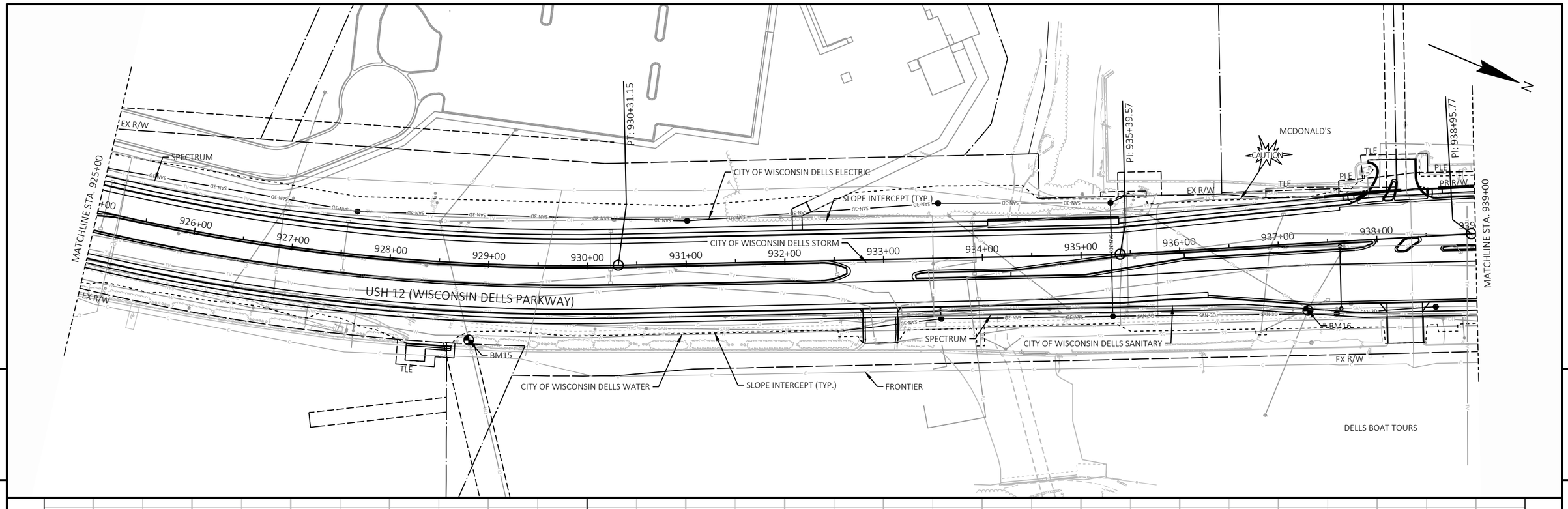
WISDOT/CADDS SHEET 44

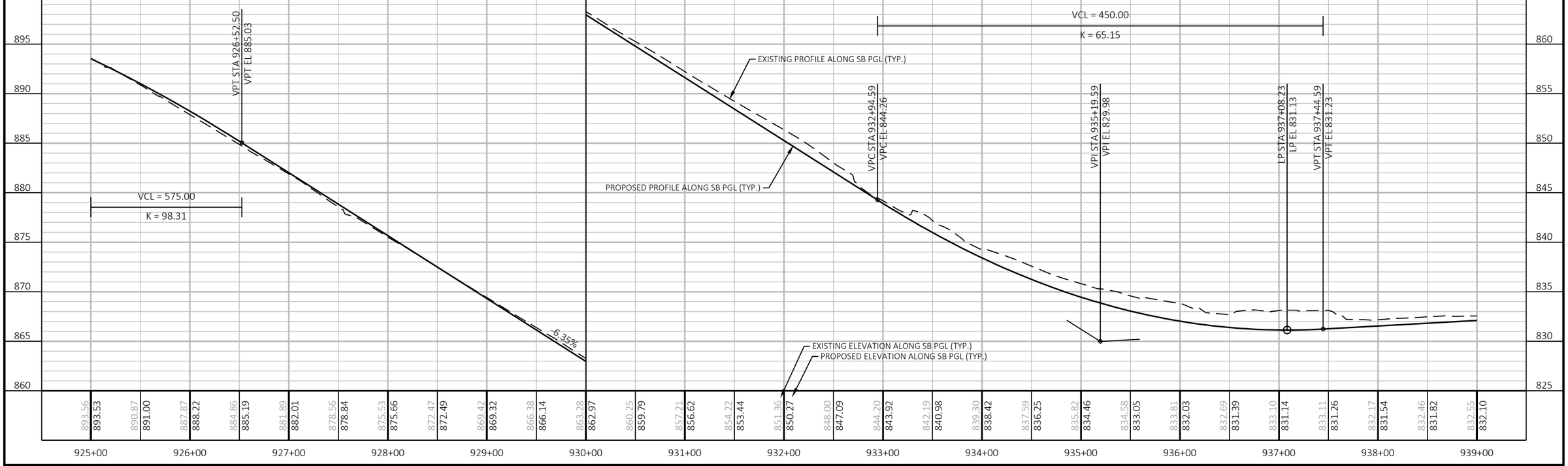




PROJECT NO: 6145-01-74	HWY: USH 12	COUNTY: SAUK	PLAN AND PROFILE: USH 12 - SB PGL	SHEET 824 E

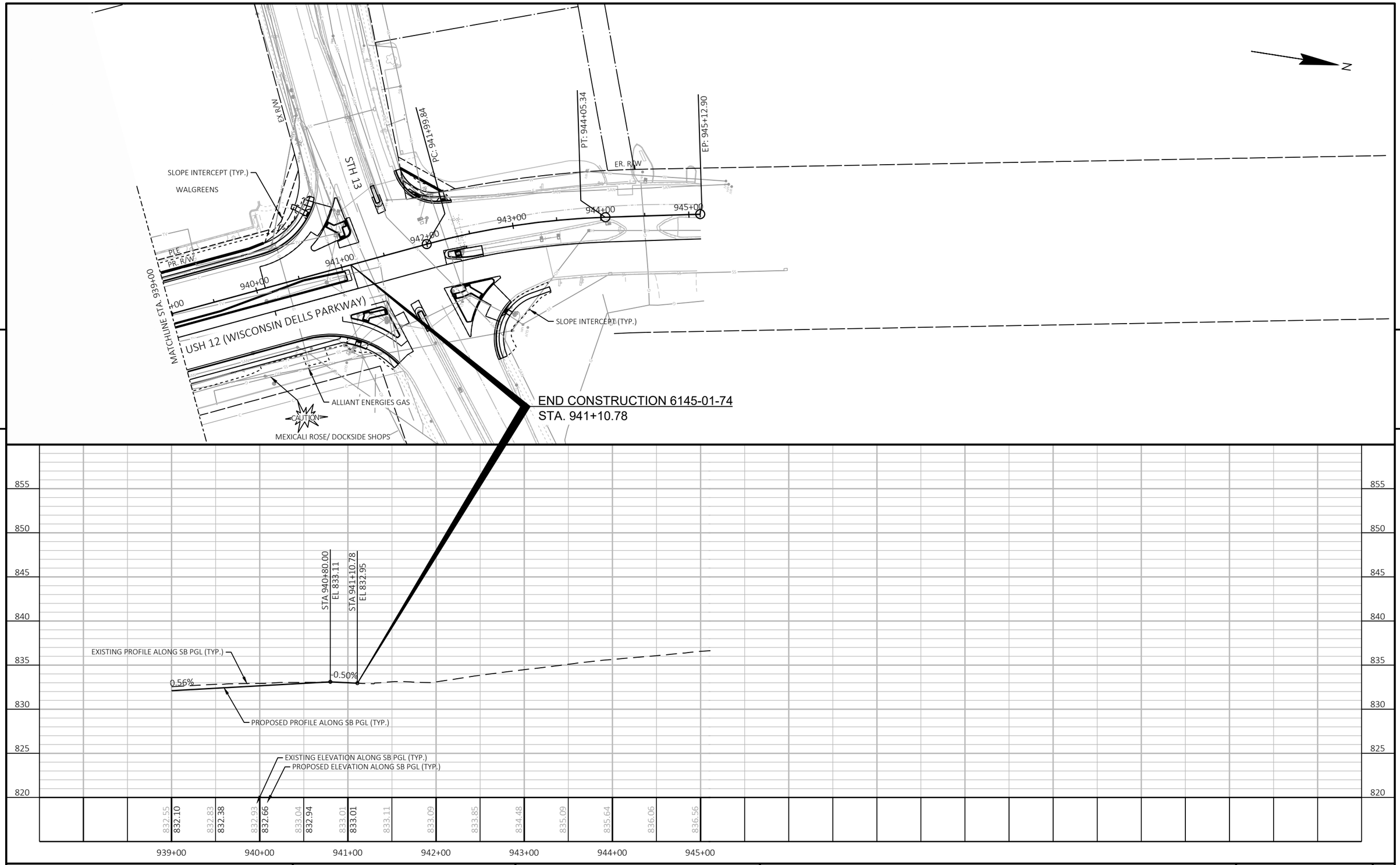
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LAYOUT NAME - 050102_pp
PLOT DATE : 6/18/2025 9:48 AM
PLOT BY : BARRETT, WILL
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44





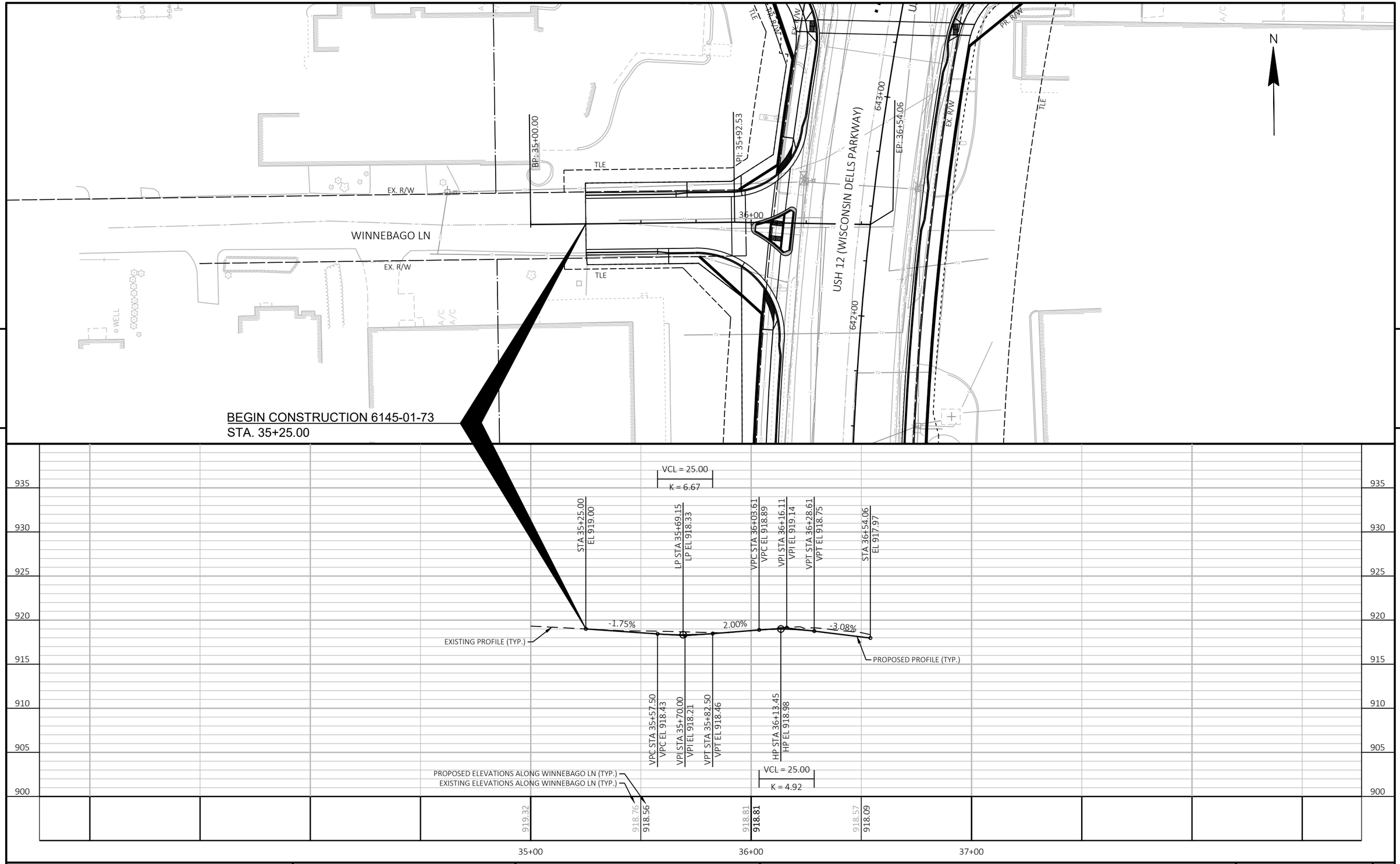
PROJECT NO: 6145-01-74	HWY: USH 12	COUNTY: SAUK	PLAN AND PROFILE: USH 12 - SB PGL	SHEET 825	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-74\050102_PP.DWG
LAYOUT NAME - 050103_pp
PLOT DATE : 6/18/2025 9:48 AM
PLOT BY : BARRETT, WILL
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44



PROJECT NO: 6145-01-74	HWY: USH 12	COUNTY: SAUK	PLAN AND PROFILE: USH 12 - SB PGL	SHEET 826	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-74\050102_PP.DWG
LAYOUT NAME - 050104_pp
PLOT DATE : 6/18/2025 9:48 AM
PLOT BY : BARRETT, WILL
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44

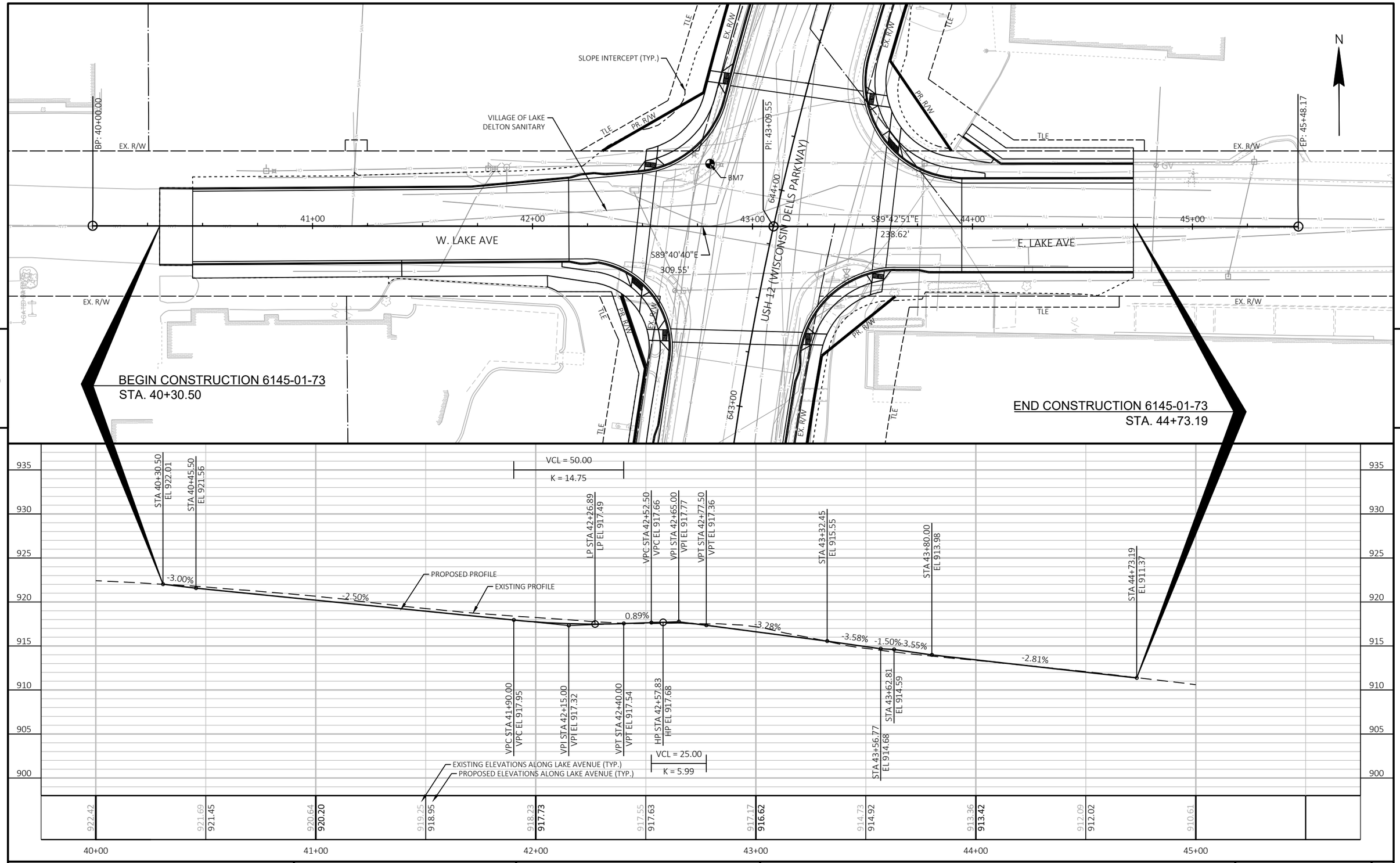


PROJECT NO: 6145-01-73	HWY: USH 12	COUNTY: SAUK	PLAN AND PLOT: WINNEBAGO LN	SHEET 827	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-73\050102_PP.DWG
LAYOUT NAME - 050101_pp

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WISDOT/CADDS SHEET 44

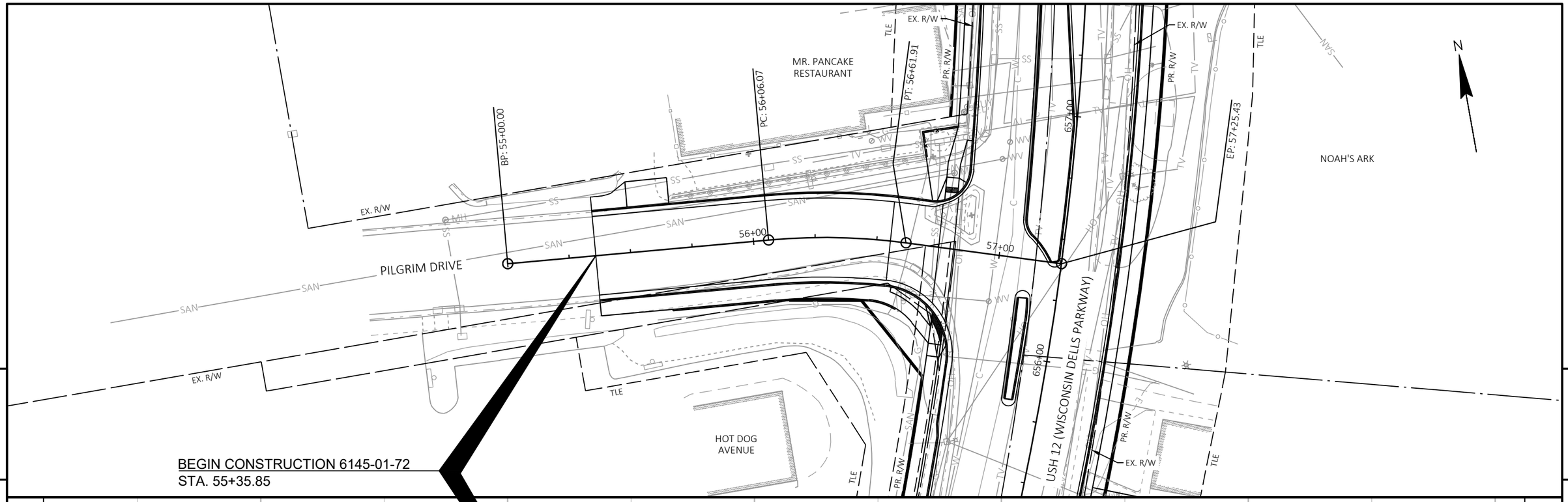


PROJECT NO: 6145-01-73	HWY: USH 12	COUNTY: SAUK	PLAN AND PROFILE: LAKE AVENUE	SHEET 828	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-73\050103_PP.DWG
LAYOUT NAME - 050101_pp

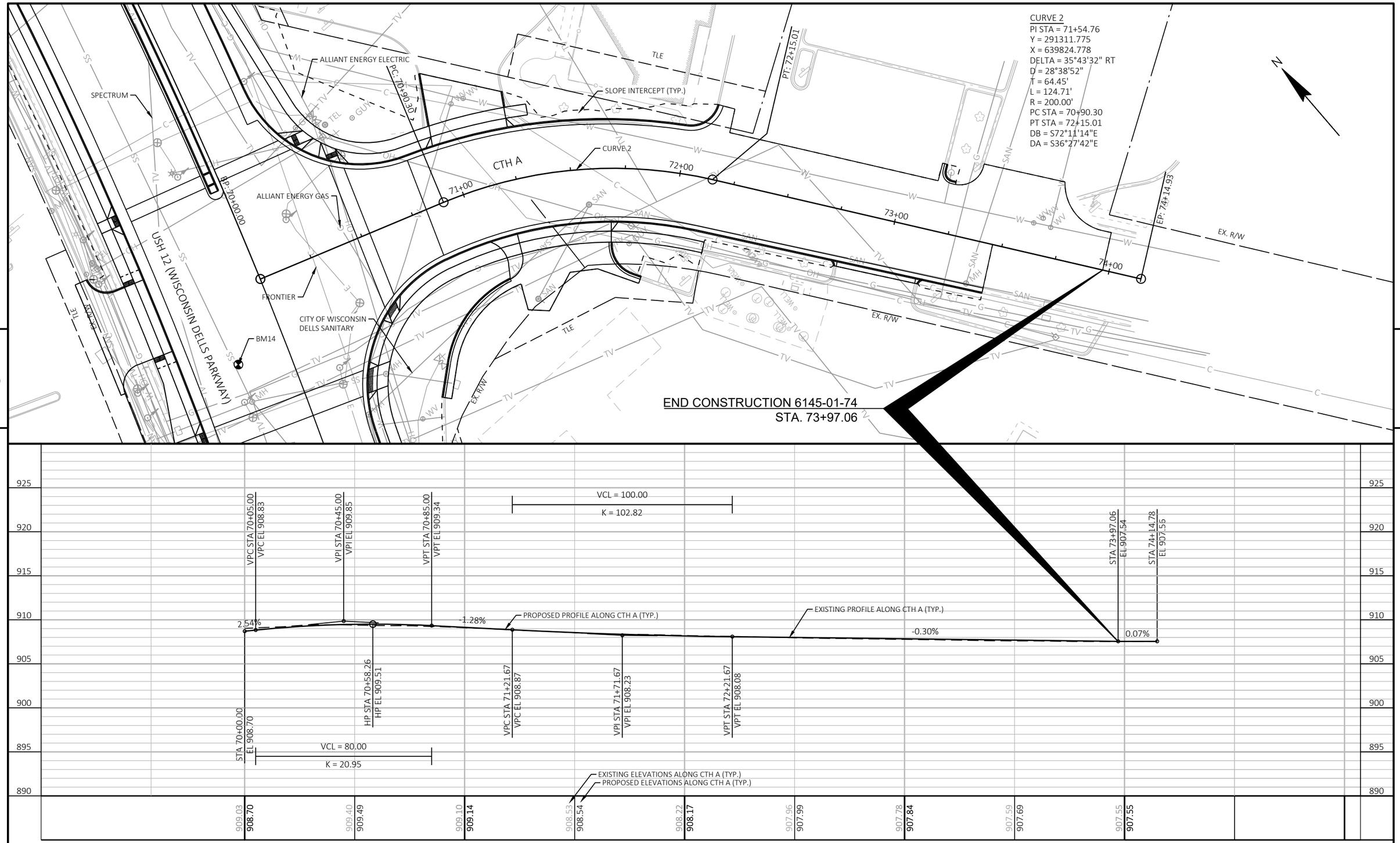
PLOT DATE : 6/26/2025 1:04 PM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44



PROJECT NO: 6145-01-72	HWY: USH 12	COUNTY: SAUK	PLAN AND PROFILE: PILGRIM DRIVE	SHEET 829	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-72\050103_PP.DWG
LAYOUT NAME - 01
PLOT DATE : 6/18/2025 9:49 AM
PLOT BY : BARRETT, WILL
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44



PROJECT NO: 6145-01-72	HWY: USH 12	COUNTY: SAUK	PLAN AND PLOT - CTH A	SHEET 830	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-74\050103_PP.DWG
LAYOUT NAME - 050101_pp
PLOT DATE : 6/26/2025 1:06 PM
PLOT BY : CHAPMAN, JULIE
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44

Standard Detail Drawing List

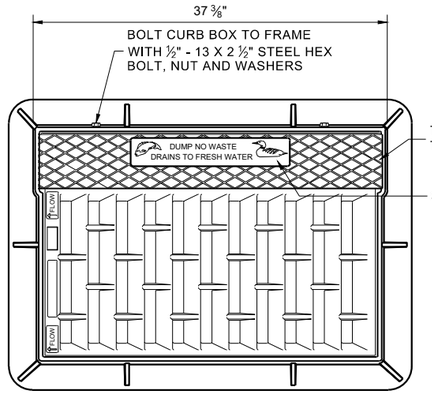
08A05-22A	INLET COVERS TYPE A, H, A-S, H-S & Z
08A05-22B	INLET COVERS TYPE B, B-A, C, MS, MS-A, DW & WM
08A05-22C	INLET COVERS TYPE F, HM, HM-S, S, T, HM-GJ & HM-GJ-S
08A05-22E	INLET COVER TYPE BW, MANHOLE COVERS, TYPE K, J, J-S, L & M
08B09-04	MANHOLES 3-FT, 4-FT, 5-FT, 6-FT, 7-FT, 8-FT, 9-FT, 10-FT DIAMETER
08C06-03	INLETS 3-FT AND 4-FT DIAMETER
08C07-03	INLETS 2X2-FT, 2X2.5-FT, 2X3-FT, 2.5X3-FT & 2X3.5-FT
08D01-24A	CONCRETE CURB & GUTTER
08D01-24B	CONCRETE CURB, TIES AND CURB AND GUTTER APPLICATIONS
08D05-22B	CURB RAMPS TYPES 2 AND 3
08D05-22D	CURB RAMPS TYPES 4B AND 4B1
08D05-22E	CURB RAMPS TYPES 5, 6, 7A, 7B & 8
08D05-22F	CURB RAMPS RADIAL DETECTABLE WARNING FIELD APPLICATIONS
08D05-22G	CURB RAMPS RECTANGULAR AND RADIAL DETECTABLE WARNING PLATES
08E08-03	TYPICAL INSTALLATIONS OF EROSION BALES / TEMPORARY DITCH CHECKS
08E09-06	SILT FENCE
08E10-02	INLET PROTECTION TYPE A, B, C AND D
08E14-01	TRACKING PAD
08E15-01	CULVERT PIPE CHECK
08F03-03	DETAILS FOR PIPE CATTLE PASS, CONCRETE ENDWALLS AND STEPS
08F04-08	JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL
09A11-01	DRIVEWAY AND SIDEWALK RAMPS TYPE X AND Y
09B02-10	CONDUIT
09B04-13	PULL BOX
09C02-09	CONCRETE BASES, TYPES 1, 2, 5, & 6
09C03-04	TRANSFORMER/PEDESTAL BASES
09C06-07	CONCRETE CONTROL CABINET BASE, TYPE 9, SPECIAL
09C11-11	CONCRETE BASE TYPE 10
09C12-10A	CONCRETE BASE TYPE 13
09C12-10B	CONCRETE BASE TYPE 13
09C15-03	CONCRETE BASE TYPE 10 SPECIAL
09C16-01	CONCRETE BASE TYPE 10 SPECIAL EXTENSION
09D01-05	CABINET SERVICE INSTALLATION (METER BREAKER PEDESTAL)
09D02-03	SIGNAL CONTROL CABINET
09E08-09F	TYPE 10 SPECIAL POLE 35' MONOTUBE ARM
09E08-09G	TYPE 10 SPECIAL POLE 40' MONOTUBE ARM
09E08-09H	TYPE 10 SPECIAL POLE 45' MONOTUBE ARM
09E08-09J	TYPE 13 POLE 35'-55' MONOTUBE ARM
09E08-09K	GENERAL NOTES, HARDWARE DETAILS FOR TYPE 9, 10, 9/10 SPECIAL,12 & 13 POLES W/ MONOTUBE ARMS
09G01-04A	SPAN WIRE TEMPORARY TRAFFIC SIGNAL
09G01-04B	SPAN WIRE TEMPORARY TRAFFIC SIGNAL
09G01-04C	SPAN WIRE TEMPORARY TRAFFIC SIGNAL
09G01-04D	SPAN WIRE TEMPORARY TRAFFIC SIGNAL
09G01-04E	SPAN WIRE TEMPORARY TRAFFIC SIGNAL
09G01-04F	SPAN WIRE TEMPORARY TRAFFIC SIGNAL
11B01-05	CONCRETE CORRUGATED MEDIAN
11B02-02	CONCRETE MEDIAN NOSE
12A03-10	NAME PLATE (STRUCTURES)
13C18-08A	CONCRETE PAVEMENT JOINTING
13C18-08B	CONCRETE PAVEMENT STEEL REINFORCEMENT
13C18-08C	CONCRETE PAVEMENT JOINT TYPES
13C18-08D	CONCRETE PAVEMENT JOINTING AT UTILITY FIXTURES
13C18-08F	CONCRETE PAVEMENT INTERSECTION BOXOUT FOR INTEGRAL CURB AND GUTTER
15B03-15A	FENCE CHAIN LINK
15B03-15B	FENCE CHAIN LINK
15C02-10A	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C02-10B	BARRICADES AND SIGNS FOR VARIOUS CLOSURES
15C02-10C	DETOUR SIGNING FOR MAINLINE CLOSURES
15C02-10E	OFF RAMP LANE CLOSURE
15C03-05	BARRICADES AND SIGNS FOR SIDEROAD CLOSURES
15C05-05	TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 M.P.H. OR LESS TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC
15C07-16A	PAVEMENT MARKING SYMBOLS
15C07-16B	PAVEMENT MARKING WORDS
15C07-16C	PAVEMENT MARKING ARROWS
15C07-16E	PAVEMENT MARKING FOR BIKE LANES
15C08-24A	PERMANENT LONGITUDINAL PAVEMENT MARKINGS

6

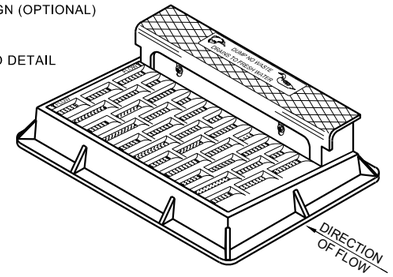
Standard Detail Drawing List

15C08-24B	TEMPORARY LONGITUDINAL PAVEMENT MARKING
15C08-24C	PAVEMENT MARKING (TURN LANES)
15C08-24D	PAVEMENT MARKING (TURN LANES)
15C11-10A	CHANNELIZING DEVICES FLEXIBLE TUBULAR MARKER POST
15C11-10B	CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS
15C12-09A	TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION
15C18-09A	MEDIAN ISLAND PAVEMENT MARKINGS
15C18-09B	PAVEMENT MARKINGS, MEDIAN ISLAND NOSE
15C29-08A	BICYCLE LANE MARKING
15C33-05	STOP LINE AND CROSSWALK PAVEMENT MARKING
15D06-07	TRAFFIC CONTROL, TWO LANE TWO WAY OPERATION
15D20-11A	TRAFFIC CONTROL, SINGLE LANE CLOSURE, DIVIDED NON-FREEWAY/EXPRESSWAY
15D20-11B	TRAFFIC CONTROL, SINGLE RIGHT LANE CLOSURE, UNDIVIDED NON-FREEWAY/EXPRESSWAY
15D20-11C	TRAFFIC CONTROL, SINGLE LEFT LANE CLOSURE, UNDIVIDED NON-FREEWAY/EXPRESSWAY
15D21-07A	TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LANE CLOSURE
15D28-05	TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY
15D30-12A	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-12B	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-12C	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-12D	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-12E	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-12F	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-12G	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-12H	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-12I	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-12J	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-12K	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-12L	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D39-03	TRAFFIC CONTROL, DROP-OFF SIGNING
15D44-02	TRAFFIC CONTROL, SIGNING ON ROADWAYS WITH MILLED SURFACES
15D45-03	TRAFFIC CONTROL, SIGNING ON ROADWAYS WITH LOOSE GRAVEL
15D50-04A	TRAFFIC CONTROL, ADDED LANE CLOSURE WITHOUT LANE SHIFT
15D50-04B	TRAFFIC CONTROL, ADDED LANE CLOSURE WITH LANE SHIFT

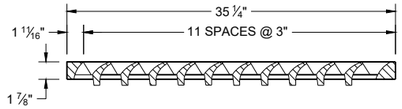
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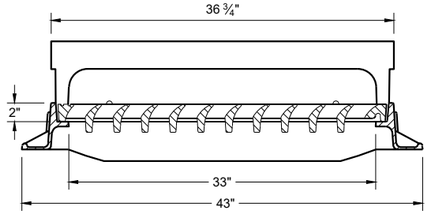


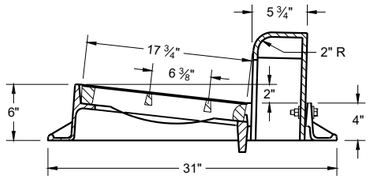
NOTE: EITHER CASTING IS ACCEPTABLE

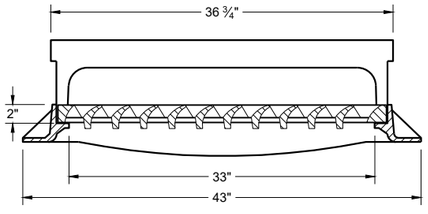


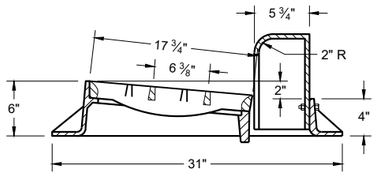
NOTE: CURB BOX HEIGHT ADJUSTABLE 6" - 9"







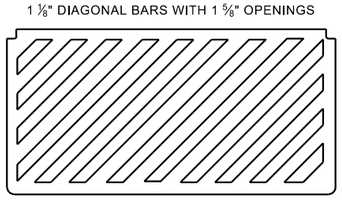




TYPE "H"

NOTE: EITHER CASTING IS ACCEPTABLE

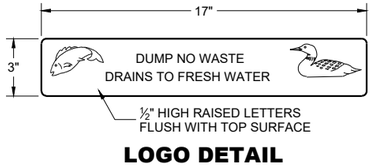
1 1/8" DIAGONAL BARS WITH 1 5/8" OPENINGS



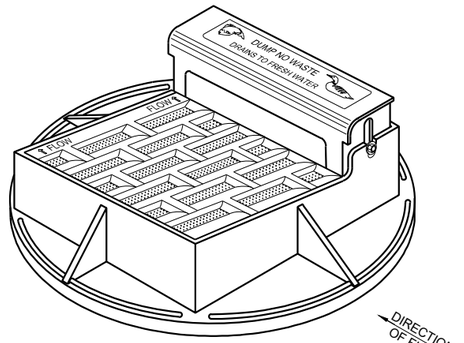
SPECIAL GRATE FOR TYPE "H" COVER

(MEASURES 35" X 17 3/4" X 2")

(NOTED AS TYPE H-S ON DRAINAGE TABLE)

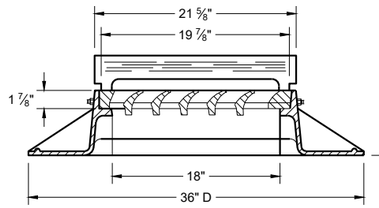


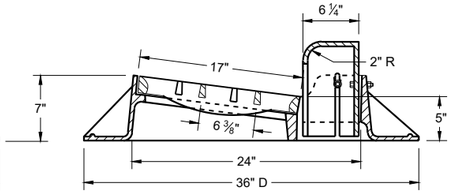
LOGO DETAIL



NOTE: CURB BOX HEIGHT ADJUSTABLE 6" - 9"

NOTE: EITHER CASTING IS ACCEPTABLE





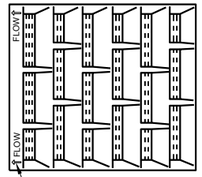
TYPE "A"

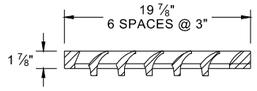
GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

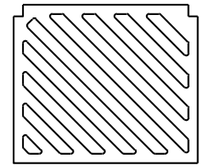
DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR CATCH BASIN, MANHOLE AND INLET COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ROUND FRAMES AND COVERS SHALL HAVE CONTINUOUSLY MACHINED BEARING SURFACES TO PREVENT ROCKING AND RATTLING.





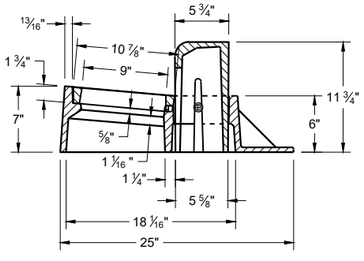
1" DIAGONAL BARS WITH 1 1/2" OPENINGS



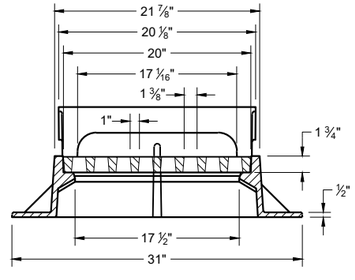
SPECIAL GRATE FOR TYPE "A" COVER

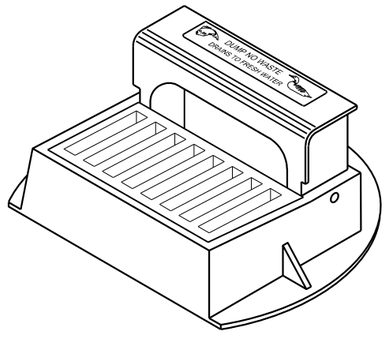
(MEASURES 19 3/4" X 17" X 1 7/8")

(NOTED AS TYPE A-S ON DRAINAGE TABLE)



TYPE "Z"





INLET COVERS
TYPES A, H, A-S, H-S AND Z

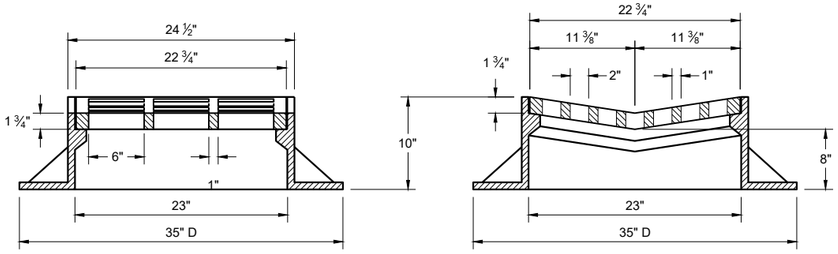
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

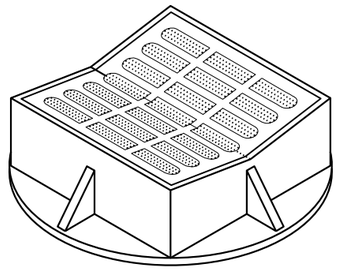
APPROVED
February 2025
DATE

/S/ Rodney Taylor
ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR

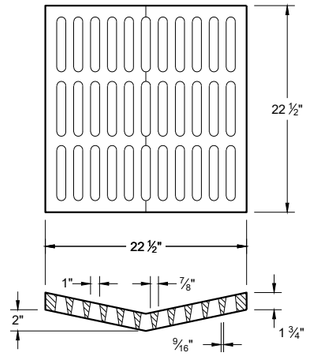
FHWA

6
SDD 08A05-22a





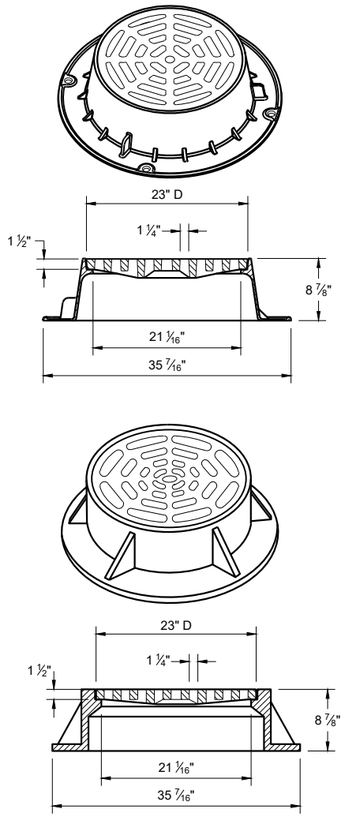
TYPE "B"



ALTERNATIVE GRATE FOR TYPE "B" COVER

USE WHERE PEDESTRIAN OF BICYCLE TRAFFIC IS POSSIBLE

NOTED AS TYPE B - A ON THE DRAINAGE TABLE



TYPE "C"

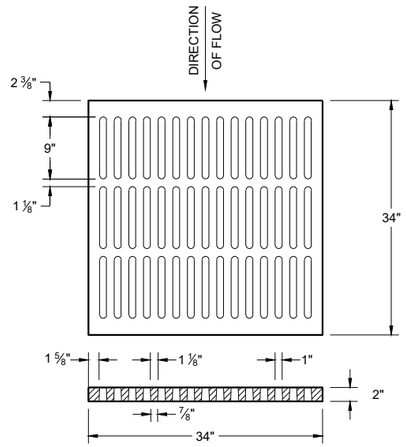
NOTE: EITHER CASTING IS ACCEPTABLE

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR CATCH BASIN, MANHOLE AND INLET COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

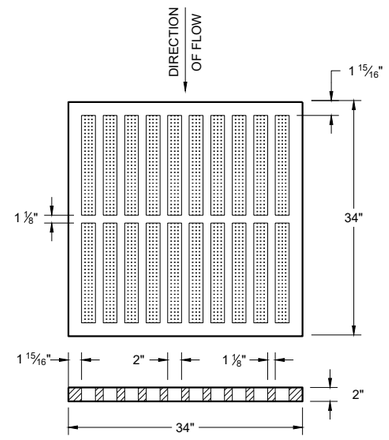
ROUND FRAMES AND COVERS SHALL HAVE CONTINUOUSLY MACHINED BEARING SURFACES TO PREVENT ROCKING AND RATTLING.



ALTERNATIVE TYPE "MS"

USE WHERE PEDESTRIAN OF BICYCLE TRAFFIC IS PERMITTED

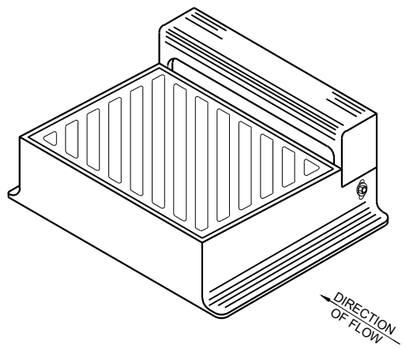
NOTED AS TYPE MS-A ON THE DRAINAGE TABLE



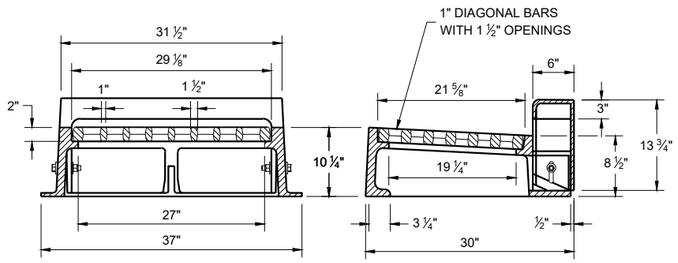
TYPE "MS"

USE ON FREEWAYS AND EXPRESSWAYS

NOTED AS TYPE MS ON THE DRAINAGE TABLE

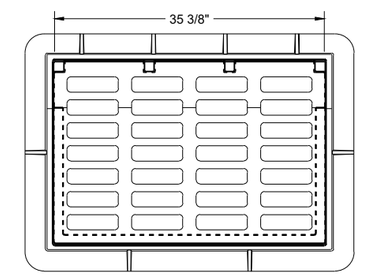


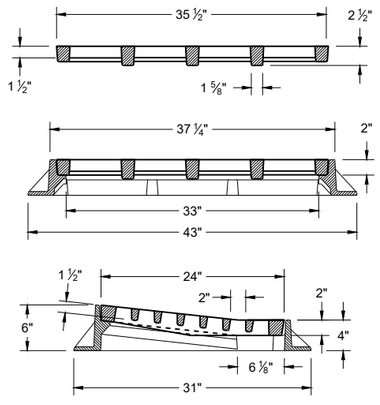
DIAGONAL SLOTS SHALL BE ORIENTEDTO THE DIRECTION OF FLOW AS ILLUSTRATED.
GRATES ARE MANUFACTURED TO BE REVERSIBLE.

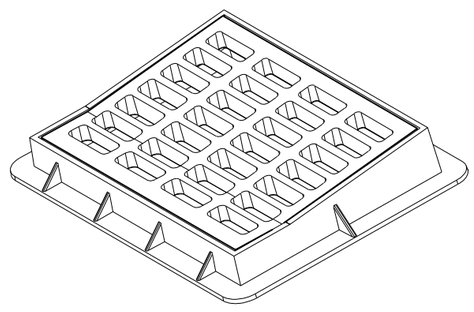


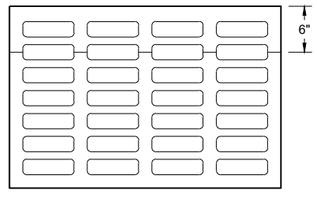
TYPE "WM"

NOTE: CURB BOX HEIGHT ADJUSTABLE 6" - 9"









TYPE "DW"

NOTES: FOR USE IN A SUMP CONDITION. THIS OPTION IS ONLY TO BE USED IF NO OTHER INLETS ARE APPLICABLE.

INLET COVERS
TYPES B, B-A, C,
MS, MS-A ,DW AND WM

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2025
DATE

/S/ Rodney Taylor
ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR

FHWA

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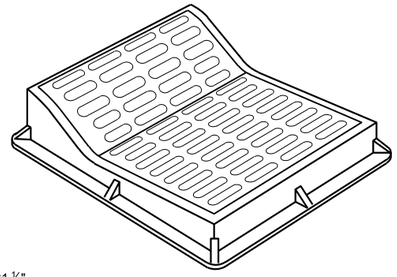
SDD 08A05-22b

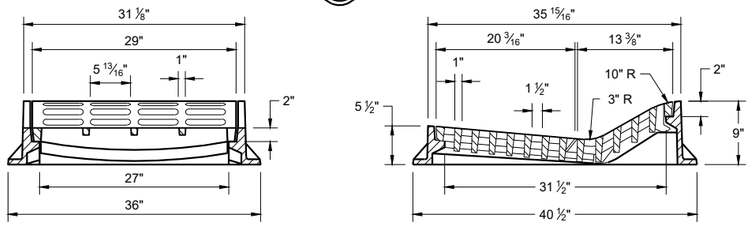
SDD 08A05-22b

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

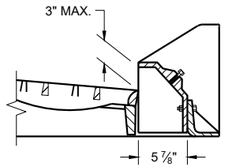
DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR INLET COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.





TYPE "F"

USE WITH TYPES "A" AND "D" CONCRETE CURB AND GUTTER, 36"

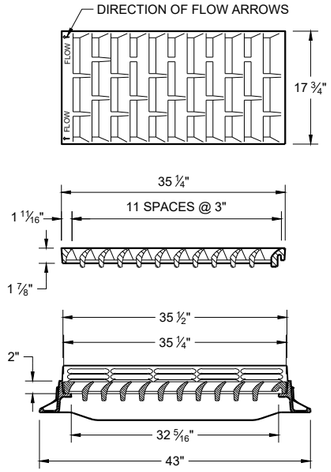


ALTERNATIVE CURB BOX FOR TYPE "HM" COVER

USE WITH TYPES "G" AND "J" CONCRETE CURB AND GUTTER, 30 INCH
NOTED AS TYP "HM-GJ" ON DRAINAGE TABLE

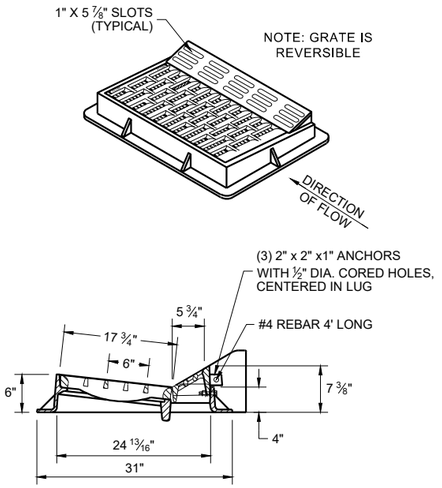
NOTE:
SPECIAL GRATE FOR THE TYPE "H" COVER MAY ALSO BE USED FOR THE TYPE "HM-GJ" COVER.

NOTED AS TYPE HM-GJ-S ON THE DRAINAGE TABLE.



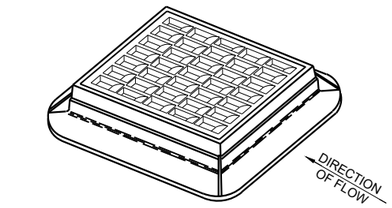
TYPE "HM"

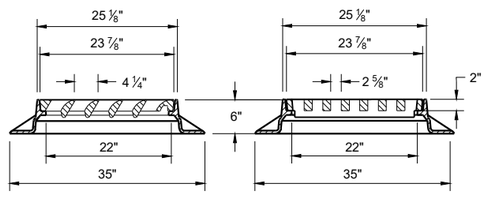
USE WITH TYPES "A" AND "D" CONCRETE CURB AND GUTTER, 36"



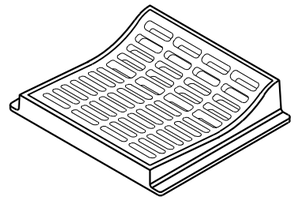
NOTE:
SPECIAL GRATE FOR THE TYPE "H" COVER MAY ALSO BE USED FOR THE TYPE "HM-GJ" COVER.

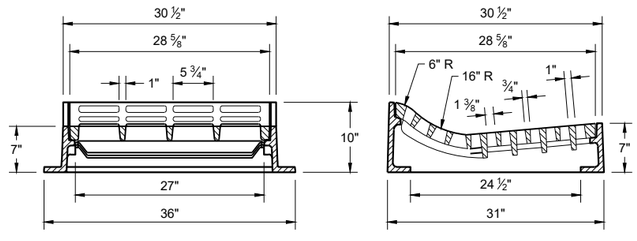
NOTED AS TYPE HM-GJ-S ON THE DRAINAGE TABLE.





TYPE "S"





TYPE "T"

USE WITH TYPES "R" AND "T" CONCRETE CURB AND GUTTER, 36"

INLET COVERS
TYPES F, HM, HM-S, S, T, HM-GJ AND HM-GJ-S

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2025 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR

FHWA

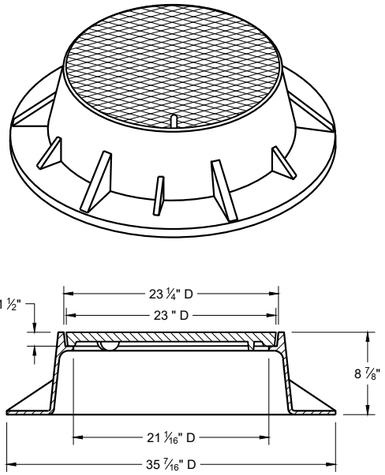
6
SDD 08A05-22c

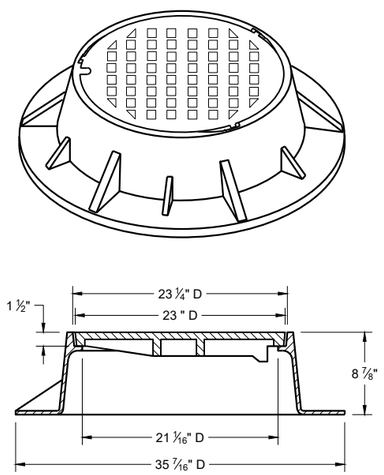
GENERAL NOTES

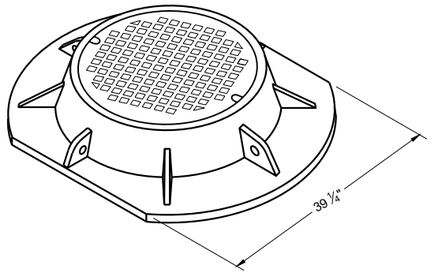
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

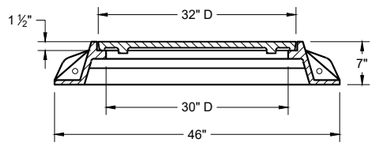
DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR MANHOLE COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ROUND FRAMES AND COVERS SHALL HAVE CONTINUOUSLY MACHINED BEARING SURFACES TO PREVENT ROCKING AND RATTLING.

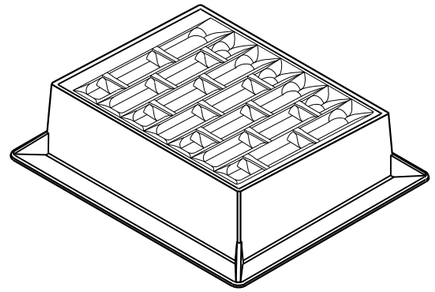


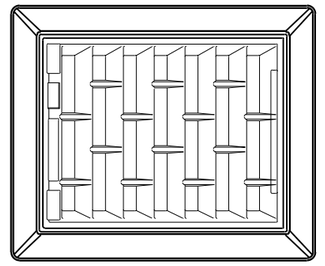


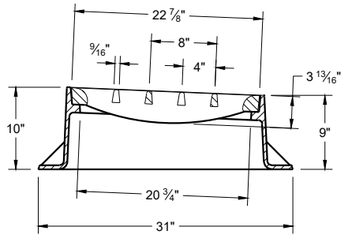


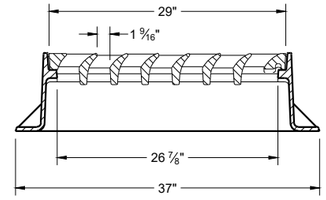


TYPE "K"

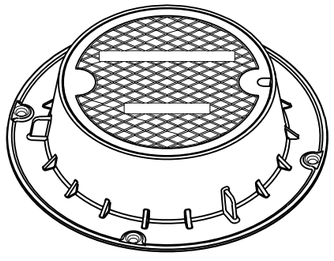


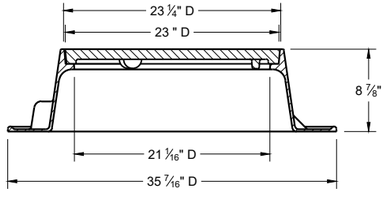






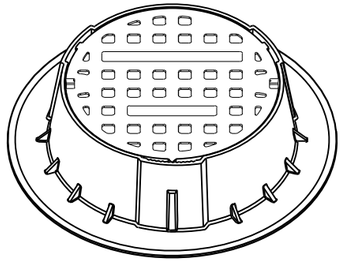
INLET COVER TYPE "BW"

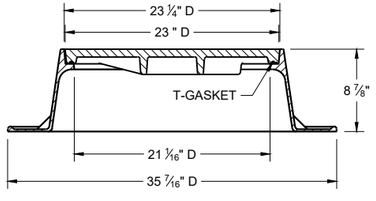




TYPE "J"

NOTE: EITHER CASTING IS ACCEPTABLE

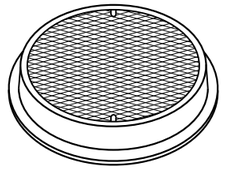


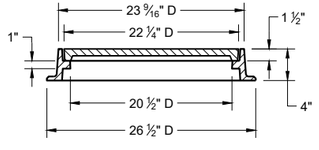


TYPE "J" SPECIAL

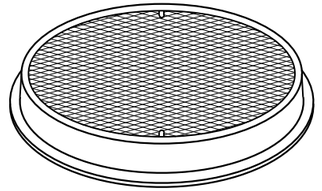
TYPE "B" NON-ROCKING SELF-SEAL LID
(NOTED AS TYPE J-S ON THE DRAINAGE TABLE)

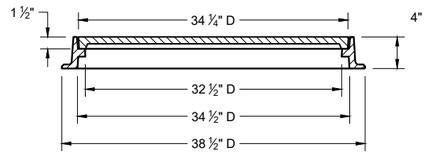
NOTE: EITHER CASTING IS ACCEPTABLE





TYPE "L"





TYPE "M"

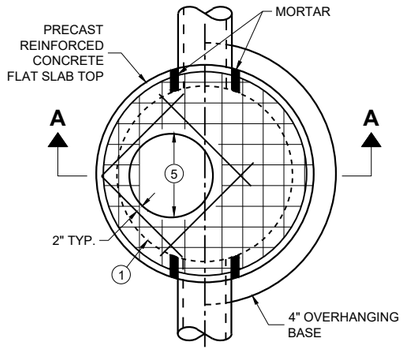
INLET COVERS TYPES BW
MANHOLE COVERS TYPES K, J, J-S, L, AND M

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2025 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR

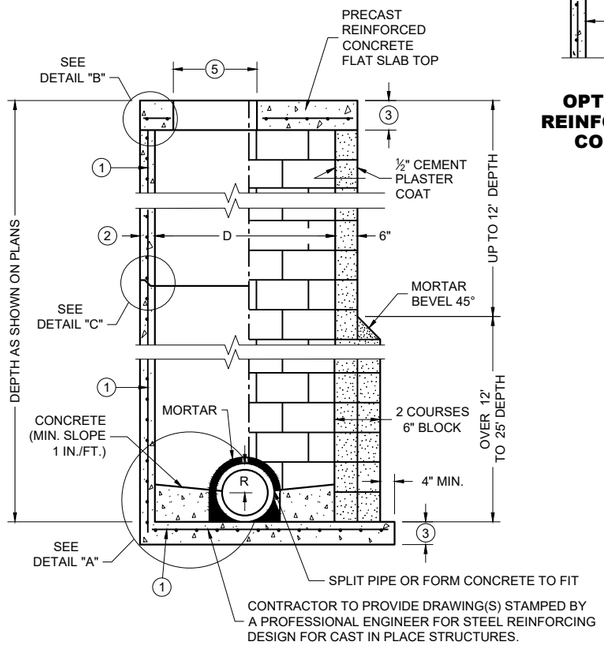
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PLAN VIEW

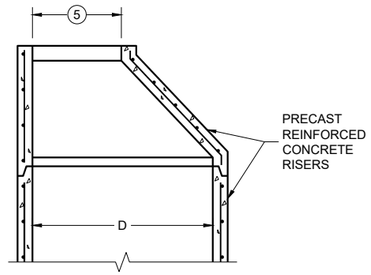
CIRCULAR OPENING



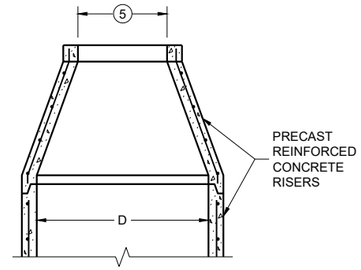
SECTION A - A

PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE

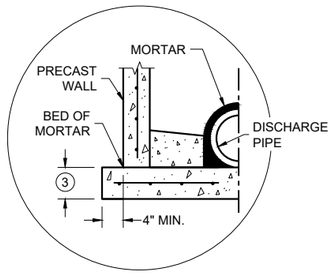
CONCRETE BLOCK WITH CAST IN PLACE OR PRECAST REINFORCED CONCRETE BASE (1)



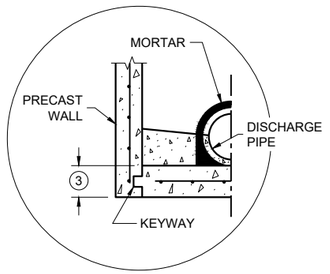
OPTIONAL PRECAST REINFORCED CONCRETE ECCENTRIC TOP



OPTIONAL PRECAST REINFORCED CONCRETE CONCENTRIC TOP

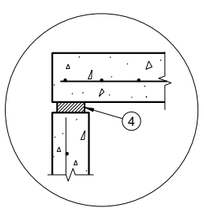


SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

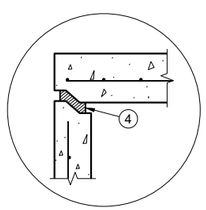


PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE OPTION

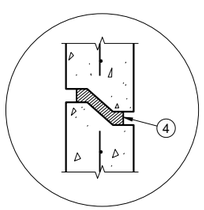
DETAIL "A"



TOP WITH PLAIN END JOINT



TOP WITH TONGUE AND GROOVE JOINT



RISER WITH TONGUE AND GROOVE JOINT

DETAIL "B" **DETAIL "C"**

MANHOLE COVER OPENING MATRIX

OPENING SIZE (FT.) (5) \ MANHOLE COVER TYPE	C	ALL J'S	K	L	M
2 DIA.	X	X		X	
3 DIA.			X		X

PIPE MATRIX

MANHOLE SIZE (DIA.)	MAXIMUM INSIDE PIPE DIAMETER FOR TWO PIPES		MINIMUM WALL THICKNESS (IN)	MINIMUM PRECAST FLAT SLAB TOP AND BASE THICKNESS
	180° SEPARATION (IN)	90° SEPARATION (IN)		
3-FT	15	12	4	6
4-FT	24	18	4	6
5-FT	36	24	5	8
6-FT	42	36	6	8
7-FT	48	36/42 *	7	8
8-FT	60	42	8	8
9-FT	66	54	9	10
10-FT	72	60	10	10

*A 36" PIPE AND A 42" PIPE CAN BE PLACED WITHIN 90 DEGREES. SEE MINIMUM HORIZONTAL PIPE SEPARATION DETAIL.

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

UNLESS OTHERWISE AUTHORIZED IN WRITING BY THE ENGINEER, THE CONTRACTOR SHALL NOT ORDER AND DELIVER PRECAST MANHOLE UNITS REQUIRED FOR THE PROJECT UNTIL A LIST OF SIZES IS FURNISHED BY THE ENGINEER.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR UNDERGROUND DRAINAGE STRUCTURES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ALL DRAINAGE STRUCTURES ARE DESIGNATED ON THE PLANS AS "MANHOLES 3X3-L", "CATCH BASINS 4-B", "INLETS 2X3-H", ETC. THE FIRST NUMBERS DESIGNATE THE SIZE OF THE STRUCTURE, AND THE FOLLOWING LETTER DESIGNATES THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

BASES SHALL BE PLACED ON A BED OF MATERIAL AT LEAST 6 INCHES IN DEPTH, WHICH MEETS THE REQUIREMENTS OF FOUNDATION BACKFILL. THIS BEDDING SHALL BE COMPACTED AND PROVIDE UNIFORM SUPPORT FOR THE ENTIRE AREA OF THE BASE.

PRECAST REINFORCED CONCRETE CONE TOPS (ECCENTRIC OR CONCENTRIC) OR PRECAST REINFORCED CONCRETE FLAT SLAB TOPS MAY BE USED ON CONCRETE BLOCK STRUCTURES.

ECCENTRIC CONE TOPS MAY BE USED ON ALL STRUCTURES. CONCENTRIC CONE TOPS SHALL BE USED ONLY ON STRUCTURES 5 FEET OR LESS IN DEPTH UNLESS OTHERWISE DIRECTED BY THE ENGINEER.

STEPS MEETING AASHTO M199 AND THE FOLLOWING REQUIREMENTS SHALL BE INSTALLED IN ALL STRUCTURES OVER 5 FEET IN DEPTH: 16 INCH C-C MAXIMUM SPACING; PROJECT A MINIMUM CLEAR DISTANCE OF 4 INCHES FROM THE WALL AT THE POINT OF EMBEDMENT; MINIMUM LENGTH OF 10 INCHES; MINIMUM WALL EMBEDMENT OF 3 INCHES. FERROUS METAL STEPS NOT PAINTED OR TREATED TO RESIST CORROSION SHALL HAVE A MINIMUM CROSS SECTIONAL IMENSION OF 1 INCH.

STEPS OF APPROVED POLYPROPYLENE PLASTIC COATED REINFORCEMENT BAR ARE ACCEPTABLE. REINFORCING BAR MUST BE A MINIMUM OF ½ INCH AND MEET THE REQUIREMENTS OF ASTM A615.

CERTIFICATION SHALL BE PROVIDED THAT INSTALLED STEPS WHEN TESTED IN ACCORDANCE WITH SECTION 10 OF AASHTO T280 CAN WITHSTAND A VERTICAL LOAD OF 800 LBS. AND A HORIZONTAL LOAD OF 400 LBS.

ALL BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2 INCHES CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

ALL PRECAST MANHOLE UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF AASHTO DESIGNATION M199.

PRECAST REINFORCED RISERS SHALL HAVE A TONGUE AND GROOVE JOINT WITH TONGUE UP OR DOWN.

CONCRETE BLOCK WILL NOT BE PERMITTED FOR STRUCTURES GREATER THAN 4 FEET IN DIAMETER.

4" OVERHANGING BASES ARE REQUIRED FOR ALL CONCRETE BLOCK INSTALLATIONS. 4" OVERHANG IS REQUIRED WHEN SEPARATE PRECAST BASE IS PROVIDED. OVERHANG IS NOT REQUIRED ON PRECAST STRUCTURES WITH AN INTEGRAL OR MONOLITHIC BASE.

FOR ADDITIONAL CONFIGURATIONS, MAINTAIN A MINIMUM OF 12 INCHES AS MEASURED FROM THE INSIDE OF THE STRUCTURE WALL BETWEEN THE OUTSIDE PIPE WALLS OF ADJACENT PIPES. SEE DETAIL "D".

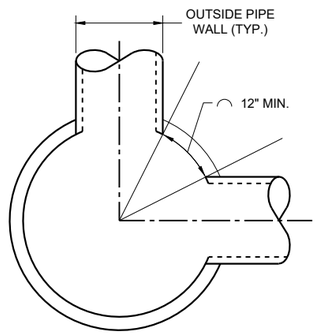
(1) FOR PRECAST MANHOLES AND REINFORCED CONCRETE BASES PROVIDE REINFORCING STEEL IN ACCORDANCE TO AASHTO M199.

(2) SEE PIPE MATRIX TABLE FOR MINIMUM WALL THICKNESS FOR PRECAST MANHOLES

(3) SEE PIPE MATRIX TABLE FOR MINIMUM THICKNESS OF PRECAST FLAT SLAB TOPS AND BASES.

(4) JOINTS TO BE SEALED WITH A BUTYL RUBBER SEAL PER SEALANT MANUFACTURERS RECOMMENDATIONS CONFORMING TO ASTM C 990 OR RUBBER GASKETS CONFORMING TO ASTM C443.

(5) SEE MANHOLE COVER OPENING MATRIX.



MINIMUM HORIZONTAL PIPE SEPARATION

DETAIL "D"

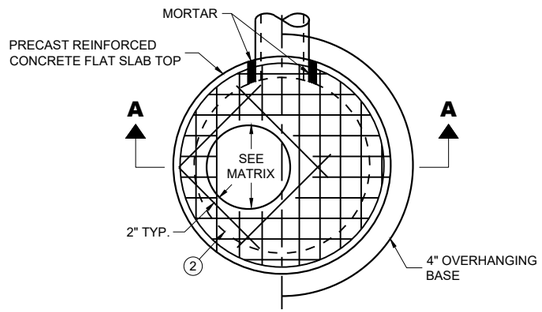
MANHOLES, 3-FT, 4-FT 5-FT, 6-FT, 7-FT, 8-FT, 9-FT AND 10-FT DIAMETER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

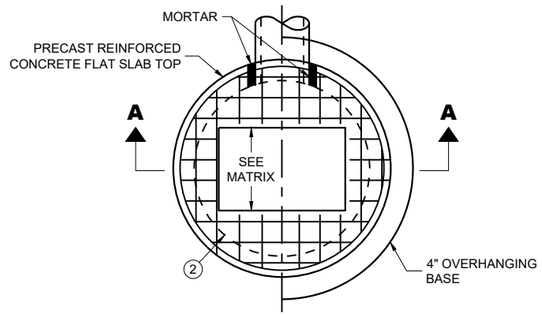
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December 2023 — /S/ Rodney Taylor
DATE — ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR

FHWA

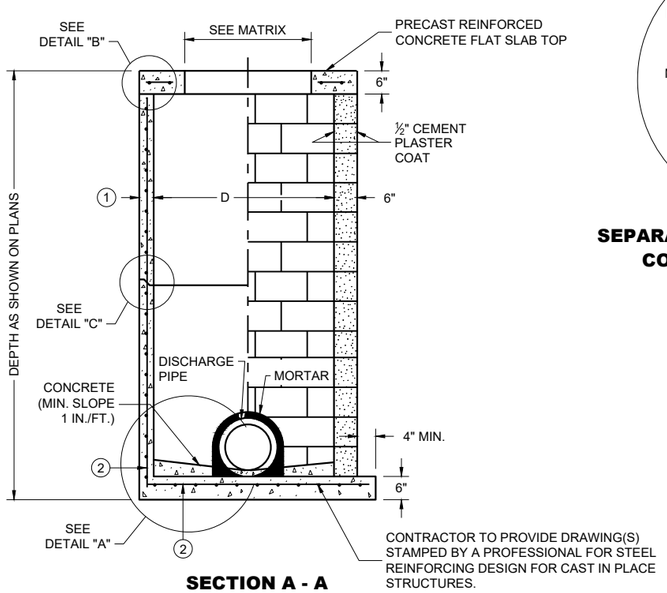
MANHOLES 3-FT, 4-FT, 5-FT, 6-FT, 7-FT, 8-FT, 9-FT AND 10-FT DIAMETER



PLAN VIEW CIRCULAR OPENING



PLAN VIEW RECTANGULAR OPENING



SECTION A - A

PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE

CONCRETE BLOCK WITH CAST IN PLACE OR PRECAST REINFORCED CONCRETE BASE (2)

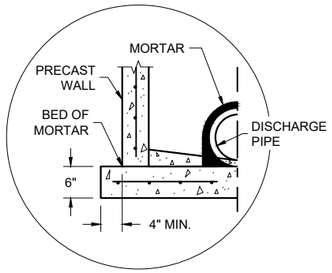
CIRCULAR INLETS WITH FLAT TOP

CATCH BASIN COVER OPENING MATRIX

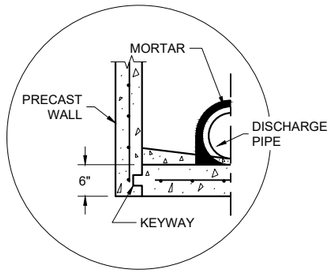
INLET SIZE	INLET COVER TYPE / OPENING SIZE (FT.)	ALL A'S	ALL B'S	BW	C	F	ALL H'S	S	T	V V-B	WM	Z
3-FT	2 DIA.				X							X
	2 X 2	X	X					X		X		
4-FT	2 DIA.				X							X
	2 X 2	X	X					X		X		
	2 X 2.5			X				X	X	X	X	
	2 X 3						X					
	2.5 X 3					X						

PIPE MATRIX

INLET SIZE	MAXIMUM INSIDE PIPE DIAMETER FOR TWO PIPES	
	180° SEPARATION (IN)	90° SEPARATION (IN)
3-FT	15	12
4-FT	24	18

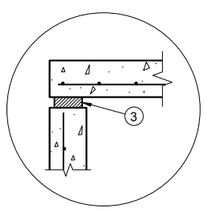


SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

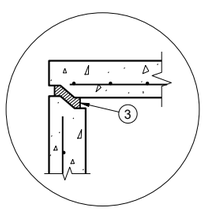


PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE OPTION

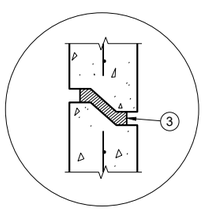
DETAIL "A"



TOP WITH PLAIN END JOINT



TOP WITH TONGUE AND GROOVE JOINT



RISER WITH TONGUE AND GROOVE JOINT

DETAIL "B"

DETAIL "C"

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

UNLESS OTHERWISE AUTHORIZED IN WRITING BY THE ENGINEER, THE CONTRACTOR SHALL NOT ORDER AND DELIVER PRECAST INLET UNITS REQUIRED FOR THE PROJECT UNTIL A LIST OF SIZES IS FURNISHED BY THE ENGINEER.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR UNDERGROUND DRAINAGE STRUCTURES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ALL DRAINAGE STRUCTURES ARE DESIGNATED ON THE PLANS AS "MANHOLES 3X3-L", "CATCH BASINS 4-B", "INLETS 2X3-H", ETC. THE FIRST NUMBERS DESIGNATE THE SIZE OF THE STRUCTURE, AND THE FOLLOWING LETTER DESIGNATES THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

BASES SHALL BE PLACED ON A BED OF MATERIAL AT LEAST 6 INCHES IN DEPTH, WHICH MEETS THE REQUIREMENTS OF FOUNDATION BACKFILL. THIS BEDDING SHALL BE COMPACTED AND PROVIDE UNIFORM SUPPORT FOR THE ENTIRE AREA OF THE BASE.

ALL BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2 INCHES CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

ALL PRECAST INLET UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF AASHTO DESIGNATION M199.

PRECAST REINFORCED RISERS SHALL HAVE A TONGUE AND GROOVE JOINT WITH TONGUE UP OR DOWN.

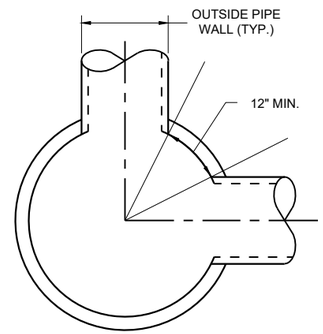
4" OVERHANGING BASES ARE REQUIRED FOR ALL CONCRETE BLOCK INSTALLATIONS. 4" OVERHANG IS REQUIRED WHEN SEPARATE PRECAST BASE IS PROVIDED. OVERHANG IS NOT REQUIRED ON PRECAST STRUCTURES WITH AN INTEGRAL OR MONOLITHIC BASE.

FOR ADDITIONAL CONFIGURATIONS, MAINTAIN A MINIMUM OF 12 INCHES AS MEASURED FROM THE INSIDE OF THE STRUCTURE WALL BETWEEN THE OUTSIDE PIPE WALLS OF ADJACENT PIPES. SEE DETAIL "D".

(1) MINIMUM WALL THICKNESS SHALL BE 4 INCHES FOR 3-FT DIAMETER AND 5 INCHES FOR 4-FT DIAMTER PRECAST INLETS.

(2) FOR PRECAST INLETS AND REINFORCED CONCRETE BASES PROVIDE REINFORCING STEEL IN ACCORDANCE TO AASHTO M199.

(3) JOINTS TO BE SEALED WITH A BUTYL RUBBER SEAL PER SEALANT MANUFACTURERS RECOMMENDATIONS CONFORMING TO ASTM C 990 OR RUBBER GASKETS CONFORMING TO ASTM C443.



MINIMUM HORIZONTAL PIPE SEPARATION

DETAIL "D"

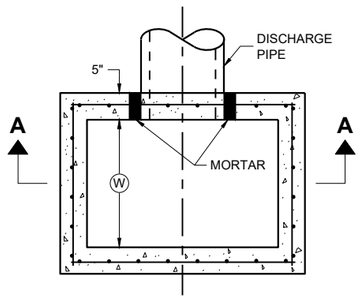
INLETS 3-FT AND 4-FT DIAMETER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

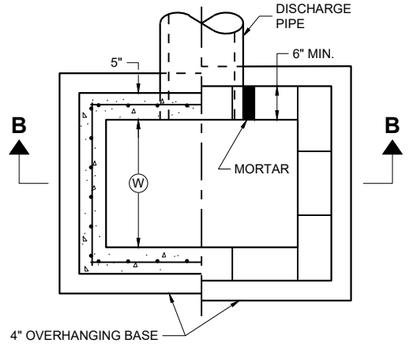
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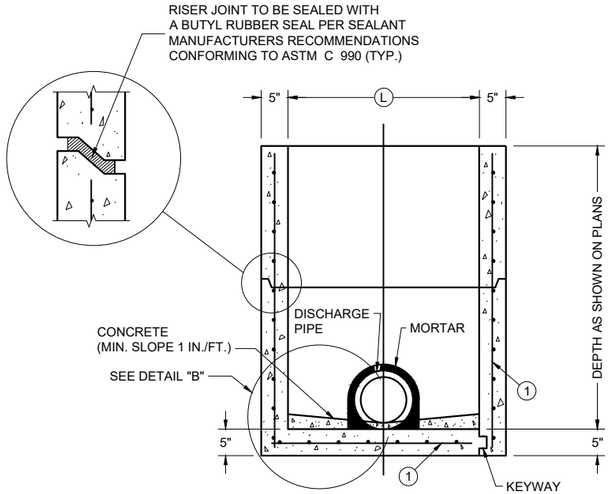
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SDD 08C06-03



PLAN VIEW



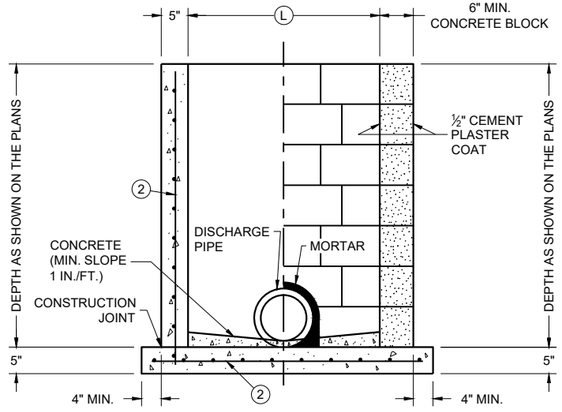
PLAN VIEW



PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE

PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE

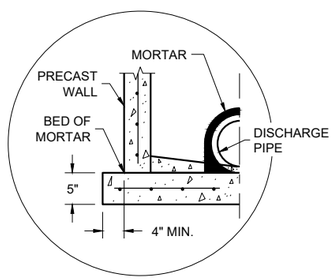
SECTION A - A



CAST IN PLACE REINFORCED CONCRETE

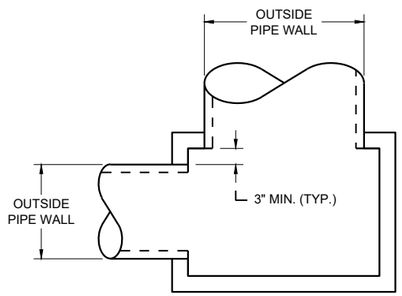
CONCRETE BLOCK WITH CAST IN PLACE OR PRECAST REINFORCED CONCRETE BASE (1)

SECTION B - B



SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

DETAIL "B"



DETAIL "A"

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP N0T SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

UNLESS OTHERWISE AUTHORIZED IN WRITING BY THE ENGINEER, THE CONTRACTOR SHALL NOT ORDER AND DELIVER PRECAST INLET UNITS REQUIRED FOR THE PROJECT UNTIL A LIST OF SIZES IS FURNISHED BY THE ENGINEER.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR UNDERGROUND DRAINAGE STRUCTURES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ALL PRECAST INLET UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF ASTM C 913.

ALL DRAINAGE STRUCTURES ARE DESIGNATED ON THE PLANS AS "MANHOLES 3X3-L", "CATCH BASINS 4-B", "INLETS 2X3-H", ETC. THE FIRST NUMBERS DESIGNATES THE SIZE OF THE STRUCTURE, AND THE FOLLOWING LETTER DESIGNATES THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

BASES SHALL BE PLACED ON A BED OF MATERIAL AT LEAST 6 INCHES IN DEPTH, WHICH MEETS THE REQUIREMENTS OF FOUNDATION BACKFILL. THIS BEDDING SHALL BE COMPACTED AND PROVIDE UNIFORM SUPPORT FOR THE ENTIRE AREA OF THE BASE.

ALL BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2 INCHES CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

PRECAST REINFORCED RISERS SHALL HAVE A TONGUE AND GROOVE JOINT WITH TONGUE UP OR DOWN.

4" OVERHANGING BASES ARE REQUIRED FOR CAST-IN-PLACE REINFORCED CONCRETE AND CONCRETE BLOCK INSTALLATIONS. 4" OVERHANG IS REQUIRED WHEN SEPARATE PRECAST BASE IS PROVIDED. OVERHANG IS NOT REQUIRED ON PRECAST STRUCTURES WITH AN INTEGRAL OR MONOLITHIC BASE.

MAXIMUM INSIDE PIPE DIAMETER DETERMINED BY 3" CLEARANCE ON EACH SIDE OF THE OUTSIDE WALL OF THE PIPE. SEE DETAIL "A". ASSUMES PIPE ENTERS PERPENDICULAR TO THE STRUCTURE.

(1) FOR PRECAST INLETS AND REINFORCED CONCRETE BASES PROVIDE REINFORCING STEEL IN ACCORDANCE TO ASTM C 913
(2) CONTRACTOR TO PROVIDE DRAWING(S) STAMPED BY A PROFESSIONAL ENGINEER FOR STEEL REINFORCING DESIGN FOR CAST-IN-PLACE STRUCTURES.

CATCH BASIN COVER MATRIX

INLET SIZE	WIDTH (W) (FT.)	LENGTH (L) (FT.)	INLET COVER TYPE									
			ALL A'S	ALL B'S	BW	F	ALL H'S	S	T	V	WM	V V-B
2 X 2-FT	2	2	X	X				X				
2 X 2.5-FT	2	2.5			X			X	X	X	X	
2 X 3-FT	2	3					X					
2.5 X 3-FT	2.5	3				X						
2 X 3.5-FT	2	3.5										X

PIPE MATRIX

CATCH BASIN SIZE	MAXIMUM INSIDE PIPE DIAMETER FOR TWO PIPES	
	WIDTH (IN)	LENGTH (IN)
2 X 2-FT	12	12
2 X 2.5-FT	12	18
2 X 3-FT	12	24
2.5 X 3-FT	18	24
2 X 3.5-FT	12	30

INLETS 2 X 2-FT, 2 X 2.5-FT, 2 X 3-FT, 2.5 X 3-FT AND 2X3.5-FT

INLETS 2 X 2-FT, 2 X 2.5-FT, 2 X 3-FT, 2.5 X 3-FT AND 2 X 3.5-FT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
December 2023
DATE

/S/ Rodney Taylor
ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR

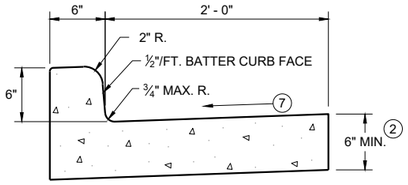
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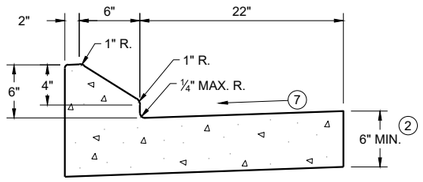
SDD 08C07-03

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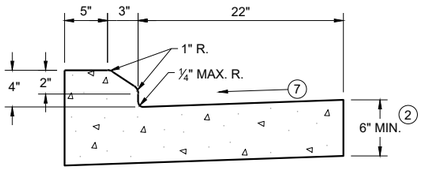
SDD 08C07-03



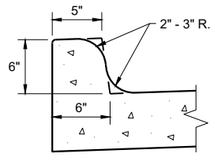
TYPES A (1) & D



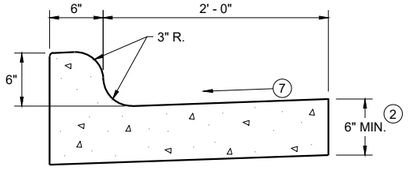
6" SLOPED CURB TYPES G (1) & J



4" SLOPED CURB TYPES G (1) & J

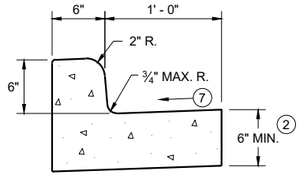


TYPES K (1) & L
(OPTIONAL CURB SHAPE)



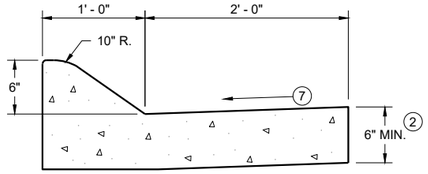
TYPES K (1) & L

CONCRETE CURB AND GUTTER 30"

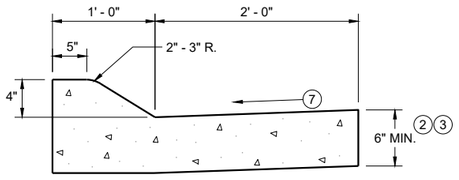


TYPES A (1) & D

CONCRETE CURB AND GUTTER 18"

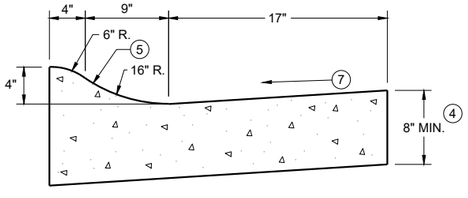


6" SLOPED CURB TYPES A (1) & D



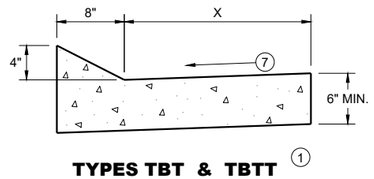
4" SLOPED CURB TYPES A (1) & D

CONCRETE CURB AND GUTTER 36"



4" SLOPED CURB TYPES R (1) & T
CONCRETE CURB AND GUTTER 30"

TBT & TBTT	X
30"	22"
36"	28"

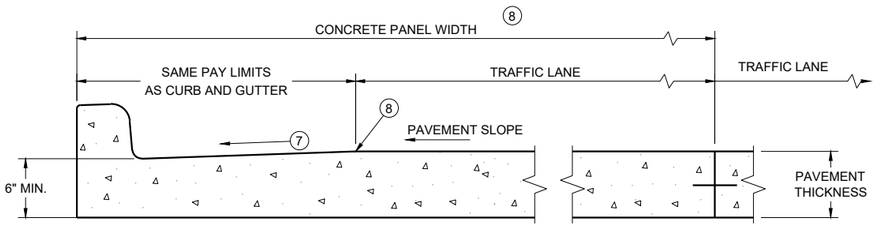


TYPES TBT & TBTT (1)

CONCRETE CURB AND GUTTER

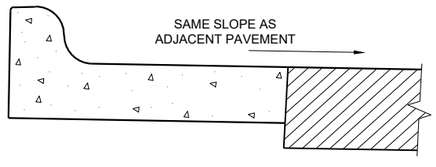
PAVEMENT THICKNESS AND MAXIMUM CONCRETE PANEL WIDTH TABLE

PAVEMENT THICKNESS	MAXIMUM PANEL WIDTH
LESS THAN 10"	12'
10" & ABOVE	15'



PARTIAL SECTION OF PAVEMENT WITH INTEGRAL CURB AND GUTTER *

* BIKE LANE IS NOT SHOWN



REVERSE SLOPE GUTTER (6)
(TYPICAL FOR ALL CURB & GUTTER TYPES)

GENERAL NOTES

DETAILS OF CONSTRUCTION AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

PAVEMENT TIES AND TIE BARS SHALL BE EPOXY COATED IN CONFORMANCE WITH SUBSECTION 505.2.6.2 OF THE STANDARD SPECIFICATIONS.

INTEGRAL CURB AND GUTTER SHALL CONFORM TO THE DETAILS SHOWN FOR CONCRETE CURB AND GUTTER INCLUDING THE TRANSVERSE GUTTER SLOPE.

UNLESS OTHERWISE SHOWN ON THE TYPICAL CROSS SECTIONS, THE BASE AGGREGATE AND COMMON EXCAVATION LIMITS ARE 2' - 0" BEHIND THE BACK OF CURBS.

(1) TIE BARS ARE REQUIRED FOR CURB AND GUTTERS TYPES A, G, K, R, AND TBTT.

(2) THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE AGGREGATE PROVIDED A 6" MINIMUM GUTTER THICKNESS IS MAINTAINED.

(3) USE 8" MINIMUM GUTTER THICKNESS WHEN USED WITH AN ADJACENT CONCRETE TRUCK APRON PLACED BEHIND BACK OF CURB.

(4) THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE AGGREGATE PROVIDED A 8" MINIMUM GUTTER THICKNESS IS MAINTAINED.

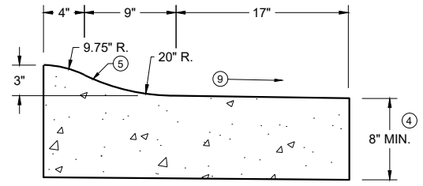
(5) UNLESS OTHERWISE NOTED, FOR STAKING PURPOSES THE FACE OF CURB IS 6" FROM THE BACK OF CURB.

(6) WHEN REVERSE SLOPE GUTTER IS REQUIRED, THE LOCATION(S) WILL BE SHOWN ELSEWHERE IN THE PLAN.

(7) USE 4% GUTTER CROSS SLOPE UNLESS OTHERWISE NOTED IN THE PLANS.

(8) INCLUDE LONGITUDINAL JOINT AND TIE BARS ALONG LANE EDGE WHEN CONCRETE PANEL WIDTH EXCEEDS THE MAXIMUM WIDTH PER TABLE BELOW. LONGITUDINAL JOINT(S) ARE NOT ALLOWED WITHIN TRAFFIC LANES AND BIKE LANES. LONGITUDINAL JOINT MAY BE SAWED.

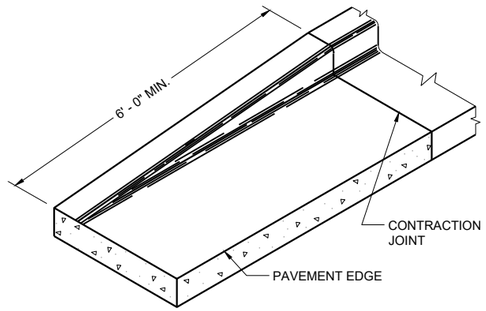
(9) SLOPE TO BE REVERSE SLOPE MATCHING THE SLOPE OF THE PAVEMENT AND THE CIRCULATORY ROADWAY



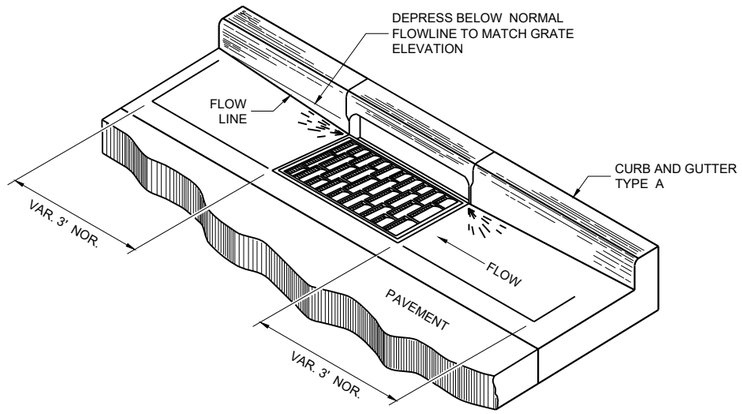
3" SLOPED CURB TYPES R (1) & T

CONCRETE CURB AND GUTTER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



END SECTION CURB AND GUTTER



DETAIL OF CURB AND GUTTER AT INLETS

(TYPICAL H INLET COVER SHOWN)

GENERAL NOTES

DETAILS OF CONSTRUCTION AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

PAVEMENT TIES AND TIE BARS SHALL BE EPOXY COATED IN CONFORMANCE WITH SUBSECTION 505.2.6.2 OF THE STANDARD SPECIFICATIONS.

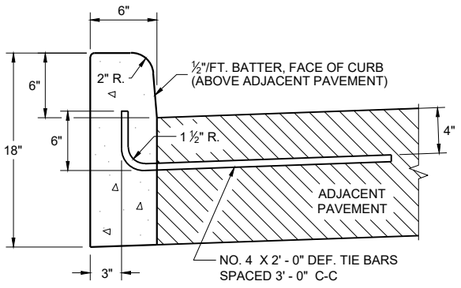
UNLESS OTHERWISE SHOWN ON THE TYPICAL CROSS SECTIONS, THE BASE AGGREGATE AND COMMON EXCAVATION LIMITS ARE 2' - 0" BEHIND THE BACK OF CURBS.

(1) TIE BARS ARE REQUIRED FOR CURB AND GUTTERS TYPES A, G, K, R, AND TBTT.

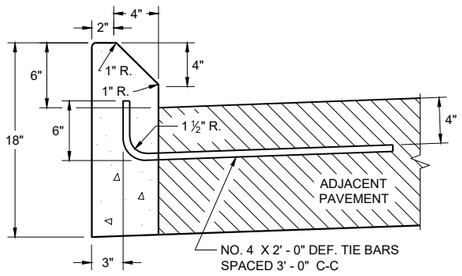
(2) THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE AGGREGATE PROVIDED A 6" MINIMUM GUTTER THICKNESS IS MAINTAINED.

(10) REFER TO SDD 08D18 AND 08D19 FOR ADDITIONAL DRIVEWAY ENTRANCE CURB DETAILS.

(11) PLACE 1" THICK EXPANSION JOINT MATERIAL BETWEEN VERTICAL FACE CURB TYPES EXTENDING FROM THE TOP OF CURB TO 1 INCH BELOW THE ADJOINING CONCRETE SURFACE. RIGID CONCRETE STRUCTURES INCLUDE RAISED CONCRETE MEDIANS, CONCRETE SAFETY ISLANDS, SPLITTER ISLANDS, OR LOCATIONS IDENTIFIED ON THE PLANS.

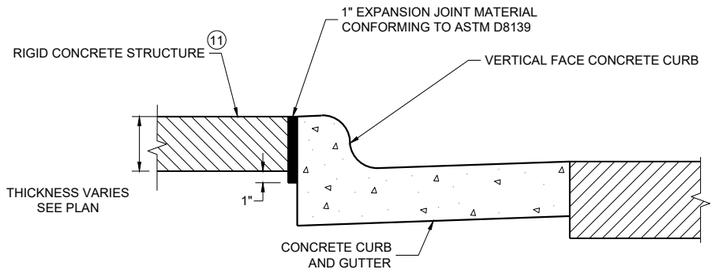


TYPES A (1) & D

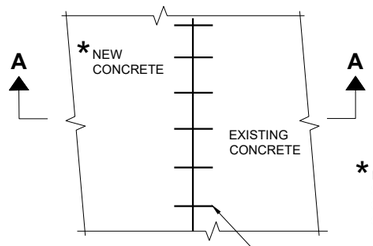


TYPES G (1) & J

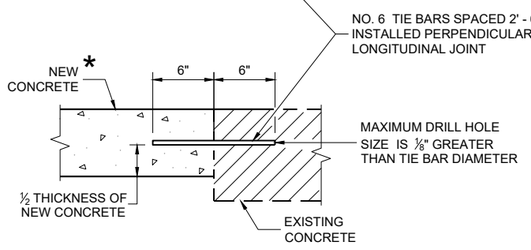
CONCRETE CURB



EXPANSION JOINT DETAIL FOR VERTICAL CURB ABUTTING A RIGID STRUCTURE (11)

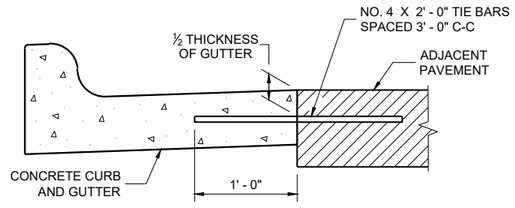


PLAN VIEW

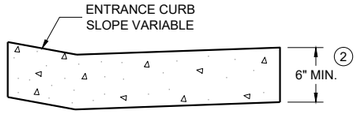


SECTION A - A

TIE BARS DRILLED INTO EXISTING PAVEMENT



TYPICAL TIE BAR LOCATION (1)



DRIVEWAY ENTRANCE CURB (10)

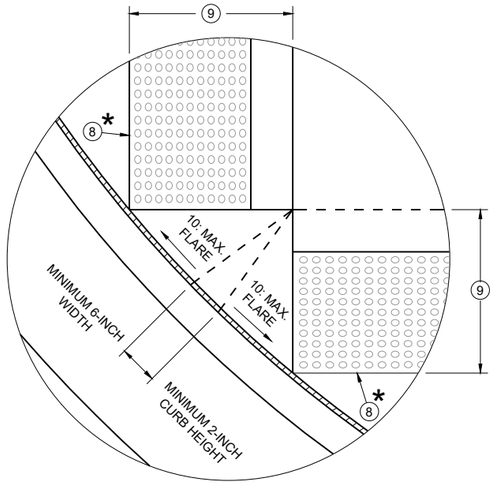
(WHEN DIRECTED BY THE ENGINEER)

CONCRETE CURB, TIES AND CURB AND GUTTER APPLICATIONS

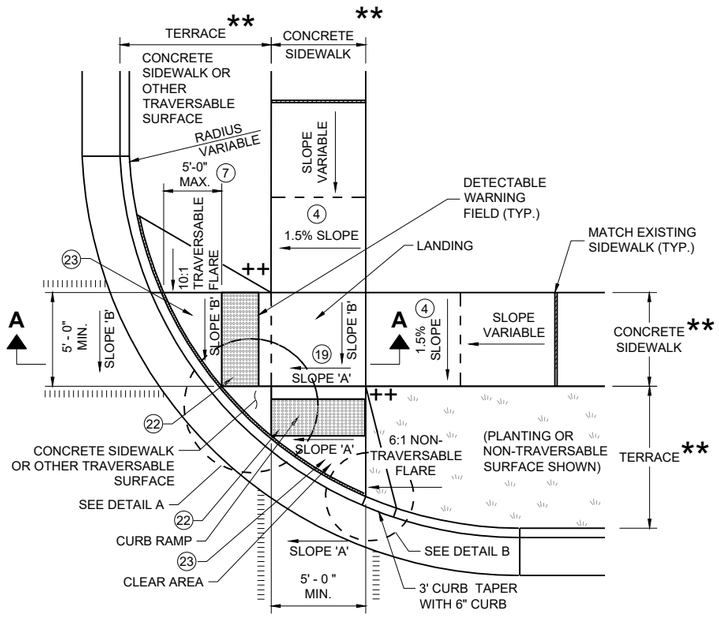
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2025 — DATE
/S/ Rodnery Taylor — ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR

FHWA



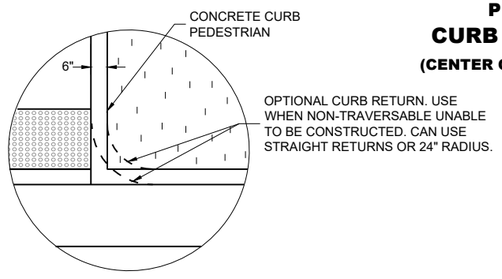
DETAIL A



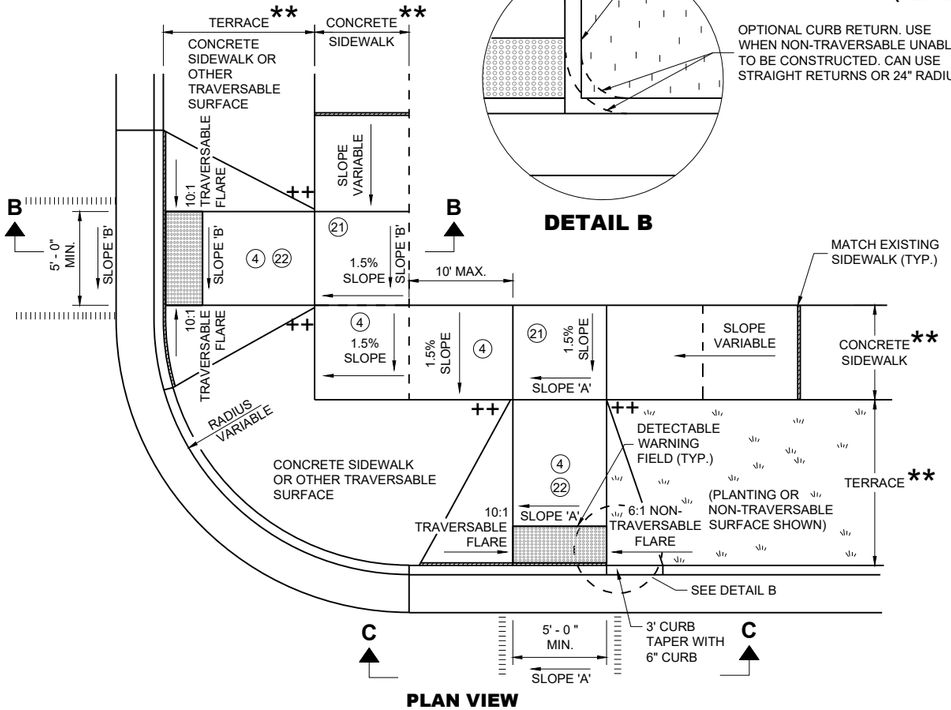
PLAN VIEW

CURB RAMP TYPE 2

(CENTER OF CORNER RADIUS)



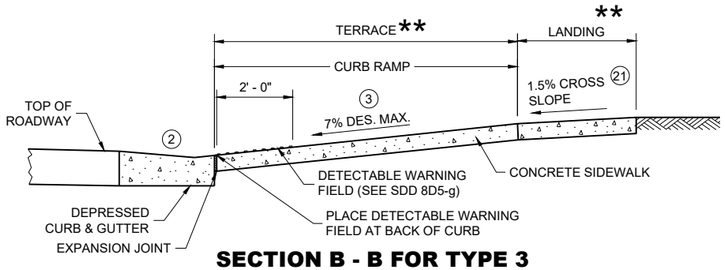
DETAIL B



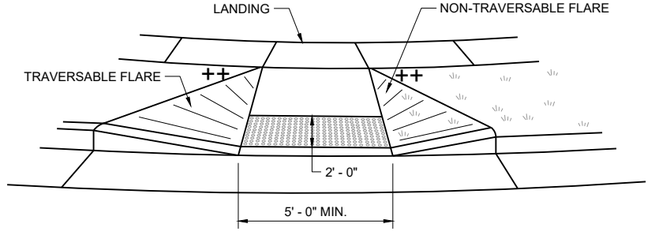
PLAN VIEW

CURB RAMP TYPE 3

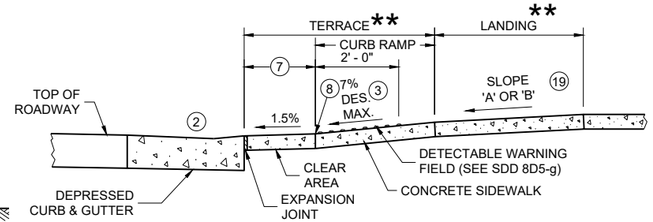
(OUTSIDE OF CROSSWALK AREA)



SECTION B - B FOR TYPE 3



VIEW C - C FOR TYPE 3



SECTION A - A FOR TYPE 2

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF CURB RAMP ACCESS AREAS.

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE SHALL BE FROM THE SAME MANUFACTURER.

(2) GRADE CHANGE BETWEEN GUTTER COUNTER SLOPE AND THE CURB RAMP SLOPE IS DESIRABLY 11% OR LESS AND SHALL NOT EXCEED 13.3%. TYPICAL GUTTER COUNTER SLOPE IS 4% BUT MAY BE MODIFIED TO FIT FIELD CONDITIONS. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5%, DESIRABLY 7% OR LESS, AND SHALL NOT EXCEED A MAXIMUM OF 8.3%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) MAXIMUM 8.3% CURB RAMP SLOPE IS ALLOWABLE WITH GUTTER COUNTER SLOPE OF 5% MAXIMUM AND A 13.3% MAXIMUM GRADE CHANGE.

(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2.1% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(7) WHEN GRADE BREAK DISTANCE EXCEEDS 5 FEET, USE RADIAL DETECTABLE WARNING FIELD PER SDD 8D5-f.

(8) PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.

(9) WHEN DISTANCE IS LESS THAN 6' - 0", IT MAY BE DIFFICULT TO ACHIEVE A 7% DESIGN MAXIMUM SLOPE OR FLATTER ALONG THE RAMP. REDUCE CURB HEIGHT IN TRIANGLE AREA TO ACHIEVE 7% DESIGN MAXIMUM SLOPE OR FLATTER ON RAMP. CONSTRUCT 2-INCH MINIMUM CURB HEIGHT BETWEEN 10:1 FLARES.

(17) A MAXIMUM 2-INCH CONCRETE BORDER IS PERMITTED ALONG ALL SIDES OF THE DETECTABLE WARNING FIELD SURFACE.

(19) WHERE A LANDING SERVES TWO CURB RAMPS, THE LANDING SLOPE SHALL NOT EXCEED THE CROSS SLOPE AT THE BOTTOM OF THE RAMP OR WITHIN THE CROSSWALK PARALLEL TO THE DIRECTION OF TRAVEL.

(21) PROVIDE A LANDING WITH A SLOPE PARALLEL TO ROADWAY THAT MATCHES SLOPE AT THE BOTTOM OF THE ADJACENT RAMP. SLOPE PERPENDICULAR TO ROADWAY SHALL BE 2.1% MAXIMUM. STANDARD LANDING SIZE IS 5 FEET BY 5 FEET.

(22) THE ENTIRE RAMP SHALL BE A PLANAR SURFACE. DO NOT WARP THE RUNNING SLOPE OR CROSS SLOPE OF THE RAMP. WARPING OF THE SIDEWALK CROSS SLOPE SHALL TAKE PLACE BETWEEN THE LANDING AND MATCH POINT.

(23) THE CLEAR AREA BETWEEN THE BOTTOM OF RAMP AND BACK OF CURB SHALL BE SLOPED SO THAT WATER DRAINS OUT OF ONE SIDE OR BOTH SIDES OF THE CURB OPENING.

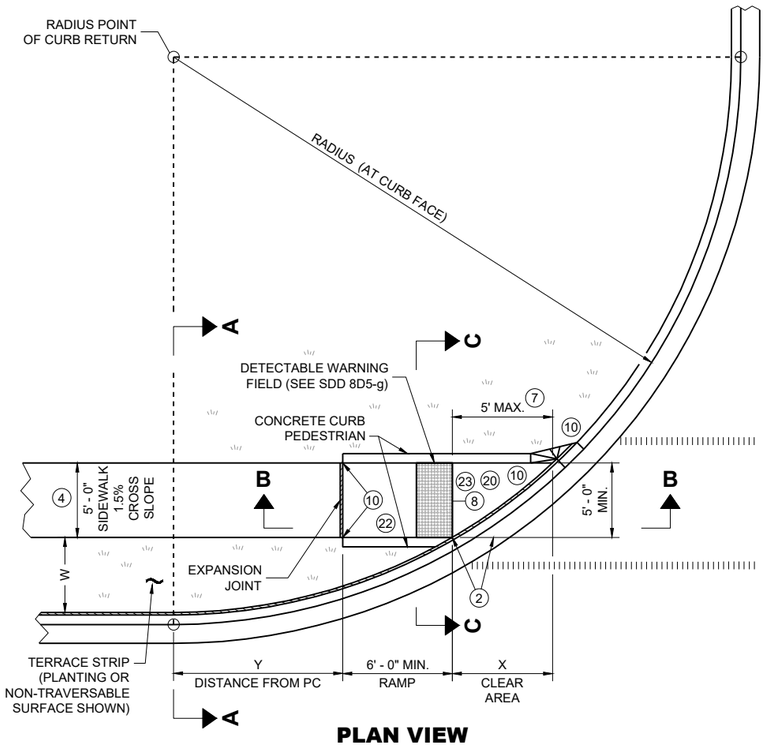
LEGEND

═══	½" EXPANSION JOINT SIDEWALK
– – – –	CONTRACTION JOINT SIDEWALK
ıllıllıllıllıl	PAVEMENT MARKING CROSSWALK (WHITE)
*	MAXIMUM 2.1% SLOPE IN ALL DIRECTIONS IN FRONT OF GRADE BREAK
**	WIDTH SHOWN ELSEWHERE IN THE PLANS
++	CONSTRUCT 6" WEDGE TO AVOID CONCRETE BREAKAGE

CURB RAMPS TYPE 2 AND 3

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

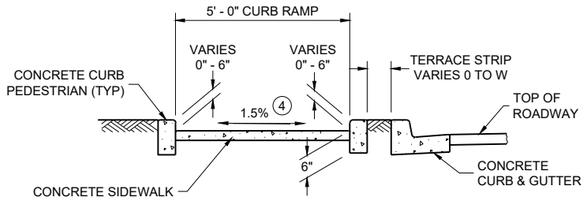
6
SDD 08D05-22b



PLAN VIEW
CURB RAMP TYPE 4B

RADIUS (AT CURB FACE)	W = 3' - 0"		W = 4' - 0"		W = 5' - 0"		W = 6' - 0"		W = 7' - 0"		W = 8' - 0"		W = 9' - 0"		W = 10' - 0"	
	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y
10 FEET	2' - 10 ¼"	0' - 5"	2' - 1"	1' - 4 ½"	1' - 5"	2' - 1"	0' - 10"	2' - 7 ½"	0' - 3 ¼"	3' - 0 ¼"						
15 FEET	4' - 6 ¾"	2' - 1 ¾"	3' - 9"	3' - 5 ¾"	3' - 1 ¼"	4' - 6"	2' - 6 ¾"	5' - 4 ½"	2' - 1"	6' - 1"	1' - 8"	6' - 8 ½"	1' - 3 ¼"	7' - 2 ½"	0' - 10 ¾"	7' - 7 ¼"
20 FEET			4' - 11 ½"	5' - 1 ¾"	4' - 3 ¼"	6' - 5 ½"	3' - 8 ¾"	7' - 7"	3' - 3"	8' - 6 ½"	2' - 10"	9' - 4 ½"	2' - 5 ½"	10' - 1 ¼"	2' - 1 ¼"	10' - 9"
30 FEET									4' - 10 ¾"	12' - 5 ¾"	4' - 5 ½"	13' - 7 ¾"	4' - 0 ¾"	14' - 8 ½"	3' - 8 ½"	15' - 8 ¼"
40 FEET															4' - 10 ¾"	19' - 8 ¼"

INTERMEDIATE RADII CAN BE INTERPOLATED
DIMENSION "Y" IS CALCULATED BASED ON 6'-0" RAMP LENGTH
DIMENSION "X" IS CALCULATED BASED ON 5'-0" SIDEWALK WIDTH



SECTION C - C FOR TYPE 4B

LEGEND

- ½" EXPANSION JOINT SIDEWALK
- CONTRACTION JOINT SIDEWALK
- PAVEMENT MARKING CROSSWALK (WHITE)
- * MAXIMUM 2.1% SLOPE IN ALL DIRECTIONS IF FRONT OF GRADE BREAK
- ++ CONSTRUCT 6" WEDGE TO AVOID CONCRETE BREAKAGE

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF CURB RAMP ACCESS AREAS.

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

(2) GRADE CHANGE BETWEEN GUTTER COUNTER SLOPE AND THE CURB RAMP SLOPE IS DESIRABLY 11% OR LESS AND SHALL NOT EXCEED 13.3%. TYPICAL GUTTER COUNTER SLOPE IS 4% BUT MAY BE MODIFIED TO FIT FIELD CONDITIONS. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5%, DESIRABLY 7% OR LESS, AND SHALL NOT EXCEED A MAXIMUM OF 8.3%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) MAXIMUM 8.3% CURB RAMP SLOPE IS ALLOWABLE WITH GUTTER COUNTER SLOPE OF 5% MAXIMUM AND A 13.3% MAXIMUM GRADE CHANGE.

(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2.1% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(7) WHEN THIS GRADE BREAK DISTANCE EXCEEDS 5 FEET, USE RADIAL DETECTABLE WARNING FIELD PER SDD 8D5-f.

(8) PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.

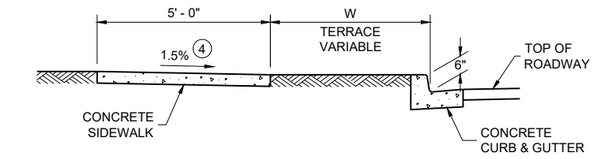
(10) INSTALL TRANSITION NOSE (INCIDENTAL TO OTHER PAY ITEMS). DO NOT MARK TRANSITION NOSE.

(17) A MAXIMUM 2-INCH CONCRETE BORDER IS PERMITTED ALONG ALL SIDES OF THE DETECTABLE WARNING FIELD SURFACE.

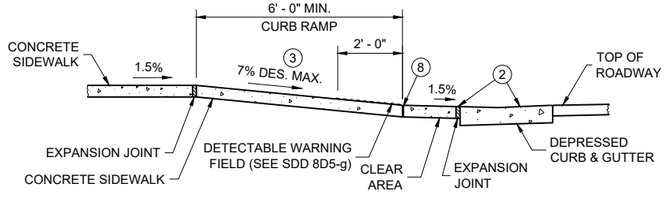
(20) MAXIMUM 1.5% DESIGN MAXIMUM AND 2.1% PROWAG MAXIMUM RUNNING SLOPE ON CLEAR AREA. CROSS SLOPE OF CLEAR AREA SHALL MATCH THE CROSS SLOPE OF THE ADJACENT CROSSWALK.

(22) THE ENTIRE RAMP SHALL BE A PLANAR SURFACE. DO NOT WARP THE RUNNING SLOPE OR CROSS SLOPE OF THE RAMP. WARPING OF THE SIDEWALK CROSS SLOPE SHALL TAKE PLACE BETWEEN THE LANDING AND MATCH POINT.

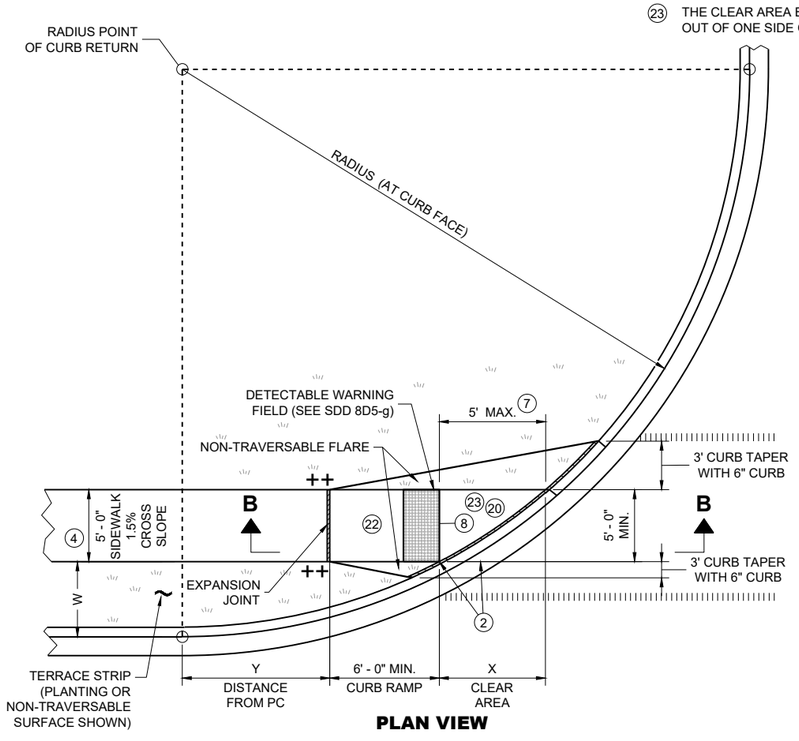
(23) THE CLEAR AREA BETWEEN THE BOTTOM OF RAMP AND BACK OF CURB SHALL BE SLOPED SO THAT WATER DRAINS OUT OF ONE SIDE OR BOTH SIDES OF THE CURB OPENING.



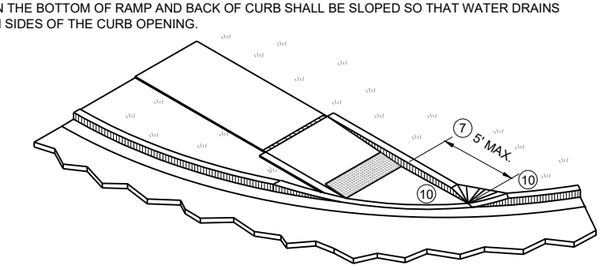
SECTION A - A FOR TYPE 4B



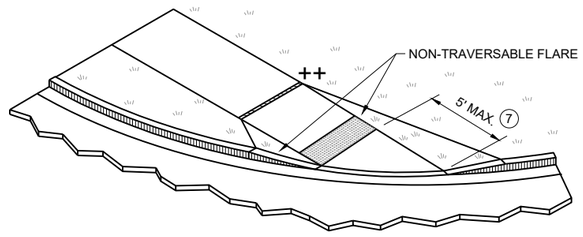
SECTION B - B FOR TYPE 4B AND TYPE 4B1



PLAN VIEW
CURB RAMP TYPE 4B1



ISOMETRIC VIEW FOR TYPE 4B



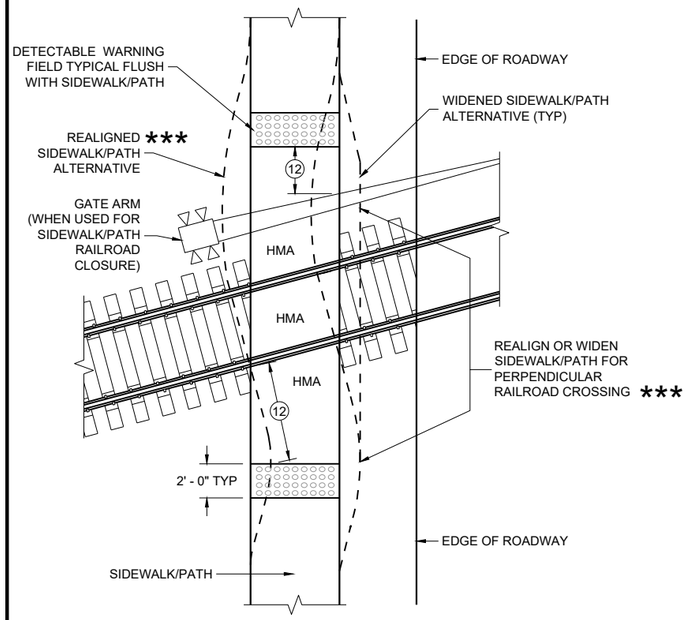
ISOMETRIC VIEW FOR TYPE 4B1

CURB RAMPS
TYPE 4B AND 4B1

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

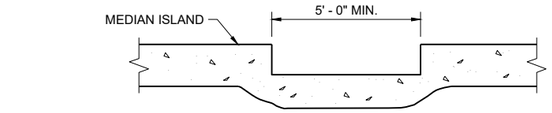
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SDD 08D05-22d

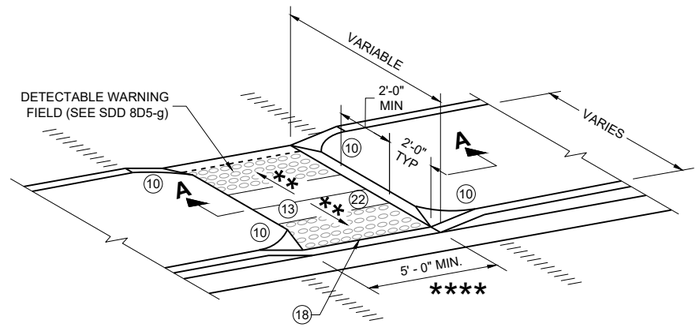


CURB RAMP TYPE 8

DETECTABLE WARNINGS FOR SIDEWALKS OR SHARED USE PATHS AT RAILROAD CROSSINGS



SECTION A - A FOR TYPE 5



CURB RAMP TYPE 5

MEDIAN ISLAND NON-ELEVATED PEDESTRIAN CROSSING

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF CURB RAMP ACCESS AREAS.

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2.1%.

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

(2) GRADE CHANGE BETWEEN GUTTER COUNTER SLOPE AND THE CURB RAMP SLOPE IS DESIRABLY 11% OR LESS AND SHALL NOT EXCEED 13.3%. TYPICAL GUTTER COUNTER SLOPE IS 4% BUT MAY BE MODIFIED TO FIT FIELD CONDITIONS. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5%, DESIRABLY 7% OR LESS, AND SHALL NOT EXCEED A MAXIMUM OF 8.3%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) MAXIMUM 8.3% CURB RAMP SLOPE IS ALLOWABLE WITH GUTTER COUNTER SLOPE OF 5% MAXIMUM AND A 13.3% MAXIMUM GRADE CHANGE.

(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2.1% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(6) PROVIDE A 5 FOOT BY 5 FOOT LANDING. SLOPE PERPENDICULAR TO CURB SHALL BE 2.1% MAXIMUM. SLOPE PARALLEL TO CURB SHALL MATCH THE CURB AND GUTTER LONGITUDINAL SLOPE.

(10) INSTALL TRANSITION NOSE (INCIDENTAL TO OTHER PAY ITEMS). DO NOT MARK TRANSITION NOSE.

(11) SLOPE SIDEWALK TOWARD LANDING AS SHOWN WHERE THERE IS NO TERRACE OR WHERE THE TERRACE WIDTH IS LESS THAN 6 FEET WIDE.

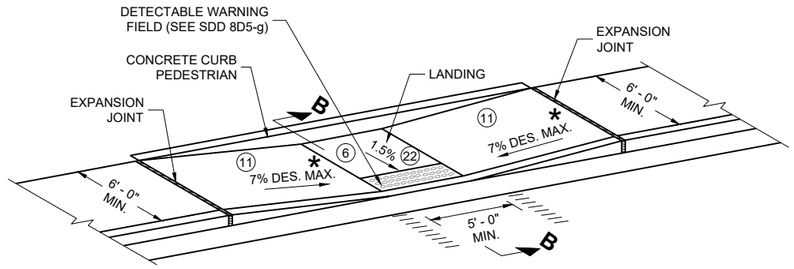
(12) THE EDGE OF THE DETECTABLE WARNING FIELD NEAREST TO A RAILROAD CROSSING SHALL BE 1.5 FEET ±0.1' FROM THE FACE OF THE GATE ARM IF THE GATE ARM EXTENDS ACROSS THE SIDEWALK/PATH, WHERE THERE IS NO PEDESTRIAN GATE, THE EDGE OF THE DETECTABLE WARNING FIELD NEAREST TO THE RAILROAD TRACK IS 15 FEET MAXIMUM AND 12 FEET MINIMUM, 15 FEET TYPICAL FROM THE NEAREST RAIL.

(13) DO NOT INSTALL DETECTABLE WARNING FIELDS AT THE EDGES OF STEET-LEVEL PEDESTRIAN REFUGE ISLANDS IF A MINIMUM 2 FOOT CONCRETE SURFACE WITHOUT DETECTABLE WARNINGS (MEASURED IN THE DIRECTION OF PEDESTRIAN TRAVEL) CANNOT BE ACHIEVED.

(17) A MAXIMUM 2-INCH CONCRETE BORDER IS PERMITTED ALONG ALL SIDES OF THE DETECTABLE WARNING FIELD SURFACE.

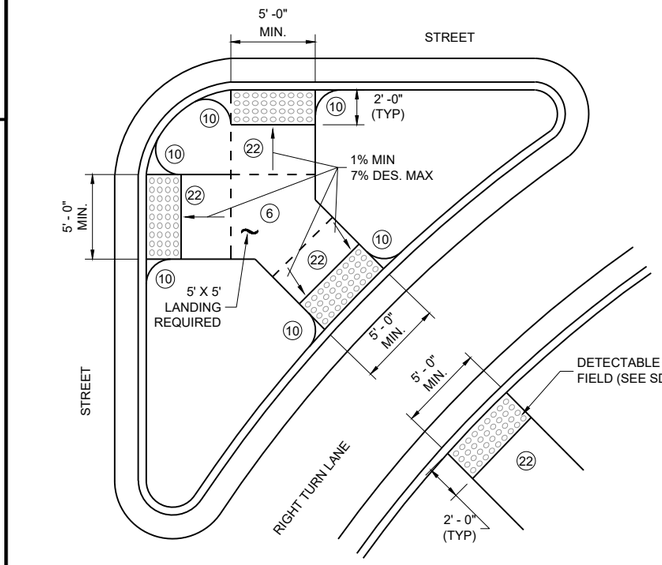
(18) WHEN THE DISTANCE BETWEEN THE BACK OF CURBS IS LESS THAN 6 FEET BUT THE FACE OF CURB TO FACE OF CURB DISTANCE IS 6 FEET OR GREATER THEN THE DETECTABLE WARNING FIELDS MAY BE MOVED SO THAT THE EDGE OF THE WARNING FIELD IS PLACED AT THE GUTTER FLOWLINE. MAINTAIN A MINIMUM OF TWO FEET BETWEEN DETECTABLE WARNING FIELD PANELS.

(22) THE ENTIRE RAMP SHALL BE A PLANAR SURFACE. DO NOT WARP THE RUNNING SLOPE OR CROSS SLOPE OF THE RAMP. WARPING OF THE SIDEWALK CROSS SLOPE SHALL TAKE PLACE BETWEEN THE LANDING AND MATCH POINT.



CURB RAMP TYPE 7A

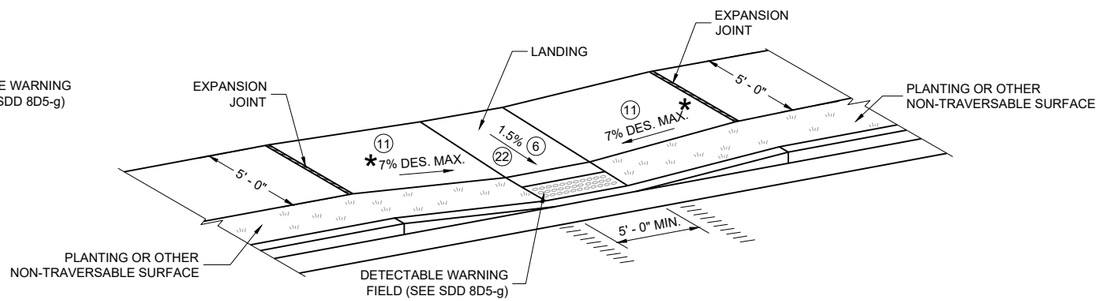
FOR INTERSECTIONS AND MID BLOCK CROSSINGS



CURB RAMP TYPE 6

DETECTABLE WARNING AT ISLANDS

REFER TO GENERAL NOTES (2) AND (3) FOR ALL ISLAND CURB RAMPS

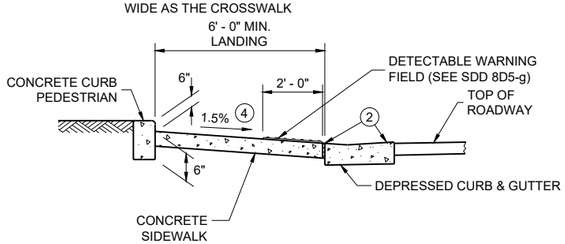


CURB RAMP TYPE 7B

FOR INTERSECTIONS AND MID BLOCK CROSSINGS

LEGEND

═══	½" EXPANSION JOINT SIDEWALK
– – – –	CONTRACTION JOINT FIELD LOCATED
ıı ıı ıı ıı	PAVEMENT MARKING CROSSWALK (WHITE)
*	MAXIMUM 8.3%
**	1% MINIMUM (PROVIDE DRAINAGE)
***	DETAILS TO BE DETERMINED BY ENGINEER
****	FOR SHARED USE PATHS, WIDTH MUST BE AS WIDE AS THE CROSSWALK

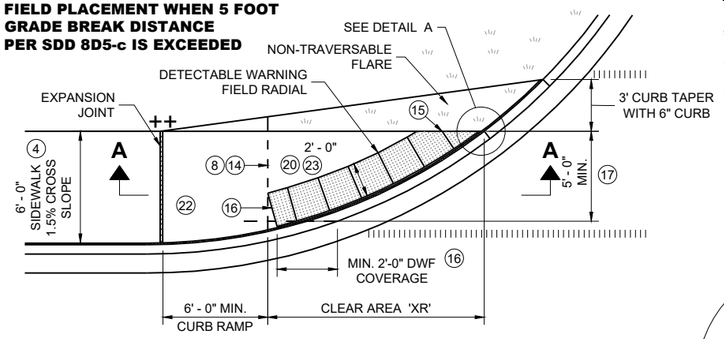


SECTION B - B FOR TYPE 7A

CURB RAMPS
TYPE 5, 6, 7A, 7B & 8

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

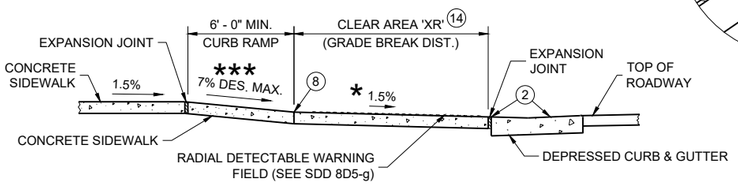
RADIAL DETECTABLE WARNING FIELD PLACEMENT WHEN 5 FOOT GRADE BREAK DISTANCE PER SDD 8D5-c IS EXCEEDED



PLAN VIEW

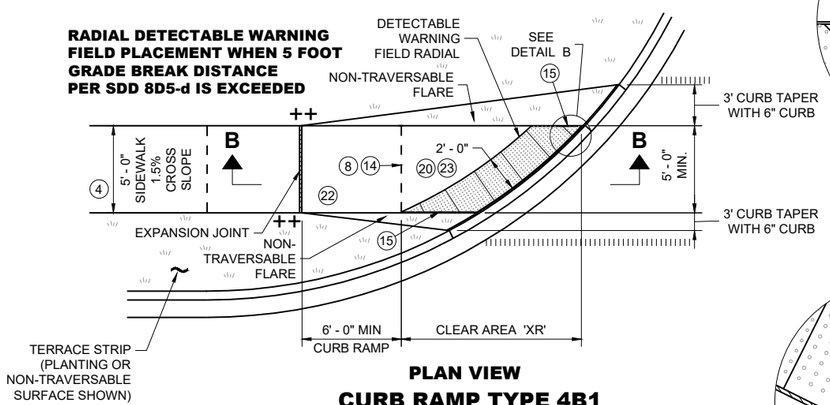
CURB RAMP TYPE 4A1

(GRADE BREAK DISTANCE GREATER THAN 5 FEET)



SECTION A - A FOR TYPE 4A1

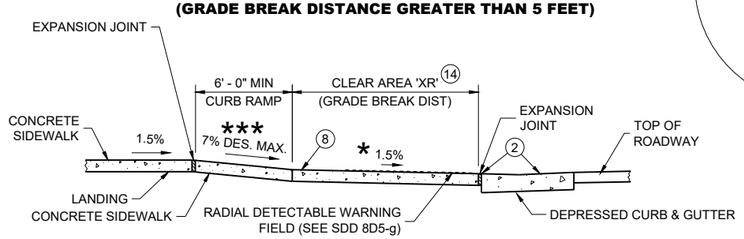
RADIAL DETECTABLE WARNING FIELD PLACEMENT WHEN 5 FOOT GRADE BREAK DISTANCE PER SDD 8D5-d IS EXCEEDED



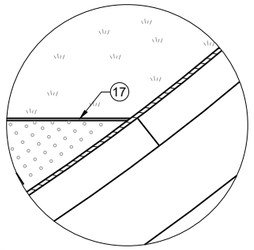
PLAN VIEW

CURB RAMP TYPE 4B1

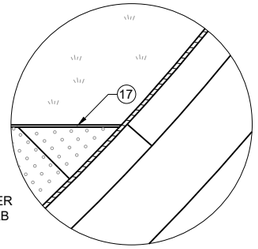
(GRADE BREAK DISTANCE GREATER THAN 5 FEET)



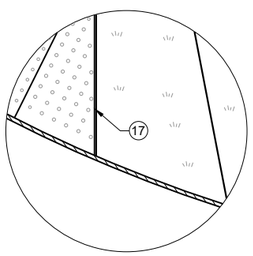
SECTION B - B FOR TYPE 4B1



DETAIL A



DETAIL B



DETAIL C

LEGEND

═══	½" EXPANSION JOINT SIDEWALK
– – – –	CONTRACTION JOINT SIDEWALK
ıı ıı ıı ıı	PAVEMENT MARKING CROSSWALK (WHITE)
**	WIDTH SHOWN ELSEWHERE IN THE PLANS
***	MAXIMUM 8.3%
++	CONSTRUCT 6" WEDGE TO AVOID CONCRETE BREAKAGE

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF CURB RAMP ACCESS AREAS.

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

APPLY RADIAL DETECTABLE WARNING PLACEMENT SIMILARLY FOR TYPE 4A AND 4A1 CURB RAMPS AND SIMILARLY FOR TYPE 4B AND 4B1 CURB RAMPS. TYPE 4A AND 4B CURB RAMPS ARE NOT SHOWN.

REFER TO SDD 8D5-g FOR ADDITIONAL RADIAL PLATE REQUIREMENTS.

FIELD CUTS AT INTERMEDIATE JOINTS WITHIN THE RADIAL DETECTABLE WARNING FILED ARE PROHIBITED.

DETERMINE FINAL RADIAL WARNING FIELD CONFIGURATION AD ITS INDIVIDUAL PLATE LOCATIONS. PERFORM PRE-LAYOUT PRIOR TO PLACEMENT IN PLASTIC CONCRETE. FOLLOW MANUFACTURER'S PRODUCT LIST AND INSTALLATION RECOMMENDATIONS.

(2) GRADE CHANGE BETWEEN GUTTER COUNTER SLOPE AND THE CURB RAMP SLOPE IS DESIRABLY 11% OR LESS AND SHALL NOT EXCEED 13.3%. TYPICAL GUTTER COUNTER SLOPE IS 4% BUT MAY BE MODIFIED TO FIT FIELD CONDITIONS. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5%, DESIRABLY 7% OR LESS, AND SHALL NOT EXCEED A MAXIMUM OF 8.3%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) MAXIMUM 8.3% CURB RAMP SLOPE IS ALLOWABLE WITH GUTTER COUNTER SLOPE OF 5% MAXIMUM AND A 13.3% MAXIMUM GRADE CHANGE.

(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2.1% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(6) PROVIDE A 5 FOOT BY 5 FOOT LANDING. SLOPE PERPENDICULAR TO CURB SHALL BE 2.1% MAXIMUM. SLOPE PARALLEL TO CURB SHALL MATCH THE CURB AND GUTTER LONGITUDINAL SLOPE.

(8) PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.

(14) CONSULT ENGINEER IF GRADE BREAK LOCATION (END OF LANDING DIMENSION "XR") REQUIRES FIELD ADJUSTMENT WHEN ESTABLISHING FINAL RADIAL DETECTABLE WARNING FIELD LOCATION.

(15) FIELD SAW CUTS ALONG RADIAL DETECTABLE WARNING PLATES WILL BE NECESSARY TO MATCH EACH CURB RAMP EDGE. AVOID CUTTING THROUGH DOMES WHENEVER POSSIBLE. MAKE FIELD CUTS TRUE TO LINE AND WITHIN ⅛" DEVIATION. SMOOTH EDGES OF FIELD CUT PLATES.

(16) USE 1' X 2" RECTANGULAR END PLATE AT END OF TYPE 4A1 RAMP AND PROVIDE MINIMUM 2' - 0" DETECTABLE WARNING FIELD COVERAGE (IN DIRECTION OF PEDESTRIAN TRAVEL) ALONG THE ENTIRE CURB RAMP WIDTH.

(17) A MAXIMUM 2-INCH CONCRETE BORDER IS PERMITTED ALONG ALL SIDES OF THE DETECTABLE WARNING FIELD SURFACE.

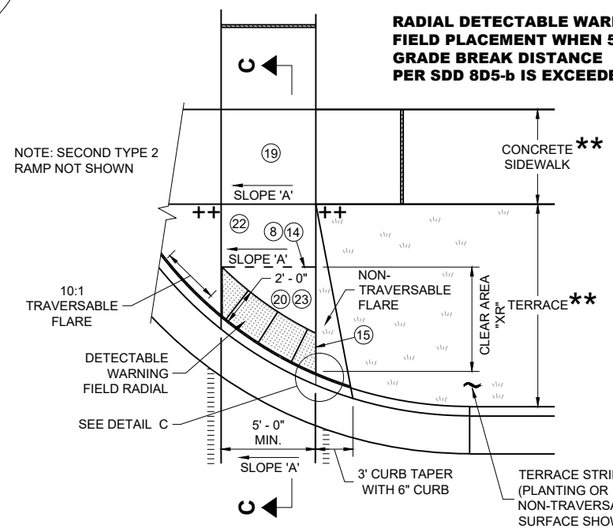
(19) WHERE A LANDING SERVES TWO CURB RAMPS, THE LANDING SLOPE SHALL NOT EXCEED THE CROSS SLOPE AT THE BOTTOM OF THE RAMP OR WITHIN THE CROSSWALK PARALLEL TO THE DIRECTION OF TRAVEL.

(20) MAXIMUM 1.5% DESIGN MAXIMUM AND 2.1% PROWAG MAXIMUM RUNNING SLOPE ON CLEAR AREA. CROSS SLOPE OF CLEAR AREA SHALL MATCH THE CROSS SLOPE OF THE ADJACENT CROSSWALK.

(22) THE ENTIRE RAMP SHALL BE A PLANAR SURFACE. DO NOT WARP THE RUNNING SLOPE OR CROSS SLOPE OF THE RAMP. WARPING OF THE SIDEWALK CROSS SLOPE SHALL TAKE PLACE BETWEEN THE LANDING AND MATCH POINT.

(23) THE CLEAR AREA BETWEEN THE BOTTOM OF RAMP AND BACK OF CURB SHALL BE SLOPED SO THAT WATER DRAINS OUT OF ONE SIDE OR BOTH SIDES OF THE CURB OPENING.

RADIAL DETECTABLE WARNING FIELD PLACEMENT WHEN 5 FOOT GRADE BREAK DISTANCE PER SDD 8D5-b IS EXCEEDED

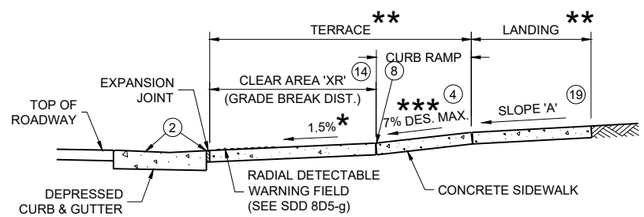


PLAN VIEW

CURB RAMP TYPE 2

(GRADE BREAK DISTANCE GREATER THAN 5 FEET)

(ON LINE WITH SIDEWALK)



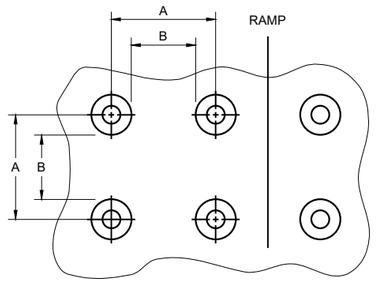
SECTION C - C FOR TYPE 2

CURB RAMPS
RADIAL DETECTABLE WARNING

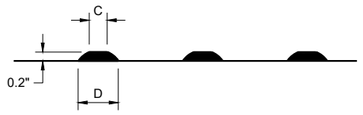
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

	MIN.	MAX.
A	1.6"	2.4"
B	0.65"	1.5"
C	*	*
D	0.9"	1.4"

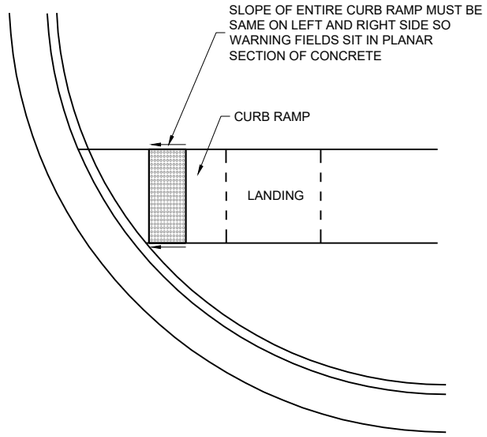
* THE C DIMENSION IS 50% TO 65% OF THE D DIMENSION.



PLAN VIEW



ELEVATION VIEW



DETECTABLE WARNING FIELD
PLANAR INSTALLATION

GENERAL NOTES

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AT A CURB RAMP SHALL BE FROM THE SAME MANUFACTURER.

PLACE ALL DETECTABLE WARNING FIELD SYSTEMS IN ACCORDANCE TO THE MANUFACTURER'S RECOMMENDATION.

FIELD CUTS AT INTERMEDIATE JOINTS WITHIN THE RADIAL DETECTABLE WARNING FILED ARE PROHIBITED.

DETERMINE FINAL RADIAL WARNING FIELD CONFIGURATION AND ITS INDIVIDUAL PLATE LOCATIONS. PERFORM PRE-LAYOUT PRIOR TO PLACEMENT IN PLASTIC CONCRETE. FOLLOW MANUFACTURER'S PRODUCT LIST AND INSTALLATION RECOMMENDATIONS.

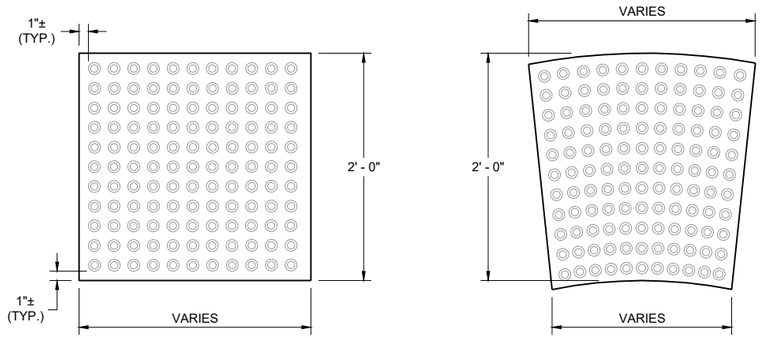
FOR RADIAL DETECTABLE WARNING FIELD APPLICATIONS WHERE STANDARD RADIAL PLATES ARE NOT AVAILABLE AT AN INTERSECTION CURB RADIUS, A COMBINATION OF SQUARE OR RECTANGULAR PLATES AND RADIAL PLATES MAY BE USED TO FORM RADIAL CONFIGURATION. RADIAL WEDGE PLATES IN COMBINATION WITH SQUARE PLATES ARE ALSO ACCEPTABLE. FOLLOW MANUFACTURER'S RECOMMENDATIONS.

REFER TO CONTRACT AND STANDARD SPECIFICATIONS FOR FIELD CUTTING REQUIREMENTS.

DO NOT EMBED IN CONCRETE ANY FIELD-CUT PLATES WITH CUT EDGES SHORTER THAN 6 INCHES. CONSULT WITH MANUFACTURER FOR RE-DRILLING AND ANCHORING REQUIREMENTS OF FIELD-CUT PLATES.

(15) FIELD SAW CUTS ALONG RADIAL DETECTABLE WARNING PLATES WILL BE NECESSARY TO MATCH EACH CURB RAMP EDGE. AVOID CUTTING THROUGH DOMES WHENEVER POSSIBLE. MAKE FIELD CUTS TRUE TO LINE AND WITHIN ⅛" DEVIATION. SMOOTH EDGES OF FIELD CUT PLATES.

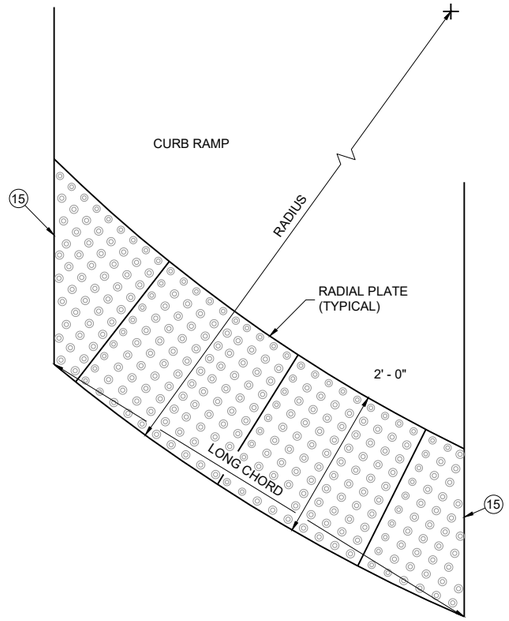
TRUNCATED DOMES
DETECTABLE WARNING PATTERN DETAIL



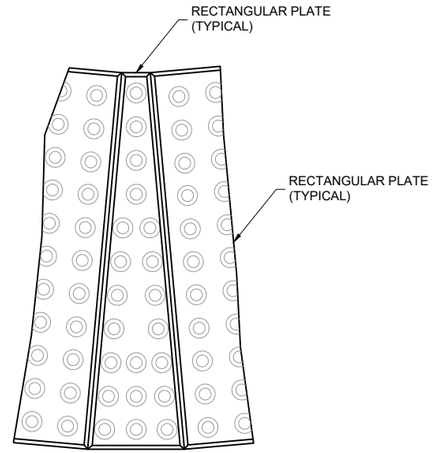
RECTANGULAR PLATES

RADIAL PLATES

PLAN VIEW
DETECTABLE WARNING FIELDS (TYPICAL)



PLAN VIEW
RADIAL DETECTABLE WARNING FIELD ATTRIBUTES



PLAN VIEW
RADIAL WEDGE PLATE CONNECTION DETAIL

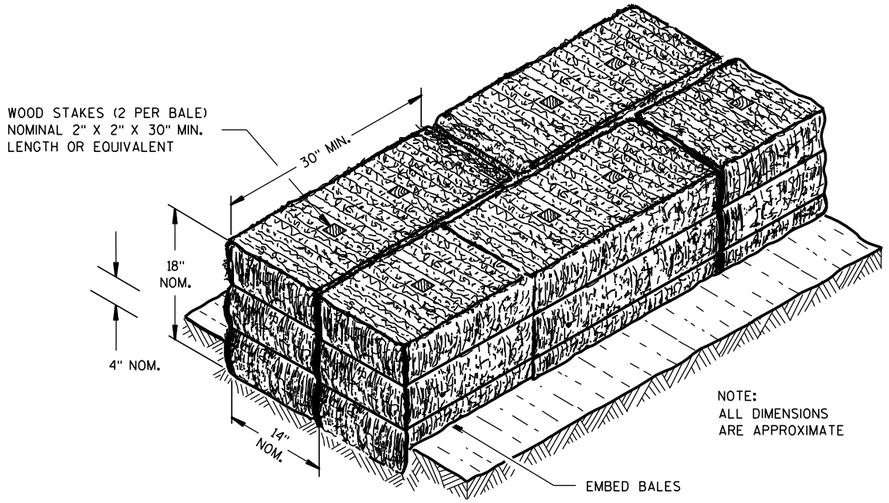
CURB RAMPS
RECTANGULAR AND RADIAL
DETECTABLE WARNING PLATES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

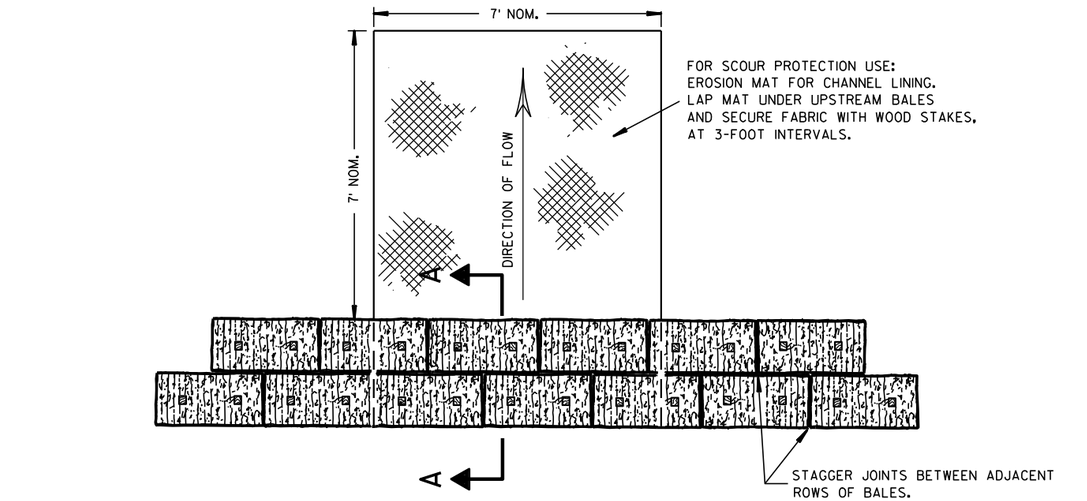
APPROVED
February 2025 — DATE
/S/ Rodney Taylor — <position>

FHWA

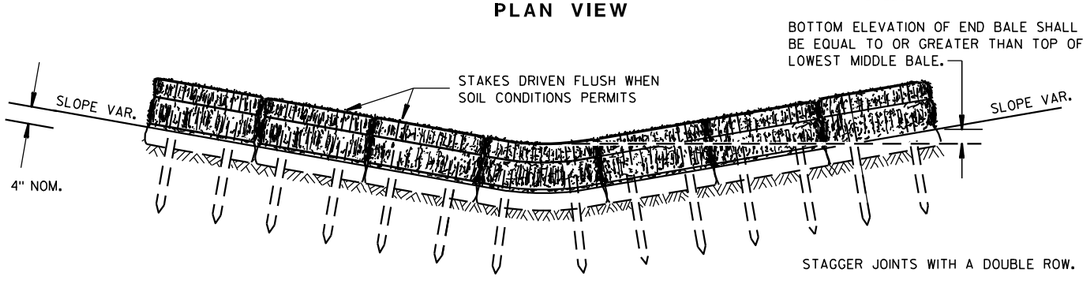
6
SDD 08D05-22g



SECTION A-A



PLAN VIEW



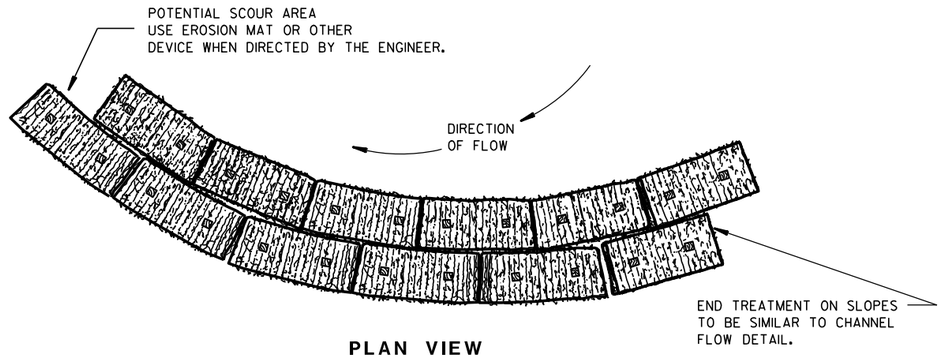
FRONT ELEVATION

TEMPORARY DITCH CHECK USING EROSION BALES (1)

GENERAL NOTES

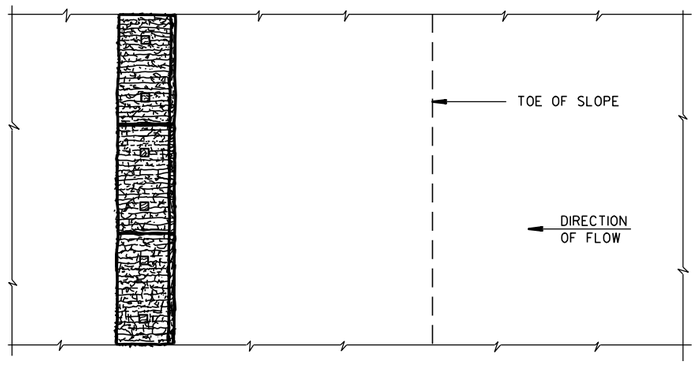
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

(1) TEMPORARY DITCH CHECKS EITHER EROSION BALES OR MANUFACTURED SHALL BE PAID FOR UNDER THE BID ITEM OF TEMPORARY DITCH CHECK. THE DEPARTMENT WILL NOT PAY FOR TEMPORARY DITCH CHECKS CONSTRUCTED OF A SINGLE ROW OF EROSION BALES.

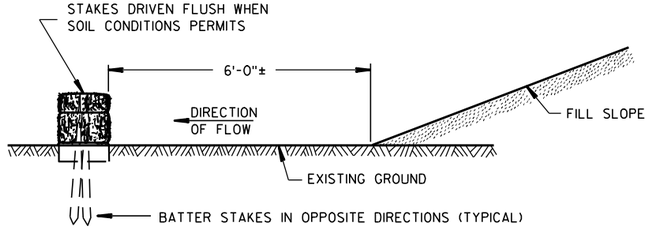


PLAN VIEW

WHEN ALTERING THE DIRECTION OF FLOW



PLAN VIEW



FRONT ELEVATION

WHEN EXISTING GROUND SLOPES AWAY FROM FILL SLOPE

EROSION BALES FOR SHEET FLOW

TYPICAL INSTALLATIONS OF EROSION BALES / TEMPORARY DITCH CHECKS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

6/04/02 — DATE

/S/ Beth Cannestra — CHIEF ROADWAY DEVELOPMENT ENGINEER

FHWA

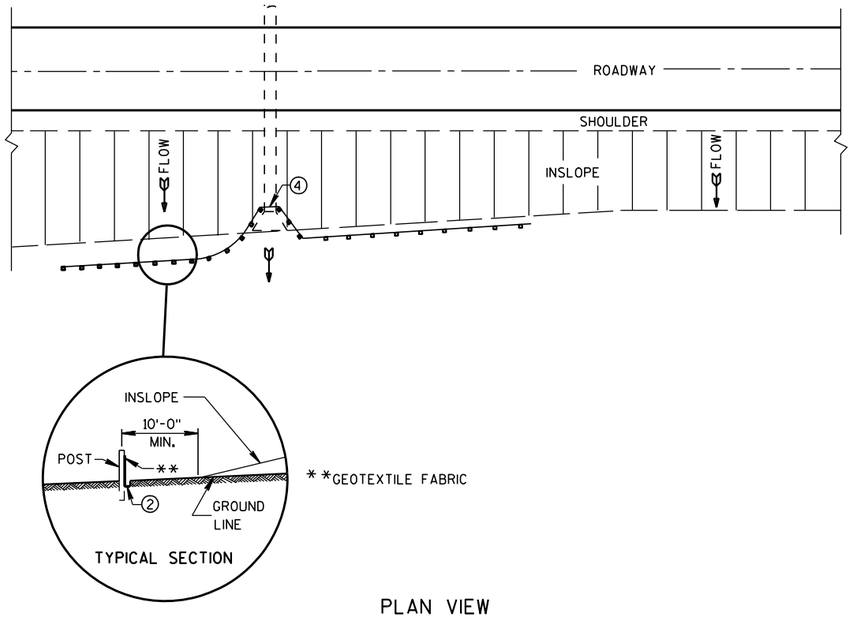
847

6

S.D.D. 8 E 8-3

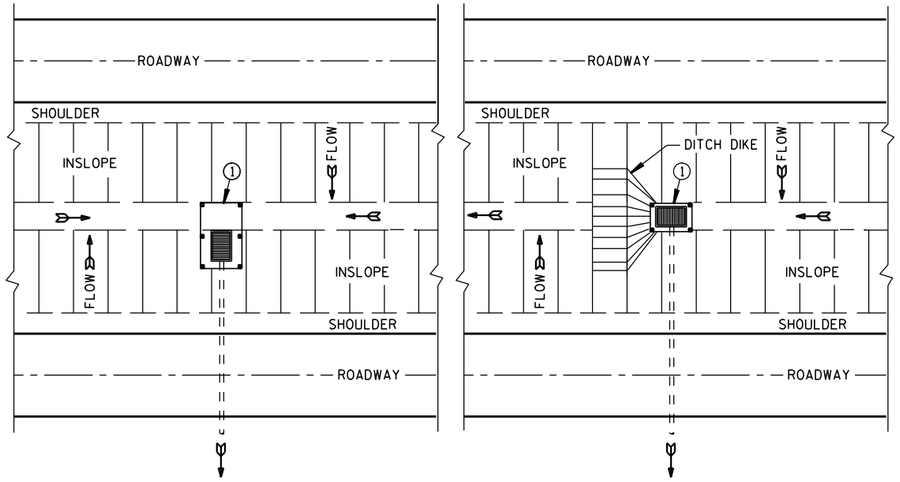
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S.D.D. 8 E 8-3



PLAN VIEW

TYPICAL APPLICATION OF SILT FENCE



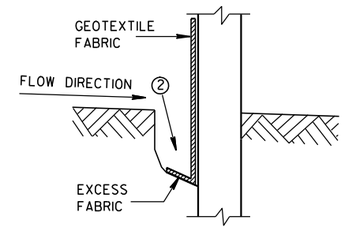
PLAN VIEW

SILT FENCE AT MEDIAN SURFACE DRAINS

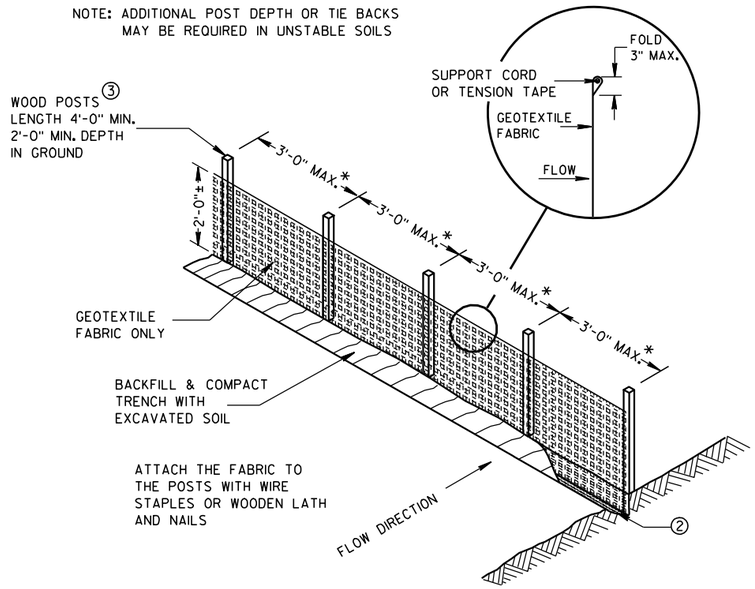
GENERAL NOTES

DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

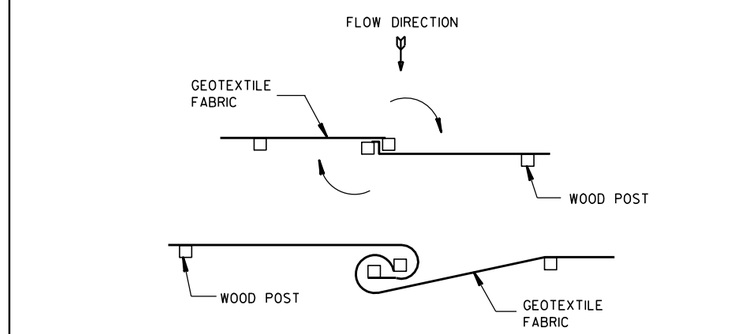
1. HORIZONTAL BRACE REQUIRED WITH 2" X 4" WOODEN FRAME OR EQUIVALENT AT TOP OF POSTS.
2. FOR MANUAL INSTALLATIONS THE TRENCH SHALL BE A MINIMUM OF 4" WIDE & 6" DEEP TO BURY AND ANCHOR THE GEOTEXTILE FABRIC. FOLD MATERIAL TO FIT TRENCH AND BACKFILL & COMPACT TRENCH WITH EXCAVATED SOIL.
3. WOOD POSTS SHALL BE A MINIMUM SIZE OF 1⅛" X 1⅛" OF OAK OR HICKORY.
4. SILT FENCE TO EXTEND ACROSS THE TOP OF THE PIPE.
5. CONSTRUCT SILT FENCE FROM A CONTINUOUS ROLL IF POSSIBLE BY CUTTING LENGTHS TO AVOID JOINTS. IF A JOINT IS NECESSARY USE ONE OF THE FOLLOWING TWO METHODS; A) OVERLAP THE END POSTS AND TWIST, OR ROTATE, AT LEAST 180 DEGREES, B) HOOK THE END OF EACH SILT FENCE LENGTH.



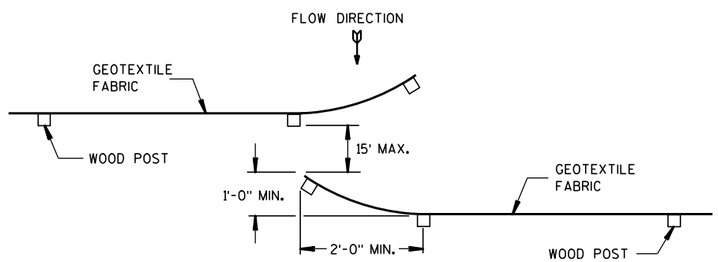
TRENCH DETAIL



SILT FENCE

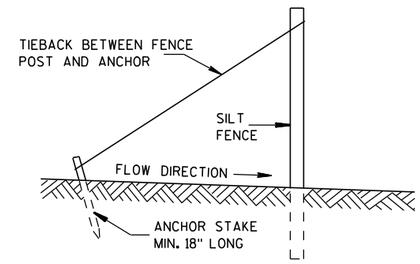


TWIST METHOD



HOOK METHOD

JOINING TWO LENGTHS OF SILT FENCE 5



SILT FENCE TIE BACK

(WHEN REQUIRED BY THE ENGINEER)

SILT FENCE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

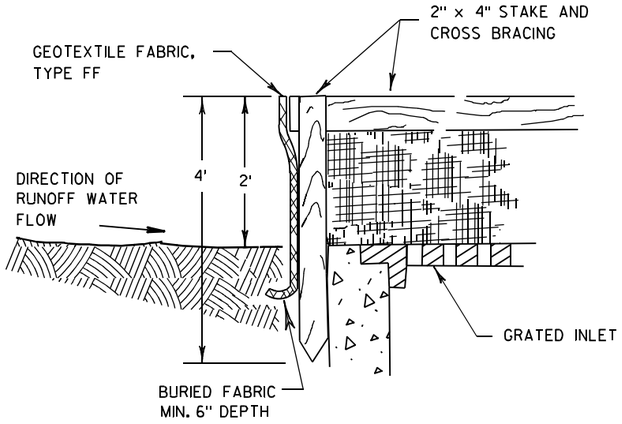
APPROVED
4-29-05 DATE
/S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

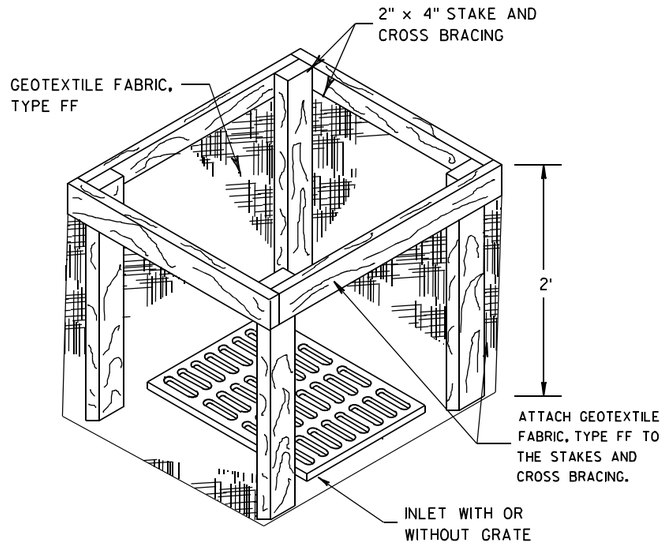
6

S.D.D. 8 E 9-6

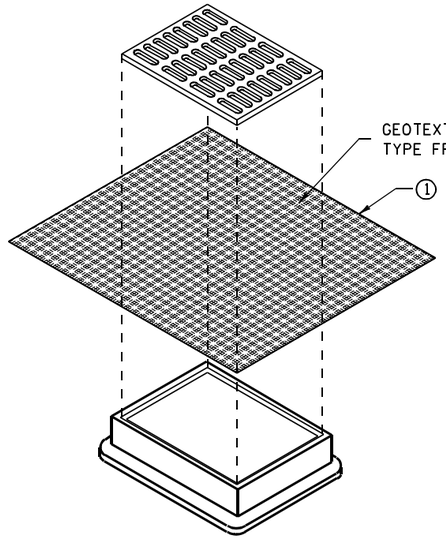
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S.D.D. 8 E 9-6



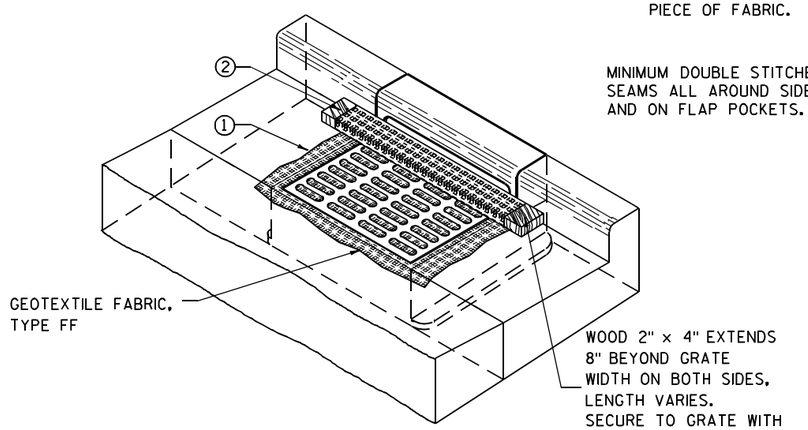


INLET PROTECTION, TYPE A

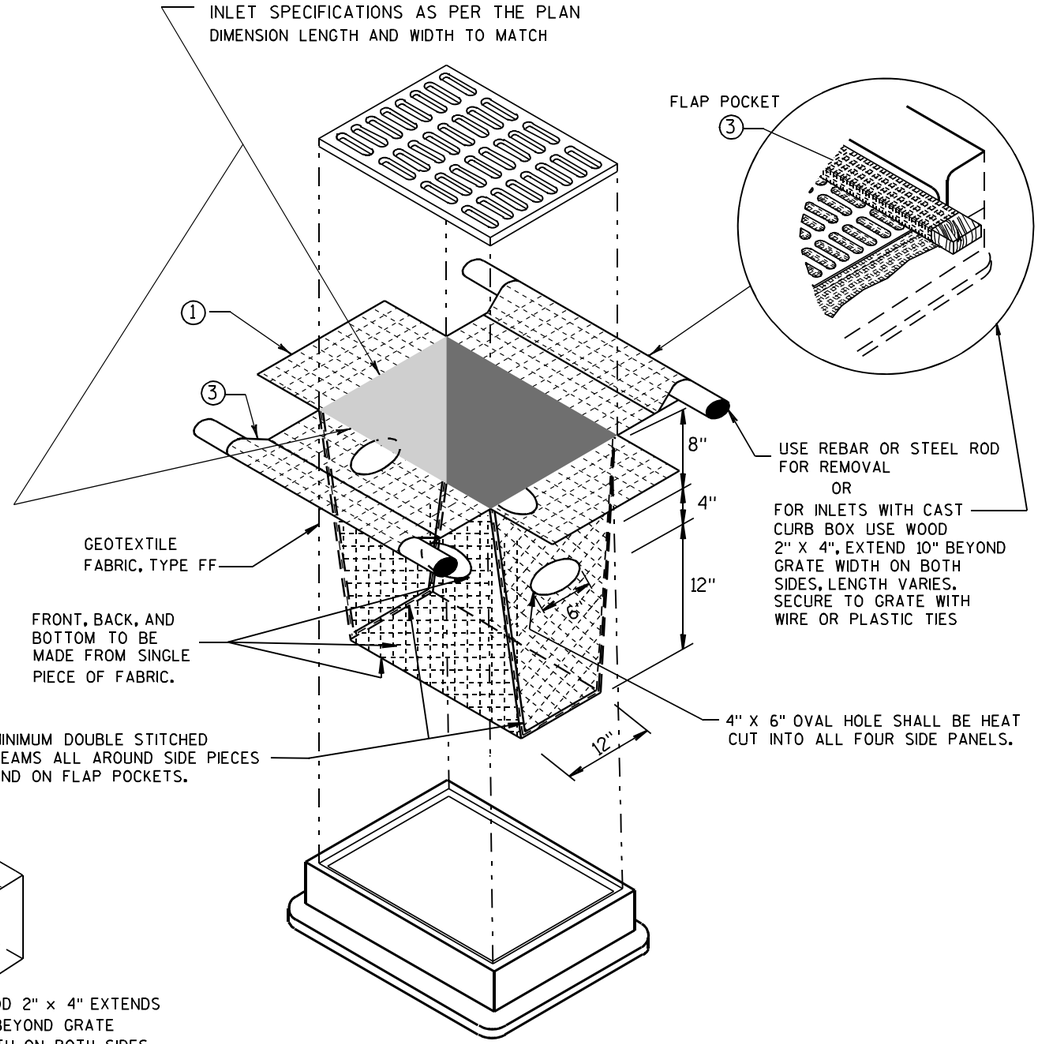


INLET PROTECTION, TYPE B
(WITHOUT CURB BOX)

(CAN BE INSTALLED IN ANY INLET WITHOUT A CURB BOX)



INLET PROTECTION, TYPE C (WITH CURB BOX)



INLET PROTECTION, TYPE D

(CAN BE INSTALLED IN ANY INLET TYPE WITH
OR WITHOUT A CURB BOX AS PER NOTE ②)

GENERAL NOTES

INLET PROTECTION DEVICES SHALL BE MAINTAINED OR REPLACED AT THE DIRECTION OF THE ENGINEER.

MANUFACTURED ALTERNATIVES APPROVED AND LISTED ON THE DEPARTMENT'S EROSION CONTROL PRODUCT ACCEPTABILITY LIST MAY BE SUBSTITUTED.

WHEN REMOVING OR MAINTAINING INLET PROTECTION, CARE SHALL BE TAKEN SO THAT THE SEDIMENT TRAPPED ON THE GEOTEXTILE FABRIC DOES NOT FALL INTO THE INLET. ANY MATERIAL FALLING INTO THE INLET SHALL BE REMOVED IMMEDIATELY.

① FINISHED SIZE, INCLUDING FLAP POCKETS WHERE REQUIRED, SHALL EXTEND A MINIMUM OF 10" AROUND THE PERIMETER TO FACILITATE MAINTENANCE OR REMOVAL.

② FOR INLET PROTECTION, TYPE C (WITH CURB BOX), AN ADDITIONAL 18" OF FABRIC IS WRAPPED AROUND THE WOOD AND SECURED WITH STAPLES. THE WOOD SHALL NOT BLOCK THE ENTIRE HEIGHT OF THE CURB BOX OPENING.

③ FLAP POCKETS SHALL BE LARGE ENOUGH TO ACCEPT WOOD 2X4.

INSTALLATION NOTES

TYPE B & C

TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE.

THE CONTRACTOR SHALL DEMONSTRATE A METHOD OF MAINTENANCE, USING A SEWN FLAP, HAND HOLDS OR OTHER METHOD TO PREVENT ACCUMULATED SEDIMENT FROM ENTERING THE INLET.

TYPE D

DO NOT INSTALL INLET PROTECTION TYPE D IN INLETS SHALLOWER THAN 30", MEASURED FROM THE BOTTOM OF THE INLET TO THE TOP OF THE GRATE.

TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE.

THE INSTALLED BAG SHALL HAVE A MINIMUM SIDE CLEARANCE, BETWEEN THE INLET WALLS AND THE BAG, MEASURED AT THE BOTTOM OF THE OVERFLOW HOLES, OF 3". WHERE NECESSARY THE CONTRACTOR SHALL CINCH THE BAG, USING PLASTIC ZIP TIES, TO ACHIEVE THE 3" CLEARANCE. THE TIES SHALL BE PLACED AT A MAXIMUM OF 4" FROM THE BOTTOM OF THE BAG.

INLET PROTECTION
TYPE A, B, C, AND D

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

10/16/02
DATE

/S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER

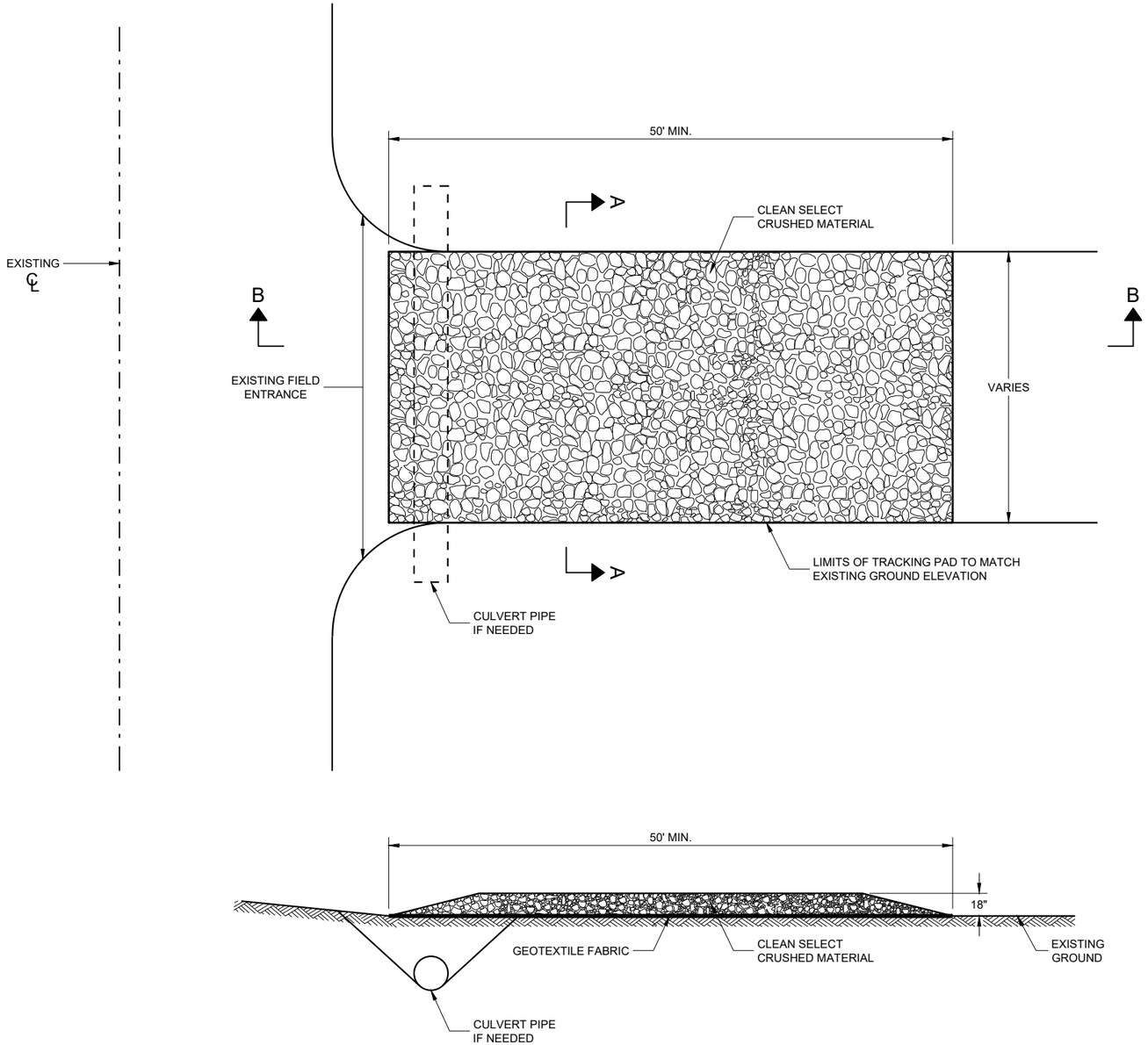
FHWA

6

S.D.D. 8 E 10-2

6

S.D.D. 8 E 10-2



SECTION B - B

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

TRACKING PAD SHALL BE INSPECTED DAILY. DEFICIENT AREAS SHALL BE REPAIRED OR REPLACED IMMEDIATELY.

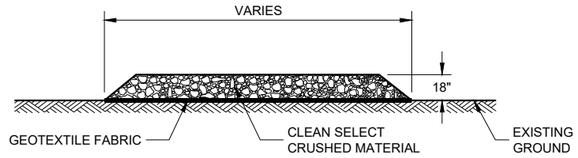
TRACKING PAD TO BE REMOVED AFTER CONSTRUCTION IS COMPLETED.

TRACKING PAD SHALL BE THE FULL WIDTH OF THE EGRESS POINT.

SURFACE WATER MUST BE PREVENTED FROM PASSING THROUGH THE TRACKING PAD. FLOWS SHALL BE DIVERTED AWAY, AROUND OR CONVEYED UNDER THE TRACKING PAD.

CULVERT PIPE OR OTHER BMP USED TO DIVERT WATER AWAY, AROUND OR UNDER THE TRACKING PAD SHALL BE DESIGNED TO CONVEY THE 2 YEAR - 24 HOUR EVENT.

THE COST OF ADDITIONAL BMP TO DIVERT WATER ARE INCIDENTAL TO THE TRACKING PAD BID ITEM.



SECTION A - A

TRACKING PAD

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

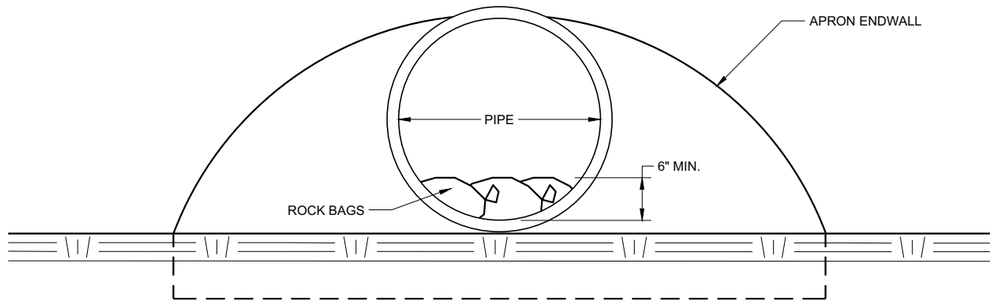
APPROVED
3/24/2011
DATE
/S/ Jerry H. Zogg
ROADWAY STANDARDS DEVE ENGINEER
FHWA

6

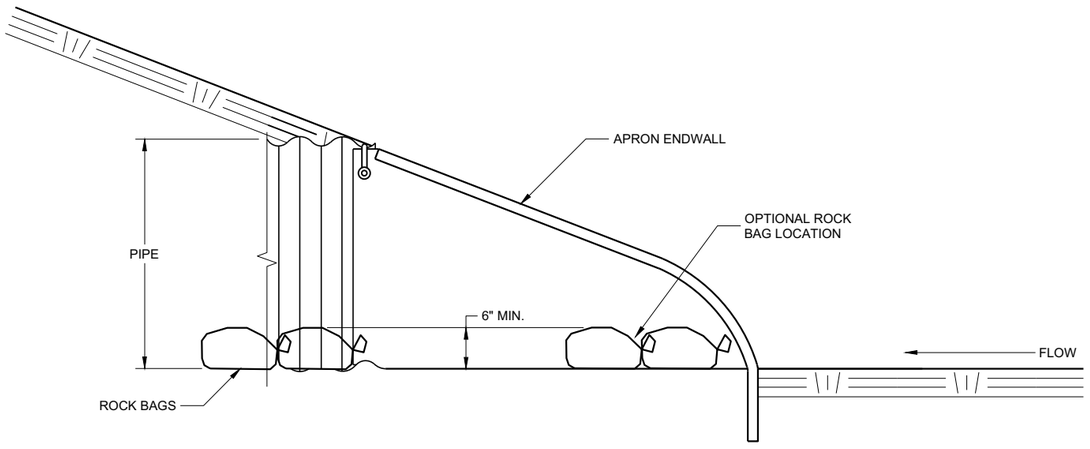
SDD 08E14 - 01

6

SDD 08E14 - 01



END VIEW



SIDE VIEW

CULVERT PIPE CHECK

(INSTALL ON INLET END ONLY)

CULVERT PIPE CHECK

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2019
DATE

/S/ Daniel Schave
EROSION CONTROL ENGI 851

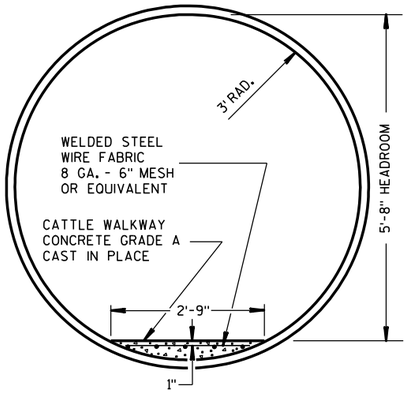
FHWA

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SDD 08E15 - 01

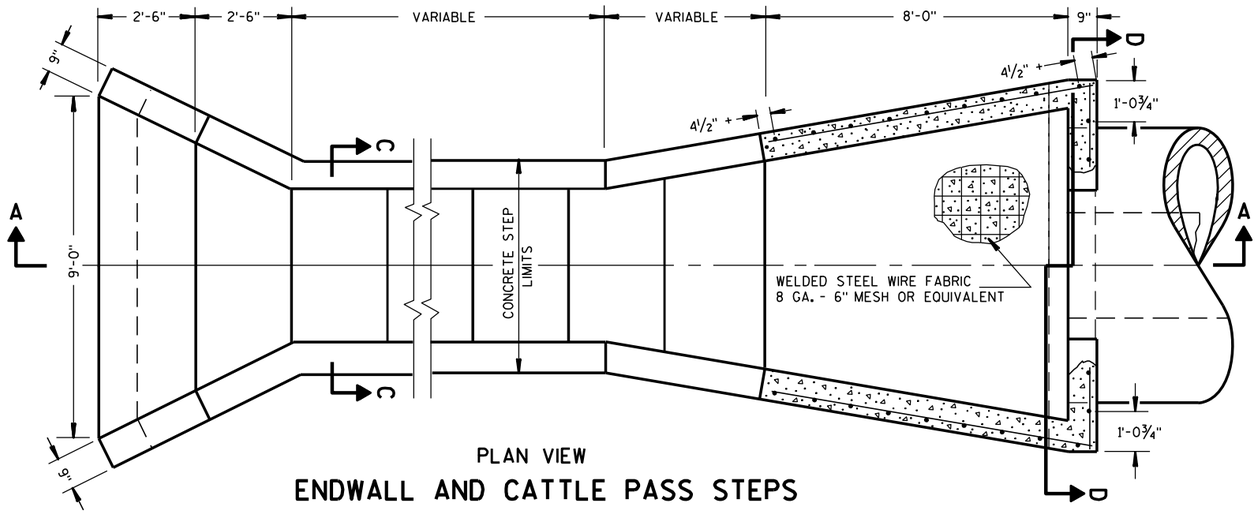
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SDD 08E15 - 01



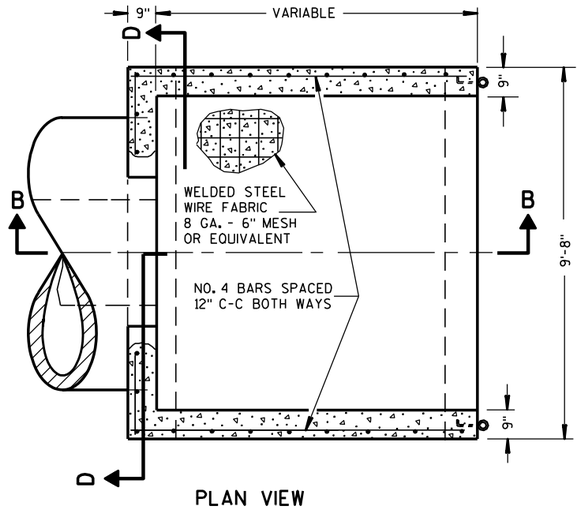
CROSS SECTION

CORRUGATED METAL PIPE CATTLE PASS



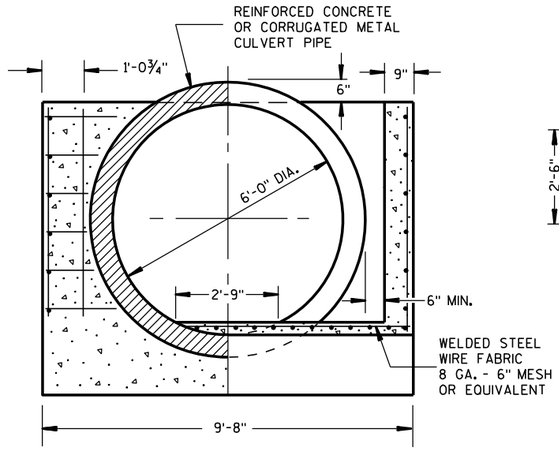
PLAN VIEW

ENDWALL AND CATTLE PASS STEPS

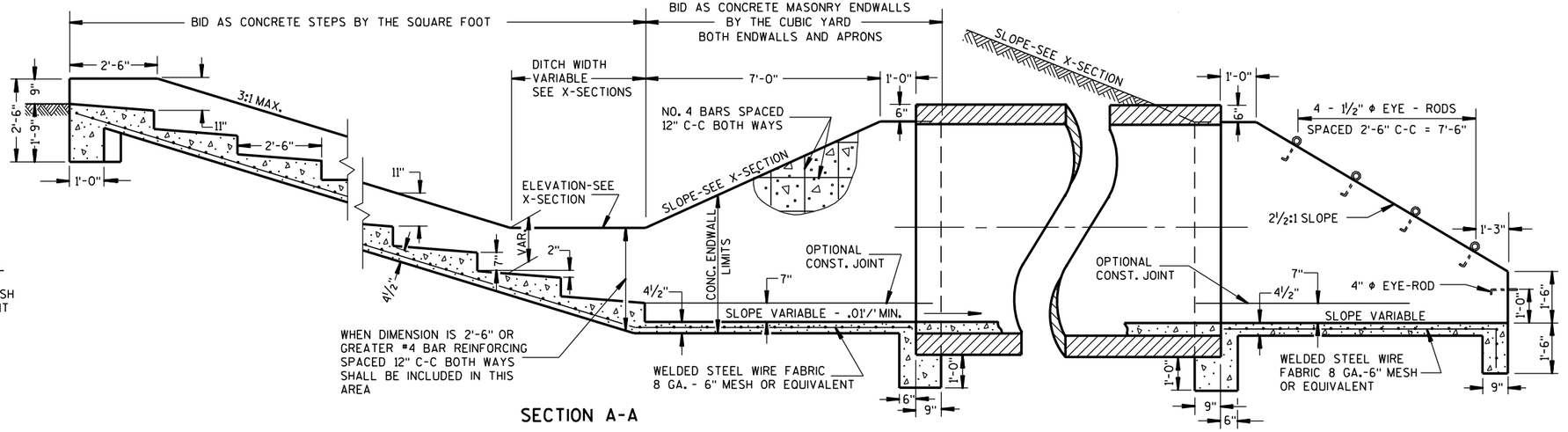


PLAN VIEW

ENDWALL FOR CATTLE PASS

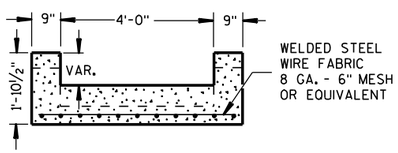


SECTION D-D

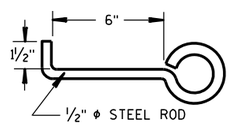


SECTION A-A

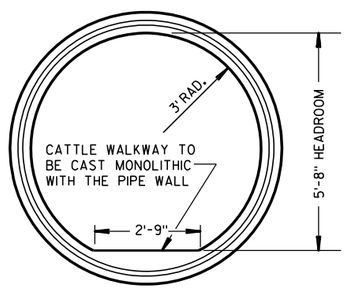
SECTION B-B



SECTION C-C



EYE-ROD ANCHOR



END VIEW

REINFORCED CONCRETE PIPE CATTLE PASS

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

ALL STEEL REINFORCEMENT IN ENDWALLS AND CATTLE PASS STEPS SHALL BE EMBEDDED 2 INCHES CLEAR UNLESS OTHERWISE NOTED.

ALL STEEL REINFORCEMENT OR FABRIC USED AS SHOWN ABOVE SHALL BE INCIDENTAL TO THE BID ITEM OF WHICH IT IS AN INTEGRAL PART.

EYE-RODS FOR FENCE CONNECTIONS SHALL BE PROVIDED BY THE CONTRACTOR AS AN INCIDENTAL TO THE BID ITEM OF CONCRETE MASONRY, ENDWALLS AND SHALL BE GALVANIZED.

CONCRETE USED FOR THE CATTLE WALKWAY WITHIN THE PIPE SHALL BE INCIDENTAL TO THE BID ITEM OF PIPE CATTLE PASS.

DETAILS FOR PIPE CATTLE PASS, CONCRETE ENDWALL AND STEPS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

6/6/75 — DATE

/S/ Harold Fiedler — STATE DESIGN ENGINE 852 — HWYS

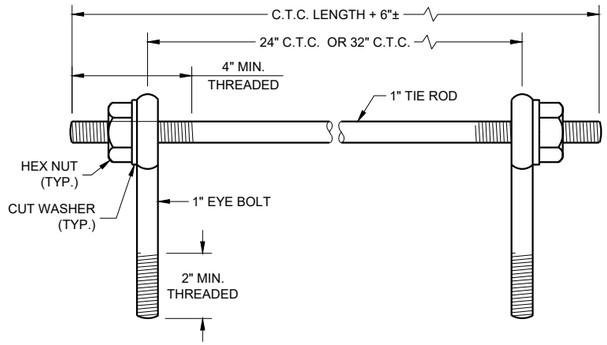
FHWA

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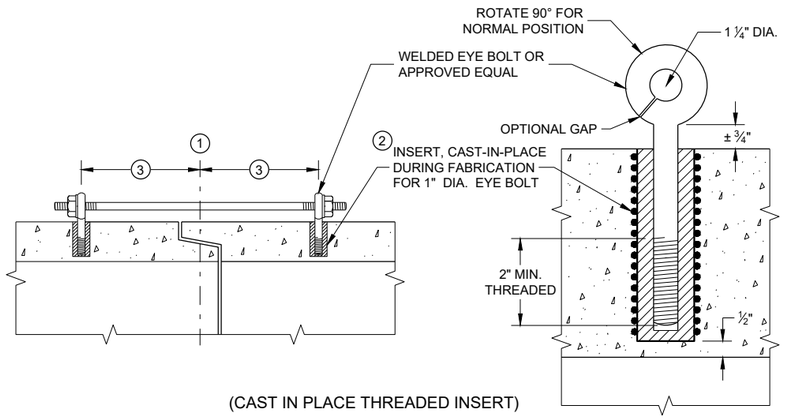
S.D.D. 8 F 3-3

6

S.D.D. 8 F 3-3



EYE BOLTS AND TIE ROD



(CAST IN PLACE THREADED INSERT)

LONGITUDINAL SECTIONS

EYE BOLT AND TIE ROD ASSEMBLY (ALTERNATE NO. 1)

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS, AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

CONCRETE CULVERT AND STORM SEWER PIPE SHALL BE TIED TOGETHER IN THE MANNER ILLUSTRATED BY THIS DETAIL AT LOCATIONS DESIGNATED IN THE STANDARD SPECIFICATIONS AND THE PLAN. THE CONTRACTOR MAY USE EITHER ALTERNATE 1, 2 OR 3 FOR DRAINAGE STRUCTURES. ONLY ALTERNATE 1 AND 3 MAY BE USED FOR CATTLE PASSES, UNLESS OTHERWISE STATED IN THE CONTRACT. THE MATERIALS, FABRICATION AND WORK NECESSARY TO TIE THE PIPE BY THIS DETAIL WILL BE CONSIDERED INCIDENTAL TO THE PIPE AND APRON ENDWALLS IF REQUIRED.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR JOINT TIES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL.

JOINT TIES TO BE HOT-DIP GALVANIZED PER ASTM A 153.

(1) CENTER LINE OF TONGUE AND GROOVE OR BELL AND SPIGOT JOINTS.

(2) THE INSIDE OF THE THREADED INSERTS SHALL BE CLEAN TO ALLOW THE INSERTION OF THREADED EYE BOLTS.

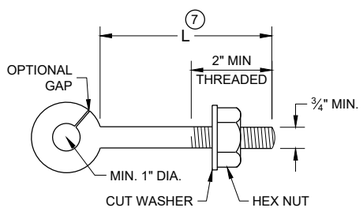
(3) HOLES SHALL BE CAST-IN-PLACE OR DRILLED PER THE APPLICABLE DETAIL, AND EQUAL DISTANCE FROM THE CENTERLINE OF THE JOINT.

(4) BOLT PROJECTION INSIDE OF PIPE SHALL NOT EXCEED 2 INCHES.

(5) OPENING TO BE ROD DIAMETER PLUS 1 INCH.

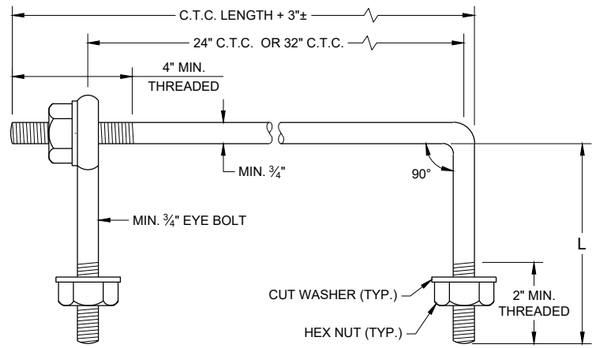
(6) LENGTH ADEQUATE TO EXTEND TO WITHIN ½ INCH OF THE INNER SURFACE OF THE PIPE.

(7) EYE BOLT LENGTH DETERMINED BY WALL THICKNESS, BELL THICKNESS AND BOLT PROJECTION INSIDE PIPE.

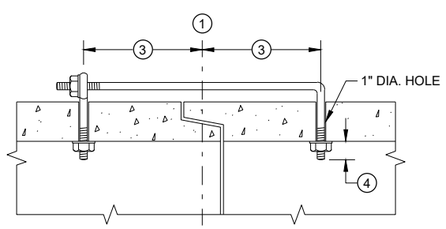


EYE BOLT (7)

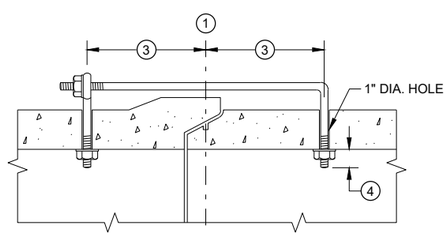
NOTE: TWO EYE BOLTS MAY BE USED WITH A 30" OR 38" LONG THREADED ROD IN LIEU OF THE 90° BENT TIE ROD.



EYE BOLT AND TIE ROD



(TONGUE AND GROOVE PIPE)



(MODIFIED BELL PIPE)

LONGITUDINAL SECTION

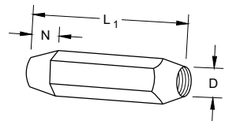
(JOINT TIES FOR 18" TO 66" DIA. CONCRETE PIPE)

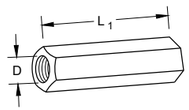
EYE BOLT AND TIE ROD ASSEMBLY (ALTERNATE NO. 2)

ADJUSTABLE TIE ROD TABLE

PIPE DIAMETER	TIE ROD DIAMETER	D	L_1	N
12 - 60	⅝	⅝	5	½
66 - 84	¾	¾	5	½
90 - 144	1	1	7	1 7/16

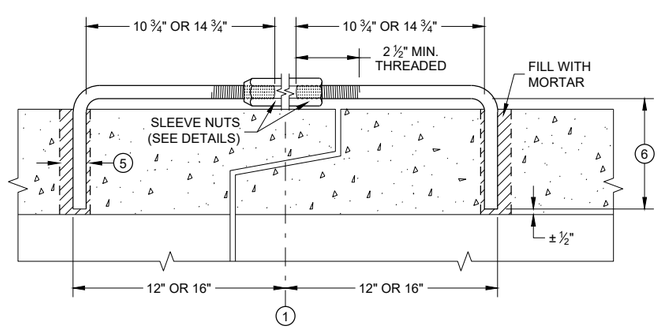
DIMENSIONS SHOWN ARE IN INCHES





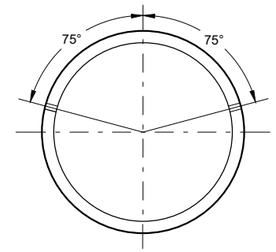
RIGHT AND LEFT THREADS

SLEEVE NUTS



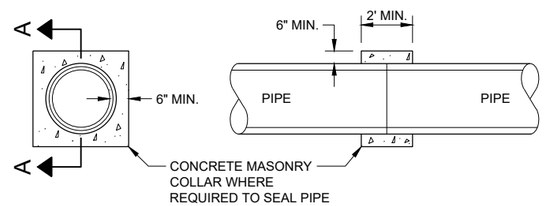
LONGITUDINAL SECTION

ADJUSTABLE TIE ROD (ALTERNATE NO. 3)



PLACEMENT OF (2) CAST-IN-PLACE INSERTS OR HOLES DURING FABRICATION FOR PIPE SECTIONS REQUIRING TIE RODS

TRANSVERSE SECTION



SECTION A - A

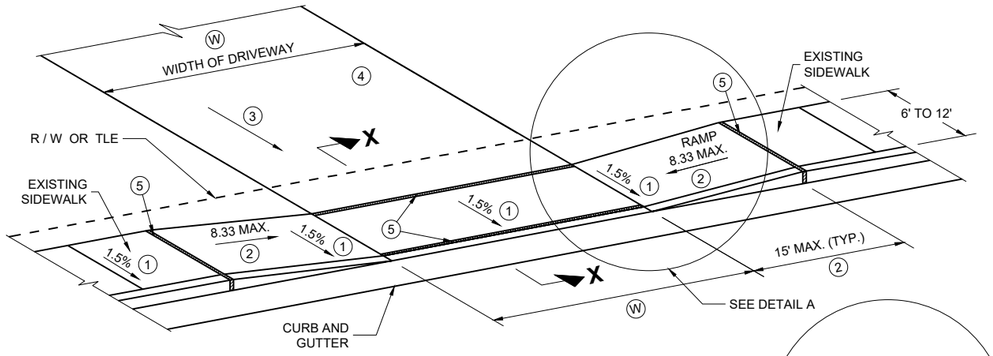
CONCRETE COLLAR DETAIL

JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL

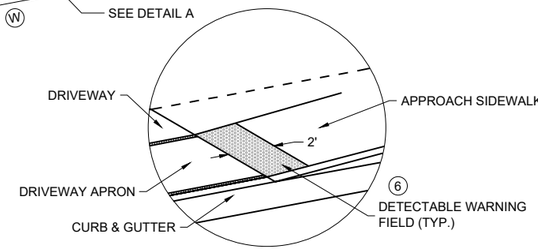
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2021
DATE
/S/ Rodney Taylor
ROADWAY STANDARDS DEVE ENGINEER
FHWA

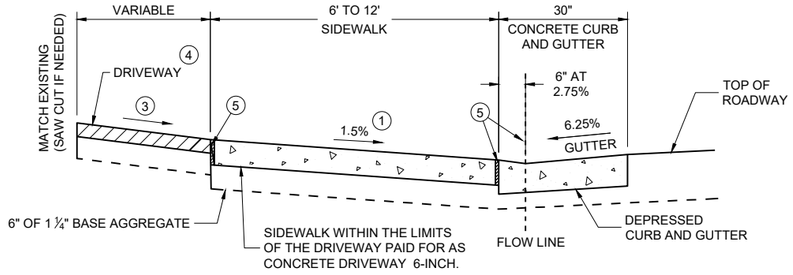
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SDD 08F04 - 08



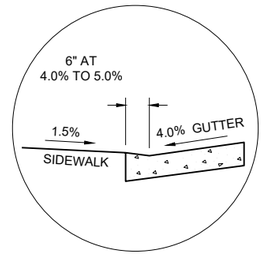
TYPE X
SIDEWALK ABUTS CURB AND GUTTER
TERRACE VARIES 0 TO 3 FEET



DETAIL A



SECTION X - X

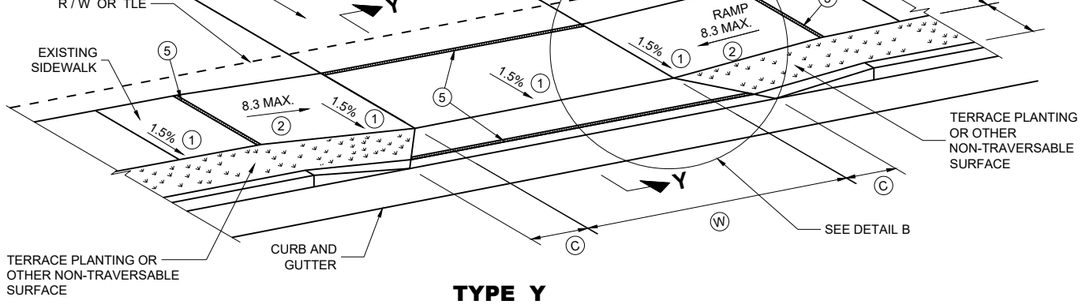


SECTION X - X
4% GUTTER SLOPE

Ⓦ : DRIVEWAY WIDTHS (MEASURED AT ROW LINE)
- ~ COMMERCIAL & INDUSTRIAL 16' MIN. - 35' MAX.
- ~ RESIDENTIAL & AGRICULTURAL (NONCOMMERCIAL) 16' MIN. - 24' MAX.

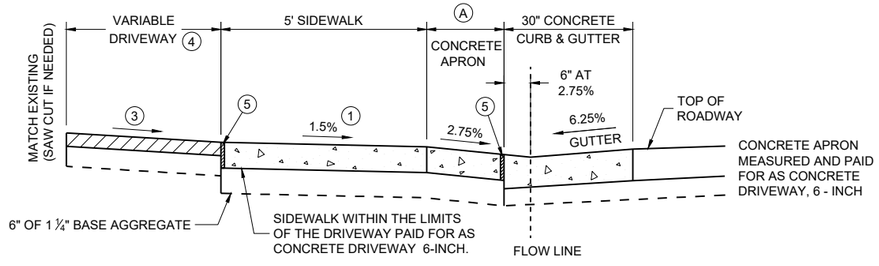
TABLE Y

Ⓐ FEET	Ⓒ FEET
3.5'	2.0'
4.5'	3.0'
5.5'	3.5'



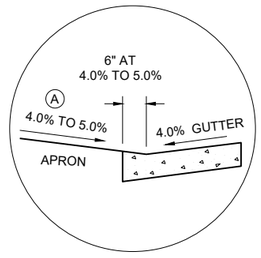
TYPE Y
SIDEWALK WITH NARROWER TERRACE
TERRACE VARIES 4 TO 6 FEET

Ⓐ:MEASURE FROM BACK OF CURB



NOTE: SIDEWALK MY BE DEPRESSED IN DRIVEWAY AREAS

SECTION Y - Y



SECTION Y - Y
4% GUTTER SLOPE

DRIVEWAY DETAIL WITH CONCRETE CURB AND GUTTER
(URBAN AND SUBURBAN)

GENERAL NOTES

PROVIDE CONSTRUCTION JOINTS ALONG THE CENTER OF THE CONCRETE FOR DRIVEWAYS UNDER 20 FEET IN WIDTH AND AT THE THIRD POINTS OVER 20 FEET IN WIDTH.

Ⓦ IS SHOWN ON PLAN AND PROFILE SHEETS.

OFFSETS, ELEVATIONS, AND PERCENT GRADE ARE SHOWN ON THE CROSS SECTIONS.

① CONSTRUCTION TOLERANCE OF 0.5%± FOR SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2.1%.

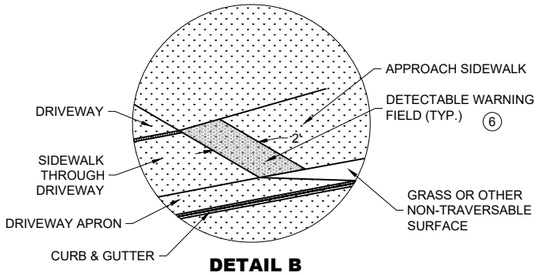
② THE SIDEWALK RAMP MAXIMUM RUNNING SLOPE SHALL NOT REQUIRE THE RAMP LENGTH TO EXCEED 15 FEET TO AVOID CHASING THE SLOPE INDEFINITELY WHEN CONNECTING TO STEEP GRADES. WHEN APPLYING THE 15 FOOT MAXIMUM LENGTH, THE RUNNING SLOPE OF THE SIDEWALK SHALL BE AS FLAT AS FEASIBLE AND NOT EXCEED THE LONGITUDINAL GRADE OF THE ROADWAY. SLOPE SIDEWALK RAMP TOWARD APRON AS SHOWN WHERE THERE IS NO TERRACE OR WHERE THE TERRACE WIDTH IS LESS THAN 6 FEET WIDE.

③ DRIVEWAY SLOPES: DESIRABLE MAXIMUM
10.5% UP AWAY FROM SIDEWALK (SAG)
8.5% DOWN AWAY FROM SIDEWALK (CREST)
ABSOLUTE MAXIMUM 15% FOR BOTH CREST AND SAG

④ DRIVEWAY TYPES
- * 6-INCH CONCRETE DRIVEWAY PAVEMENT OVER 6-INCH BASE AGGREGATE
- * 2-INCH TO 3-INCH ASPHALTIC SURFACE OVER 6-INCH BASE AGGREGATE
- * 6-INCH BASE AGGREGATE (MAY BE INCREASED FOR CLAY SUBGRADES.)

⑤ 1/2" EXPANSION JOINT FILLER

⑥ DETECABLE WARNING FIELDS ARE REQUIRED WHEN A PEDESTRIAN CIRCULATION ROUTE CROSSES A DRIVEWAY THAT IS TRAFFIC SIGNAL, STOP, OR YIELD SIGN CONTROLLED. DETECTABLE WARNING FIELDS TO BE 2 FT DEEP AND EXTEND THE WIDTH OF THE PEDESTRIAN CIRCULATION ROUTE.



DETAIL B

DRIVEWAY AND SIDEWALK RAMPS TYPES X AND Y

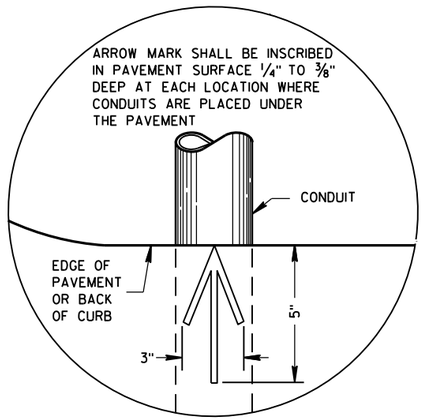
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2025 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR

FHWA

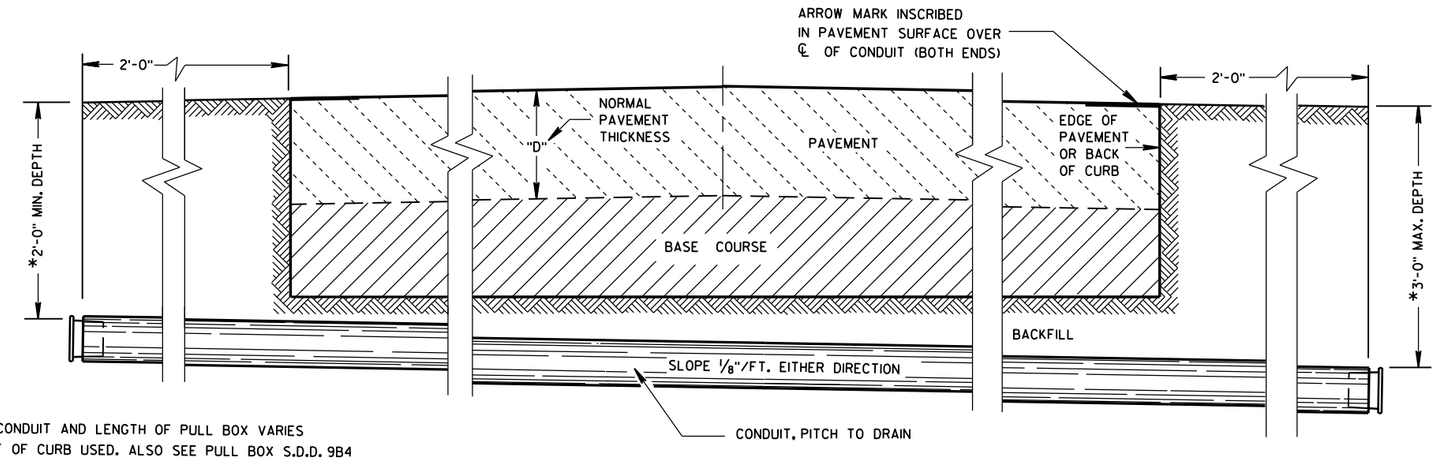
SDD 09A11-01

SDD 09A11-01



PLAN VIEW

ARROW MARK



*DEPTH OF CONDUIT AND LENGTH OF PULL BOX VARIES WITH HEIGHT OF CURB USED. ALSO SEE PULL BOX S.D.D. 9B4

SIDE ELEVATION

DETAIL FOR CONDUIT UNDER PAVED HIGHWAYS

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

METALLIC (STANDARD SPECIFICATION 652.2.2) OR NONMETALLIC (STANDARD SPECIFICATION 652.2.3) CONDUIT SHALL BE FURNISHED AND PLACED AS SHOWN.

DEPTH OF CONDUIT INSTALLED BELOW THE TRAVELED WAY SHALL BE 24 INCHES MINIMUM AND 36 INCHES MAXIMUM.

DEPTH OF CONDUIT INSTALLED THAT IS NOT BELOW THE TRAVELED WAY SHALL BE 18 INCHES MINIMUM AND 36 INCHES MAXIMUM.

ANY EXCEPTION TO THE MAXIMUM DEPTH SHALL BE ONLY WITH THE WRITTEN APPROVAL OF THE ENGINEER.

THE TRENCH SHALL NOT BE BACKFILLED PRIOR TO INSPECTION OF THE CONDUIT.

ALL METALLIC CONDUIT RACEWAY ENDS SHALL BE REAMED AND THREADED.

ALL METALLIC CONDUIT IN WHICH WIRE OR CABLE IS TO BE INSTALLED SHALL BE BUSHED WITH APPROVED THREADED BUSHINGS BEFORE INSTALLATION OF THE WIRE OR CABLE.

ALL METALLIC CONDUITS IN WHICH WIRE OR CABLE IS NOT TO BE INSTALLED SHALL BE CAPPED WITH THREADED PROTECTIVE CAPS, AS APPROVED BY THE ENGINEER.

ALL NONMETALLIC CONDUIT SHALL BE CAPPED OR PLUGGED IMMEDIATELY AFTER INSTALLATION AND SHALL REMAIN CAPPED OR PLUGGED UNTIL WIRE/CABLES ARE INSTALLED.

NONMETALLIC CONDUITS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED SHALL REMAIN CAPPED OR PLUGGED.

BENDING OF PVC ELECTRICAL CONDUIT SHALL BE ACCOMPLISHED BY USING A BLANKET OR EMERSION TYPE TANK DESIGNED FOR THE PURPOSE OF BENDING PVC ELECTRICAL CONDUIT.

ALL CUT ENDS SHALL BE TRIMMED INSIDE AND OUTSIDE TO REMOVE ALL ROUGH EDGES ON NONMETALLIC CONDUIT. (SEE NEC 347.5)

WHEN REQUIRED TO CONNECT NONMETALLIC CONDUIT TO METALLIC CONDUIT, ONLY U.L. LISTED ADAPTER FITTINGS SHALL BE USED.

PRIOR TO CONDUIT ACCEPTANCE, CONDUIT CAPS OR PLUGS SHALL BE REMOVED, AND THE CAPS, PLUGS AND CONDUIT ENDS SHALL BE THOROUGHLY CLEANED AND THEN THE CAPS OR PLUGS REINSTALLED TO ENSURE THAT THE CAPS OR PLUGS CAN BE EASILY REMOVED IN THE FUTURE.

ALL CONDUIT BEING FURNISHED AND INSTALLED SHALL HAVE THE U.L. LABEL FIRMLY ATTACHED.

CONDUIT RUNS SHALL BE THE SAME SIZE OF CONDUIT FROM ONE END TO THE OTHER (FROM PULL BOX TO PULL BOX-OR-JUNCTION BOX TO JUNCTION BOX-OR-BASE TO BASE, ETC.).

TRACER WIRE SHALL BE INSTALLED AS STATED IN THE STANDARD SPECIFICATION, ITEM 652.3.1.1.

ALL CONDUIT RUNS SHALL BE STRAIGHT (WITHOUT BENDS) FROM PULL BOX TO PULL BOX, PULL BOX TO BASE AND BASE TO BASE AS SHOWN ON THE PLANS.

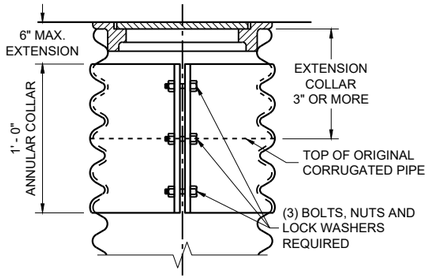
CONDUIT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

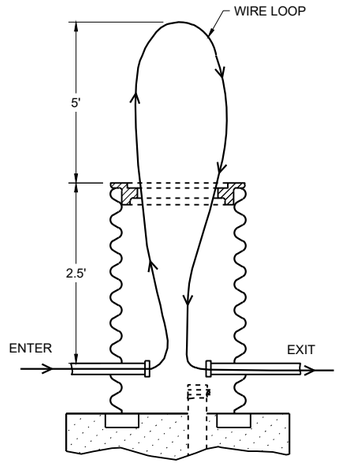
APPROVED
March, 2017 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL 855
FHWA

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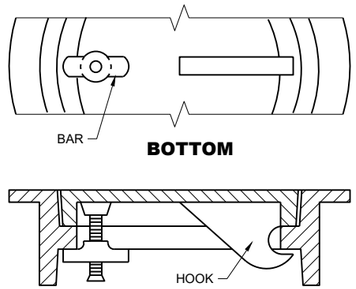
S.D.D. 9 B 2-10



CORRUGATED PIPE EXTENDER



MEASUREMENT DETAIL FOR WIRE/CABLE IN THE PULL BOX



BOTTOM

SECTION

ALTERNATE COVER (LOCKING)

TIGHTENING BAR TYPE

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

ALL FRAMES AND COVERS SHALL BE HEAVY DUTY TYPE, SUITABLE FOR VEHICULAR TRAFFIC LOADS.

PULL BOXES LOCATED IN THE ROADWAYS SHALL HAVE LOCKING COVERS.

ENTRANCE HOLES INTO PULL BOXES SHALL BE CUT WITH A CIRCULAR HOLE SAW OR HYDRAULIC CONDUIT PUNCH. HOLE SIZE SHALL BE THE OUTSIDE DIAMETER OF THE CONDUIT THAT IS TO FIT IN THE OPENING PLUS NO MORE THAN ¼".

THE CONTRACTOR SHALL NOT INSTALL WIRE IN ANY PULL BOX UNTIL ITS INSTALLATION HAS BEEN INSPECTED AND ACCEPTED BY THE ENGINEER.

GROUNDING LUGS (MECHANICAL CONNECTORS) SHALL BE U.L. LISTED AND APPROVED FOR USE WITH COPPER WIRE.

ALL METALLIC CONDUIT IN WHICH WIRE AND/OR CABLE IS TO BE INSTALLED, SHALL BE BUSHED BEFORE INSTALLATION OF THE WIRE AND/OR CABLE.

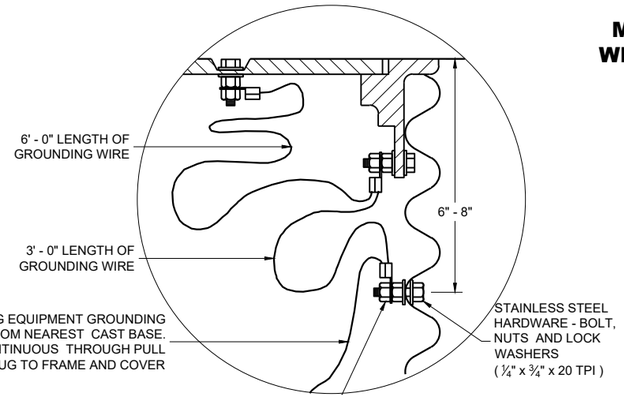
WHEN PULL BOXES ARE INSTALLED FOR FUTURE USE, DO NOT INSTALL THE EQUIPMENT GROUNDING LUG. THE EQUIPMENT GROUNDING LUG, THE EQUIPMENT GROUNDING ELECTRODE AND THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE REQUIRED AND INSTALLED UNDER A FUTURE WIRING CONTRACT.

TABLE OF NOMINAL DIMENSIONS AND WEIGHTS

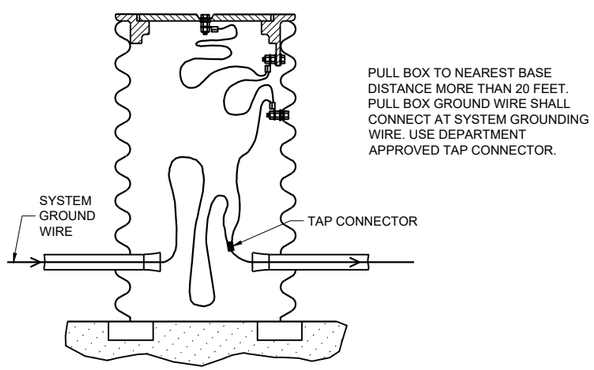
DIMENSION IN INCHES		CORRUGATED STEEL PIPE								
PIPE DIAMETER (INSIDE)	A	12	12	12	18	18	18	24	24	24
PIPE LENGTH **	B	24	30	36	24	30	36	36	42	48
WALL THICKNESS	C	0.064	0.064	0.064	0.064	0.064	0.064	0.064	0.064	0.064
COVER	D	10 ¼	10 ¼	10 ¼	16 ¼	16 ¼	16 ¼	22 ¼	22 ¼	22 ¼
FRAME	E	14 ½	14 ½	14 ½	20 ½	20 ½	20 ½	26 ½	26 ½	26 ½
FRAME	F	8 ½	8 ½	8 ½	14 ½	14 ½	14 ½	20 ½	20 ½	20 ½
FRAME	G	11 ½	11 ½	11 ½	17 ½	17 ½	17 ½	23 ½	23 ½	23 ½
WEIGHT IN POUNDS*										
FRAME AND COVER		60	60	60	110	110	110	155	155	155

*THE ACTUAL WEIGHT OF THE MANHOLE FRAME AND COVER MAY VARY WITHIN 5 PERCENT PLUS OR MINUS OF THE WEIGHTS SHOWN.

** NORMALLY USED LENGTHS. THE PROJECT ENGINEER SHALL DETERMINE IF PIPE LENGTHS, OTHER THAN THOSE SPECIFIED, SHALL BE USED, TO A MAXIMUM OF 48" (CONTINUOUS LENGTH, NON-SPLICED). THE ADDITIONAL LENGTH SHALL BE INCIDENTAL TO THE PULL BOX BID PRICE.

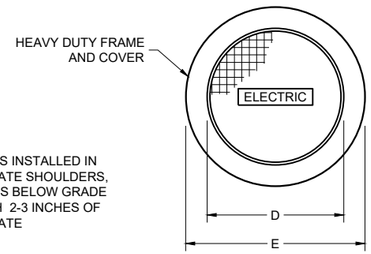


EQUIPMENT GROUNDING LUG AND LOCATION IN STEEL PULL BOXES

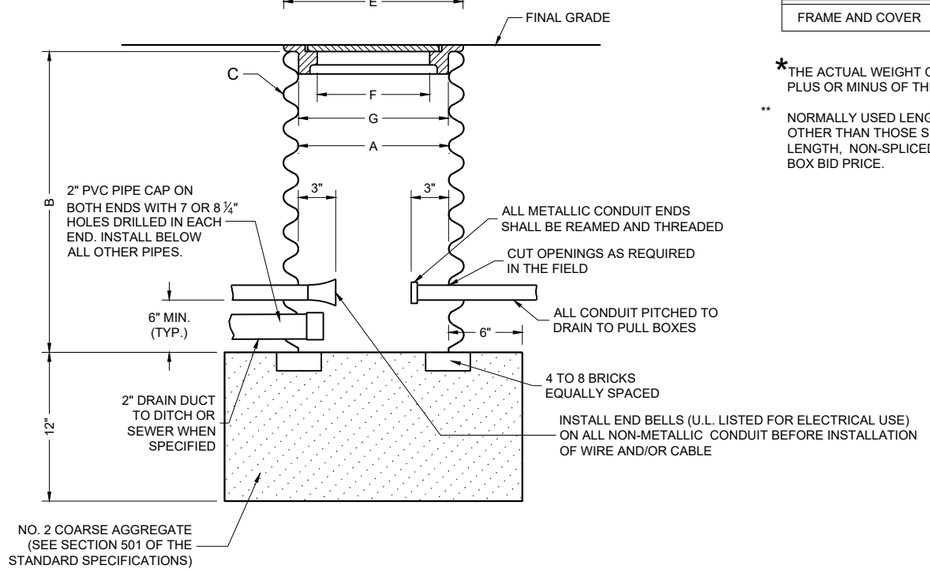


PULL BOX TO NEAREST BASE DISTANCE MORE THAN 20 FEET. PULL BOX GROUND WIRE SHALL CONNECT AT SYSTEM GROUNDING WIRE. USE DEPARTMENT APPROVED TAP CONNECTOR.

EQUIPMENT GROUNDING LUG AND LOCATION IN STEEL PULL BOXES



WHEN A PULL BOX IS INSTALLED IN CRUSHED AGGREGATE SHOULDERS, PLACE IT 2-3 INCHES BELOW GRADE AND COVER IT WITH 2-3 INCHES OF CRUSHED AGGREGATE



PULL BOX

PULL BOX

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2024 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL ENGINEER

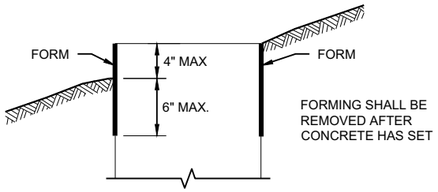
FHWA

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SDD 09B04-13

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FORM DEPTH SHALL BE NO MORE THAN 6" BELOW GRADE ON THE LOWER SIDE OF BASE



FORMING DETAIL

QUANTITY REQUIREMENTS	CONCRETE BASE TYPE		
	1	2	5 & 6
APPROX. CUBIC YARDS OF CONCRETE	0.40	0.57	0.40
LBS. OF HOOP BAR STEEL	NONE	23	16
LBS. OF VERTICAL BAR STEEL	NONE	60	18

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWINGSHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

BASES SHALL BE EXCAVATED BY USE OF A CIRCULAR AUGER.

TOP SURFACES OF CONCRETE BASES SHALL BE TROWEL FINISHED SMOOTH AND LEVEL.

CONDUIT SIZES AND LOCATIONS SHALL BE SHOWN ON THE PLANS

THE FINAL OR TERMINATING CONCRETE BASE IN A CONDUIT RUN SHALL HAVE A 6" EXIT STUB INSTALLED FOR FUTURE CABLING USE. THE EXIT STUB SHALL BE SIZED AS USED THROUGHOUT THE CONDUIT RUN AS SHOWN A THE ENTRANCE OF THE BASE.

ENDS OF CONDUIT INSTALLED BELOW GRADE FRO FUTURE USE SHALL BE CAPPED IF METALLIC OR PLUGGED IF NON-METALLIC.

MINIMUM BENDING RADIUS OF CONDUIT IS EQUAL TO 6X THE DIAMETER.

CONDUIT HEIGHT ABOVE CONCRETE BASES SHALL BE 1 INCH. ALL METALLIC CONDUIT ENDS SHALL BE REAMED AND THREADED.

ALL CONDUIT ENDS AT THE TOP OF CONCRETE BASES SHALL BE CAPPED IF METALLIC OR PLUGGED IF NON-METALLIC IMMEDIATELY AFTER PLACEMENT AND BEFORE CONCRETE IS POURED. CONDUITS IN WHICH WIRE OR CABLE IS NOT INSTALLED SHALL REMAIN CAPPED OR PLUGGED.

BELL ENDS SHALL BE INSTALLED ON ALL PVC CONDUIT EXPOSED AT THE TOP OF CONCRETE BASES BEFORE INSTALLATION.

WHEN REQUIRED TO CONNECT NON-METALLIC CONDUIT TO METALLIC CONDUIT, ONLY ADAPTER FITTINGS, U.L. LISTED FOR ELECTRICAL USE, SHALL BE USED.

IF A BASE REQUIRES A DEEP FORM BECAUSE OF LOOSE DIRT OR FILL, THE FORM SHALL BE REMOVED BEFORE BACKFILLING AROUND THE BASE. BACKFILL SHALL BE TAMPED TIGHT AGAINST THE BARE CONCRETE BASE IN LAYERS OF 1 FOOT OR LESS.

A NO. 4 AWG STRANDED COPPER EQUIPMENT GROUNDING CONDUCTOR SHALL BE EXOTHERMICALLY WELDED TO THE EQUIPMENT GROUNDING ELECTRODE (GROUND ROD) FOR TYPE 2, TYPE 5 AND TYPE 6 BASES.

THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE FURNISHED AND INSTALLED TO ENTER ALL BASE TYPES THROUGH A 1 INCH CONDUIT INSTALLED FOR GROUNDING PURPOSES, LEAVING A 4 FOOT COIL OF WIRE ABOVE THE CONCRETE BASE. THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE NEATLY COILED AND THE COILS TIED TOGETHER.

ANCHOR RODS SHALL BE THREADED 12" IN LENGTH ON EACH END OF THE ROD. ANCHOR RODS SHALL BE MANUFACTURED IN ACCORDANCE WITH SECTION 654.2.1 OF THE STANDARD SPECIFICATIONS.

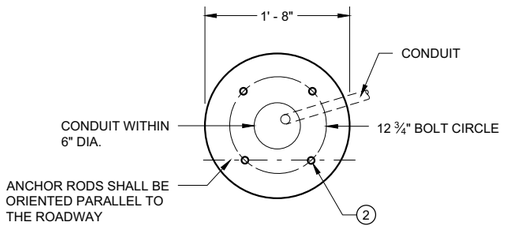
WASHERS AND LOCK WASHERS ARE REQUIRED ON ALL ANCHOR RODS.

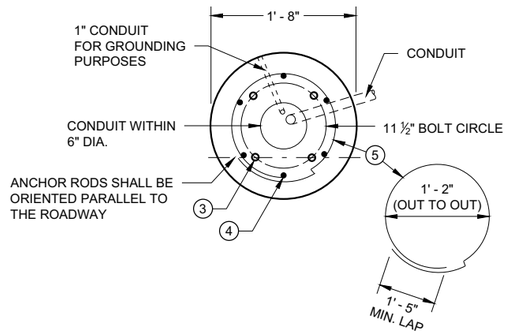
WHEN ANCHOR RODS USING THE ALTERNATE "L" BEND ARE FURNISHED, THE 4 INCH"L" BEND SHALL BE IN ADDITION TO THE SPECIFIED ANCHOR ROD BAR LENGTH. THE "L" BEND SHALL NOT BE THREADED.

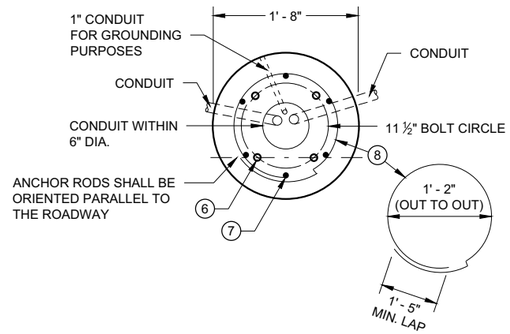
ANCHOR RODS SHALL BE INSTALLED WITH MISALIGNMENTS OF LESS THAN 1:40 FROM VERTICAL.

WELDING OF THE ANCHOR RODS TO THE CAGE IS UNACCEPTABLE. TIE WIRES SHALL BE USED.

BAR STEEL REINFORCEMENT SHALL BE COATED WITH POWDERED EPOXY RESIN IN ACCORDANCE WITH SECTION 505 OF THE STANDARD SPECIFICATIONS (LATEST EDITION).







1 THE MINIMUM DEPTH OF CONDUIT EXITING THE CONCRETE BASE AND INSTALLED BELOW THE TRAVELED WAY SHALL BE 24 INCHES. THE MINIMUM DEPTH OF CONDUIT EXITING THE CONCRETE BASE THAT IS NOT INSTALLED BELOW THE TRAVELED WAY SHALL BE 18 INCHES. THE MAXIMUM DEPTH OF ALL CONDUIT SHALL BE 36 INCHES EXCEPT WITH WRITTEN APPROVAL OF THE ENGINEER.

2 (4) 1" DIA. X 3' - 6" ANCHOR RODS.

3 (4) 1" DIA. X 5' - 0" ANCHOR RODS.

4 (6) NO. 6 X 6' - 8" BAR STEEL REINFORCEMENT.

5 (7) NO. 4 X 5' - 1" BAR STEEL REINFORCEMENT @ 1' - 0" C - C.

6 (4) 1" DIA. X 3' - 6" ANCHOR RODS.

7 (6) NO. 4 X 4' - 8" BAR STEEL REINFORCEMENT.

8 (5) NO. 4 X 5' - 1" BAR STELL REINFORCEMENT @ 1' - 0" C -C.

9 EXOTHERMIC CONNECTION TO EUIPMENT GROUNDING CONDUCTOR

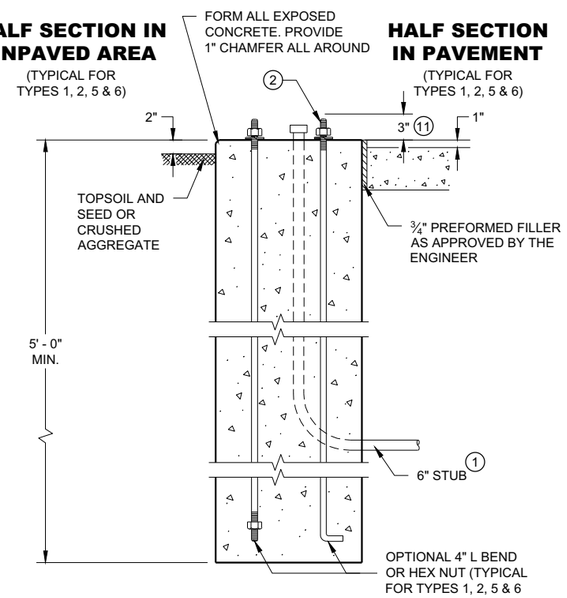
10 ⅝" DIA. X 8' -0" COPPERCLAD EQUIPMENT GROUNDING ELECTRODE REQUIRED

11 ANY ANCHOR ROD PROJECTION SHORTER THAN 2 ¾" OR LONGER THAN 3 ¼" SHALL REQUIRE THE BASE TO BE REMOVED AND REPLACED AT THE CONTRACTORS EXPENSE.

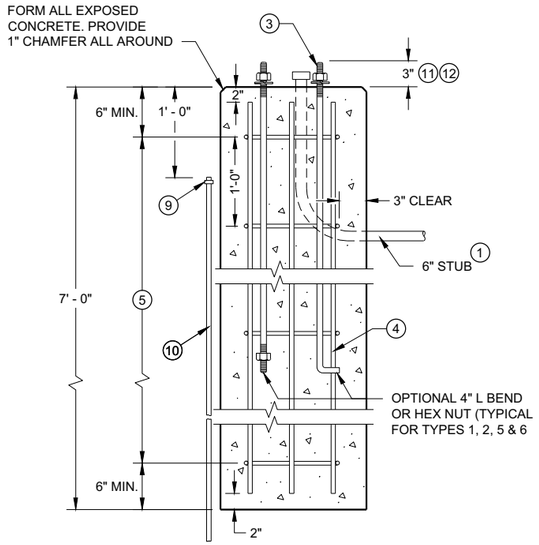
12 FOR NON - BREAKAWAY INSTALLATIONS, 4 ½" ± ANCHOR ROD PROJECTION WITH THE USE OF LEVELING NUTS. RODENT SCREEN REQUIRED.

HALF SECTION IN UNPAVED AREA
(TYPICAL FOR TYPES 1, 2, 5 & 6)

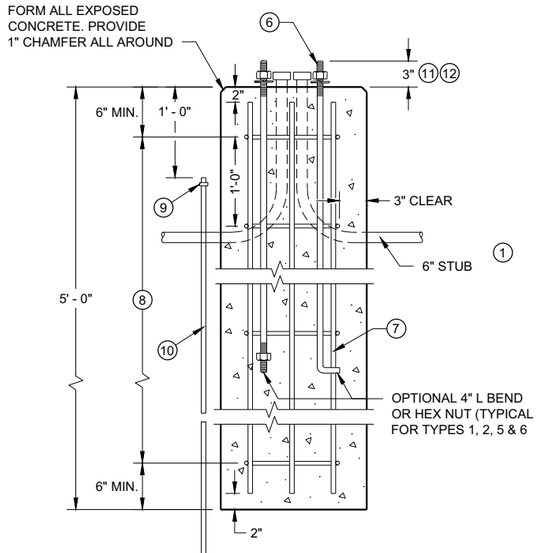
HALF SECTION IN PAVEMENT
(TYPICAL FOR TYPES 1, 2, 5 & 6)



TYPE 1



TYPE 2



TYPE 5 & 6

CONCRETE BASES

CONCRETE BASES
TYPES 1, 2, 5, & 6

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2019
DATE

/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI 857

FHWA

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

FOUR (4) BOLTS SHALL BE FURNISHED WITH EACH TRANSFORMER BASE. BOLTS SHALL BE 1" DIAMETER, 4" IN LENGTH, WITH WASHERS, LOCK WASHERS AND NUTS. BOLTS, NUTS AND WASHERS SHALL BE MANUFACTURED IN ACCORDANCE WITH SECTION 531.2.2 OF THE STANDARD SPECIFICATIONS.

LEVELING SHIMS, IF NEEDED, SHALL BE DESIGNED FOR THE PURPOSE AND USED UNDER CAST BASES WHEN PLUMBING POLES OR STANDARDS DURING INSTALLATION. THE USE OF WASHERS IN LIEU OF PROPER LEVELING SHIMS IS NOT ACCEPTABLE.

SHIM LENGTH SHALL BE LONG ENOUGH TO COMPLETELY COVER THE AREA UNDER THE LENGTH AND WIDTH OF THE BASE MOUNTING FLANGE.

DOUBLE NUTTING IS NOT ACCEPTABLE FOR LEVELING OR MOUNTING PURPOSES.

A NEMA APPROVED, U.L. LISTED, COPPER WITH BRASS OR STAINLESS STEEL SET SCREW, DIRECT BURY RATED, MECHANICAL CONNECTOR (LUG), SIZED TO ACCEPT AWG. #10 TO #4 COPPER STRANDED WIRE SHALL BE FURNISHED AND INSTALLED IN THE PEDESTAL AND TRANSFORMER BASES.

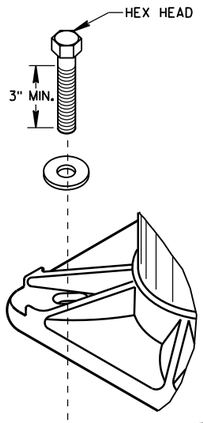
THE MECHANICAL CONNECTOR SHALL BE INSTALLED USING A 1/4" - 20 (TPI) STAINLESS STEEL HEX HEAD BOLT OF SUFFICIENT LENGTH TO FIRMLY ATTACH THE LUG TO THE BASE.

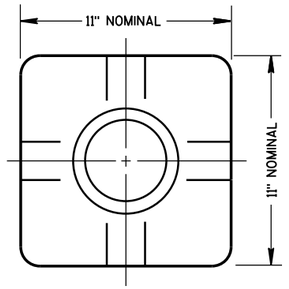
SHOULD THE MANNER OF ATTACHMENT OF THE LUG REQUIRE WASHERS, HEX NUTS, LOCK WASHER - THEY SHALL BE STAINLESS STEEL AS IS THE BOLT. THE MANNER OF ATTACHMENT SHALL NOT BLOCK ACCESSIBILITY TO WIRE PLACEMENT IN THE CONNECTOR.

PEDESTAL BASE COLLAR THREADING SHALL BE TAPERED AND IN ACCORDANCE WITH NATIONAL PIPE THREADING DIMENSIONS.

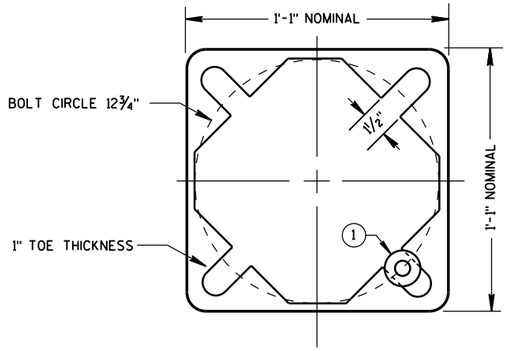
BASE COLLAR THREADING SHALL EXTEND INTO THE BASE COLLAR WITH SUFFICIENT DEPTH TO ACCEPT THE INSTALLATION OF TRAFFIC SIGNAL STANDARDS TO A DEPTH OF 1 1/2", THEN TIGHTENING TO A POINT OF BEING IMMOVABLE.

THE ACCESS DOOR SHALL BE OF THE SAME MATERIAL AS THE BASE.

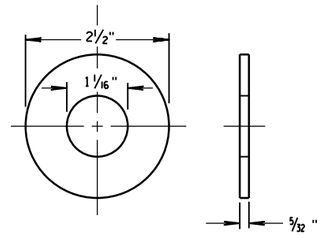




TOP VIEW
(PEDESTAL BASE)

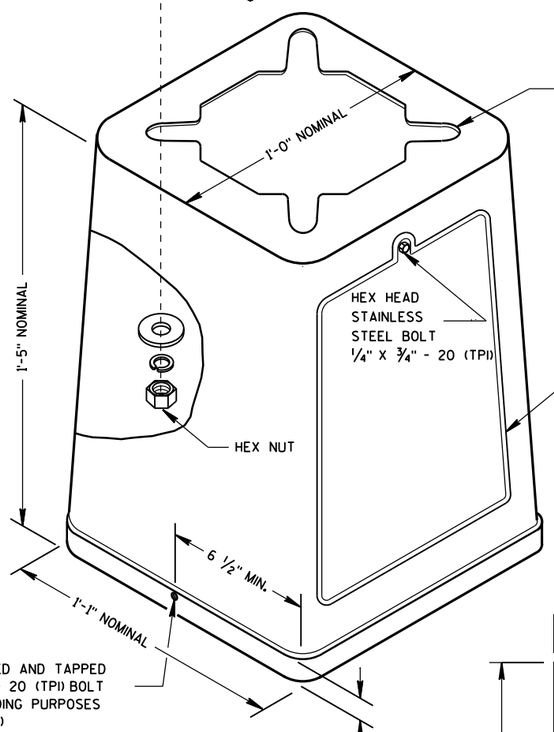


BOTTOM VIEW
(PEDESTAL BASE)

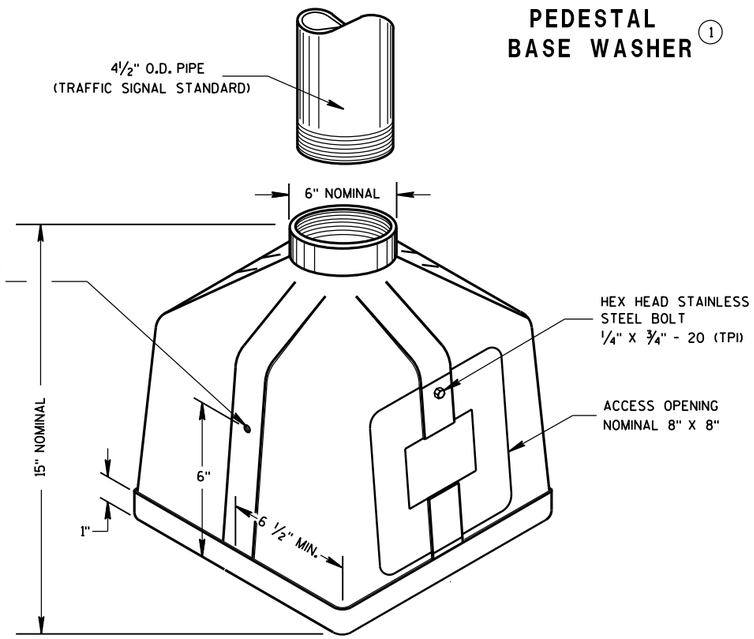


ZINC COATED STEEL WASHER
TO BE PROVIDED BY THE CONTRACTOR

PEDESTAL BASE WASHER (1)

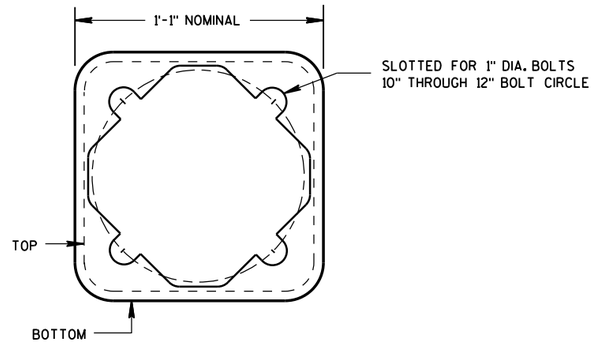


ISOMETRIC VIEW

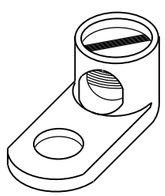


ISOMETRIC VIEW

PEDESTAL BASE



BOTTOM VIEW
(TRANSFORMER BASE)

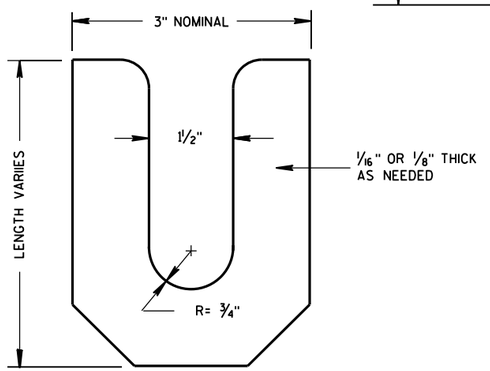


TYPICAL MECHANICAL CONNECTOR LUG

TO BE FURNISHED WITH EACH BASE

TRANSFORMER BASE

INTENDED FOR USE WITH TYPE 2, 3, 4, 5 & 6 POLES



LEVELING SHIM

TRANSFORMER/PEDESTAL BASES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept. 2014 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL 858
FHWA

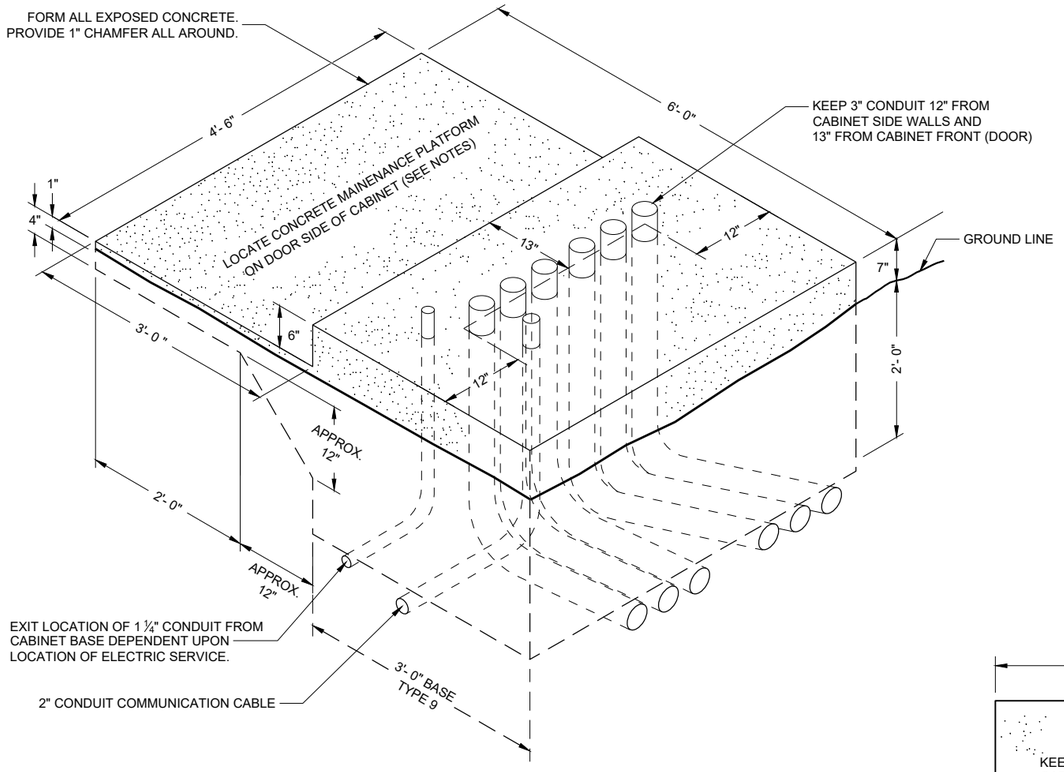
6

S.D.D. 9 C 3-4

6

S.D.D. 9 C 3-4

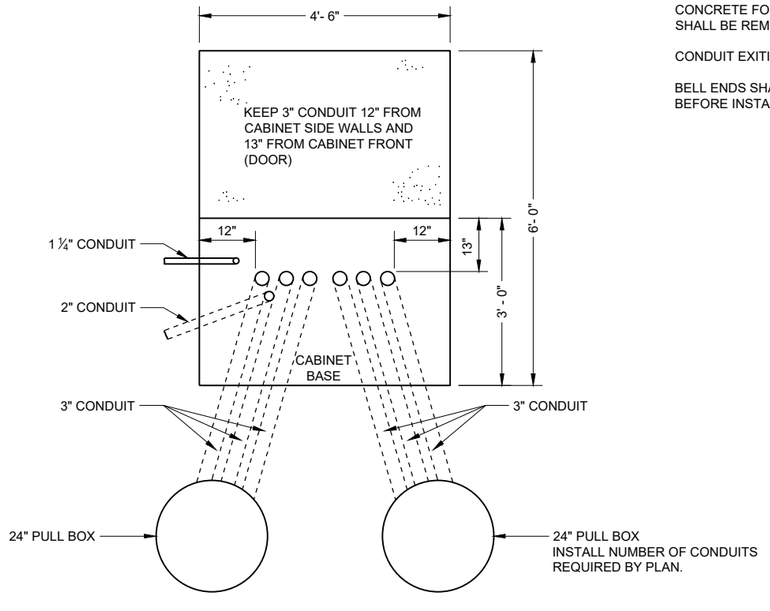
SDD 09C06 Concrete Control Cabinet Base, Type 9, Special



ISOMETRIC VIEW

TYPE 9 SPECIAL

(C.Y. CONCRETE = APPROX. 1.56)



PLAN VIEW

CONCRETE CONTROL CABINET BASE, TYPE 9 SPECIAL

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

INSTALL FOUR INCH MINIMUM DIAMETER X 4 INCH MINIMUM LENGTH STAINLESS STEEL APPROVED CONCRETE MASONRY ANCHORS WITH A PULLOUT STRENGTH OF 9,000 LBS. TO ANCHOR THE CABINET TO TYPE 6, 7, 8, AND 9 BASES. THE ANCHOR STUDS SHALL BE LOCATED AS DIRECTED BY THE ENGINEER TO PROPERLY ANCHOR THE CONTROL CABINET TO THE BASE.

WHEN REQUIRED TO CONNECT NON - METALLIC CONDUIT TO METALLIC CONDUIT, ONLY ADAPTER FITTINGS, U. L. LISTED FOR ELECTRICAL USE, SHALL BE USED.

CONDUIT HEIGHT ABOVE THE CONCRETE BASE SHALL BE 1 INCH.

DEPTH OF CONDUIT INSTALLED BELOW THE TRAVELED WAY SHALL BE 24 INCHES MINIMUM AND 36 INCHES MAXIMUM.

DEPTH OF CONDUIT INSTALLED THAT IS NOT BELOW THE TRAVELED WAY SHALL BE 18 INCHES MINIMUM AND 36 INCHES MAXIMUM.

ANY EXCEPTION TO THE MAXIMUM DEPTH SHALL BE ONLY WITH THE WRITTEN APPROVAL OF THE ENGINEER.

CONTROL CABINET BASE TOP SURFACE SHALL BE TROWEL FINISHED SMOOTH AND LEVEL.

MAINTENANCE PLATFORM SHALL BE FLOAT OR BROOM FINISHED AND LEVEL.

MAINTENANCE PLATFORMS ARE NOT REQUIRED WHEN THE SURROUNDING AREA IS PAVED.

MINIMUM BENDING RADIUS OF CONDUIT EQUALS 6 TIMES THE DIAMETER.

ALL METALLIC CONDUIT ENDS SHALL BE REAMED AND THREADED.

CAP ALL BELOW GRADE METALLIC CONDUIT ENDS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED.

PLUG ALL BELOW GRADE NON - METALLIC CONDUIT ENDS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED.

ALL CONDUIT ENDS AT THE TOP OF CONCRETE BASES SHALL BE CAPPED IF METALLIC OR PLUGGED IF NON - METALLIC IMMEDIATELY AFTER PLACEMENT AND BEFORE CONCRETE IS POURED. CONDUITS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED SHALL REMAIN CAPPED OR PLUGGED.

CONCRETE FORM DEPTH BELOW FINISHED GRADE SHALL BE 6 INCHES MAXIMUM. CONCRETE FORMS SHALL BE REMOVED AFTER CONCRETE HAS SET.

CONDUIT EXITING THE CONCRETE BASE (SIX 3") SHALL TERMINATE IN PULL BOXES AS SHOWN ON THE PLANS.

BELL ENDS SHALL BE INSTALLED ON ALL PVC CONDUIT EXPOSED AT THE TOP OF THE CONCRETE BASE BEFORE INSTALLATION OF CABLE OR WIRE.

CONCRETE CONTROL CABINET BASE TYPE 9, SPECIAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
September 2014
DATE

/S/ Ahmet Demerbilek
STATE ELECTRICAL ENGI 859

FHWA

6
SDD 09C06 - 07

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

BASES (SHAFT) SHALL BE EXCAVATED BY THE USE OF A CIRCULAR AUGER. IF BASE REQUIRES A DEEP FORM BECAUSE OF LOOSE SOIL, THE FORM SHALL BE REMOVED BEFORE BACKFILLING. A STEEL CASING OR CORRUGATED METAL PIPE IS ALLOWED TO REMAIN. BACKFILL SHALL BE TAMPED TIGHT AGAINST THE BASE IN LAYERS OF ONE FOOT OR LESS.

TOP SURFACE OF THE CONCRETE BASE SHALL BE TROWEL FINISHED AND LEVEL.

ANCHOR RODS SHALL BE INSTALLED WITH MISALIGNMENTS OF LESS THAN 1:40 FROM VERTICAL.

BAR STEEL REINFORCEMENT SHALL BE COATED WITH POWDERED EPOXY RESIN IN ACCORDANCE WITH SECTION 505 OF THE STANDARD SPECIFICATIONS (LATEST EDITION).

WELDING OF ANCHOR RODS TO THE CAGE IS UNACCEPTABLE. TEMPLATES SHALL BE USED.

CONDUIT SIZES AND LOCATIONS SHALL BE SHOWN ON THE PLANS.

MINIMUM BENDING RADIUS OF CONDUIT IS EQUAL TO 6 TIMES THE DIAMETER.

CONDUIT HEIGHT ABOVE CONCRETE BASES SHALL BE 4" INCHES. ALL METALLIC CONDUIT ENDS SHALL BE REAMED AND THREADED. NON-METALLIC CONDUIT SHALL HAVE BELL ENDS INSTALLED. ALL CONDUIT SHALL SLOPE TO PULL BOX.

ALL CONDUIT ENDS AT THE TOP OF CONCRETE BASES SHALL BE CAPPED IF METALLIC OR PLUGGED IF NON-METALLIC IMMEDIATELY AFTER PLACEMENT AND BEFORE CONCRETE IS POURED. CONDUITS IN WHICH WIRE OR CABLE IS NOT INSTALLED SHALL REMAIN CAPPED OR PLUGGED.

BELL ENDS SHALL BE INSTALLED ON ALL PVC CONDUIT EXPOSED AT THE TOP OF CONCRETE BASES BEFORE INSTALLATION OF CABLE OR WIRE.

WHEN REQUIRED TO CONNECT NON-METALLIC CONDUIT TO METALLIC CONDUIT, ONLY ADAPTER FITTINGS, U.L. LISTED FOR ELECTRICAL USE, SHALL BE USED.

ENDS OF CONDUIT INSTALLED BELOW GRADE FOR FUTURE USE SHALL BE CAPPED IF METALLIC OR PLUGGED IF NONMETALLIC.

A NO. 4 AWG STRANDED COPPER EQUIPMENT GROUNDING CONDUCTOR SHALL BE EXOTHERMICALLY WELDED TO THE EQUIPMENT GROUNDING ELECTRODE (GROUND ROD).

THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE FURNISHED AND INSTALLED TO ENTER THE BASE THROUGH A 1 INCH CONDUIT INSTALLED FOR GROUNDING PURPOSES, LEAVING A 4 FOOT COIL OF WIRE ABOVE THE CONCRETE BASE. THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE NEATLY COILED AND THE COILS TIED TOGETHER.

THE FINAL OR TERMINATING CONCRETE BASE IN A CONDUIT RUN SHALL HAVE A 6" EXIT STUB INSTALLED FOR FUTURE CABLING USE. THE EXIT STUB SHALL BE SIZED AS USED THROUGHOUT THE CONDUIT RUN AS SHOWN A THE ENTRANCE OF THE BASE.

(1) THE MINIMUM DEPTH OF CONDUIT EXITING THE CONCRETE BASE AND INSTALLED BELOW THE TRAVELED WAY SHALL BE 24 INCHES. THE MINIMUM DEPTH OF CONDUIT EXITING THE CONCRETE BASE THAT IS NOT INSTALLED BELOW THE TRAVELED WAY SHALL BE 18 INCHES. THE MAXIMUM DEPTH OF ALL CONDUIT SHALL BE 36 INCHES (GREATER THAN 36 INCHES IF INSTALLED IN BREAKER RUN) EXCEPT WITH WRITTEN APPROVAL OF THE ENGINEER.

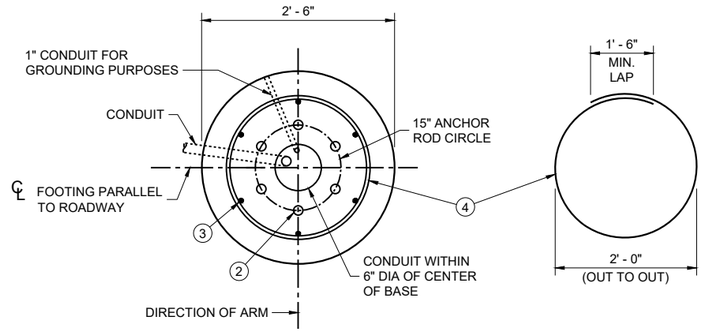
(2) (6) 1 ½ DIA. X 4' - 4" ANCHOR RODS

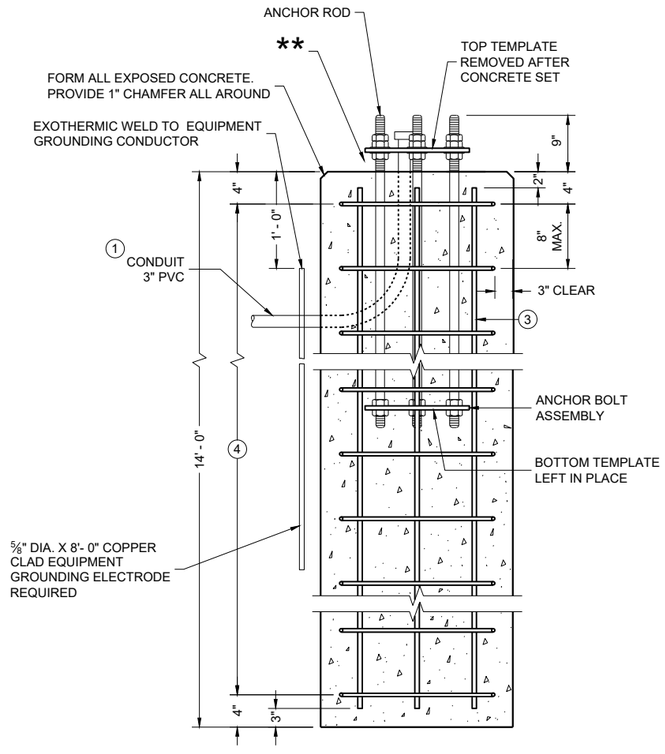
(3) (6) NO. 6 X 13' - 7" BAR STEEL REINFORCEMENT.

(4) (21) NO. 5 X 7'-10" BAR STEEL REINFORCEMENT @ 8" MAX. C-C.

CONCRETE MASONRY.....fc = 3,500 p.s.i
HIGH STRENGTH BAR STEEL REINFORCEMENT, GRADE 60.....fy = 60,000 p.s.i.
ANCHOR RODS, ASTM F1554 GRADE 55 (IN ACCORDANCE .....fy = 55,000 p.s.i.
WITH SECTION 531.2.2 OF THE STANDARD SPECIFICATION)
TEMPLATES, ASTM A709, GRADE 36.....fy = 36,000 p.s.i.

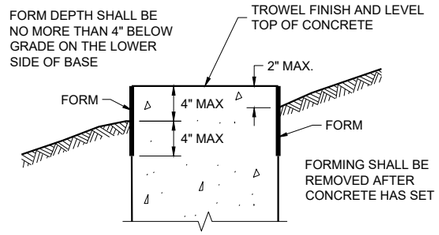
QUANTITY REQUIREMENTS	
APPROX. CUBIC YARDS OF CONCRETE	2.5
LBS. OF HOOP BAR STEEL	172
LBS. OF VERTICAL BAR STEEL	122



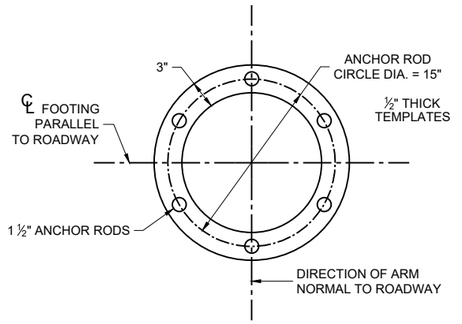


CONCRETE BASE, TYPE 10 SPECIAL OVER HEIGHT (FOR OVER HEIGHT TYPE 9 & OVER HEIGHT TYPE 10 SPECIAL POLES ONLY)

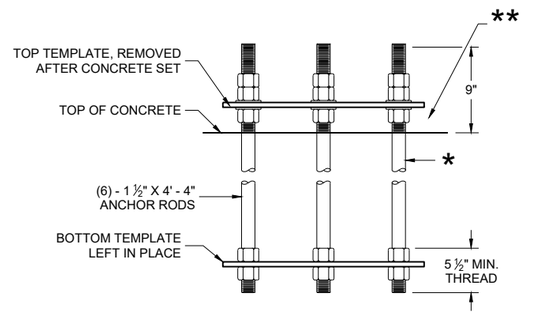
TO BE USED WHEN GROUND ELEVATION AT BASE EQUALS OR IS GREATER THAN HIGH POINT OF ROADWAY ELEVATION. SEE SDD 9C13 WHEN GROUND ELEVATION AT BASE IS LOWER THAN HIGH POINT OF ROADWAY ELEVATION.



FORMING DETAIL



TOP AND BOTTOM TEMPLATE



ANCHOR ROD ASSEMBLY DETAILS

* THREAD TOP 10" OF ANCHOR ROD FOR 3 NUTS AND 2 WASHERS AND BOTTOM 5 ½" FOR 2 NUTS PER ANCHOR ROD. HOT DIP GALVANIZE THE ENTIRE LENGTH OF THE ANCHOR ROD (ASTM A123) AND HOT DIP NUTS AND WASHERS (ASTM A153. USE ZINC COATED NUTS MANUFACTURED WITH SUFFICIENT ALLOWANCE TO ALLOW NUTS TO RUN FREELY ON THE THREADS.

** RODENT PROTECTION REQUIRED

CONCRETE BASE TYPE 10

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2025 — DATE
/S/ Ahmet Demerbilek — WIND LOADED STRUCTURES PROGRAM LEADER
FHWA

6
SDD 09C11-11

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

BASES (SHAFT), BELOW THE WING, SHALL BE EXCAVATED BY THE USE OF A CIRCULAR AUGER. IF A BASE REQUIRES A DEEP FORM BECAUSE OF LOOSE SOIL, THE FORM SHALL BE REMOVED BEFORE BACKFILLING AROUND THE BASE. BACKFILL SHALL BE TAMPED TIGHT AGAINST THE BARE CONCRETE BASE IN LAYERS OF 1 FOOT OR LESS.

TOP SURFACE OF THE CONCRETE BASE SHALL BE TROWEL FINISHED AND LEVEL.

USE 3" CLEAR FOR ALL REINFORCEMENT UNLESS NOTED OTHERWISE.

BENDING DIMENSIONS FOR REINFORCING BARS ARE OUT TO OUT.

BAR STEEL REINFORCEMENT SHALL BE COATED WITH POWDERED EPOXY RESIN IN ACCORDANCE WITH SECTION 505 OF THE STANDARD SPECIFICATIONS.

ANCHOR RODS SHALL BE INSTALLED WITH MISALIGNMENTS OF LESS THAN 1:40 FROM VERTICAL.

WELDING OF ANCHOR RODS TO THE CAGE IS UNACCEPTABLE. TEMPLATES SHALL BE USED.

ORIENT ANCHOR RODS IN FOOTING AND PROVIDE ANCHOR ROD PROJECTION ABOVE TOP OF CONCRETE FOOTING BASE PER THIS SHEET.

CONDUIT SIZE AND LOCATIONS SHALL BE AS SHOWN ON THE PLANS.

MINIMUM BENDING RADIUS OF CONDUIT IS EQUAL TO 6 X THE DIAMETER.

CONDUIT HEIGHT ABOVE CONCRETE BASE SHALL BE 4 ½ INCHES. ALL METALLIC CONDUIT ENDS SHALL BE REAMED AND THREADED. NONMETALLIC CONDUIT SHALL HAVE BELL ENDS INSTALLED. ALL CONDUIT SHALL SLOPE TO PULL BOX.

ALL CONDUIT ENDS AT THE TOP OF CONCRETE BASES SHALL BE CAPPED IF METALLIC OR PLUGGED IF NONMETALLIC IMMEDIATELY AFTER PLACEMENT AND BEFORE CONCRETE IS POURED. CONDUITS IN WHICH WIRE OR CABLE IS NOT INSTALLED SHALL REMAIN CAPPED OR PLUGGED.

BELL ENDS SHALL BE INSTALLED ON ALL PVC CONDUIT EXPOSED AT THE TOP OF CONCRETE BASES BEFORE INSTALLATION OF CABLE OR WIRE.

WHEN REQUIRED TO CONNECT NONMETALLIC CONDUIT TO METALLIC CONDUIT, ONLY ADAPTOR FITTINGS, U.L. LISTED FOR ELECTRICAL USE, SHALL BE USED.

A NO. 4 AWG, STRANDED COPPER EQUIPMENT GROUNDING CONDUCTOR SHALL BE EXOTHERMICALLY WELDED TO THE EQUIPMENT GROUNDING ELECTRODE (GROUND ROD).

THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE FURNISHED AND INSTALLED TO ENTER THE BASE THROUGH A 1-INCH CONDUIT INSTALLED FOR GROUNDING PURPOSES, LEAVING A 4-FOOT COIL OF WIRE ABOVE THE CONCRETE BASE, THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE NEATLY COILED AND THE COILS TIED TOGETHER.

THE CONTRACTOR IS RESPONSIBLE FOR MAKING HIS OWN DETERMINATION AS TO THE TYPE AND LOCATION OF THE UNDERGROUND UTILITIES AS MAY BE NECESSARY TO AVOID DAMAGE THERETO.

(1) THE MINIMUM DEPTH OF CONDUIT EXITING THE CONCRETE BASE AND INSTALLED BELOW THE TRAVEL WAY SHALL BE 24-INCHES. THE MINIMUM DEPTH OF CONDUIT EXITING THE CONCRETE BASE THAT IS NOT INSTALLED BELOW THE TRAVELED WAY SHALL BE 18-INCHES. THE MAXIMUM DEPTH OF ALL CONDUIT SHALL BE 36-INCHES, (GREATER THAN 36-INCHES IF INSTALLED IN BREAKER-RUN), EXCEPT WITH THE WRITTEN APPROVAL OF THE ENGINEER.

(2) (6) 1 ¾" DIA. X 7' - 2" ANCHOR RODS

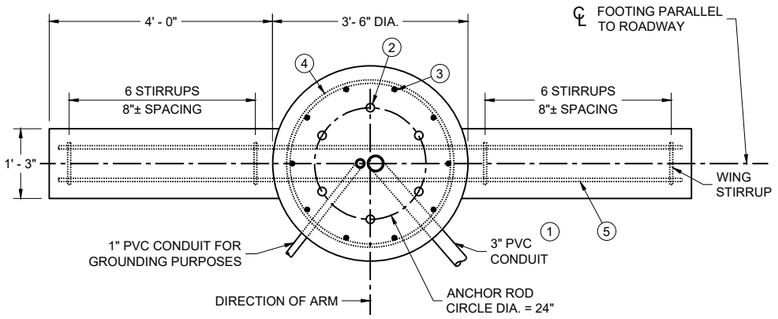
(3) (10) NO. 6 X 14' - 1" BAR STEEL VERTICAL REINFORCEMENT.

(4) (22) NO. 5 X 11'- 0" BAR STEEL REINFORCEMENT @ 8" MAX. C-C.

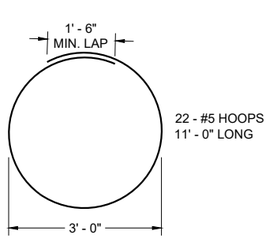
(5) (10) NO. 5 X 11' - 0" BAR STEEL HORIZONTAL REINFORCEMENT

CONCRETE MASONRY.....fc = 3,500 p.s.i
HIGH STRENGTH BAR STEEL REINFORCEMENT, GRADE 60.....fy = 60,000 p.s.i.
ANCHOR RODS, ASTM F1554 GRADE 55 (IN ACCORDANCE WITH SECTION 531.2.2 OF THE STANDARD SPECIFICATION).....fy = 55,000 p.s.i.
TEMPLATES, ASTM A709, GRADE 36.....fy = 36,000 p.s.i.

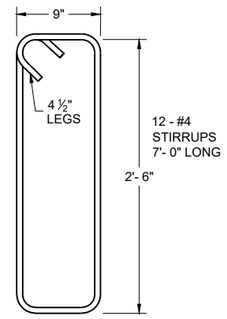
** RODENT PROTECTION REQUIRED



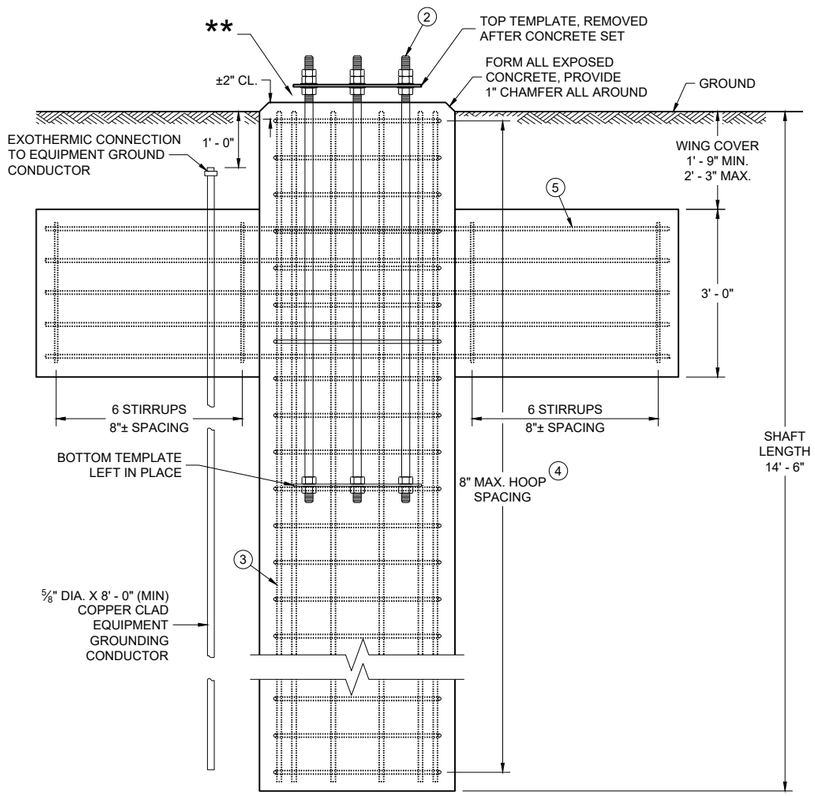
PLAN VIEW



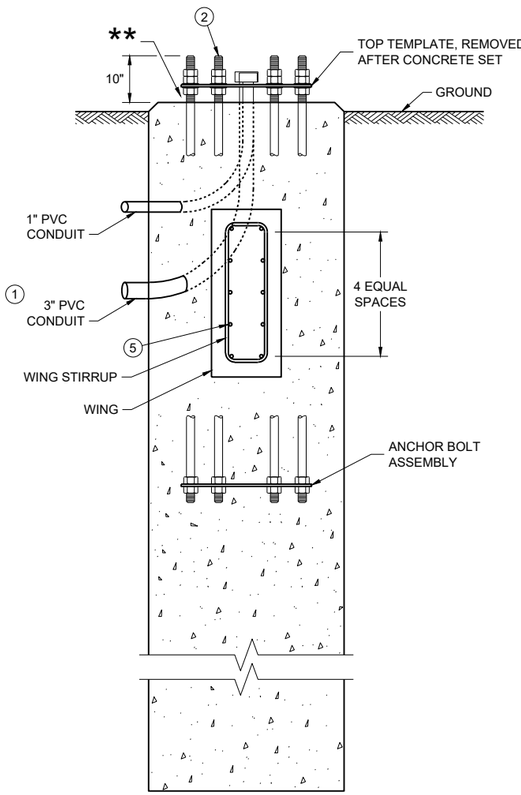
HOOP DETAIL



WING STIRRUP DETAIL



ELEVATION VIEW
(CONDUITS NOT SHOWN ON THIS VIEW FOR CLARITY)



(HOOPS AND VERTICAL SHAFT REINFORCEMENT NOT SHOWN ON THIS VIEW FOR CLARITY)

CONCRETE BASE, TYPE 13

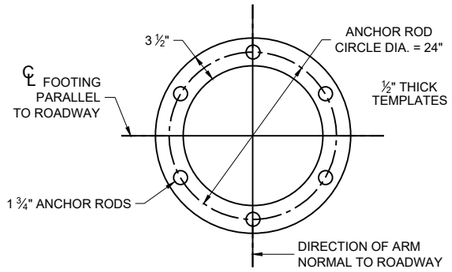
(FOR TYPE 12, TYPE 13 AND OVER HEIGHT (OH) POLES)

CONCRETE = 6.3 CUBIC YARD
H.S. REINFORCEMENT = 635 LBS.

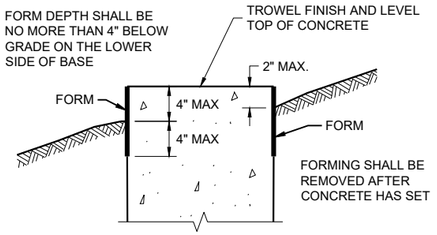
TO BE USED WHEN GROUND ELEVATION AT BASE EQUALS OR IS GREATER THAN HIGH POINT OF ROADWAY ELEVATION. SEE 9C13 WHEN GROUND ELEVATION AT BASE IS LOWER THAN HIGH POINT OF ROADWAY ELEVATION

CONCRETE BASE TYPE 13

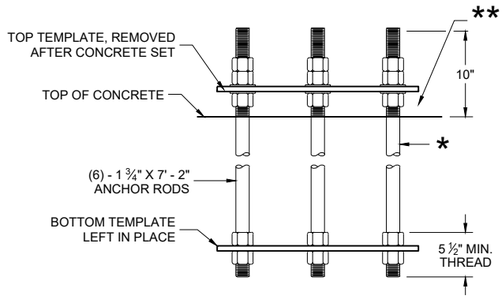
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



TOP AND BOTTOM TEMPLATE



FORMING DETAIL



ANCHOR ROD ASSEMBLY DETAILS

* THREAD TOP 11" OF ANCHOR ROD FOR 3 NUTS AND 2 WASHERS AND BOTTOM 5 ½" FOR 2 NUTS PER ANCHOR ROD. HOT DIP GALVANIZE THE ENTIRE LENGTH OF THE ANCHOR ROD (ASTM A123) AND HOT DIP NUTS AND WASHERS (ASTM A153. USE ZINC COATED NUTS MANUFACTURED WITH SUFFICIENT ALLOWANCE TO ALLOW NUTS TO RUN FREELY ON THE THREADS.

** RODENT PROTECTION REQUIRED

CONCRETE BASE TYPE 13

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

November 2025
DATE

/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGINEER

FHWA

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SDD 09C12-10b

SDD 09C12-10b

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

THE CONTRACTOR IS RESPONSIBLE FOR MAKING THEIR OWN DETERMINATION AS TO THE TYPE AND LOCATION OF UNDERGROUND UTILITIES AS MAY BE NECESSARY TO AVOID DAMAGE THERETO.

BASES (SHAFT) SHALL BE EXCAVATED BY THE USE OF A CIRCULAR AUGER. IF BASE REQUIRES A DEEP FORM BECAUSE OF LOOSE SOIL, THE FORM SHALL BE REMOVED BEFORE BACKFILLING. A STEEL CASING OR CORRUGATED METAL PIPE IS ALLOWED TO REMAIN. BACKFILL SHALL BE TAMPED TIGHT AGAINST THE BASE IN LAYERS OF ONE FOOT OR LESS.

TOP SURFACE OF THE CONCRETE BASE SHALL BE TROWEL FINISHED AND LEVEL.

ANY DAMAGE TO THE CONCRETE BASE AND ANCHOR RODS DURING CONSTRUCTION OPERATIONS SHALL BE REPAIRED AT THE ENGINEER'S DIRECTION, AT THE EXPENSE OF THE CONTRACTOR.

THE REINFORCEMENT AND ANCHOR RODS SHALL BE ADEQUATELY SUPPORTED IN THE PROPER POSITIONS SO NO MOVEMENT OCCURS DURING CONCRETE PLACEMENT.

ORIENT ANCHOR RODS IN FOOTING AND PROVIDE ANCHOR RODS STICK OUT ABOVE TOP OF CONCRETE FOOTING BASE PER THIS SHEET.

ANCHOR RODS SHALL BE INSTALLED WITH MISALIGNMENTS OF LESS THAN 1:40 FROM VERTICAL.

BAR STEEL REINFORCEMENT SHALL BE COATED WITH POWDERED EPOXY RESIN IN ACCORDANCE WITH SECTION 505 OF THE STANDARD SPECIFICATIONS (LATEST EDITION).

BENDING DIMENSIONS FOR REINFORCING BARS ARE OUT TO OUT.

WELDING OF ANCHOR RODS TO THE CAGE IS UNACCEPTABLE. TEMPLATES SHALL BE USED.

USE 3" CLEAR FOR ALL REINFORCEMENT UNLESS NOTED OTHERWISE.

FORM ALL EXPOSED CONCRETE CORNERS WITH 1" CHAMFER ALL AROUND. TOP OF THE CONCRETE BASE SHALL BE TROWEL FINISHED AND LEVEL.

CONDUIT SIZES AND LOCATIONS SHALL BE SHOWN ON THE PLANS.

MINIMUM BENDING RADIUS OF CONDUIT IS EQUAL TO 6 TIMES THE DIAMETER.

CONDUIT HEIGHT ABOVE CONCRETE BASES SHALL BE 4 ½" INCHES. ALL METALLIC CONDUIT ENDS SHALL BE REAMED AND THREADED. NON-METALLIC CONDUIT SHALL HAVE BELL ENDS INSTALLED. ALL CONDUIT SHALL SLOPE TO PULL BOX.

ALL CONDUIT ENDS AT THE TOP OF CONCRETE BASES SHALL BE CAPPED IF METALLIC OR PLUGGED IF NON-METALLIC IMMEDIATELY AFTER PLACEMENT AND BEFORE CONCRETE IS POURED. CONDUITS IN WHICH WIRE OR CABLE IS NOT INSTALLED SHALL REMAIN CAPPED OR PLUGGED.

BELL ENDS SHALL BE INSTALLED ON ALL PVC CONDUIT EXPOSED AT THE TOP OF CONCRETE BASES BEFORE INSTALLATION OF CABLE OR WIRE.

WHEN REQUIRED TO CONNECT NON-METALLIC CONDUIT TO METALLIC CONDUIT, ONLY ADAPTER FITTINGS, U.L. LISTED FOR ELECTRICAL USE, SHALL BE USED.

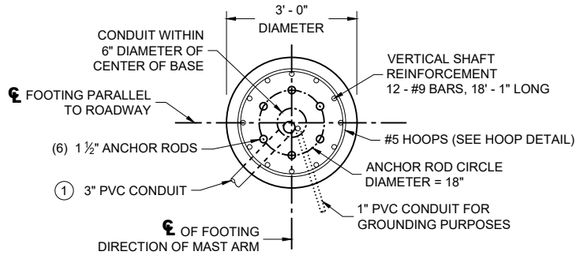
A NO. 4 AWG STRANDED COPPER EQUIPMENT GROUNDING CONDUCTOR SHALL BE EXOTHERMICALLY WELDED TO THE EQUIPMENT GROUNDING ELECTRODE (GROUND ROD).

THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE FURNISHED AND INSTALLED TO ENTER THE BASE THROUGH A 1 INCH CONDUIT INSTALLED FOR GROUNDING PURPOSES, LEAVING A 4 FOOT COIL OF WIRE ABOVE THE CONCRETE BASE. THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE NEATLY COILED AND THE COILS TIED TOGETHER.

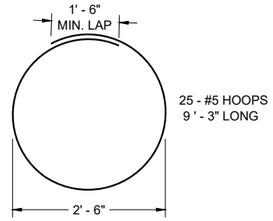
THE FINAL OR TERMINATING CONCRETE BASE IN A CONDUIT RUN SHALL HAVE A 6" EXIT STUB INSTALLED FOR FUTURE CABLING USE. THE EXIT STUB SHALL BE SIZED AS USED THROUGHOUT THE CONDUIT RUN AS SHOWN A THE ENTRANCE OF THE BASE.

(1) THE MINIMUM DEPTH OF CONDUIT EXITING THE CONCRETE BASE AND INSTALLED BELOW THE TRAVELED WAY SHALL BE 24 INCHES. THE MINIMUM DEPTH OF CONDUIT EXITING THE CONCRETE BASE THAT IS NOT INSTALLED BELOW THE TRAVELED WAY SHALL BE 18 INCHES. THE MAXIMUM DEPTH OF ALL CONDUIT SHALL BE 36 INCHES (GREATER THAN 36 INCHES IF INSTALLED IN BREAKER RUN) EXCEPT WITH WRITTEN APPROVAL OF THE ENGINEER.

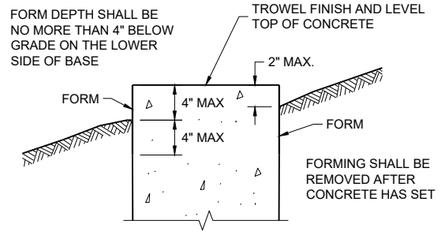
CONCRETE MASONRY.....fc = 3,500 p.s.i
HIGH STRENGTH BAR STEEL REINFORCEMENT, GRADE 60.....fy = 60,000 p.s.i.
ANCHOR RODS, ASTM F1554 GRADE 55.....fy = 55,000 p.s.i.
(IN ACCORDANCE WITH SECTION 531.2.2 OF THE STANDARD SPECIFICATION)
TEMPLATES, ASTM A709, GRADE 36.....fy = 36,000 p.s.i.



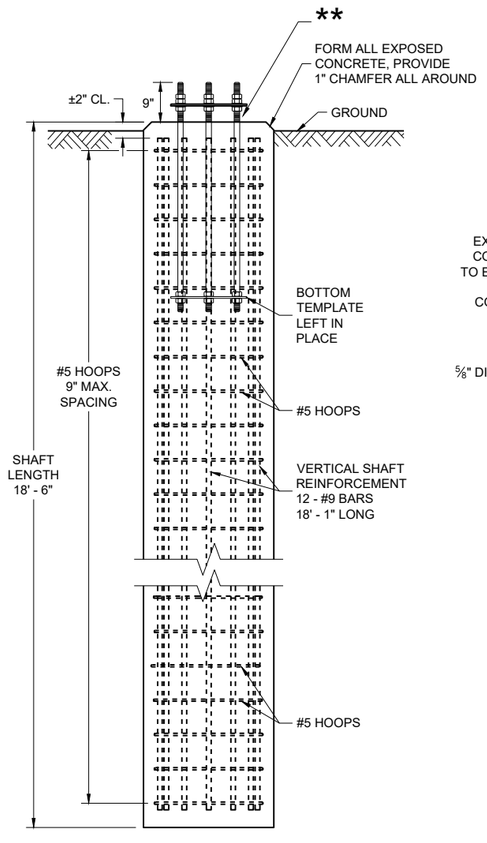
PLAN VIEW



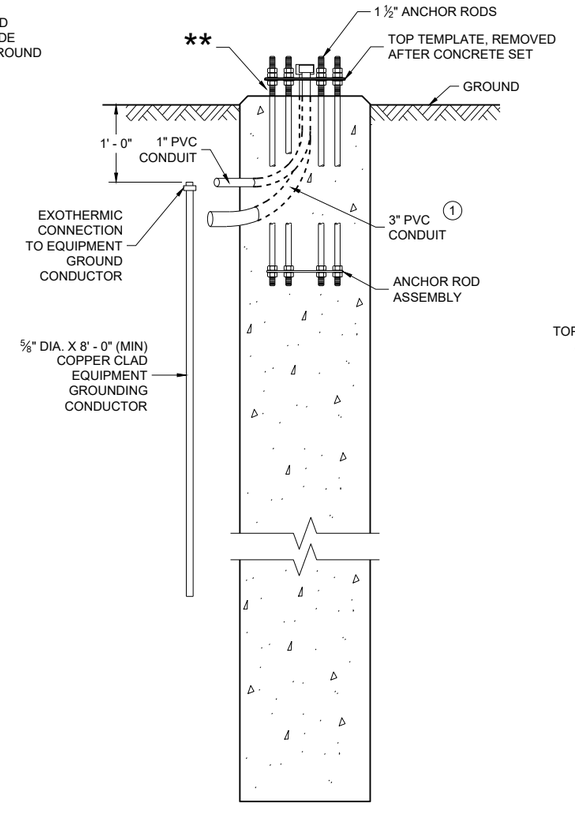
HOOP DETAIL



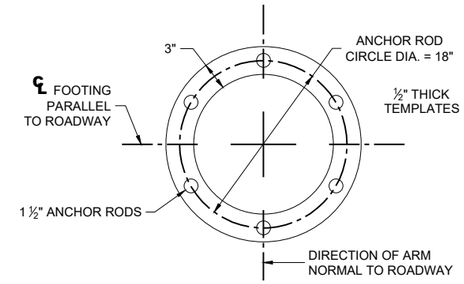
FORMING DETAIL



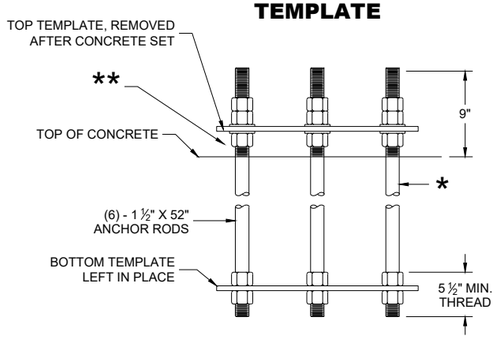
ELEVATION VIEW
(CONDUITS NOT SHOWN ON THIS VIEW FOR CLARITY)



SIDE VIEW
(HOOPS AND VERTICAL SHAFT REINFORCEMENT NOT SHOWN ON THIS VIEW FOR CLARITY)



TOP AND BOTTOM TEMPLATE



ANCHOR ROD ASSEMBLY DETAILS

* THREAD TOP 10" OF ANCHOR ROD FOR 3 NUTS AND 2 WASHERS AND BOTTOM 5 ½" FOR 2 NUTS PER ANCHOR ROD. HOT DIP GALVANIZE THE ENTIRE LENGTH OF THE ANCHOR ROD (ASTM A123) AND HOT DIP NUTS AND WASHERS (ASTM A153. USE ZINC COATED NUTS MANUFACTURED WITH SUFFICIENT ALLOWANCE TO ALLOW NUTS TO RUN FREELY ON THE THREADS.

** RODENT PROTECTION REQUIRED

CONCRETE BASE, TYPE 10 SPECIAL
(FOR TYPE 9 SPECIAL AND TYPE 10 SPECIAL POLES AND OVER HEIGHT (OH) POLES)

CONCRETE = 4.8 CUBIC YARD
H.S. REINFORCEMENT = 979 LBS.

FOR USE WHEN GROUND ELEVATION AT BASE EQUALS OR IS GREATER THAN HIGH POINT OF ROADWAY ELEVATION.

CONCRETE BASE TYPE 10 SPECIAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

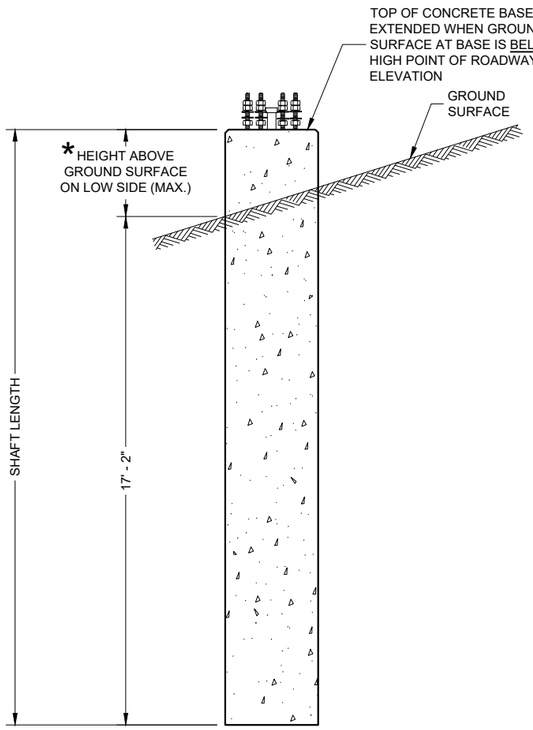
APPROVED
November 2025 — DATE
/S/ Alex Crabtree — WIND LOADED STRUCTURES PROGRAM LEADER

FHWA

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SDD 09C15-03

REINFORCEMENT AND CONCRETE QUANTITIES
ADJUSTED FOR EXTENDED TYPE 10 SPECIAL CONCRETE BASE

HEIGHT INCREASE REQUIRED	*HEIGHT ABOVE GROUND SURFACE ON LOW SIDE (MAX.)	SHAFT LENGTH	LENGTH OF #8 VERTICAL REINF.	NO. OF #5 HOOPS	CU. YD. OF CONCRETE	LBS. OF HOOP BAR STEEL	LBS. OF VERTICAL STEEL
>0" TO 6"	10"	18' - 0"	17' - 7"	25	4.7	241	563
>6" TO 1' - 0"	1' - 4"	18' - 6"	18' - 1"	25	4.8	241	579
>1' - 0" TO 1' - 6"	1' - 10"	19' - 0"	18' - 7"	26	5.0	251	595
>1' - 6" TO 2 - 0"	2' - 4"	19' - 6"	19' - 1"	27	5.1	260	611



CONCRETE BASE TYPE 10 SPECIAL (EXTENDED)

CONCRETE BASE TYPE 10 SPECIAL EXTENSION

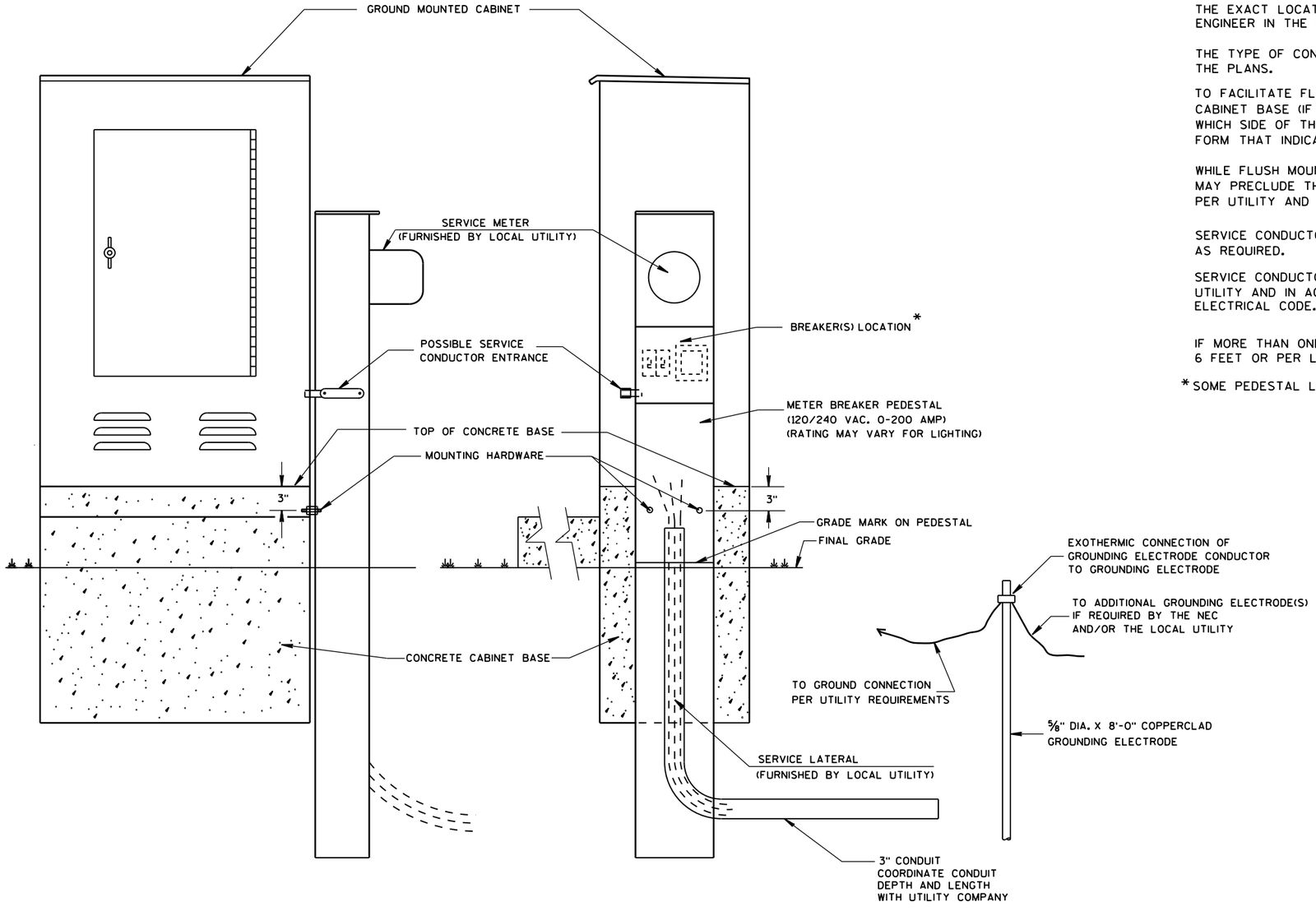
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2023
DATE

/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI 864

FHWA

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SDD 09C16-01



TYPICAL CABINET SERVICE INSTALLATION

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

THE EXACT LOCATION OF THE METER BREAKER PEDESTAL SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD.

THE TYPE OF CONCRETE CABINET BASE TO BE INSTALLED SHALL BE AS CALLED FOR IN THE PLANS.

TO FACILITATE FLUSH MOUNTING OF THE METER BREAKER PEDESTAL AGAINST THE SIDE OF THE CABINET BASE (IF FLUSH MOUNTING POSSIBLE. CONFER WITH THE LOCAL UTILITY TO DETERMINE WHICH SIDE OF THE CONCRETE BASE THE ELECTRICAL SERVICE LATERAL WILL APPROACH. THEN FORM THAT INDICATED SIDE FOR FULL SIDE DEPTH.

WHILE FLUSH MOUNTING IS THE MOST DESIRABLE MOUNTING CONFIGURATION UTILITY REQUIREMENTS MAY PRECLUDE THIS OPTION. CONTRACTOR MUST PROVIDE UTILITY APPROVED PEDESTAL AND INSTALL PER UTILITY AND MANUFACTURERS REQUIREMENTS.

SERVICE CONDUCTOR ENTRANCES SHALL BE RIGID METALLIC CONDUIT, NIPPLES AND/OR CONDULETS AS REQUIRED.

SERVICE CONDUCTOR ENTRANCES SHALL BE SIZED AND LOCATED AS REQUIRED BY THE LOCAL UTILITY AND IN ACCORDANCE WITH APPROPRIATE ARTICLES OF THE LATEST ACCEPTED NATIONAL ELECTRICAL CODE.

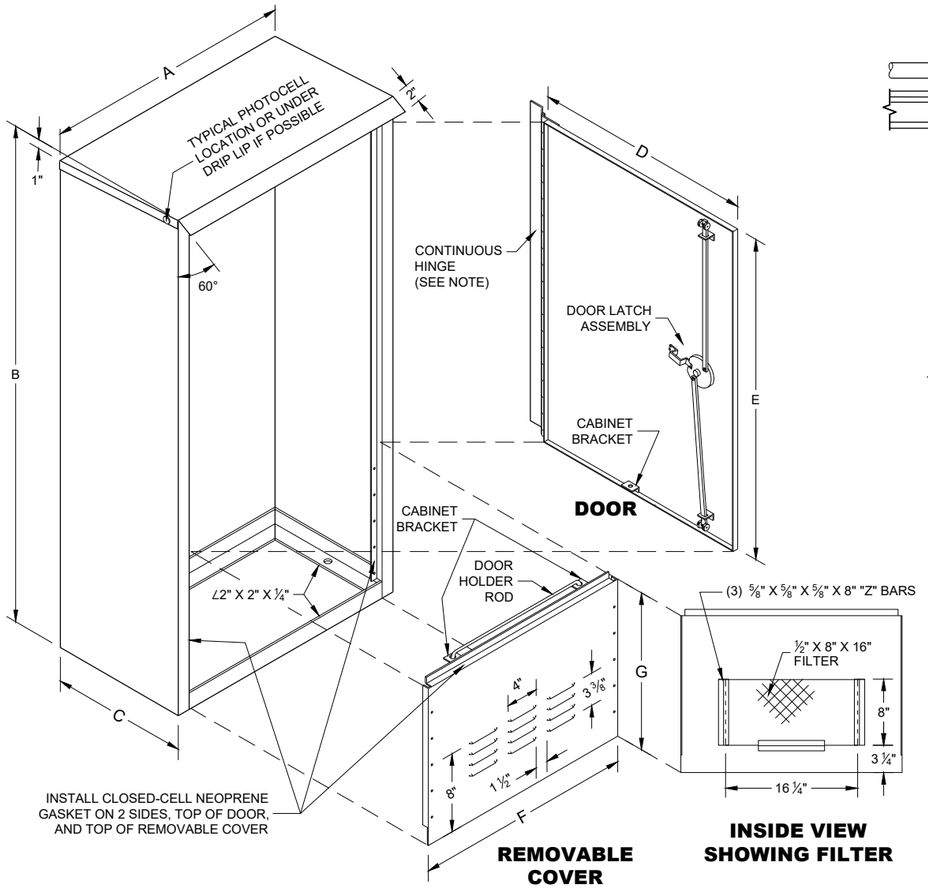
IF MORE THAN ONE GROUNDING ELECTRODE IS REQUIRED, THE DISTANCE APART SHALL BE 6 FEET OR PER LOCAL UTILITY REGULATIONS.

* SOME PEDESTAL LIGHTING PLANS SHOW MAIN LUGS ONLY.

CABINET SERVICE INSTALLATION (METER BREAKER PEDESTAL)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

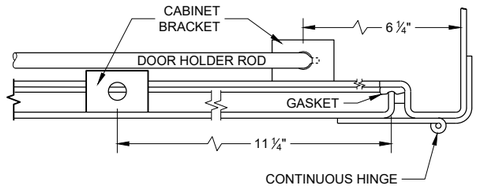
APPROVED
Sept. 2014 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL 865
FHWA



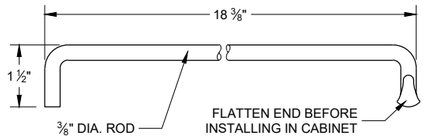
DOOR

REMOVABLE COVER

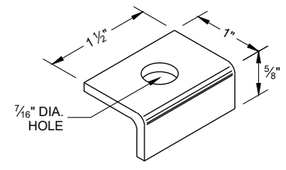
INSIDE VIEW SHOWING FILTER



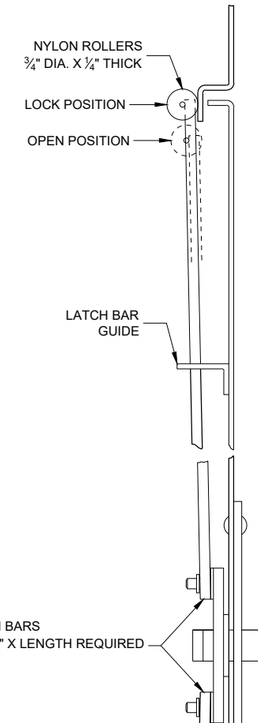
HINGE AND DOOR HOLDER



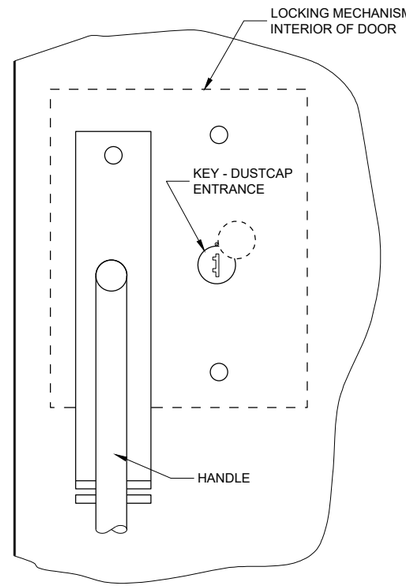
HOLDER ROD



CABINET BRACKET



SIDE VIEW



FRONT VIEW

LATCH ASSEMBLY

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

PRIME WITH PHOSPHATE TREATMENT AND PRIMER.

FINISH EXTERIOR SURFACES WITH RUSTOLEUM #906 SILVER GRAY OR APPROVED EQUAL.

FINISH INTERIOR WITH RUSTOLEUM #2766 HIGH GLOSS WHITE ENAMEL OR APPROVED EQUAL.

ALL SHEET METAL PARTS SHALL BE .125 INCH THICK ALUMINUM.

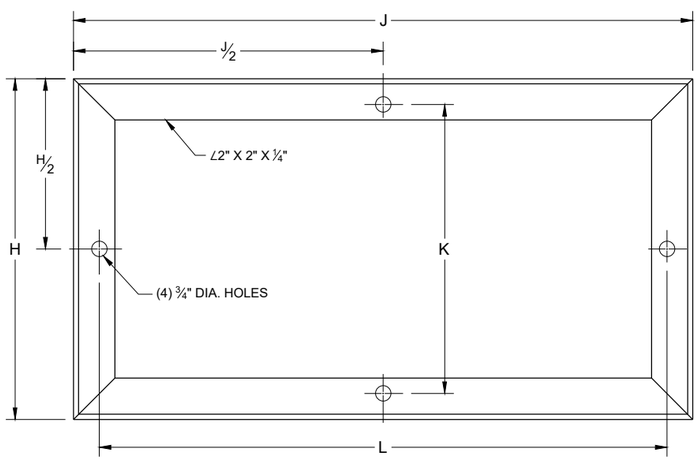
ALL SEAMS SHALL BE CONTINUOUSLY WELDED.

ALUMINUM SHALL BE TYPE 5052-H32.

CONTINUOUS HINGE SHALL BE HEAVY GAUGE ALUMINUM WITH ¼" DIAMETER STAINLESS STEEL HINGE PIN. HINGE IS SECURED WITH ¼" X 20 TPI STAINLESS STEEL CARRIAGE BOLTS AND STAINLESS STEEL NYLOCK NUTS.

A SINGLE PHOTOCELL SHALL BE LOCATED ON THE NORTH - NORTHEAST SIDE OF THE CABINET UNLESS OTHERWISE CALLED FOR IN THE SPECIAL PROVISIONS. THE PHOTOCELL SHALL BE PLACED AS SHOWN AND SHALL BE LISTED ON THE DEPARTMENTS APPROVED PRODUCTS LIST.

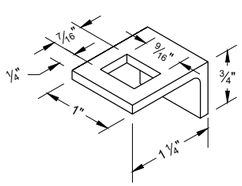
DOOR LATCH ASSEMBLY TO BE PROVIDED WITH THREE-POINT LOCKING MECHANISM.



MOUNTING BASE

TABLE OF DIMENSIONS (INCHES)

MARK	CABINET TYPE		
	3060	3860	3866
A	30	38	38
B	60	60	66
C	16 ½	16 ½	24
D	26 ½	34 ¾	33 ¾
E	38 ¾	38 ¾	38 ¾
F	26 ½	34 ¾	33 ¾
G	19	19	25
H	16 ½	16 ½	24
H/2	8 ¼	8 ¼	12
J	30	38	38
J/2	15	19	19
K	13 ¾	13 ¾	21 ¼
L	27 ½	35 ½	35 ½



LATCH BAR GUIDE

SIGNAL CONTROL CABINET

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

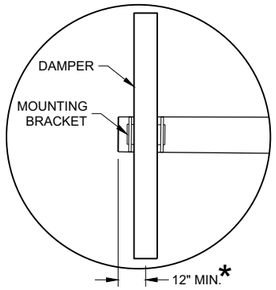
APPROVED
September 2014
DATE

/S/ Ahmet Demerbilek
STATE ELECTRICAL ENGI 866

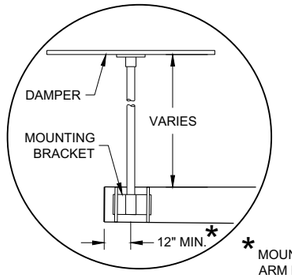
FHWA

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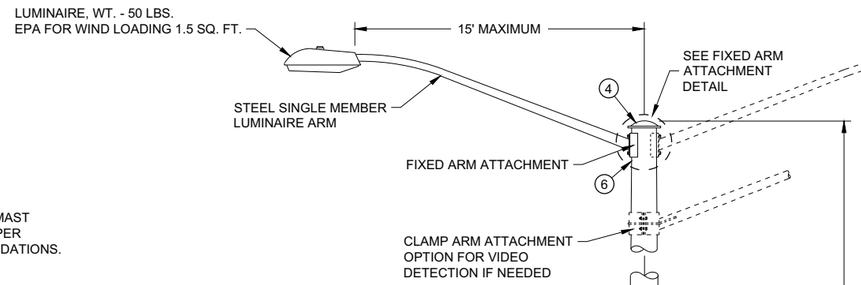


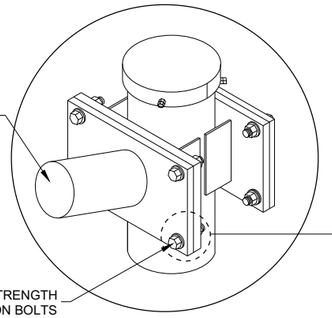
DUMBBELL VIBRATION DAMPER



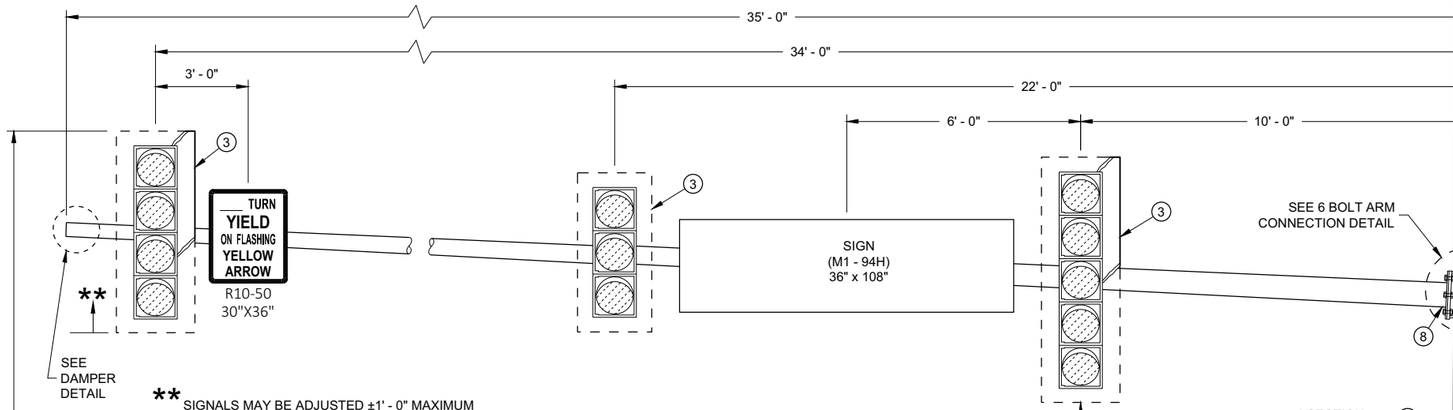
FLAT VIBRATION DAMPER

* MOUNT AS CLOSE TO END OF MAST ARM FOR MAXIMUM DAMPING PER MANUFACTURER'S RECOMMENDATIONS.

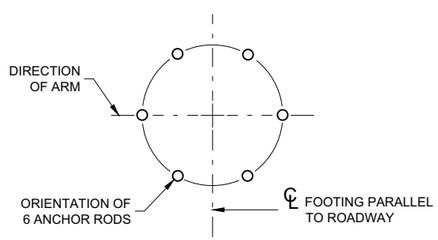




FIXED ARM ATTACHMENT DETAIL

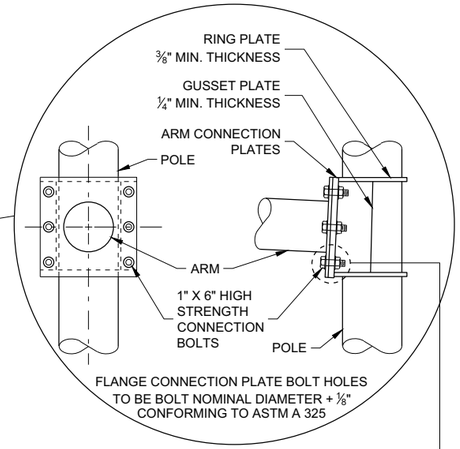


** SIGNALS MAY BE ADJUSTED ±1' - 0" MAXIMUM TO ACCOMMODATE FOR VERTICAL CLEARANCE

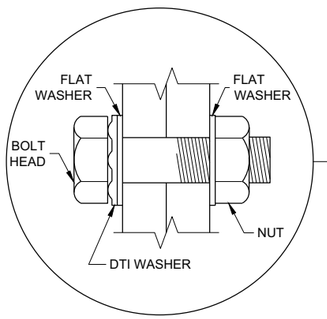


ANCHOR ROD LOCATION

TYPE 10 SPECIAL POLE
35' MONOTUBE ARM
(MAXIMUM LOAD)



6 BOLT ARM CONNECTION DETAIL



RECOMMENDED BOLT ASSEMBLY DETAIL

TYPE 10 SPECIAL POLE
35' MONOTUBE ARM

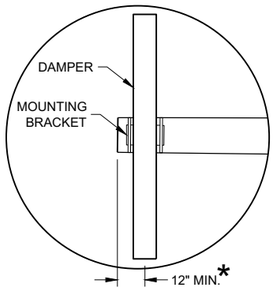
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
August 2020
DATE

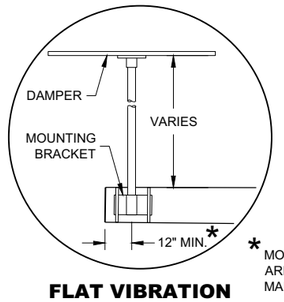
/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI 867

FHWA

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SDD 09E08 - 09f

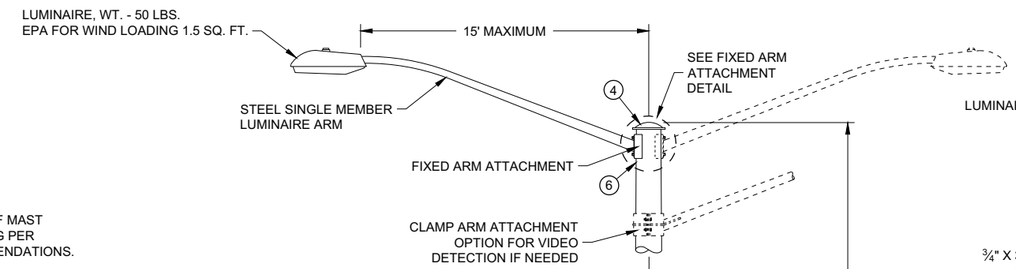


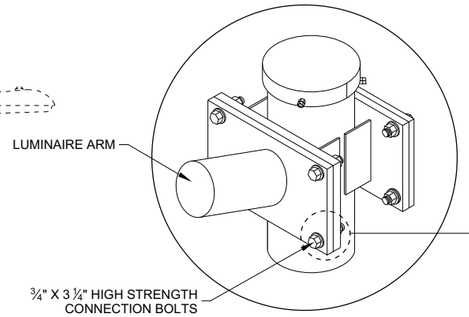
DUMBBELL VIBRATION DAMPER



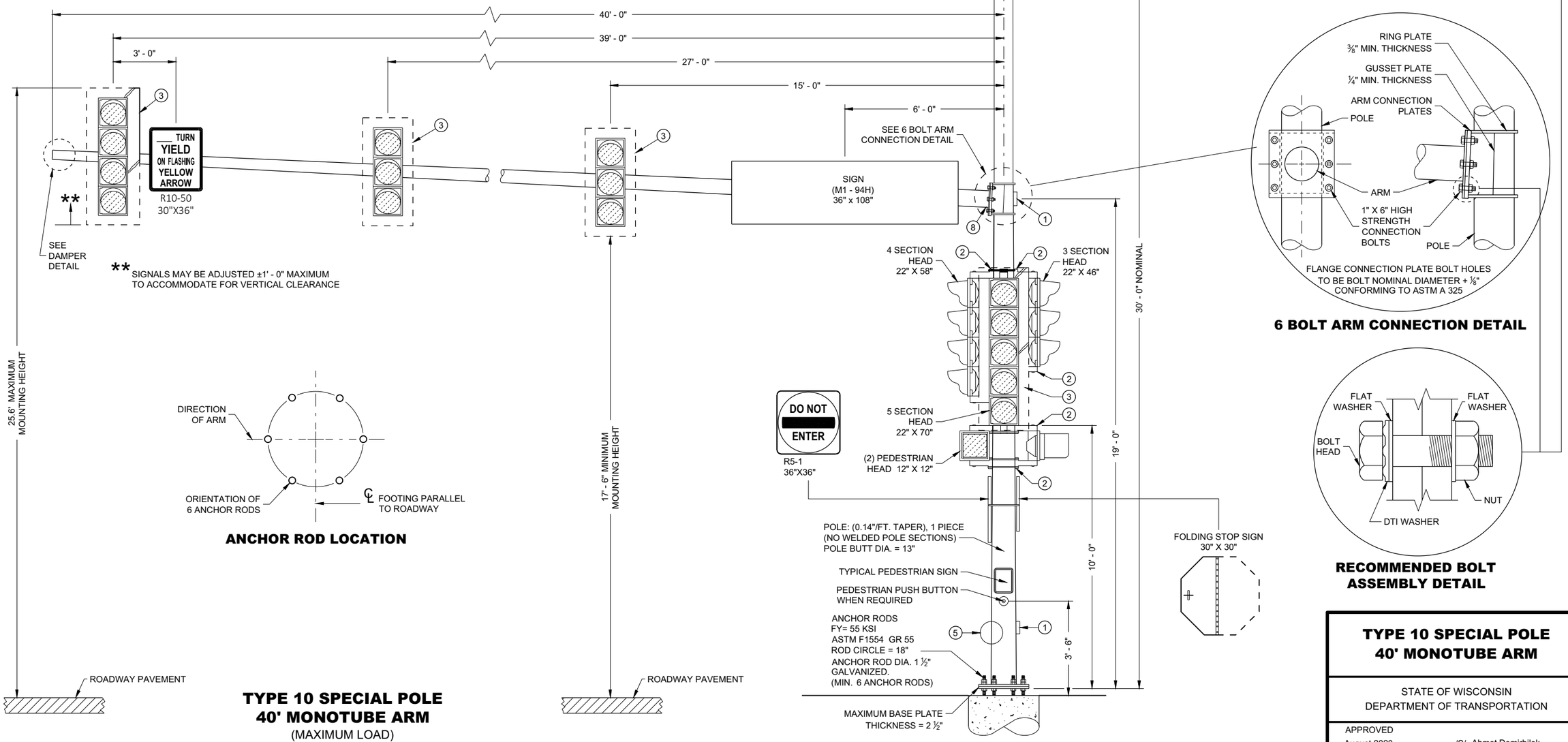
FLAT VIBRATION DAMPER

* MOUNT AS CLOSE TO END OF MAST ARM FOR MAXIMUM DAMPING PER MANUFACTURER'S RECOMMENDATIONS.





FIXED ARM ATTACHMENT DETAIL



** SIGNALS MAY BE ADJUSTED ±1' - 0" MAXIMUM TO ACCOMMODATE FOR VERTICAL CLEARANCE

ANCHOR ROD LOCATION

TYPE 10 SPECIAL POLE
40' MONOTUBE ARM
(MAXIMUM LOAD)

6 BOLT ARM CONNECTION DETAIL

RECOMMENDED BOLT ASSEMBLY DETAIL

TYPE 10 SPECIAL POLE
40' MONOTUBE ARM

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

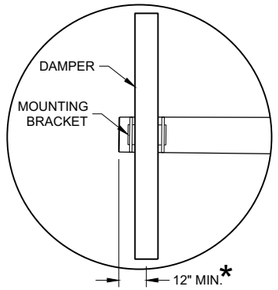
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August 2020
DATE

/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI 868

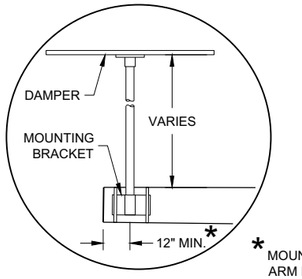
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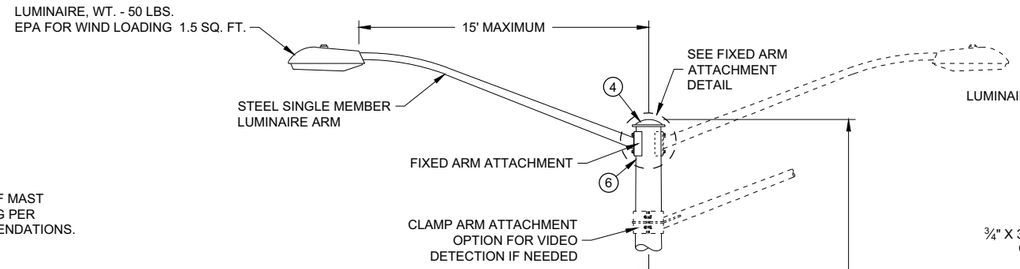


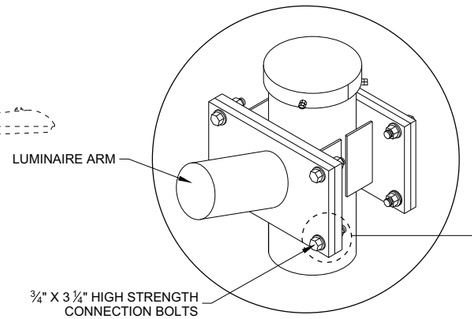
DUMBBELL VIBRATION DAMPER



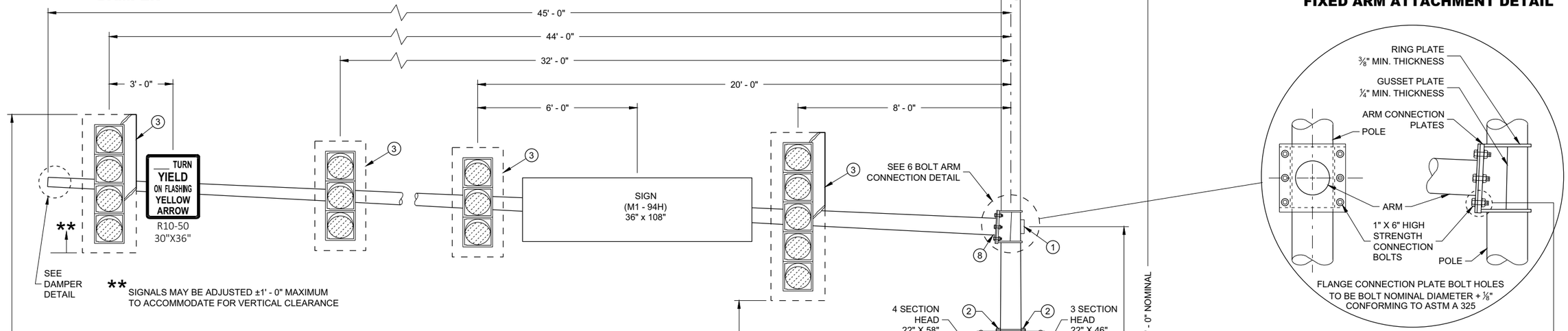
FLAT VIBRATION DAMPER

* MOUNT AS CLOSE TO END OF MAST ARM FOR MAXIMUM DAMPING PER MANUFACTURER'S RECOMMENDATIONS.

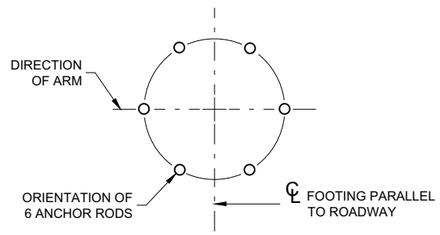




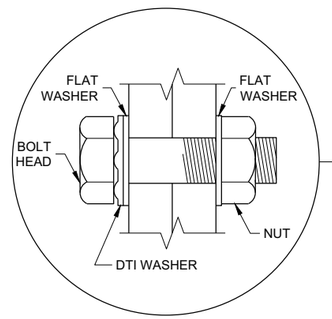
FIXED ARM ATTACHMENT DETAIL



6 BOLT ARM CONNECTION DETAIL



ANCHOR ROD LOCATION



RECOMMENDED BOLT ASSEMBLY DETAIL

TYPE 10 SPECIAL POLE
45' MONOTUBE ARM
(MAXIMUM LOAD)

TYPE 10 SPECIAL POLE
45' MONTUBE ARM

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DEPARTMENT OF TRANSPORTATION

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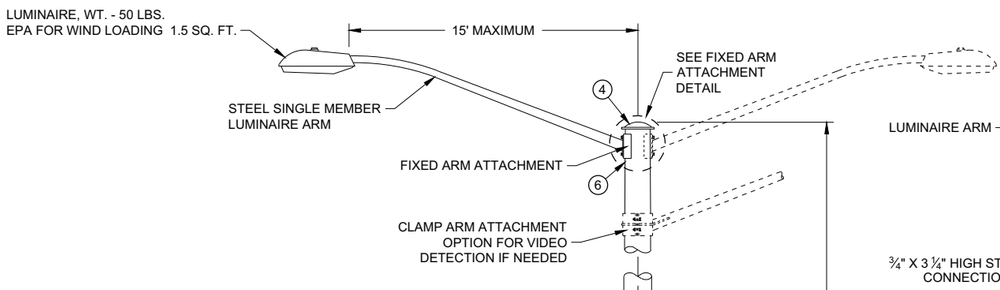
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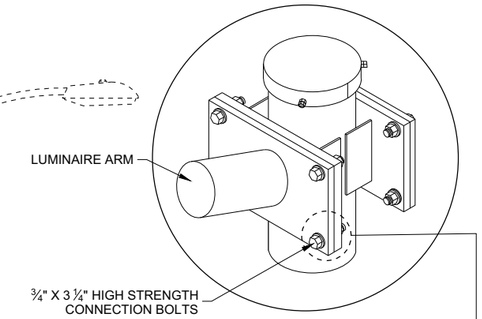
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SDD 09E08 - 08h

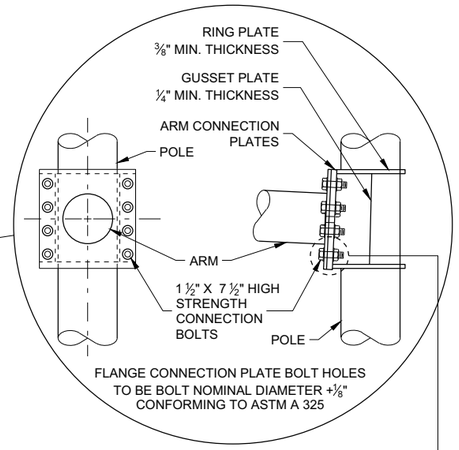
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SDD 09E08 - 08h

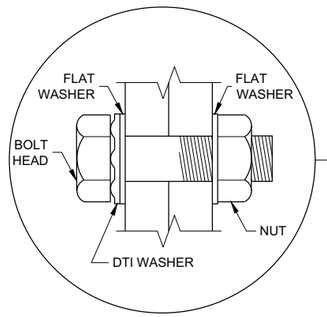




FIXED ARM ATTACHMENT DETAIL



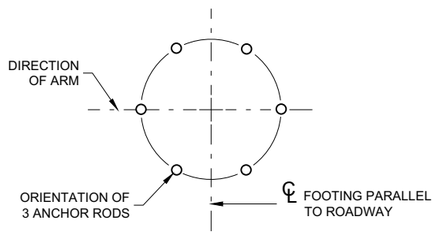
8 BOLT ARM CONNECTION DETAIL



RECOMMENDED BOLT ASSEMBLY DETAIL

* DIMENSIONS SHOWN ARE FOR POLE/ARM DESIGN ONLY, NOT FOR FIELD LOCATION. THESE DIMENSIONS SHALL NOT BE DECREASED.

** SIGNALS MAY BE ADJUSTED ±1' - 0" MAXIMUM TO ACCOMMODATE FOR VERTICAL CLEARANCE



ANCHOR ROD LOCATION

TYPE 13 POLE
35' - 55' MONOTUBE ARM
(MAXIMUM LOAD)

TYPE 13 POLE
35' - 55' MONOTUBE ARM

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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GENERAL NOTES

DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

POLE TYPES 9 AND 10 ARE FOR ARM LENGTHS 15 FOOT TO 30 FOOT.

POLE TYPES 9 SPECIAL AND 10 SPECIAL ARE FOR ARM LENGTHS 35 FOOT, 40 FOOT, AND 45 FOOT.

POLE TYPES 12 AND 13 ARE FOR ARM LENGTHS 35 FOOT TO 55 FOOT.

MONOTUBE POLES AND ARMS SHALL BE GALVANIZED STEEL.

RING STIFFENED BUILT UP BOX TYPE OF ATTACHMENT FOR TRAFFIC SIGNAL ARM.

ONE PIECE POLE CONSTRUCTION (NO WELDED POLE SECTIONS).

STANDARD STRAIGHT ARM DESIGN (3% ± RISE).

SECTION 657, POLES OF THE STANDARD SPECIFICATION SHALL APPLY TO THIS DRAWING.

PROVIDE WIREWAY THRU POLE WALL AND ARM CONNECTION PLATES. PROVIDE ROUND, SMOOTH INSIDE SURFACE.

MANUFACTURER'S SUBMITTED POLE DESIGNS AND DRAWINGS SHALL BE SIGNED AND STAMPED BY A REGISTERED PROFESSIONAL ENGINEER AND CERTIFIED AS BEING IN COMPLIANCE WITH THE AASHTO "LRFD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNAL 2015 1ST EDITION (INCLUDING INTERIM REVISIONS)" AND ALL PERTINENT WISDOT SPECIFICATIONS AND DRAWINGS FOR THE LIGHTING STRUCTURES AS FOLLOWS:

CATEGORY III FATIGUE LOADS OF GALLOPING, TRUCK GUSTS (AT 45 MPH VEHICLE VELOCITY) AND NATURAL WIND GUSTS FOR DESIGN OF TYPE 9 AND TYPE 10 STRUCTURES.

CATEGORY II FATIGUE LOADS OF TRUCK GUSTS (AT 45 MPH VEHICLE VELOCITY) AND NATURAL WIND GUSTS FOR DESIGN OF TYPE 9 SPECIAL AND TYPE 10 SPECIAL STRUCTURES. IN LIEU OF DESIGNING FOR GALLOPING, A VIBRATION DAMPER MITIGATION DEVICE IS REQUIRED TO BE SUPPLIED AND INSTALLED AT THE END OF THE MAST ARM.

CATEGORY II FATIGUE FATIGUE LOADS OF GALLOPING, TRUCK GUSTS (AT 45 MPH VEHICLE VELOCITY) AND NATURAL WIND GUSTS FOR DESIGN OF TYPE12 AND TYPE 13 STRUCTURES.

115 MPH (700 YEAR MRI BASIC WIND SPEED).

SECURE THE OPENING BELOW THE BASE PLATE WITH STAINLESS STEEL OR GALVANIZED STEEL MESH AND SECURE THE MESH WITH ¾" STAINLESS STEEL BANDING AROUND THE LEVELING NUTS.

INDENT PRINT (NOMINAL ½" HIGH) THE POLE LENGTH AND FIRST TWO LETTERS OF THE MANUFACTURERS NAME ON TWO SIDES OF THE BASE PLATE 180 DEGREES APART, BEFORE GALVANIZING. THE ARM SHALL BE IDENTIFIED WITH THE SAME INFORMATION BY INDENT PRINT.

SIGNAL FACE SHALL BE MOUNTED 6 INCHES (NOMINAL) FROM THE END OF THE MONOTUBE ARM OR AS SHOWN ON THE PLAN CONSTRUCTION DETAIL OR A S DIRECTED BY THE PROJECT ENGINEER/ELECTRICAL OPERATIONS PERSONNEL. MOUNT ALL LIKE HEAD AT SAME ELEVATION.

SIGN MOUNTING BRACKETS SHALL BE FURNISHED IN ACCORDANCE WITH SECTION 637 OF THE STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION.

(1) DESIGN FOR MAXIMUM ALLOWABLE HAND HOLE WITH COVER ASSEMBLY WITH TWO ¼" X ¾" - 20 TPI STAINLESS STEEL HEX HEAD BOLTS.

(2) SIGNAL MOUNTING BRACKETS FOR POLE MOUNTING, MOUNT WITH CAP SCREW AND BANDING (SEE SPECIFICATION SECTION 658).

(3) SECURELY MOUNT BACK PLATES, PROJECTING 5" BEYOND ALL SIDES OF THE SIGNAL FACE HOUSING, PER MANUFACTURERS RECOMMENDATIONS.

(4) THE TOP OF THE POLE SHAFT AND THE MONOTUBE ARM SHALL BE EQUIPPED WITH A REMOVABLE, VENTILATED CAP HELD SECURELY IN PLACE WITH SET SCREWS.

(5) FACTORY WELDED BRACKET FOR GROUNDING LUG, OPPOSITE HAND HOLD, (LUG AND HARDWARE PAID UNDER SEPARATE ITEM). PROVIDE HOLE IN BRACKET FOR ¼" X ¾" - 20 TPI STAINLESS STEEL HEX HEAD BOLT.

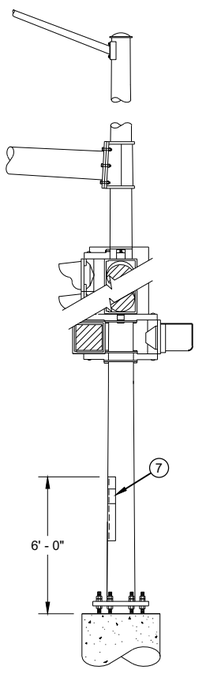
(6) FACTORY WELDED "J" HOOK FOR STRAIN RELIEF FOR POLE LUMINAIRE WIRE.

(7) INSTALL STRUCTURAL IDENTIFICATION PLAQUES.

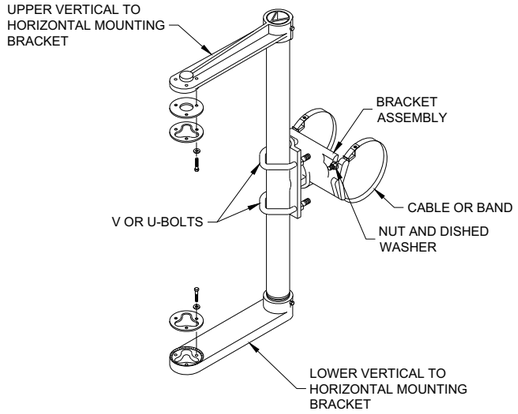
STRUCTURAL IDENTIFICATION PLAQUES SHALL BE PLACED ON THE POLES IN THE SAME DIRECTION AS THE ARM.

MOUNTING HEIGHT SHALL BE 6' - 0" ABOVE THE CURB OR SHOULDER. ADJUST IF IT IS KNOWN THAT REQUIRED TRAFFIC SIGNS WILL BE OBSTRUCTED.

(8) FACTORY DRILLED ½" DRAIN HOLE 2" FROM FLANGE CONNECTION PLATE.

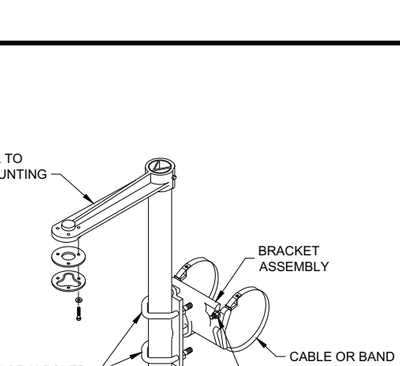


STRUCTURAL IDENTIFICATION PLAQUE PLACEMENT



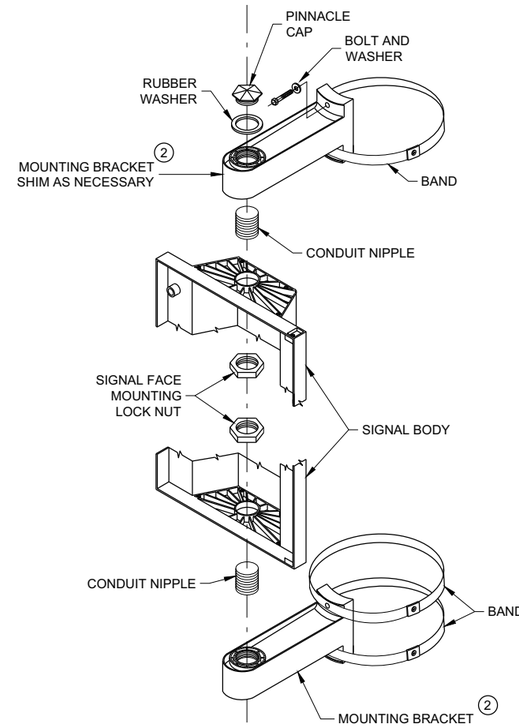
SIGNAL FACE MOUNTING BRACKET DETAIL FOR MONOTUBE ARM

(MOUNT PER MANFACTURER'S RECOMMENDATION)

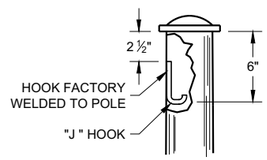


TYPICAL GROUNDING CONNECTIONS (5)

NUT, BOLT AND WASHERS SHALL BE STAINLESS STEEL



SIGNAL FACE VERTICAL MOUNTING DETAIL



TYPICAL "J" HOOK WIRE SUPPORT (6)

GENERAL NOTES AND HARDWARE FOR TYPES 9,10, 9/10 SPECIAL, 12 AND 13 POLES WITH MONOTUBE ARMS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
August 2020
DATE

/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGINEER

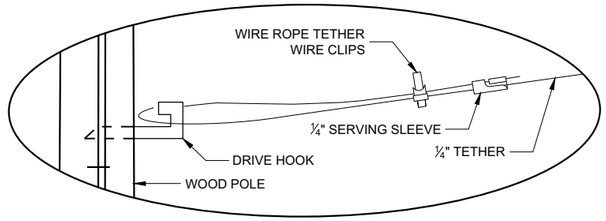
871

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MINIMUM POLE LENGTHS	POLE BURIAL DEPTHS
25'	5'
30'	6'
35'	7'
40'	8'
45'	9'

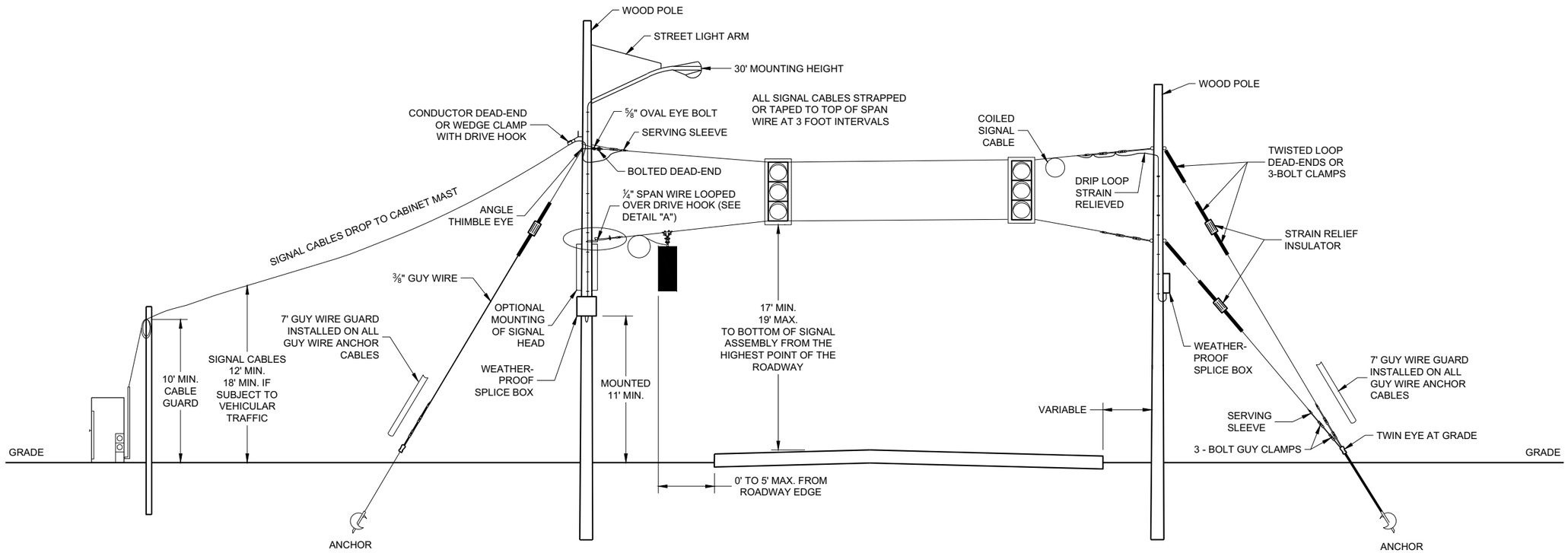


DETAIL "A"

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

1. WOOD POLES SHALL BE CLASS 4. LENGTH DETERMINED BY SIGNAL PLAN.
2. SIGNAL FACES:
   A. ALL SECTIONS SHALL BE 12" AND POLYCARBONATE.
   B. EACH SHALL CONTAIN A 5" WIDE DULL BLACK POLYCARBONATE BACKPLATE.
   C. EACH SHALL BE WIRED FROM THE TOP SIGNAL MOUNTING BRACKET.
   D. NEAR RIGHT SIGNAL FACE SUSPENDED ON THE TETHER (NO BACKPLATE) SHALL NOT BE OVER THE TRAVELED WAY. IF THE POLE IS WITHIN 5 FEET OF THE TRAVELED WAY MOUNT THE SIGNAL FACE ON THE WOOD POLE WITH BACKPLATE.
3. SPAN WIRE:
   A. EACH SPAN WIRE SHALL BE INDIVIDUALLY DOWN GUYED
   B. SIGNAL AND LIGHTING CABLES SHALL ONLY BE ATTACHED TO THE UPPER SPAN WIRE.
   C. THE SIGNAL ASSEMBLY SHALL HAVE A 17' MIN. HEIGHT ABOVE THE ROADWAY. THIS SHALL BE MEASURED AFTER THE SPAN WIRE INSTALLATION IS COMPLETED WITH ALL CABLES AND SIGNAL FACES IN PLACE. MAINTAIN MINIMUM AND MAXIMUM HEIGHTS AS ROADWAY WORK PROGRESSES.



SPAN WIRE
TEMPORARY SIGNALS

SPAN WIRE TEMPORARY TRAFFIC SIGNAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June 2015
DATE
/S/ Ahmet Demerbilek
STATE ELECTRICAL ENGI 872

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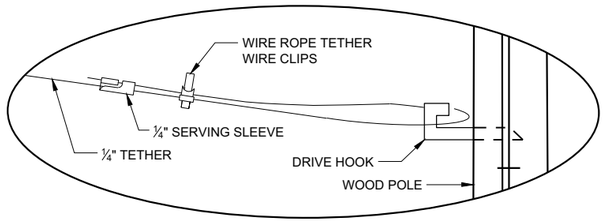
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MINIMUM POLE LENGTHS	CLASS	POLE BURIAL DEPTHS
25'	V	5'
30'	V	6'
35'	IV	7'
40'	IV	8'
45'	IV	9'

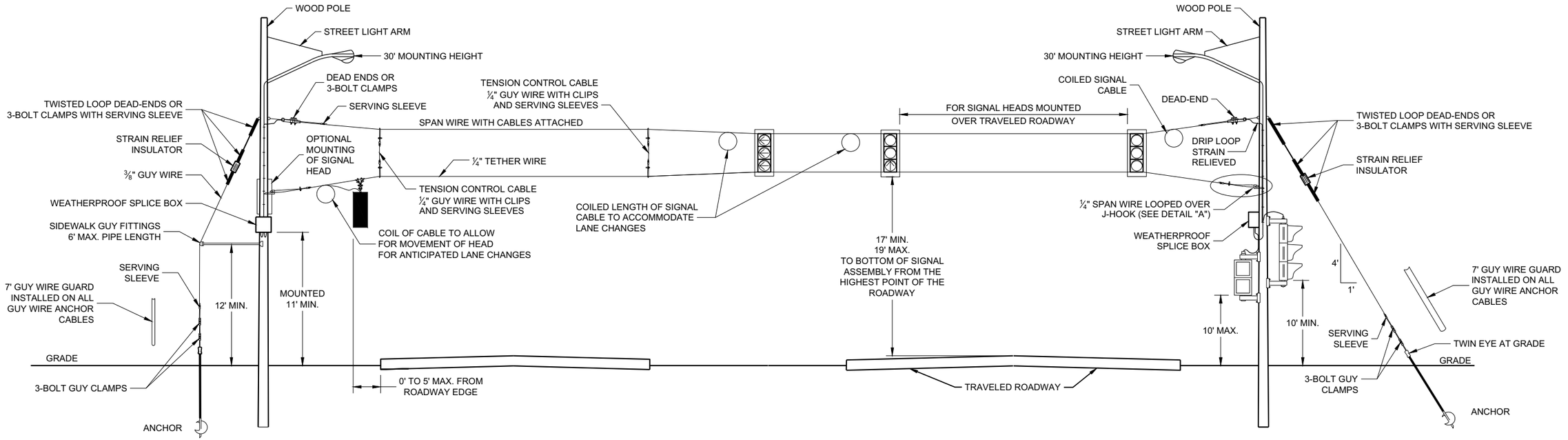


DETAIL "A"

GENERAL NOTES

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   E. FAR INDICATION SHALL BE MAINTAINED OVER CENTER OF TRAFFIC LANE.
3. SPAN WIRE:
   A. EACH SPAN WIRE SHALL BE INDIVIDUALLY DOWN GUYED
   B. SIGNAL AND LIGHTING CABLES SHALL ONLY BE ATTACHED TO THE UPPER SPAN WIRE.
   C. THE SIGNAL ASSEMBLY SHALL HAVE A 17' MIN. HEIGHT ABOVE THE ROADWAY. THIS SHALL BE MEASURED AFTER THE SPAN WIRE INSTALLATION IS COMPLETED WITH ALL CABLES AND SIGNAL FACES IN PLACE. MAINTAIN MINIMUM AND MAXIMUM HEIGHTS AS ROADWAY WORK PROGRESSES.



SPAN WIRE
TEMPORARY SIGNALS
4 LANE ROADWAYS

SPAN WIRE TEMPORARY TRAFFIC SIGNAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June 2015
DATE
/S/ Ahmet Demerbilek
STATE ELECTRICAL ENGI 873

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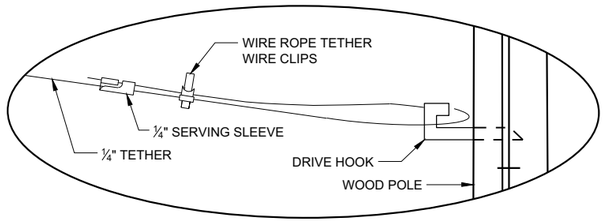
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MINIMUM POLE LENGTHS	CLASS	POLE BURIAL DEPTHS
25'	V	5'
30'	V	6'
35'	IV	7'
40'	IV	8'
45'	IV	9'

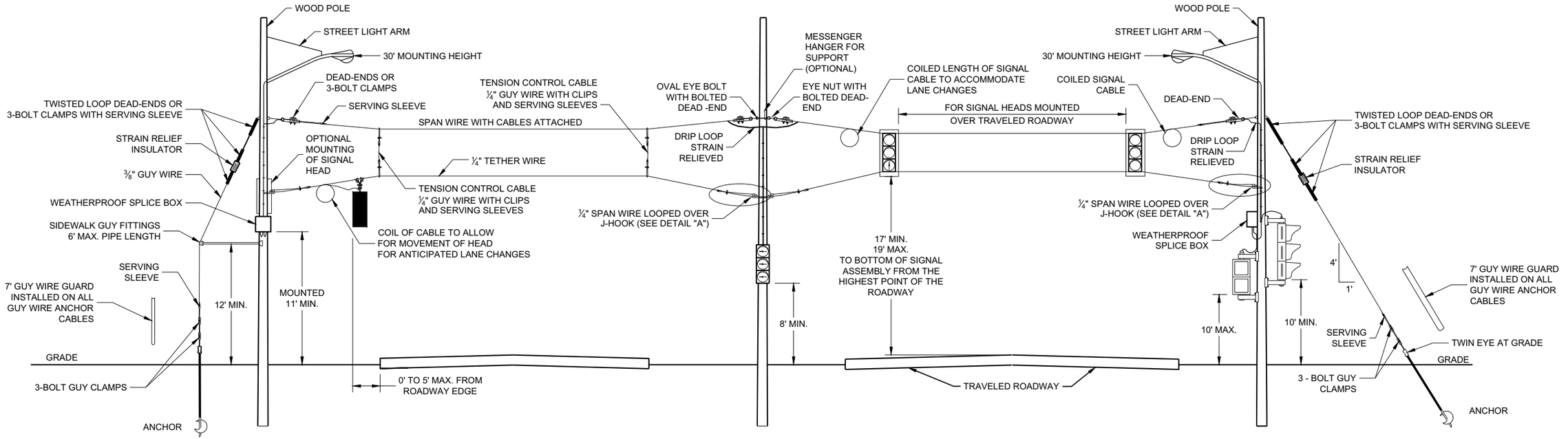


DETAIL "A"

GENERAL NOTES

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   - E. FAR INDICATION SHALL BE MAINTAINED OVER CENTER OF TRAFFIC LANE.
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SPAN WIRE
TEMPORARY SIGNALS
4 LANE ROADWAYS

SPAN WIRE TEMPORARY TRAFFIC SIGNAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June 2015
DATE

/S/ Ahmet Demerbilek
STATE ELECTRICAL ENGI 874

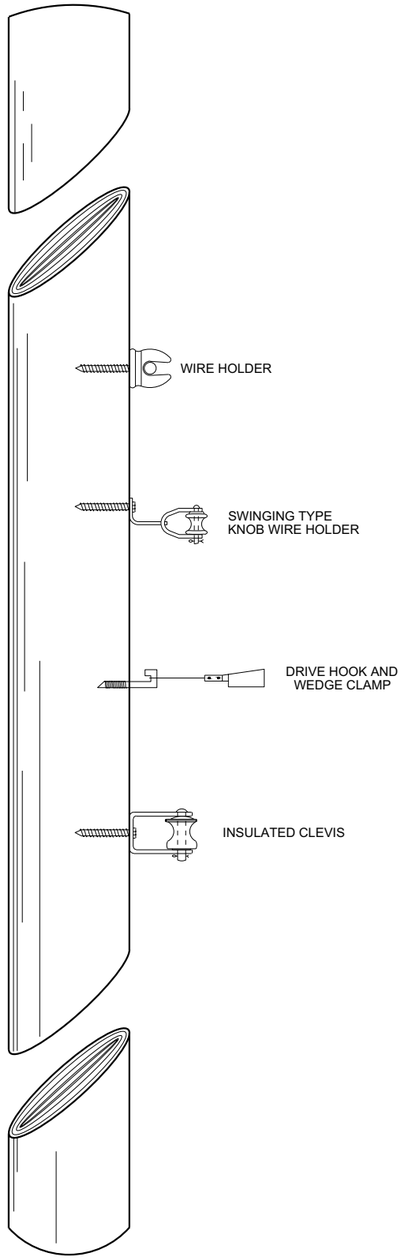
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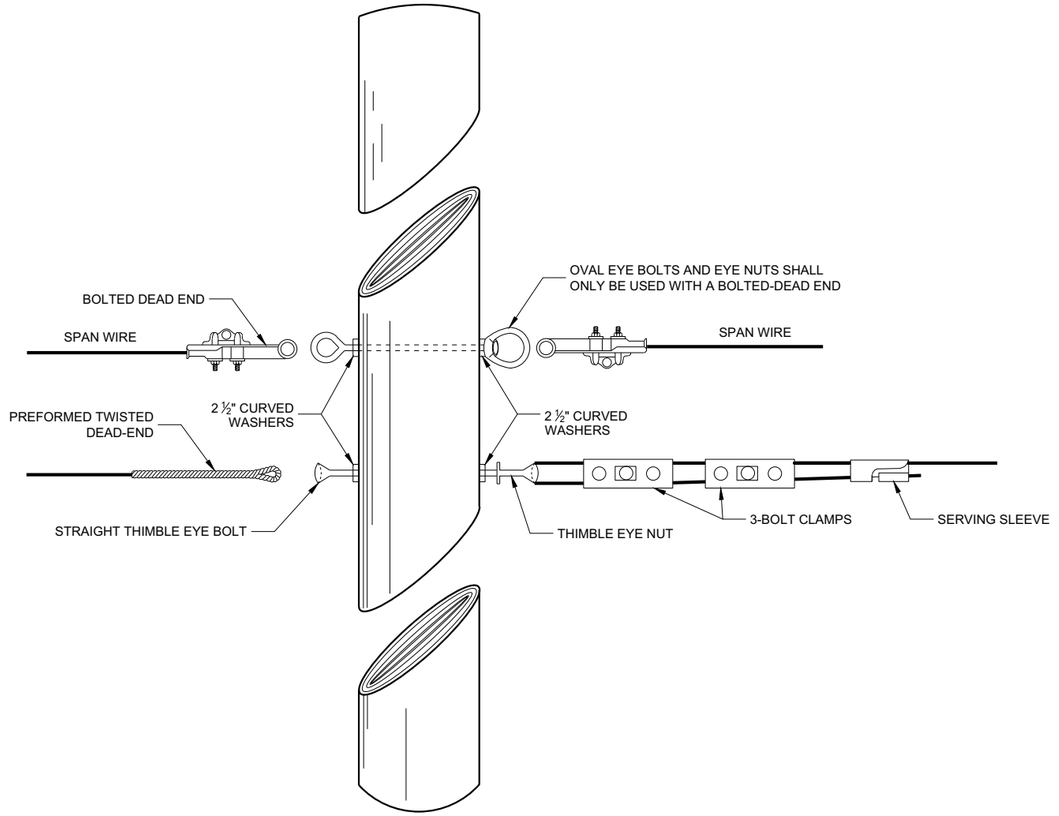
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SPAN WIRE TEMPORARY TRAFFIC SIGNAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

June 2015
DATE

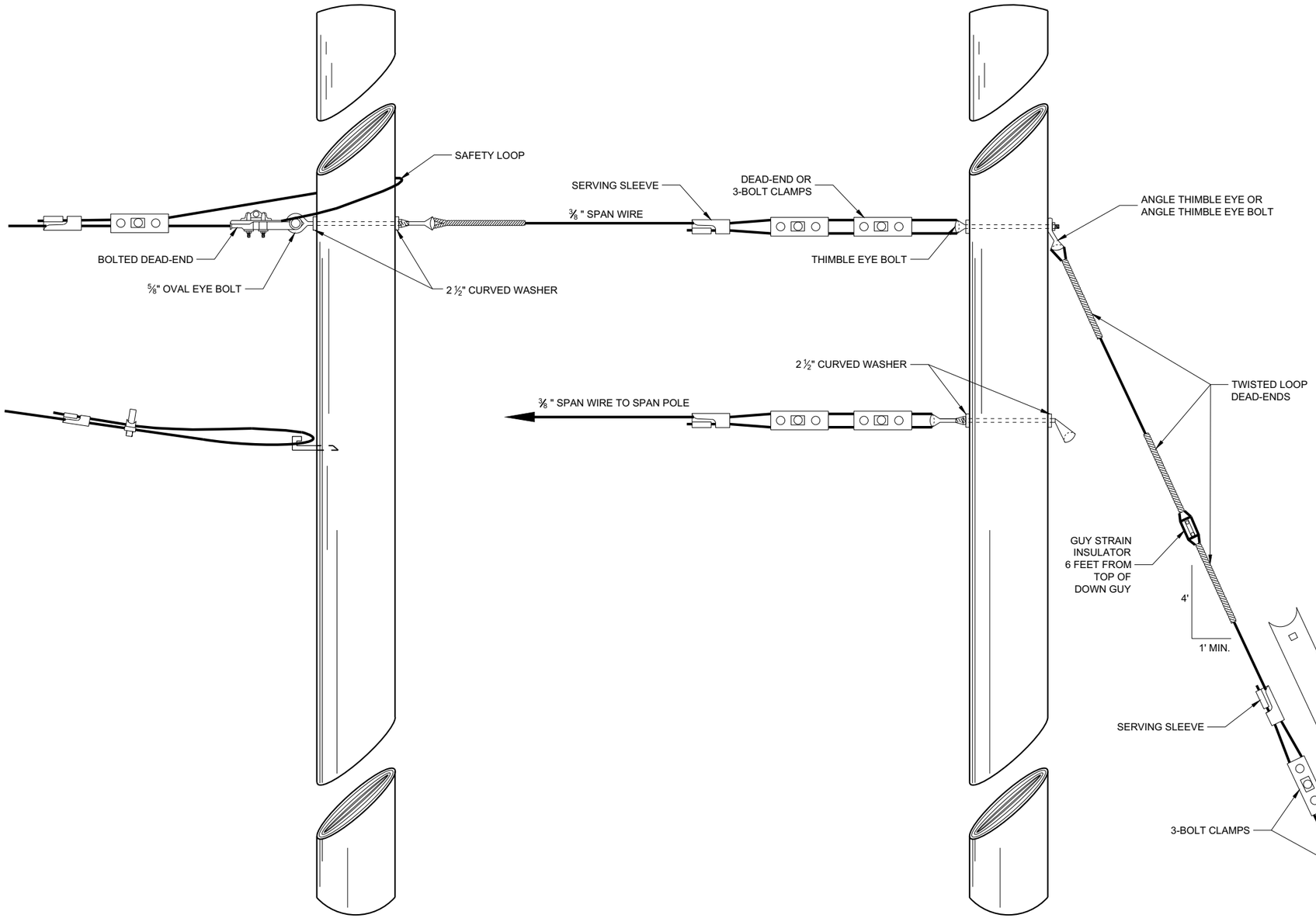
/S/ Ahmet Demerbilek
ROADWAY STANDARDS DEVE ENGINEER

875

FHWA

GENERAL NOTES

1. USE ¾" DRILL IN WOOD POLE TO PROVIDE FOR ⅝" BOLTS.
2. SAFETY LOOP REQUIRED ON EACH END OF ALL SPAN WIRES.



SPAN WIRE POLE

GUY POLE

TYPICAL DEAD-ENDINGS OR GUYING

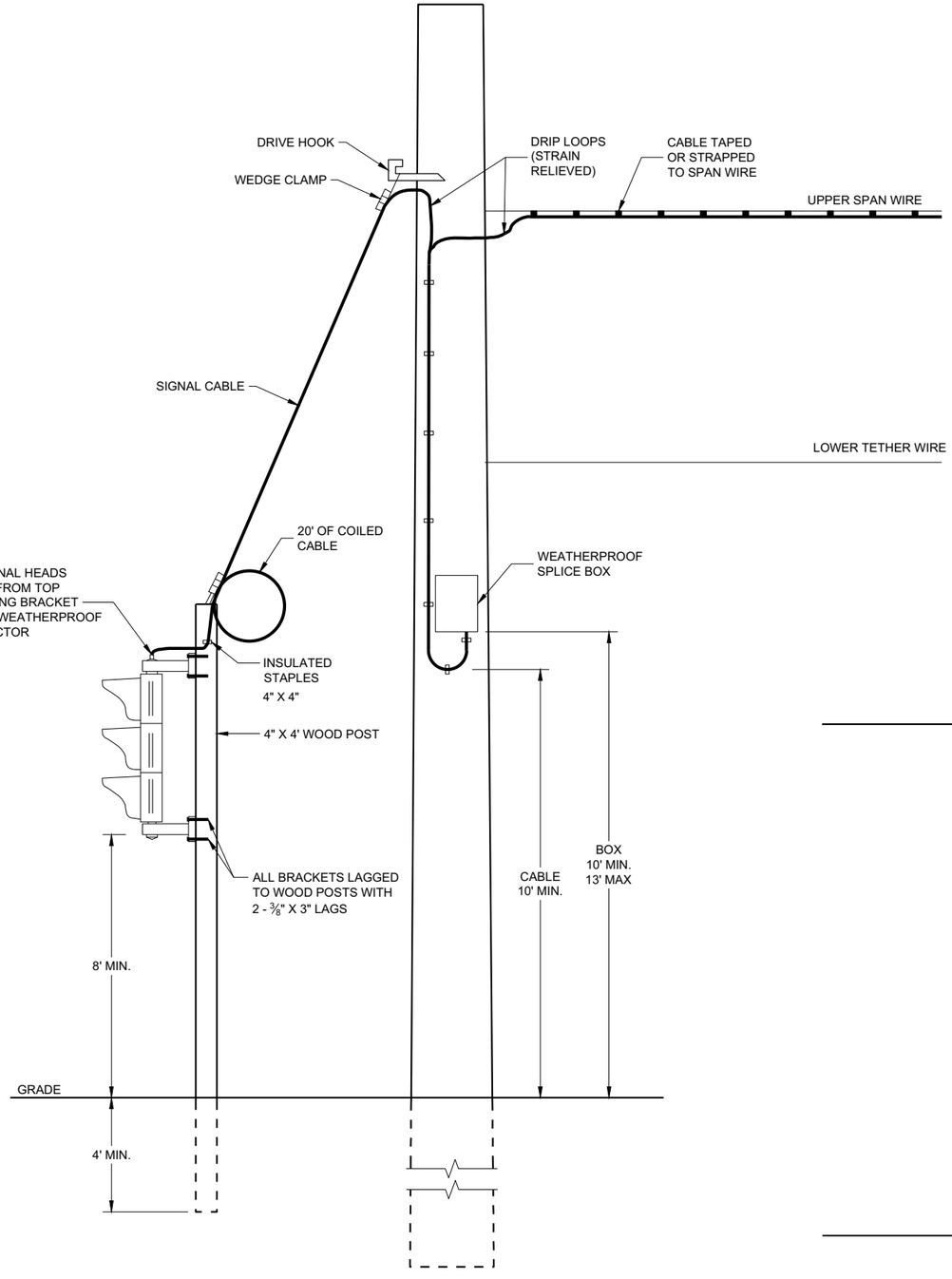
SPAN WIRE TEMPORARY TRAFFIC SIGNAL	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED June 2015 DATE	/S/ Ahmet Demerbilek ROADWAY STANDARDS DEVE ENGINEER
FHWA	876

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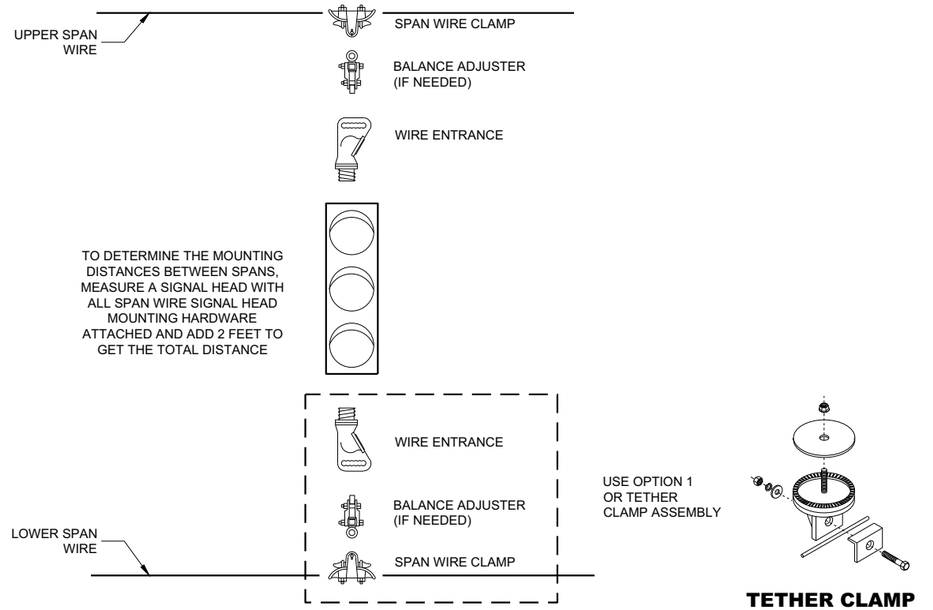
SDD 09G01 - 4e

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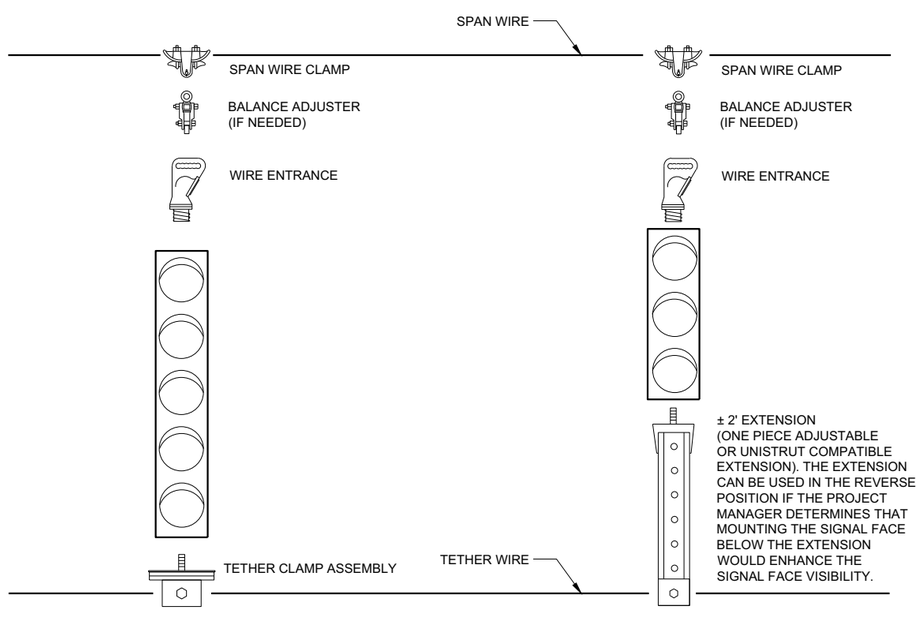
SDD 09G01 - 4e



TYPICAL DROP TO TEMPORARY MOVEABLE SIGNAL



TYPICAL SPAN WIRE MOUNTING HARDWARE



5 SECTION VERTICAL WITH 3 SECTION VERTICAL ON ONE SPAN WIRE

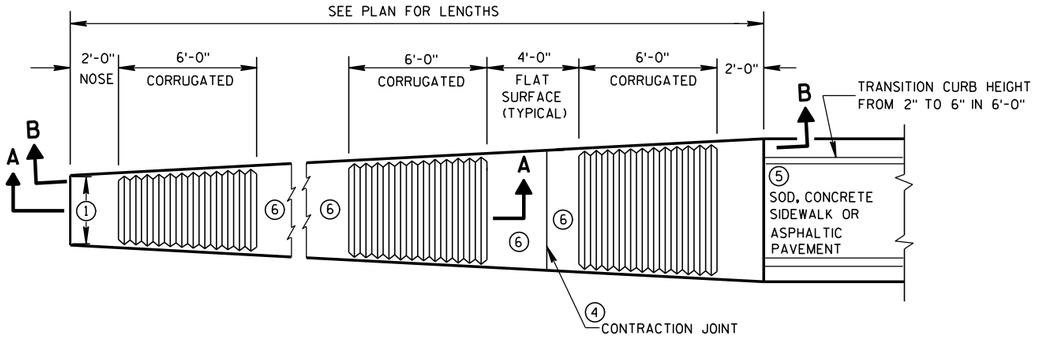
SPAN WIRE TEMPORARY TRAFFIC SIGNAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June 2015 — DATE
/S/ Ahmet Demerbilek — ROADWAY STANDARDS DEVE ENGINEER
877

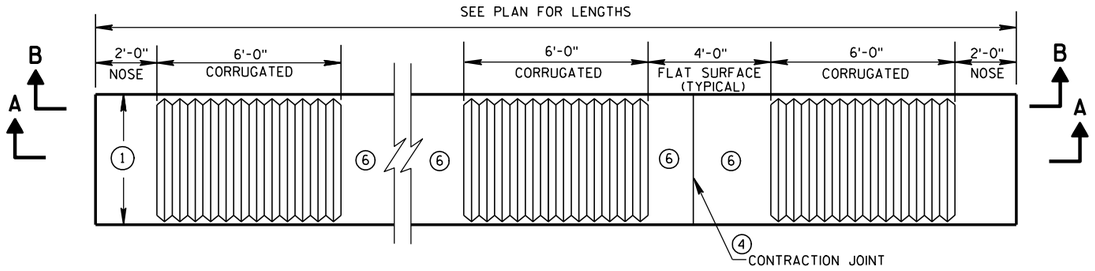
FHWA

6
SDD 09G01 - 4f



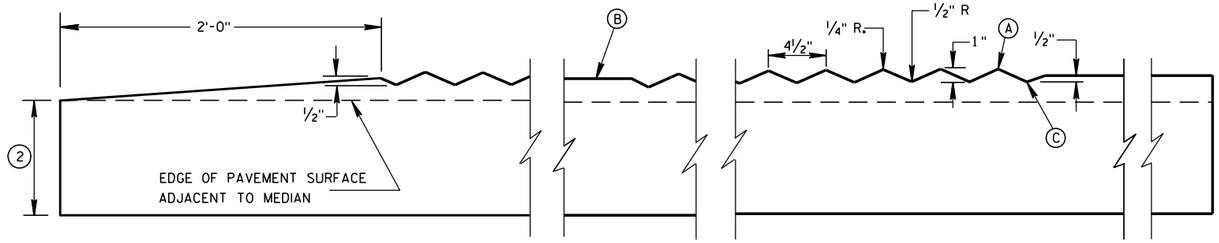
PLAN VIEW

VARIABLE WIDTH CONCRETE CORRUGATED MEDIAN



PLAN VIEW

UNIFORM WIDTH CONCRETE CORRUGATED MEDIAN



SECTION A-A

LONGITUDINAL SECTION

GENERAL NOTES

(1) SEE PLANS FOR CONSTANT OR VARIABLE WIDTH.

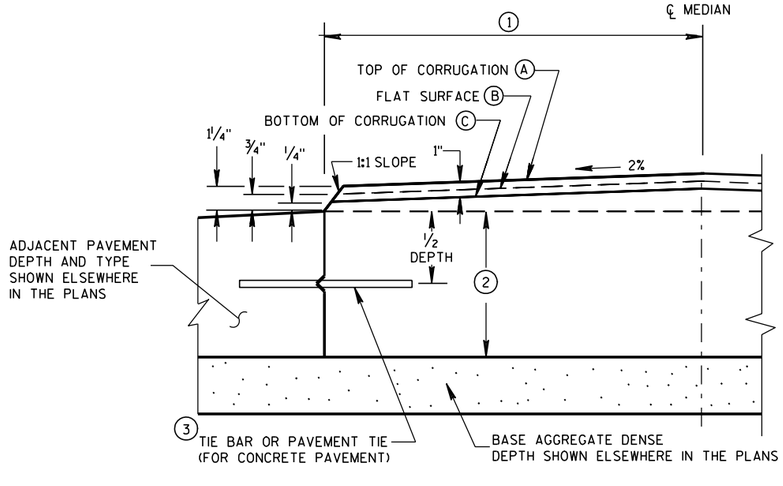
(2) THE DEPTH OF THE CONCRETE CORRUGATED MEDIAN SHALL BE 9-INCHES UNLESS SHOWN OTHERWISE IN THE PLAN.
ADJACENT PAVEMENT STRUCTURE DETAILS ARE SHOWN IN THE PLAN. TYPICAL OPTIONS ARE:
(1) NEW OR EXISTING CONCRETE PAVEMENT.
(2) ASPHALTIC CONCRETE OVER NEW OR EXISTING CONCRETE BASE COURSE, OR PAVEMENT.
(3) ASPHALTIC PAVEMENT OVER BASE AGGREGATE DENSE.

(3) TIE BARS OR PAVEMENT TIES REQUIRED IN NEW CONCRETE PAVEMENT OR CONCRETE BASE COURSE. TIE BARS SHALL BE NO. 4 X 2'-0" SPACED AT 2'-0" C-C.
INSTALL TIE BARS TO MAINTAIN A MINIMUM OF 3-INCHES OF COVER BETWEEN THE TIE BAR AND THE CONCRETE SURFACE (BOTTOM AND TOP).
PAVEMENT TIES REQUIRED IN EXISTING CONCRETE PAVEMENT OR CONCRETE BASE COURSE, PAVEMENT TIES SHALL BE NO. 6 X 1'-0" SPACED AT 3'-0" C-C INSTALLED ON A HORIZONTAL SKEW OF 6:1. THE DIRECTION OF SKEW SHALL ALTERNATE AFTER EVERY ONE OR TWO BARS.

(4) CONCRETE CORRUGATED MEDIAN CONTRACTION JOINTS SHALL BE CONSTRUCTED TO MATCH THE JOINTS IN ADJACENT CONCRETE PAVEMENT. WHERE ADJACENT PAVEMENT IS ASPHALT WITH BASE AGGREGATE DENSE. TRANSVERSE CONTRACTION JOINTS SHALL BE PROVIDED AT 20 FOOT INTERVALS.

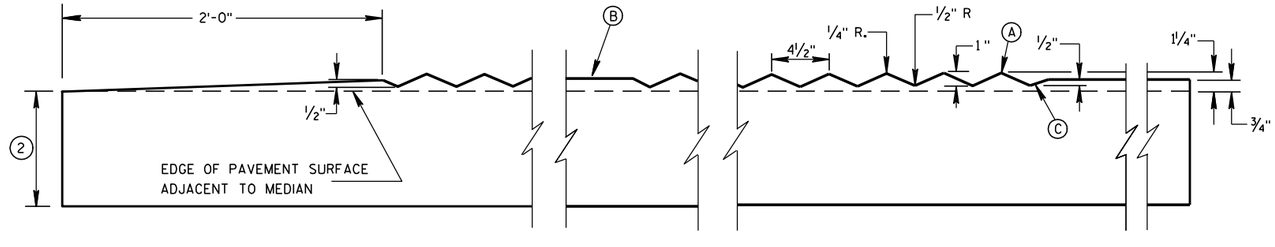
(5) SURFACE TYPE AND DETAILS ARE DEFINED ELSEWHERE IN THE PLAN.

(6) YELLOW MARKING ON FLAT SURFACE WHEN MEDIAN SEPARATES OPPOSING TRAFFIC.



HALF CROSS SECTION

(2) CONCRETE CORRUGATED MEDIAN AND ADJACENT PAVEMENT



SECTION B-B

LONGITUDINAL SECTION

CONCRETE CORRUGATED MEDIAN

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

12/17/07
DATE

/S/ Jerry H. Zogg
ROADWAY STANDARDS DEVELOPMENT ENGINEER

FHWA

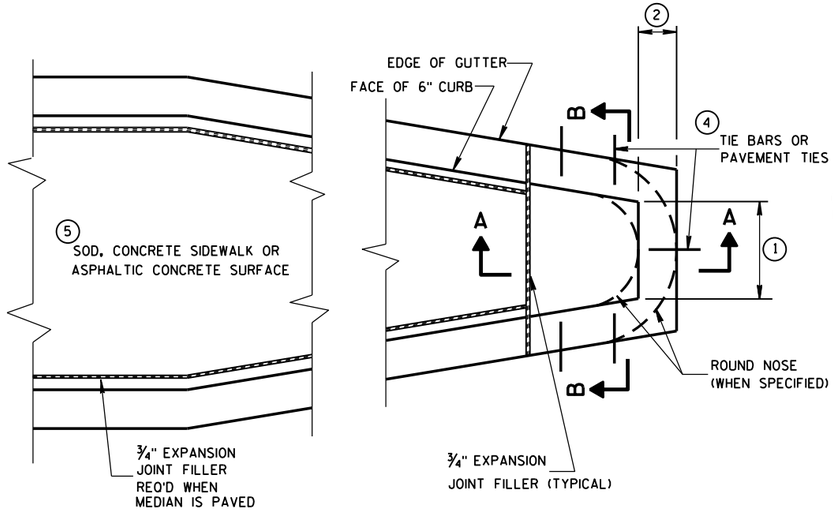
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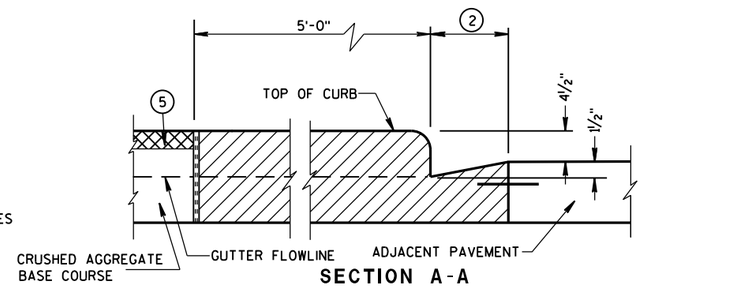
6

S.D.D. 11 B 1-5

6

S.D.D. 11 B 1-5





CONCRETE MEDIAN BLUNT NOSE DETAIL

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

(1) SEE PLAN FOR MEDIAN NOSE WIDTH AND RADIUS (FOR ROUND NOSE ALTERNATE).

(2) WIDTH OF GUTTER TO MATCH EXISTING ADJACENT GUTTER OR AS SPECIFIED ELSEWHERE IN THE PLAN.

(3) DEPTH EQUAL TO ADJACENT PAVEMENT. ADJACENT PAVEMENT STRUCTURE DETAILS ARE SHOWN ON THE PLAN. TYPICAL OPTIONS ARE:

(1) NEW OR EXISTING CONCRETE PAVEMENT.

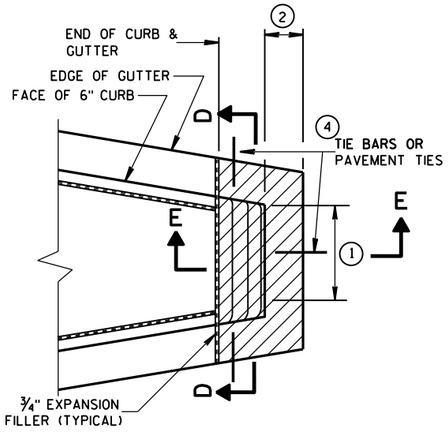
(2) ASPHALTIC CONCRETE PAVEMENT OVER NEW OR EXISTING CONCRETE BASE COURSE.

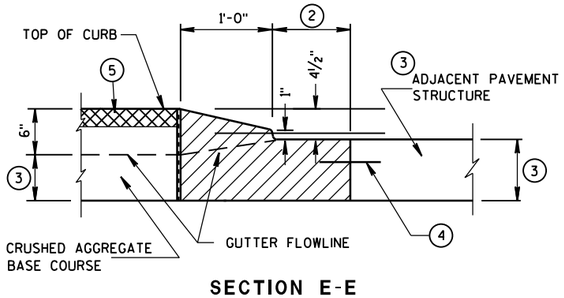
(3) ASPHALTIC CONCRETE PAVEMENT OVER CRUSHED AGGREGATE BASE COURSE.

(4) TIE BARS OR PAVEMENT TIES REQUIRED IN NEW CONCRETE PAVEMENT OR CONCRETE BASE COURSE. TIE BARS SHALL BE NO. 4 X 2'-0" SPACED AT 2'-0" C-C.

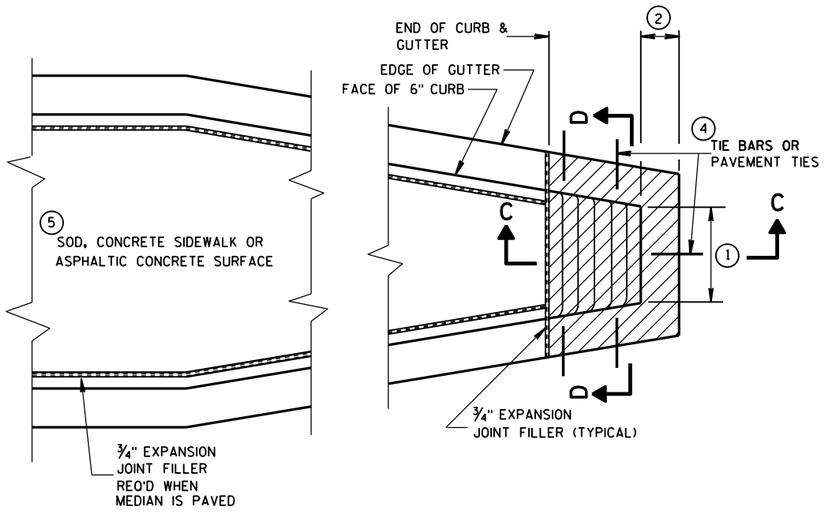
PAVEMENT TIES REQUIRED IN EXISTING CONCRETE BASE COURSE. PAVEMENT TIES SHALL BE NO. 6 X 1'-0" SPACED AT 3'-0" C-C INSTALLED ON A HORIZONTAL SKEW OF 6:1. THE DIRECTION OF SKEW SHALL ALTERNATE AFTER EVERY ONE OR TWO BARS.

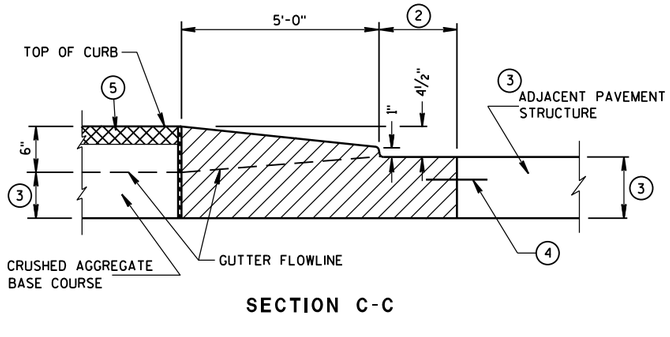
(5) SURFACE TYPE AND DETAILS ARE SHOWN ELSEWHERE IN THE PLAN.



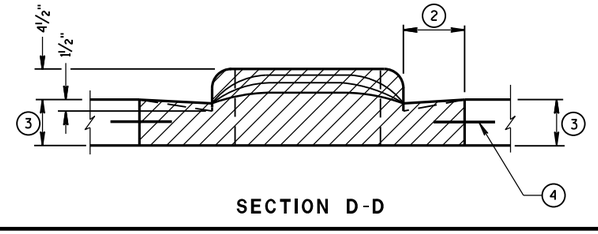


CONCRETE MEDIAN SLOPED NOSE TYPE 2





CONCRETE MEDIAN SLOPED NOSE TYPE 1



CONCRETE MEDIAN NOSE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

6/8/2006
DATE

/S/ Jerry H. Zogg
ROADWAY STANDARDS DEVELOPMENT ENGINEER

879

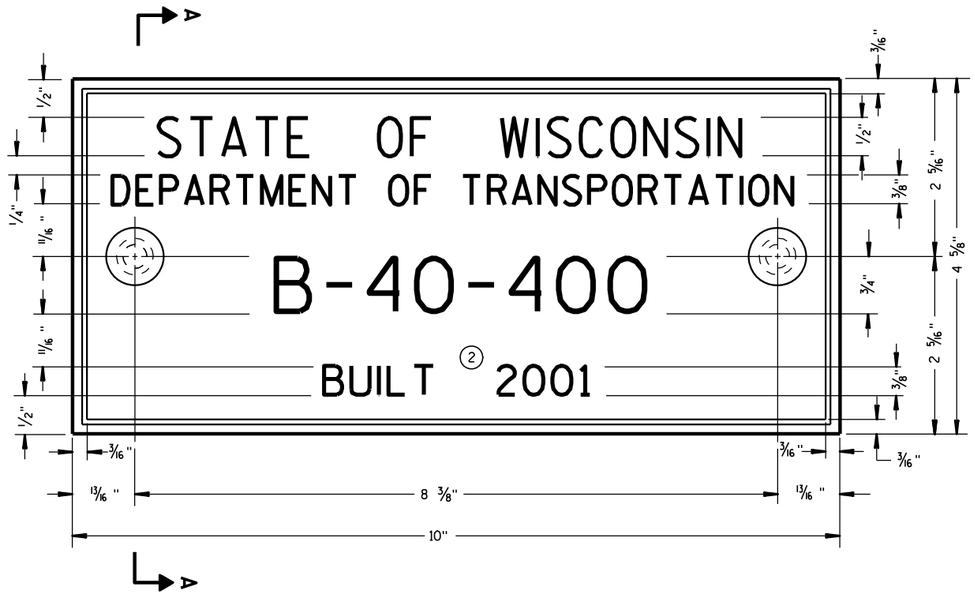
FHWA

6

S.D.D. 11 B 2-2

6

S.D.D. 11 B 2-2



TYPICAL NAME PLATE
(BRIDGES, CULVERTS, AND RETAINING WALLS)

FOR MULTI-UNIT STRUCTURES
LINE 3 ABOVE SHALL READ

B = BRIDGE
C = CULVERT
R = RETAINING WALL

COUNTY NO.

BRIDGE NO.

UNIT NO. FOR MULTIPLE UNIT BRIDGE

B-40-400-1A

NUMBERING DESIGNATION
MULTI-UNIT STRUCTURES

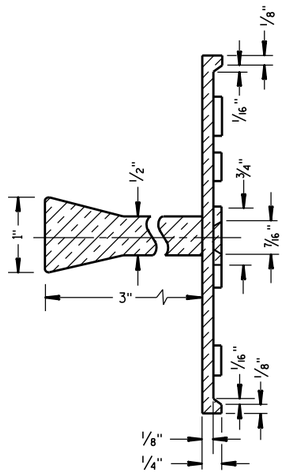
GENERAL NOTES

NAME PLATES TO BE INSTALLED ON BRIDGES, CULVERTS, AND RETAINING WALLS SHALL CONFORM TO THE REQUIREMENTS OF SECTION 502.3.11 OF THE STANDARD SPECIFICATIONS.

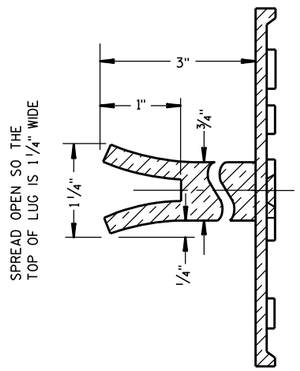
THE BRIDGE NUMBER AND YEAR BUILT SHOWN ON THIS DRAWING ARE EXAMPLES ONLY. SEE CONSTRUCTION PLANS FOR INDIVIDUAL NUMBERING AND YEAR BUILT.

(1) EPOXY RESIN SHALL BE FROM AN APPROVED MANUFACTURER AND USED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.

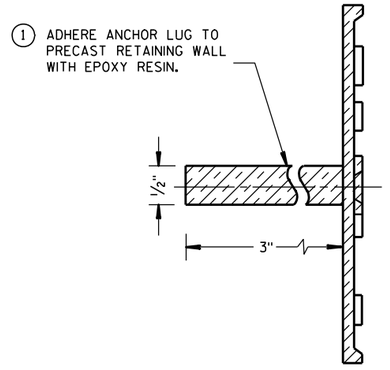
(2) REHABILITATION OF AN EXISTING STRUCTURE SHOULD USE THE DATE OF ORIGINAL STRUCTURE CONSTRUCTION.



SECTION A-A



ALTERNATE LUG



ALTERNATE LUG
(FOR ATTACHMENT TO PRECAST STRUCTURES)

NAME PLATE (STRUCTURES)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

3/26/10 DATE

/S/ Scot Beck -- CHIEF STRUCTURAL DEVELOP 880 ENGINEER

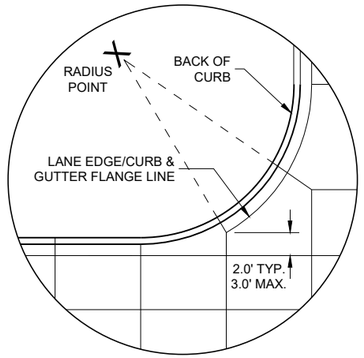
FHWA

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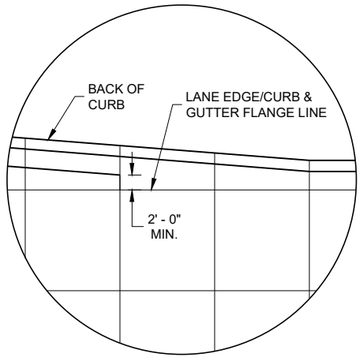
S.D.D. 12 A 3-10

6

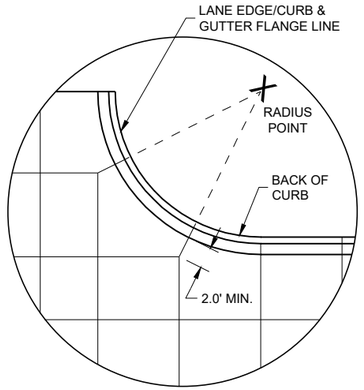
S.D.D. 12 A 3-10



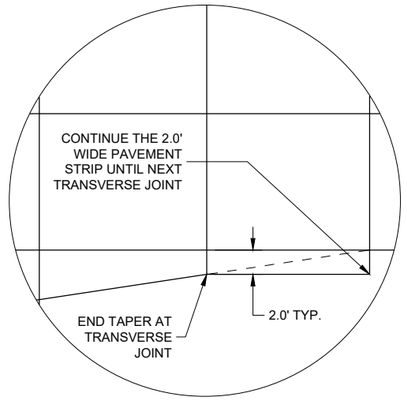
DETAIL "A"



DETAIL "B"



DETAIL "C"



DETAIL "D"

GENERAL NOTES

THE PRIMARY ROADWAY CONTROLS THE TRANSVERSE JOINT PATTERN.

ALIGN NEW JOINTS WITH EXISTING JOINTS OR CRACKS.

CONSTRUCT TRANSVERSE JOINTS PERPENDICULAR TO THE ROADWAY.

ADJUST TRANSVERSE JOINTS TO ALIGN WITH UTILITY FIXTURES (E.G MANHOLES AND INLETS) IN THE PAVEMENT STRUCTURE WHEN POSSIBLE. WATER VALVES DO NOT REQUIRE JOINT ADJUSTMENT.

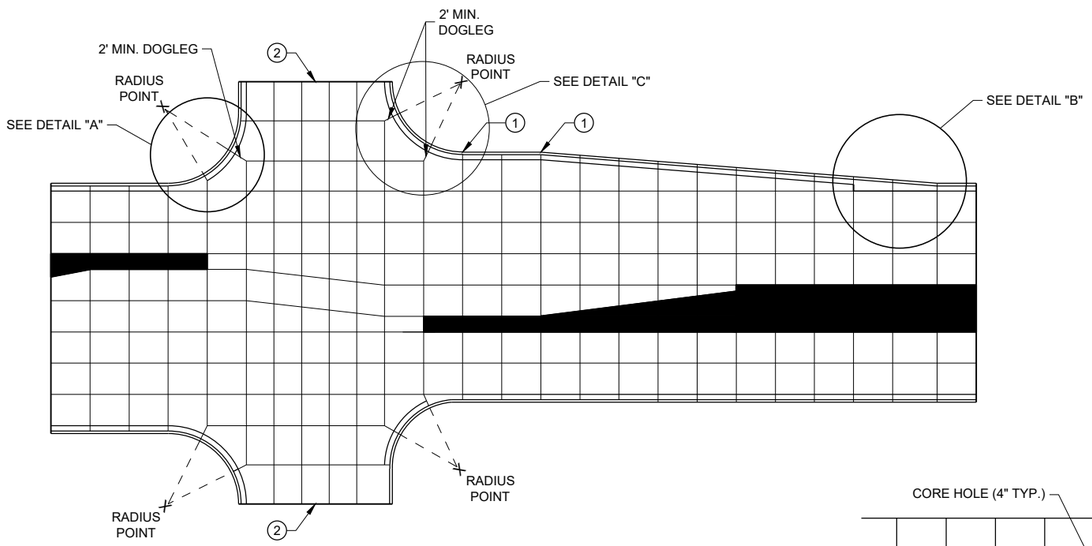
AVOID SLABS LESS THAN 2 FEET WIDE OR GREATER THAN 15 FEET WIDE.

SEE TABLE FOR TRANSVERSE JOINT SPACING. JOINT SPACING SPECIFIED IS MAXIMUM AND ACTUAL SPACING CAN BE ADJUSTED TO ACCOMMODATE INTERSECTIONS.

AVOID ANGLES LESS THAN 60° BY DOGLEGGING JOINTS THROUGH CURVE RADIUS POINTS. USE 90° ANGLES WHEN POSSIBLE.

CORRELATE LONGITUDINAL JOINTS WITH LANE LINES WHEN POSSIBLE.

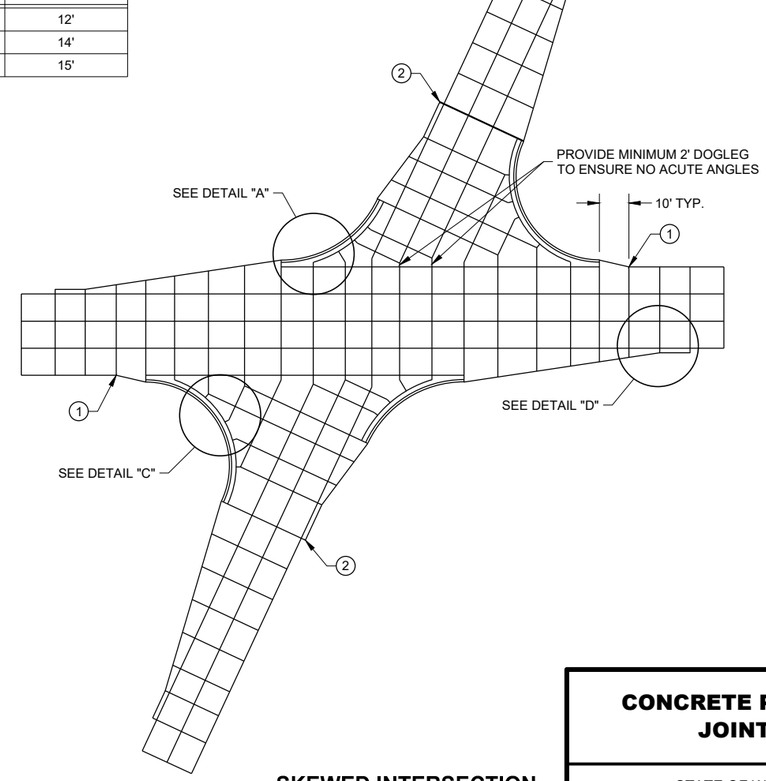
1. PROVIDE TRANSVERSE JOINTS AT ALL PAVEMENT WIDTH CHANGES.
2. CONSTRUCT DOWELED EXPANSION JOINT ON THE SIDE ROAD OF AN INTERSECTION IF THE SIDE ROAD IS CONCRETE PAVEMENT AND GREATER THAN 300 FEET IN LENGTH. ALIGN EXPANSION JOINT WITH EDGE OF RADIUS.
3. THE ENGINEER MAY APPROVE SLIGHT VARIATIONS FROM THESE JOINTING DETAILS.



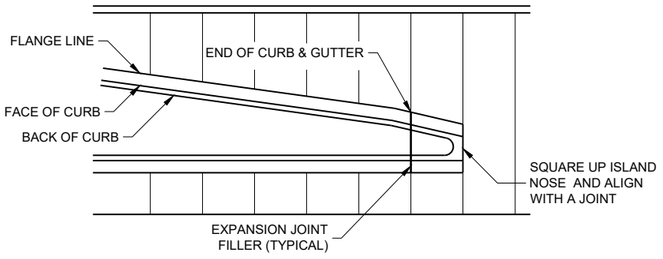
STANDARD INTERSECTION

PAVEMENT DEPTH AND JOINT SPACING TABLE

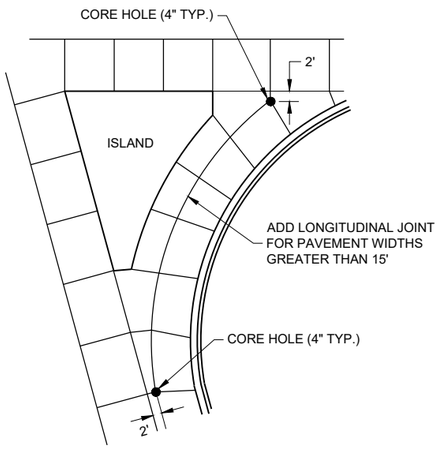
PAVEMENT DEPTH (D)	CONTRACTION JOINT SPACING
6", 6 ½"	12'
7", 7 ½"	14'
8" & ABOVE	15'



SKEWED INTERSECTION



APPROACH TO MEDIAN



LARGE RIGHT TURN

CONCRETE PAVEMENT JOINTING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 13C18 - 08a

6

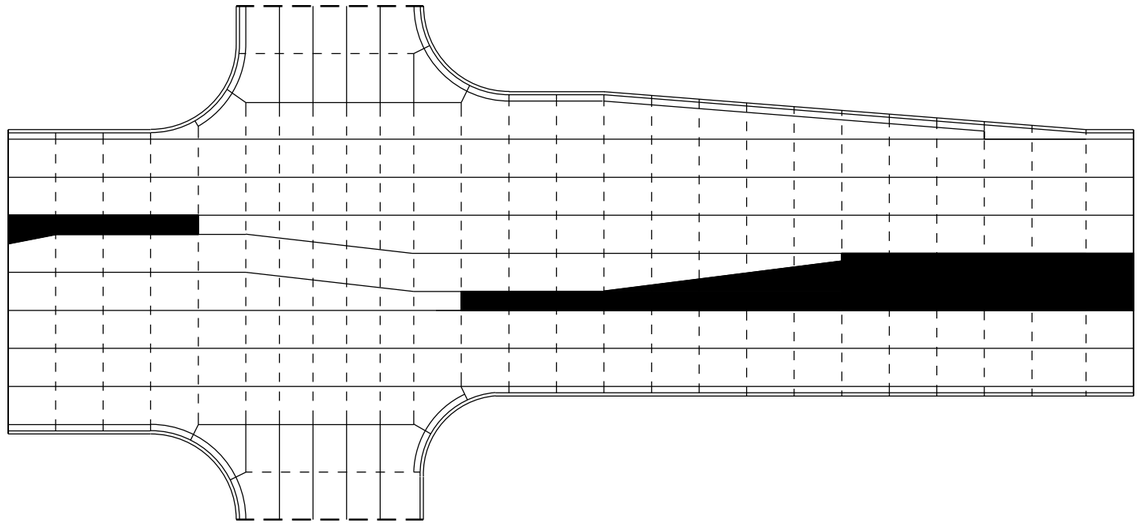
SDD 13C18 - 08a

LEGEND

POTENTIAL DOWELED EXPANSION JOINT

DOWELED JOINT

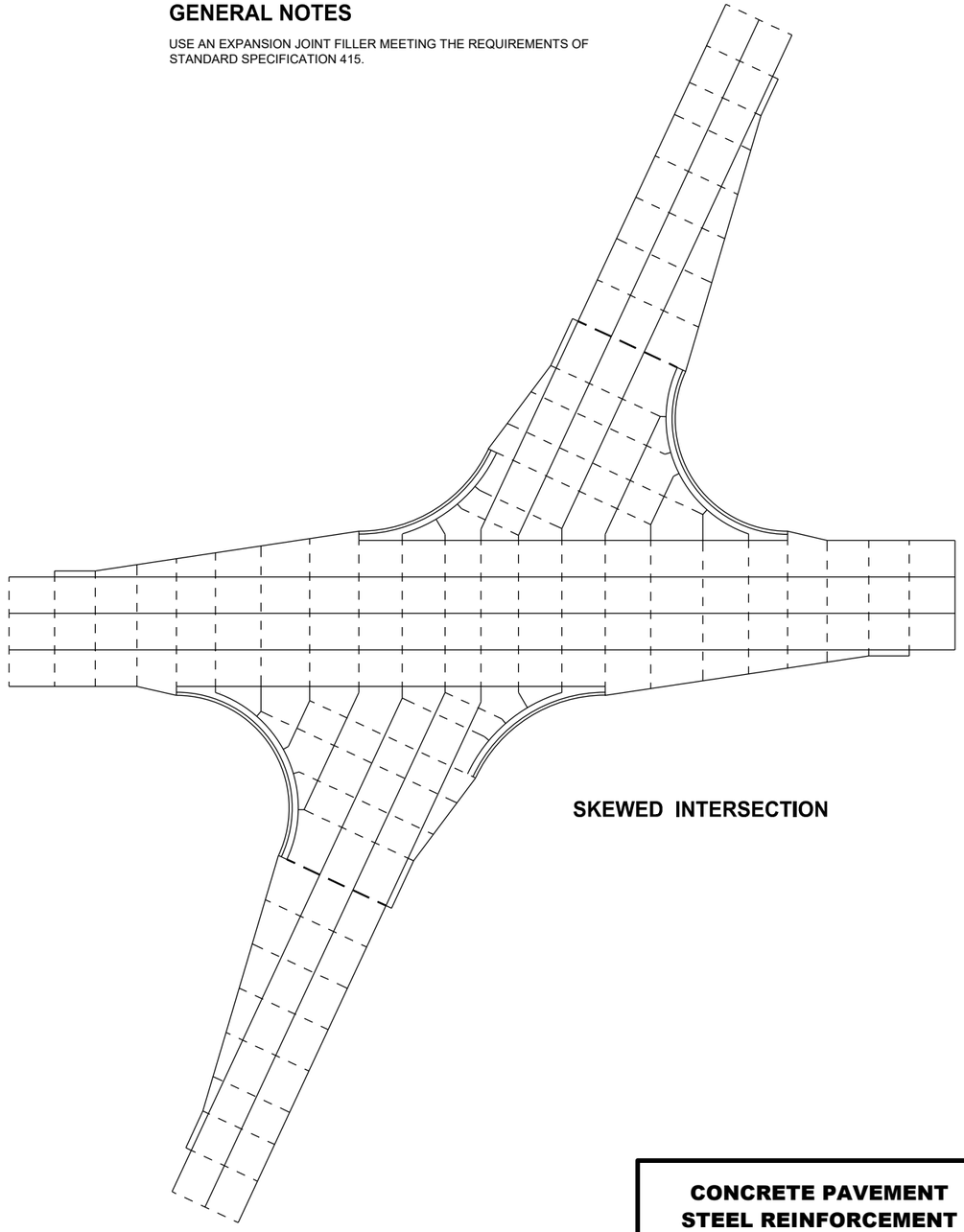
TIED JOINT



STANDARD INTERSECTION

GENERAL NOTES

USE AN EXPANSION JOINT FILLER MEETING THE REQUIREMENTS OF STANDARD SPECIFICATION 415.



SKEWED INTERSECTION

6

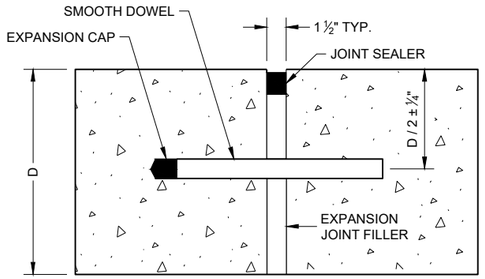
SDD 13C18 - 08b

CONCRETE PAVEMENT STEEL REINFORCEMENT

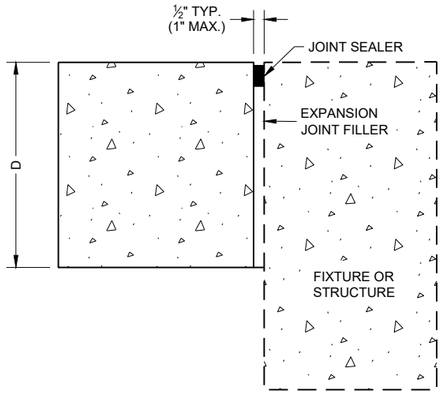
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 13C18 - 08b



DOWELED TRANSVERSE (1)



UNTIED - LONGITUDINAL

EXPANSION JOINTS

TIE BAR TABLE

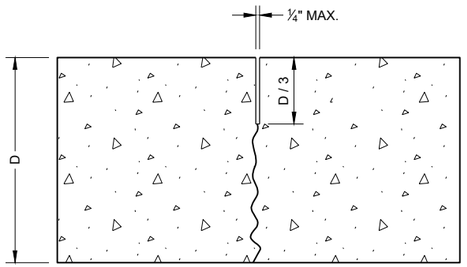
PAVEMENT DEPTH (D)	TIE BAR SIZE	TIE BAR LENGTH (L)	MAX. TIE BAR SPACING
< 10 ½"	NO. 4	30"	36"
≥ 10 ½"	NO. 5	36"	36"
	NO. 4 *	30"	24" **

* SUBSTITUTE BENT BARS AT LONGITUDINAL JOINTS WHEN EQUIPMENT LIMITATIONS DURING CONSTRUCTION WARRANT (e.g. AUXILIARY LANES OR TURN LANES)

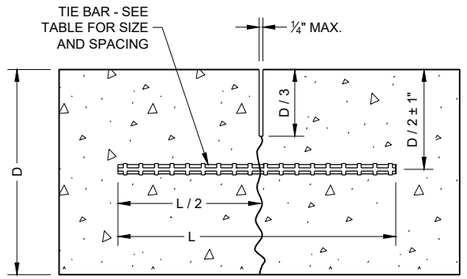
** CONFORM TO 15" MINIMUM SPACING FROM TRANSVERSE JOINTS; SPACING BETWEEN TIE BARS WILL BE 30" AT TRANSVERSE JOINTS.

GENERAL NOTES

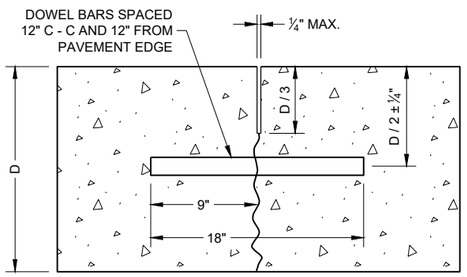
1. USE DOWELED EXPANSION JOINTS ON SIDE ROADS AT INTERSECTIONS (TO ISOLATETHE SIDE ROAD FROM THE THROUGH STREET) IF THE SIDE ROAD IS CONCRETE PAVEMENT AND GREATER THAN 300 FEET IN LENGTH.
2. SPACE CONTRACTION JOINTS IN ACCORDANCE WITH SDD 13C4, 13C11 OR 13C13.
3. LOCATE CONSTRUCTION JOINTS A MINIMUM OF 6 FEET FROM THE NEAREST CONTRACTION JOINT AND ALIGN PARALLEL TO CONTRACTION JOINTS.
4. CONSTRUCTION JOINTS CAN BE FORMED OR SAWED.
5. IF JOINT IS FORMED, PROVIDE A ¼" RADIUS.
6. ANCHOR TIE BARS INTO DRILLED HOLES WITH AN EPOXY.



UNDOWELED TRANSVERSE

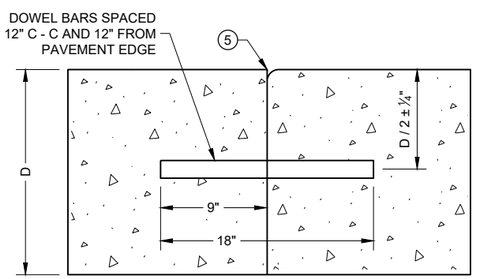


TIED LONGITUDINAL

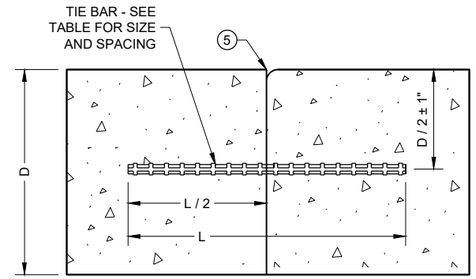


DOWELED TRANSVERSE

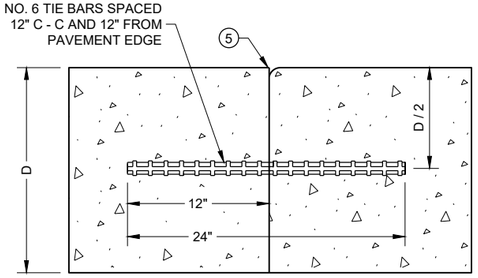
CONTRACTION JOINTS (2)



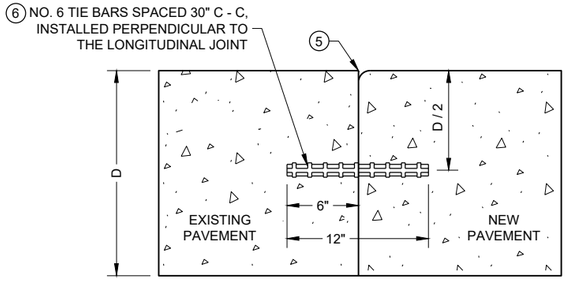
DOWELED TRANSVERSE (3)



TIED LONGITUDINAL



TIED TRANSVERSE (3)
(FOR USE ON NON-DOWELED PAVEMENTS ONLY)



TIED LONGITUDINAL TO EXISTING

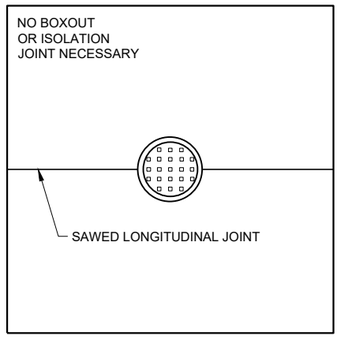
CONSTRUCTION JOINTS (4)

CONCRETE PAVEMENT JOINT TYPES

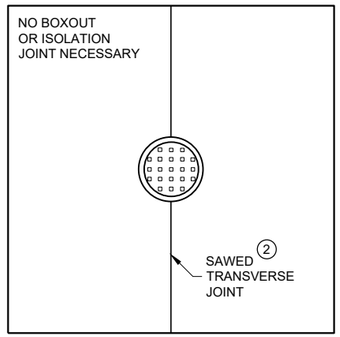
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

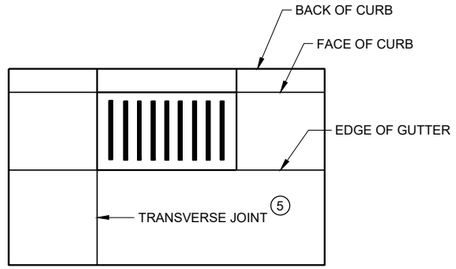
SDD 13C18 - 08c



MANHOLE WITH LONGITUDINAL JOINT



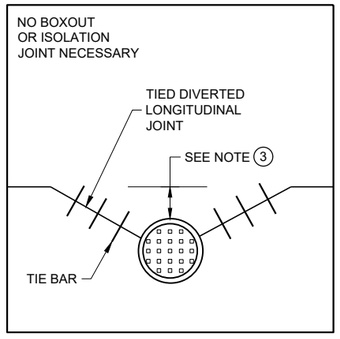
MANHOLE WITH TRANSVERSE JOINT



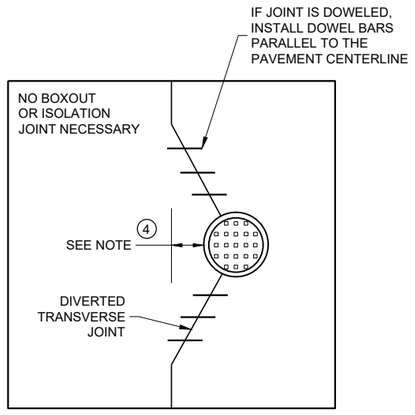
INLET WITH TRANSVERSE JOINT

GENERAL NOTES

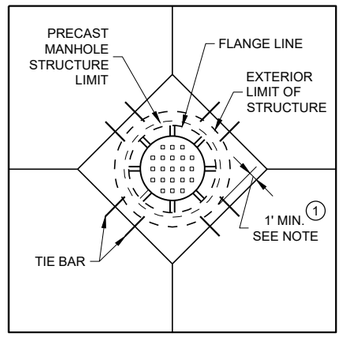
1. USE BOXOUTS WHEN UTILITY STRUCTURE IS IN THE PATH OF CONSTRUCTION JOINTS. PROVIDE A 1 FOOT MINIMUM CLEARANCE BETWEEN THE EXTERIOR LIMIT OF THE STRUCTURE TO THE DIAMOND BOXOUT.
2. ADJUST TRANSVERSE JOINT TO INTERSECT MANHOLE IF POSSIBLE.
3. IF DISTANCE BETWEEN THE LONGITUDINAL JOINT AND THE EDGE OF MANHOLE IS 2 FEET OR LESS, DIVERT THE LONGITUDINAL JOINT AT A 2:1 TAPER RATE TO THE CENTER OF THE MANHOLE. IF THE DISTANCE IS GREATER THAN 2 FEET, DO NOT DIVERT THE JOINT AND SAW AS NORMAL. PLACE REINFORCEMENT REBAR AROUND THE MANHOLE.
4. IF THE DISTANCE FROM THE EDGE OF THE MANHOLE TO THE NEAREST TRANSVERSE JOINT IS LESS 4 FEET OR LESS, REDIRECT JOINT TO INTERSECT THE CENTER OF THE MANHOLE. IF DISTANCE IS GREATER THAN 4 FEET, DO NOT DIVERT THE JOINT AND SAW AS NORMAL. PLACE REINFORCEMENT REBAR AROUND THE MANHOLE.
5. ALIGN TRANSVERSE JOINT WITH ONE EDGE OF INLET WHEN PRACTICAL.



MANHOLE WITH DIVERTED LONGITUDINAL CONTRACTION JOINT



MANHOLE WITH DIVERTED TRANSVERSE CONTRACTION JOINT



DIAGONAL MANHOLE BOXOUT FOR CONSTRUCTION JOINTS

CONCRETE PAVEMENT JOINTING AT UTILITY FIXTURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023
DATE

/S/ Peter Kemp P.E.
PAVEMENT SUPERVISO 884

FHWA

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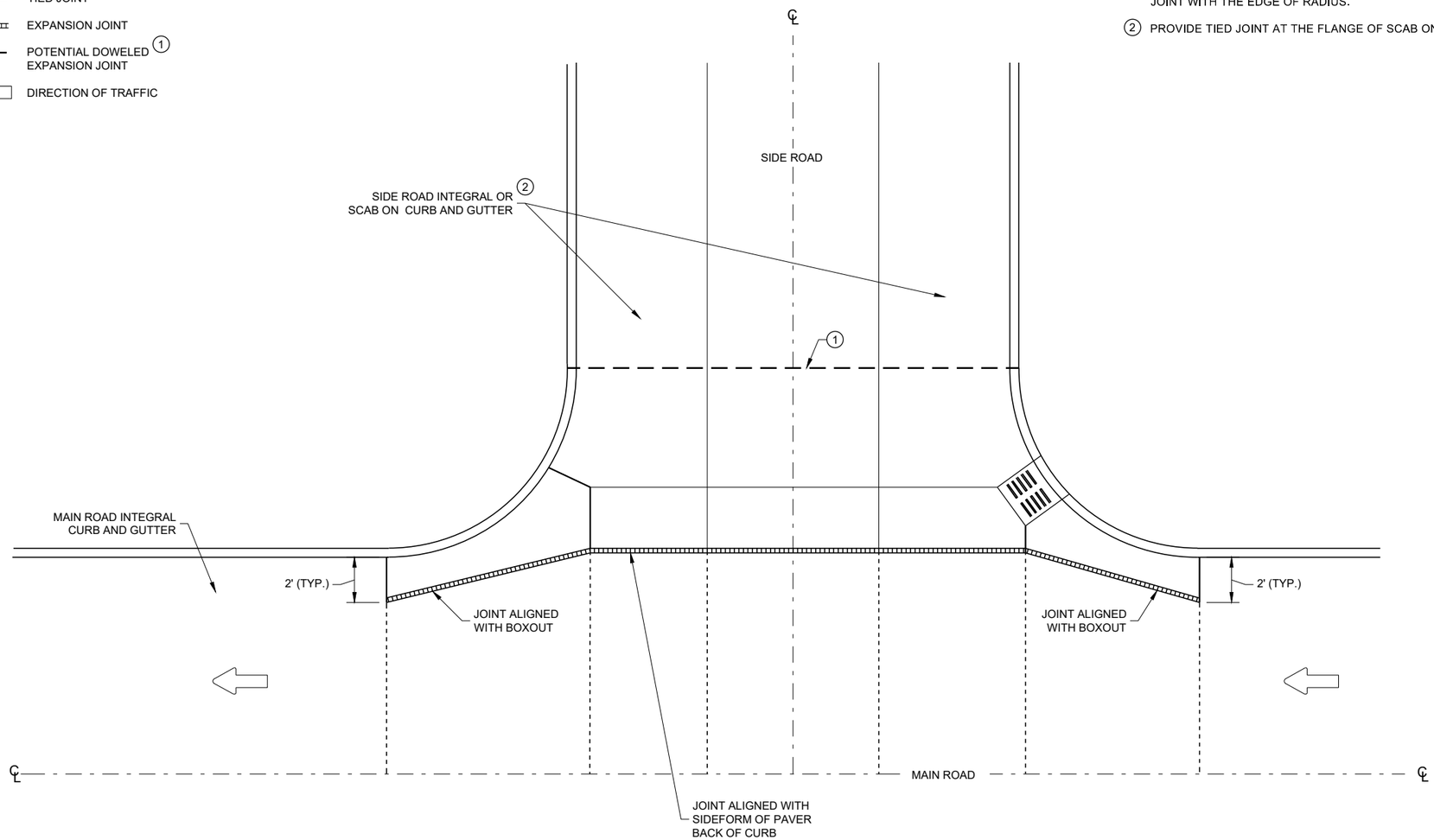
SDD13C18 - 08d

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SDD13C18 - 08d

LEGEND

- DOWELED JOINT
- TIED JOINT
- EXPANSION JOINT
- POTENTIAL DOWELED EXPANSION JOINT (1)
- DIRECTION OF TRAFFIC



GENERAL NOTES

(1) CONSTRUCT DOWELED EXPANSION JOINT ON THE SIDE ROAD OF AN INTERSECTION IF THE SIDE ROAD IS CONCRETE PAVEMENT AND GREATER THAN 300 FEET IN LENGTH. ALIGN EXPANSION JOINT WITH THE EDGE OF RADIUS.

(2) PROVIDE TIED JOINT AT THE FLANGE OF SCAB ON CURB IF SCAB ON CURB AND GUTTER IS USE.

INTERSECTION BOXOUT FOR INTEGRAL CURB AND GUTTER

CONCRETE PAVEMENT INTERSECTION BOXOUT FOR INTEGRAL CURB AND GUTTER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023
DATE

/S/ Peter Kemp P.E.
PAVEMENT SUPERVIS 885

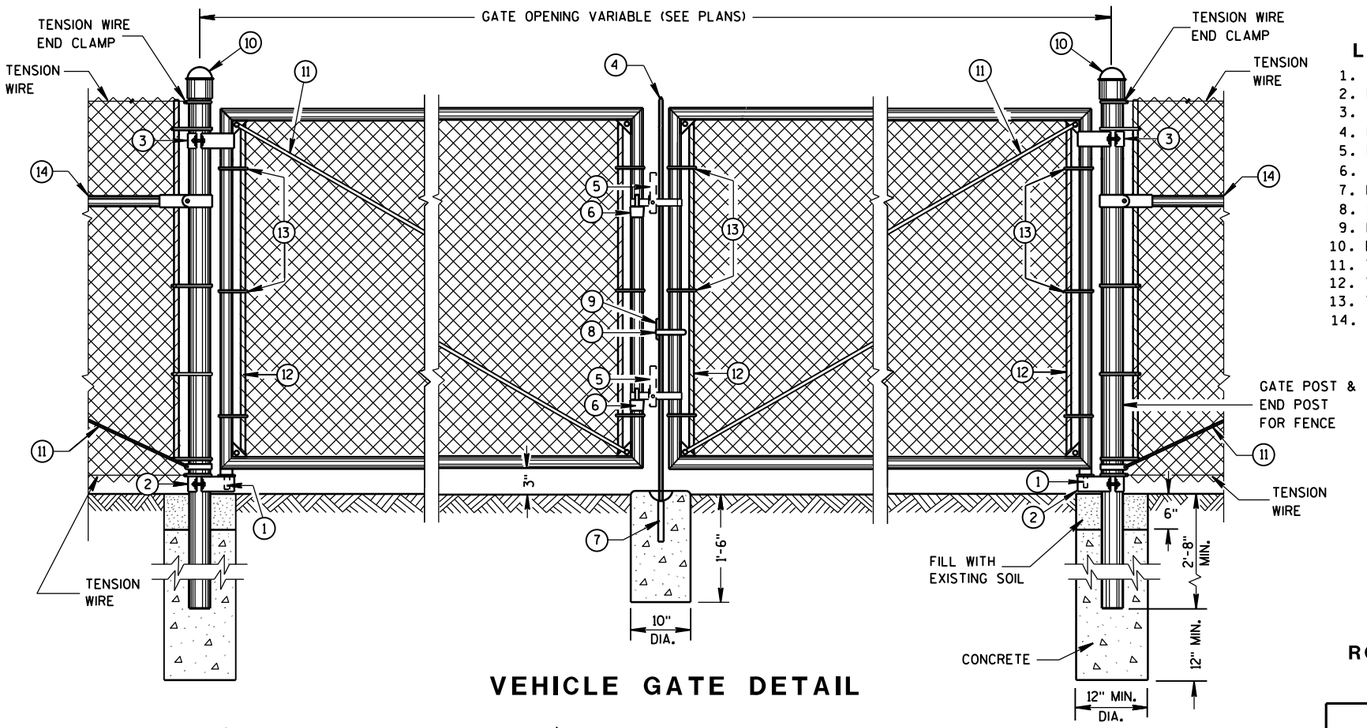
FHWA

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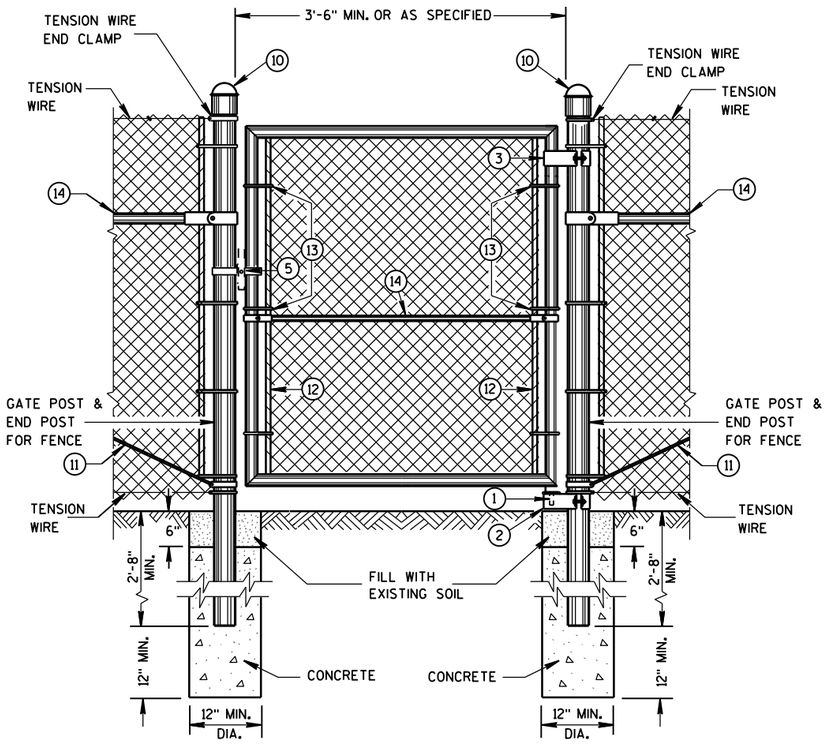
SDD 13C18 - 08f

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SDD 13C18 - 08f



VEHICLE GATE DETAIL



PEDESTRIAN GATE DETAIL

LEGEND

1. STRAIGHT PLUG
2. BOTTOM HINGE
3. TOP HINGE
4. PLUNGER ROD
5. FULCRUM LATCH
6. FORK CATCH *
7. PLUNGER ROD CATCH
8. LOCK KEEPER GUIDE
9. LOCK KEEPER
10. DOME TOPS
11. TRUSS RODS
12. TENSION BAR
13. TENSION BANDS
14. BRACE RAIL

*NOT REQUIRED ON SINGLE SWING PEDESTRIAN GATE

GENERAL NOTES

FENCE POSTS INSTALLED ON CONCRETE WALLS SHALL BE ANCHORED INTO EMBEDDED METAL SLEEVES OR CORED HOLE BY FILLING THE ANNULAR SPACE WITH PEA GRAVEL FOLLOWED BY AN EPOXY RESIN ADHESIVE. THE EPOXY RESIN ADHESIVE SHALL CONFORM TO THE REQUIREMENTS OF AASHTO M 235, CLASS A, B OR C.

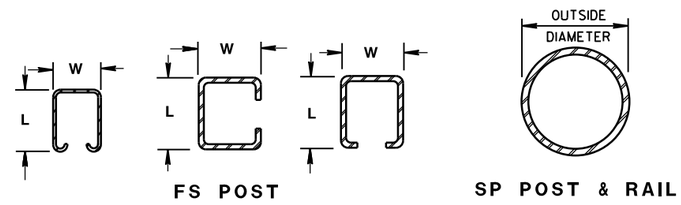
USE FENCE FABRIC KNUCKLED AT BOTH SELVAGES.

FOR LEAF GATES GREATER THAN 8 FEET WIDE, INSTALL INTERIOR VERTICAL BRACE RAIL AT 8 FOOT INTERVALS.

FOR FABRIC HEIGHTS GREATER THAN 8 FEET, INSTALL INTERIOR HORIZONTAL BRACE RAILS TO LEAF GATE.

MAXIMUM SAG FOR OUTER GATE MEMBER SHALL NOT EXCEED THE GREATER OF 1% OF THE LEAF GATE WIDTH OR 2 INCHES.

USE TYPE 2, CLASS 3, MARCELLED/CRIMPED, TENSION WIRE PER ASTM A 817.



FS POST

SP POST & RAIL

CROSS SECTIONS OF POSTS AND RAILS

ROLLED-FORMED STEEL FENCE POST (2.0 OZ./SQ. FT. COATING)

POST TYPE	LENGTH (L) INCH	WIDTH (W) INCH	WEIGHT LBS/FT
FS1	1.625	1.25	1.35
FS2†	1.875	1.625	1.850
FS2	1.875	1.625	2.400
FS3	2.250	1.700	2.780

ROUND STEEL FENCE POST (1.8 OZ./SQ. FT. COATING)

POST TYPE	OUTSIDE DIMENSION INCH	WALL THICKNESS INCH	WEIGHT LBS/FT
SP1	1.660	0.140	2.270
SP2	1.900	0.145	2.720
SP3	2.375	0.154	3.650
SP4	2.875	0.203	5.800
SP5	4.000	0.226	9.120
SP6	6.625	0.280	18.990
SP7	8.625	0.322	28.580

REQUIRED FENCE POST SIZES

USE	FABRIC HEIGHTS FEET	POST TYPE
TERMINAL POSTS **	LESS THAN OR EQUAL TO 6 FT.	SP3
	GREATER THAN OR EQUAL TO 6 FT.	SP4
LINE POSTS	LESS THAN OR EQUAL TO 6 FT.	SP2
	LESS THAN OR EQUAL TO 8 FT.	SP3
	GREATER THAN OR EQUAL TO 8 FT.	SP4
	LESS THAN OR EQUAL TO 8 FT.	FS2 OR FS2†
	GREATER THAN OR EQUAL TO 8 FT.	FS3

REQUIRED POST SIZE FOR GATES

USE	LEAF WIDTHS FEET	POST TYPE
GATES	LESS THAN OR EQUAL TO 6 FT.	SP4
	LESS THAN OR EQUAL TO 13 FT.	SP5
	LESS THAN OR EQUAL TO 18 FT.	SP6
	LESS THAN OR EQUAL TO 23 FT.	SP7

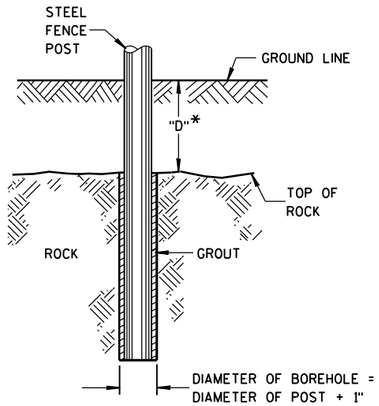
BRACE RAIL TYPES

USE		TYPE
BRACE RAIL		SP1 OR FS1

** INCLUDES END, CORNER, ANGLE, INTERSECTION AND INTERMEDIATE BRACED POSTS

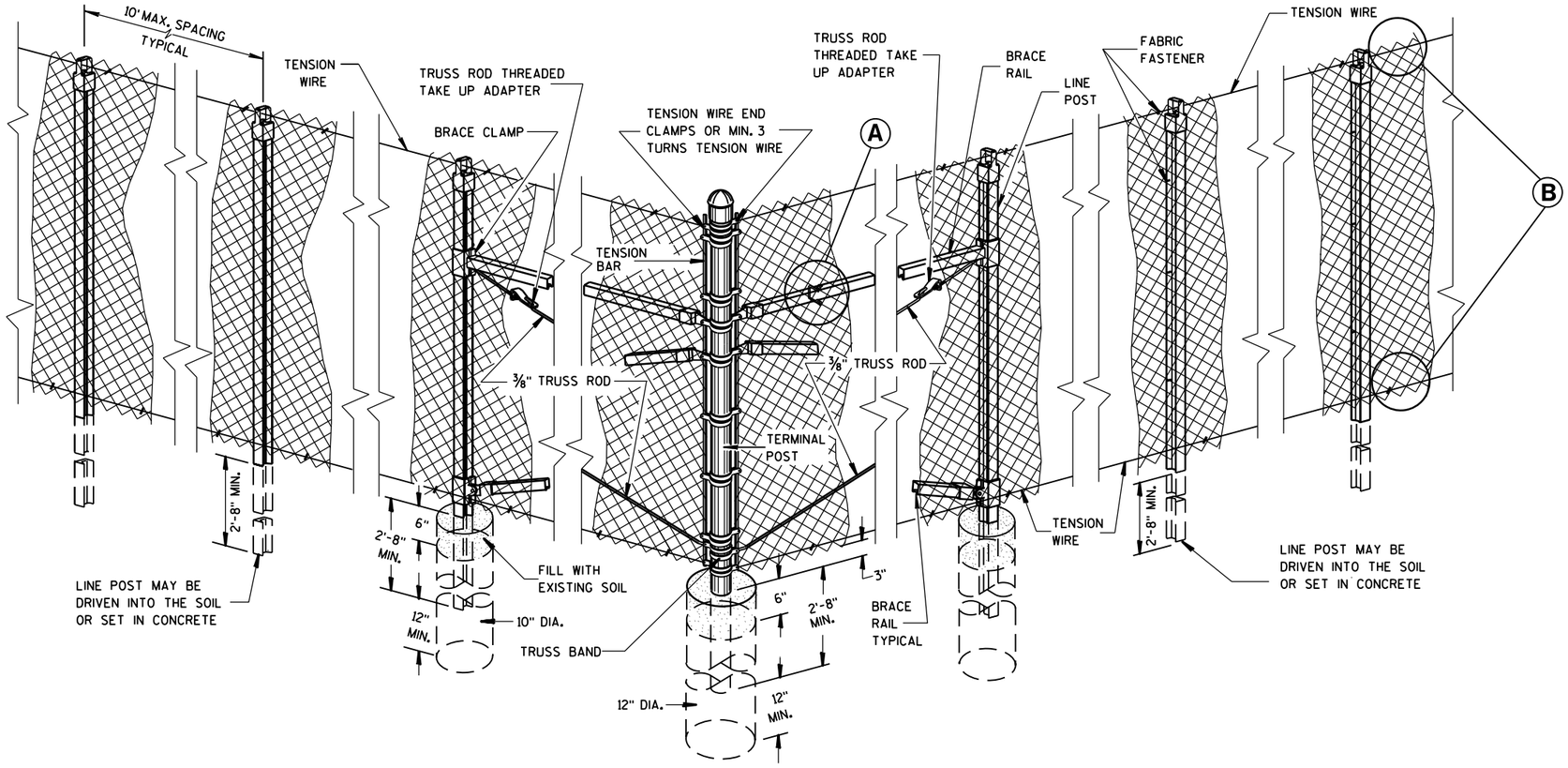
FENCE CHAIN LINK

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR 886

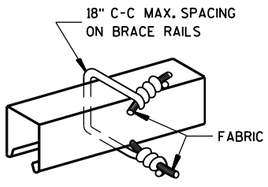


*IF "D" IS LESS THAN 2'-6", DRILL ROCK AND INSTALL GROUT

ROCK INSTALLATION OF LINE POST



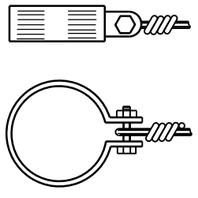
END, CORNER, ANGLE INTERSECTION & INTERMEDIATE BRACED POSTS



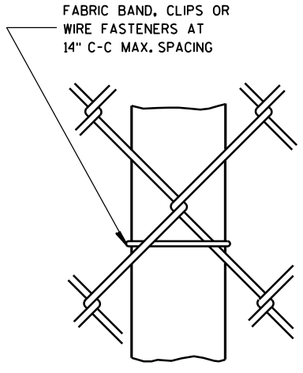
BRACE RAIL

FABRIC FASTENER

Ⓐ



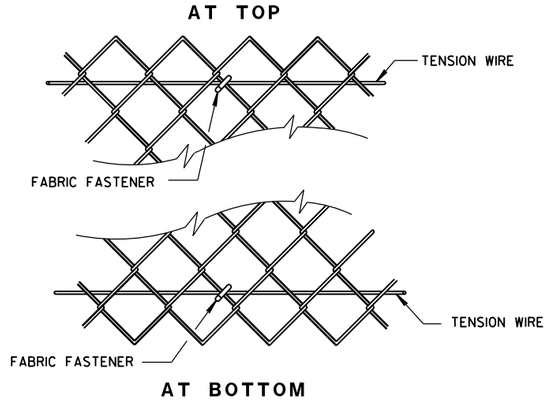
TENSION WIRE END CLAMP



LINE POST

FABRIC FASTENER

AT TOP



AT BOTTOM

SELVAGES

Ⓑ

FENCE CHAIN LINK

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
FEB. 2015 DATE
/S/ Jerry H. Zogg
ROADWAY STANDARDS DEVELOPMENT ENGINEER
FHWA

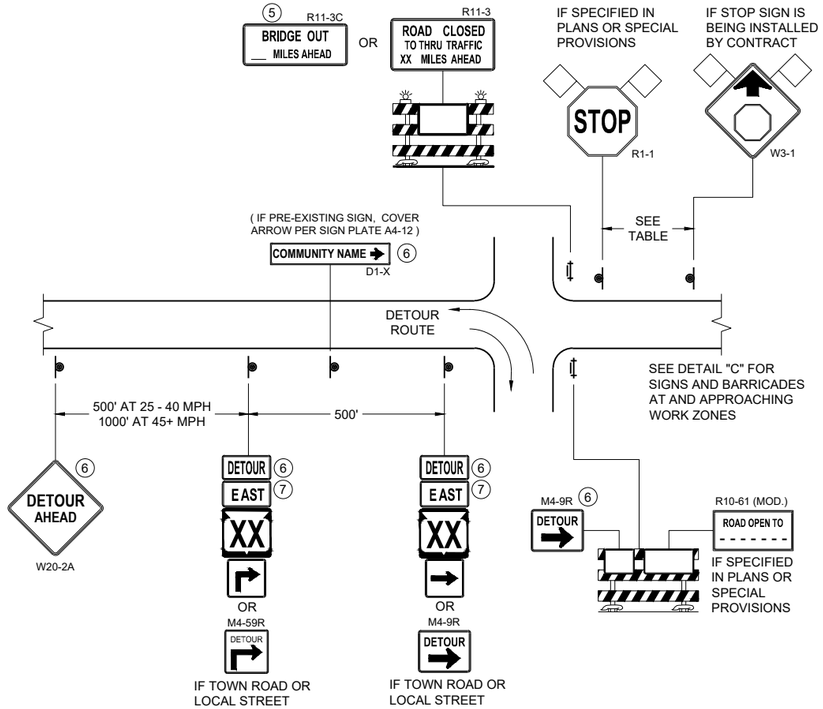
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S.D.D. 15 B 3-15b

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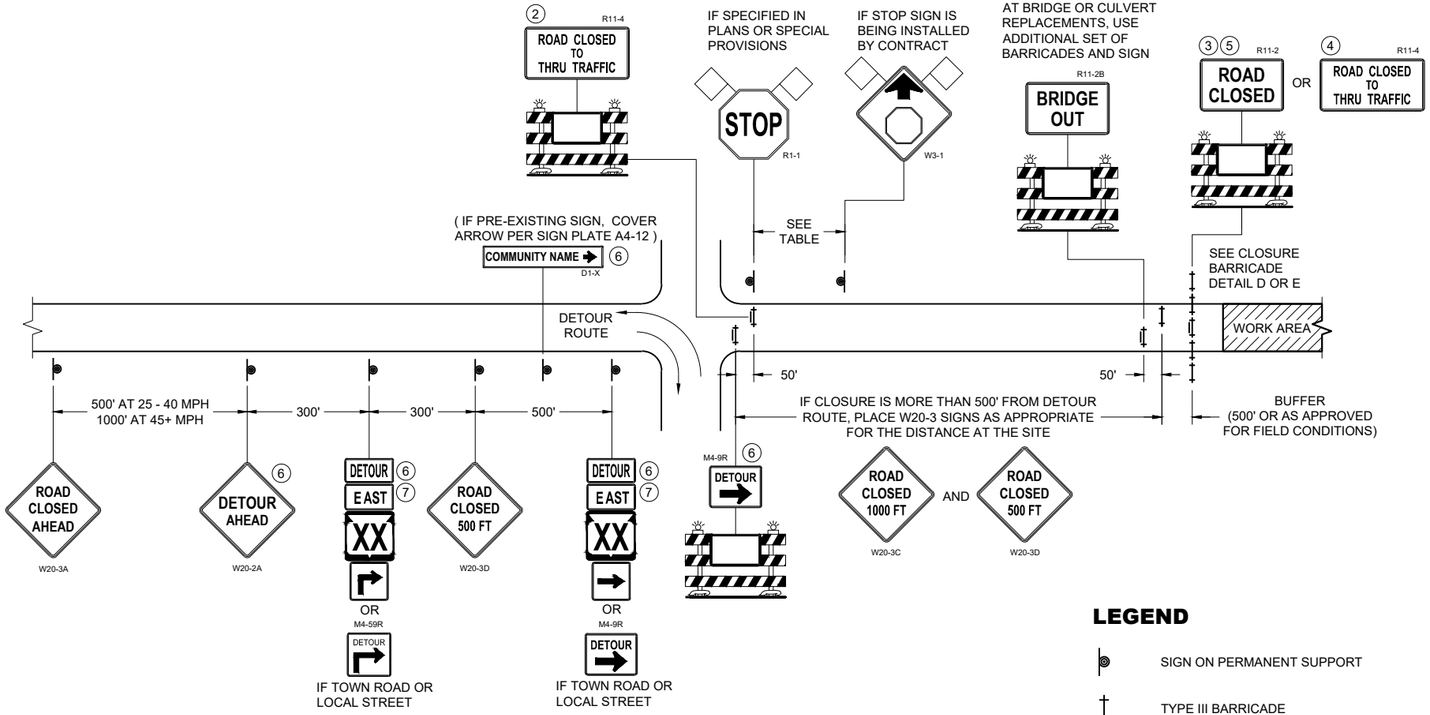
S.D.D. 15 B 3-15b



DETAIL A

MAINLINE CLOSURE WITH POSTED DETOUR

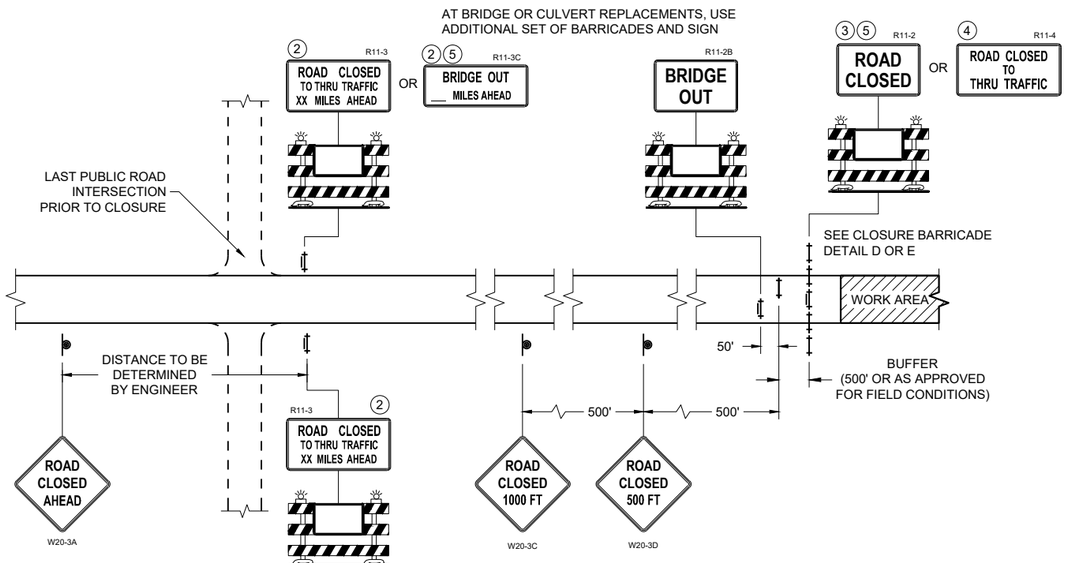
WORK ZONE GREATER THAN OR EQUAL TO ½ MILE FROM DETOUR ROUTE (1000 FEET IF URBAN)



DETAIL B

MAINLINE CLOSURE WITH POSTED DETOUR

WORK ZONE LESS THAN ½ MILE FROM DETOUR ROUTE (1000 FEET IF URBAN)



DETAIL C

MAINLINE CLOSURE, NO POSTED DETOUR

SPEED LIMIT (MPH)	"STOP AHEAD" ADVANCE WARNING DISTANCE (FT)
25	200
30	200
35	350
40	350
45	500
50	550
55	750

SEE SDD 15C2-SHEET "b"
FOR GENERAL NOTES
AND FOOTNOTES (1) THROUGH (7)

LEGEND

- SIGN ON PERMANENT SUPPORT
- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- WORK AREA
- FLAGS, 16" X 16" MIN. (ORANGE)

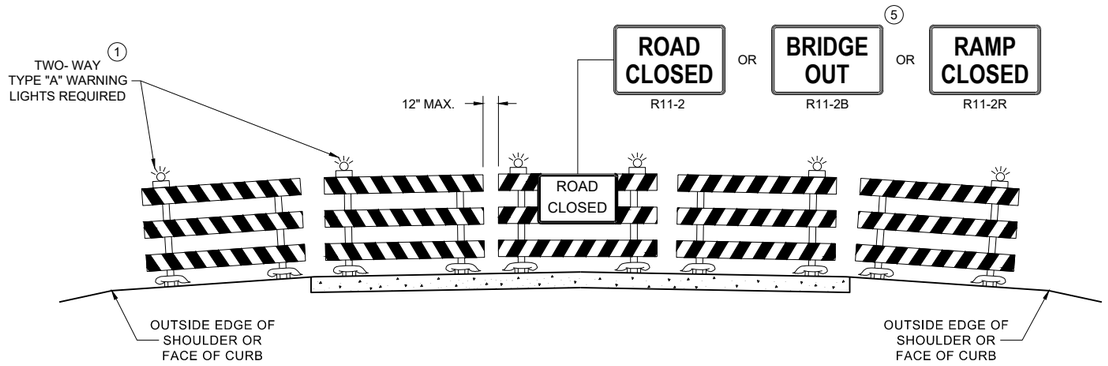
DETOUR M4 - 8
EAST M3 - X
XX M1 - 4 OR XX M1 - 6 OR COUNTY X M1 - 5A
M05 - 1 OR M06 - 1

BARRICADES AND SIGNS FOR MAINLINE CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2025 — DATE
/S/ Andrew Heidtke — WORK ZONE ENGINEER
FHWA

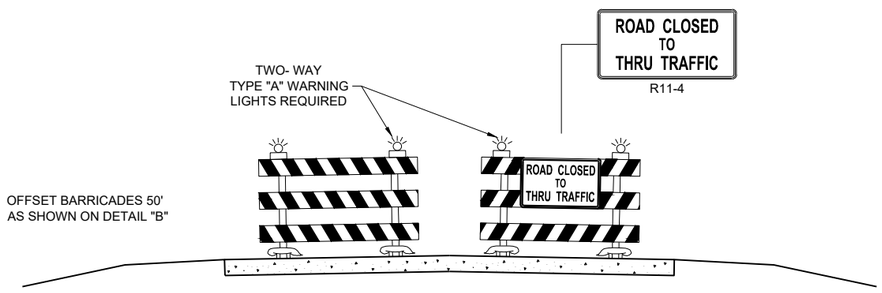
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SDD 15C02-10a



DETAIL D

ROAD CLOSURE BARRICADE DETAIL

APPROACH VIEW



DETAIL E

LANE CLOSURE BARRICADE DETAIL

APPROACH VIEW

SEE SDD 15C2 - SHEET "a" FOR LEGEND

GENERAL NOTES

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND BARRICADES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE", SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A DESIRABLE MINIMUM OF 200 FEET CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

BARRICADES THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY RE-ESTABLISHED UPON COMPLETION OF THE OPERATION, OR FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

ALL TYPE III BARRICADES SHALL HAVE RAILS REFLECTORIZED ON BOTH FACES. STRIPES SHALL BE PROPERLY SLOPED DOWN TOWARD THE TRAFFIC SIDE OR AS SHOWN IN THE ROAD CLOSURE BARRICADE DETAIL "D" FOR FULL ROAD CLOSURES.

TYPE "A" LOW - INTENSITY FLASHING WARNING LIGHTS SHALL BE VISIBLE ON BOTH SIDES OF THE BARRICADE.

PARTIAL NUMBERS ON SIGNS SHALL BE DISPLAYED AS A WHOLE NUMBER(AS NEEDED) FOLLOWED BY A FRACTION. SIGNS SHALL NOT DISPLAY NUMBERS IN DECIMAL FORM.

"WO" AND "MO" SIGNS ARE THE SAME AS "W" AND "M" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

ALL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED BELOW:

- R11 - 2 SHALL BE 48" X 30"
- R11 - 3 SHALL, R11 - 4 AND R10 - 61 SHALL BE 60 " X 30"
- M4 - 9 SHALL BE 30" X 24"
- M3 - X SHALL BE 24" X 12" (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS)
- M4 - 8 SHALL BE 24" X 12" (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS)
- M1 - 4, M1 - 5A AND M1 - 6 SHALL BE 24" X 24" (36" X 36" IF NEEDED TO MATCH EXISTING SIGNS)
- MO5 - 1 AND MO6 - 1 SHALL BE 21" X 21" (30" X 30" IF NEEDED TO MATCH EXISTING SIGNS)
- D1 - X SHALL BE AS SHOWN ON SPECIFIC PROJECT SIGNING DETAIL SHEETS.
- R1 - 1 SHALL BE 36" X 36"

SIGNS PLACED ON TYPE III BARRICADES THAT ARE SIZES OTHER THAN 48"X30" SHALL HAVE A CORRUGATED POLYPROPYLENE OR POLYETHYLENE PLASTIC SIGN BASE.

(1) TWO WARNING LIGHTS SHALL BE PROVIDED ON THE CENTER BARRICADE AND A MINIMUM OF ONE WARNING LIGHT SHALL BE PROVIDED ON EACH OF THE OTHER BARRICADES WITHIN THE ROADWAY LIMITS. SPACING OF THE WARNING LIGHTS SHALL BE UNIFORM TO THE EDGE OF ROADWAY AS SHOWN (APPROX. 8 FOOT LIGHT SPACING.

(2) THESE SIGNS AND BARRICADES ARE NOT REQUIRED IF ROAD CLOSURE BEGINS AT AN INTERSECTION.

(3) FOR ROAD CLOSURE WITHOUT LOCAL ACCESS TO PROJECT, SEE ROAD CLOSURE BARRICADE DETAIL "D".

(4) FOR ROAD CLOSURE WITH LOCAL ACCESS TO PROJECT, SEE ROAD CLOSURE BARRICADE DETAIL "E".

(5) FOR BRIDGE OR CULVERT REPLACEMENTS, SUBSTITUTE "BRIDGE OUT" INSTEAD OF "ROAD CLOSED" ON R11 - 2 AND R11 - 3 SIGNS.

(6) INSTALL DETOUR AND COMMUNITY GUIDE SIGNS AND ARROWS ONLY IF SPECIFIED IN THE CONTRACT. IF THERE ARE EXISTING ROUTE MARKER ASSEMBLIES THAT WILL REMAIN IN PLACE, ADJUST THE LOCATION OF THE DETOUR ROUTE SIGNS TO CORRESPOND WITH THE EXISTING ASSEMBLIES. MODIFY EXISTING SIGNS WHERE POSSIBLE. SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS. IF DETOUR SIGNS ARE BEING INSTALLED BY OTHERS, PLACE THE CONTRACTED TRAFFIC CONTROL SIGNS TO ALLOW FOR PLACEMENT OF ALL WARNING, DETOUR AND GUIDE SIGNS AS SHOWN.

(7) "EAST" CARDINAL DIRECTION MARKERS AND RIGHT TURN ARROWS ARE SHOWN. USE OTHER CARDINAL DIRECTIONS AND ARROWS AS APPROPRIATE.

BARRICADES AND SIGNS FOR VARIOUS CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2025 — DATE
/S/ Andrew Heidtke — WORK ZONE ENGINEER

FHWA

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SDD 15C02-10b

THIS DRAWING PROVIDES GENERAL GUIDANCE ON TYPICAL DETOUR SIGN LAYOUT AND SPACING. SEE PROJECT DETOUR SIGNING SHEETS FOR SPECIFIC DETAILS FOR EACH PROJECT.

LEGEND

- SIGN ON PERMANENT SUPPORT
- WORK AREA
- DETOUR M4 - 8
- EAST M3 - X
- XX M1 - 4 OR XX M1 - 6 OR COUNTY X M1 - 5A
- M05 - 1 OR M06 - 1 OR M06 - 1

GENERAL NOTES

THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

IF THERE ARE EXISTING ROUTE MARKER ASSEMBLIES THAT WILL REMAIN IN PLACE, ADJUST THE LOCATION OF THE DETOUR ROUTE SIGNS TO CORRESPOND WITH THE EXISTING ASSEMBLIES. SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS. MODIFY EXISTING SIGNS WHERE POSSIBLE.

THE SPACING BETWEEN TRAFFIC CONTROL AND DETOUR SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A DESIRABLE MINIMUM OF 200 FEET CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

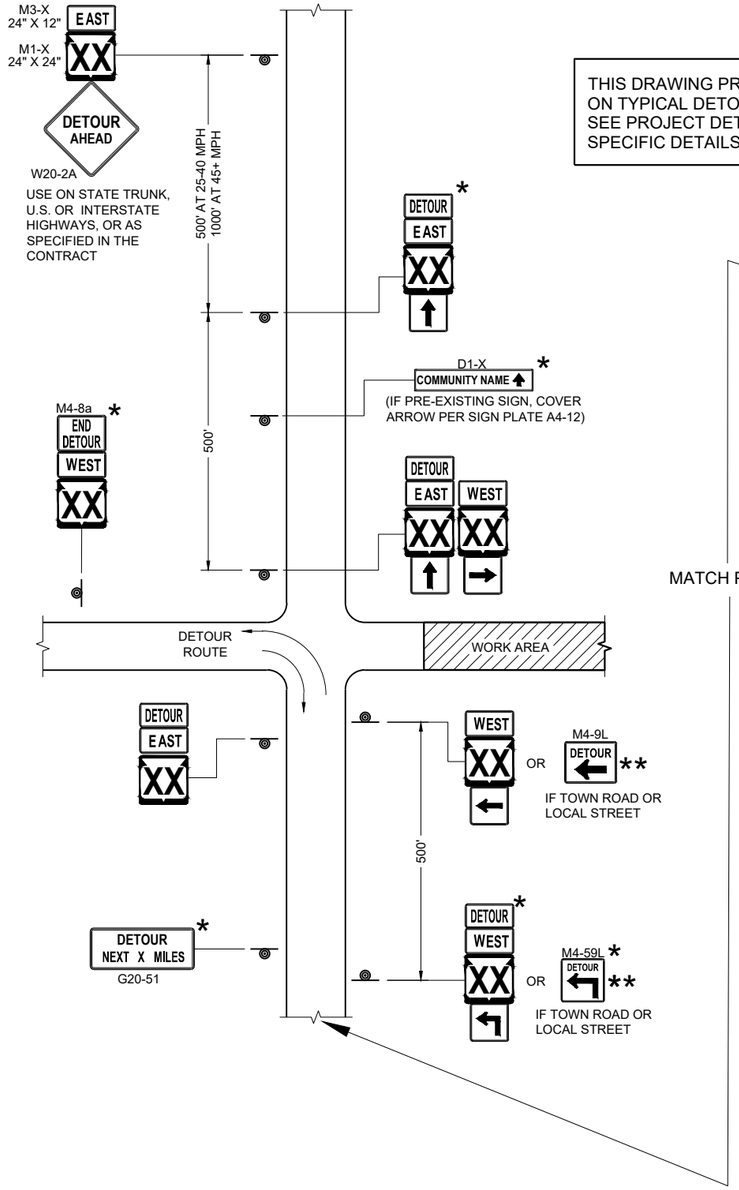
"MO" SIGNS ARE THE SAME AS "M" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

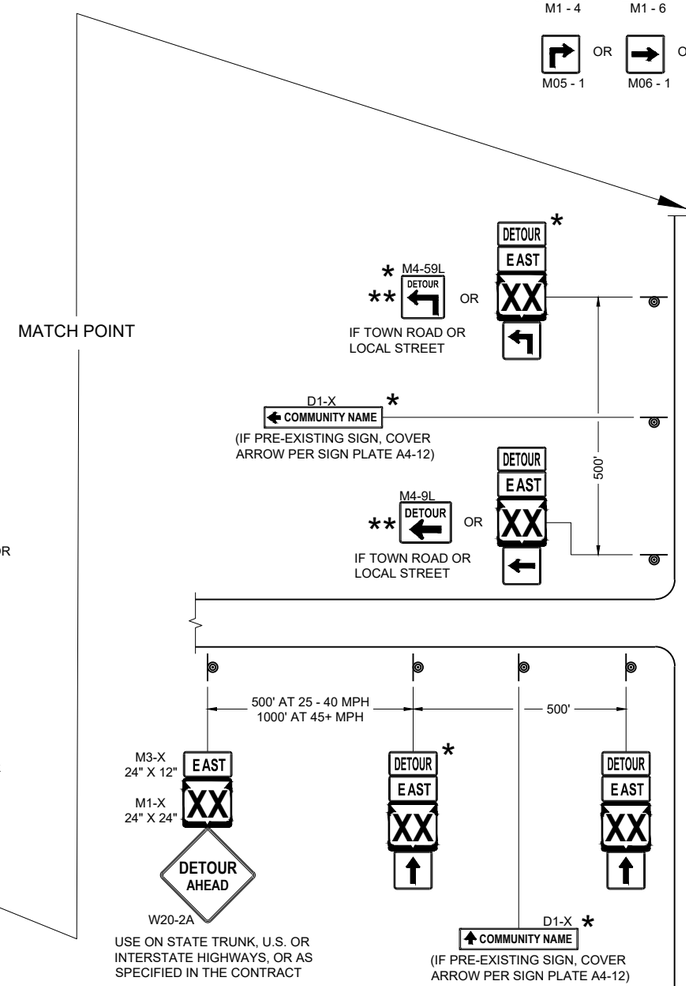
SIGN SIZES SHALL BE AS FOLLOWS:

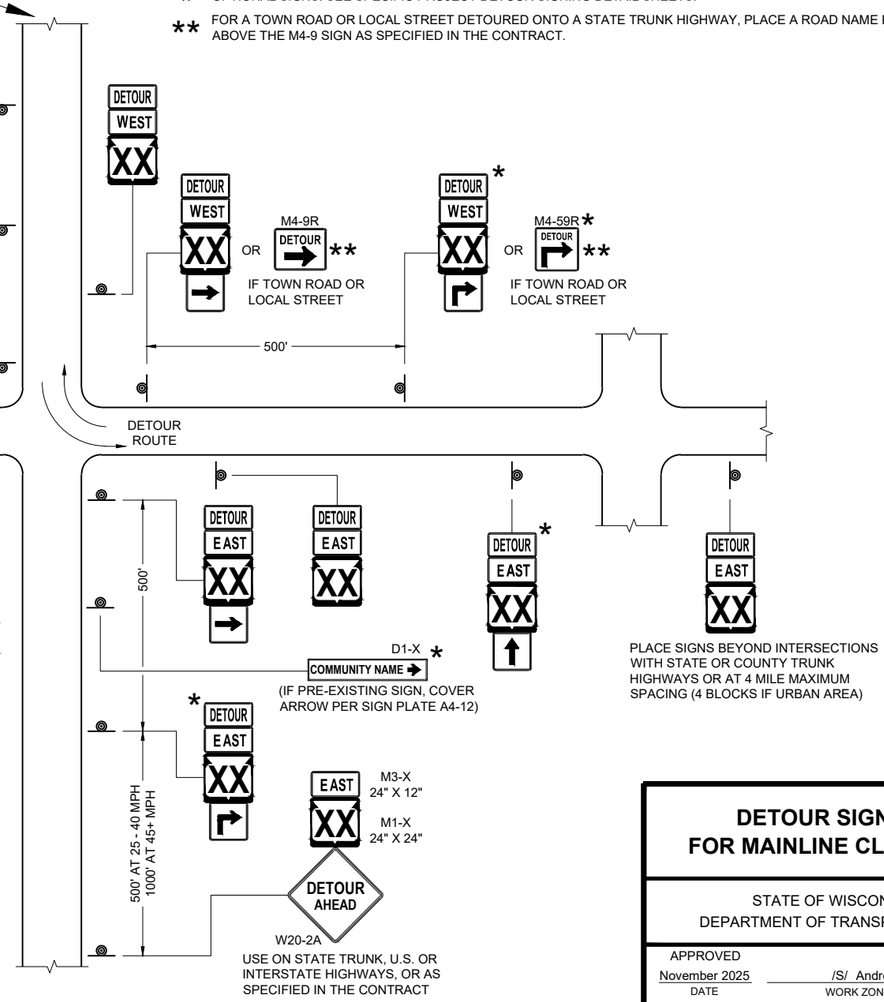
- M3-X SHALL BE 24" X 12" (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS)
- M4-8 SHALL BE 24" X 12" (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS)
- M1-4, M1-5A AND M1-6 SHALL BE 24" X 24" (36" X 36" IF NEEDED TO MATCH EXISTING SIGNS)
- M05-1 AND M06-1 SHALL BE 21" X 21" (30" X 30" IF NEEDED TO MATCH EXISTING SIGNS)
- M4-9 AND M4-59 SHALL BE 30" X 24"
- M4-8a SHALL BE 24" X 18"
- G20-51 SHALL BE 60" X 24"
- W20-2A SHALL BE 48" X 48"
- D1-X SHALL BE AS SHOWN ON SPECIFIC PROJECT SIGNING DETAIL SHEETS.

* OPTIONAL SIGNS. SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS.

** FOR A TOWN ROAD OR LOCAL STREET DETOURED ONTO A STATE TRUNK HIGHWAY, PLACE A ROAD NAME PLAQUE ABOVE THE M4-9 SIGN AS SPECIFIED IN THE CONTRACT.







SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS AND DETAIL A OR B ON SDD SHEET 15C02 - SHEET "a"

DETAIL F
DETOUR SIGNING

DETOUR SIGNING FOR MAINLINE CLOSURES

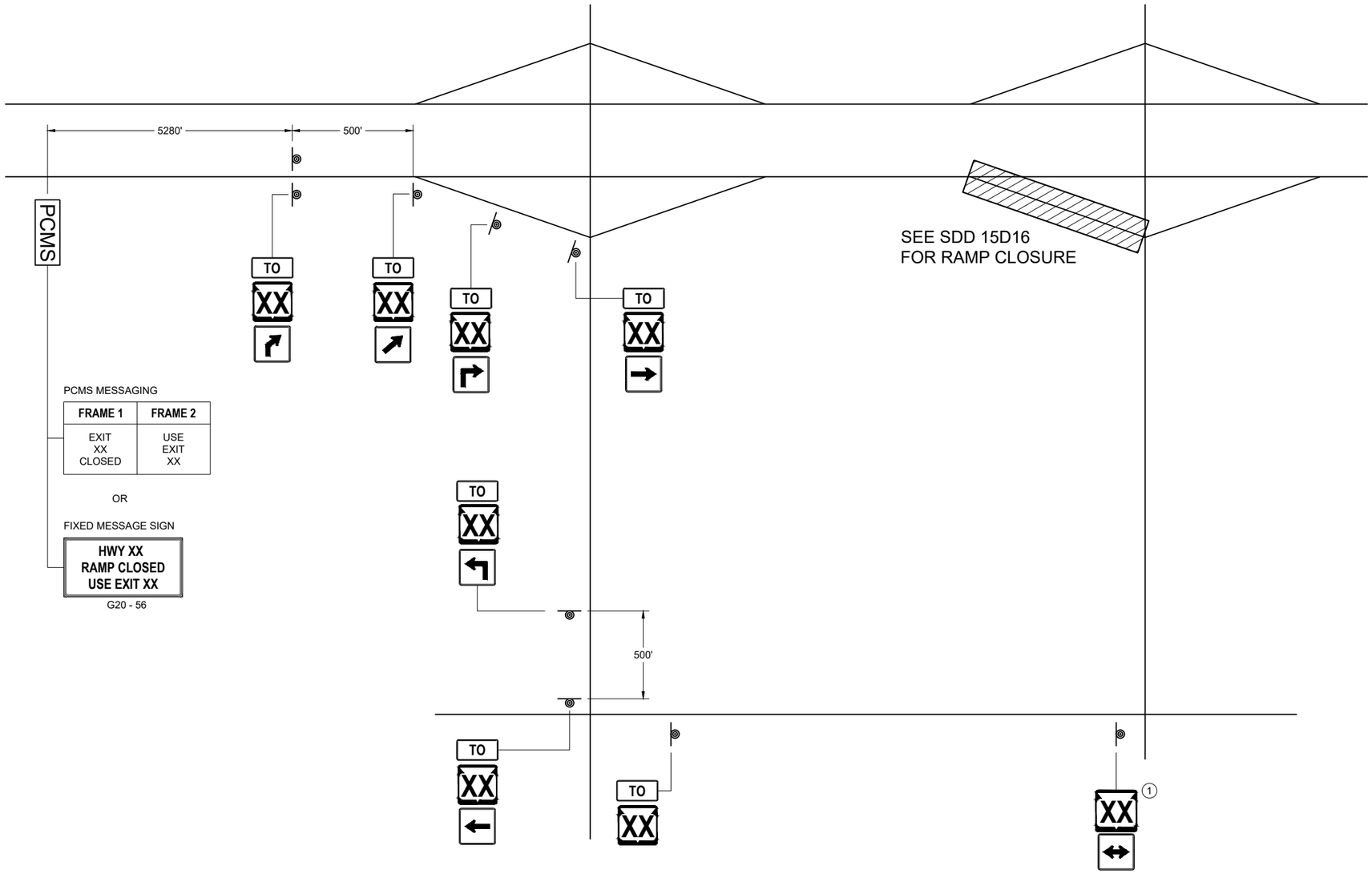
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2025 — DATE
/S/ Andrew Heidtke — WORK ZONE ENGINEER

FHWA

6
SDD 15C02-10c

THIS DRAWING PROVIDES GENERAL GUIDANCE ON TYPICAL "TO" MO-4 SIGN LAYOUT AND SPACING. SEE PROJECT TO SIGNING SHEETS FOR SPECIFIC DETAILS FOR EACH PROJECT.



PCMS MESSAGING

FRAME 1	FRAME 2
EXIT XX CLOSED	USE EXIT XX

OR

FIXED MESSAGE SIGN

HWY XX RAMP CLOSED USE EXIT XX

G20 - 56

LEGEND

- SIGN ON PERMANENT SUPPORT
- PCMS — PORTABLE CHANGEABLE MESSAGE SIGN
- TO — MO4 - 5
- XX — M1 - 4 OR XX — M1 - 6 OR COUNTY X — M1 - 5A
- M05 - 1 OR M05 - 2 OR M06 - 1 OR M06 - 2 OR M06 - 4

GENERAL NOTES

SEE SDD 15D16 "TRAFFIC CONTROL, EXIT RAMP CLOSURE" DETAIL FOR TRAFFIC CONTROL AT EXIT RAMP CLOSURE.

THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

IF THERE ARE ANY ROUTE MARKER ASSEMBLIES THAT WILL REMAIN IN PLACE, ADJUST THE LOCATION OF THE "TO" MO-4 ROUTE SIGNS TO CORRESPOND WITH THE EXISTING ASSEMBLIES. SEE SPECIFIC PROJECT TO SIGNING DETAIL SHEETS. MODIFY EXISTING SIGNS WHERE POSSIBLE.

THE SPACING BETWEEN TRAFFIC CONTROL AND "TO" MO-4 SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A DESIRABLE MINIMUM OF 200 FEET CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL " IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

SIGNS THAT SHALL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

"MO" SIGNS ARE THE SAME AS "M" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

SIGN SIZES SHALL BE AS FOLLOW:

MO4 - 5 SHALL BE 24" X 12". (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS).
M1 - 4, M1 - 5A, AND M1 - 6 SHALL BE 24" X 24" (36" X 36" IF NEEDED TO MATCH EXISTING SIGNS).
MO5 - 1, MO5 - 2, AND MO6 - 1, SHALL BE 21" X 21". (30" X 30" IF NEEDED TO MATCH EXISTING SIGNS).

(1) ONLY ADD IF THERE ARE NO EXISTING ROUTE MARKERS FOR THE INTERSECTING ROADWAY.

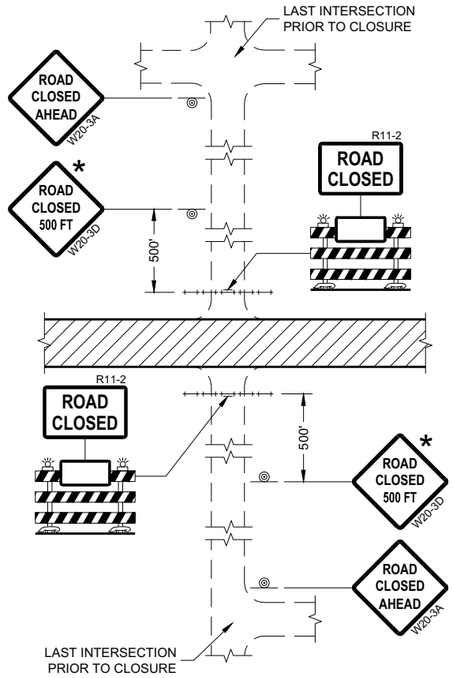
OFF RAMP LANE CLOSURE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

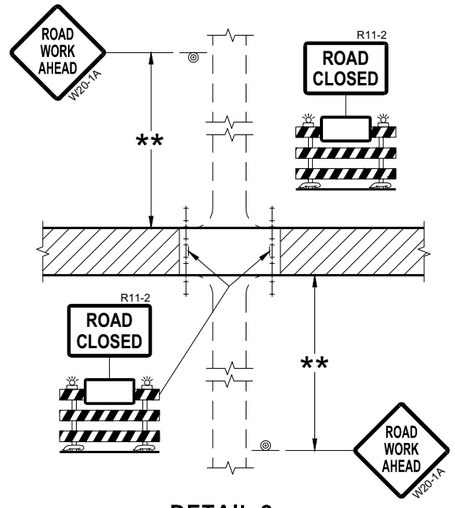
APPROVED
November 2025 — DATE
/S/ Andrew Heidtke — WORK ZONE ENGINEER

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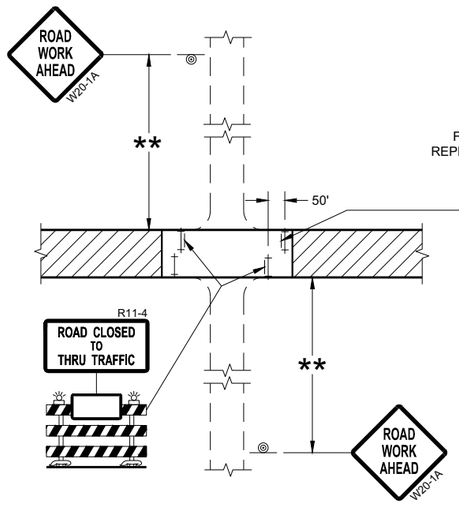
6 SDD 15C02-10e



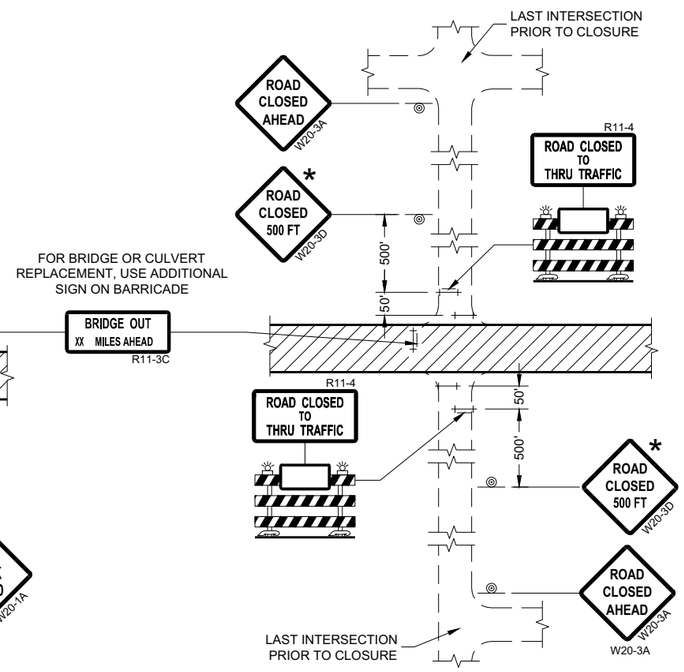
DETAIL 1
(NO ACCESS TO PROJECT)



DETAIL 2
(PUBLIC CROSS-TRAFFIC MAINTAINED.
NO ACCESS TO PROJECT)



DETAIL 3
(PUBLIC CROSS-TRAFFIC MAINTAINED.
CONTRACTOR, LOCAL BUSINESS AND
RESIDENT ACCESS TO PROJECT)



DETAIL 4
(CONTRACTOR, LOCAL BUSINESS AND
RESIDENT ACCESS TO PROJECT)

GENERAL NOTES

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND BARRICADES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A DESIRABLE MINIMUM OF 200 FEET CLEARANCE (500 FEET DESIRABLE) TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

IF A "STOP" SIGN MUST BE REMOVED FOR A WORK OPERATION, A TEMPORARY "STOP" SIGN SHALL BE PLACED PRIOR TO THE SIGN REMOVAL, OR A FLAGGER SHALL BE PROVIDED UNTIL THE SIGN IS REESTABLISHED.

BARRICADES THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY REESTABLISHED UPON COMPLETION OF THE OPERATION OR FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

SIGNS THAT WILL BE IN PLACE LESS THAN SEVEN CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

ALL TYPE III BARRICADES SHALL HAVE RAILS REFLECTORIZED ON BOTH FACES. STRIPES SHALL BE PROPERLY SLOPED DOWN TOWARD THE TRAFFIC SIDE OR AS SHOWN IN THE ROAD CLOSURE BARRICADE DETAIL "D" FOR FULL ROAD CLOSURES.

TYPE "A" LOW-INTENSITY FLASHING WARNING LIGHTS SHALL BE VISIBLE ON BOTH SIDES OF THE BARRICADE.

THE R11-2, R11-3, AND R11-4 SIGNS PLACED ON BARRICADES SHALL COVER NO MORE THAN THE TOP RAIL. THE SIGNS SHALL NOT COVER ANY PORTION OF THE MIDDLE OR BOTTOM RAILS.

ALL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED BELOW:
R11-2 SHALL BE 48" X 30".
R11-4 AND R11-3 SHALL BE 60" X 30".

* OMIT THE "ROAD CLOSED 500 FT." SIGN IF THE LAST INTERSECTION IS 500 FEET OR LESS FROM THE WORK ZONE.

** 500' MAX. OR AT LAST INTERSECTION, WHICHEVER IS CLOSEST.

LEGEND

- SIGN ON PERMANENT SUPPORT
- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- WORK AREA

BARRICADES AND SIGNS FOR SIDEROAD CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
July 2018
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA

6
SDD 15C03 - 05

GENERAL NOTES

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS.

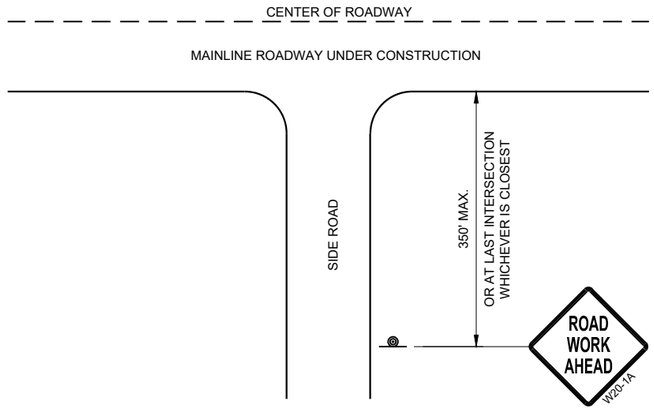
THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A MINIMUM OF 200 FEET (500 FEET DESIRABLE) CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS, 36"X36" SIGNS MAY BE USED INSTEAD OF 48" X 48" SIGNS.

SIGNS THAT WILL BE IN PLACE LESS THAN SEVEN CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

IF A "STOP" SIGN MUST BE REMOVED FOR A WORK OPERATION, A TEMPORARY "STOP" SIGN SHALL BE PLACED PRIOR TO THE SIGN REMOVAL, OR A FLAGGER SHALL BE PROVIDED UNTIL THE SIGN IS REESTABLISHED.

* THE THIRD W20-1 SIGN IS REQUIRED ONLY IF THERE IS AN INTERSECTION BETWEEN THE "ROAD WORK 500 FEET" SIGN AND THE WORK ZONE. ADJUST THE PLACEMENT OF THIS SIGN BASED ON INTERSECTION LOCATION AND OTHER FIELD CONDITIONS.



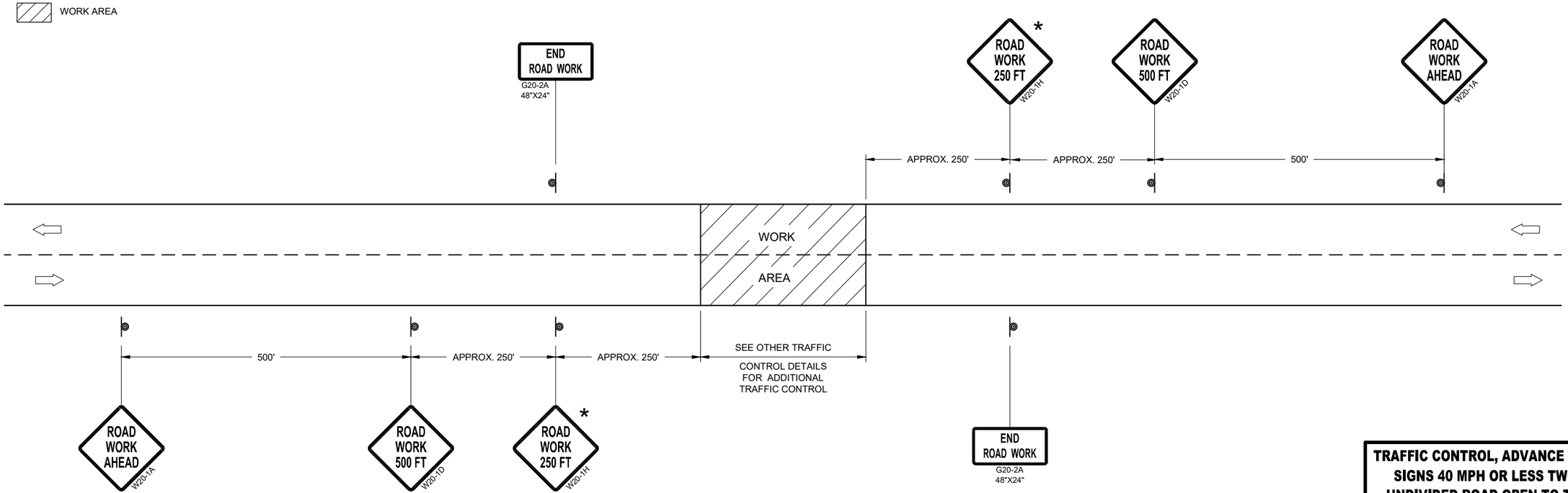
TYPICAL SIDE ROAD APPROACH WARNING SIGN DETAIL

LEGEND

SIGN ON PERMANENT SUPPORT

DIRECTION OF TRAFFIC

WORK AREA



TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40MPH OR LESS

TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 MPH OR LESS TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC

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APPROVED
July 2018
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE 893

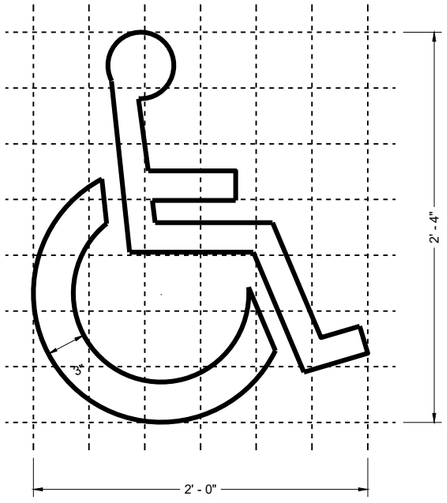
FHWA

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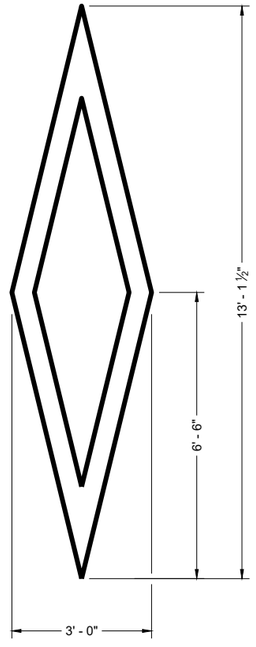
SDD 15C05 - 05

GENERAL NOTES

DETAILS OF INSTALLATION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.



HANDICAP SYMBOL



PREFERENTIAL LANE SYMBOL

6

SDD 15C07-16a

PAVEMENT MARKING SYMBOLS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

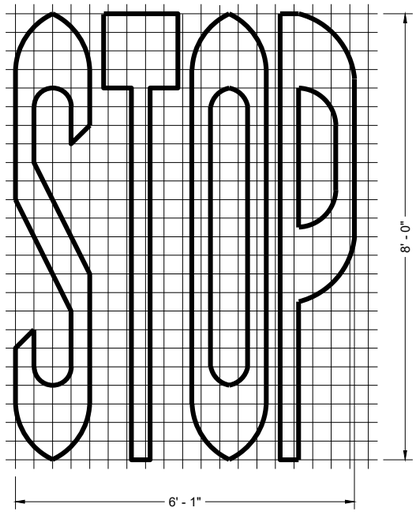
APPROVED
November 2024
DATE

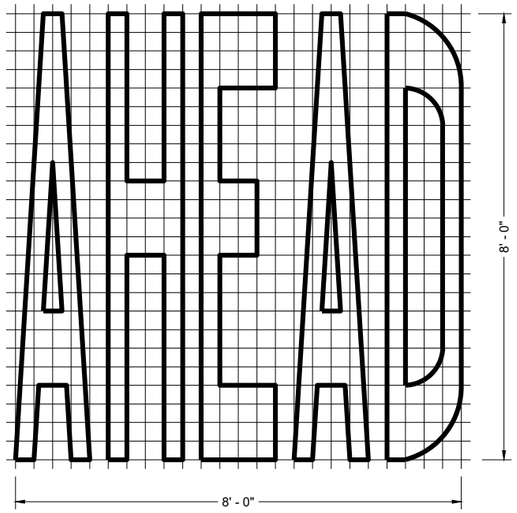
/S/ Jeannie Silver
STATE SIGNING AND MARKING ENGINEER

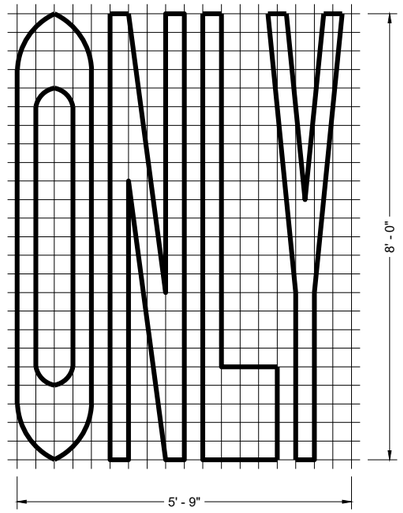
FHWA

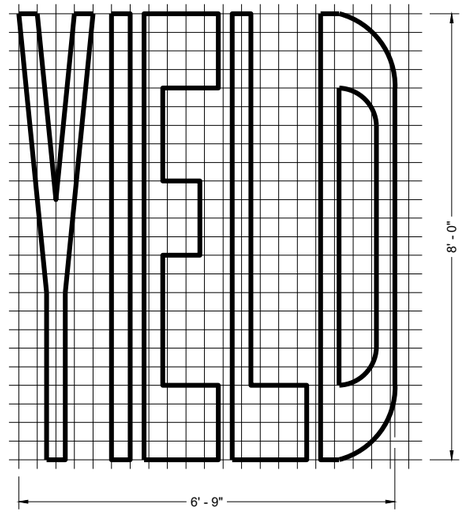
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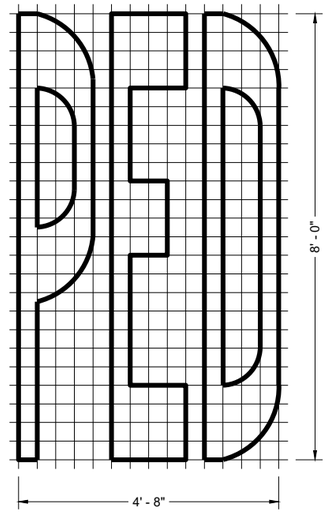
SDD 15C07-16a

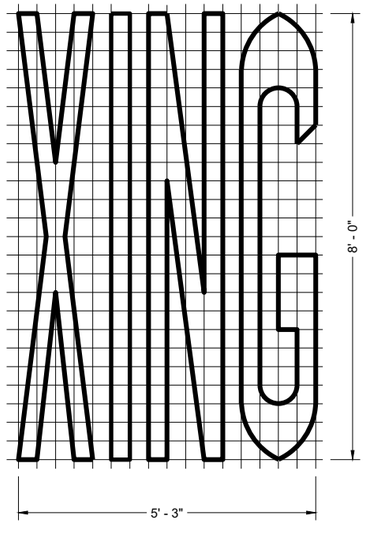


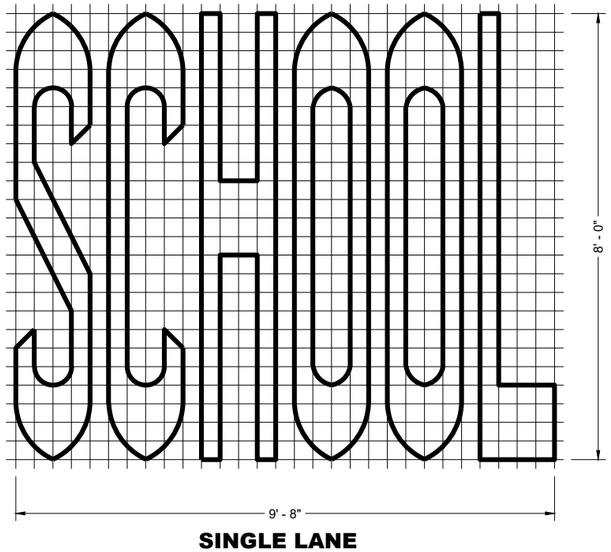




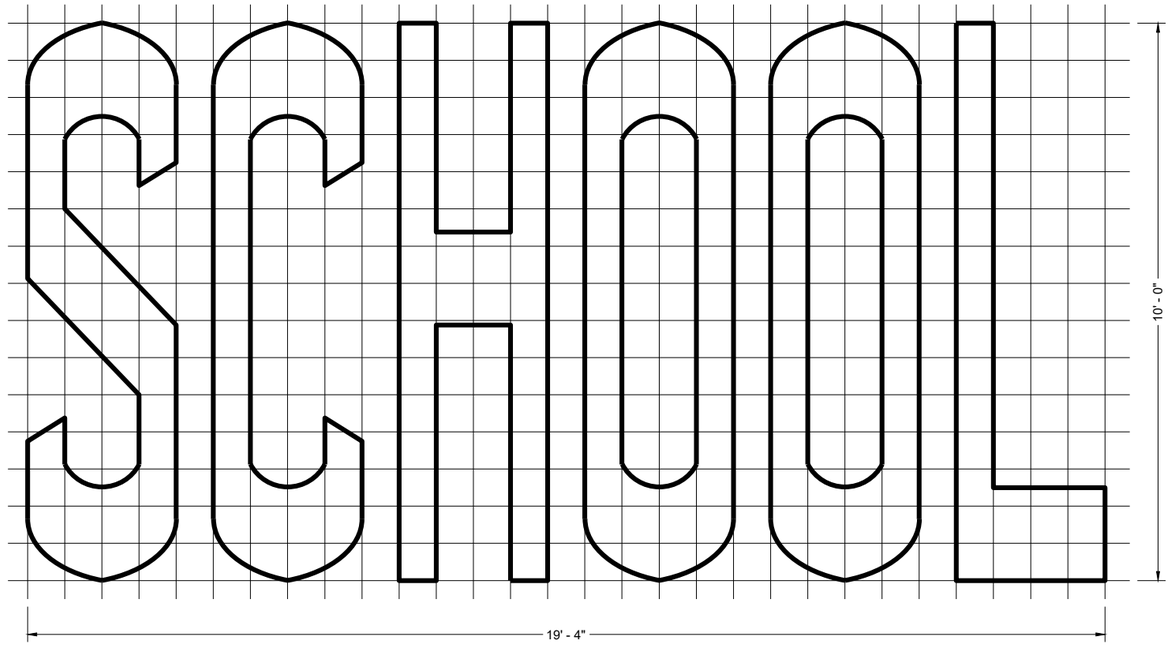








SINGLE LANE



TWO - LANE

GENERAL NOTES

DETAILS OF INSTALLATION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

PAVEMENT MARKING WORDS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2024 — DATE
/S/ Jeannie Silver — STATE SIGNING AND MARKING ENGINEER

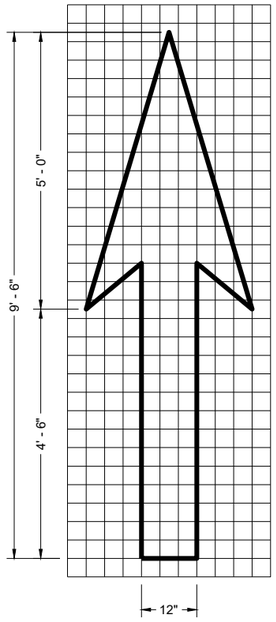
FHWA

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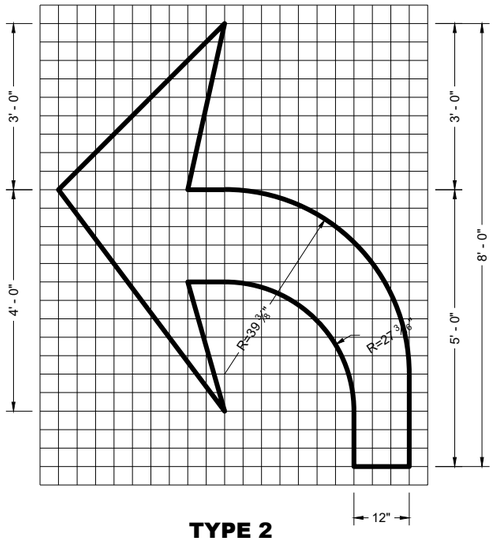
SDD 15C07-16b

GENERAL NOTES

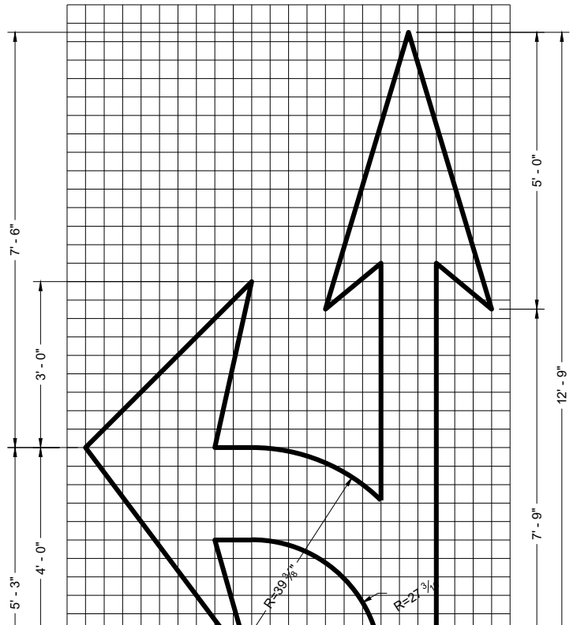
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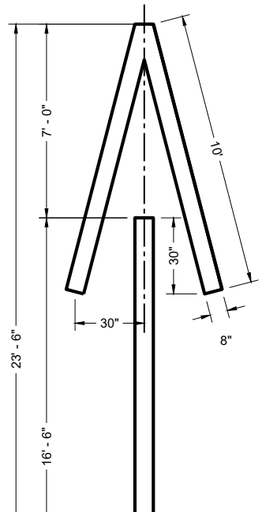
TYPE 1



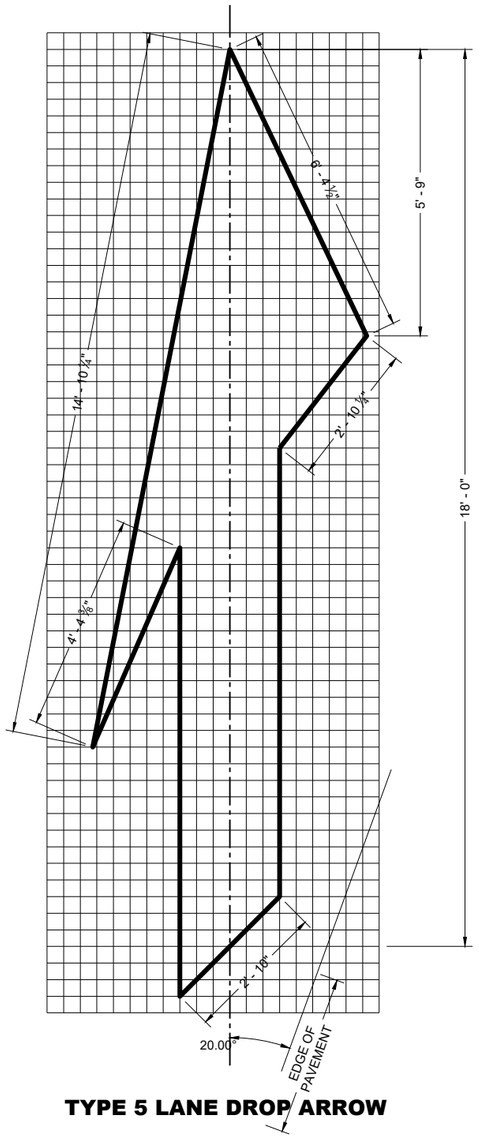
TYPE 2



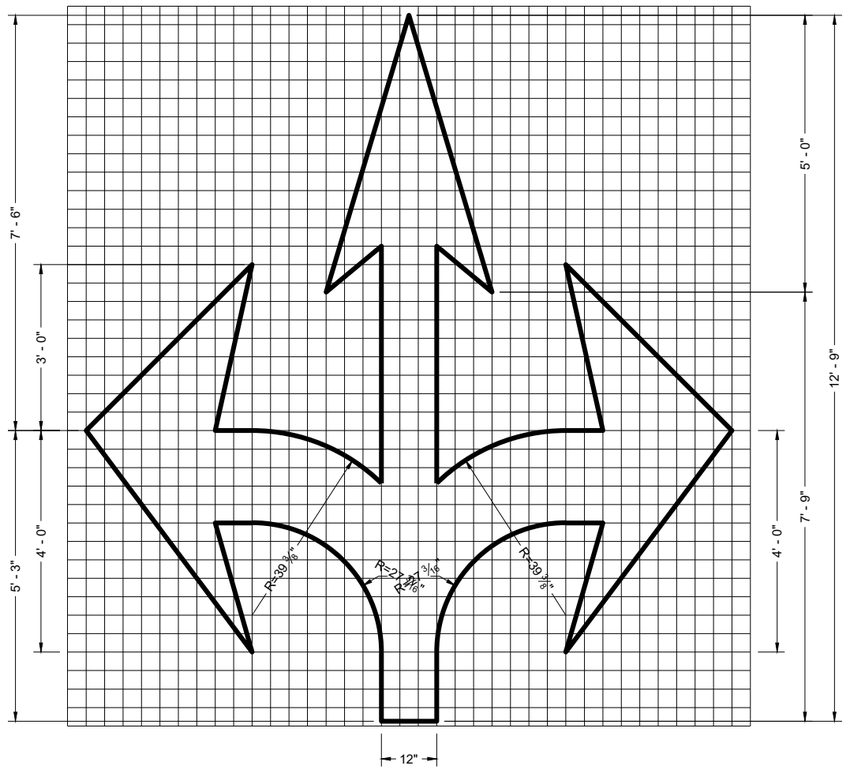
TYPE 3



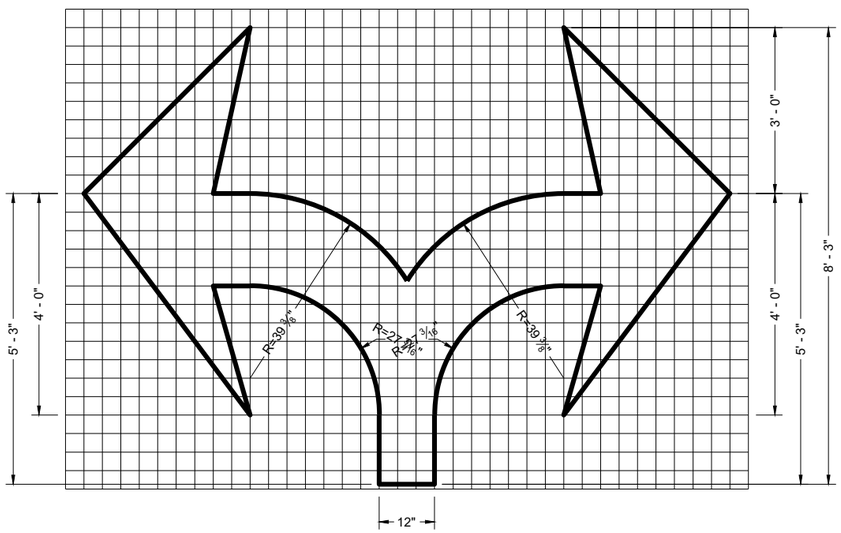
TYPE 4



TYPE 5 LANE DROP ARROW



TYPE 6



TYPE 7

6

SDD 15C07-16c

PAVEMENT MARKING ARROWS

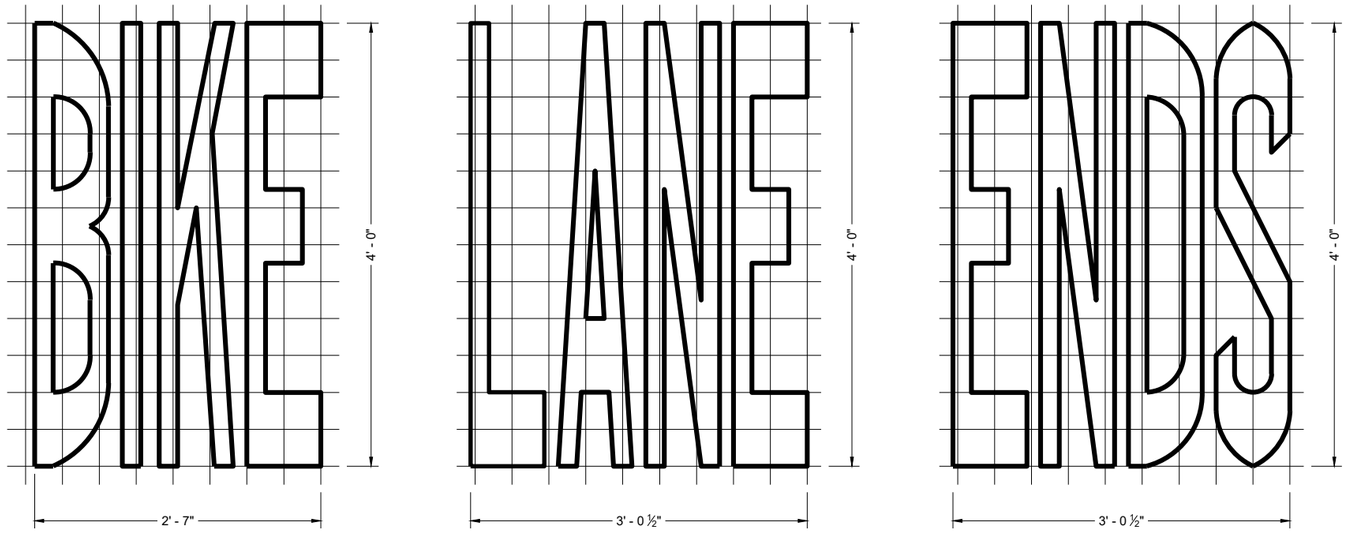
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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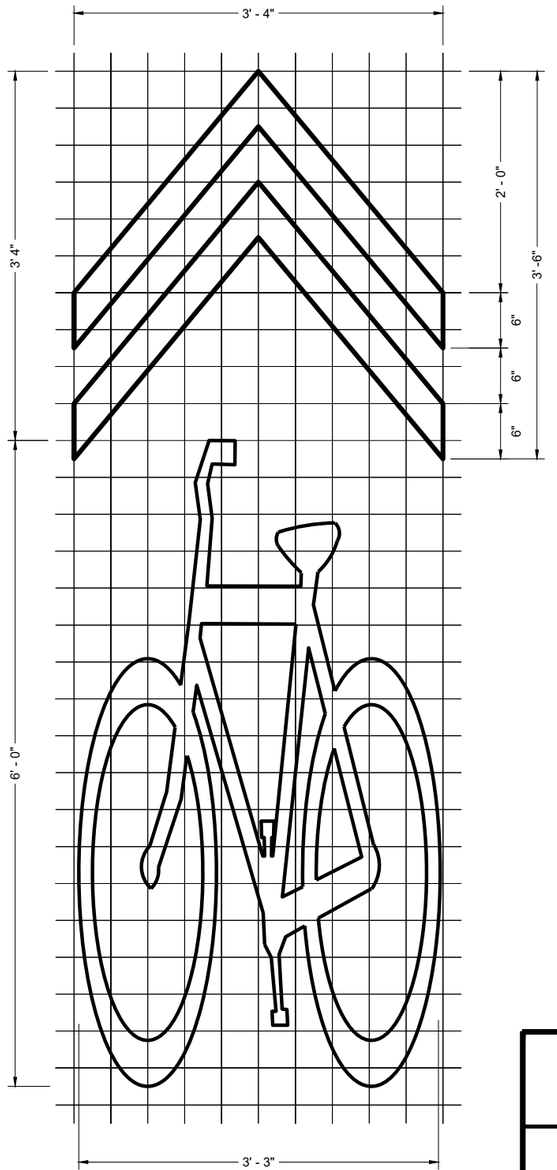
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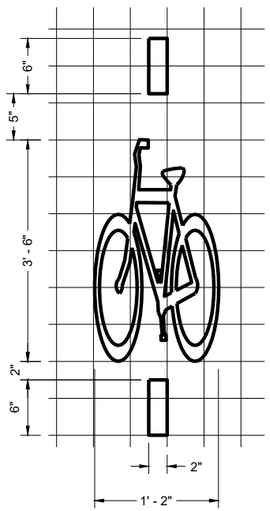
BIKE LANE WORDS

GENERAL NOTES

DETAILS OF INSTALLATION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.



BIKE LANE ARROW



BICYCLE DETECTOR PAVEMENT MARKING

BIKE LANE SYMBOL

BIKE LANE SYMBOL FOR SHARED LANE

PAVEMENT MARKING FOR BIKE LANES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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November 2024 — DATE
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FHWA

6

SDD 15C07-16e

6

SDD 15C07-16e

GENERAL NOTES

DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS.

(1) LOCATE THE NO PASSING ZONE W14-3 SIGN WITHIN 50 FEET OF THE "T" MARKING

(2) MEASURE FROM EDGE OF MARKING TO JOINT LINE. THIS DOES NOT INCLUDE SPACE NEEDED FOR GROOVING OPERATIONS.

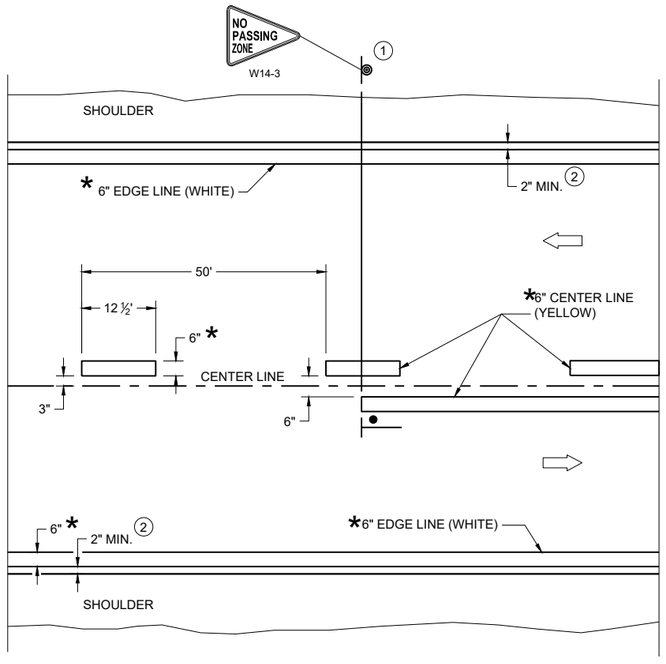
*CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES

LEGEND

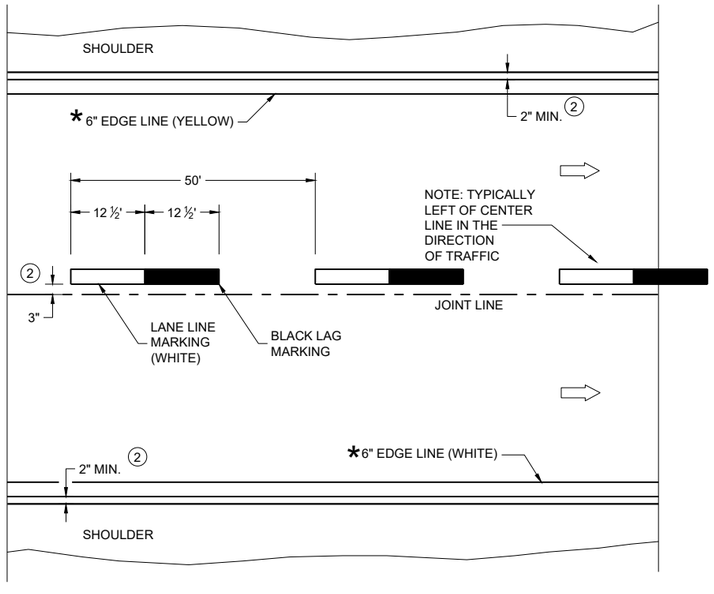
"T" MARKING

SIGN ON PERMANENT SUPPORT

DIRECTION OF TRAFFIC



TWO WAY TRAFFIC



ONE WAY TRAFFIC

PERMANENT PAVEMENT MARKING

6

SDD 15C08-24a

PERMANENT LONGITUDINAL PAVEMENT MARKINGS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

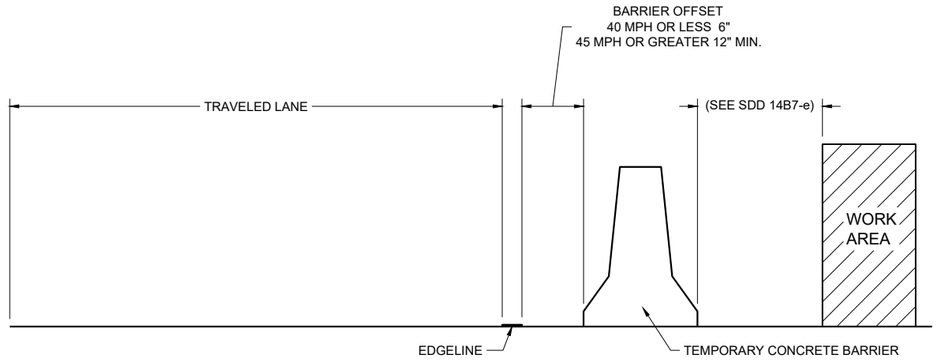
APPROVED

December 2024
DATE

/S/ Jeannie Silver
Statewide Pavement Marking Engineer

FHWA

SDD 15C08-24a



TEMPORARY BARRIER OFFSET FROM EDGELINE

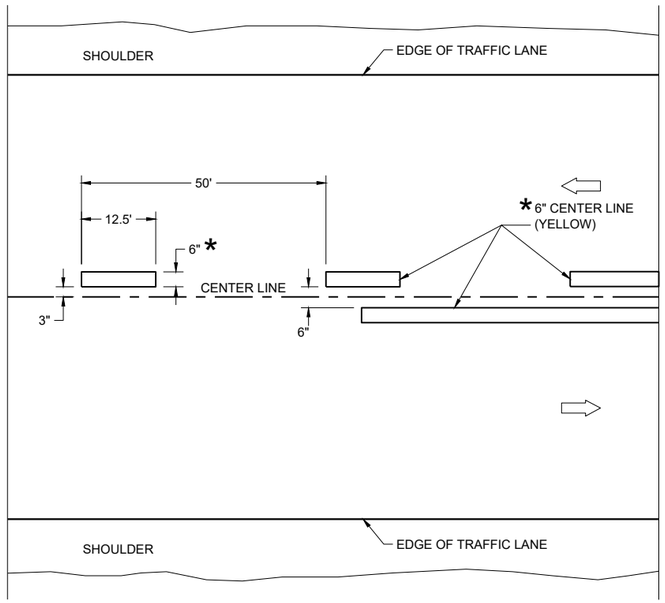
GENERAL NOTES

DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS.

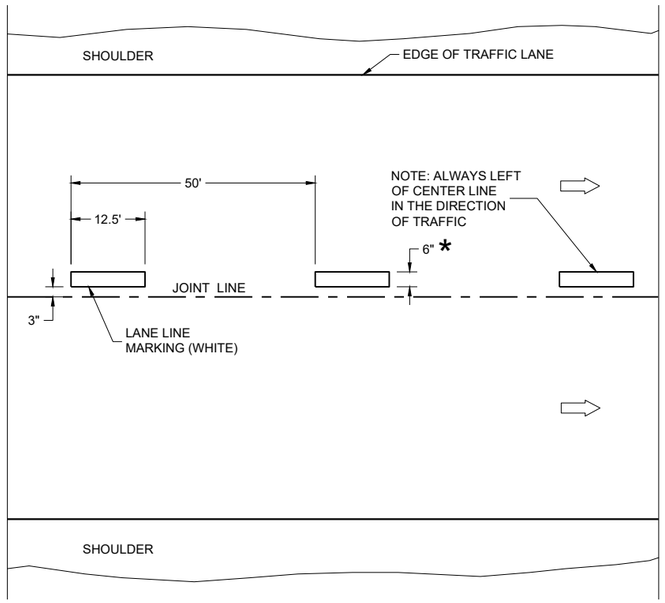
LEGEND

⇨ DIRECTION OF TRAFFIC

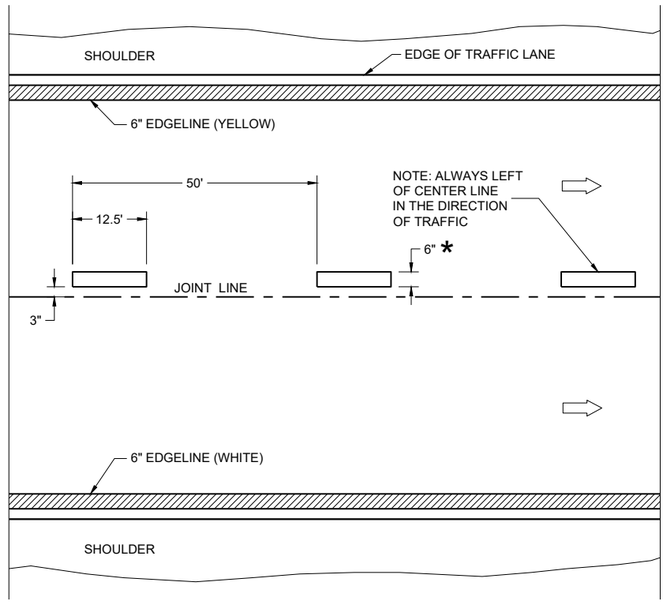
*CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES



TWO WAY TRAFFIC



ONE WAY TRAFFIC



FREEWAYS AND EXPRESSWAYS

TEMPORARY PAVEMENT MARKING

TEMPORARY LONGITUDINAL PAVEMENT MARKING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
December 2024
DATE
/S/ Jeannie Silver
Statewide Pavement Marking Engineer

FHWA

6

SDD 15C08-24b

6

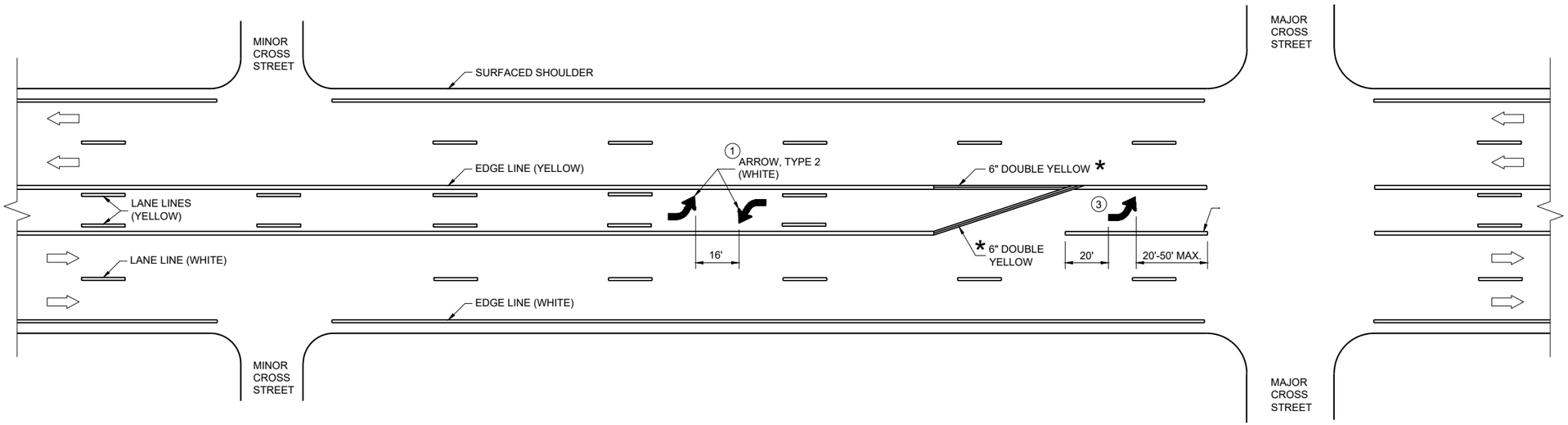
SDD 15C08-24b

GENERAL NOTES

1. A SET OF ARROWS IS REQUIRED EVERY 400 FEET OR NEAR INTERSECTIONS OR DRIVEWAYS WITH TURNING TRAFFIC.
2. 10" WHITE
3. TURN BAY LENGTH OF LESS THAN 48' DOES NOT REQUIRE PAVEMENT ARROWS OR TEXT.

⇨ DIRECTION OF TRAFFIC

*CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES



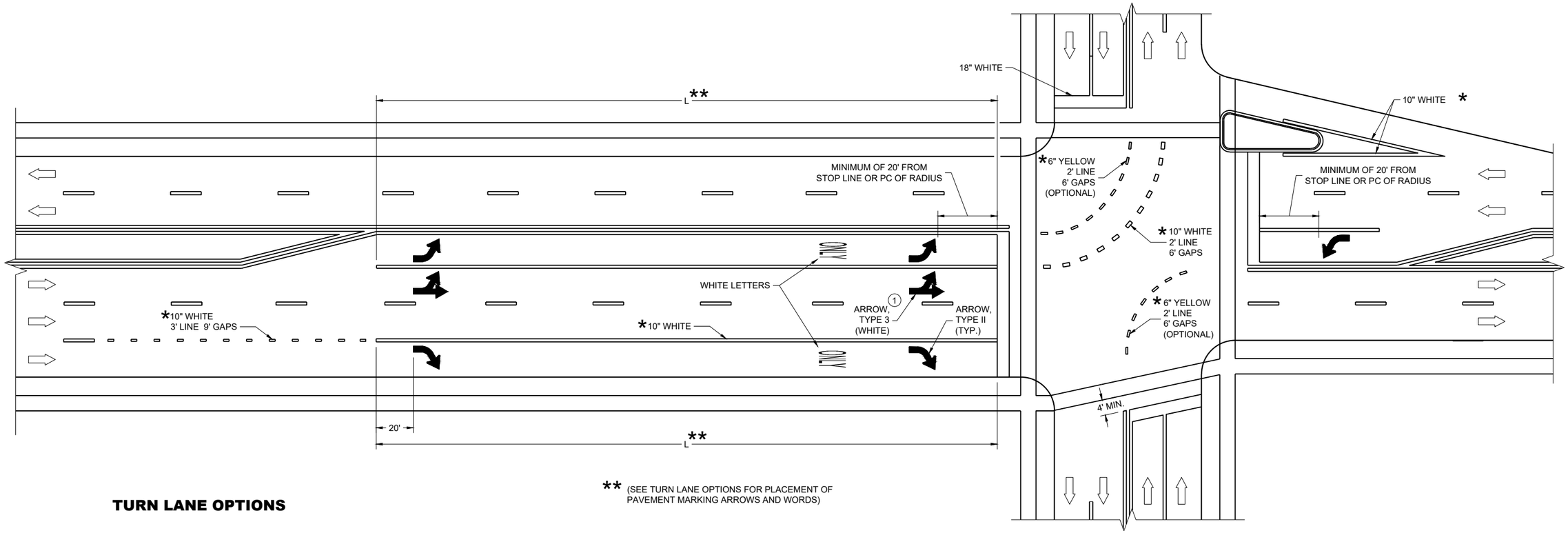
TWO WAY LEFT TURN LANE

6

PAVEMENT MARKING (TURN LANES)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

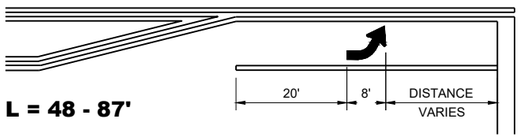
SDD 15C08-24c



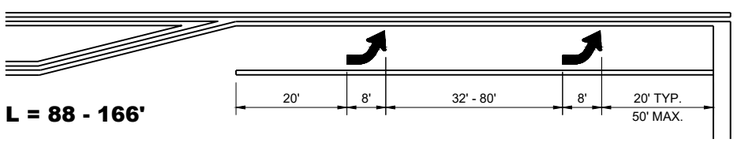
** (SEE TURN LANE OPTIONS FOR PLACEMENT OF PAVEMENT MARKING ARROWS AND WORDS)

TURN LANE OPTIONS

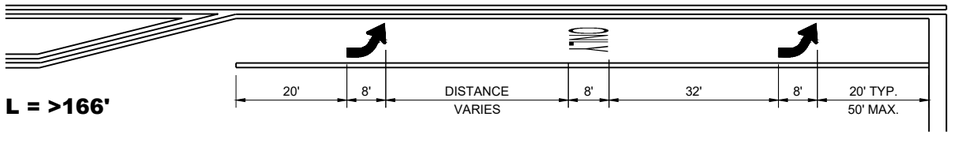
LENGTH OF TURN BAY (**L**) OF 0 - 47' DOES NOT
REQUIRE PAVEMENT MARKING ARROWS OR WORDS



L = 48 - 87'



L = 88 - 166'



L = >166'

GENERAL NOTES

1. QUANTITY AND LOCATION OF TYPE 3 ARROWS ARE THE SAME AS THE TYPE II ARROWS IN THE ADJACENT TURN LANE. FOR TURN LANES WITH A PHYSICAL SEPARATION IN THE SAME DIRECTION OF TRAVEL, THE ARROWS AND "ONLY" MARKING MAY BE ELIMINATED.

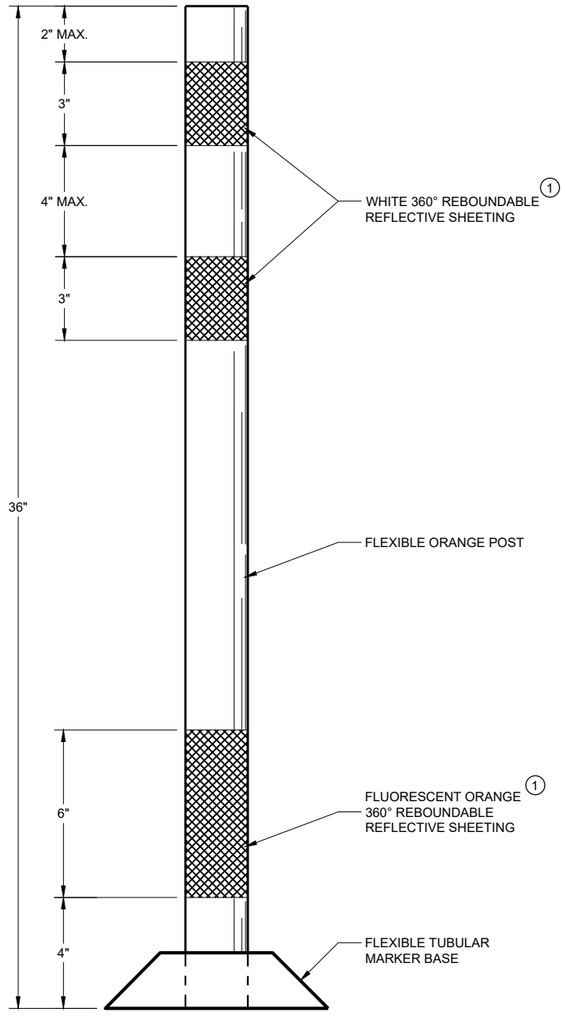
DIRECTION OF TRAFFIC

L = LENGTH OF TURN BAY

*CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES

PAVEMENT MARKING (TURN LANES)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



FLEXIBLE TUBULAR MARKER POST WORK ZONE

GENERAL NOTES

DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

SURFACE MOUNTED BASES SHALL BE FURNISHED IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS TO BE COMPATIBLE WITH FLEXIBLE TUBULAR MARKER POSTS TO A SIZE AND SHAPE THAT WILL PROVIDE A STABLE POST FOUNDATION WHEN SECURED TO THE PAVEMENT.

THE ASPHALTIC ADHESIVE OR BUTYL PAD FURNISHED SHALL BE IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS, UNLESS DIRECTED BY THE ENGINEER TO USE BOLTS.

(1) REFLECTIVE SHEETING SHALL FOLLOW THE REQUIREMENTS IN THE APPROVED PRODUCTS LISTING FOR SIGN SHEETING.

CHANNELIZING DEVICES FLEXIBLE TUBULAR MARKER POST

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2022
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEER

902

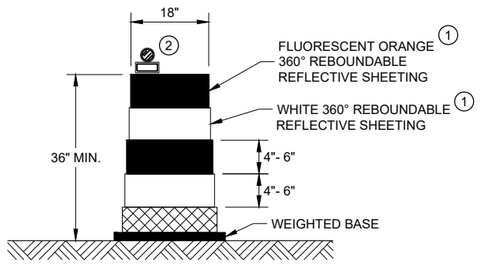
FHWA

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SDD 15C11 - 10a

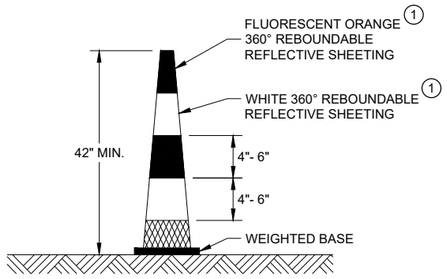
GENERAL NOTES

1. REFLECTIVE SHEETING SHALL FOLLOW THE REQUIREMENTS IN THE APPROVED PRODUCTS LISTING FOR SIGN SHEETING.
2. LOCATION OF WARNING LIGHTS WHEN SHOWN ON THE PLAN.



DRUM

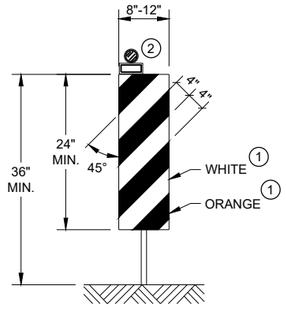
BALLAST WIDTHS
RANGE FROM 24"-36"



42" CONE

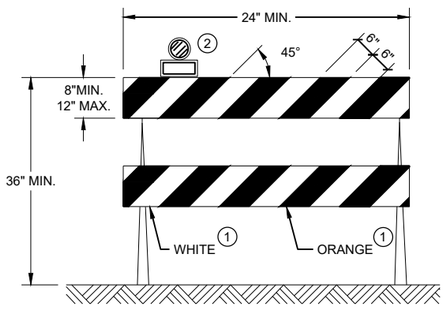
DO NOT USE IN TAPERS
½ SPACING OF DRUMS

BALLAST WIDTHS
RANGE FROM 14"-20"



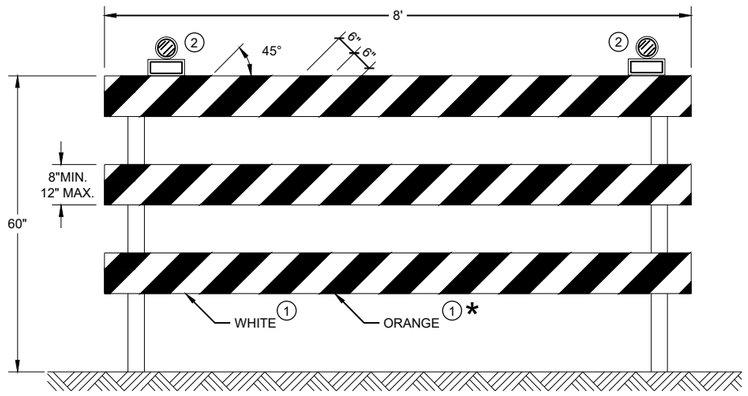
VERTICAL PANEL

THE STRIPES SHALL SLOPE DOWNWARD TO
THE TRAFFIC SIDE FOR CHANNELIZATION.



TYPE II BARRICADE

FOR RAILS LESS THAN 36" LONG, 4" WIDE STRIPES
MAY BE USED. ALL STRIPES SHALL SLOPE DOWNWARD
TO THE TRAFFIC SIDE FOR CHANNELIZATION.



TYPE III BARRICADE

IF SIGN MOUNTED, DO NOT COVER MORE THAN 50% OF THE TOP
TWO RAILS OR 33% OF THE TOTAL AREA OF THE THREE RAILS.

* IF USED FOR A PERMANENT APPLICATION USE RED SHEETING.

CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2022
DATE
/S/ Andrew Heidtke
WORK ZONE ENGINEER
903
FHWA

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SDD 15C11 - 10b

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SDD 15C11 - 10b

LEGEND

SIGN ON PORTABLE OR PERMANENT SUPPORT

TEMPORARY PORTABLE RUMBLE STRIP ARRAY

DIRECTION OF TRAFFIC

WORK AREA

FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF

GENERAL NOTES

DETAILS OF TRAFFIC CONTROL DEVICES AND INSTALLATION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS, THE SPECIAL PROVISIONS, AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.

"WO" SIGNS ARE THE SAME AS "W" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS, DEVICES, AND LOCATION OF ALL FLAGGERS SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

THE FIRST ADVANCE WARNING SIGN SHOULD TYPICALLY BE LOCATED IN ADVANCE OF THE ANTICIPATED TRAFFIC BACKUP OR QUEUE.

WHEN A SIDE ROAD OR RAMP INTERSECTS THE FACILITY ON WHICH THE WORK IS BEING PERFORMED, ADDITIONAL TRAFFIC CONTROLS SHALL BE PROVIDED AS SPECIFIED IN THE PLANS AND/OR THE SPECIAL PROVISIONS OR AS APPROVED BY THE ENGINEER.

FLAGGING

FLAGGERS SHALL BE IN SIGHT OF EACH OTHER OR IN DIRECT COMMUNICATION AT ALL TIMES. THEY SHALL BE EQUIPPED WITH STOP/SLOW PADDLES FASTENED ON SUPPORT STAFFS. WHEN THE FLAGGING OPERATION IS NOT IN EFFECT REMOVE TEMPORARY PORTABLE RUMBLE STRIPS PRIOR TO COVERING OR REMOVING ALL ADVANCE SIGNING.

(1) FOR MOVING WORK OPERATIONS, POST ADDITIONAL W20-7A FLAGGER SIGNS AT APPROXIMATELY 3,500' INTERVALS IN THE MOVING WORK OPERATION OR AS APPROVED BY THE ENGINEER.

(2) SIGN NOT REQUIRED IF FLAGGING OPERATION OCCURS WITHIN A SIGNED ROAD WORK ZONE AREA.

WHEN THE DISTANCE BETWEEN FLAGGERS EXCEEDS 2 MILES, A PILOT CAR IS REQUIRED. WHEN CURVES REDUCE SIGHT DISTANCE BELOW 400', A PILOT CAR IS REQUIRED.

TEMPORARY PORTABLE RUMBLE STRIPS

UTILIZE TEMPORARY PORTABLE RUMBLE STRIPS ON ALL FLAGGING OPERATIONS.

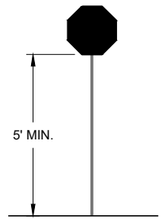
(3) EACH TEMPORARY PORTABLE RUMBLE STRIP ARRAY CONSISTS OF THREE RUMBLE STRIPS PLACED TRANSVERSE ACROSS THE LANE AT THE LOCATIONS SHOWN. WITHIN EACH ARRAY, SPACING BETWEEN RUMBLE STRIPS SHALL BE 15 FEET ON CENTER

ONLY USE TEMPORARY PORTABLE RUMBLE STRIPS FROM THE APPROVED PRODUCTS LIST.

INSTALL TEMPORARY RUMBLE STRIPS PER MANUFACTURER'S RECOMMENDATIONS.

PLACE ADVANCE SIGNING PRIOR TO INSTALLING TEMPORARY RUMBLE STRIPS.

DO NOT INSTALL TEMPORARY PORTABLE RUMBLE STRIPS ON GRAVEL, MILLED SURFACES, OR ASPHALT THAT HAS BEEN PAVED LESS THAN 12 HOURS.



STOP/SLOW PADDLE ON SUPPORT STAFF

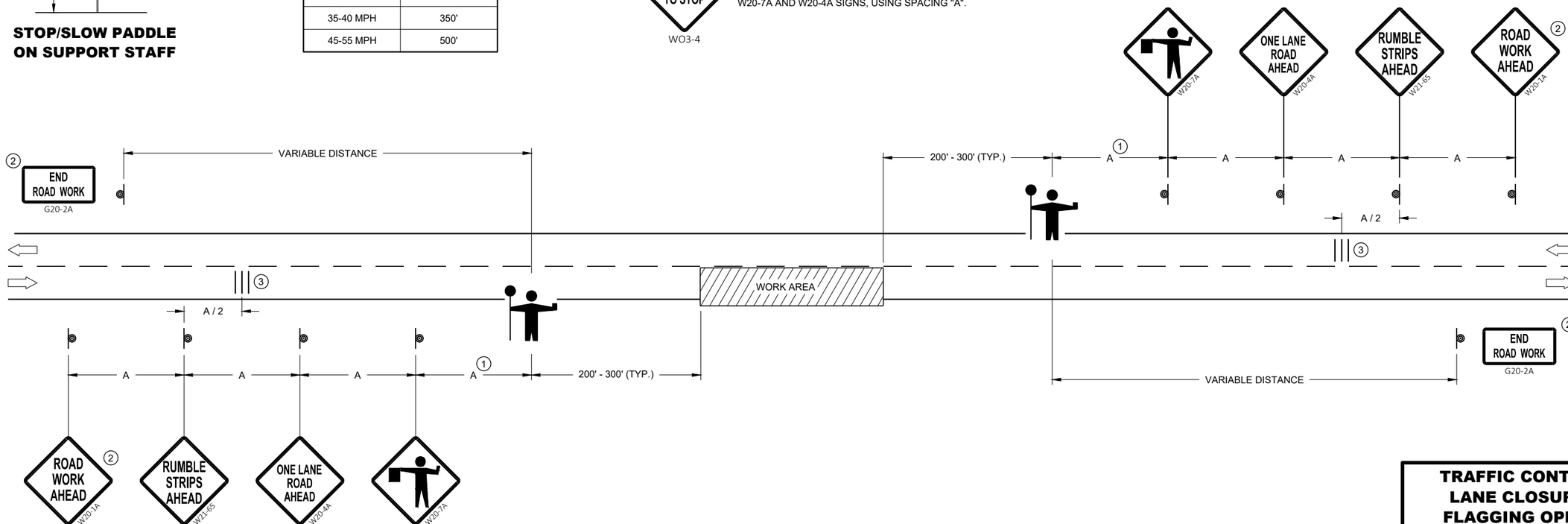
SIGN AND TEMPORARY RUMBLE STRIP ARRAY SPACING TABLE

SPEED LIMIT	SPACING "A"
25-30 MPH	200'
35-40 MPH	350'
45-55 MPH	500'



WO3-4

USE OF WO3-4 SIGN IS OPTIONAL. WHEN USED, THIS SIGN SHALL BE LOCATED BETWEEN THE W20-7A AND W20-4A SIGNS, USING SPACING "A".



TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2022
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE 904

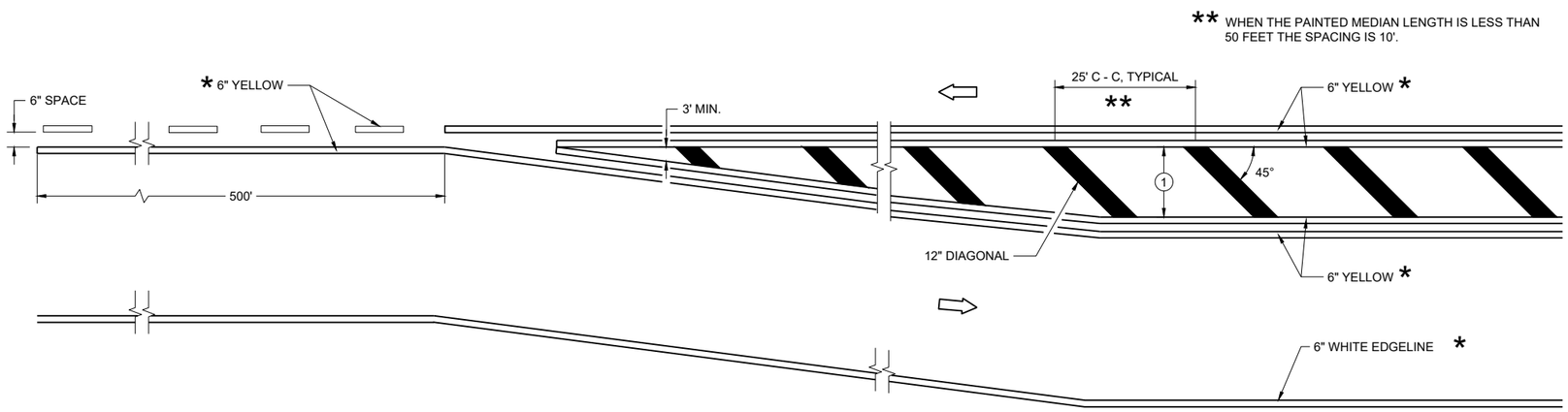
FHWA

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SDD 15C12 - 09a

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SDD 15C12 - 09a



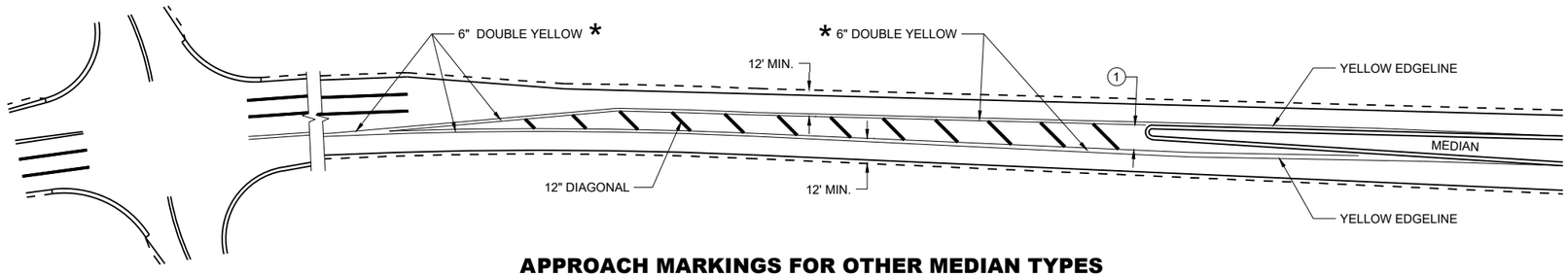
MEDIAN ISLAND DETAIL

GENERAL NOTES

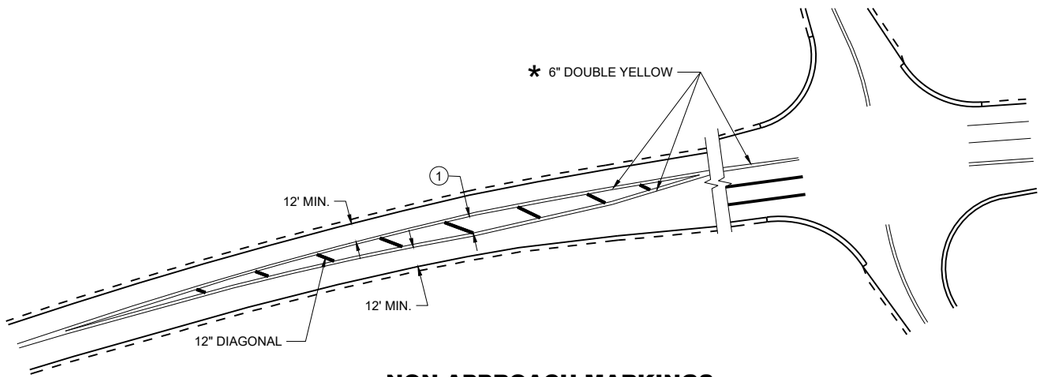
(1) DIAGONALS ARE OPTIONAL WHEN PAINTED ISLAND IS LESS THAN 6 FEET AT THE WIDEST POINT. OMIT DIAGONALS IF WIDTH IS LESS THAN 4 FEET.

DIRECTION OF TRAVEL

*CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES



APPROACH MARKINGS FOR OTHER MEDIAN TYPES



NON-APPROACH MARKINGS

MEDIAN ISLAND PAVEMENT MARKINGS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
August 2024
DATE

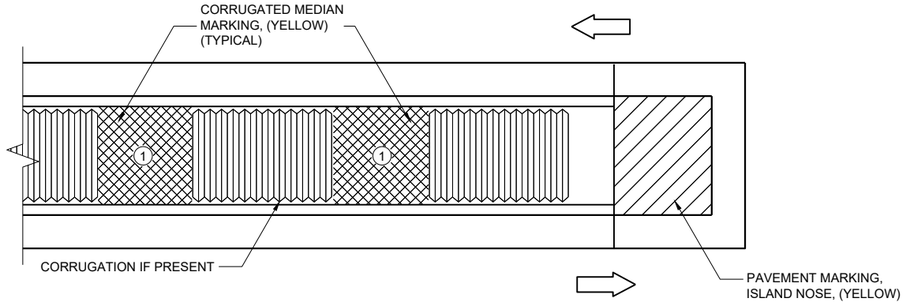
/S/ Jeannie Silver
Statewide Pavement Marking Engineer

FHWA

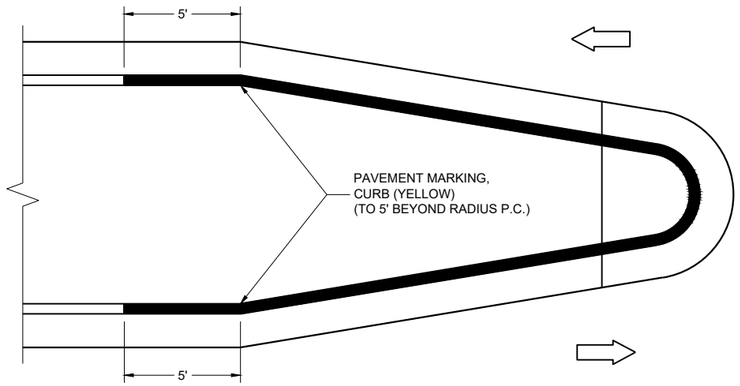
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SDD 15C18-09a

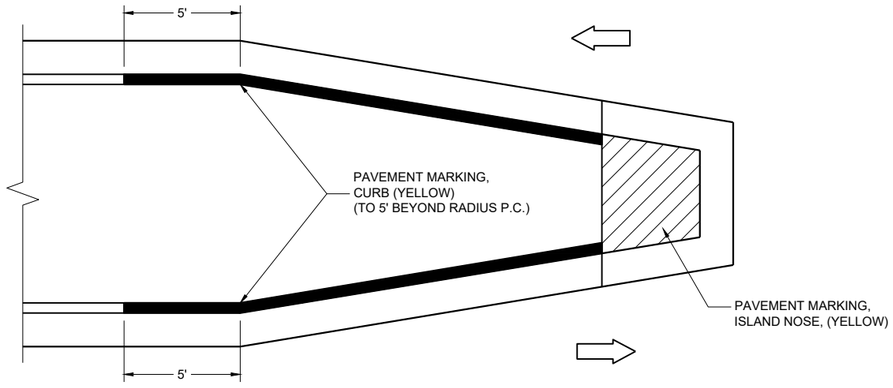
SDD 15C18-09a



MEDIAN ISLAND WITH SQUARE BLUNT NOSE



MEDIAN ISLAND WITH ROUND BLUNT NOSE



MEDIAN ISLAND WITH SLOPED NOSE

TYPICAL PLACEMENT OF PAVEMENT MARKING ON MEDIAN ISLANDS

GENERAL NOTES

WHEN CONCRETE CORRUGATED MEDIAN IS CONSTRUCTED TO SEPARATE TRAFFIC OPERATING IN THE OPPOSING DIRECTION, YELLOW PAVEMENT MARKING SHALL BE APPLIED TO THE FLAT PORTION OF THE CONCRETE CORRUGATED MEDIAN. THE ITEM OF PAVEMENT MARKING, CONCRETE CORRUGATED MEDIAN, WILL BE MEASURED IN PLACE AND ACCEPTED IN ACCORDANCE WITH THE CONTRACT AND PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE FOOT.

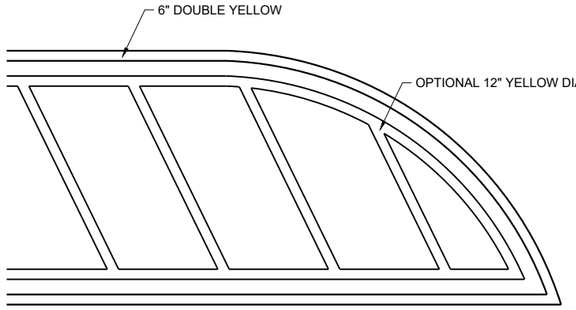
(1) APPLY PAVEMENT MARKING TO THE FLAT PORTION OF CORRUGATED MEDIAN.

ISLAND NOSE MARKING

CURB MARKING

CORRUGATED MEDIAN MARKING

DIRECTION OF TRAVEL



FLUSH MEDIAN ISLAND NOSE

PAVEMENT MARKINGS, MEDIAN ISLAND NOSE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

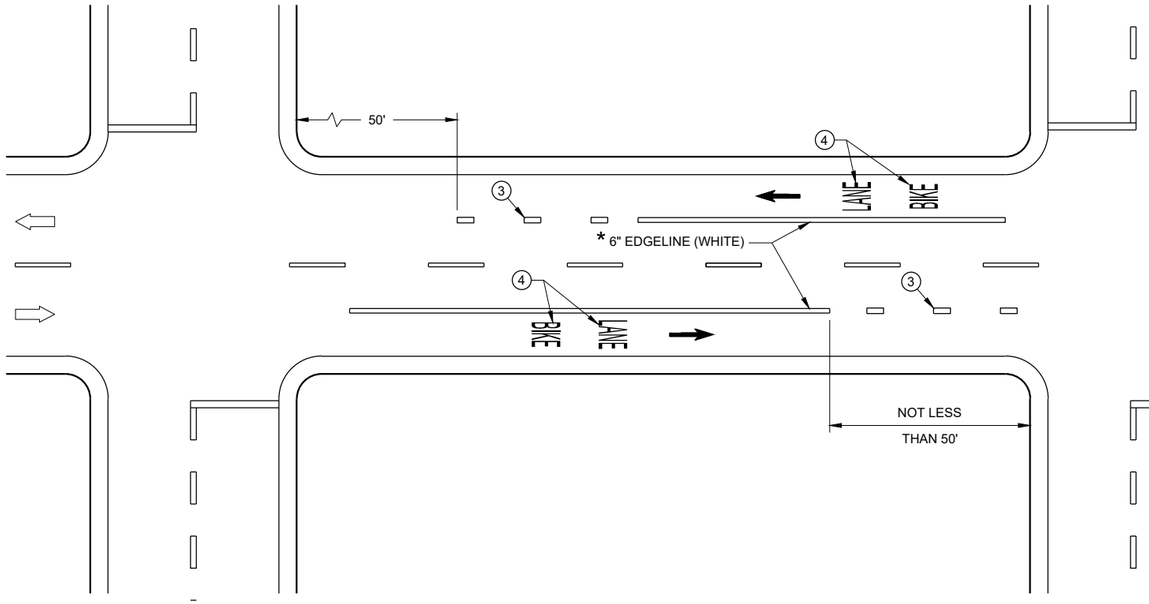
APPROVED
August 2024
DATE

/S/ Jeannie Silver
Statewide Pavement Marking Engineer

FHWA

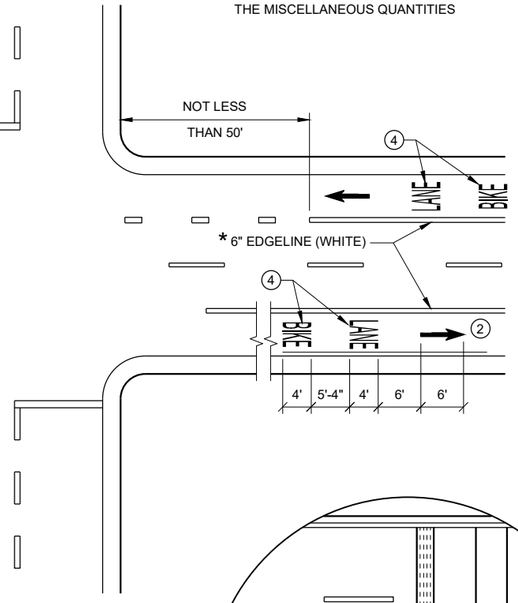
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SDD 15C18-09b



DESIGNATED BIKE LANE - NO PARKING

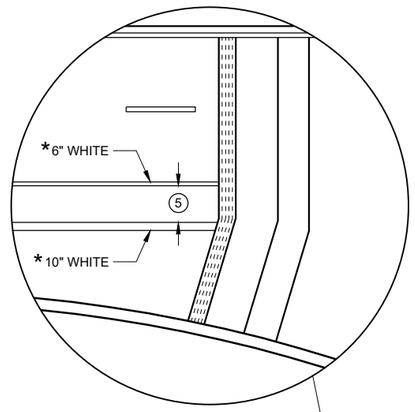
* CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES



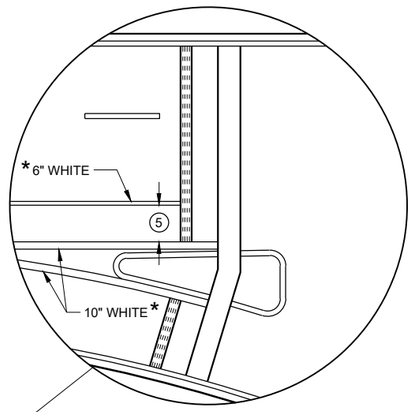
GENERAL NOTES

1. DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS.
2. MINIMUM OF ONE PER BLOCK. MAXIMUM OF 250 FEET.
3. DOTTED LINES (3' LINE, 9' GAP) SHOULD BE USED 50 FEET TO 200 FEET IN ADVANCE OF AN INTERSECTION WHERE THERE IS NO RIGHT TURN ONLY LANE AND THERE IS HEAVY RIGHT TURN TRAFFIC OR THERE IS A NEAR-SIDE BUS STOP. AT OTHER INTERSECTIONS WHERE RIGHT TURN TRAFFIC IS LIGHT TO MODERATE, A SOLID LINE CAN BE USED UP TO THE INTERSECTION.
4. BIKE SYMBOLS OR WORDS MAY BE USED.
5. BIKE ACCOMMODATION IS TYPICAL 5 FEET WIDE AND MINIMUM OF 4 FEET FROM A LONGITUDINAL JOINT. USE 5 FEET AT ≥ 45 MPH.
6. OMIT THESE MARKINGS FOR WIDER TURN LANE APPLICATIONS (MINIMUM OF 15 FOOT WIDE TURN LANE).
7. REFER TO CONTRACT PLANS FOR LANE WIDTH.

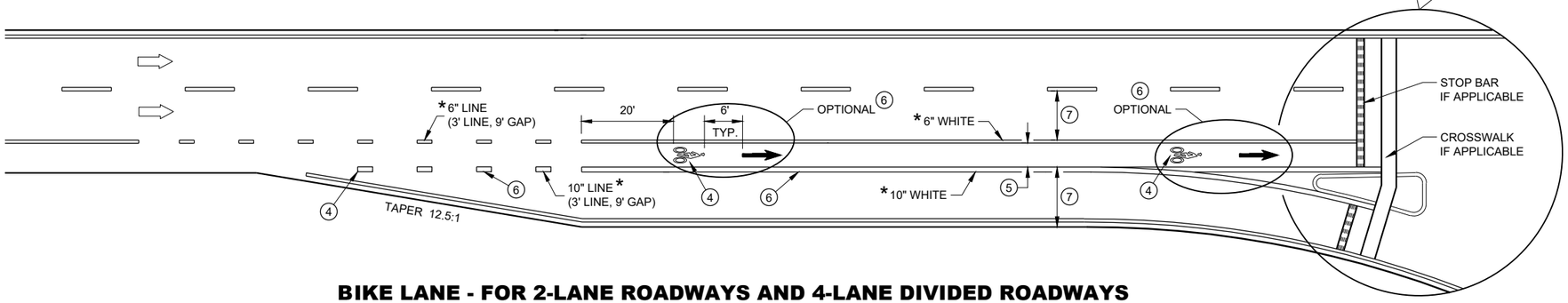
DIRECTION OF TRAVEL



4 LANE DIVIDED WITHOUT ISLAND



4 LANE DIVIDED WITH ISLAND



BIKE LANE - FOR 2-LANE ROADWAYS AND 4-LANE DIVIDED ROADWAYS
(4-LANE DIVIDED WITH RIGHT TURN LANE SHOWN)

BIKE LANE MARKING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023 — DATE
/S/ Matthew Rauch — STATE SIGNING AND MAF ENGINEER
FHWA

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SDD 15C29-08a

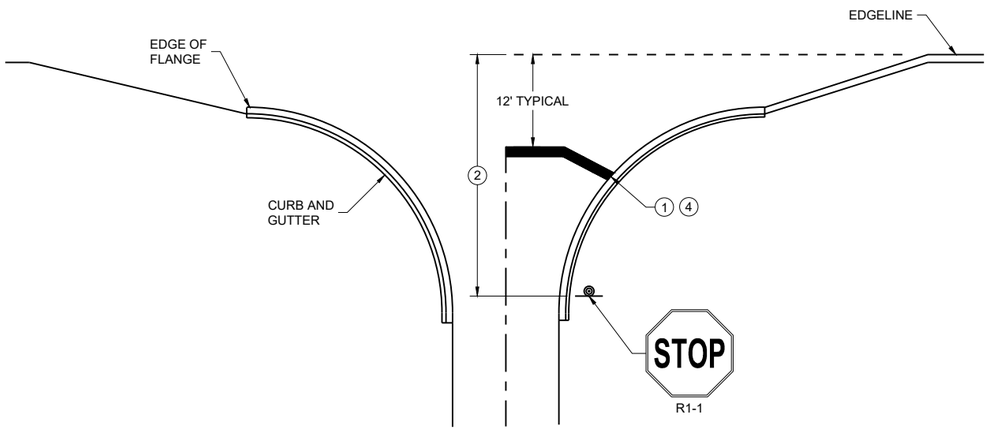
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SDD 15C29-08a

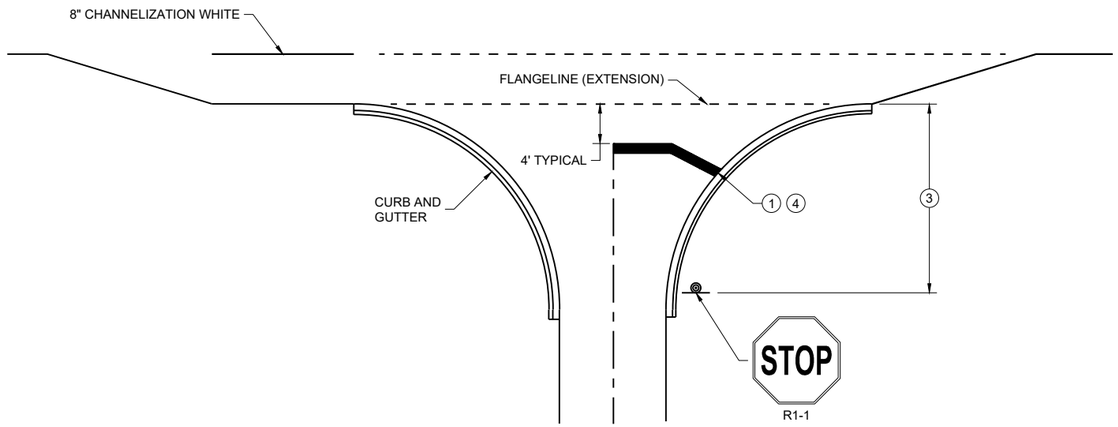
GENERAL NOTES

STOP SIGN SHALL BE PLACED A MINIMUM OF 6 FEET TO A MAXIMUM OF 50 FEET FROM THE EDGELINE LOCATION.

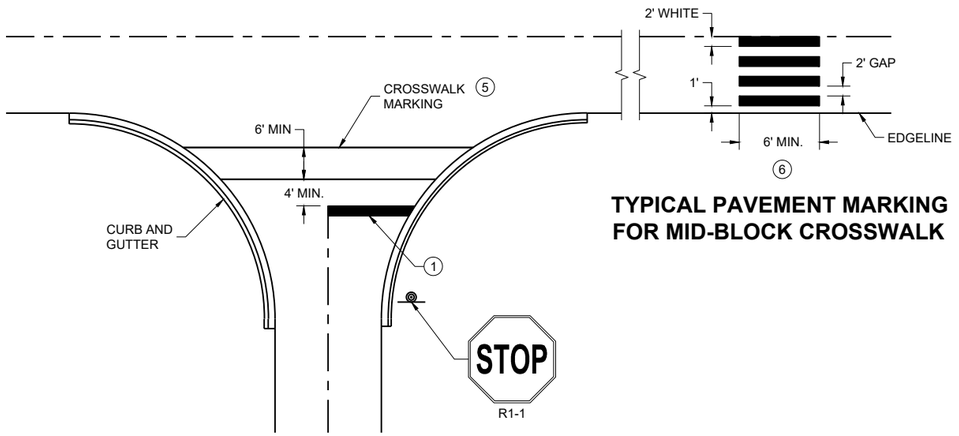
1. 18-INCH STOP LINES MAY BE DELETED OR ADDED BY THE REGION MARKING ENGINEER BASED ON VISIBILITY AND SIGHT LINES.
2. NO STOP LINE IS REQUIRED IF STOP SIGN IS LESS THAN OR EQUAL TO 40 FEET FROM THE EDGELINE.
3. NO STOP LINE IS REQUIRED IF STOP SIGN IS LESS THAN OR EQUAL TO 30 FEET FROM THE FLANGE LINE EXTENSION.
4. MOVE CLOSER TO THE EDGE OF TRAVEL LINE AS NEEDED FOR VISIBILITY AND SIGHT LINES (NO CLOSER THAN 4 FEET).
5. LADDER BAR CROSSWALKS SHOULD ONLY BE USED FOR MID BLOCK CROSSINGS. USE 2 - 6" TRANSVERSE LINES.
6. POSTED SPEED LIMITS OF 40 MPH OR GREATER USE A MINIMUM WIDTH OF 8' FOR MIDBLOCK CROSSWALKS



TYPICAL STOP LINE PAVEMENT MARKING WITH CURB AND GUTTER

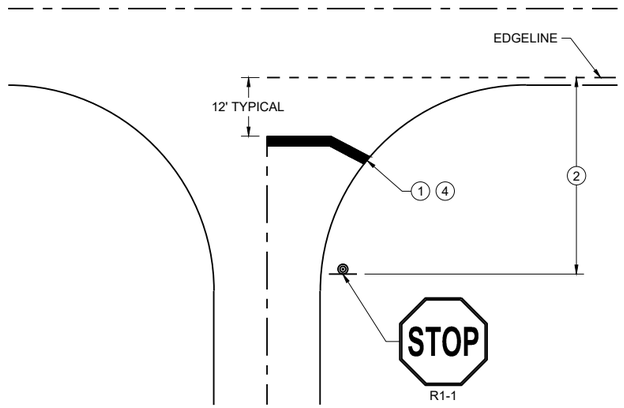


TYPICAL STOP LINE PAVEMENT MARKING FOR SIDE ROADS WITH RIGHT TURN LANE



TYPICAL PAVEMENT MARKING FOR MID-BLOCK CROSSWALK 5

TYPICAL STOP LINE PAVEMENT MARKING FOR SIDE ROADS WITH CROSSWALK MARKING



TYPICAL STOP LINE PAVEMENT MARKING WITHOUT CURB AND GUTTER

STOP LINE AND CROSSWALK PAVEMENT MARKING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

March 2024 — DATE

/S/ Matthew Rauch — STATE SIGNING AND MARKING ENGINEER

FHWA

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SDD 15C33-05

6

SDD 15C33-05

LEGEND

- SIGN ON PERMANENT SUPPORT
- DELINEATOR, FLEXIBLE/TUBULAR MARKER
- DIRECTION OF TRAFFIC

GENERAL NOTES

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED.

"WO" SIGN IS THE SAME AS "W" SIGN EXCEPT THE BACKGROUND IS ORANGE.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH THE TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER. NO WARNING LIGHTS SHALL BE WORKING ON COVERED OR "DOWNED" SIGNS.

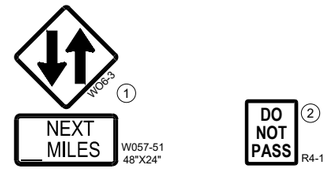
THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

THE SPACING BETWEEN SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A MINIMUM OF 200 FEET (500' DESIRABLE) DISTANCE TO EXISTING SIGNS.

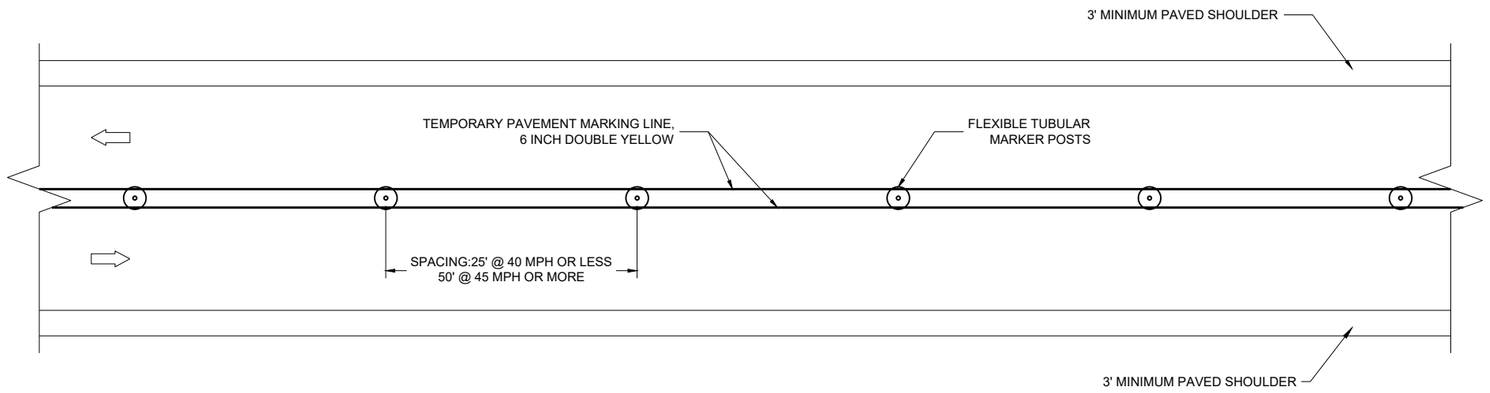
A SINGLE ROW OF FLEXIBLE TUBULAR MARKERS ON CENTERLINE EXTEND FOR THE ENTIRE LENGTH OF TWO-WAY TRAFFIC AT 50 FOOT SPACING.

COVER EXISTING CENTERLINE STRIPE WITH TEMPORARY PAVEMENT MARKING LINE, 6 INCH DOUBLE YELLOW.

PARTIAL NUMBERS ON SIGNS SHALL BE DISPLAYED AS A WHOLE NUMBER(AS NEEDED) FOLLOWED BY A FRACTION. SIGNS SHALL NOT DISPLAY NUMBERS IN DECIMAL FORM.



1. THE WO6-3 AND WO57-51 SHALL BE LOCATED 200 FEET BEYOND THE END OF THE ACCELERATION LANE OF EACH ENTRANCE RAMP AND / OR 500 FEET BEYOND ANY SIDE ROAD. THE R4-1 SHALL BE LOCATED 1000 FEET BEYOND THE WO6-3 AND THE WO57-51 AND THE SIGNS SHALL BE ALTERNATED WITH ONE MILE INTERVALS BETWEEN THE SIGNS.
2. CONVENTIONAL: 24" X 30"
   FREEWAY AND EXPRESSWAY: 36" X 48"



TWO LANE, TWO WAY OPERATION

6

SDD 15D06-07

TRAFFIC CONTROL
TWO LANE TWO WAY
OPERATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2025 — DATE
/S/ Andrew Heidtke — WORK ZONE TRAFFIC SAFETY ENGINEER

FHWA

6

SDD 15D06-07

LEGEND

- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- REMOVING PAVEMENT MARKINGS
- DIRECTION OF TRAFFIC
- WORK AREA
- CONNECTED ARROW BOARD
- WZ START LOCATION MARKER
- WZ END LOCATION MARKER

GENERAL NOTES

FOR WORK ON ROADWAYS WITH SPEEDS GREATER THAN 45MPH, USE SDD 15D12.

THIS LANE CLOSURE DETAIL IS TYPICAL FOR CLOSING THE LEFT LANE. FOR A RIGHT LANE CLOSURE, REVERSE THE TRAFFIC CONTROL.

THIS DETAIL MAY BE USED FOR ROADWAYS WITH EITHER TWO OR THREE LANES IN EACH DIRECTION.

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS IN URBAN AREAS, 36"X 36" SIGNS MAY BE USED IF APPROVED BY REGIONAL TRAFFIC UNIT.

"WO" SIGN IS THE SAME AS "W" SIGN EXCEPT THE BACKGROUND IS ORANGE.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH THE TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER. NO WARNING LIGHTS SHALL BE WORKING ON COVERED OR "DOWNED" SIGNS.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS OR THAT WILL BE PLACED IN A CLOSED LANE MAY BE MOUNTED ON TEMPORARY SUPPORTS.

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A MINIMUM OF 200 FEET (500' DESIRABLE) DISTANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE

W20-1A, G20-1 AND G20-2A SIGNS ARE NOT REQUIRED IF THE LANE CLOSURE IS WITHIN A LARGER WORK ZONE WHERE THESE SIGNS ARE ALREADY PRESENT.

REMOVE PAVEMENT MARKINGS AND PLACE TEMPORARY PAVEMENT MARKING LINE IF LANE CLOSURE IS TO BE IN PLACE FOR 4 OR MORE CONTINUOUS DAYS AND NIGHTS.

CONSIDER GEOMETRICS WHEN LOCATING SIGNS AND ARROW BOARDS SO THE APPROACHING DRIVER HAS A CLEAR VIEW OF THE ARROW BOARDS AND LANE CLOSURE DRUMS FOR A MINIMUM 1500 FEET IN FRONT OF DRUMS.

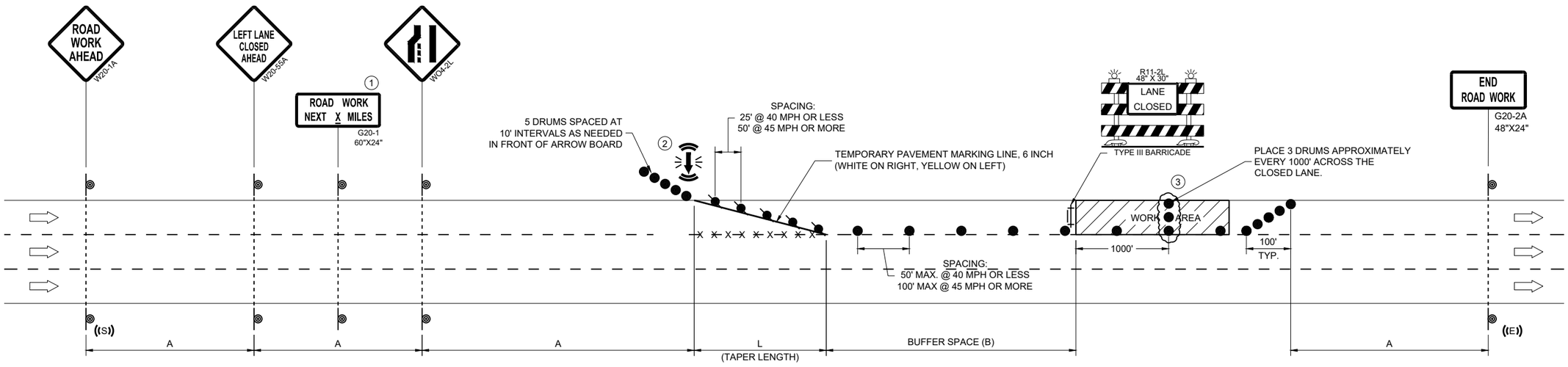
CHANNELIZING DEVICES PLACED ADJACENT TO WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.

(1) OMIT G20-1 SIGNS IF LENGTH OF WORK AREA IS 2 MILES OR LESS.

(2) WHERE THE SHOULDER OR TERRACE HAS INSUFFICIENT SPACE TO PLACE THE ARROW BOARD AS SHOWN, PLACE THE ARROW BOARD AT THE END OF THE TAPER.

(3) DRUMS IN A CLOSED LANE THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY REESTABLISHED UPON COMPLETION OF THE OPERATION, OR FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.



POSTED SPEED LIMIT PRIOR TO WORK STARTING (MPH)	ADVANCE WARNING SIGN SPACING (A) FEET	TAPER LENGTH (12 FT. LANE) (L) FEET	BUFFER SPACE (B) FEET
25	200'	125'	155'
30	200'	180'	200'
35	350'	245'	250'
40	350'	320'	305'
45	500'	540'	360'

TRAFFIC CONTROL, SINGLE LANE CLOSURE, DIVIDED NON-FREEWAY/EXPRESSWAY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2025
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

6

SDD 15D20-11a
SDD 15D20-11a

LEGEND

- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- REMOVING PAVEMENT MARKINGS
- DIRECTION OF TRAFFIC
- WORK AREA
- CONNECTED ARROW BOARD
- WZ START LOCATION MARKER
- WZ END LOCATION MARKER

GENERAL NOTES

THIS DETAIL MAY BE USED FOR ROADWAYS WITH EITHER TWO OR THREE LANES IN EACH DIRECTION.

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS IN URBAN AREAS, 36"X 36" SIGNS MAY BE USED IF APPROVED BY REGIONAL TRAFFIC UNIT.

"WO" SIGN IS THE SAME AS "W" SIGN EXCEPT THE BACKGROUND IS ORANGE.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH THE TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER. NO WARNING LIGHTS SHALL BE WORKING ON COVERED OR "DOWNED" SIGNS.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS OR THAT WILL BE PLACED IN A CLOSED LANE MAY BE MOUNTED ON TEMPORARY SUPPORTS.

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A MINIMUM OF 200 FEET (500' DESIRABLE) DISTANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE

W20-1A, G20-1 AND G20-2A SIGNS ARE NOT REQUIRED IF THE LANE CLOSURE IS WITHIN A LARGER WORK ZONE WHERE THESE SIGNS ARE ALREADY PRESENT.

REMOVE PAVEMENT MARKINGS AND PLACE TEMPORARY PAVEMENT MARKING LINE IF LANE CLOSURE IS TO BE IN PLACE FOR 4 OR MORE CONTINUOUS DAYS AND NIGHTS.

CONSIDER GEOMETRICS WHEN LOCATING SIGNS AND ARROW BOARDS SO THE APPROACHING DRIVER HAS A CLEAR VIEW OF THE ARROW BOARDS AND LANE CLOSURE DRUMS FOR A MINIMUM 1500 FEET IN FRONT OF DRUMS.

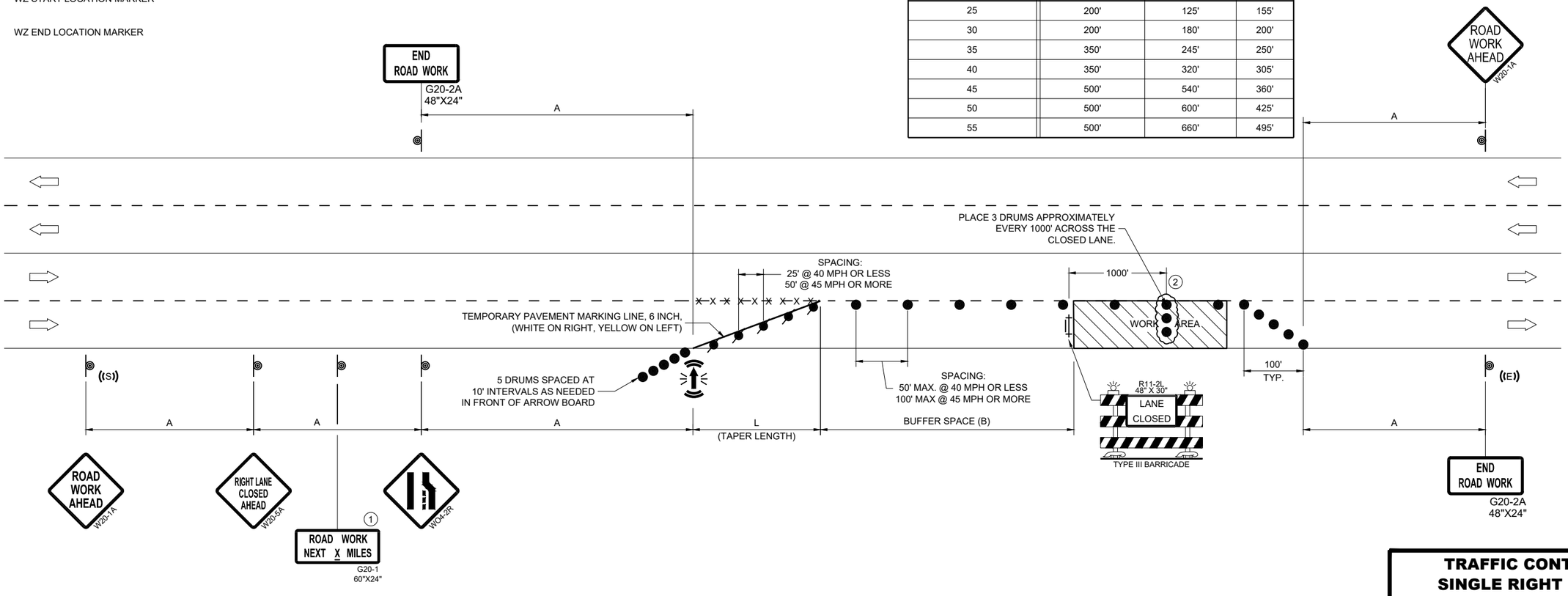
CHANNELIZING DEVICES PLACED ADJACENT TO WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.

(1) OMIT G20-1 SIGNS IF LENGTH OF WORK AREA IS 2 MILES OR LESS.

(2) DRUMS IN A CLOSED LANE THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY REESTABLISHED UPON COMPLETION OF THE OPERATION, OR FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

POSTED SPEED LIMIT PRIOR TO WORK STARTING (MPH)	ADVANCE WARNING SIGN SPACING (A) FEET	TAPER LENGTH (12 FT. LANE) (L) FEET	BUFFER SPACE (B) FEET
25	200'	125'	155'
30	200'	180'	200'
35	350'	245'	250'
40	350'	320'	305'
45	500'	540'	360'
50	500'	600'	425'
55	500'	660'	495'



TRAFFIC CONTROL, SINGLE RIGHT LANE CLOSURE, UNDIVIDED NON-FREEWAY/EXPRESSWAY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2025
DATE
/S/ Andrew Heidtke
WORK ZONE ENGINEER
FHWA

6

SDD 15D20-11b

6

SDD 15D20-11b

LEGEND

- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- REMOVING PAVEMENT MARKINGS
- DIRECTION OF TRAFFIC
- WORK AREA
- CONNECTED ARROW BOARD
- WZ START LOCATION MARKER
- WZ END LOCATION MARKER

GENERAL NOTES

THIS DETAIL MAY BE USED FOR ROADWAYS WITH EITHER TWO OR THREE LANES IN EACH DIRECTION.

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS IN URBAN AREAS, 36"X 36" SIGNS MAY BE USED IF APPROVED BY REGIONAL TRAFFIC UNIT.

"WO" SIGN IS THE SAME AS "W" SIGN EXCEPT THE BACKGROUND IS ORANGE.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH THE TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER. NO WARNING LIGHTS SHALL BE WORKING ON COVERED OR "DOWNED" SIGNS.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS OR THAT WILL BE PLACED IN A CLOSED LANE MAY BE MOUNTED ON TEMPORARY SUPPORTS.

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A MINIMUM OF 200 FEET (500' DESIRABLE) DISTANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

W20-1A, G20-1 AND G20-2A SIGNS ARE NOT REQUIRED IF THE LANE CLOSURE IS WITHIN A LARGER WORK ZONE WHERE THESE SIGNS ARE ALREADY PRESENT.

REMOVE PAVEMENT MARKINGS AND PLACE TEMPORARY PAVEMENT MARKING LINE IF LANE CLOSURE IS TO BE IN PLACE FOR 4 OR MORE CONTINUOUS DAYS AND NIGHTS.

CONSIDER GEOMETRICS WHEN LOCATING SIGNS AND ARROW BOARDS SO THE APPROACHING DRIVER HAS A CLEAR VIEW OF THE ARROW BOARDS AND LANE CLOSURE DRUMS FOR A MINIMUM 1500 FEET IN FRONT OF DRUMS.

DUE TO LACK OF SHOULDER/MEDIAN, ARROW BOARD IS PLACED AT THE THE END OF THE TAPER.

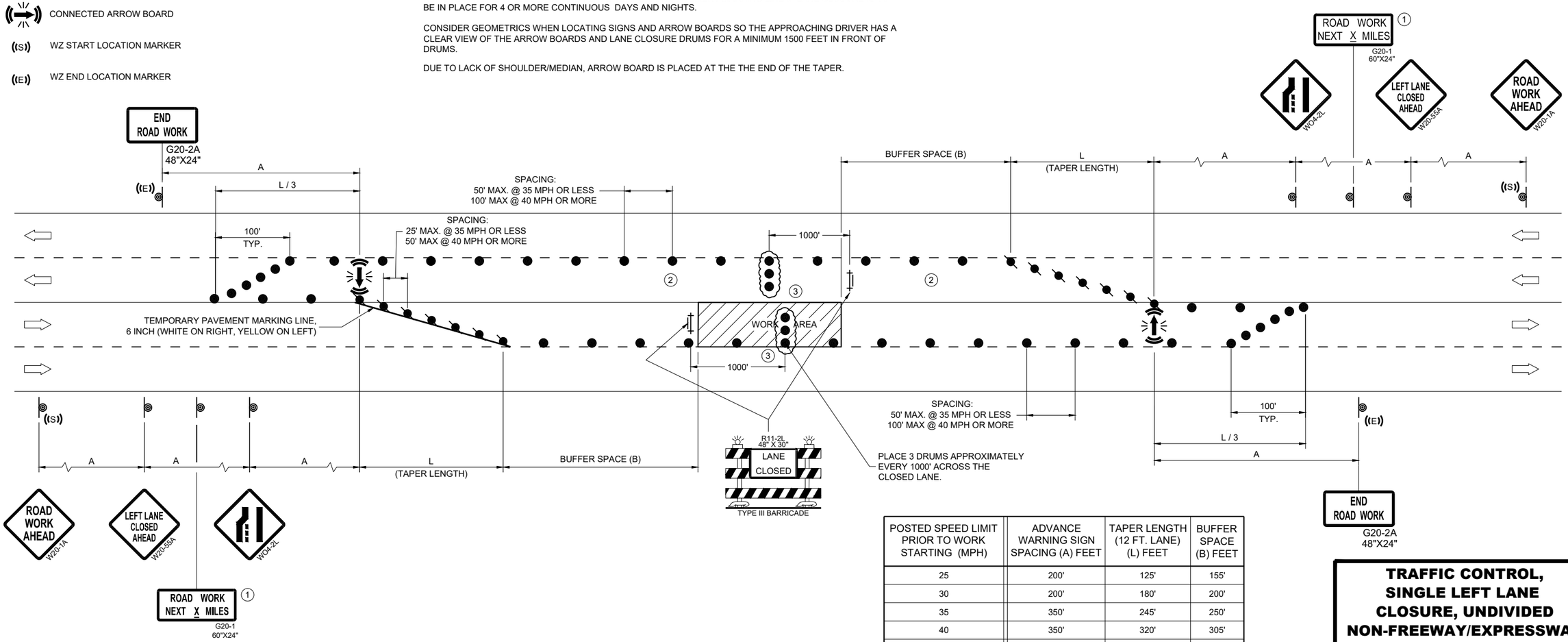
CHANNELIZING DEVICES PLACED ADJACENT TO WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.

(1) OMIT G20-1 SIGNS IF LENGTH OF WORK AREA IS 2 MILES OR LESS.

(2) LANE MAY BE OPENED WHEN WORKERS ARE NOT PRESENT IN THE WORK AREA.

DRUMS IN A CLOSED LANE THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY REESTABLISHED UPON COMPLETION OF THE OPERATION, OR FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.



POSTED SPEED LIMIT PRIOR TO WORK STARTING (MPH)	ADVANCE WARNING SIGN SPACING (A) FEET	TAPER LENGTH (12 FT. LANE) (L) FEET	BUFFER SPACE (B) FEET
25	200'	125'	155'
30	200'	180'	200'
35	350'	245'	250'
40	350'	320'	305'
45	500'	540'	360'
50	500'	600'	425'
55	500'	660'	495'

TRAFFIC CONTROL, SINGLE LEFT LANE CLOSURE, UNDIVIDED NON-FREEWAY/EXPRESSWAY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

November 2025
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEER

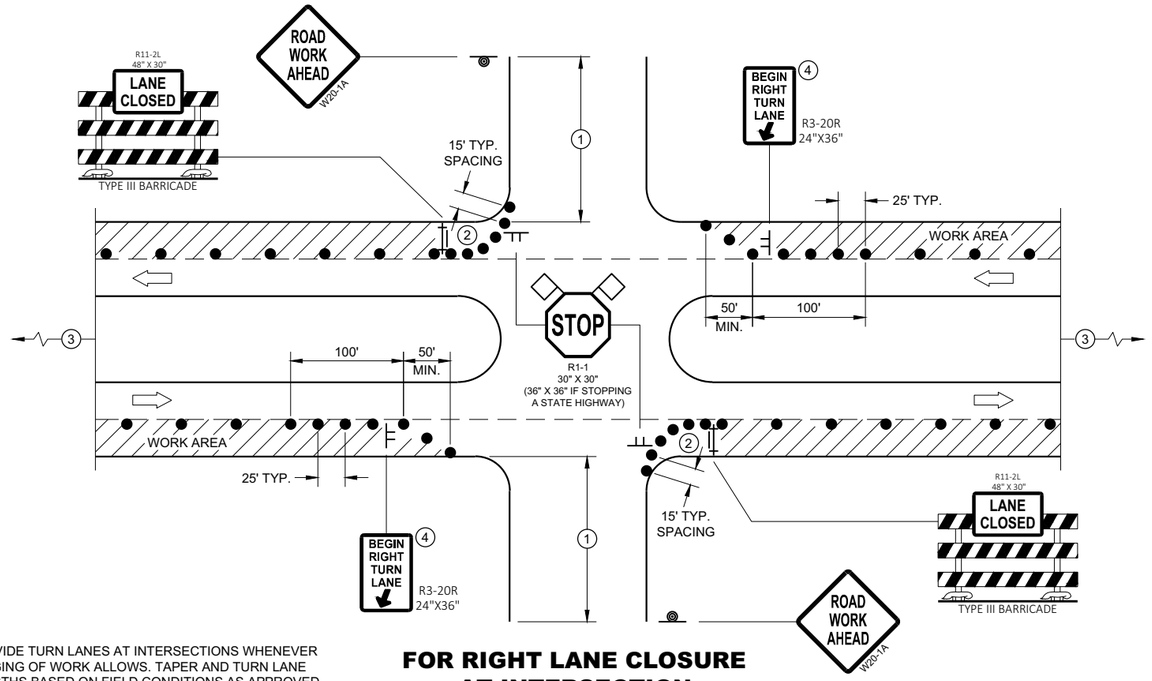
FHWA

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SDD 15D20-11c

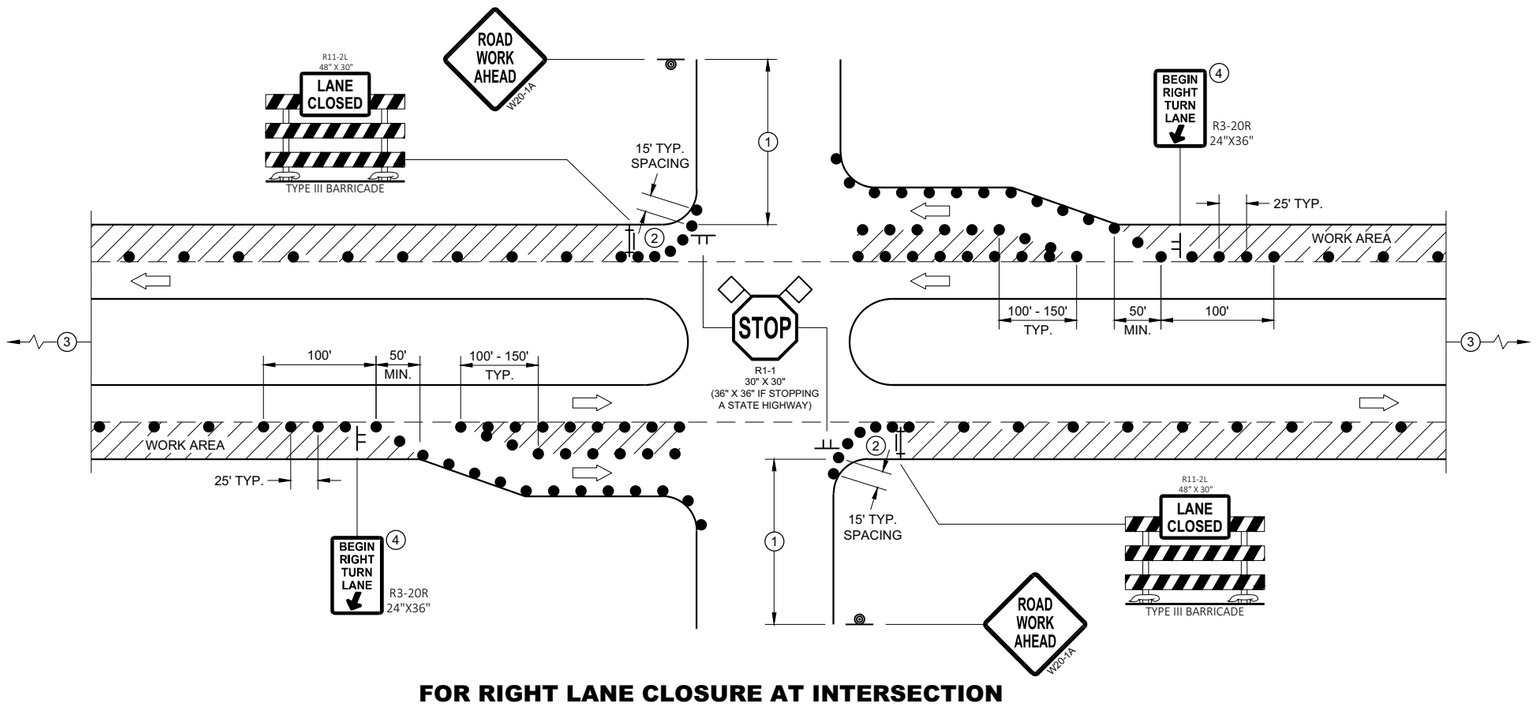
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SDD 15D20-11c



FOR RIGHT LANE CLOSURE AT INTERSECTION

PROVIDE TURN LANES AT INTERSECTIONS WHENEVER STAGING OF WORK ALLOWS. TAPER AND TURN LANE LENGTHS BASED ON FIELD CONDITIONS AS APPROVED BY THE ENGINEER.



FOR RIGHT LANE CLOSURE AT INTERSECTION (WITH RIGHT TURN BAY OPEN)

GENERAL NOTES

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS IN URBAN AREAS, 36" X 36" MAY BE USED IF APPROVED BY THE DISTRICT TRAFFIC UNIT.

"WO" SIGN IS THE SAME AS "W" SIGN EXCEPT THE BACKGROUND IS ORANGE.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH THE TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER. NO WARNING LIGHTS SHALL BE WORKING ON COVERED OR "DOWNED" SIGNS.

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A MINIMUM OF 200 FEET (500' DESIRABLE) DISTANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE

SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE FHWA'S MANUAL OF STANDARD HIGHWAY SIGNS OR THE WISCONSIN STANDARD SIGN PLATES.

SIGNS THAT WILL REMAIN IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS OR THAT WILL BE PLACED IN A CLOSED LANE MAY BE MOUNTED ON PORTABLE SUPPORTS.

BARRICADES IN A CLOSED LANE THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY REESTABLISHED UPON COMPLETION OF THE OPERATION, OR FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

CHANNELIZING DEVICES PLACED ADJACENT TO WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

(1) 500' TYPICAL OR AT LAST INTERSECTION, WHICHEVER IS CLOSER.
350' IF 35 - 40 MPH.
200' IF 25 - 30 MPH.

(2) ALSO USE BARRICADE AND 15 FOOT TYPICAL DRUM SPACING AT COMMERCIAL DRIVEWAYS

(3) SEE SEPARATE LANE CLOSURE DETAIL FOR ADDITIONAL TRAFFIC CONTROL.

(4) MINIMUM MOUNTING HEIGHT OF 5 FEET FROM EDGE OF PAVEMENT (AT EDGE LINE LOCATION) TO BOTTOM OF SIGN.

LEGEND

- SIGN ON TEMPORARY SUPPORT
- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TYPE III BARRICADE WITH ATTACHED SIGN
- DIRECTION OF TRAFFIC
- FLAGS, 16" X 16" MIN., ORANGE
- WORK AREA

6

SDD 15D21 - 07a

6

SDD15D21 - 07a

TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE RIGHT LANE CLOSURE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

LEGEND

- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- DIRECTION OF TRAFFIC
- WORK ZONE

GENERAL NOTES

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS IN URBAN AREAS, 36" X 36" SIGNS MAY BE USED IF APPROVED BY THE REGIONAL TRAFFIC UNIT.

"WO" SIGN IS THE SAME AS "W" SIGN EXCEPT THE BACKGROUND IS ORANGE.

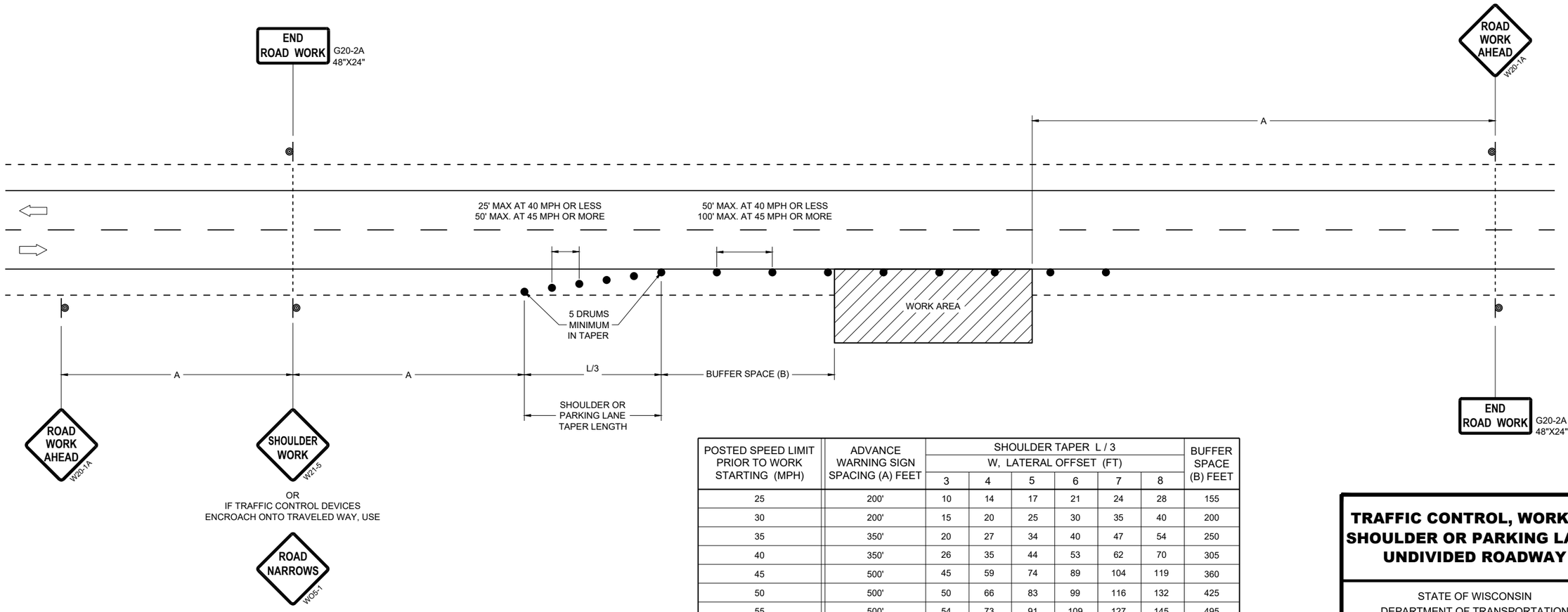
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THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

CHANNELIZING DEVICES PLACED ADJACENT TO WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

W20-1A AND G20-2A SIGNS ARE NOT REQUIRED IF THE WORK AREA IS WITHIN A LARGER WORK ZONE WHERE THESE SIGNS ARE ALREADY PRESENT. G20-2A SIGNS MAY ALSO BE OMITTED IF DURATION OF WORK IS LESS THAN 7 CONTINUOUS DAYS AND NIGHTS.



POSTED SPEED LIMIT PRIOR TO WORK STARTING (MPH)	ADVANCE WARNING SIGN SPACING (A) FEET	SHOULDER TAPER L / 3 W, LATERAL OFFSET (FT)						BUFFER SPACE (B) FEET
		3	4	5	6	7	8	
25	200'	10	14	17	21	24	28	155
30	200'	15	20	25	30	35	40	200
35	350'	20	27	34	40	47	54	250
40	350'	26	35	44	53	62	70	305
45	500'	45	59	74	89	104	119	360
50	500'	50	66	83	99	116	132	425
55	500'	54	73	91	109	127	145	495

TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2025
DATE

/S/ ANDREW HEIDTKE
STATEWIDE WORK ZONE TRAFFIC SAFETY ENGINEER

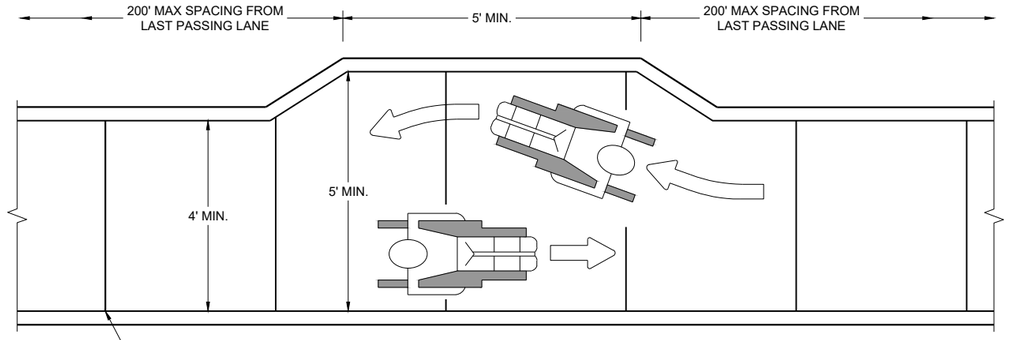
FHWA

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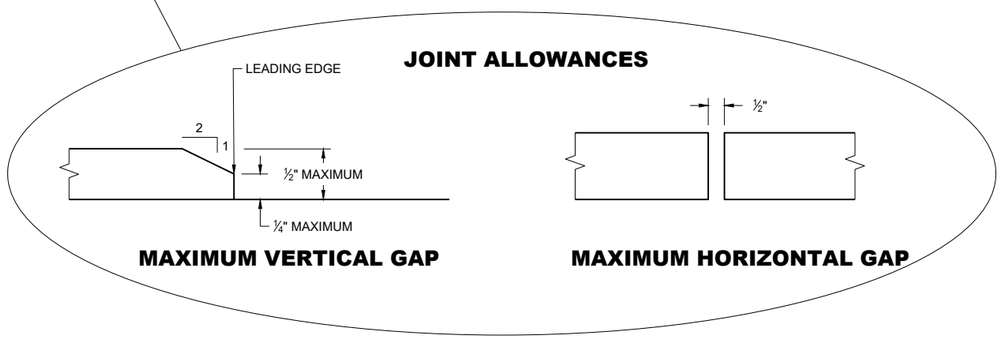
SDD 15D28-05

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SDD 15D28-05



NARROW SIDEWALK PASSING DETAIL



MAXIMUM VERTICAL GAP

MAXIMUM HORIZONTAL GAP

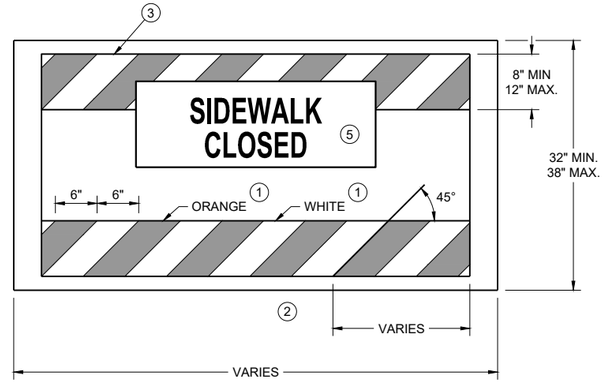
GENERAL NOTES

BARRICADE DEVICE SELECTED FROM APPROVED PRODUCT LIST

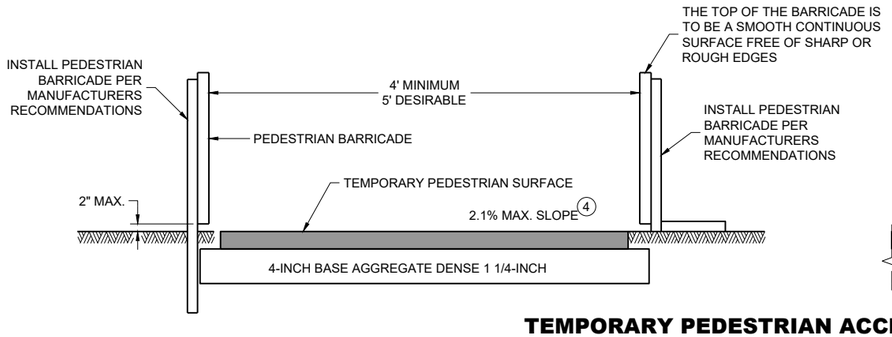
1. REFLECTIVE SHEETING SHALL FOLLOW THE REQUIREMENTS IN THE APPROVED PRODUCTS LISTING FOR SIGN SHEETING.
2. SHEETING REQUIRED ON MORE THAN 50% OF BARRICADE WIDTH.
3. PLACE SHEETING ON BOTH SIDES OF THE BARRICADE.

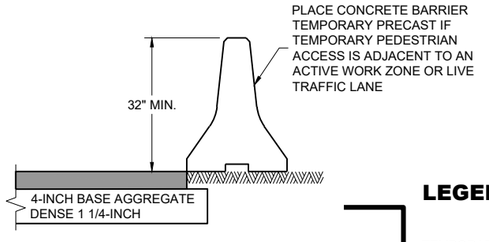
* USE THIS DETAIL FOR SHEETING PLACEMENT REFERENCE.

4. WHEN THE TEMPORARY PEDESTRIAN ACCESS ROUTE RUNS PARALLEL ON THE ROADWAY SURFACE, THE MAXIMUM CROSS SLOPE WILL MATCH THE EXISTING ROADWAY CROSS SLOPE.
5. WHERE SIGNS FOR TEMPORARY PEDESTRIAN ACCOMMODATIONS ARE SHOWN BEING PLACED BEHIND TEMPORARY PEDESTRIAN BARRICADE, THE SIGNS MAY BE MOUNTED ON THE TEMPORARY PEDESTRIAN BARRICADE INSTEAD. A CORRUGATED POLYPROPYLENE OR POLYETHYLENE PLASTIC SIGN BASE SHALL BE USED IF MOUNTED ON THE BARRICADE. THE TOP OF THE SIGN SHALL BE MOUNTED BELOW THE TOP OF THE BARRICADE TO ALLOW A CONTINUOUS HAND-TRAILING EDGE.

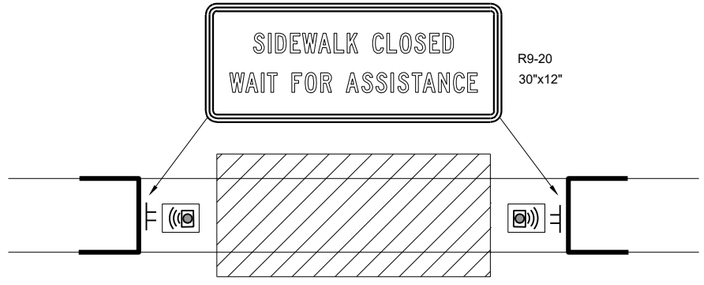


TEMPORARY PEDESTRIAN BARRICADE *





TEMPORARY PEDESTRIAN ACCESS



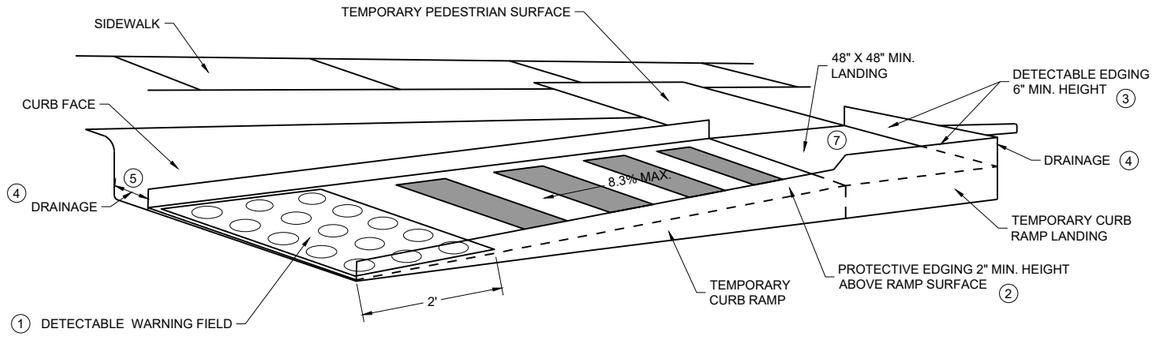
TEMPORARY PEDESTRIAN FLAGGING

LEGEND

- TEMPORARY PEDESTRIAN BARRICADE
- AUDIBLE MESSAGE DEVICE
- TEMPORARY SIGN SUPPORT
- WORK AREA

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



PERSPECTIVE VIEW

GENERAL NOTES

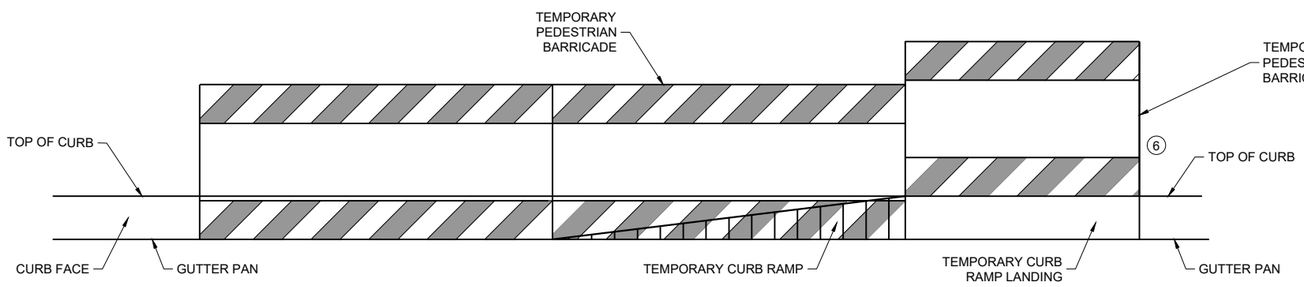
CURB RAMPS SHALL BE 48" MIN. WIDTH WITH A FIRM, STABLE AND SLIP RESISTANT SURFACE.

CURB RAMPS AND LANDINGS SHALL HAVE A 1:48 (2.1%) MAX. CROSS-SLOPE.

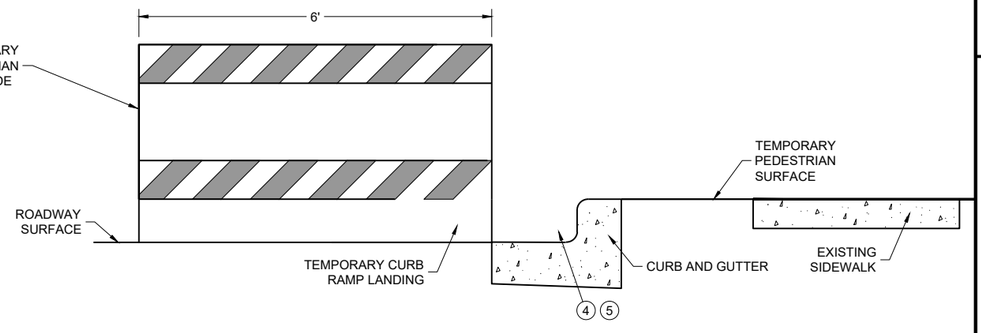
CLEAR SPACE OF 48" X 48" SHALL BE PROVIDED ABOVE AND BELOW THE CURB RAMP. LATERAL JOINTS OR GAPS BETWEEN SURFACES SHALL BE LESS THAN ½" WIDTH.

CHANGES BETWEEN SURFACE HEIGHTS SHALL NOT EXCEED ½". LATERAL EDGES MAY BE VERTICAL UP TO ¼" HIGH AND SHALL BE BEVELED AT 1:2 BETWEEN ¼" AND ½".

1. INSTALL CONTRASTING TEMPORARY DETECTABLE WARNING FIELD AT PEDESTRIAN STREET CROSSINGS, AS SHOWN IN THE PLANS.
2. PROTECTIVE EDGING WITH A 2" MIN. HEIGHT SHALL BE INSTALLED WHEN A CURB RAMP OR LANDING PLATFORM HAS A VERTICAL DROP OF 6" OR GREATER OR HAS A SIDE APRON SLOPE STEEPER THAN 1:3 (33%). PROTECTIVE EDGING SHOULD BE CONSIDERED WHEN CURB RAMPS OR LANDING PLATFORMS HAVE A VERTICAL DROP OF 3" OR MORE.
3. DETECTABLE EDGING WITH 6" MIN. HEIGHT AND CONTRASTING COLOR SHALL BE INSTALLED ON ALL CURB RAMP LANDINGS WHERE THE WALKWAY CHANGES DIRECTION (TURNS).
4. DO NOT RESTRICT WATER FLOW IN THE GUTTER SYSTEM.
5. ENSURE CURB RAMP IS OUT OF THE GUTTER PAN.
6. IF ONLY PART OF THE END PANEL OF TEMPORARY PEDESTRIAN BARRICADE PANEL IS NEEDED, EXTEND EXCESS PORTION OF TEMPORARY PEDESTRIAN BARRICADE PANEL HERE.
7. LANDING TO BE SLOPED A MAXIMUM OF 2.1% IN ALL DIRECTIONS OF PEDESTRIAN TRAVEL.



FRONT VIEW



SIDE VIEW

TEMPORARY CURB RAMP PARALLEL TO CURB

6

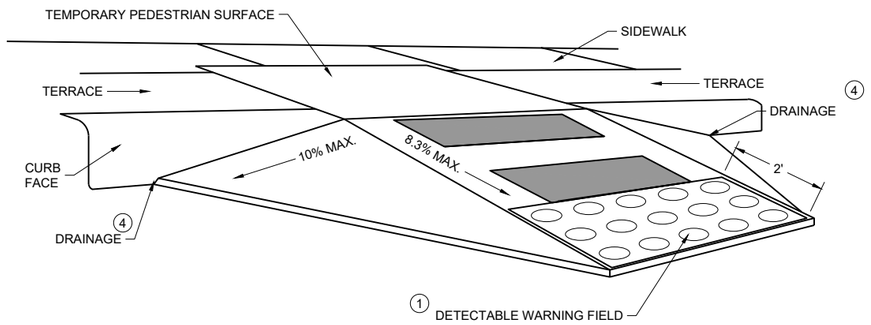
SDD 15D30-12b

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

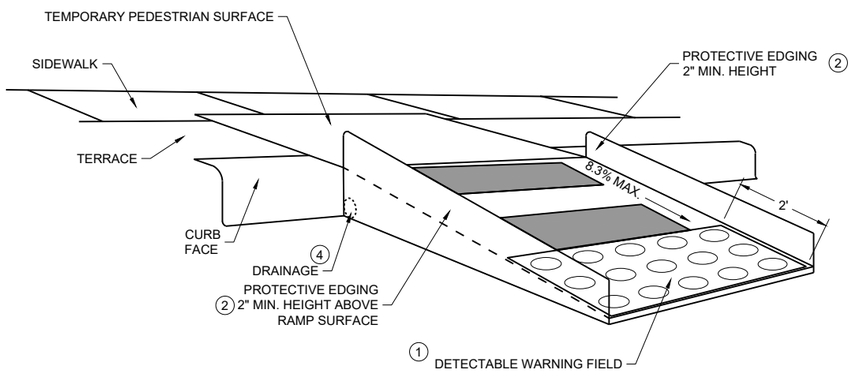
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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SDD 15D30-12b



WITH SIDE APRON (5)



WITH PROTECTIVE EDGE

TEMPORARY CURB RAMP PERPENDICULAR TO CURB

GENERAL NOTES

CURB RAMPS SHALL BE 48" MINIMUM WIDTH WITH A FIRM, STABLE AND SLIP RESISTANT SURFACE.

ALTERNATE SIDEWALK WORK BETWEEN LEFT AND RIGHT SIDE OF ROADWAY TO MAINTAIN PEDESTRIAN ACCESS.

CURB RAMPS AND LANDINGS SHALL HAVE A 1:48 (2.1%) MAX. CROSS-SLOPE.

CLEAR SPACE OF 48" X 48" SHALL BE PROVIDED ABOVE AND BELOW THE CURB RAMP.

LATERAL JOINTS OR GAPS BETWEEN SURFACES SHALL BE LESS THAN ½" WIDTH.

CHANGES BETWEEN SURFACE HEIGHTS SHALL NOT EXCEED ½". LATERAL EDGES MAY BE VERTICAL UP TO ¼" HIGH AND SHALL BE BEVELED AT 1:2 BETWEEN ¼" AND ½".

(1) INSTALL CONTRASTING TEMPORARY DETECTABLE WARNING FIELD AT PEDESTRIAN STREET CROSSINGS, AS SHOWN IN THE PLANS

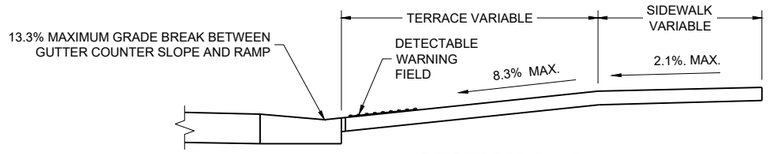
(2) PROTECTIVE EDGING WITH A 2" MIN. HEIGHT SHALL BE INSTALLED WHEN A CURB RAMP OR LANDING PLATFORM HAS A VERTICAL DROP OF 6" OR GREATER OR HAS A SIDE APRON SLOPE STEEPER THAN 1:3 (33%). PROTECTIVE EDGING SHOULD BE CONSIDERED WHEN CURB RAMPS OR LANDING PLATFORMS HAVE A VERTICAL DROP OF 3" OR MORE.

(3) DETECTABLE EDGING WITH 6" MIN. HEIGHT AND CONTRASTING COLOR SHALL BE INSTALLED ON ALL CURB RAMP LANDINGS WHERE THE WALKWAY CHANGES DIRECTION (TURNS).

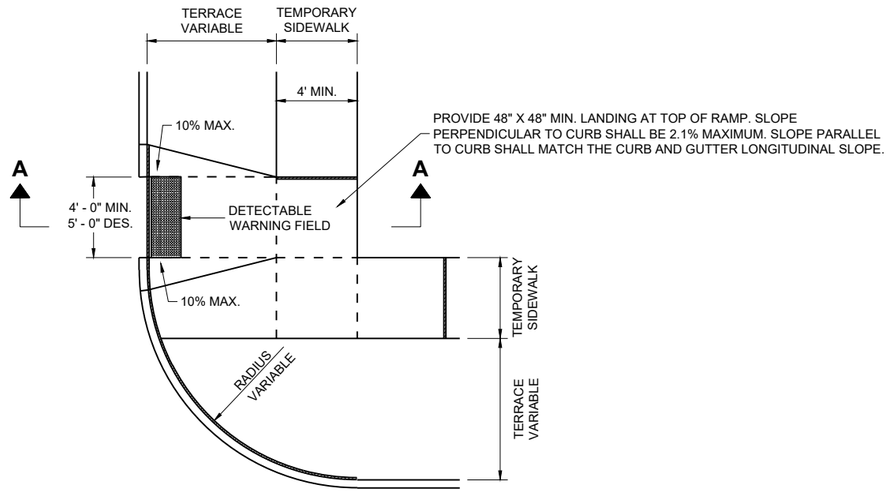
(4) DO NOT RESTRICT WATER FLOW IN THE GUTTER SYSTEM.

(5) CAN ONLY BE USED FOR RAMPS WITH 6" OR LESS OF VERTICAL CHANGE.

GENERAL NOTES



SECTION A - A



PLAN VIEW
TEMPORARY TYPE 3 RAMP
(OUTSIDE OF CROSSWALK AREA)

6

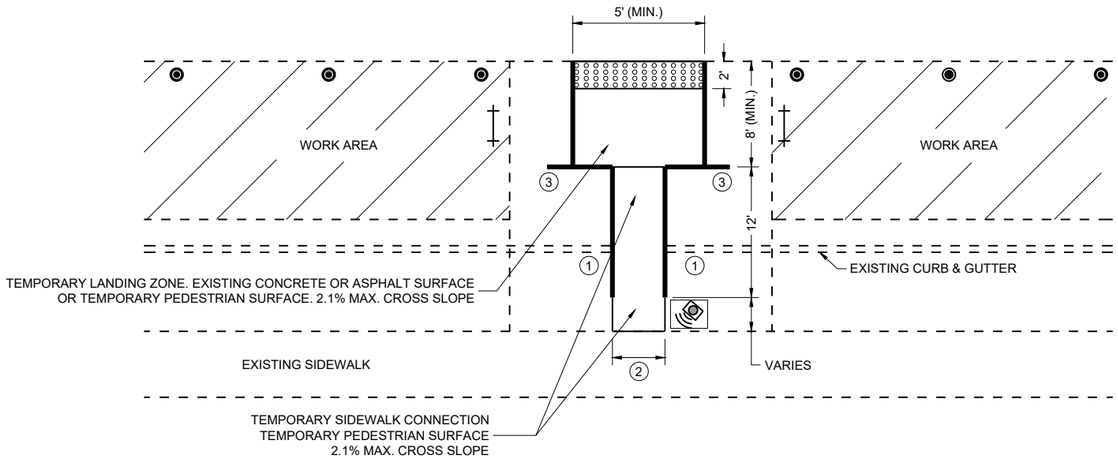
SDD 15D30-12d

TRAFFIC CONTROL,
PEDESTRIAN ACCOMMODATION

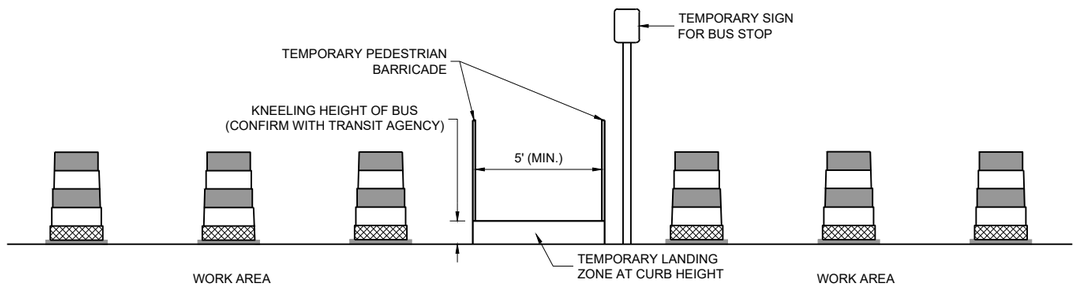
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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SDD 15D30-12d



PLAN VIEW



PROFILE VIEW TEMPORARY BUS STOP PAD

GENERAL NOTES

TYPICAL TEMPORARY PEDESTRIAN BARRICADE PANEL IS 6 FEET LONG.

NOTIFY THE BUS COMPANY 7 DAYS IN ADVANCE OF THE BUS STOP RELOCATION.

PROTECTIVE EDGING WITH A 2" MIN. HEIGHT SHALL BE INSTALLED WHEN A CURB RAMP OR LANDING PLATFORM HAS A VERTICAL DROP OF 6" OR GREATER OR HAS A SIDE APRON SLOPE STEEPER THAN 1:3 (33%). PROTECTIVE EDGING SHOULD BE CONSIDERED WHEN CURB RAMPS OR LANDING PLATFORMS HAVE A VERTICAL DROP OF 3" OR MORE.

DETECTABLE EDGING WITH 6" MIN. HEIGHT AND CONTRASTING COLOR SHALL BE INSTALLED ON ALL CURB RAMP LANDINGS WHERE THE WALKWAY CHANGES DIRECTION (TURNS).

LATERAL JOINTS OR GAPS BETWEEN SURFACES SHALL BE LESS THAN ½" WIDTH.

CHANGES BETWEEN SURFACE HEIGHTS SHALL NOT EXCEED ½". LATERAL EDGES MAY BE VERTICAL UP TO ¼" HIGH AND SHALL BE BEVELED AT 1:2 BETWEEN ¼" AND ½".

CURB RAMPS AND LANDINGS SHALL HAVE A 1:48 (2.1%) MAX. CROSS-SLOPE.

(1) DO NOT RESTRICT WATER FLOW IN THE GUTTER SYSTEM.

(2) 5' WIDE MIN. WITH TEMPORARY PEDESTRIAN BARRICADE, 10' WIDE MIN. WITHOUT TEMPORARY PEDESTRIAN BARRICADE.

(3) PLACE EXCESS PORTION OF TEMPORARY PEDESTRIAN BARRICADE INTO THIS SPACE.

LEGEND

- TRAFFIC CONTROL DRUM
- TYPE III BARRICADE
- TEMPORARY PEDESTRIAN BARRICADE
- TEMPORARY DETECTABLE WARNING FIELD
- WORK AREA
- TEMPORARY AUDIBLE MESSAGE DEVICE (EXACT PLACEMENT BASED UPON FIELD CONDITIONS)

6

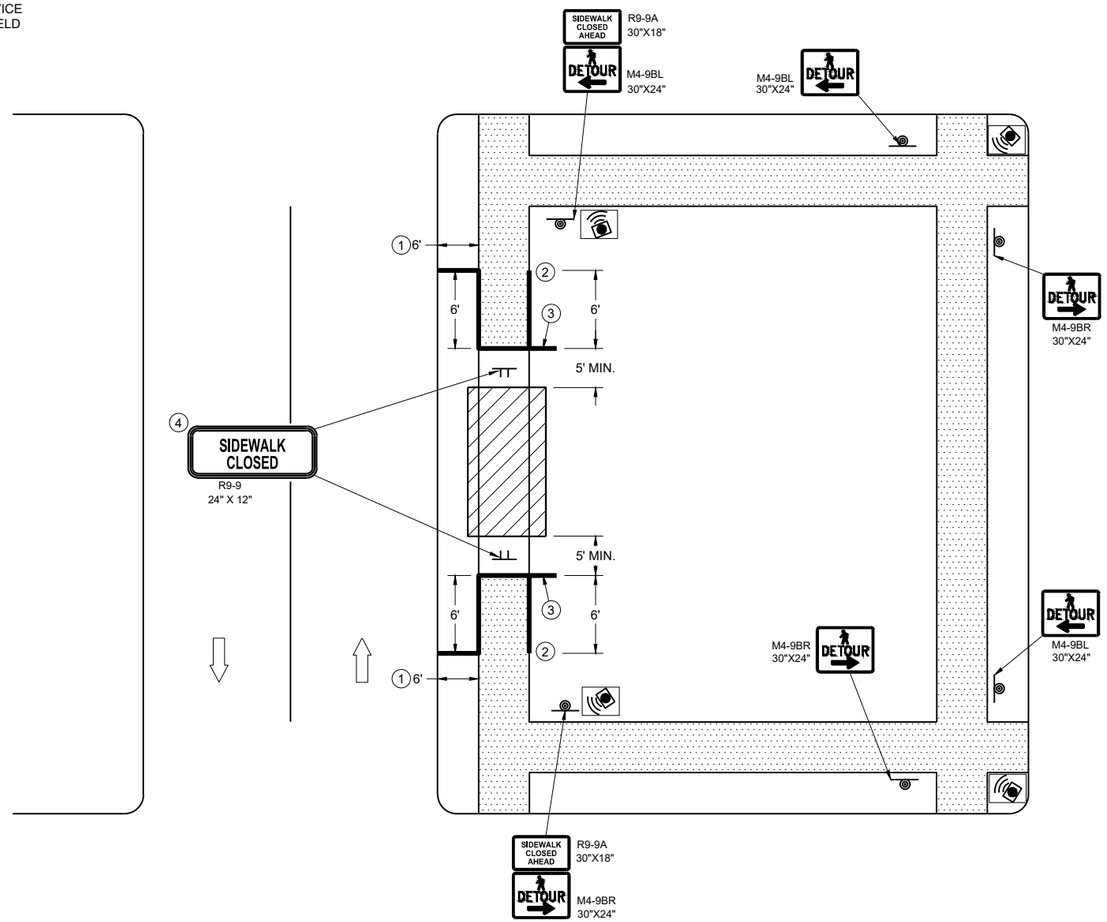
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TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

LEGEND

- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- UNDER PEDESTRIAN TRAFFIC
- WORK AREA
- TEMPORARY PEDESTRIAN BARRICADE
- DIRECTION OF TRAFFIC
- TEMPORARY AUDIBLE MESSAGE DEVICE (EXACT PLACEMENT BASED UPON FIELD CONDITIONS)



SIDEWALK DETOUR, SIDEWALK ONLY ON ONE SIDE

GENERAL NOTES

WHERE TEMPORARY BARRICADE RUNS PARALLEL ALONG SIDEWALK, PLACE THE FACE OF THE BARRICADE AT THE EDGE OF THE SIDEWALK.

SIGNS THAT REMAIN IN PLACE LESS THAN SEVEN CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

PLACE TEMPORARY PEDESTRIAN BARRICADE TO FIT FIELD CONDITIONS, AVOIDING CONFLICTS WITH DRIVEWAYS AND OTHER EXISTING FEATURES.

1. IF TERRACE IS LESS THAN 6 FEET WIDE, OMIT TEMPORARY PEDESTRIAN BARRICADE FROM THE SIDEWALK TO THE CURB.
2. PLACE BARRICADE CLOSURE SO THAT THE TEMPORARY PEDESTRIAN BARRICADE END IS AT THE LAST OPEN SIDEWALK ACCESS TO RESIDENCES OR BUSINESSES BEFORE THE SIDEWALK CLOSURE.
3. IF TEMPORARY PEDESTRIAN BARRICADE PANEL IS WIDER THAN THE SIDEWALK WIDTH, THE PORTION OF EXCESS PANEL SHOULD EXTEND INTO THE TERRACE.
4. MOUNTING HEIGHT OF 5 FEET FROM THE SURFACE TO THE BOTTOM OF SIGN.

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 15D30-12f

LEGEND

- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- UNDER PEDESTRIAN TRAFFIC
- TEMPORARY PEDESTRIAN SURFACE
- TEMPORARY PEDESTRIAN BARRICADE
- OPTIONAL TEMPORARY PEDESTRIAN BARRICADE
- DIRECTION OF TRAFFIC

GENERAL NOTES

TYPICAL TEMPORARY PEDESTRIAN BARRICADE PANEL IS 6 FEET LONG.

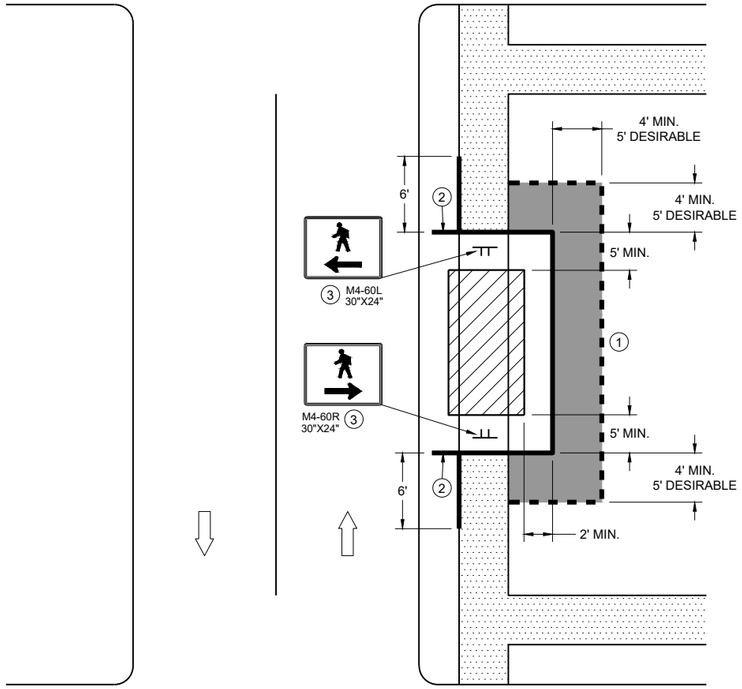
WHERE TEMPORARY BARRICADE RUNS PARALLEL ALONG SIDEWALK, PLACE THE FACE OF THE BARRICADE AT THE EDGE OF THE SIDEWALK.

SIGNS THAT REMAIN IN PLACE LESS THAN SEVEN CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

(1) USE TEMPORARY PEDESTRIAN BARRICADE TO SEPARATE PEDESTRIANS FROM DROP OFFS OR FOR ADDITIONAL PEDESTRIAN CHANNELIZATION.

(2) IF TEMPORARY PEDESTRIAN BARRICADE PANEL IS WIDER THAN THE SIDEWALK WIDTH, THE PORTION OF EXCESS PANEL SHOULD EXTEND INTO THE TERRACE.

(3) MOUNTING HEIGHT OF 5 FEET FROM THE SURFACE TO THE BOTTOM OF SIGN.



SIDEWALK BYPASS
SINGLE SIDE

6

SDD 15D30-12g

6

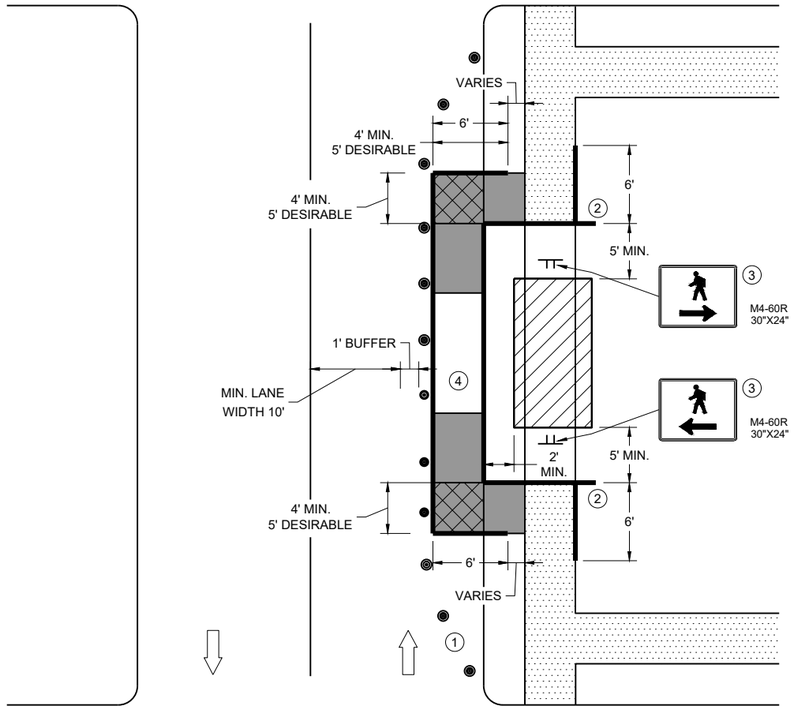
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TRAFFIC CONTROL,
PEDESTRIAN ACCOMMODATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

LEGEND

- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL DRUM
- WORK AREA
- UNDER PEDESTRIAN TRAFFIC
- TEMPORARY CURB RAMP
- TEMPORARY PEDESTRIAN SURFACE "A"
- TEMPORARY PEDESTRIAN SURFACE "B"
- TEMPORARY PEDESTRIAN BARRICADE
- DIRECTION OF TRAFFIC



SIDEWALK BYPASS, SINGLE SIDE

GENERAL NOTES

TYPICAL TEMPORARY PEDESTRIAN BARRICADE PANEL IS 6 FEET LONG.

WHERE TEMPORARY BARRICADE RUNS PARALLEL ALONG SIDEWALK, PLACE THE FACE OF THE BARRICADE AT THE EDGE OF THE SIDEWALK.

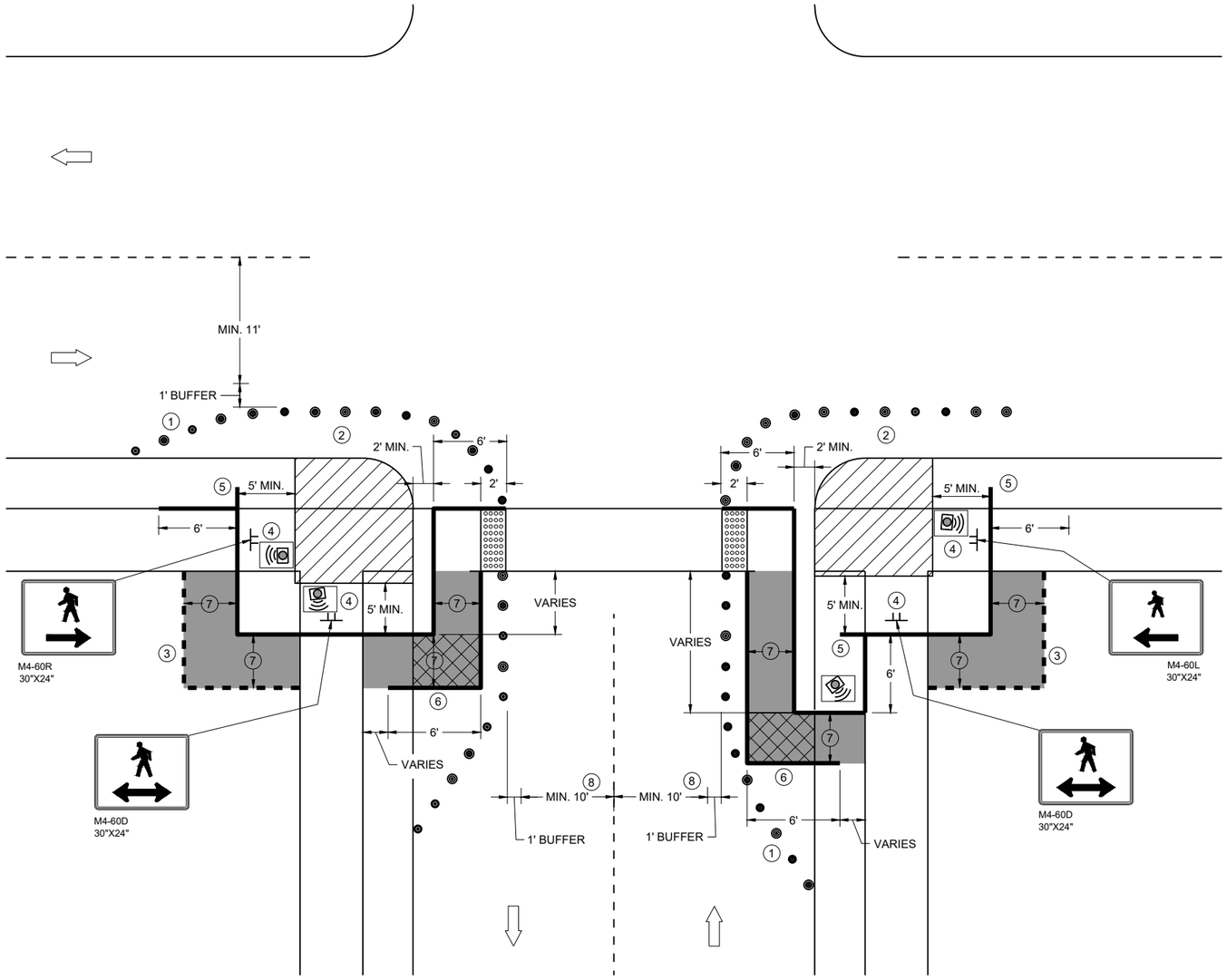
1. SHOULDER OR LANE CLOSURE ADVANCE WARNING AND BUFFER SPACE REQUIRED.
2. PLACE EXCESS PORTION OF TEMPORARY PEDESTRIAN BARRICADE PANEL PAST THE SIDEWALK ON THE SIDE AWAY FROM THE ROAD.
3. MOUNTING HEIGHT OF 5 FEET FROM THE SURFACE TO THE BOTTOM OF SIGN.
4. USE EXISTING PAVEMENT SURFACE. IF EXISTING PAVEMENT SURFACE HAS BEEN REMOVED, USE A TEMPORARY PEDESTRIAN SURFACE. WHEN THE TEMPORARY PEDESTRIAN ACCESS ROUTE RUNS PARALLEL ON THE ROADWAY SURFACE, THE MAXIMUM CROSS SLOPE WILL MATCH THE EXISTING ROADWAY CROSS SLOPE.

6

SDD 15D30-12h

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



CURB RAMP PEDESTRIAN TRAFFIC CONTROL
SIDEWALK ON SINGLE SIDE

GENERAL NOTES

IF PEDESTRIAN PUSH BUTTONS ARE PRESENT ON THE EXISTING FACILITY, ENSURE THEY ARE MAINTAINED/ACCESSIBLE FOR PEDESTRIAN USE THROUGHOUT THE TEMPORARY PEDESTRIAN ACCOMMODATIONS.

TYPICAL TEMPORARY PEDESTRIAN BARRICADE PANEL IS 6 FEET LONG

WHEN TEMPORARY PEDESTRIAN BARRICADE RUNS PARALLEL ALONG THE SIDEWALK, PLACE THE FACE OF THE BARRICADE AT THE EDGE OF THE SIDEWALK.

WHEN THE TEMPORARY PEDESTRIAN ACCESS ROUTE RUNS PARALLEL ON THE ROADWAY SURFACE, THE MAXIMUM CROSS SLOPE WILL MATCH THE EXISTING ROADWAY CROSS SLOPE.

1. SHOULDER OR LANE CLOSURE ADVANCE WARNING AND PROPER BUFFER SPACE REQUIRED.
2. PROVIDE ADEQUATE SPACE FOR CONTRACTOR OPERATIONS
3. USE TEMPORARY PEDESTRIAN BARRICADE TO SEPARATE PEDESTRIANS FROM DROP OFFS OR FOR ADDITIONAL PEDESTRIAN CHANNELIZATION.
4. MOUNTING HEIGHT OF 5 FEET FROM SIDEWALK SURFACE TO BOTTOM OF SIGN.
5. PLACE EXCESS PORTION OF TEMPORARY PEDESTRIAN BARRICADE PANEL IN THE SIDEWALK TERRACE.
6. IF TEMPORARY PEDESTRIAN BARRICADE DOES NOT REACH THE FACE OF THE CURB, USE AN ADDITIONAL PANEL AND EXTEND INTO THE TERRACE.
7. 4 FEET MINIMUM, 5 FEET DESIRABLE
8. IF MINIMUM LANE WIDTHS CAN'T BE ATTAINED, CURB RAMPS MAY NEED TO BE CONSTRUCTED AT SEPARATE TIMES.

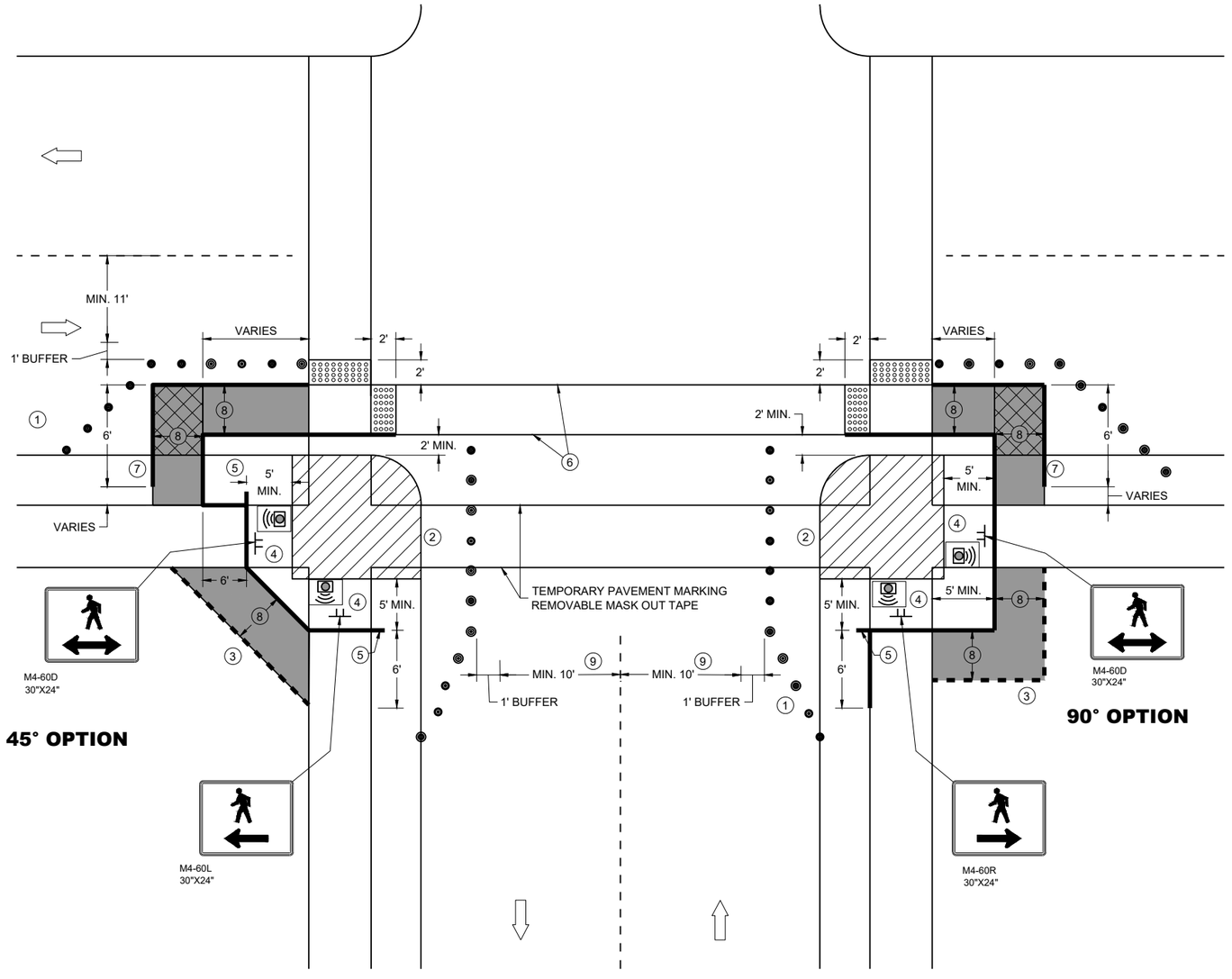
LEGEND

- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL DRUM
- WORK AREA
- TEMPORARY CURB RAMP
- TEMPORARY PEDESTRIAN SURFACE "A"
- TEMPORARY PEDESTRIAN SURFACE "B"
- TEMPORARY DETECTABLE WARNING FIELD
- TEMPORARY PEDESTRIAN BARRICADE
- OPTIONAL TEMPORARY PEDESTRIAN BARRICADE
- DIRECTION OF TRAFFIC
- TEMPORARY AUDIBLE MESSAGE DEVICE (EXACT PLACEMENT BASED UPON FIELD CONDITIONS)

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6
SDD 15D30-12i



CURB RAMP PEDESTRIAN TRAFFIC CONTROL

GENERAL NOTES

IF PEDESTRIAN PUSH BUTTONS ARE PRESENT ON THE EXISTING FACILITY, ENSURE THEY ARE MAINTAINED/ACCESSIBLE FOR PEDESTRIAN USE THROUGHOUT THE TEMPORARY PEDESTRIAN ACCOMMODATIONS.

TYPICAL TEMPORARY PEDESTRIAN BARRICADE PANEL IS 6 FEET LONG

WHEN TEMPORARY PEDESTRIAN BARRICADE RUNS PARALLEL ALONG THE SIDEWALK, PLACE THE FACE OF THE BARRICADE AT THE EDGE OF THE SIDEWALK.

WHEN THE TEMPORARY PEDESTRIAN ACCESS ROUTE RUNS PARALLEL ON THE ROADWAY SURFACE, THE MAXIMUM CROSS SLOPE WILL MATCH THE EXISTING ROADWAY CROSS SLOPE.

(1) SHOULDER OR LANE CLOSURE ADVANCE WARNING AND PROPER BUFFER SPACE REQUIRED.

(2) PROVIDE ADEQUATE SPACE FOR CONTRACTOR OPERATIONS

(3) USE TEMPORARY PEDESTRIAN BARRICADE TO SEPARATE PEDESTRIANS FROM DROP OFFS OR FOR ADDITIONAL PEDESTRIAN CHANNELIZATION.

(4) MOUNTING HEIGHT OF 5 FEET FROM SIDEWALK SURFACE TO BOTTOM OF SIGN.

(5) PLACE EXCESS PORTION OF TEMPORARY PEDESTRIAN BARRICADE PANEL IN THE SIDEWALK TERRACE.

(6) WHITE 6" TEMPORARY PAVEMENT MARKING

(7) IF TEMPORARY PEDESTRIAN BARRICADE DOES NOT REACH THE FACE OF THE CURB, USE AN ADDITIONAL PANEL AND EXTEND INTO THE TERRACE.

(8) 4 FEET MINIMUM, 5 FEET DESIRABLE

(9) IF MINIMUM LANE WIDTHS CAN'T BE ATTAINED, CURB RAMPS MAY NEED TO BE CONSTRUCTED AT SEPARATE TIMES.

LEGEND

- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL DRUM
- WORK AREA
- TEMPORARY CURB RAMP
- TEMPORARY PEDESTRIAN SURFACE "A"
- TEMPORARY PEDESTRIAN SURFACE "B"
- TEMPORARY DETECTABLE WARNING FIELD
- TEMPORARY PEDESTRIAN BARRICADE
- OPTIONAL TEMPORARY PEDESTRIAN BARRICADE
- DIRECTION OF TRAFFIC
- TEMPORARY AUDIBLE MESSAGE DEVICE (EXACT PLACEMENT BASED UPON FIELD CONDITIONS)

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 15D30-12j

LEGEND

SIGN ON PERMANENT SUPPORT

SIGN ON TEMPORARY SUPPORT

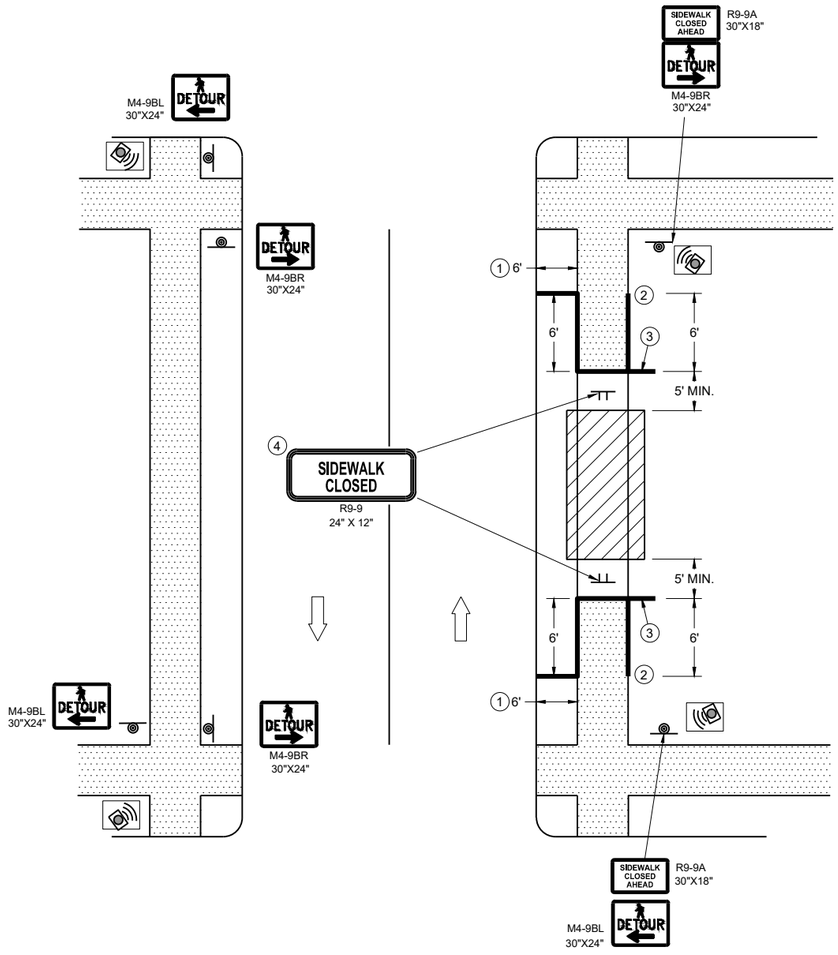
UNDER PEDESTRIAN TRAFFIC

WORK AREA

TEMPORARY PEDESTRIAN BARRICADE

DIRECTION OF TRAFFIC

TEMPORARY AUDIBLE MESSAGE DEVICE (EXACT PLACEMENT BASED UPON FIELD CONDITIONS)



SIDEWALK DETOUR, SIDEWALK ON BOTH SIDES

GENERAL NOTES

WHERE TEMPORARY BARRICADE RUNS PARALLEL ALONG SIDEWALK, PLACE THE FACE OF THE BARRICADE AT THE EDGE OF THE SIDEWALK.

SIGNS THAT REMAIN IN PLACE LESS THAN SEVEN CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

PLACE TEMPORARY PEDESTRIAN BARRICADE TO FIT FIELD CONDITIONS, AVOIDING CONFLICT WITH DRIVEWAYS AND OTHER EXISTING FEATURES.

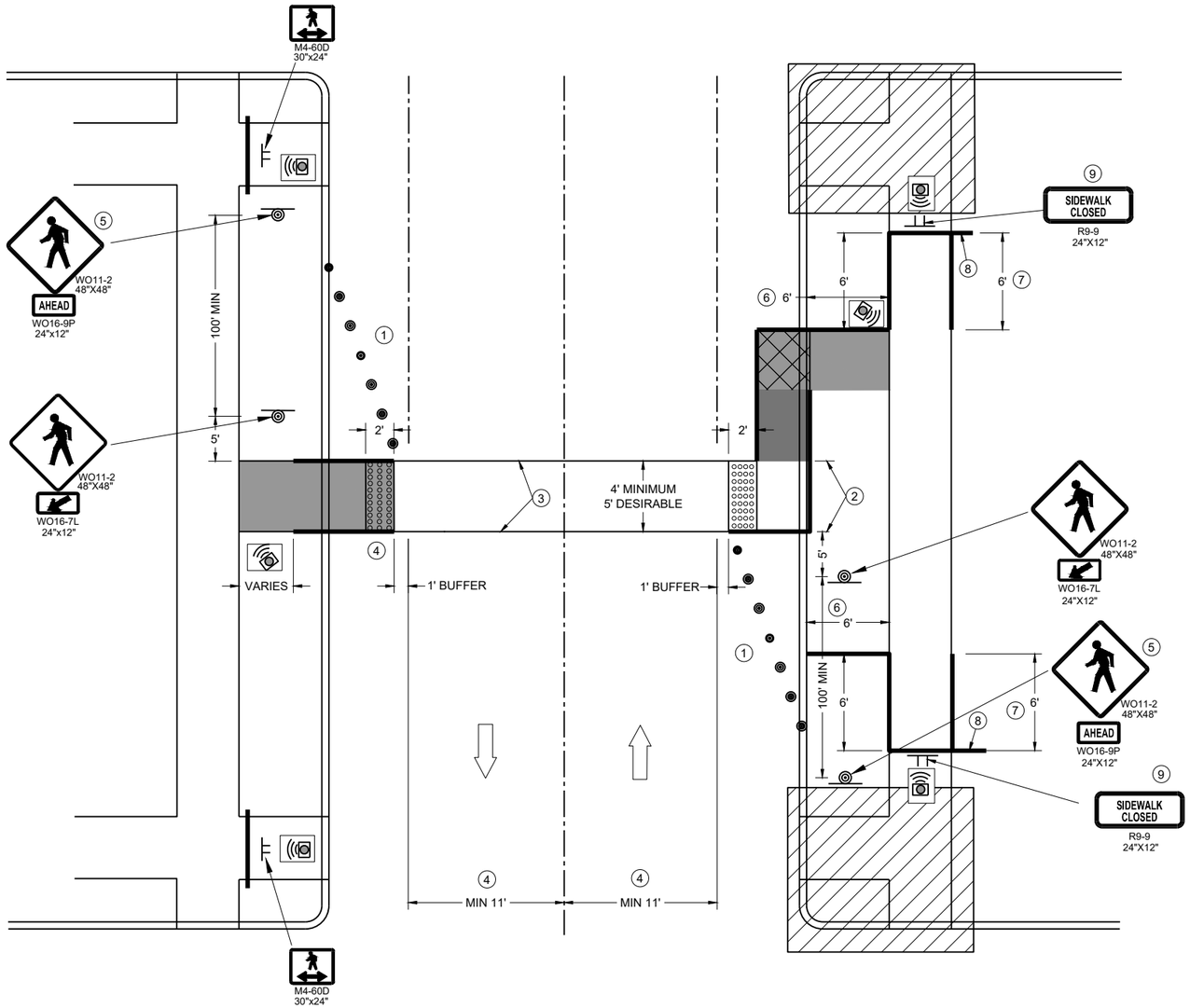
1. IF TERRACE IS LESS THAN 6 FEET WIDE, OMIT TEMPORARY PEDESTRIAN BARRICADE FROM THE SIDEWALK TO THE CURB.
2. PLACE BARRICADE CLOSURE SO THAT THE TEMPORARY PEDESTRIAN BARRICADE END IS AT THE LAST OPEN SIDEWALK ACCESS TO RESIDENCES OR BUSINESSES BEFORE THE SIDEWALK CLOSURE.
3. IF TEMPORARY PEDESTRIAN BARRICADE PANEL IS WIDER THAN THE SIDEWALK WIDTH, THE PORTION OF EXCESS PANEL SHOULD EXTEND INTO THE TERRACE.
4. MOUNTING HEIGHT OF 5 FEET FROM THE SURFACE TO THE BOTTOM OF SIGN.

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SDD 15D30-12k

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



TEMPORARY PEDESTRIAN CROSSING

GENERAL NOTES

TYPICAL TEMPORARY PEDESTRIAN BARRICADE PANEL IS 6 FEET LONG.

SEE OTHER PEDESTRIAN ACCOMMODATION DETAILS FOR SIGNING AND DEVICES FOR DIFFERENT PEDESTRIAN FACILITIES CLOSURES.

WHEN THE TEMPORARY PEDESTRIAN ACCESS ROUTE RUNS PARALLEL ON THE ROADWAY SURFACE, THE MAXIMUM CROSS SLOPE WILL MATCH THE EXISTING ROADWAY CROSS SLOPE.

1. SHOULDER OR LANE CLOSURE ADVANCED WARNING AND PROPER BUFFER SPACE REQUIRED.
2. 4 FEET MINIMUM, 5 FEET DESIRABLE.
3. WHITE 6" TEMPORARY PAVEMENT MARKING.
4. IF MINIMUM LANE WIDTHS CAN'T BE ATTAINED, PERPENDICULAR CURB RAMPS MAY NEED TO BE UTILIZED.
5. IF MINIMUM 100' SPACING FROM THE MID-BLOCK CROSSING CANNOT BE ATTAINED BEFORE THE INTERSECTION, REMOVE THIS SIGN ASSEMBLY.
6. IF TERRACE IS LESS THAN 6 FEET WIDE, OMIT TEMPORARY PEDESTRIAN BARRICADE FROM THE SIDEWALK TO THE CURB.
7. PLACE BARRICADE CLOSURE SO THAT THE TEMPORARY PEDESTRIAN BARRICADE END IS AT THE LAST OPEN SIDEWALK ACCESS TO RESIDENCES OR BUSINESSES BEFORE THE SIDEWALK CLOSURE.
8. IF TEMPORARY PEDESTRIAN BARRICADE PANEL IS WIDER THAN THE SIDEWALK WIDTH, THE PORTION OF THE EXCESS PANEL SHOULD EXTEND INTO THE TERRACE.
9. MOUNTING HEIGHT OF 5 FEET FROM THE SURFACE TO THE BOTTOM OF THE SIGN.

LEGEND

- TRAFFIC CONTROL DRUM
- SIGN ON TEMPORARY SUPPORT
- TEMPORARY CURB RAMP
- TEMPORARY DETECTABLE WARNING FIELD
- TEMPORARY PEDESTRIAN SURFACE "A"
- TEMPORARY PEDESTRIAN SURFACE "B"
- WORK AREA
- TEMPORARY PEDESTRIAN BARRICADE
- DIRECTION OF TRAFFIC
- TEMPORARY AUDIBLE MESSAGE DEVICE (EXACT PLACEMENT BASED UPON FIELD CONDITIONS)

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

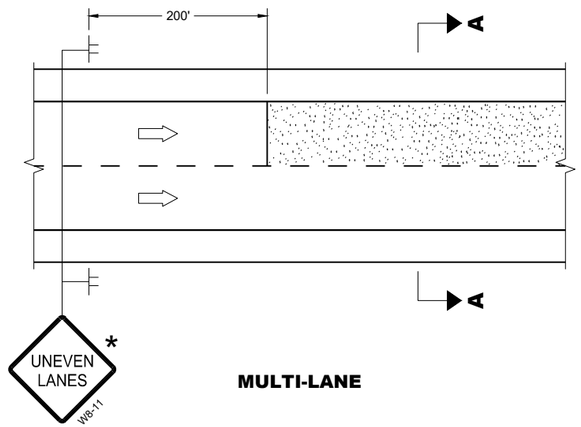
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2025 — DATE
/S/ Andrew Heidtke — WORK ZONE ENGINEER

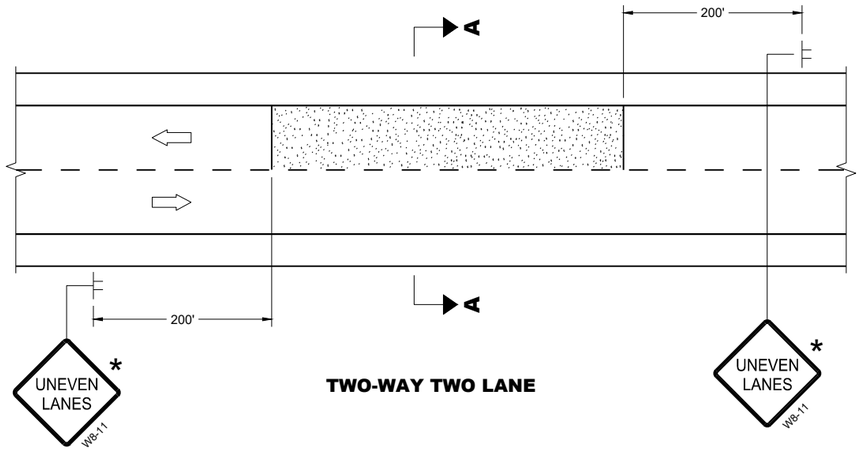
FHWA

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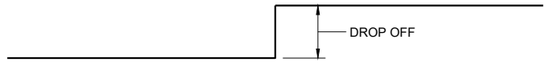
SDD 15D30-12I



MULTI-LANE

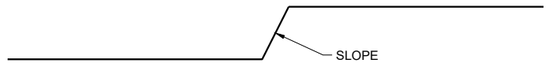


TWO-WAY TWO LANE

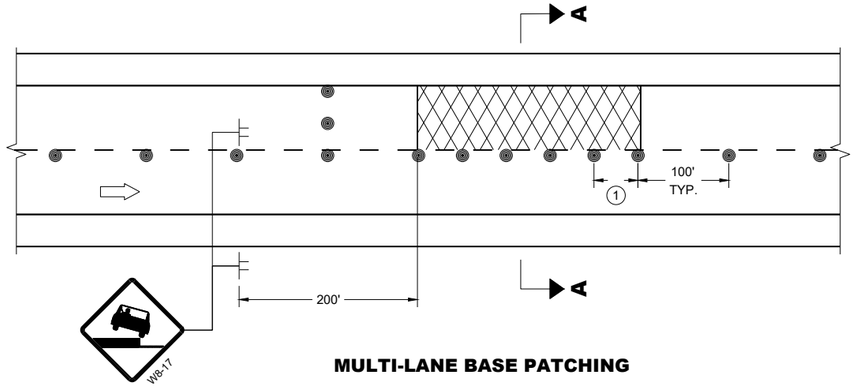


SECTION A - A

OR



SECTION A - A



MULTI-LANE BASE PATCHING

ADJACENT LANE DROP-OFFS

GENERAL NOTES

FOR SPOT LOCATIONS USE ENGINEERING JUDGEMENT WHEN PLACING ADDITIONAL SIGNS.

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.

"WO" SIGNS ARE THE SAME AS "W" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

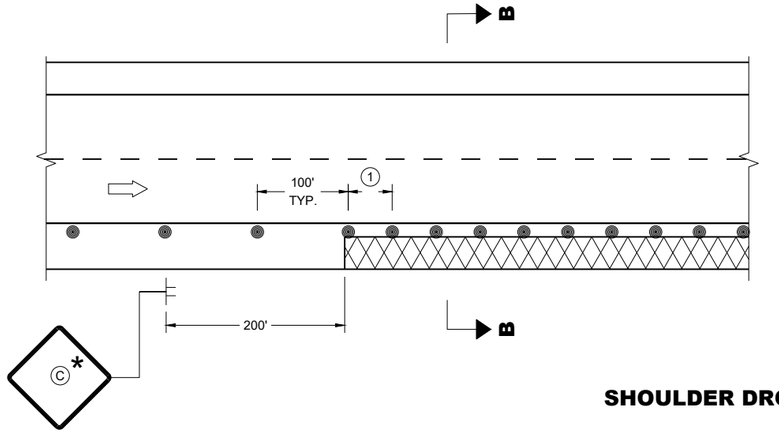
WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.

* IF THE DROP-OFF IS CONTINUOUS ALONG THE PROJECT, PLACE ADDITIONAL SIGNS EVERY 1 MILE AND AFTER EVERY ENTRANCE RAMP.

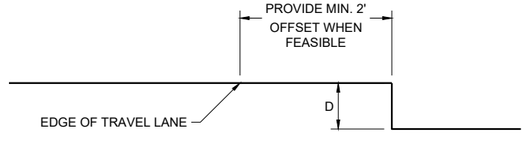
(1) USE CLOSER SPACING WHEN DELINEATING DROP-OFF.

LEGEND

- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL DRUM
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- DIRECTION OF TRAFFIC
- WORK AREA WITH DROP-OFF
- MILLED SURFACE



SHOULDER DROP-OFFS



SECTION B - B

D	SIGN (C)
< 2" WITH A SLOPE STEEPER THAN 3:1	LOW SHOULDER WO8-9
2" < 6" WITH A SLOPE STEEPER THAN 3:1	SHOULDER DROP - OFF W8-9A
	PROVIDE A 3:1 OR FLATTER SLOPE OF MATERIAL ADJACENT TO THE PAVEMENT

TRAFFIC CONTROL, DROP-OFF SIGNING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2025 — DATE
/S/ Andrew Heidtke — WORK ZONE ENGINEER

FHWA

6
SDD 15D39-03

GENERAL NOTES

DRAWING NOT TO SCALE. ALL SIGNS AND POSTS ON THIS SHEET SHALL BE PAID FOR WITH 'TRAFFIC CONTROL SIGNS' BID ITEM. ALL SIDE ROADS WHICH ARE UNDER CONSTRUCTION OF CURB AND GUTTER AND/OR GRADING SHALL BE ADEQUATELY SIGNED.

ALL SIGNS AND DEVICES SHALL BE IN CONFORMANCE WITH THE WISCONSIN MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (WMUTCD). SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE WISDOT STANDARD SIGN PLATES.

"WO" SIGNS ARE THE SAME AS "W" SIGNS EXCEPT THAT THE BACKGROUND IS ORANGE.

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.

THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS DIRECTED BY THE ENGINEER.

ALL SIGNS INAPPROPRIATE TO THE STATUS OF THE CONTROL ZONE, INCLUDING PRE-EXISTING SIGNS IN THE VICINITY, SHALL BE COVERED OR REMOVED AS DIRECTED BY THE ENGINEER.

SEE 15C34 FOR ADDITIONAL TRAFFIC CONTROL SIGNING WHEN CENTERLINE PAVEMENT MAKINGS ARE MISSING. 'DO NOT PASS' SIGNS MUST BE INSTALLED ON THE SAME DAY AS MILLING OPERATIONS.

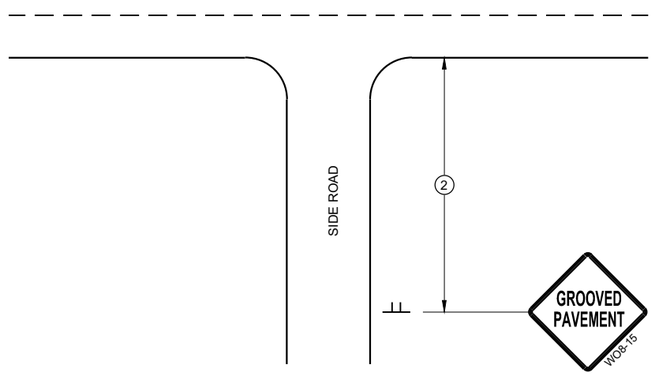
(1) PLACE SIGNS 350' IN ADVANCE OF MILLED SURFACES AND AT 1 MILE INTERVALS, OR AS DIRECTED BY THE ENGINEER.

(2) PLACE SIGN 200' MIN. FROM INTERSECTION AND 200' MIN. AFTER ADVANCE WARNING SIGN SHOWN IN SDD 15C04.

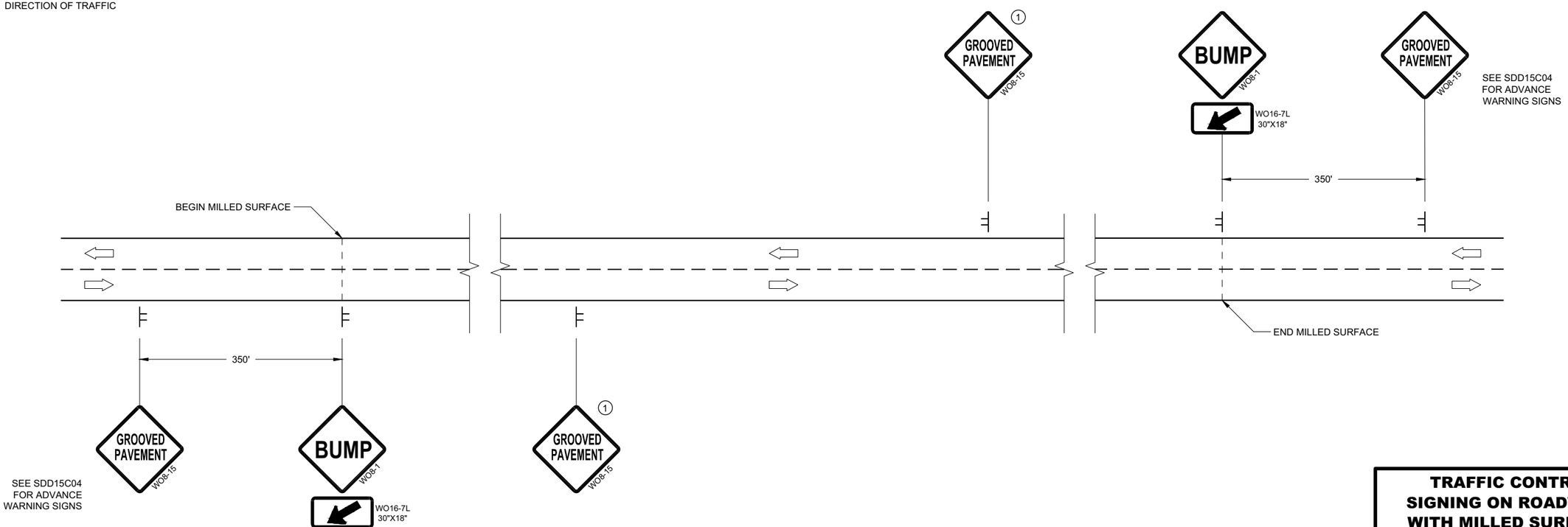
LEGEND

SIGN ON TEMPORARY SUPPORT

DIRECTION OF TRAFFIC



TYPICAL SIDE ROAD APPROACH SIGN DETAIL



DETAIL FOR SIGNING ON MILLED SURFACES

TRAFFIC CONTROL, SIGNING ON ROADWAYS WITH MILLED SURFACES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2020
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEER

928

FHWA

6

SDD 15D44 - 02

GENERAL NOTES

DRAWING NOT TO SCALE. ALL SIGNS AND POSTS ON THIS SHEET SHALL BE PAID FOR WITH 'TRAFFIC CONTROL SIGNS' BID ITEM. ALL SIDE ROADS WHICH ARE UNDER CONSTRUCTION OF CURB AND GUTTER AND/OR GRADING SHALL BE ADEQUATELY SIGNED.

ALL SIGNS AND DEVICES SHALL BE IN CONFORMANCE WITH THE WISCONSIN MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (WMUTCD). SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE WISDOT STANDARD SIGN PLATES.

"WO" SIGNS ARE THE SAME AS "W" SIGNS EXCEPT THAT THE BACKGROUND IS ORANGE.

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.

THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS DIRECTED BY THE ENGINEER.

ALL SIGNS INAPPROPRIATE TO THE STATUS OF THE CONTROL ZONE, INCLUDING PRE-EXISTING SIGNS IN THE VICINITY, SHALL BE COVERED OR REMOVED AS DIRECTED BY THE ENGINEER.

SEE 15C34 FOR ADDITIONAL TRAFFIC CONTROL SIGNING WHEN CENTERLINE PAVEMENT MAKINGS ARE MISSING. 'DO NOT PASS' SIGNS MUST BE INSTALLED ON THE SAME DAY AS MILLING OPERATIONS.

(1) PLACE SIGNS 350' IN ADVANCE OF CHIP SEALED OR LOOSE GRAVEL SURFACES AND AT 1 MILE INTERVALS, OR AS DIRECTED BY THE ENGINEER.

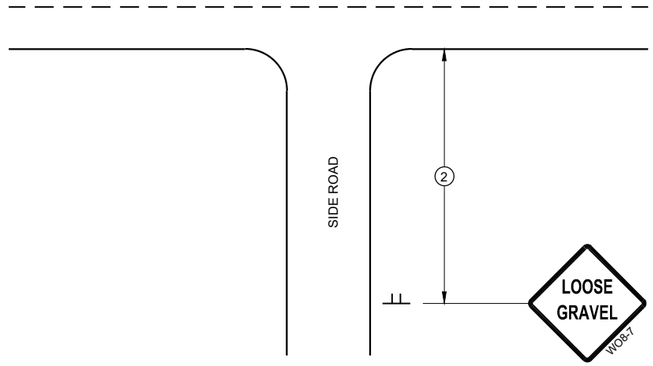
(2) PLACE SIGN 200' MIN. FROM INTERSECTION AND 200' MIN. AFTER ADVANCE WARNING SIGN SHOWN IN SDD 15C04.

(3) ADD WO8-1 OR WO8-2 SIGN WHEN THE CONDITION IS PRESENT.

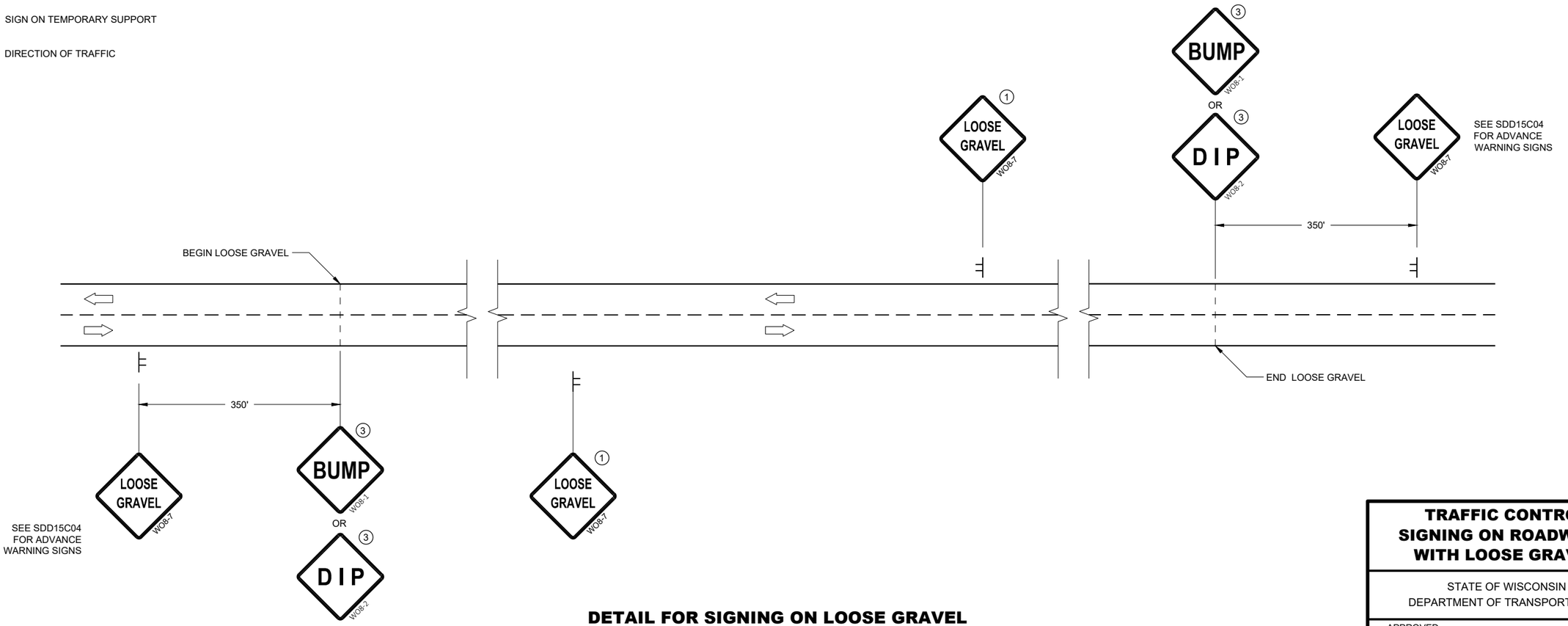
LEGEND

SIGN ON TEMPORARY SUPPORT

DIRECTION OF TRAFFIC



TYPICAL SIDE ROAD APPROACH SIGN DETAIL



DETAIL FOR SIGNING ON LOOSE GRAVEL OR CHIP SEALED SURFACES

TRAFFIC CONTROL SIGNING ON ROADWAYS WITH LOOSE GRAVEL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2021
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA

6

SDD 15D45 - 03

LEGEND

- TYPE III BARRICADE WITH ATTACHED SIGN
- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- TYPE "A" WARNING LIGHT (FLASHING)
- DIRECTION OF TRAFFIC
- WORK AREA

POSTED SPEED LIMIT PRIOR TO WORK STARTING (MPH)	ADVANCE WARNING SIGN SPACING (A) FEET	SHIFTING TAPER L/2 W, LATERAL OFFSET (FT)					
		3	4	5	6	7	8
25	200	10	14	17	21	24	28
30	200	15	20	25	30	35	40
35	350	20	27	34	40	47	54
40	350	26	35	44	53	62	70
45	500	45	59	74	89	104	119
50	500	50	66	83	99	116	132
55	500	54	73	91	109	127	145

GENERAL NOTES

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS IN URBAN AREAS, 36"x36" SIGNS MAY BE USED IF APPROVED BY THE REGIONAL TRAFFIC UNIT.

"WO" IS THE SAME AS "W" EXCEPT THE BACKGROUND IS ORANGE.

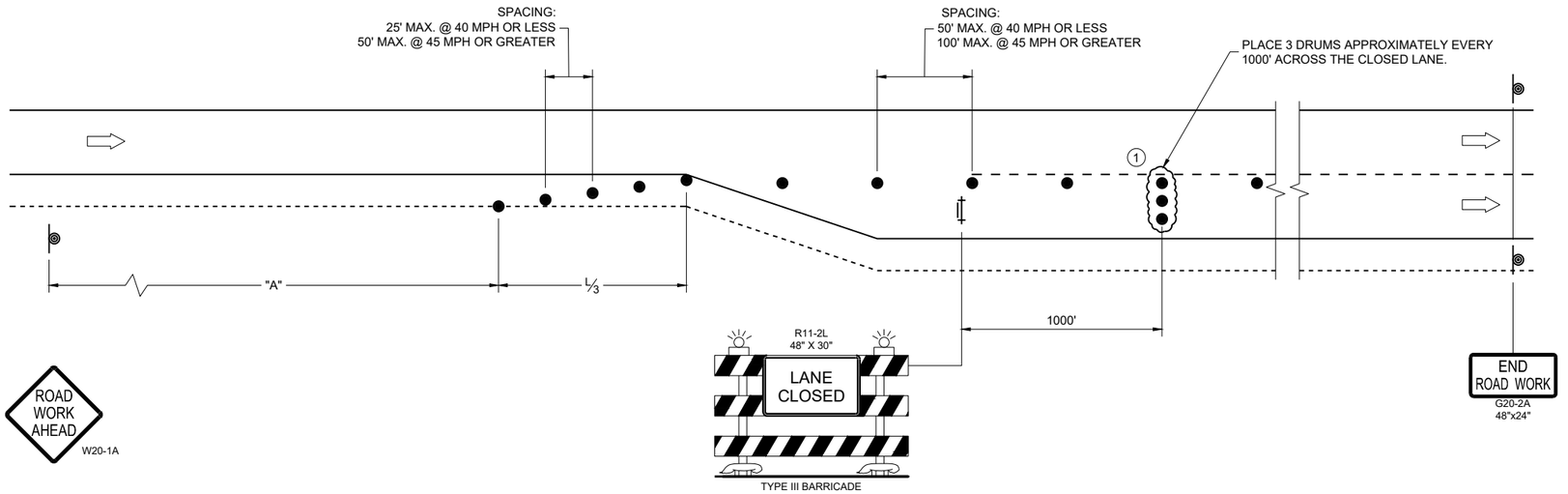
ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

CHANNELIZING DEVICES PLACED ADJACENT TO WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

W20-1 AND G20-2A SIGNS ARE NOT REQUIRED IF THE WORK AREA IS WITHIN A LARGER WORK ZONE WHERE THESE SIGNS ARE ALREADY PRESENT. G20-2A SIGNS MAY ALSO BE OMITTED IF DURATION WORK IS LESS THAN SEVEN CONTINUOUS DAYS AND NIGHTS.

(1) DRUMS IN A CLOSED LANE THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY REESTABLISHED UPON COMPLETION OF THE OPERATION, OR FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.



TRAFFIC CONTROL
ADDED LANE CLOSURE
WITHOUT LANE SHIFT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2025 — DATE
/S/ Andrew Heidtke — WORK ZONE ENGINEER

FHWA

6

SDD 15D50-04a

LEGEND

- TYPE III BARRICADE WITH ATTACHED SIGN
- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- TYPE "A" WARNING LIGHT (FLASHING)
- DIRECTION OF TRAFFIC
- WORK AREA

POSTED SPEED LIMIT PRIOR TO WORK STARTING (MPH)	ADVANCE WARNING SIGN SPACING (A) FEET	SHIFTING TAPER (L/2) FEET
25	200	60
30	200	90
35	350	120
40	350	160
45	500	270
50	500	300
55	500	330

GENERAL NOTES

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS IN URBAN AREAS, 36"x36" SIGNS MAY BE USED IF APPROVED BY THE REGIONAL TRAFFIC UNIT.

"WO" IS THE SAME AS "W" EXCEPT THE BACKGROUND IS ORANGE.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

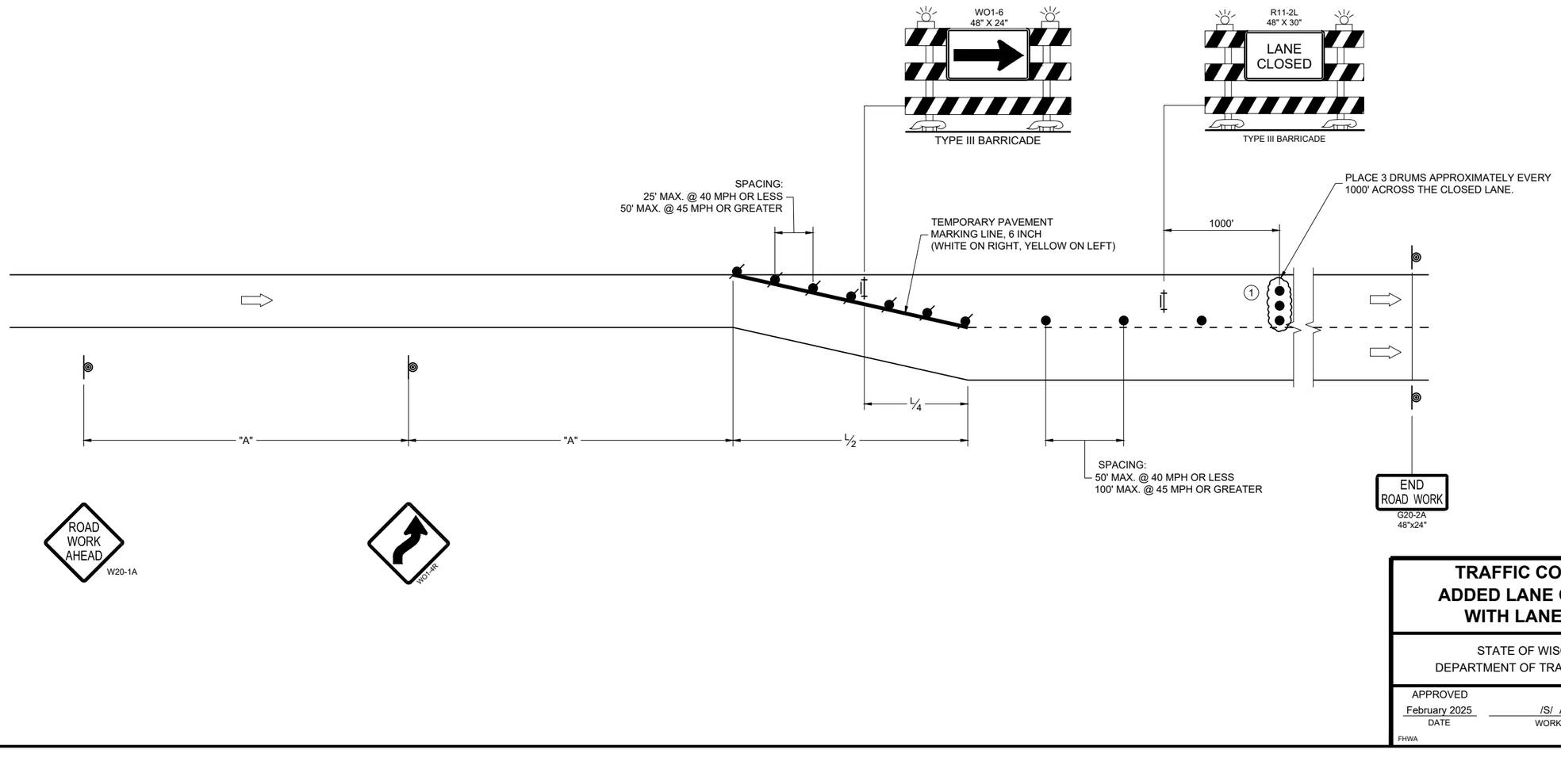
CHANNELIZING DEVICES PLACED ADJACENT TO WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

SIGNS THAT WILL BE IN PLACE LESS THAN SEVEN CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

W20-1 AND G20-2A SIGNS ARE NOT REQUIRED IF THE WORK AREA IS WITHIN A LARGER WORK ZONE WHERE THESE SIGNS ARE ALREADY PRESENT. G20-2A SIGNS MAY ALSO BE OMITTED IF DURATION WORK IS LESS THAN SEVEN CONTINUOUS DAYS AND NIGHTS.

PLACE TEMPORARY PAVEMENT MARKING AND PLACE TEMPORARY PAVEMENT LINE IF LANE CLOSURE IS TO BE IN PLACE FOR 4 OR MORE CONTINUOUS DAYS AND NIGHTS.

(1) DRUMS IN A CLOSED LANE THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY REESTABLISHED UPON COMPLETION OF THE OPERATION, OR FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.



TRAFFIC CONTROL, ADDED LANE CLOSURE WITH LANE SHIFT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

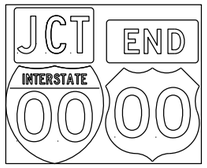
APPROVED
February 2025 — DATE
/S/ Andrew Heidtke — WORK ZONE ENGINEER
FHWA

6
SDD 15D50-04b

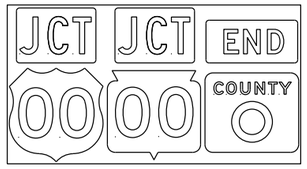
TYPICAL ASSEMBLIES



J1-1



J1-2



J1-3



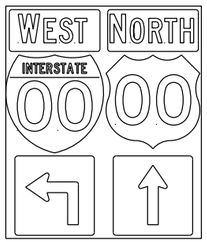
JR1-1



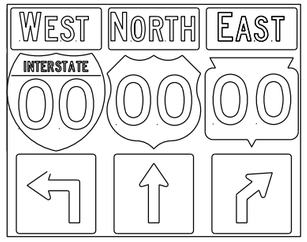
JV
(Typical Vertical J-Assembly
See Note 10 and 11)



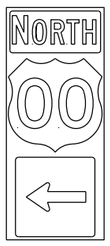
J2-1



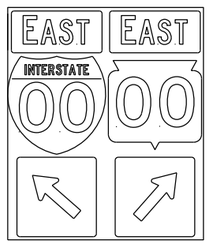
J2-2



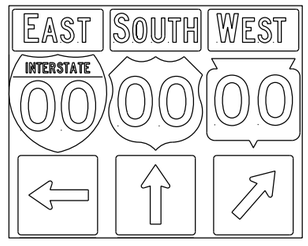
J2-3



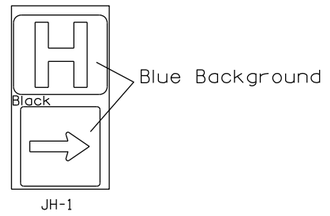
J3-1



J3-2



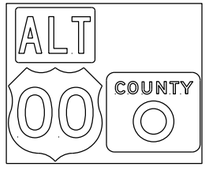
J3-3



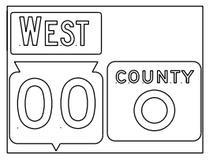
JH-1



J4-1



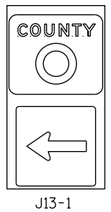
J4-2



J4-2



J12-1



J13-1



J32-1



J33-1



J22-1



J23-1



JR13-1

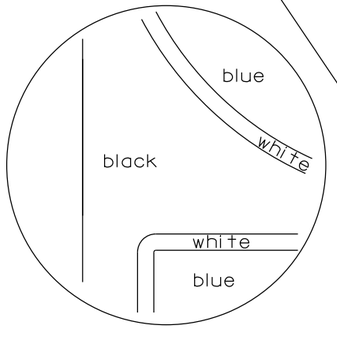


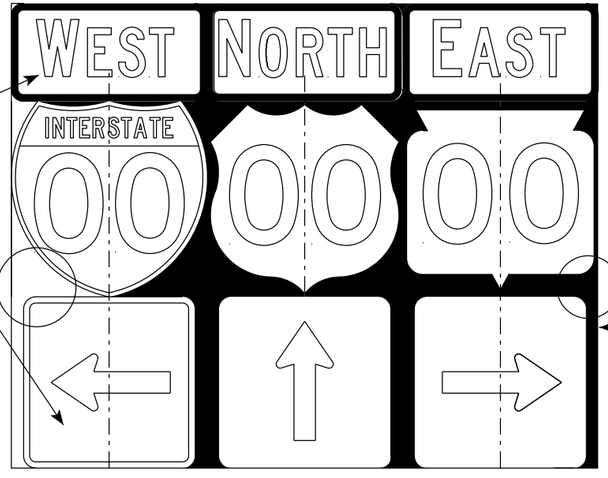
JR23-1

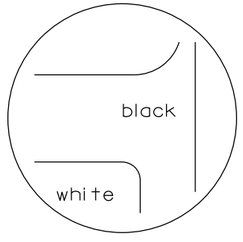


JR99-1

[blue background with interstate]







[black background]

NOTES

1. Signs are Type II - Type H Reflective
2. Color:
   Background - Black Non-reflective
   Message - see Note 4
3. Message Series - See Note 4
4. The colors and message spacing on each marker shall be according to the applicable route marker panel specifications.
5. Certain marker heads require the component pieces to be the same color. As an example, all the components used with an M1-1 Interstate marker shall be blue.
6. Single panel j-assemblies shall only be used with route marker shields that are same size. If the route marker shields are different size use multiple piece component.
7. Route assemblies that have 24 inch route shields and have dimensions greater than 48 inches (both vertical and horizontal) shall have one horizontal splice between the arrows and route shields. Vertical splices shall not be used on route assemblies with a horizontal dimension of 144 inches or less. The contractor shall not use more than one vertical joint per sign and the joint shall be between route shields.
8. Route assemblies that have 36 inch shields and have dimensions greater than 48 inchs (both vertical and horizontal) shall have two horizontal splices. One horizontal splice shall be between the cardinal direction and route shields and the other horizontal splice shall be between the arrows and route shields. Vertical splices shall not be used on route assemblies with a horizontal dimension of 144 or less. The contractor shall not use more than one vertical joint per sign and the joint shall be between route shields.
9. All Vertical J Assemblies are given a Sign Code of JV
10. For JV Assemblies that have a mixture of Interstate and Non-Interstate shields, arrows and cardinals shall be white on blue.
11. For JV Assemblies that have a mixture of Non-Interstate and Auto-Tour shields, arrows and cardinals shall be black on white.

ROUTE MARKERS & COMPONENTS IN TYPICAL ASSEMBLIES

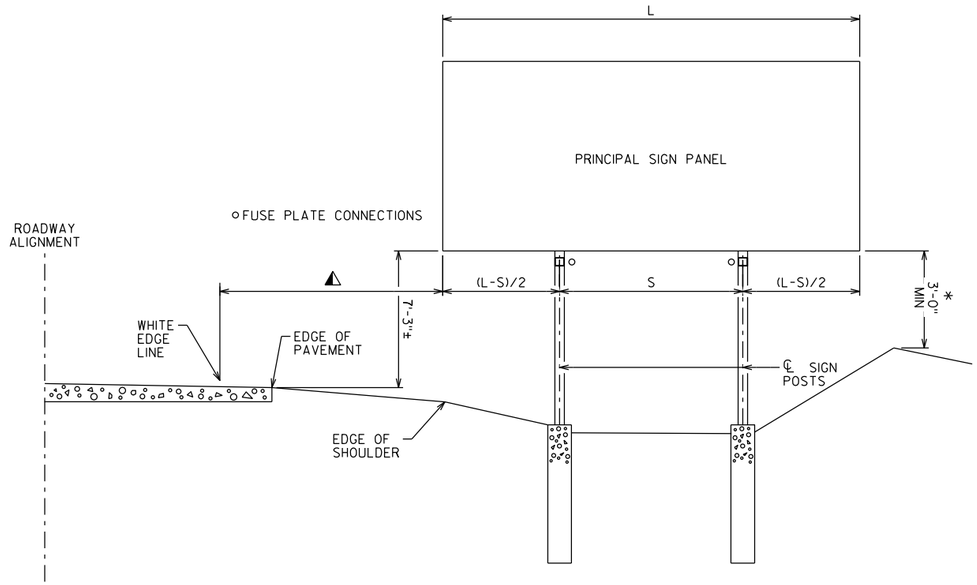
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

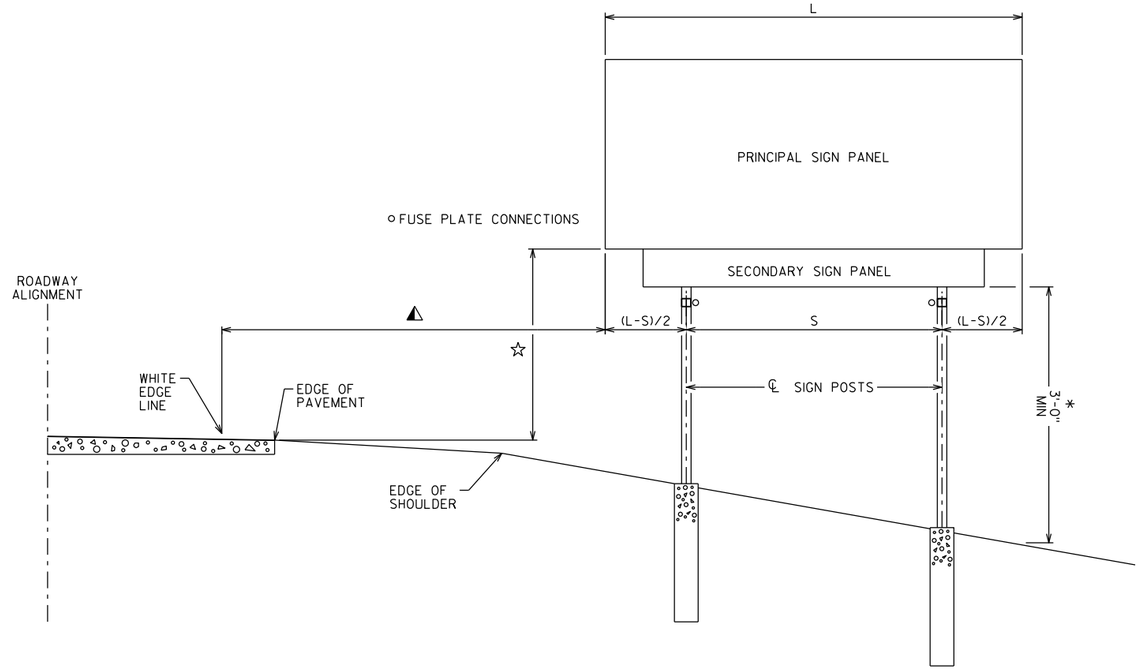
DATE 6/7/23 PLATE NO. A2-1S.10

PROJECT NO:

SHEET NO: 932 E



INSTALLATION WITHOUT SECONDARY SIGN



INSTALLATION WITH SECONDARY SIGN

TYPE 1 SIGN INSTALLATION NOTES:

FOR A 2-POST INSTALLATION, "S" EQUALS 3L/5, BUT SHALL NOT BE LESS THAN 6'-0".

FOR A 3-POST INSTALLATION, "S" EQUALS 5L/7, BUT SHALL NOT BE LESS THAN 12'-0". THE SPACING BETWEEN ANY TWO POSTS SHALL NOT BE LESS THAN 6'-0".

◭ UNLESS NOTED IN THE PLANS, THE SIGN OFFSET DISTANCE SHALL BE A MINIMUM OF 17'-6" FROM THE WHITE EDGE LINE, DESIRABLE 30'-0".

WHERE SIGNS ARE MOUNTED BEHIND CRASH WORTHY PROTECTION SUCH AS GUARDRAIL OR BARRIER WALL, THE LATERAL OFFSET MAY BE 4'-6" BEHIND THE GUARDRAIL OR BARRIER WALL.

THE ± TOLERANCE SHOWN ON THIS SHEETS IS 3".

THE VERTICAL SIGN HEIGHT CLEARANCES SHOWN ON THIS SHEET ARE MEASURED FROM THE BOTTOM OF THE SIGN PANEL TO THE NEAR EDGE OF PAVEMENT.

☆ THE VERTICAL CLEARANCE SHALL BE 8'-3"± WHEN THE SECONDARY SIGN HEIGHT IS 3'-0" OR LESS. FOR SECONDARY SIGN HEIGHTS LARGER THAN 3'-0", THE VERTICAL CLEARANCE TO THE BOTTOM OF THE SECONDARY SIGN PANEL SHALL BE 5'-3"±.

* THE VERTICAL SIGN GROUND CLEARANCE ON RIGHT END OF SIGN SHALL BE A MINIMUM OF 3'-0"±.

○ FOR 2-POST SIGNS, IF THERE IS A SECONDARY SIGN THAT IS NOT AS WIDE AS THE POSTS, INSTALL FUSE PLATES BENEATH PRINCIPAL SIGN.

FOR SECONDARY SIGNS THAT ARE NOT AS WIDE AS THE EXTERIOR POSTS, SECURE SIGN WITH CHANNEL STEEL AS DESCRIBED IN A4-6.

POST LENGTHS SHOWN IN THE MISCELLANEOUS QUANTITIES ARE ESTIMATED LENGTHS. THE CONTRACTOR SHALL VERIFY POST LENGTHS AT THE TIME OF FINAL GRADING.

REFER TO THE TRAFFIC ENGINEERING OPERATIONS AND SAFETY MANUAL FOR FURTHER GUIDANCE ON MINIMUM VERTICAL CLEARANCE REQUIREMENTS.

NO.	DATE	REVISION	BY
	2/29/24		

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE BTO TYPE I SIGNS

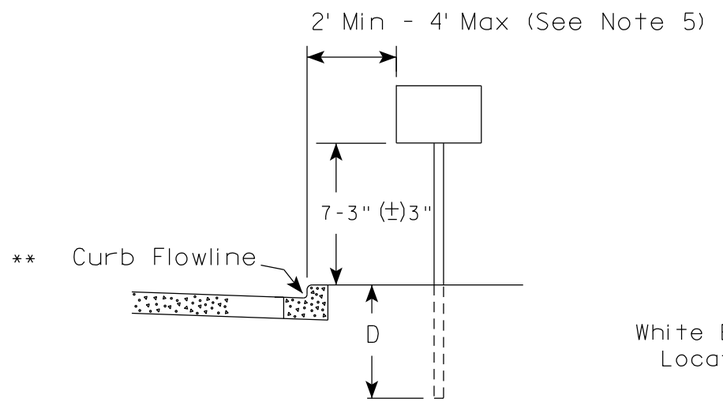
DRAWN BY	PLANS CK'D.

TYPICAL TYPE I SIGN INSTALLATION

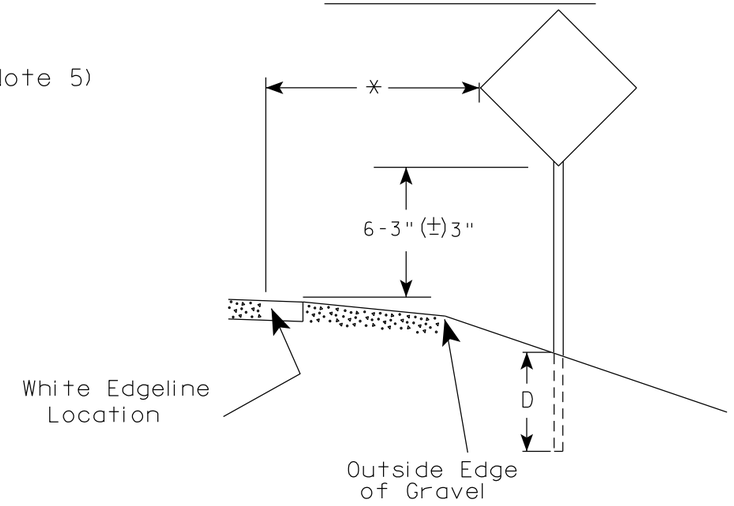
SHEET A4-1.11

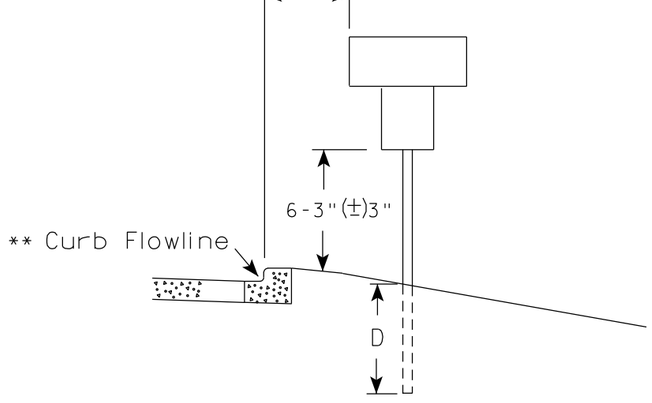
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 933	E

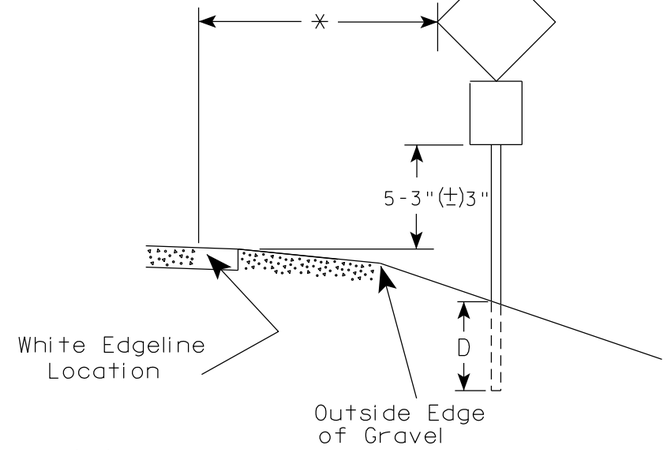
URBAN AREA



RURAL AREA (See Note 2)







** The existence of curb and gutter does not in itself mandate the vertical clearance illustrated. That height is typically measured where there is sidewalk adjacent to the roadway or parking is permitted. In the absence of sidewalk vertical clearance is measured from the top of the curb. Offset of signs is measured from the flow line.

* 6 feet from edge of a paved shoulder or 12 feet from the edge of pavement (edge line location) or 2 feet from outside edge of gravel, whichever is greater unless directed by project engineer.

POST EMBEDMENT DEPTH

Area of Sign Installation (Sq. Ft.)	D (Min)
20 or Less	4'
Greater than 20	5'

GENERAL NOTES

1. Signs wider than 4 feet or 20 sq.ft or larger, shall be mounted on multiple posts. Refer to plate A4-4.
2. If signs are mounted on or behind barrier wall, see A4-10 sign plate.
   The Double Arrow sign (W12-1D) shall be mounted at a height of 2'-3" (±) 3". The Chevron sign (W1-8), Roundabout Chevron panel (R6-4B), Enhanced Reference Markers, Clearance Markers (W5-52), Mile Markers (D10 series), In Road Object Markers (W5-54) & End of Road Markers (W5-56) shall be mounted at a height of 4'-3" (±) 3".
3. For expressways and freeways, mounting height is 7'- 3" (±) 3" or 6'-3" (±) 3" depending upon existence of a sub-sign.
4. Minimum mounting height for signs mounted on traffic signal poles is 5'- 3" (±) 3".
5. Offset distance shall be consistent with existing signs or consistent throughout length of project.
6. Folding signs shall be mounted at a height of 5'-3" (±) 3" or as directd by the Engineer.

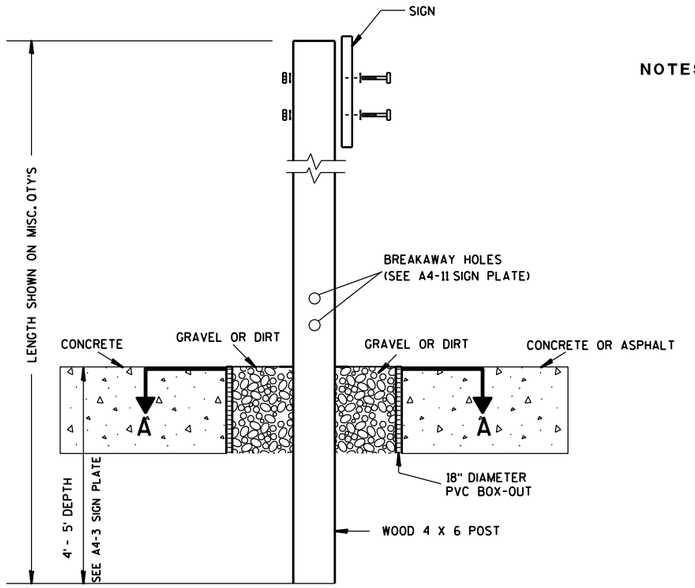
TYPICAL INSTALLATION OF PERMANENT TYPE II SIGNS ON SINGLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/6/23 PLATE NO. A4-3.23

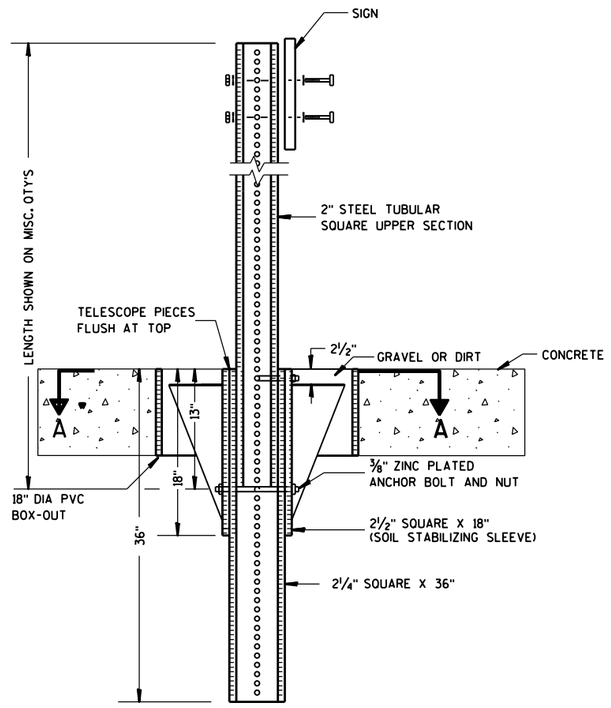
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 934	E



ELEVATION VIEW

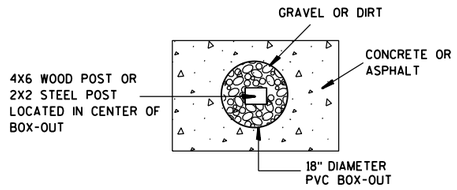
DETAIL OF WOOD 4 X 6 SIGN POST IN BOX-OUT

NOTES:
1. ALL MATERIAL TO BE APPROVED BY ENGINEER PRIOR TO INSTALLATION
2. SEE SIGN PLATE A4-8 FOR SIGN HARDWARE REQUIREMENTS
3. 18 INCH X 18 INCH SQUARE BOX-OUTS MAY BE USED FOR INSTALLATIONS IN EXISTING CONCRETE OR ASPHALT LOCATIONS.



ELEVATION VIEW

DETAIL OF STEEL 2 X 2 SIGN POST IN BOX-OUT



PLAN VIEW

FOR NEW CONCRETE/ASPHALT INSTALLATIONS

SIGN POST BOX-OUTS A4-3B

WISCONSIN DEPT OF TRANSPORTATION

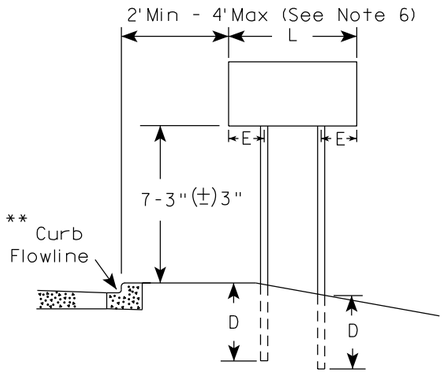
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/27/14 PLATE NO. A4-3B.1

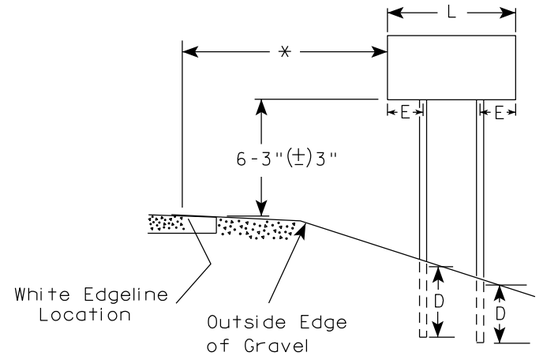
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

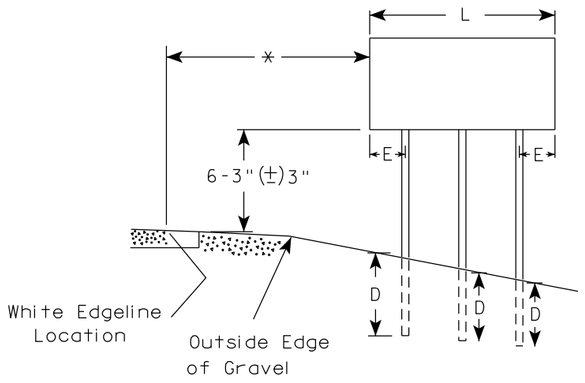
FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A43B.DGN PLOT DATE : 27-JAN-2014 09:48 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 13.659812:1.000000 WISDOT/CADDS SHEET 42

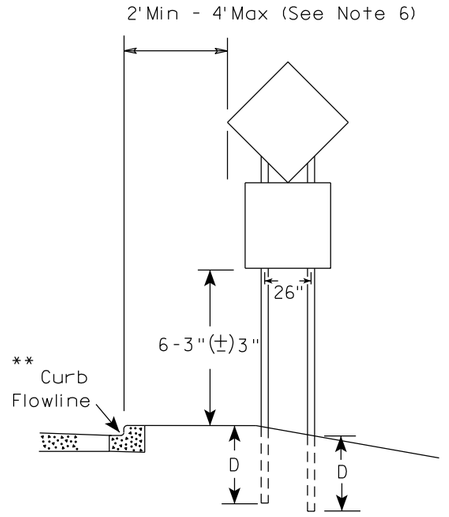
URBAN AREA



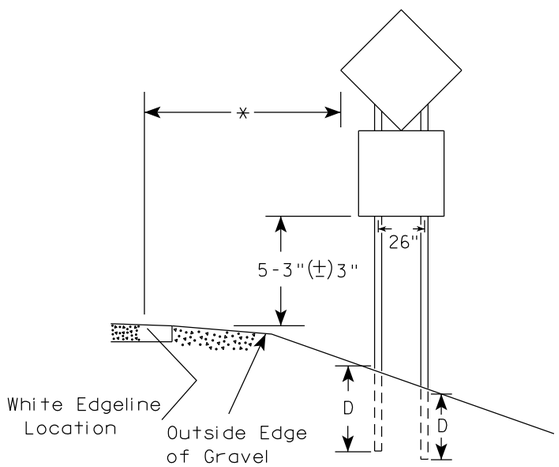
RURAL AREA (See Note 3)







48" DIAMOND WARNING SIGN



48" DIAMOND WARNING SIGN

SIGN SHAPE OTHER THAN DIAMOND (TWO POSTS REQUIRED)		
	L	E
***	Greater than 48" Less than 60"	12"
	60" to 108"	L/5

SIGN SHAPE OTHER THAN DIAMOND (THREE POSTS REQUIRED)	
L	E
Greater than 108" to 144"	12"

GENERAL NOTES

1. For 3 or 4 post installations, individual post spacing shall be greater than 3'-6".
2. See tables below for required number of posts.
3. For expressways and freeways, mounting height is 7'-3" (±) 3" or 6'-3" (±) 3" depending upon existence of sub-sign.
4. The (±) tolerance for mounting height is 3 inches.
5. J-Assemblies are considered to be one sign for mounting height.
6. Offset distance shall be consistent with existing signs or consistent throughout length of project.
7. Folding signs shall be mounted at a height of 5'-3" (±) 3" or as directed by the engineer.
8. The Double Arrow sign (W12-1) shall be mounted at a height of 2'-3" (±) 3". The Chevron sign (W1-8), Roundabout Chevron panel (R6-4B), Clearance Markers (W5-52), Mile Markers (D10 series), In Road Object Markers (W5-54) & End of Road Markers (W5-56) shall be mounted at a height of 4"-3" (±) 3".

* 6 feet from edge of a paved shoulder or 12 feet from the edge of pavement (edge line location) or 2 feet from outside edge of gravel, whichever is greater unless directed by project engineer.

** The existence of curb and gutter does not in itself mandate the vertical clearance illustrated. That height is typically measured where there is sidewalk adjacent to the roadway or parking is permitted. In the absence of sidewalk vertical clearance is measured from the top of the curb. Offset of signs is measured from the flow line.

*** See A4-3 sign plate for signs 4' or less in width and less than 20 S.F. in area.

POST EMBEDMENT DEPTH

Area of Sign Installation (Sq. Ft.)	D (Min)
20 or Less	4'
Greater than 20	5'

TYPICAL INSTALLATION OF TYPE II SIGNS ON MULTIPLE POSTS

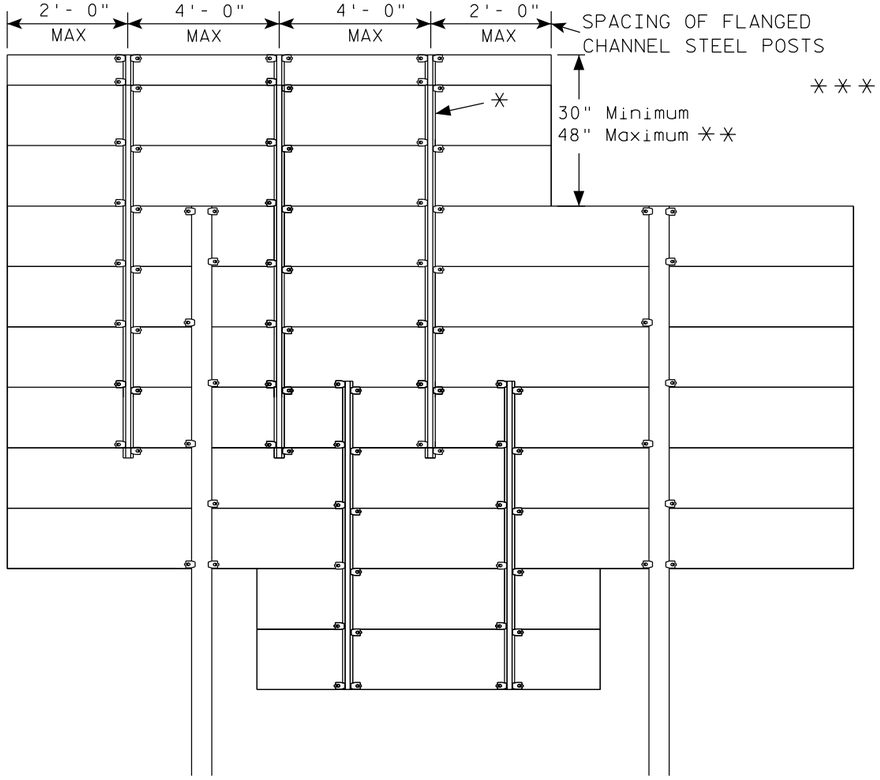
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/6/23 PLATE NO. A4-4.16

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 936	E

GROUND MOUNTED SIGN



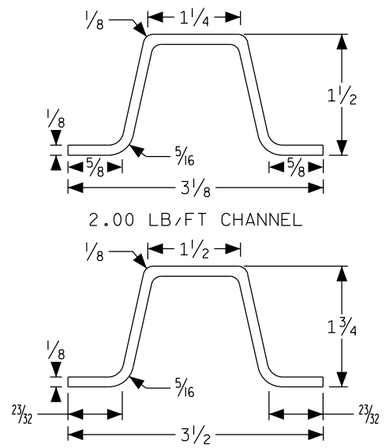
✳=2.00 lb/ft AND 4.00 lb/ft FLANGED CHANNEL, MIN. YIELD STRENGTH = 60,000 PSI (GRADE 60) GALVANIZED

✳✳=FOR 48" HEIGHT PANELS ON OVERHEAD STRUCTURES, ENTIRE SIGN SHALL BE CENTERED VERTICALLY ABOUT THE DEPTH OF THE TRUSS.

✳✳✳ THESE SPACING DISTANCES SHALL ONLY BE USED WHEN THE MAIN SIGN HAS A MAXIMUM HEIGHT (DIMENSION H) OF 15 FT OR LESS. FOR SIGNS WITH A HEIGHT OF GREATER THAN 15 FT, STRUCTURAL CALCULATIONS SHALL BE PERFORMED.

FLANGE CHANNEL DETAILS

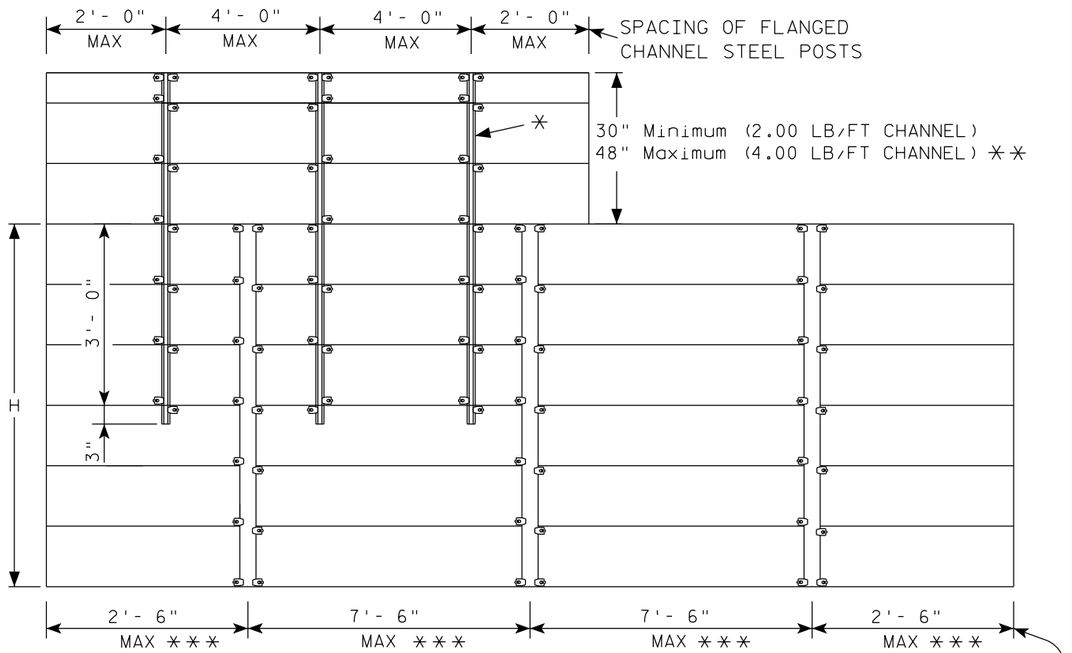
NOT TO SCALE



2.00 LB/FT CHANNEL

4.00 LB/FT CHANNEL

SIGN BRIDGE MOUNTED SIGN



SPACING OF ALUMINUM SIGN SUPPORTS 5" X 3.5" X 3.7 LBS./ft.

GENERAL NOTES

1. Flanged channel steel posts shall conform to size and material above, and shall be considered as incidental to other items in the contract.
2. Number of Flanged channel steel supports varies with length of panel and shall be spaced as shown:

   PANEL LENGTH 8'-0" OR LESS = 2 CHANNELS
   PANEL LENGTH 9'- 0" - 12'- 0" = 3 CHANNELS
   PANEL LENGTH 13'- 0" OR MORE = 4 CHANNELS

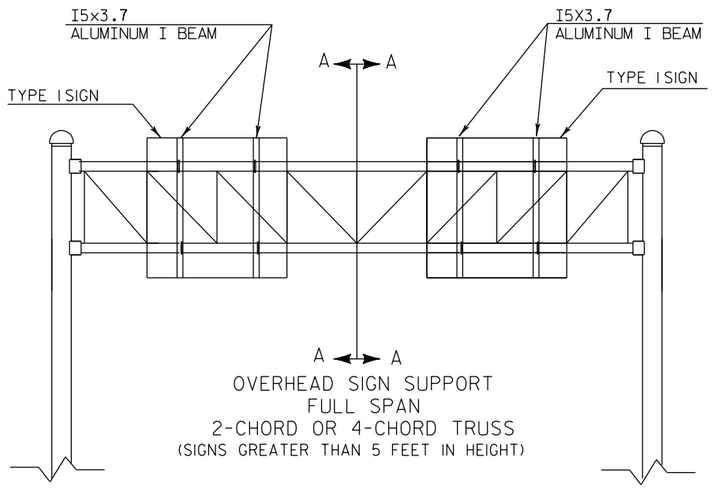
   If the flanged channel steel posts can not be horizontally spaced as shown, they can be moved so as to securely hold the sign.
3. The EXIT NUMBER PANEL shall normally be positioned above the guide sign aligned with the right edge of the guide sign. If the guide sign indicates a left exit, the EXIT NUMBER PANEL shall be aligned with the left edge of the guide sign.
4. If the bolt holes in the top panel (EXIT NUMBER), or sub panel (NEXT EXIT) line up with holes in main sign panel, stitch bolts shall be used in addition to the channels.
5. Provide post clips for each sign as shown. (Please note the differences between a ground mounted versus Sign bridge mounted sign as far as number of clips required on the main supports or beams)
6. Structural steel sign supports shall extend to the top of the main signs, as shown on the above details.

ATTACHMENT OF GUIDE SIGNS TO SUPPORTS

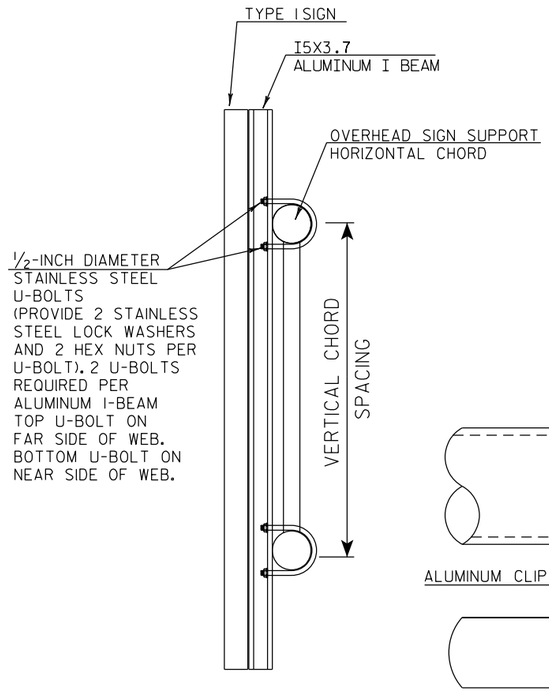
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

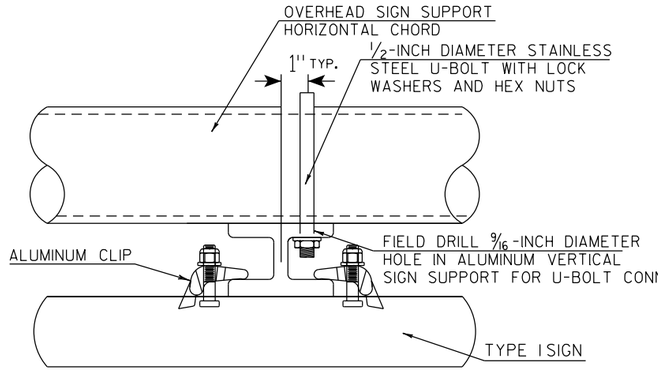
DATE 1/07/20 PLATE NO. A4-6.12



OVERHEAD SIGN SUPPORT
FULL SPAN
2-CHORD OR 4-CHORD TRUSS
(SIGNS GREATER THAN 5 FEET IN HEIGHT)



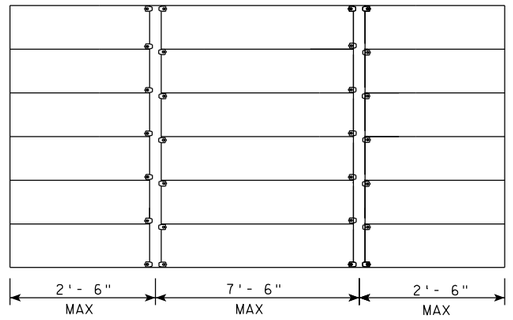
CUT SECTION A-A



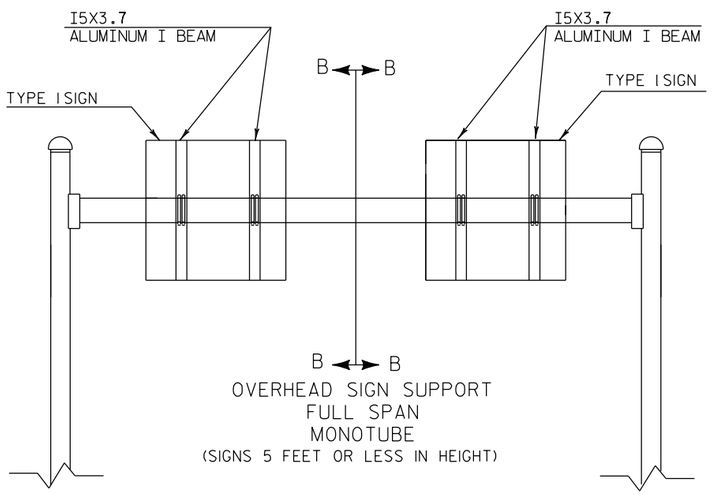
TYPICAL SIGN CONNECTION FOR
2-CHORD OR 4-CHORD TRUSS
PLAN VIEW

GENERAL NOTES

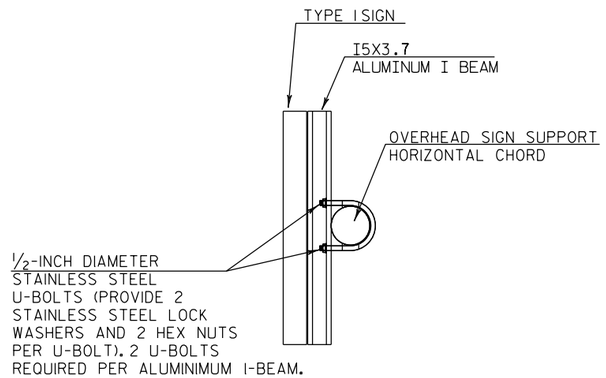
1. USE STAINLESS STEEL U-BOLTS, WASHERS, AND NUTS.
2. USE CLIPS ON EVERY EXTRUDED PANEL JOINT PER SIGN PLATE A4-6.
3. USE ALUMINUM VERTICAL SIGN SUPPORT BEAMS HAVING A 5 INCH BEAM DEPTH AND WEIGHT OF 3.7 LBS PER FOOT.
4. U-BOLTS SHALL BE STAINLESS STEEL AND MANUFACTURED TO THE PROPER SIZE TO FIT THE CHORDS OF THE OVERHEAD SIGN STRUCTURE.
5. DIAMETER OF U-BOLTS SHALL BE AS SHOWN.
6. THE LENGTH OF THE ALUMINUM VERTICAL SIGN SUPPORT BEAMS SHALL BE THE SAME AS THE HEIGHT OF THE SIGN THEY ARE SUPPORTING. BEAM LENGTHS MAY BE LONGER FOR PROPER ATTACHMENT TO CHORDS.
7. MINIMUM NUMBER OF BRACKETS PER SIGN IS TWO. SEE DETAIL BELOW FOR SPACING OF ALUMINUM VERTICAL SIGN SUPPORTS
8. MATERIAL NOTES:
   STAINLESS STEEL U-BOLTS AND LOCKWASHERS ASTM 304.
   STAINLESS STEEL HEX NUTS ASTM A276.
   ALUMINUM I-BEAMS ARE 6061-T6.
9. SLOTTED HOLES IN I-BEAMS ARE NOT ALLOWED



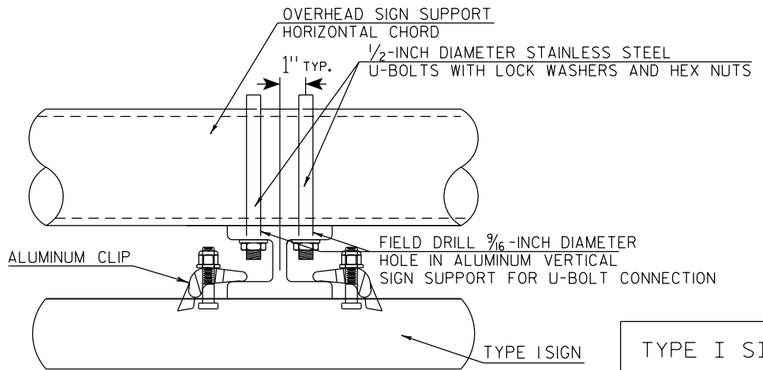
SPACING OF I5X3.7 ALUMINUM
VERTICAL SIGN SUPPORT



OVERHEAD SIGN SUPPORT
FULL SPAN
MONOTUBE
(SIGNS 5 FEET OR LESS IN HEIGHT)



CUT SECTION B-B



TYPICAL SIGN CONNECTION FOR
MONOTUBE
PLAN VIEW

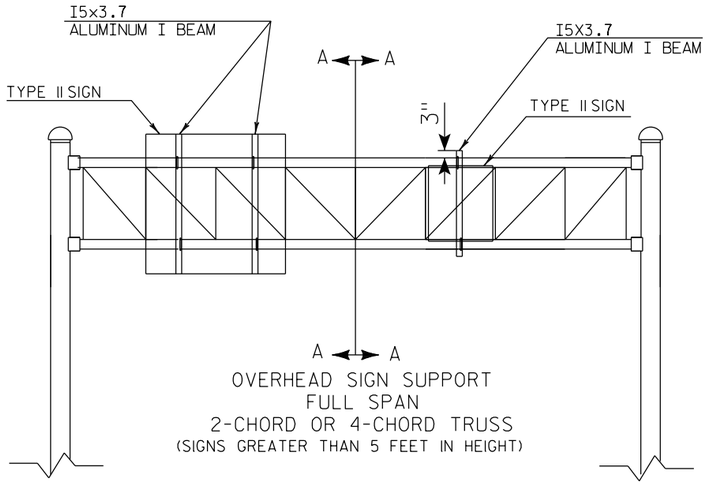
TYPE I SIGN CONNECTION
TO OVERHEAD SIGN SUPPORT

WISCONSIN DEPT OF TRANSPORTATION

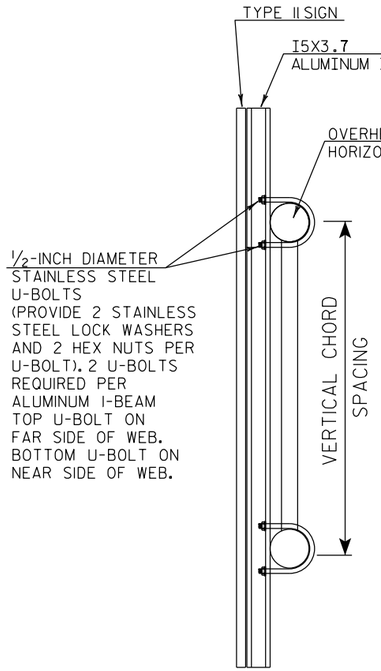
APPROVED Matthew R Rauch
State Traffic Engineer

DATE 1/07/20 PLATE NO. A4-7A.1

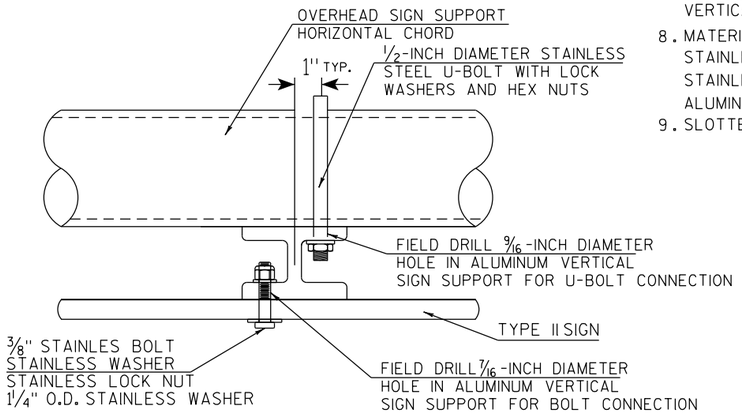
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 938	E



OVERHEAD SIGN SUPPORT
FULL SPAN
2-CHORD OR 4-CHORD TRUSS
(SIGNS GREATER THAN 5 FEET IN HEIGHT)



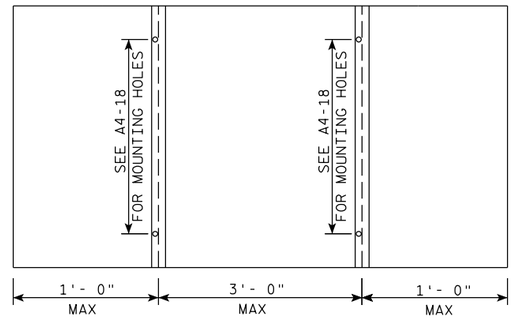
CUT SECTION A-A



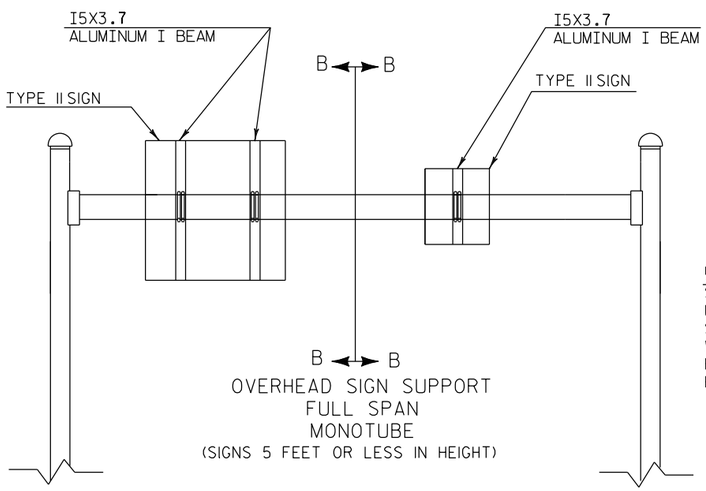
TYPICAL SIGN CONNECTION FOR
2-CHORD OR 4-CHORD TRUSS
PLAN VIEW

GENERAL NOTES

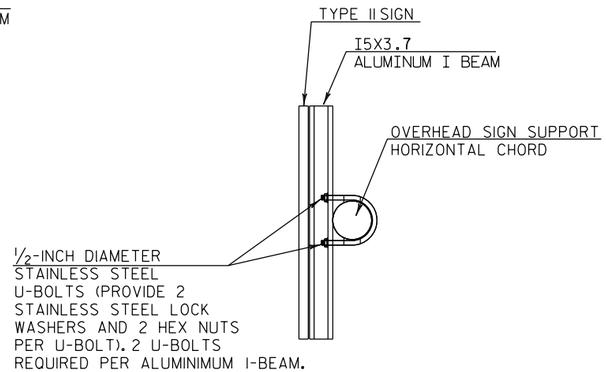
1. USE STAINLESS STEEL U-BOLTS, WASHERS, AND NUTS.
2. USE STAINLESS BOLTS AT BOLT HOLES IN SIGN PANEL PER SIGN PLATE A4-18.
3. USE ALUMINUM VERTICAL SIGN SUPPORT BEAMS HAVING A 5 INCH BEAM DEPTH AND WEIGHT OF 3.7 LBS PER FOOT.
4. U-BOLTS SHALL BE STAINLESS STEEL AND MANUFACTURED TO THE PROPER SIZE TO FIT THE CHORDS OF THE OVERHEAD SIGN STRUCTURE.
5. DIAMETER OF U-BOLTS SHALL BE AS SHOWN.
6. THE LENGTH OF THE ALUMINUM VERTICAL SIGN SUPPORT BEAMS SHALL BE THE SAME AS THE HEIGHT OF THE SIGN THEY ARE SUPPORTING. BEAM LENGTHS MAY BE LONGER FOR PROPER ATTACHMENT TO CHORDS.
7. SEE DETAIL BELOW FOR SPACING OF ALUMINUM VERTICAL SIGN SUPPORTS
8. MATERIAL NOTES:
   STAINLESS STEEL U-BOLTS, BOLTS, AND LOCKWASHERS ASTM 304.
   STAINLESS STEEL HEX NUTS ASTM A276.
   ALUMINUM I-BEAMS ARE 6061-T6.
9. SLOTTED HOLES IN I-BEAMS ARE NOT ALLOWED



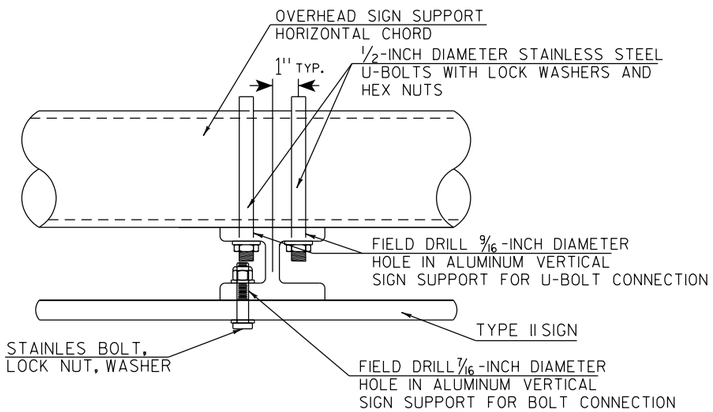
SPACING OF I5X3.7 ALUMINUM
MULTIPLE VERTICAL SIGN SUPPORTS



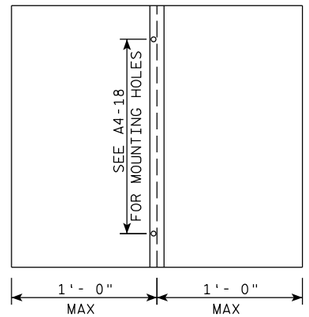
OVERHEAD SIGN SUPPORT
FULL SPAN
MONOTUBE
(SIGNS 5 FEET OR LESS IN HEIGHT)



CUT SECTION B-B



TYPICAL SIGN CONNECTION FOR
MONOTUBE
PLAN VIEW



SPACING OF I5X3.7 ALUMINUM
SINGLE VERTICAL SIGN SUPPORT

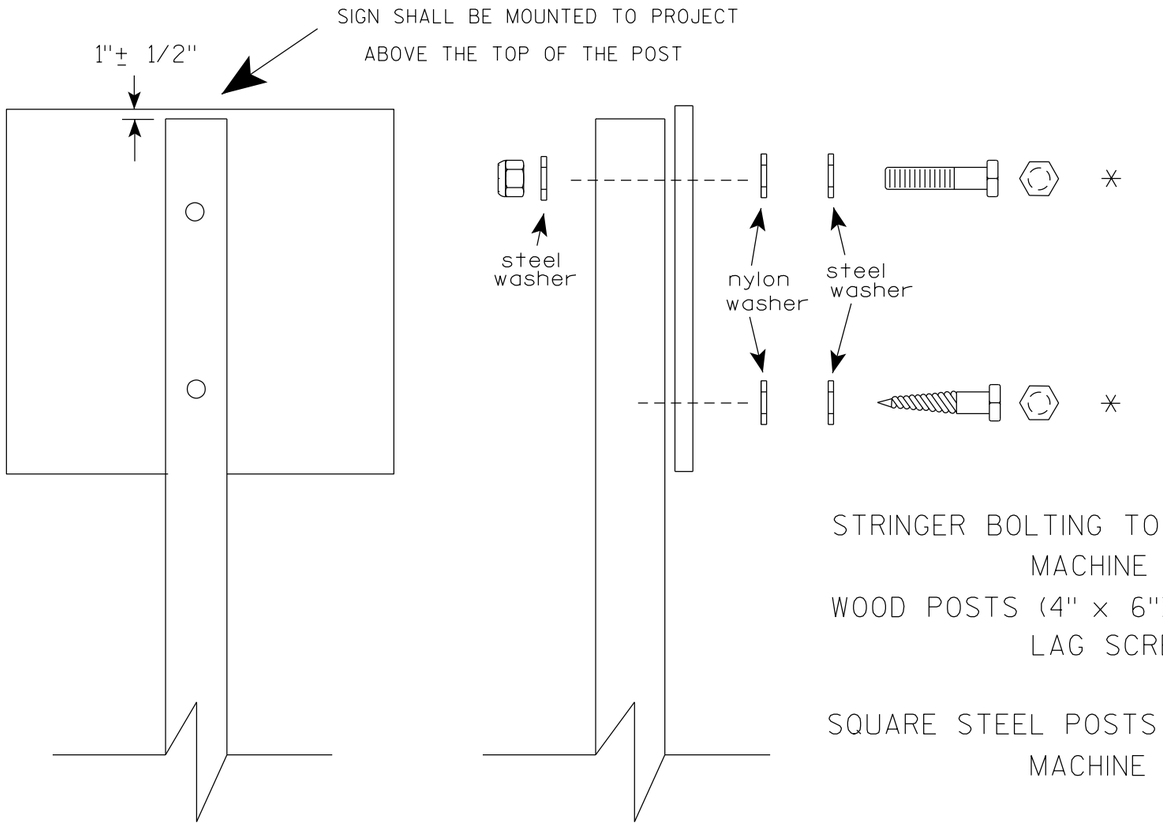
TYPE II SIGN CONNECTION
TO OVERHEAD SIGN SUPPORT

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/07/20 PLATE NO. A4-7B.1

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 939	E



Nuts, bolts and lags used for mounting signs shall have hexagonal heads and shall be either :

a. Hot dip galvanized in accordance with ASTM Designation: A 153, Class D, or SC 3

b. Electro-galvanized in accordance with ASTM Designation : B 633, TYPE III, SC 3.

Threads on bolts and nuts shall be manufactured with sufficient allowance for the cadmium plate or galvanized coating to permit the nuts to run freely on the bolts.

STRINGER BOLTING TO ALUMINUM SIGNS (SEE SIGN PLATE A4-18)

MACHINE BOLTS - 5/16" X 1-3/4" Length w/ lock nuts

WOOD POSTS (4" x 6")

LAG SCREWS - 3/8" X 3" (NO STRINGERS ON BACK OF SIGN)
3/8" X 4" (STRINGERS ON BACK OF SIGN)

SQUARE STEEL POSTS (2" x 2")

MACHINE BOLTS - 3/8" X 3-1/4" Length w/ nuts (NO STRINGER ON BACK OF SIGN)
3/8" X 5" Length w/ nuts (STRINGERS ON BACK OF SIGN)

RIVETS - 9/32" (6605-9-6) BULB-TITE, TRI-FOLD, ALUMINUM BODY/MANDREL
O.D. FLANGE .720-.765 INCH, GRIP RANGE .042-.375 INCH

WASHERS (ALL POSTS) -

1-1/4" O.D. X 3/8" I.D. X 1/16" STEEL
1-1/4" O.D. X 3/8" I.D. X .080 NYLON

* Two different fastening systems are shown for illustration purposes. On any individual sign, either one or the other system shall be used. Actual number of fasteners per sign varies with the sign area, but normally there are two. For a single post installation, all signs greater than 9 sq. ft. require the use of 3 fasteners.

ATTACHMENT OF SIGNS TO POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

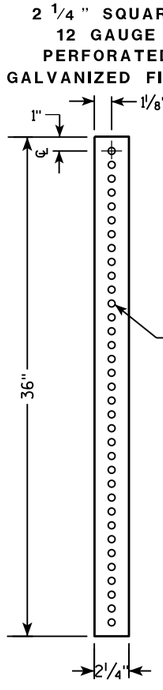
DATE 4/1/2020 PLATE NO. A4-8.9

PROJECT NO:

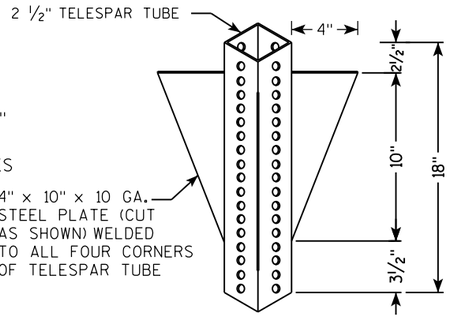
SHEET NO: 940 E

TELESCOPIC TUBING ANCHORS
TWO PIECE SYSTEM

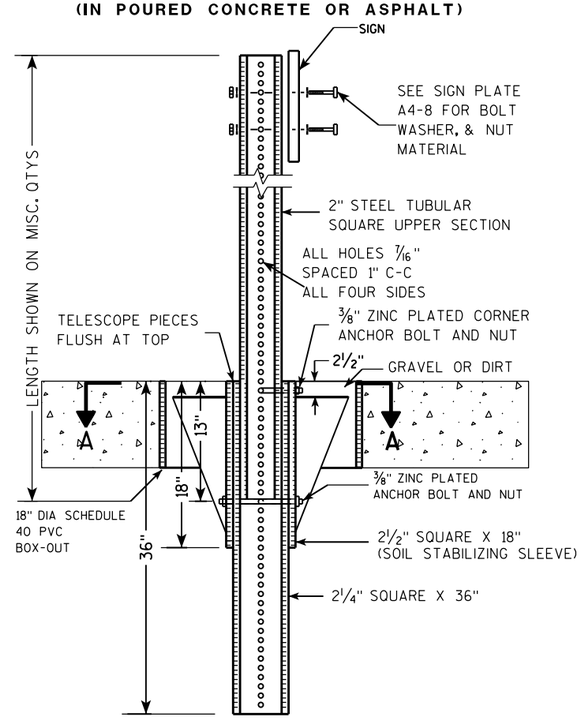
2 1/4 " SQUARE
12 GAUGE
PERFORATED
GALVANIZED FINISH



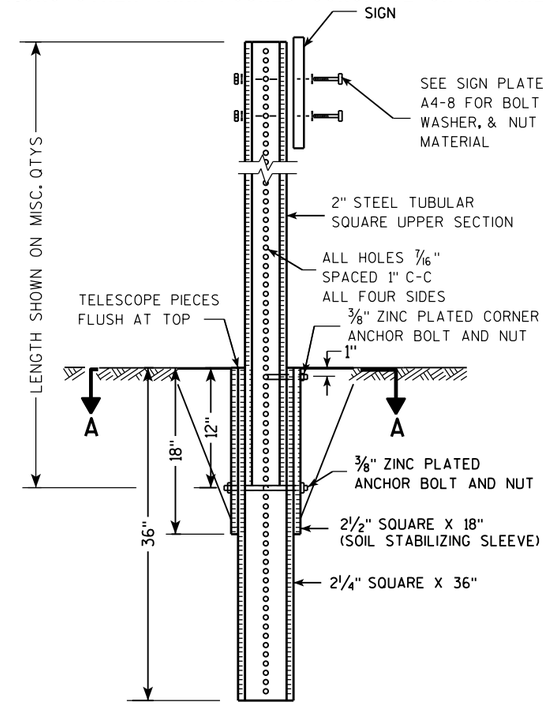
2 1/2 " SQUARE
12 GAUGE
OMNI-DIRECTIONAL
PERFORATED
SOIL STABILIZING SLEEVE
GALVANIZED FINISH

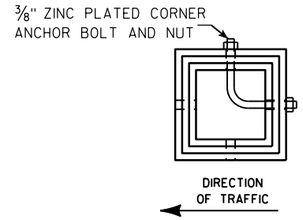


DETAIL OF TUBULAR STEEL SIGN POST
(IN POURED CONCRETE OR ASPHALT)



DETAIL OF TUBULAR STEEL SIGN POST
(IN LOCATIONS OTHER THAN POURED CONCRETE OR ASPHALT)





SECTION A-A

Area of Sign Installation (Sq. Ft.)	Number of Required Posts
9 or less	1
Greater than 9 less than or equal to 18	2
Greater than 18 less than or equal to 27	3

Signs wider than 3 feet or larger than 9 sq. ft shall be mounted on multiple posts (see above table).

TUBULAR STEEL
SIGN POST
A4-9

WISCONSIN DEPT OF TRANSPORTATION

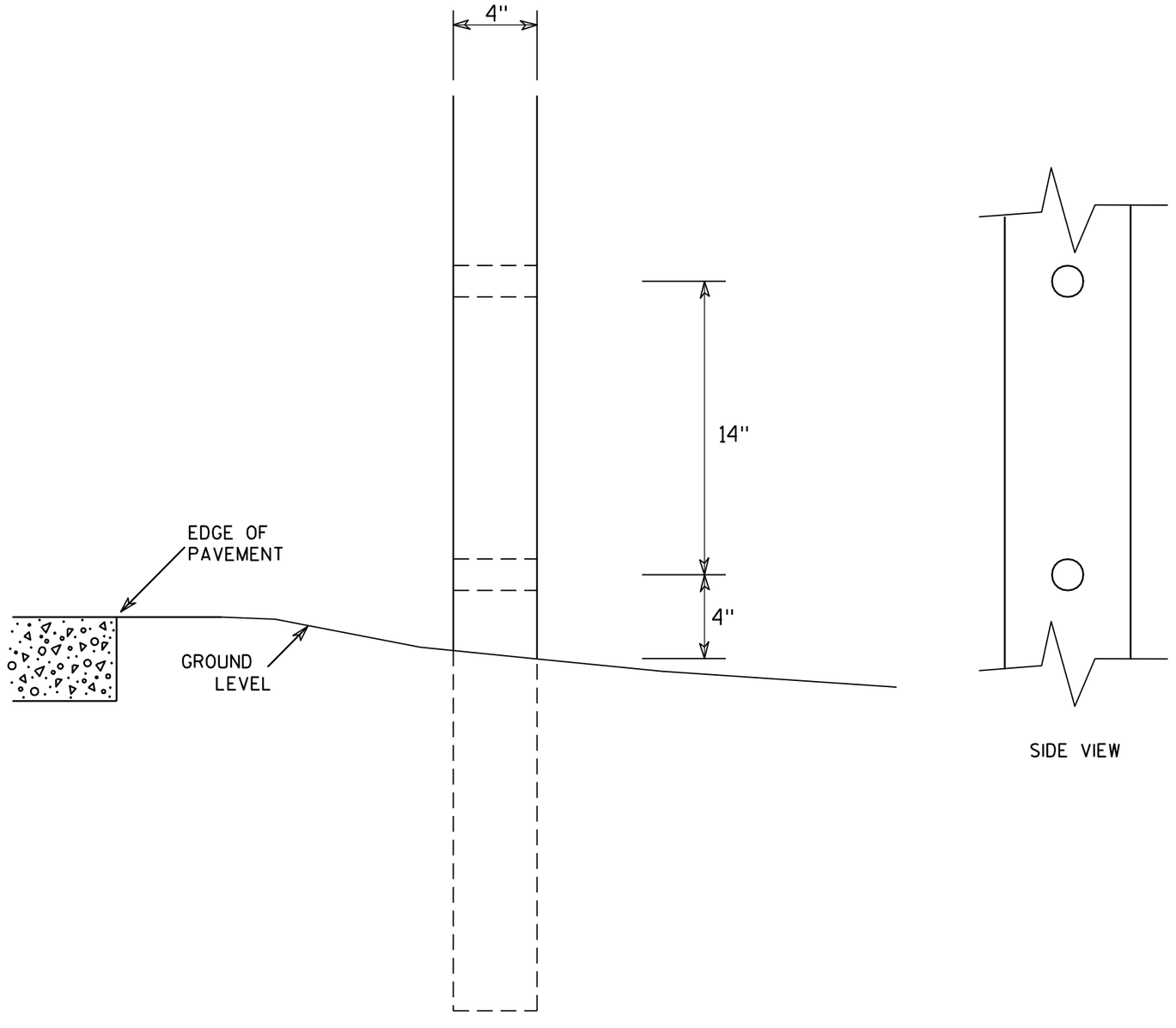
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/05/15 PLATE 941 A4-9.9

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A49.DGN PLOT DATE : 05-FEB-2015 17:09 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 13.659812:1.000000

WISDOT/CADDS SHEET 42



SIDE VIEW

GENERAL NOTES

1. All 4 x 6 Wood Posts shall be modified by having two 1½" diameter holes drilled perpendicular to the roadway centerline.

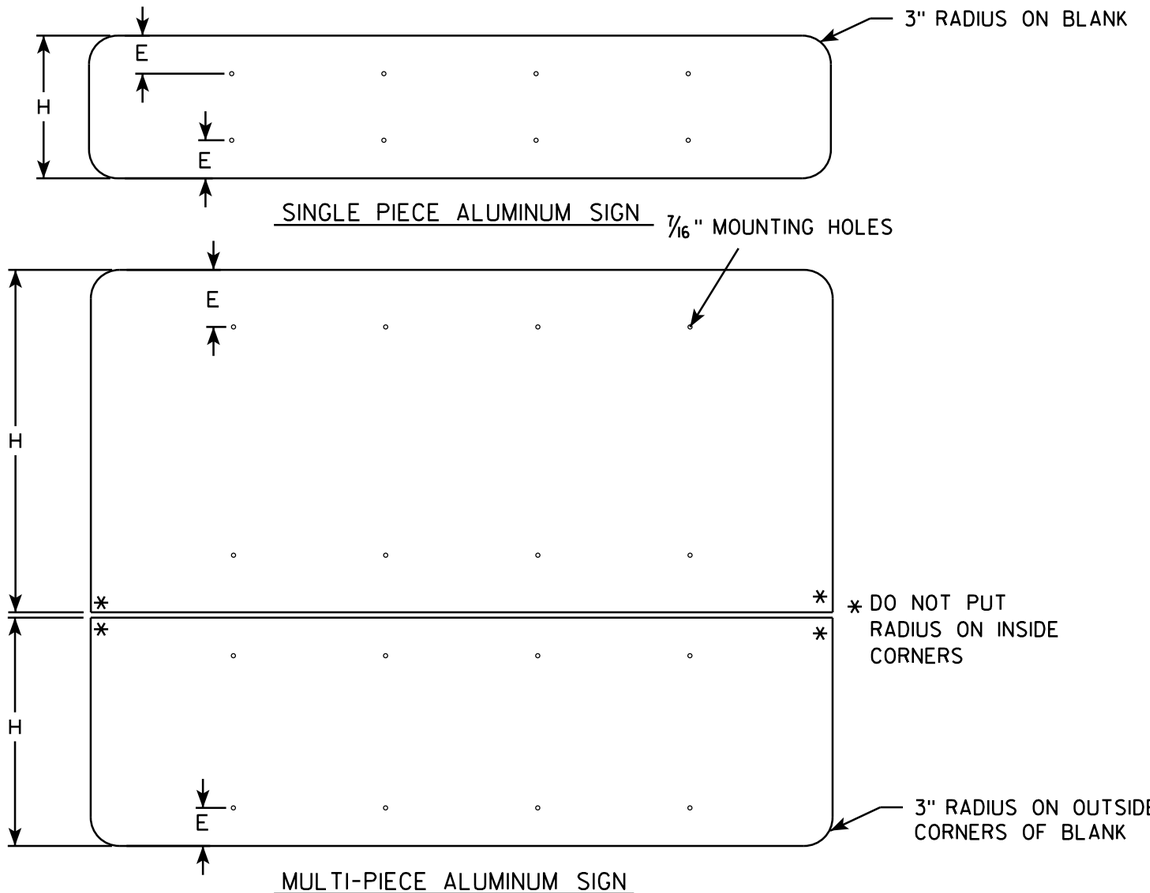
4 X 6 WOOD POST MODIFICATIONS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Chester J Spang for State Traffic Engineer

DATE 3/27/97 PLATE NO. A4-11.2

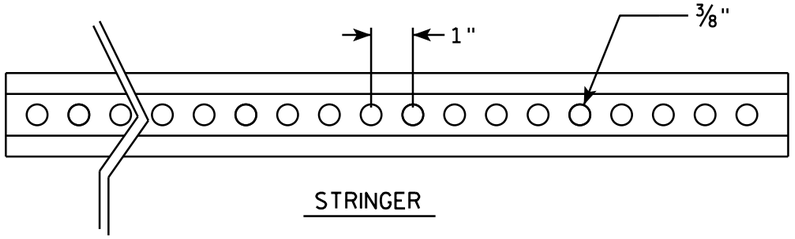
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 942	E



GENERAL NOTES

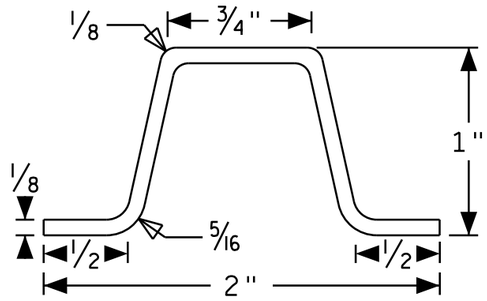
- ALL SIGNS OVER 60" IN WIDTH SHALL HAVE A 3" RADIUS ON THE OUTSIDE CORNERS OF THE ALUMINUM BLANK.
- MOUNTING HOLES SHALL BE 7/16" DIAMETER.
- SEE CHART FOR HOLE SPACING REQUIREMENTS
- FOR SIGN PANELS WITH DIMENSION (H) 36" AND OVER, DIMENSION E SHALL BE 6"
- FOR SIGN PANELS WITH DIMENSION (H) UNDER 36", DIMENSION E SHALL BE 4"
- SIGN STRINGER MATERIAL SHALL CONSIST OF STEEL CHANNEL POST SECTIONS, WEIGHING 1.12 LBS/FT IN ACCORDANCE WITH SECTION 633.2.1 OF THE STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION.
- SEE SIGN PLATE A4-8 FOR SIGN STRINGER BOLTING REQUIREMENTS.

SIGN WIDTH	STRINGER WIDTH	POSTS	HOLE SPACING	MOUNTING HOLES
78"	72"	2	16"	15" 31" 47" 63"
84"	72"	2	17"	16½" 33½" 50½" 67½"
90"	72"	2	18"	18" 36" 54" 72"
96"	90"	2	19"	19½" 38½" 57½" 76½"
102"	90"	2	20"	21" 41" 61" 81"
108"	90"	2	21"	22½" 43½" 64½" 85½"
114"	108"	3	15"	12" 27" 42" 57" 72" 87" 102"
120"	108"	3	16"	12" 28" 44" 60" 76" 92" 108"
126"	108"	3	17"	12" 29" 46" 63" 80" 97" 114"
132"	126"	3	18"	12" 30" 48" 66" 84" 102" 120"
138"	126"	3	19"	12" 31" 50" 69" 88" 107" 126"
144"	126"	3	20"	12" 32" 52" 72" 92" 112" 132"

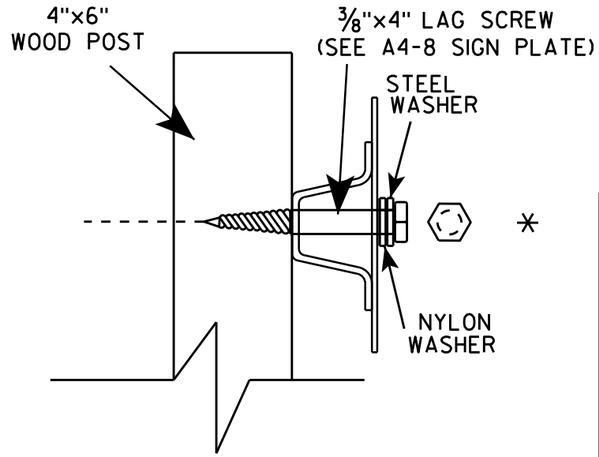


STRINGER

CROSS SECTION VIEW OF CHANNEL



POST MOUNTING



SIGN STRINGER MOUNTING REQUIREMENTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch

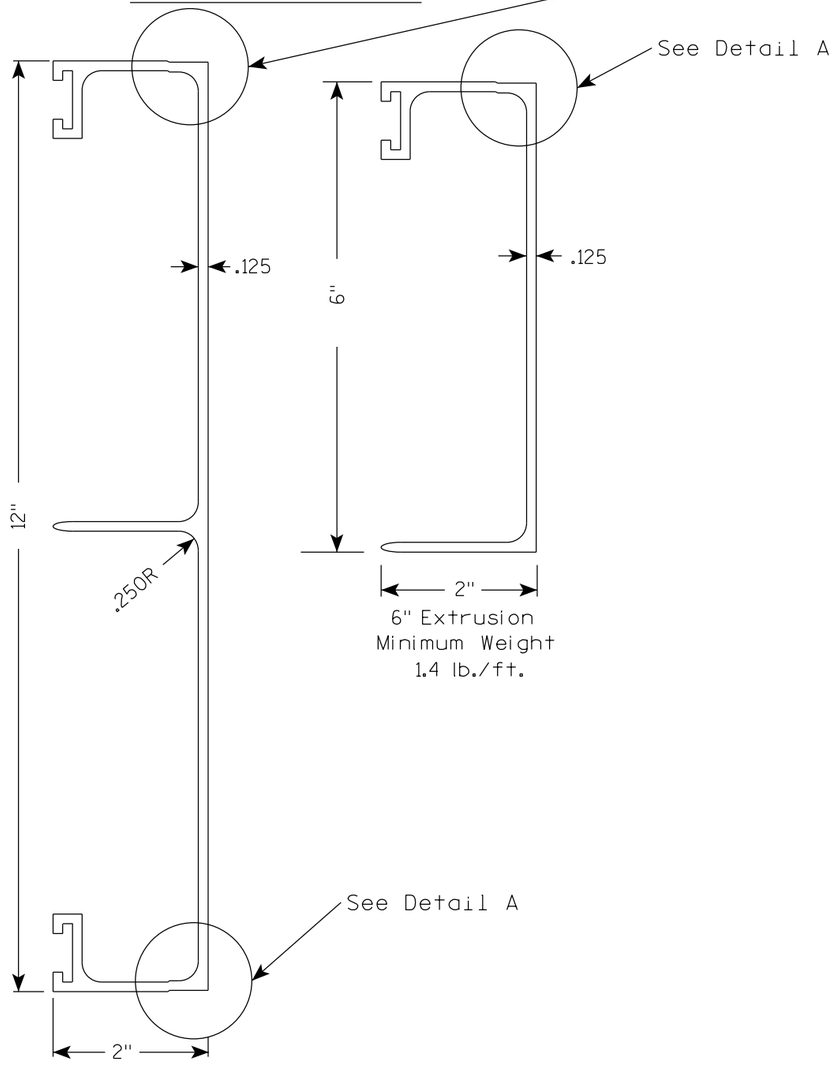
for State Traffic Engineer

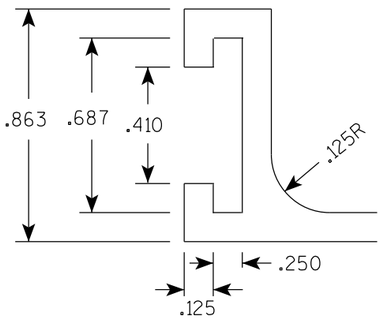
DATE 4/26/16 PLATE NO A4-18.1

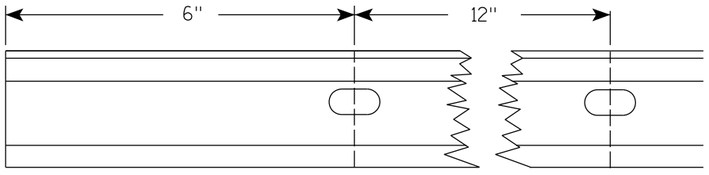
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\A418.dgn PLOT DATE : 27-APR-2016 13:56 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 41.805205:1.000000 WISDOT/CADDS SHEET 42

Extruded Shape







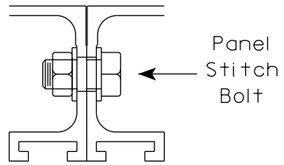
Punch 7/16" x 7/8" oval holes beginning 6" in from end of extrusion 12" CC on both edges of 6" and 12" panels.

Hardware

STITCH BOLT, WASHER & NUT

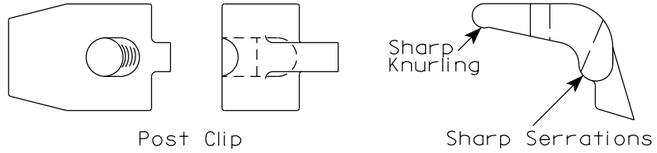
The hardware includes:

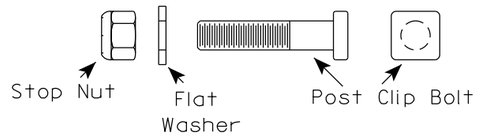
3/8 " - 16 X 3/4 " Economy Bolt 2024-T4 alloy
3/8 " - Stainless steel stop nut
3/8" X .064 Flat Washers, Alclad 2024-T4 alloy



POST CLIP, POST CLIP BOLT, WASHER & NUT

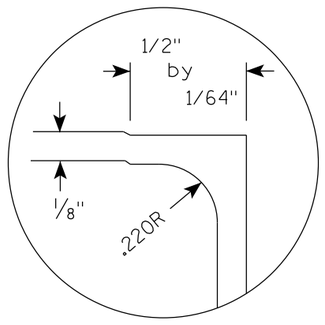
Post Clip shall be Alum. Alloy 356-T6
Post Clip Bolt shall be Stainless Steel.
Flat washer shall be 3/8" X .091, Stainless Steel.
Stop nut shall be stainless steel.





NOTES

1. The contractor may select any brand of extrusion that conforms to the illustrations or meets with the approval of the engineer, but all extrusions used on this contract shall be of the same brand.
2. Panel Stitch Bolts shall be used to assemble adjacent panels. Maximum stitch bolt spacing shall be 24" C-C, and a minimum of 4 bolts shall be used to connect any two extrusions.
3. Post Clips shall be used to attach the sign panel to the sign support.
4. Edge wrapping of sign sheeting required on all extrusions joints shown in Detail A.



DETAIL A (EDGE WRAP JOINT)

ALUMINUM EXTRUSIONS FOR TYPE I SIGNS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

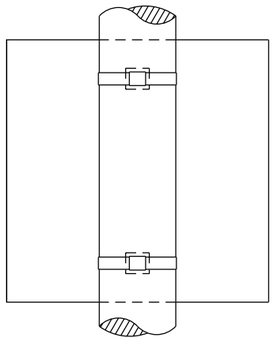
DATE 1/07/20 PLATE NO. A5-2.10

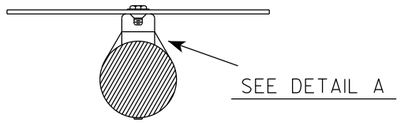
PROJECT NO:

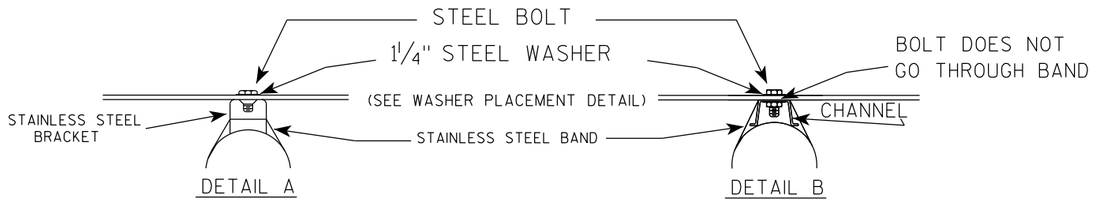
SHEET NO: 944 E

BANDING

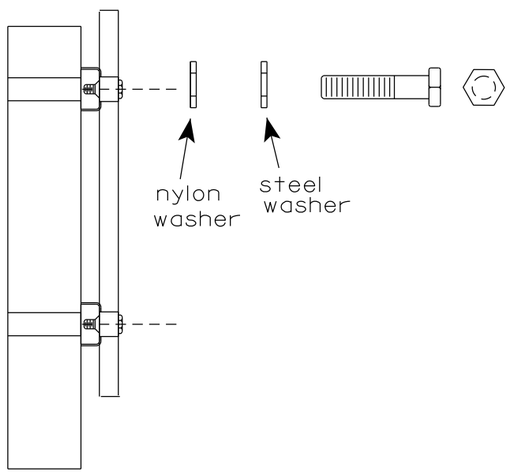
SINGLE SIGN







WASHER PLACEMENT

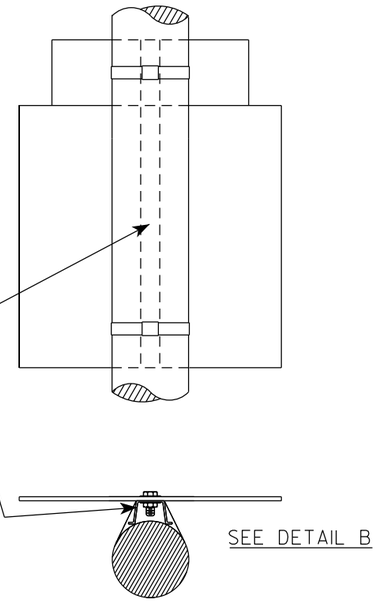


WASHERS (ALL POSTS) -
1-1/4" O.D. X 3/8" I.D. X 1/16" STEEL
1-1/4" O.D. X 3/8" I.D. X .080 NYLON
FOR ALL TYPE H SIGNS

GENERAL NOTES

1. Any sign over 3 feet in width shall use the V-Block banding method. See A5-10 standard plate.
2. Signs 3 feet or greater in height shall have three bracket bands installed. Signs less than 3 feet in height shall have two bracket bands installed.
3. Banding and assembly bracket shall be stainless steel. All bands shall be ¾" in width and 0.025" thickness.
4. ALL SIGN MOUNTING BOLTS AND WASHERS SHALL BE EITHER:
   a. Hot dip or mechanically galvanized in accordance with ASTM Designation: A 153, Class D
   b. Electro-galvanized in accordance with ASTM designation: B 633, Type III, SC 3

"J" ASSEMBLY



STANDARD SIGN
SIGN BANDING DETAILS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

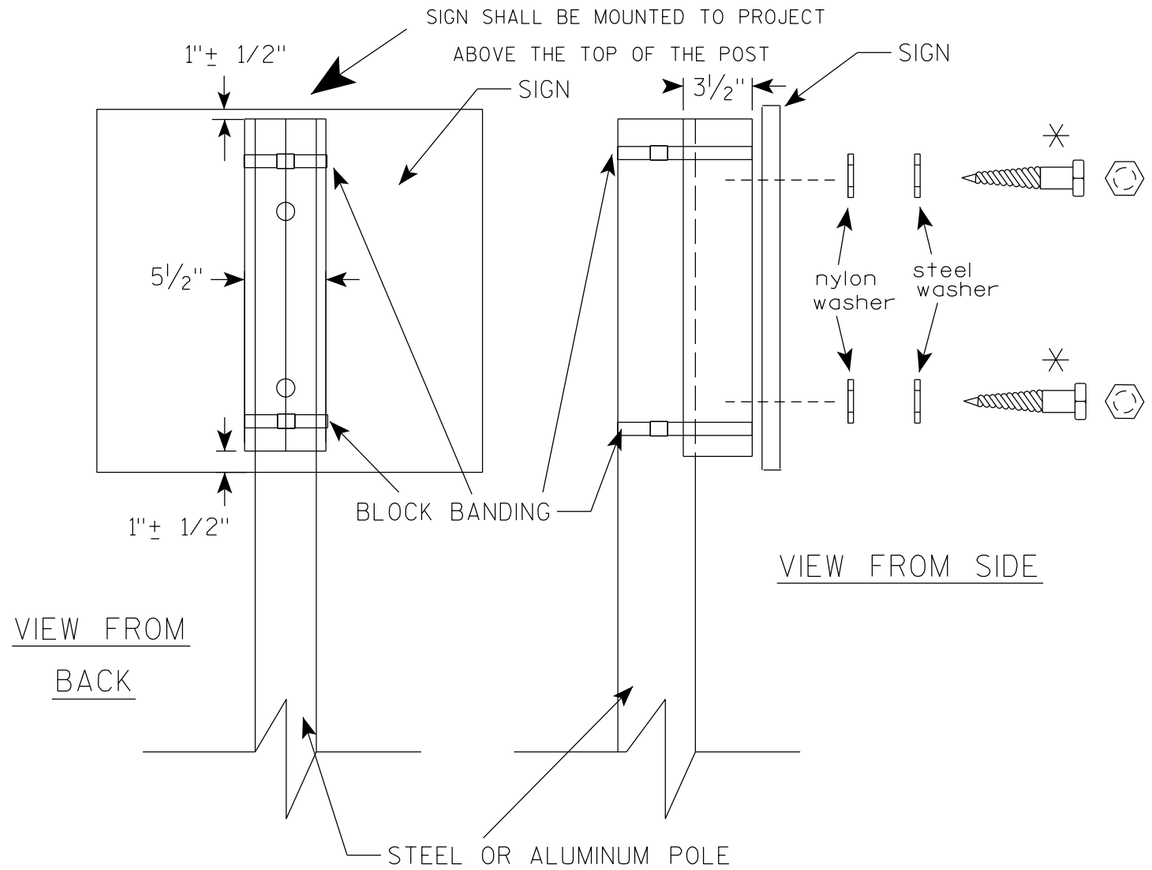
DATE 6/10/19 PLATE NO. A5-9.4

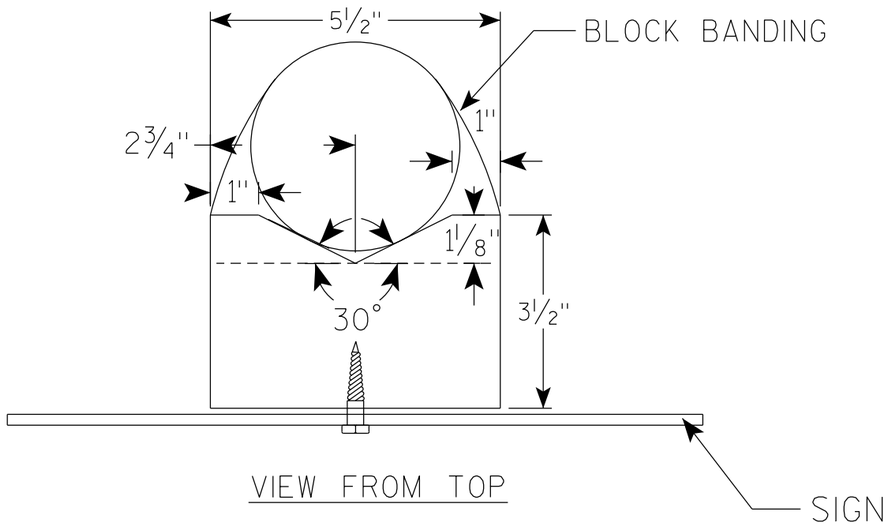
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 945	E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\A59.dgn PLOT DATE : 10-JUN 2019 4:10 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

7

7





GENERAL NOTES

1. WOOD 4"X6" POST MATERIAL SHALL CONFORM TO 507.2.2 OF THE WisDOT STANDARD SPECIFICATIONS
2. BLOCK BANDING AND CLIPS SHALL BE STAINLESS STEEL, ¾" WIDTH AND 0.025" THICKNESS
3. SIGNS 3' OR GREATER IN HEIGHT SHALL UTILIZE 3 BLOCK BANDS. SIGNS UNDER 3' IN HEIGHT SHALL UTILIZE 2 BLOCK BANDS
4. ACTUAL NUMBER OF FASTENERS PER SIGN VARIES WITH THE SIGN AREA, BUT NORNALLY THERE ARE TWO. FOR SIGNS GREATER THAN 9 S.F. 3 FASTENERS SHALL BE USED.
5. ALL SIGN MOUNTING BOLTS AND WASHERS SHALL BE EITHER:
   a. Hot dip or mechanically galvanized in accordance with ASTM Designation: A 153, Class D
   b. Electro-galvanized in accordance with ASTM Designation : B 633, TYPE III, SC 3
6. ALL BOLTS SHALL HAVE HEXAGONAL HEADS.
7. STEEL WASHERS SHALL BE 1¼" O.D. X ⅜" I.D. X 1/16"
8. NYLON WASHERS SHALL BE 1¼" O.D. X ⅜" I.D. X .080 FOR TYPE H OR TYPE F FACE SIGN

✳ LAG BOLTS SHALL BE ⅜" X 2½"

BLOCK BANDING DETAIL (V-BLOCK OPTION)

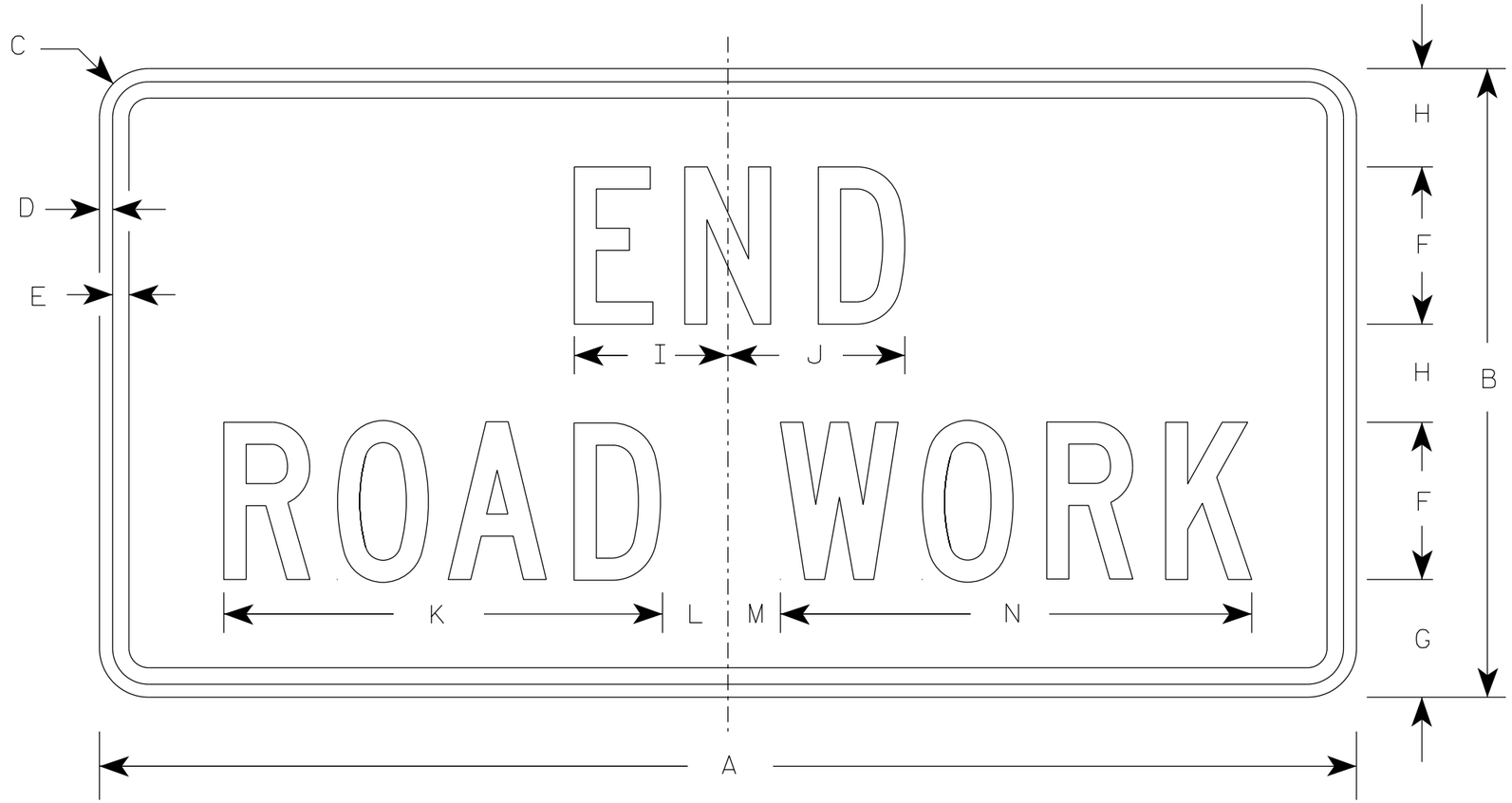
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/19/2022 PLATE NO. A5-10.3

PROJECT NO:

SHEET NO: 946 E



G20-2A

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36	18	1 1/2	3/8	1/2	4	3 3/4	2 1/2	4 1/8	4 1/8	11 1/8	2	1	12 1/8													4.5
2	48	24	1 7/8	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0
2M	48	24	1 7/8	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0
3	48	24	1 7/8	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0
4	48	24	1 7/8	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0
5	48	24	1 7/8	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0

STANDARD SIGN

G20-2A

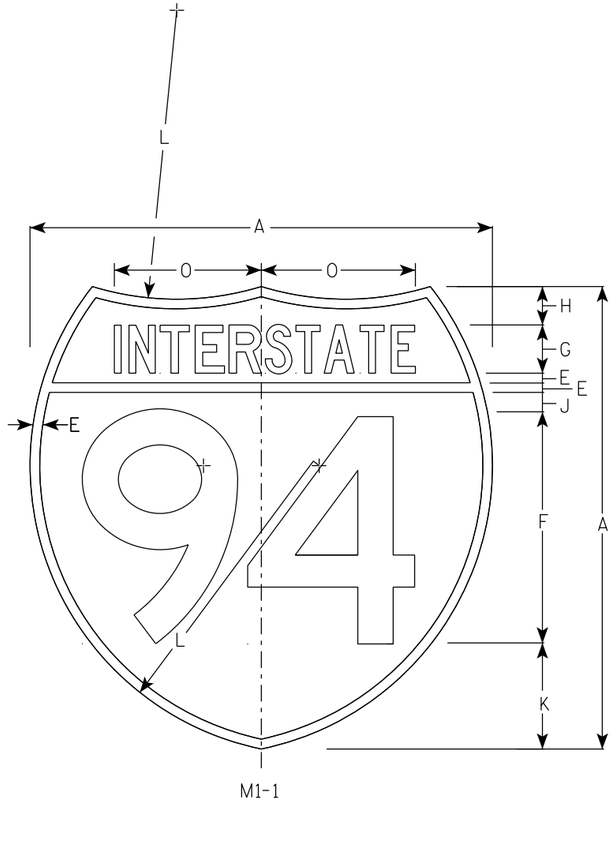
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

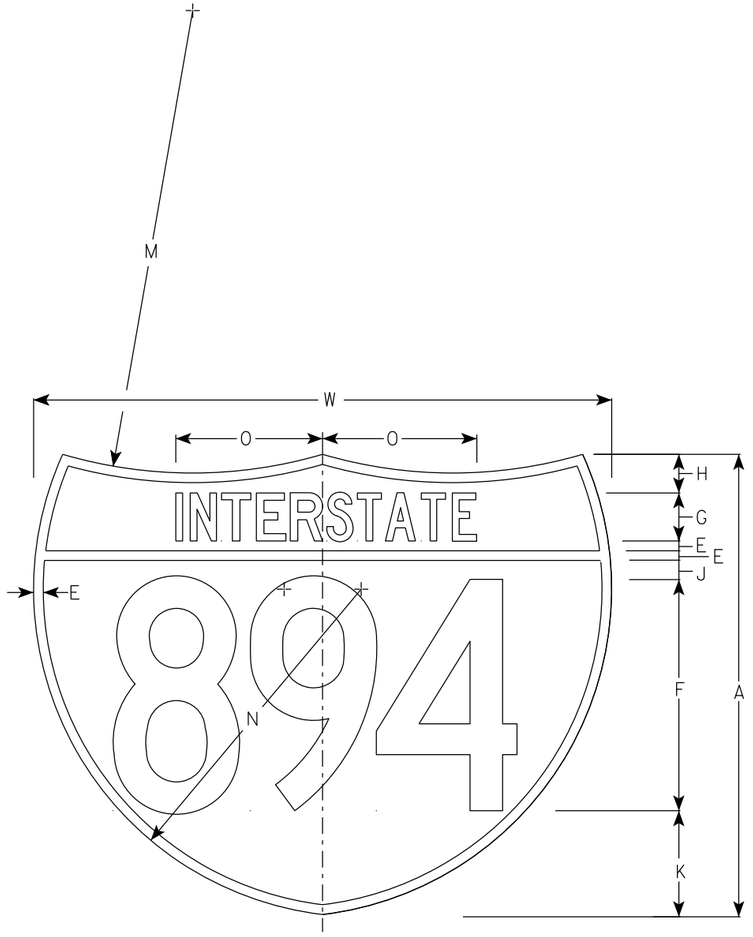
DATE 1/26/2023 PLATE NO. G20-2A.10

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 947 E

7



M1-1



M1-1A

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - Top Red - Bottom Blue
   Message - White
3. Message Series - See note 5
4. Substitute appropriate numerals & ajust spacing as per plate A10-1.
5. M1-1 - Numerals - D
   Interstate - C
   M1-1A - All copy - C

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	M1-1 Area sq. ft.	M1-1A Area sq. ft.
1																											
2	24				1/2	12	2 1/2	2		1	5 1/2	15	24	17	7 7/8								30			3.13	3.91
2M	24				1/2	12	2 1/2	2		1	5 1/2	15	24	17	7 7/8								30			3.13	3.91
3	36				3/4	18	3 3/4	3		1 1/2	8 1/4	22 1/2	36	25 1/2	11 3/4								45			7.03	8.79
4	36				3/4	18	3 3/4	3		1 1/2	8 1/4	22 1/2	36	25 1/2	11 3/4								45			7.03	8.79
5	36				3/4	18	3 3/4	3		1 1/2	8 1/4	22 1/2	36	25 1/2	11 3/4								45			7.03	8.79

INTERSTATE ROUTE MARKER
M1-1 FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

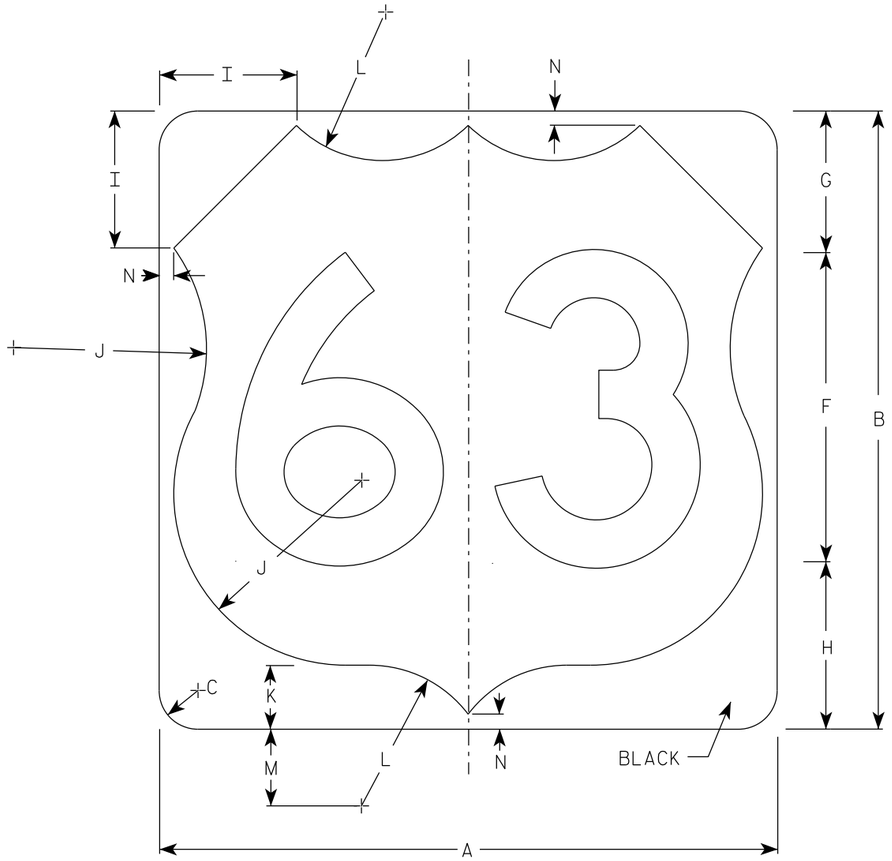
APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 11/7/2022 PLATE NO. M1-1.9

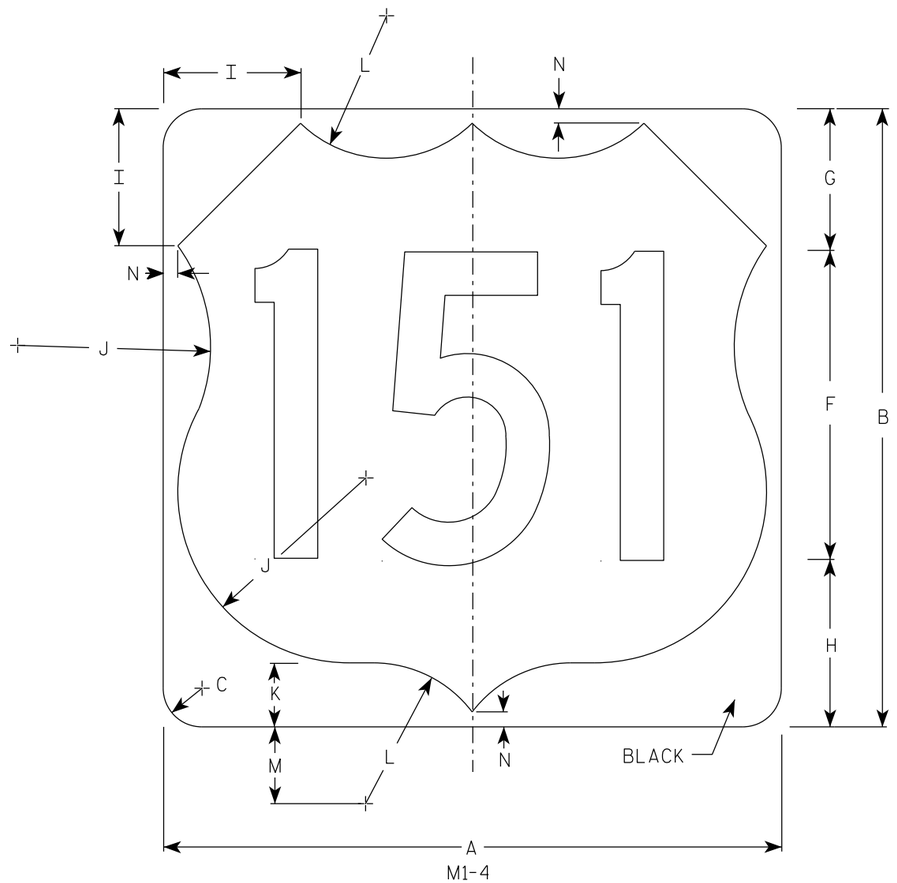
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 948 | E

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D except 3 number signs Series C



M1-4



M1-4

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24	24	1 1/2			12	5 1/2	6 1/2	5	7 1/2	2 1/2	5 1/2	3	1/2													4.0
2M	24	24	1 1/2			12	5 1/2	6 1/2	5	7 1/2	2 1/2	5 1/2	3	1/2													4.0
3	36	36	2 1/4			18	8 1/4	9 1/4	7 1/4	11 1/4	3 3/4	8 1/4	4 1/2	3/4													9.0
4	36	36	2 1/4			18	8 1/4	9 1/4	7 1/4	11 1/4	3 3/4	8 1/4	4 1/2	3/4													9.0
5	36	36	2 1/4			18	8 1/4	9 1/4	7 1/4	11 1/4	3 3/4	8 1/4	4 1/2	3/4													9.0

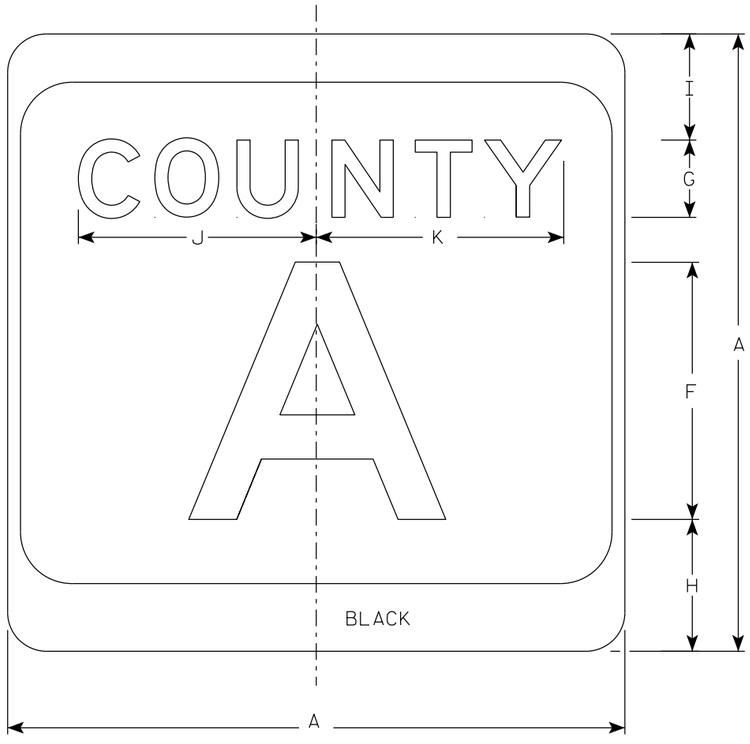
USH MARKER
M1-4 FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

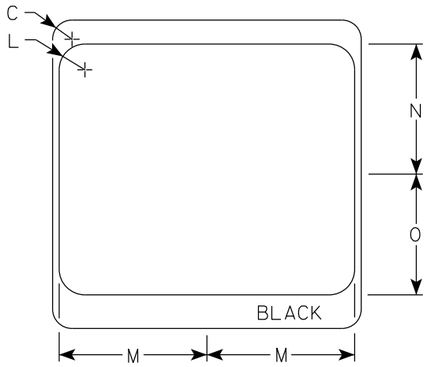
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/20/22 PLATE NO. M1-4.11

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 949 E

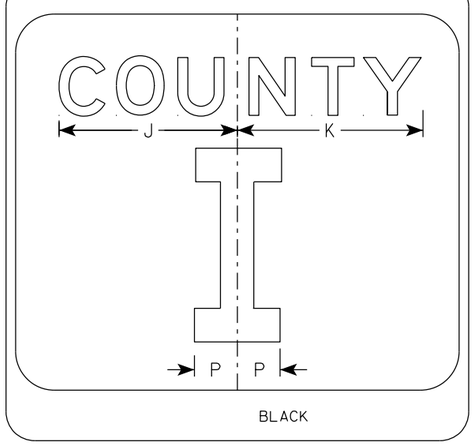


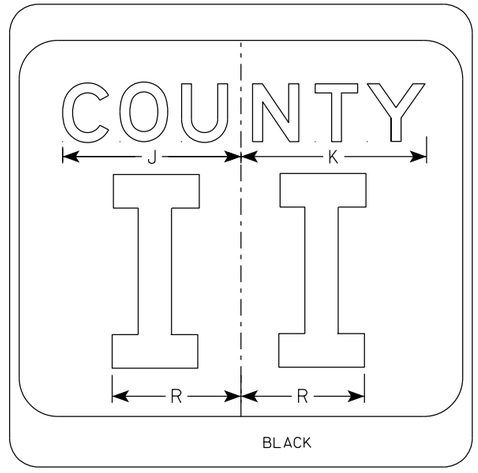
M1-5A



NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White & Black
   Message - Black
3. Message Series - see Note 4
4. Message Series E for 1 letter.
   Message Series D for 2 letters unless message is too big then Series C.
   Message Series C for 3 letters unless message is too big then Series B.
5. Substitute appropriate letters & optically center to achieve proper balance.





SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24		1 1/2			10	3	5 1/8	4 1/8	9 1/4	9 5/8	2	11 1/2	10 1/8	9 3/8	2 1/4		6 5/8									4.0
2M	24		1 1/2			10	3	5 1/8	4 1/8	9 1/4	9 5/8	2	11 1/2	10 1/8	9 3/8	2 1/4		6 5/8									4.0
3	36		2 1/4			16	4	7 5/8	5 5/8	12 1/4	12 7/8	3	17 1/8	15 1/4	14	3 3/8		10									9.0
4	36		2 1/4			16	4	7 5/8	5 5/8	12 1/4	12 7/8	3	17 1/8	15 1/4	14	3 3/8		10									9.0
5	36		2 1/4			16	4	7 5/8	5 5/8	12 1/4	12 7/8	3	17 1/8	15 1/4	14	3 3/8		10									9.0

CTH MARKER
M1-5A FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

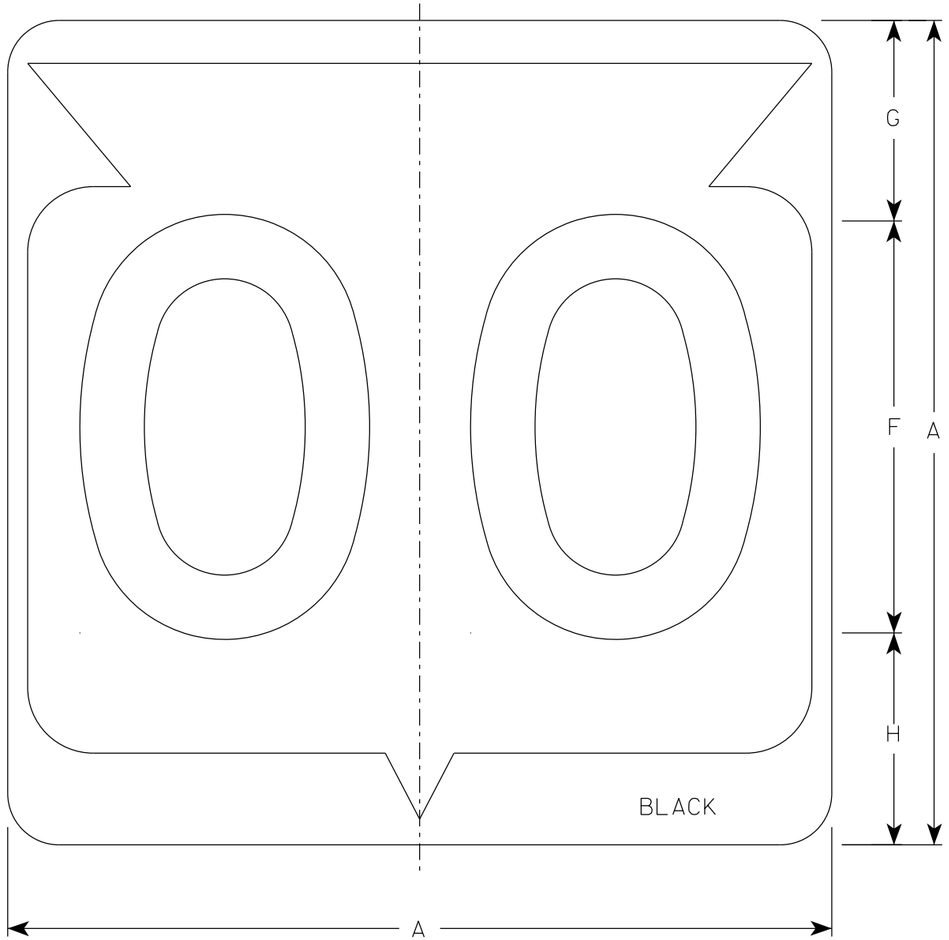
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/8/2022 PLATE NO. M1-5A.9

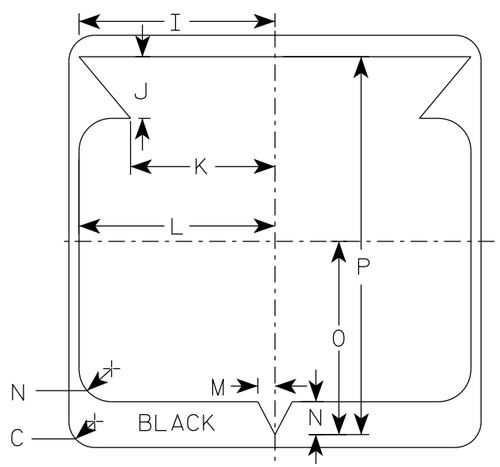
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M15A.dgn PLOT DATE : 8-NOV 2022 8:26 PLOT BY : dotc4c PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

7



M1-6



NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D except 3 number signs Series C

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24		1 1/2			12	5 1/2	6 1/2	10 1/4	2 1/2	8 7/8	11 1/2	1	1 7/8	11 1/4	21 7/8											4.0
2M	24		1 1/2			12	5 1/2	6 1/2	10 1/4	2 1/2	8 7/8	11 1/2	1	1 7/8	11 1/4	21 7/8											4.0
3	36		2 1/4			18	8 3/4	9 1/4	15 3/8	5 3/8	12 5/8	17 1/8	1 1/2	2 7/8	16 7/8	33											9.0
4	36		2 1/4			18	8 3/4	9 1/4	15 3/8	5 3/8	12 5/8	17 1/8	1 1/2	2 7/8	16 7/8	33											9.0
5	36		2 1/4			18	8 3/4	9 1/4	15 3/8	5 3/8	12 5/8	17 1/8	1 1/2	2 7/8	16 7/8	33											9.0

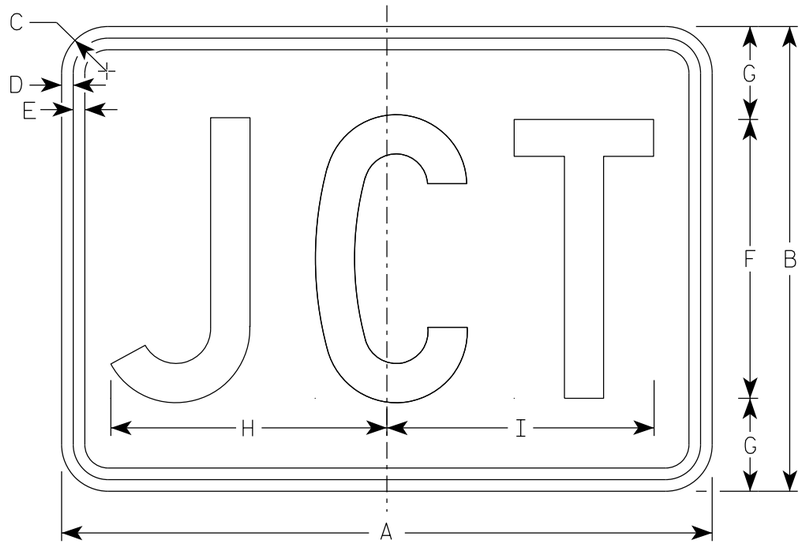
STATE ROUTE MARKER
M1-6 FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

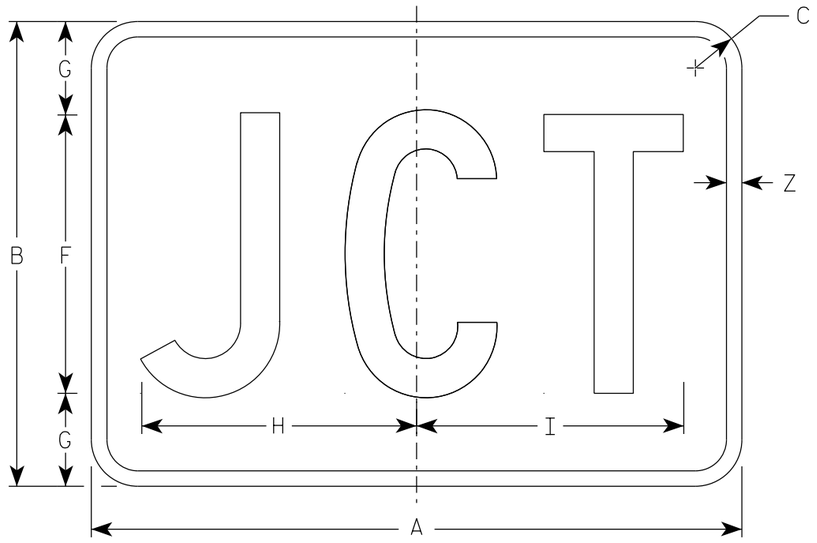
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/8/2022 PLATE NO. M1-6.11

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 951	E



M2-1
MM2-1
MP2-1



MB2-1
MK2-1
MN2-1
MR2-1

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - See note 5
   Message - See note 5
3. Message Series - C
4. M2-1 Background - White
   Message - Black
   MB2-1 Background - Blue
   Message - White
   MK2-1 Background - Green
   Message - White
   MM2-1 Background - White
   Message - Green
   MN2-1 Background - Brown
   Message - White
   MP2-1 Background - White
   Message - Blue
   MR2-1 Background - Brown
   Message - Yellow

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	21	15	1 1/2	3/8	3/8	9	3	8 7/8	8 5/8																	1/2	2.20
2M	21	15	1 1/2	3/8	3/8	9	3	8 7/8	8 5/8																	1/2	2.20
3	30	21	1 1/2	3/8	3/8	13	4	12 7/8	12 3/8																	1/2	4.40
4	30	21	1 1/2	3/8	3/8	13	4	12 7/8	12 3/8																	1/2	4.40
5	30	21	1 1/2	3/8	3/8	13	4	12 7/8	12 3/8																	1/2	4.40

STANDARD SIGN
M2-1

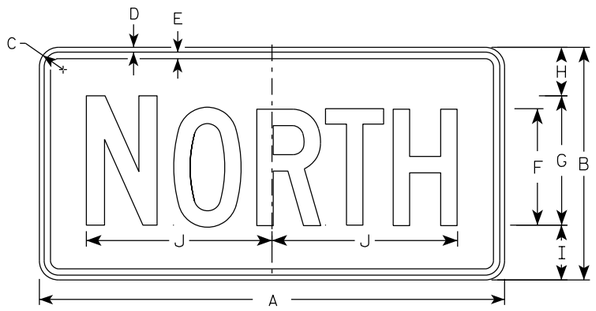
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

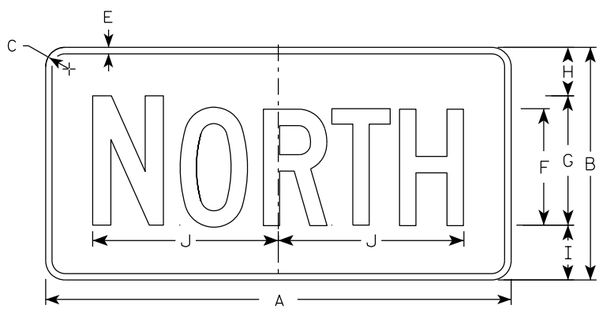
DATE 2/8/2023 PLATE NO. M2-1.14

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 952 | E

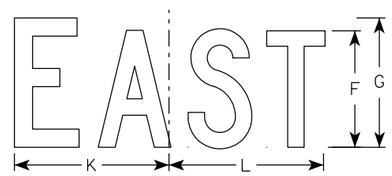
7



M3-1
MM3-1
MP3-1



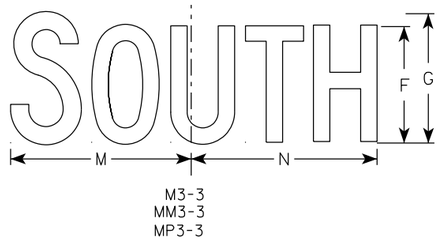
MB3-1
MK3-1
MN3-1



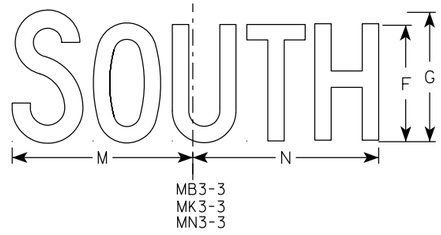
M3-2
MM3-2
MP3-2



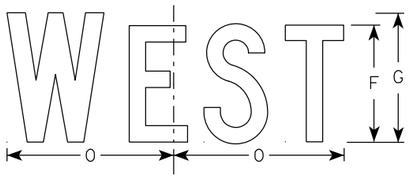
MB3-2
MK3-2
MN3-2



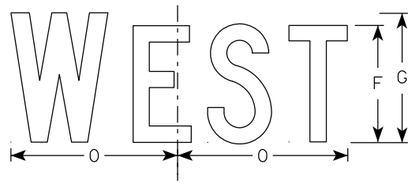
M3-3
MM3-3
MP3-3



MB3-3
MK3-3
MN3-3



M3-4
MM3-4
MP3-4



MB3-4
MK3-4
MN3-4

NOTES

1. All Signs Type II - Type H Reflective
2. Color:
   Background - See note 5
   Message - See note 5
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. M3-1 thru M3-4 Background - White
   Message - Black
   MB3-1 thru MB3-4 Background - Blue
   Message - White
   MK3-1 thru MK3-4 Background - Green
   Message - White
   MM3-1 thru MM3-4 Background - White
   Message - Green
   MN3-1 thru MN3-4 Background - Brown
   Message - White
   MP3-1 thru MP3-4 Background - White
   Message - Blue
6. Note the first letter of each direction is larger than the remainder of the message.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	12	1 1/2	3/8	3/8	6	7	2 1/4	2 3/4	10 1/4	7 7/8	8 3/8	10 1/4	9 3/4	8 3/4												2.00
2M	24	12	1 1/2	3/8	3/8	6	7	2 1/4	2 3/4	10 1/4	7 7/8	8 3/8	10 1/4	9 3/4	8 3/4												2.00
3	36	18	1 1/2	3/8	1/2	9	10	3 3/4	4 1/4	14 3/8	12	12 1/8	14	14 1/8	13												4.5
4	36	18	1 1/2	3/8	1/2	9	10	3 3/4	4 1/4	14 3/8	12	12 1/8	14	14 1/8	13												4.5
5	36	18	1 1/2	3/8	1/2	9	10	3 3/4	4 1/4	14 3/8	12	12 1/8	14	14 1/8	13												4.5

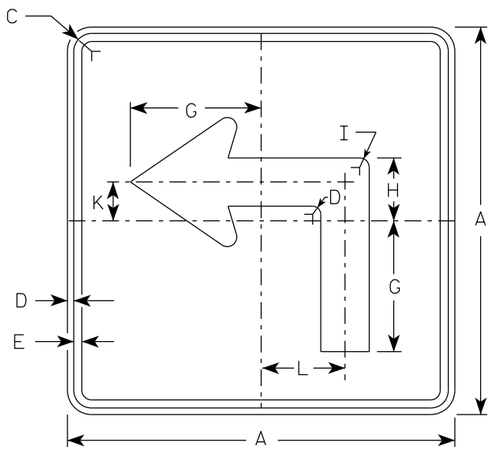
STANDARD SIGNS
M3-1 THRU M3-4
SERIES

WISCONSIN DEPT OF TRANSPORTATION

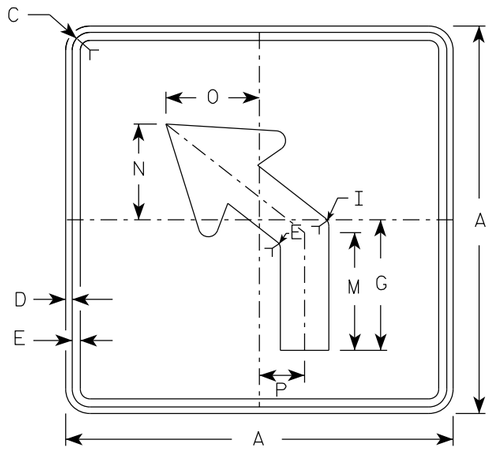
APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 2/8/2023 PLATE NO. M3-1.15

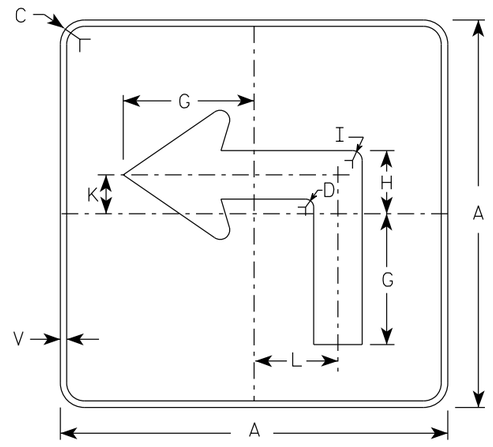
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 953 | E



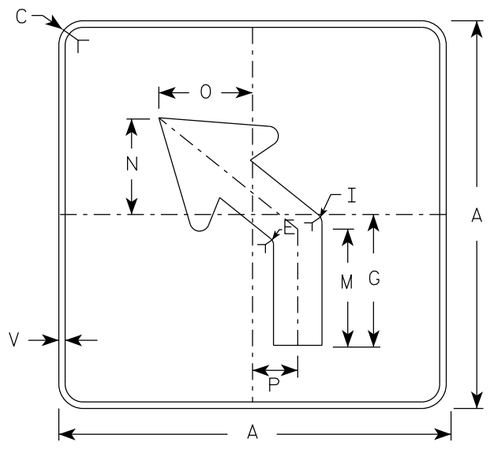
M5-1L
MM5-1L
MO5-1L
MP5-1L



M5-2L
MM5-2L
MO5-2L
MP5-2L



MB5-1L
MK5-1L
MN5-1L
MR5-1L

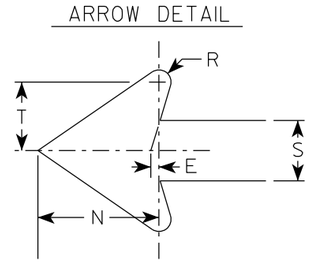


MB5-2L
MK5-2L
MN5-2L
MR5-2L

NOTES

1. Signs are Type II - Type H reflective except as shown
2. Color:
   Background - See note 4
   Message - See note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. M5-1 and M5-2 Background - White
   Message - Black
   MB5-1 and MB5-2 Background - Blue
   Message - White
   MK5-1 and MK5-2 Background - Green
   Message - White
   MM5-1 and MM5-2 Background - White
   Message - Green
   MN5-1 and MN5-2 Background - Brown
   Message - White
   MO5-1 and MO5-2 Background - Orange - Type F Reflective
   Message - Black
   MP5-1 and MP5-2 Background - White
   Message - Blue
   MR5-1 and MR5-2 Background - Brown
   Message - Yellow
5. M5-1R same as M5-1L except arrow points right.
6. M5-2R same as M5-2L except arrow tilts right.

ARROW DETAIL



SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	21		1 1/2	3/8	3/8		7	3 3/8	5/8		2 1/8	4 1/2	6 3/8	5 1/4	5	2 1/2		1/2	2 5/8	3		1/2					3.06
2M	21		1 1/2	3/8	3/8		7	3 3/8	5/8		2 1/8	4 1/2	6 3/8	5 1/4	5	2 1/2		1/2	2 5/8	3		1/2					3.06
3	30		1 7/8	1/2	5/8		10 1/8	4 7/8	7/8		3	6 1/2	9 1/8	7 1/2	7 1/4	3 1/2		3/4	3 3/4	4 1/4		1/2					6.25
4	30		1 7/8	1/2	5/8		10 1/8	4 7/8	7/8		3	6 1/2	9 1/8	7 1/2	7 1/4	3 1/2		3/4	3 3/4	4 1/4		1/2					6.25
5	30		1 7/8	1/2	5/8		10 1/8	4 7/8	7/8		3	6 1/2	9 1/8	7 1/2	7 1/4	3 1/2		3/4	3 3/4	4 1/4		1/2					6.25

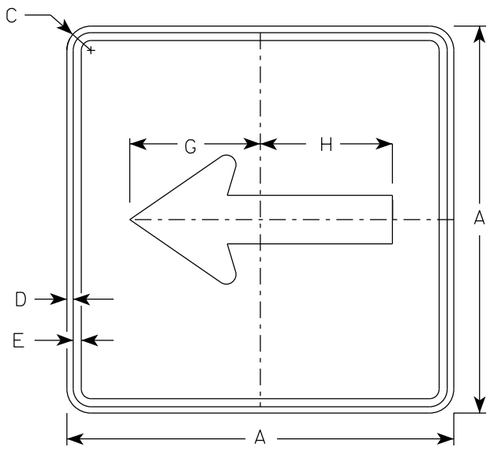
STANDARD SIGN
M5-1 & M5-2

WISCONSIN DEPT OF TRANSPORTATION

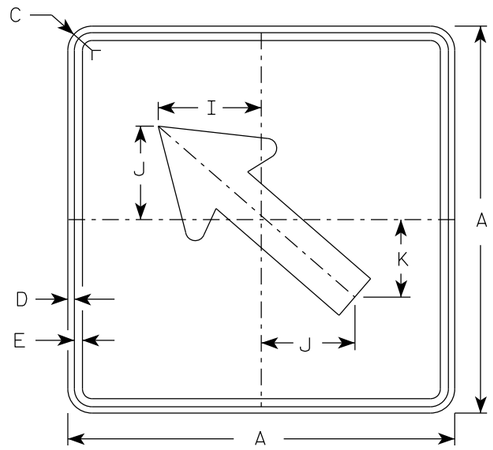
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/13/2023 PLATE NO. M5-1.15

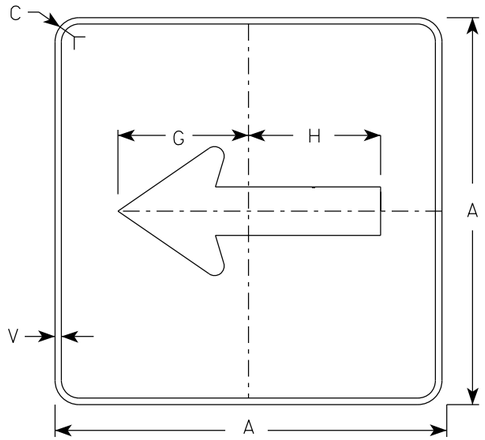
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 954 | E



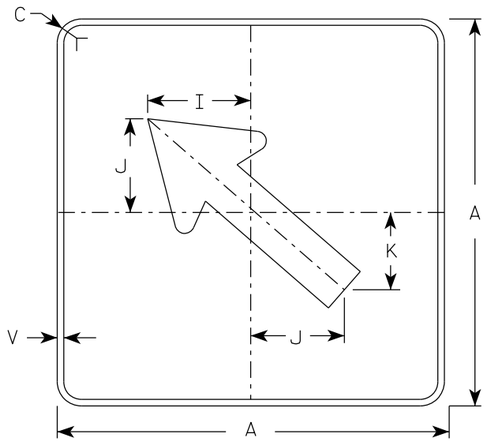
M6-1
MM6-1
MO6-1
MP6-1



M6-2
MM6-2
MO6-2
MP6-2



MB6-1
MK6-1
MN6-1
MR6-1

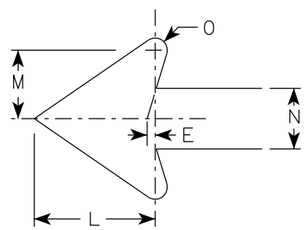


MB6-2
MK6-2
MN6-2
MR6-2

NOTES

1. Signs are Type II - Type H Reflective except as Shown
2. Color:
   Background - See note 4
   Message - See note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. M6-1 and M6-2 Background - White
   Message - Black
   MB6-1 and MB6-2 Background - Blue
   Message - White
   MK6-1 and MK6-2 Background - Green
   Message - White
   MM6-1 and MM6-2 Background - White
   Message - Green
   MN6-1 and MN6-2 Background - Brown
   Message - White
   MO6-1 and MO6-2 Background - Orange - Type F Reflective
   Message - Black
   MP6-1 and MP6-2 Background - White
   Message - Blue
   MR6-1 and MR6-2 Background - Brown
   Message - Yellow

ARROW DETAIL



SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	21		1 1/2	3/8	3/8		7 1/2	7 1/8	5 5/8	5	4 1/4	5 1/4	3	2 5/8	1/2							1/2					3.06
2M	21		1 1/2	3/8	3/8		7 1/2	7 1/8	5 5/8	5	4 1/4	5 1/4	3	2 5/8	1/2							1/2					3.06
3	30		1 7/8	1/2	5/8		10 3/4	10 1/4	8	7 1/4	6	7 1/2	4 1/4	3 3/4	3/4							1/2					6.25
4	30		1 7/8	1/2	5/8		10 3/4	10 1/4	8	7 1/4	6	7 1/2	4 1/4	3 3/4	3/4							1/2					6.25
5	30		1 7/8	1/2	5/8		10 3/4	10 1/4	8	7 1/4	6	7 1/2	4 1/4	3 3/4	3/4							1/2					6.25

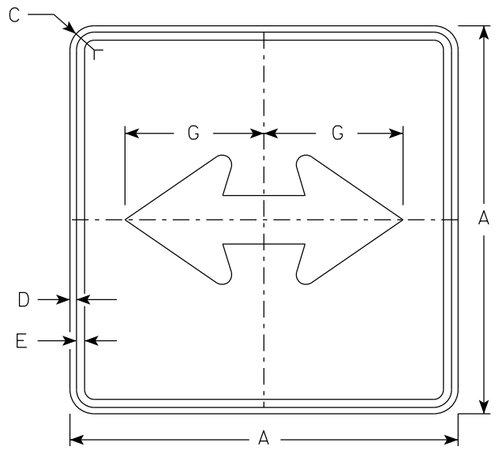
STANDARD SIGN M6-1 & M6-2 SERIES

WISCONSIN DEPT OF TRANSPORTATION

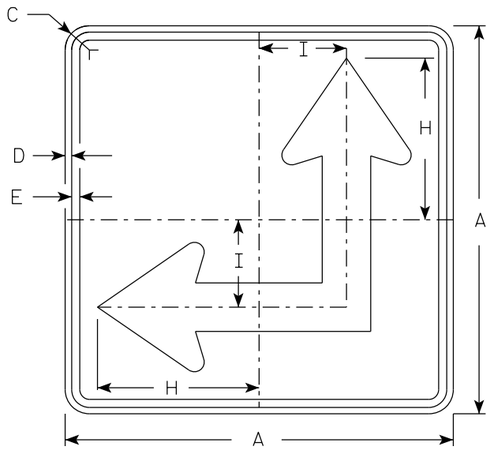
APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 2/13/2023 PLATE NO. M6-1.16

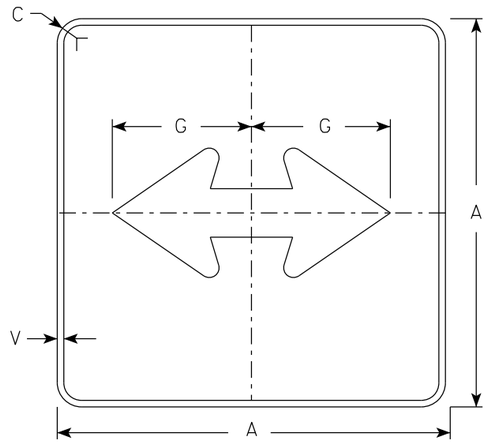
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 955 | E



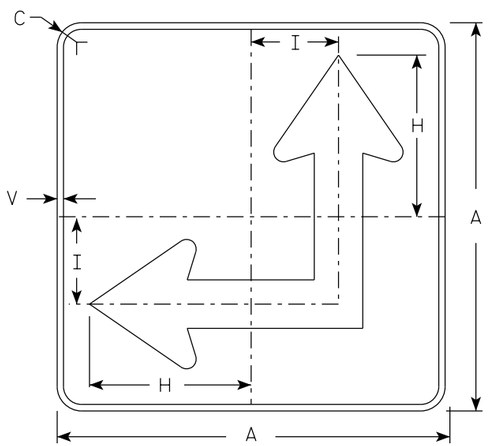
M6-4
MM6-4
MO6-4
MP6-4



M6-6
MM6-6
MO6-6
MP6-6



MB6-4
MK6-4
MN6-4
MR6-4

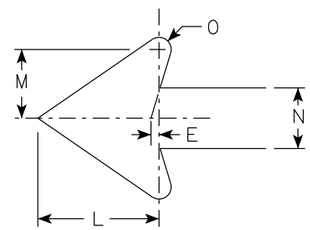


MB6-6
MK6-6
MN6-6
MR6-6

NOTES

1. Signs are Type II - Type H Reflective except as Shown
2. Color:
   Background - See Note 4
   Message - See Note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. M6-4 and M6-6 Background - White
   Message - Black
   MB6-4 and MB6-6 Background - Blue
   Message - White
   MK6-4 and MK6-6 Background - Green
   Message - White
   MM6-4 and MM6-6 Background - White
   Message - Green
   MN6-4 and MN6-6 Background - Brown
   Message - White
   MO6-4 and MO6-6 Background - Orange - Type F Reflective
   Message - Black
   MP6-4 and MP6-6 Background - White
   Message - Blue
   MR6-4 and MR6-6 Background - Brown
   Message - Yellow
5. M6-6R same as M6-6L except arrow points ahead and right.

ARROW DETAIL



SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	21		1 1/2	3/8	3/8		7 1/2	8 3/4	4 1/4			5 1/4	3	2 5/8	1/2							1/2					3.06
2M	21		1 1/2	3/8	3/8		7 1/2	8 3/4	4 1/4			5 1/4	3	2 5/8	1/2							1/2					3.06
3	30		1 7/8	1/2	5/8		10 3/4	12 1/2	6 3/4			7 1/2	4 1/4	3 3/4	3/4							1/2					6.25
4	30		1 7/8	1/2	5/8		10 3/4	12 1/2	6 3/4			7 1/2	4 1/4	3 3/4	3/4							1/2					6.25
5	30		1 7/8	1/2	5/8		10 3/4	12 1/2	6 3/4			7 1/2	4 1/4	3 3/4	3/4							1/2					6.25

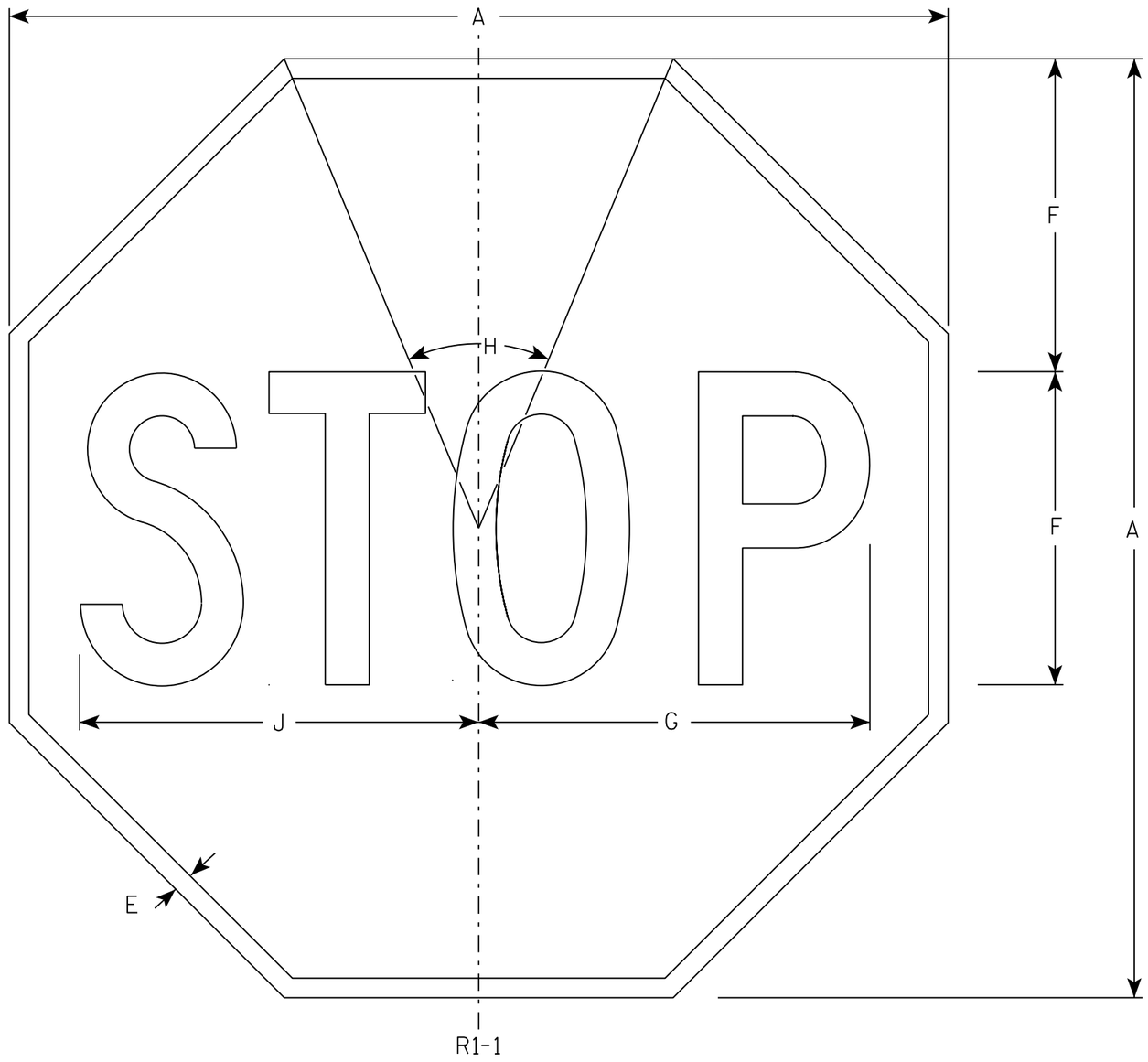
STANDARD SIGN
M6-4 & M6-6
SERIES

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/13/2023 PLATE NO. M6-4.11

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 956 | E



NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Red
   Message - White
3. Message Series - C

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30				5/8	10	12 1/2	45°		12 3/4																	5.18
2S	30				5/8	10	12 1/2	45°		12 3/4																	5.18
2M	36				3/4	12	15	45°		15 3/8																	7.46
3	36				3/4	12	15	45°		15 3/8																	7.46
4	48				1	16	20	45°		20 1/2																	13.25
5	48				1	16	20	45°		20 1/2																	13.25
6	18				3/8	6	7 3/4	45°		7 3/4																	1.86
7	12				1/4	4	5	45°		5 1/8																	0.78

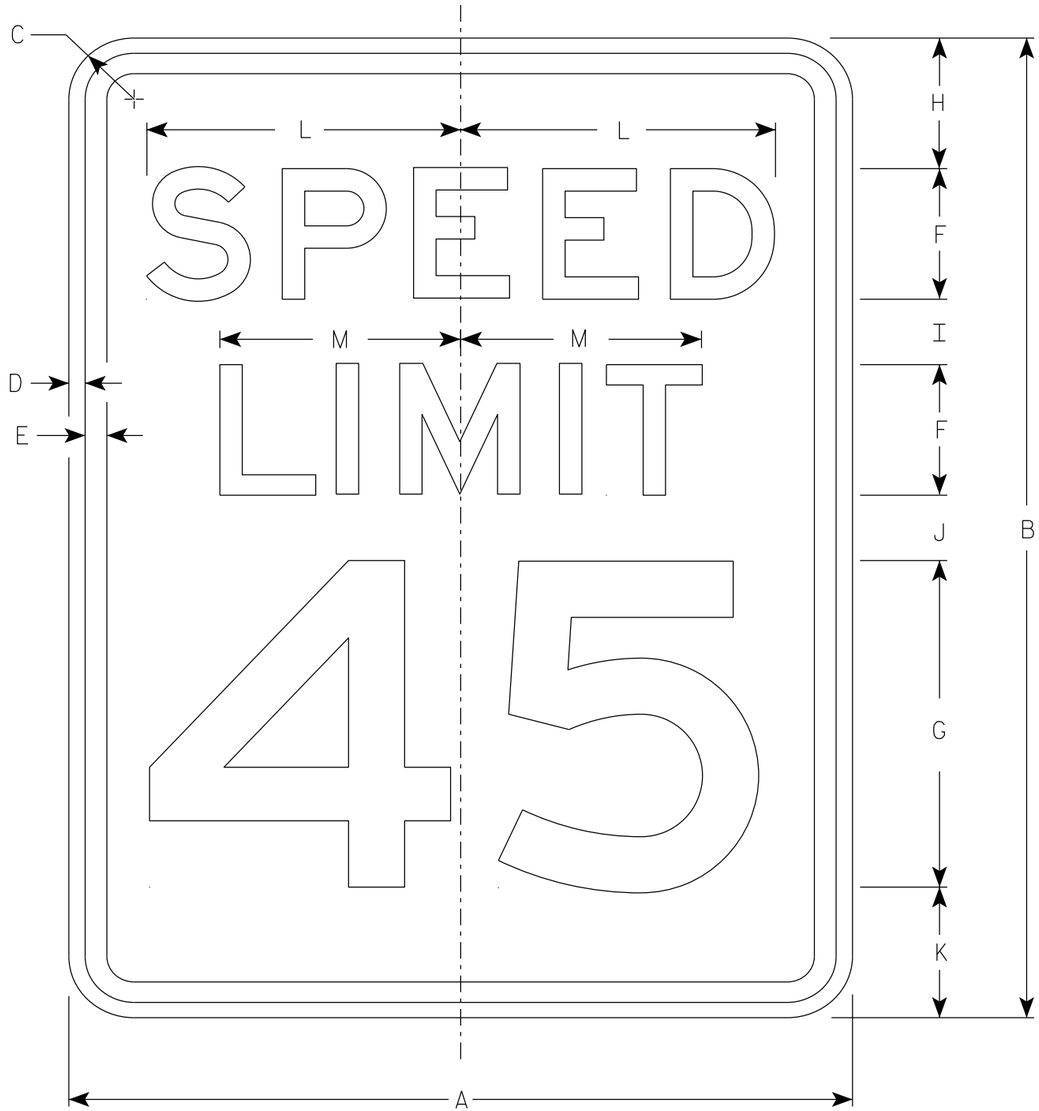
STANDARD SIGN
R1-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/12/15 PLATE NO. R1-1.13

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 957	E



R2-1

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - E
4. Substitute appropriate numerals and optically adjust spacing to achieve proper balance.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	18	24	1 1/2	3/8	1/2	3	8	3	2	2	3	7 1/4	5 1/2														3.0
2S	24	30	1 1/2	3/8	1/2	4	10	3	2 1/4	3 3/8	3 3/8	9 5/8	7 3/8														5.0
2M	30	36	1 7/8	1/2	5/8	5	12	5	2 1/2	2 1/2	4	12	9 1/4														7.5
3	36	48	1 7/8	1/2	5/8	6	14	6	5	5	6	14 3/8	11														12.0
4	36	48	1 7/8	1/2	5/8	6	14	6	5	5	6	14 3/8	11														12.0
5	48	60	3	3/4	1	8	20	6	4 1/2	6 3/4	6 3/4	19 1/4	14 5/8														20.0

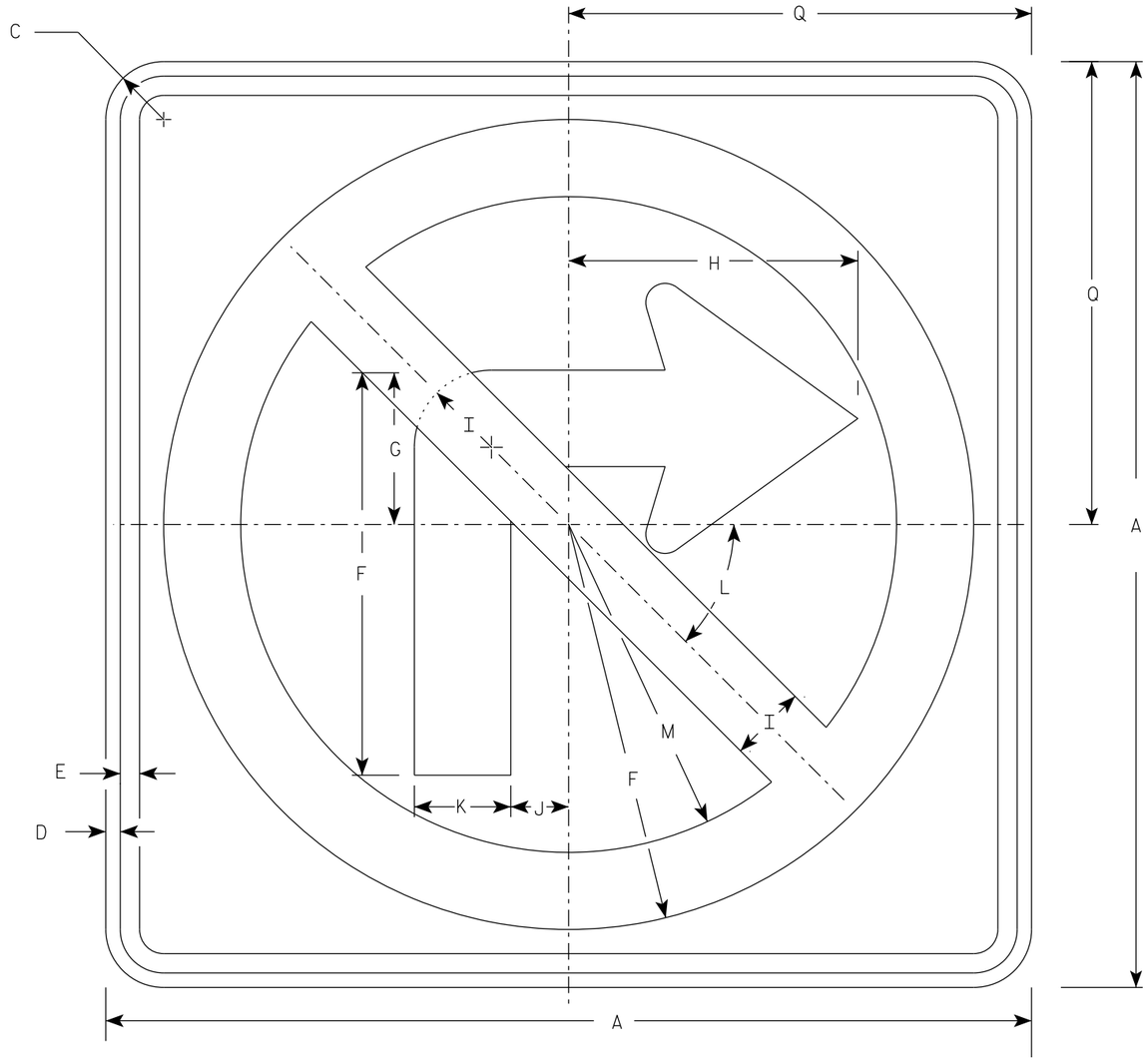
STANDARD SIGN
R2-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/1/23 PLATE NO. R2-1.14

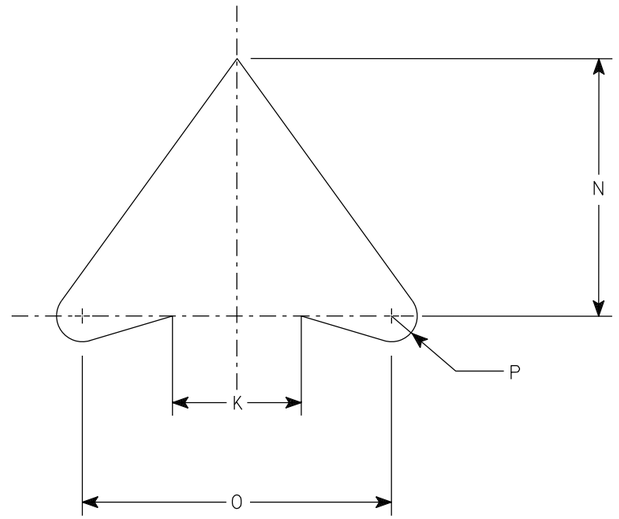
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 958 | E



R3-1

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - See note 3
3. Border & Arrow are non reflective black, the circle with diagonal bar is reflective red.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24		1 ½	⅜	½	10 ½	4	7 ½	2	1 ½	2 ½	45	8 ½	5	6	½	12										4.0
2S	24		1 ½	⅜	½	10 ½	4	7 ½	2	1 ½	2 ½	45°	8 ½	5	6	½	12										4.0
2M	36		2 ¼	⅝	¾	15 ¾	6	11 ¼	3	2 ¼	3 ¾	45	12 ¾	7 ½	9	¾	18										9.0
3	36		2 ¼	⅝	¾	15 ¾	6	11 ¼	3	2 ¼	3 ¾	45	12 ¾	7 ½	9	¾	18										9.0
4	36		2 ¼	⅝	¾	15 ¾	6	11 ¼	3	2 ¼	3 ¾	45°	12 ¾	7 ½	9	¾	18										9.0
5	48		2 ¼	¾	1	21	8	15	4	3	5	45°	17	10	12	1	24										16.0

STANDARD SIGN
R3-1

WISCONSIN DEPT OF TRANSPORTATION

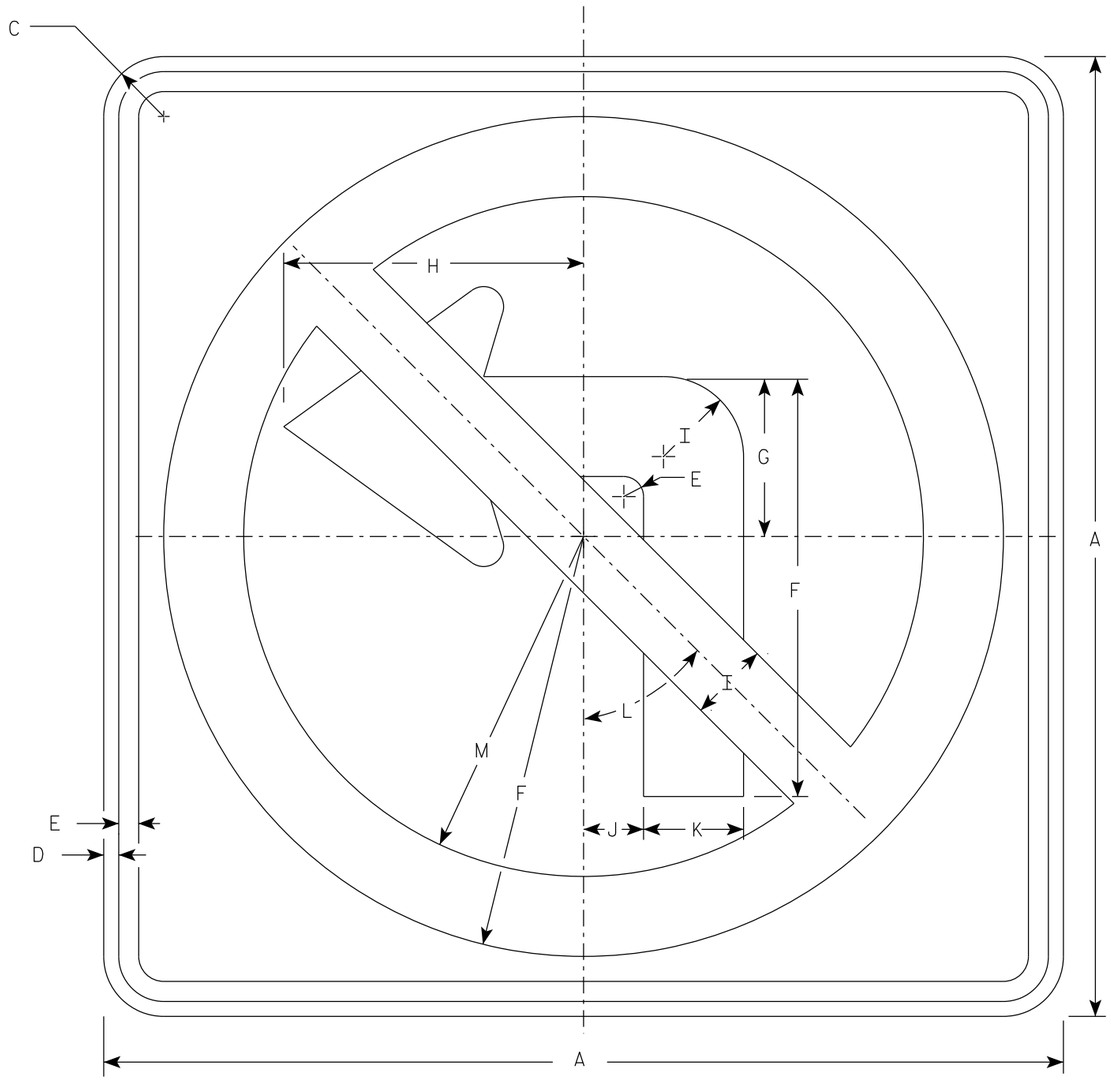
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/2/23 PLATE NO. R3-1.6

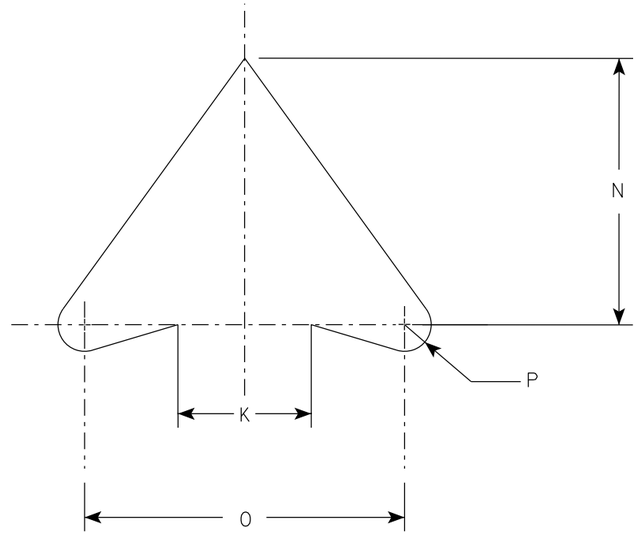
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 959 | E

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - See note 3
3. Border & Arrow are non reflective black, the circle with diagonal bar is reflective red.



R3-2



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24		1 ½	⅜	½	10 ½	4	7 ½	2	1 ½	2 ½	45°	8 ½	5	6	½											4.0
2S	24		1 ½	⅜	½	10 ½	4	7 ½	2	1 ½	2 ½	45°	8 ½	5	6	½											4.0
2M	36		2 ¼	⅝	¾	15 ¾	6	11 ¼	3	2 ¼	3 ¾	45°	12 ¾	7 ½	9	¾											9.0
3	36		2 ¼	⅝	¾	15 ¾	6	11 ¼	3	2 ¼	3 ¾	45°	12 ¾	7 ½	9	¾											9.0
4	36		2 ¼	⅝	¾	15 ¾	6	11 ¼	3	2 ¼	3 ¾	45°	12 ¾	7 ½	9	¾											9.0
5	48		2 ¼	¾	1	21	8	15	4	3	5	45°	17	10	12	1											16.0

STANDARD SIGN
R3-2

WISCONSIN DEPT OF TRANSPORTATION

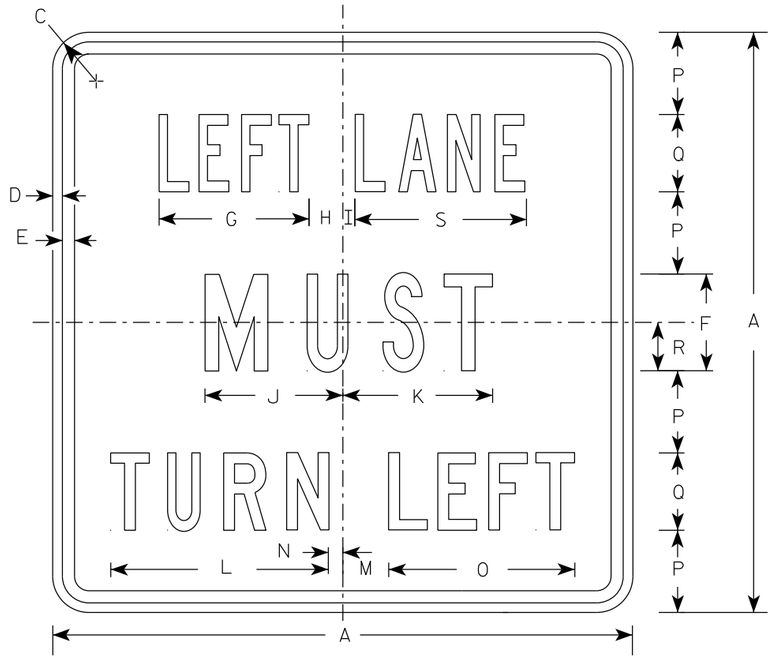
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/2/23 PLATE NO. R3-2.11

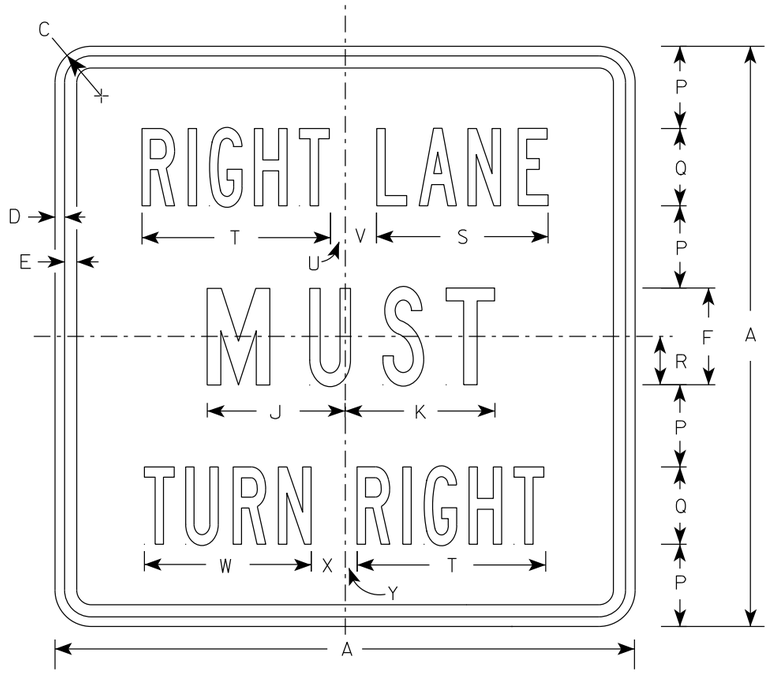
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 960 | E

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - Line 1 is Series B.
   Line 2 is Series C.
   Line 3 on plate R3-7R is Series B and Series C on plate R3-7L.



R3-7L



R3-7R

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30		1 7/8	1/2	5/8	5	7 3/4	1 3/4	5/8	7 1/8	7 3/4	11 1/4	2 3/8	3/4	9 5/8	4 1/4	4	2 1/2	8 7/8	9 3/4	3/4	1 5/8	8 5/8	1 5/8	5/8		6.25
2S	30		1 7/8	1/2	5/8	5	7 3/4	1 3/4	5/8	7 1/8	7 3/4	11 1/4	2 3/8	3/4	9 5/8	4 1/4	4	2 1/2	8 7/8	9 3/4	3/4	1 5/8	8 5/8	1 5/8	5/8		6.25
2M	30		1 7/8	1/2	5/8	5	7 3/4	1 3/4	5/8	7 1/8	7 3/4	11 1/4	2 3/8	3/4	9 5/8	4 1/4	4	2 1/2	8 7/8	9 3/4	3/4	1 5/8	8 5/8	1 5/8	5/8		6.25
3	36		2 1/4	5/8	3/4	6	9 5/8	2	1 1/8	8 3/4	9	13 1/2	3 7/8	1 1/2	12 1/2	5	5	3	10 5/8	12	7/8	2 1/4	10 5/8	2 1/8	1		9.00
4	48		2 1/4	3/4	1	8	13 1/2	2 3/8	1 1/2	11 1/2	11 7/8	17 3/4	3 5/8	2 1/2	16 3/8	6 1/2	7	4	14 3/8	16 7/8	5/8	3 1/4	15 1/8	2 3/4	1 1/8		16.00
5																											

STANDARD SIGN
R3-7L & R3-7R

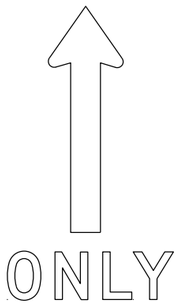
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/13/23 PLATE NO. R3-7.4

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 961 | E

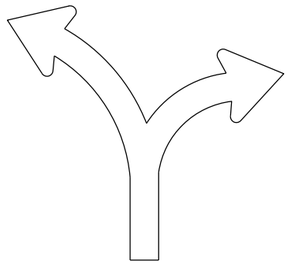
7

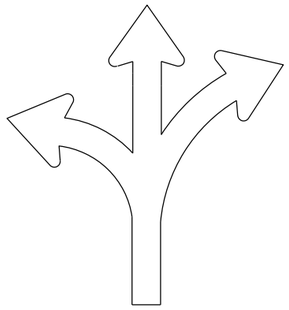


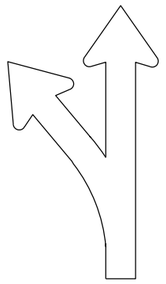
(A)

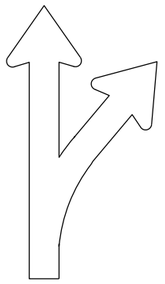


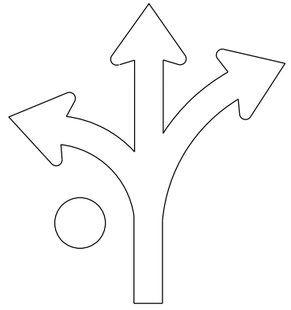
(B)

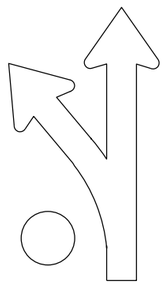

(C)

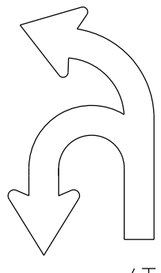

(D)

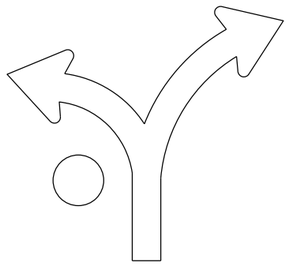

(E)

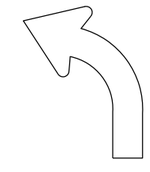

(F)


(G)

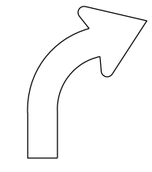

(H)


(I)


(J)



(L)



(R)

NOTES

1. Sigs are Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D
4. Use appropriate Letter for Sign Code
   Each letter added makes sign wider. Example R3-8EAR
5. Square footage of sign varies by letters

1 Letter =	3.75 sq ft	for Size 2
	6.0 sq ft	for Size 3
	10.0 sq ft	for Size 4 or 5
2 Letters =	7.5 sq ft	for Size 2
	12.0 sq ft	for Size 3
	20.0 sq ft	for Size 4 or 5
3 Letters =	11.25 sq ft	for Size 2
	18.0 sq ft	for Size 3
	30.0 sq ft	for Size 4 or 5
4 Letters =	15.0 sq ft	for Size 2
	24.0 sq ft	for Size 3
	40.0 sq ft	for Size 4 or 5
5 Letters =	18.75 sq ft	for Size 2
	30.0 sq ft	for Size 3
	50.0 sq ft	for Size 4 or 5
6 Letters =	22.5 sq ft	for Size 2
	36.0 sq ft	for Size 3
	60.0 sq ft	for Size 4 or 5

6. When letters C,D,G,J are used on the Left or Right end of the sign the Sq. Ft. changes.
   Add the amounts when these letters are used:
   1.25 sq ft for Size 2
   1.5 sq ft for Size 3
   2.0 sq ft for Size 4 or 5

STANDARD SIGN
R3-8 Series

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/14/23 PLATE NO. R3-8.2

PROJECT NO:

SHEET NO: 962 E

FILE NAME : C:\CAEfiles\Projects\stdplate_R38.dgn PLOT DATE : 14-FEB 2023 3:01 PLOT BY : mscj9h PLOT NAME :

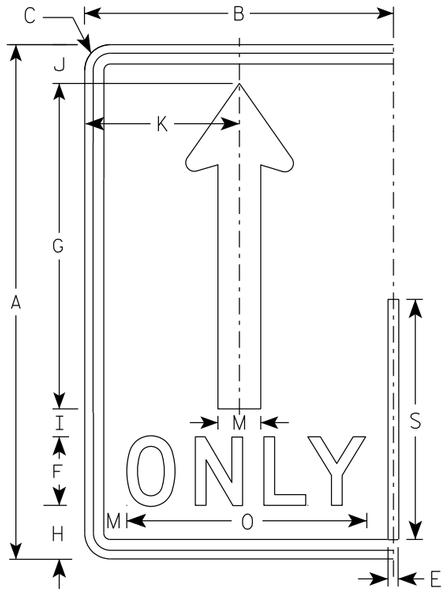
WISDOT/CADDS SHEET 42

7

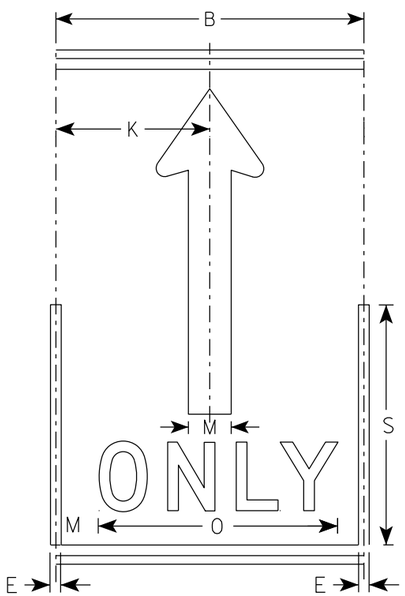
7

NOTES

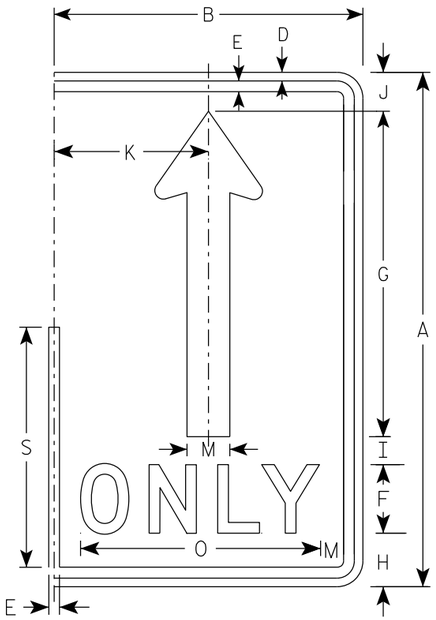
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D



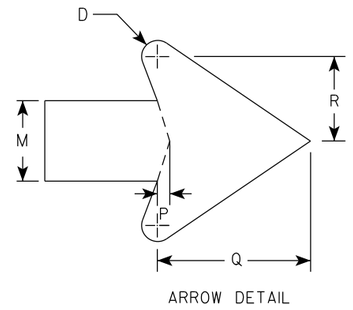
(A)



(A)



(A)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	18	1 1/2	1/2	5/8	4	19	3 1/8	1 5/8	2 1/4	9		2 1/2		14	3/8	4 3/4	2 5/8	14								3.75
2M	30	18	1 1/2	1/2	5/8	4	19	3 1/8	1 5/8	2 1/4	9		2 1/2		14	3/8	4 3/4	2 5/8	14								3.75
3	36	24	1 1/2	1/2	5/8	5	22 3/4	3 3/4	1 3/4	2 3/4	12		3		17 5/8	1/2	5 3/4	3 1/8	16 3/4								6.0
4	48	30	2 1/4	3/4	1	6	30 3/8	5 1/8	2 7/8	3 5/8	15		4		21 3/4	5/8	7 5/8	4 1/4	22 3/8								10.0
5	48	30	2 1/4	3/4	1	6	30 3/8	5 1/8	2 7/8	3 5/8	15		4		21 3/4	5/8	7 5/8	4 1/4	22 3/8								10.0

STANDARD SIGN
R3-8 (A) Arrow

WISCONSIN DEPT OF TRANSPORTATION

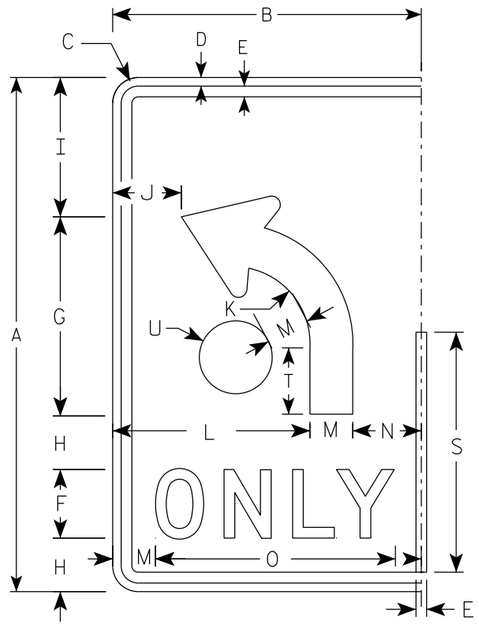
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/14/23 PLATE NO. R3-8.2

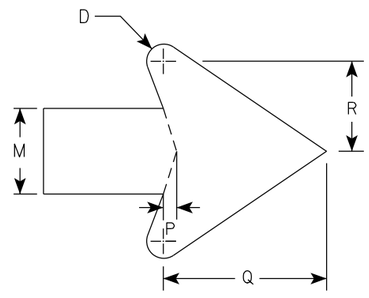
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 963 | E

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
   Message Series - D



(B)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	18	1 1/2	1/2	5/8	4	11 5/8	3 1/8	8 1/8	4	4 1/2	11 1/2	2 1/2	4	14	3/8	4 3/4	2 5/8	14	3 7/8	2 1/8						3.75
2M	30	18	1 1/2	1/2	5/8	4	11 5/8	3 1/8	8 1/8	4	4 1/2	11 1/2	2 1/2	4	14	3/8	4 3/4	2 5/8	14	3 7/8	2 1/8						3.75
3	36	24	1 1/2	1/2	5/8	5	14	3 1/2	9 3/4	6	5 3/8	15	3	6	17 5/8	1/2	5 3/4	3 1/8	16 3/4	4 5/8	2 1/2						6.0
4	48	30	2 1/4	3/4	1	6	18 5/8	5 1/8	13 1/8	6 1/8	7 1/4	18	4	8	21 3/4	5/8	7 5/8	4 1/4	22 3/8	6 1/4	3 3/8						10.0
5	48	30	2 1/4	3/4	1	6	18 5/8	5 1/8	13 1/8	6 1/8	7 1/4	18	4	8	21 3/4	5/8	7 5/8	4 1/4	22 3/8	6 1/4	3 3/8						10.0

STANDARD SIGN

R3-8 (B) Arrow

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

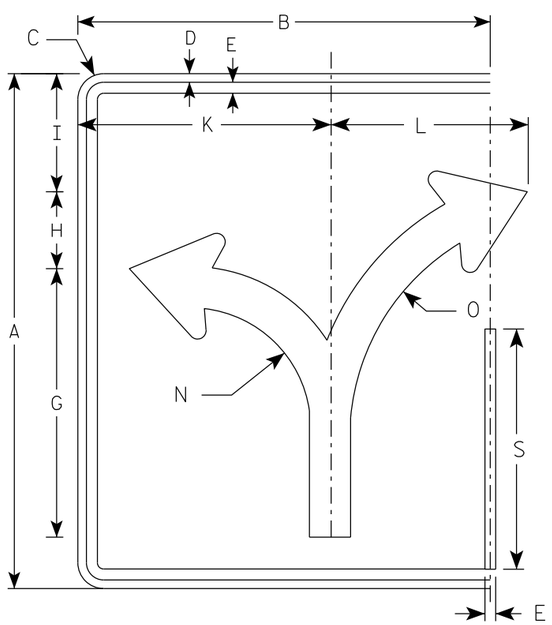
DATE 2/14/23 PLATE NO. R3-8.2

PROJECT NO:

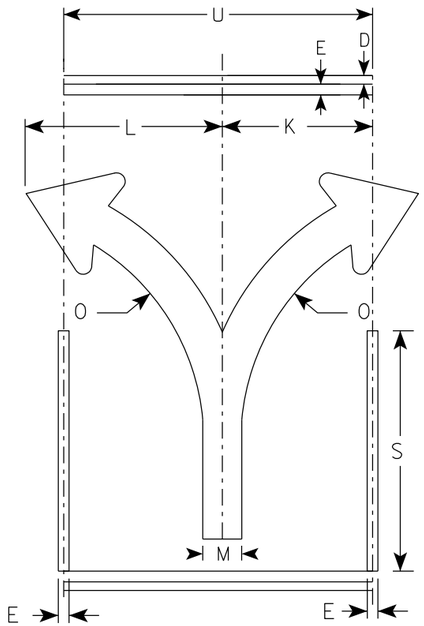
SHEET NO: 964 E

NOTES

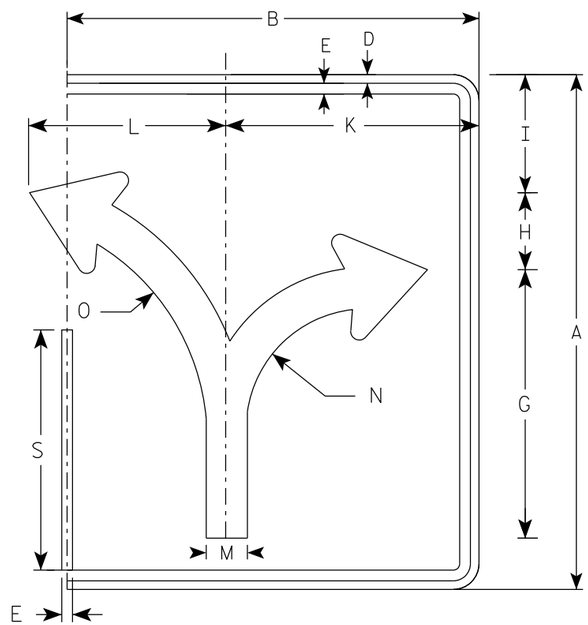
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



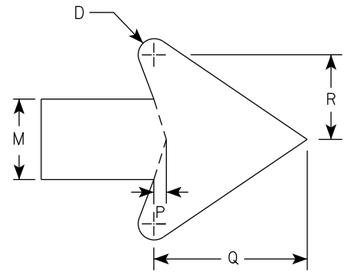
(C)



(C)



(C)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	ENDS Area sq. ft.	MIDDLE Area sq. ft.
1																												
2S	30	24	1 1/2	1/2	5/8		15 5/8	4 1/2	6 7/8		14 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14		18						5.0	3.75
2M	30	24	1 1/2	1/2	5/8		15 5/8	4 1/2	6 7/8		14 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14		18						5.0	3.75
3	36	30	1 1/2	1/2	5/8		18 3/4	5 1/2	8 1/4		17 1/4	17 1/4	2 7/8	8 3/8	16	1/2	5 1/2	3	16 3/4		24						7.5	6.0
4	48	36	2 1/4	3/4	1		24 7/8	7 1/4	11		23 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8		30						12.0	10.0
5	48	36	2 1/4	3/4	1		24 7/8	7 1/4	11		23 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8		30						12.0	10.0

STANDARD SIGN
R3-8 (C) Arrow

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/14/23 PLATE NO. R3-8.2

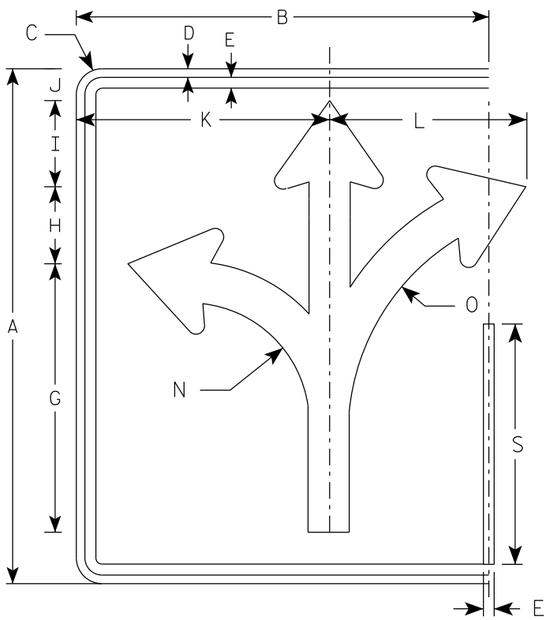
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 965 | E

7

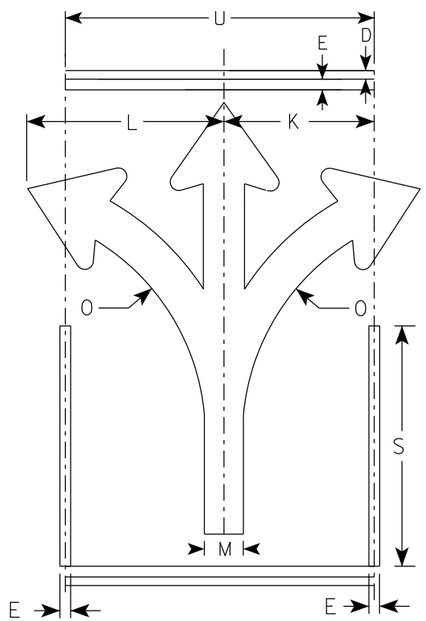
7

NOTES

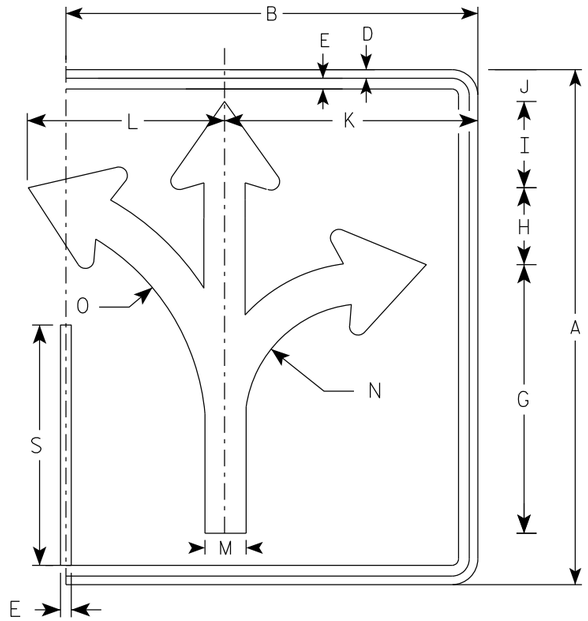
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



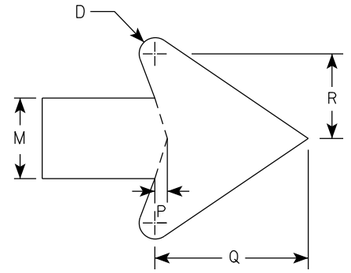
(D)



(D)



(D)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	ENDS Area sq. ft.	MIDDLE Area sq. ft.
1																												
2S	30	24	1 1/2	1/2	5/8		15 5/8	4 1/2	5	1 7/8	14 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14		18						5.0	3.75
2M	30	24	1 1/2	1/2	5/8		15 5/8	4 1/2	5	1 7/8	14 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14		18						5.0	3.75
3	36	30	1 1/2	1/2	5/8		18 3/4	5 1/2	6	2 1/4	17 1/4	17 1/4	2 7/8	8 3/8	16	1/2	5 1/2	3	16 3/4		24						7.5	6.0
4	48	36	2 1/4	3/4	1		24 7/8	7 1/4	7 7/8	3 1/8	23 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8		30						12.0	10.0
5	48	36	2 1/4	3/4	1		24 7/8	7 1/4	7 7/8	3 1/8	23 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8		30						12.0	10.0

STANDARD SIGN
R3-8 (D) Arrow

WISCONSIN DEPT OF TRANSPORTATION

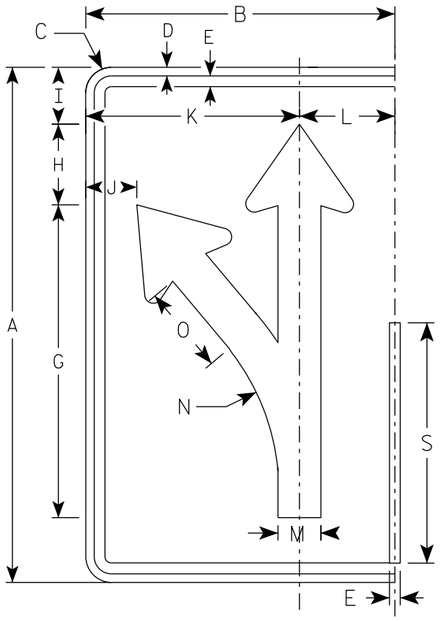
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/14/23 PLATE NO. R3-8.2

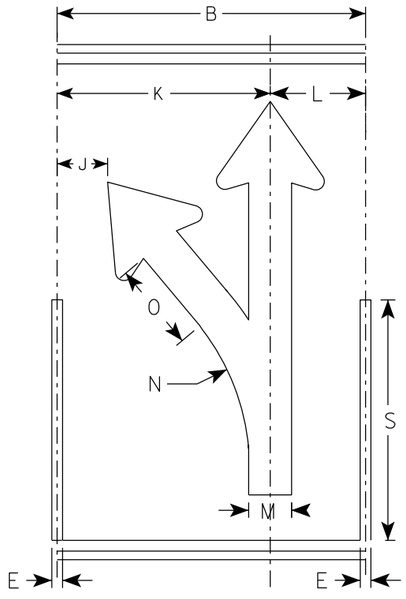
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 966 | E

NOTES

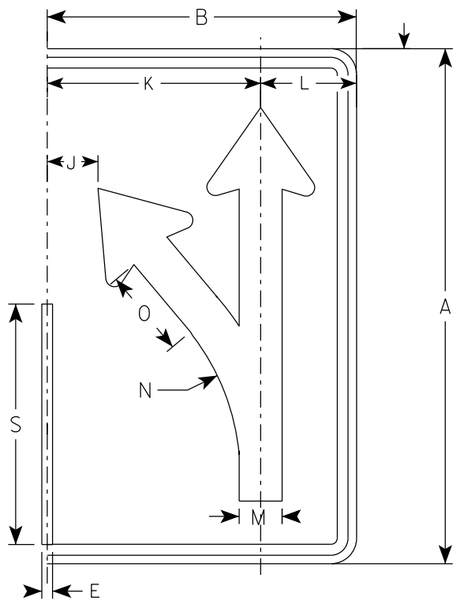
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



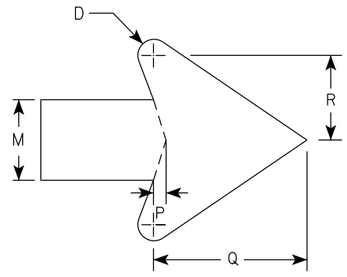
(E)



(E)



(E)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	18	1 1/2	1/2	5/8		18 1/4	4 3/4	3 1/4	3	12 1/2	5 1/2	2 1/2	13 1/4	5 1/8	3/8	4 3/4	2 5/8	14								3.75
2M	30	18	1 1/2	1/2	5/8		18 1/4	4 3/4	3 1/4	3	12 1/2	5 1/2	2 1/2	13 1/4	5 1/8	3/8	4 3/4	2 5/8	14								3.75
3	36	24	1 1/2	1/2	5/8		21 7/8	5 5/8	4	4 7/8	16 1/8	7 3/4	3	15 7/8	6 1/8	1/2	5 3/4	3 1/8	16 3/4								6.0
4	48	30	2 1/4	3/4	1		29 1/8	7 1/2	5 1/4	5 3/8	20 1/2	9 1/2	4	21 1/4	8 1/4	5/8	7 5/8	4 1/4	22 3/8								10.0
5	48	30	2 1/4	3/4	1		29 1/8	7 1/2	5 1/4	5 3/8	20 1/2	9 1/2	4	21 1/4	8 1/4	5/8	7 5/8	4 1/4	22 3/8								10.0

STANDARD SIGN
R3-8 (E) Arrow

WISCONSIN DEPT OF TRANSPORTATION

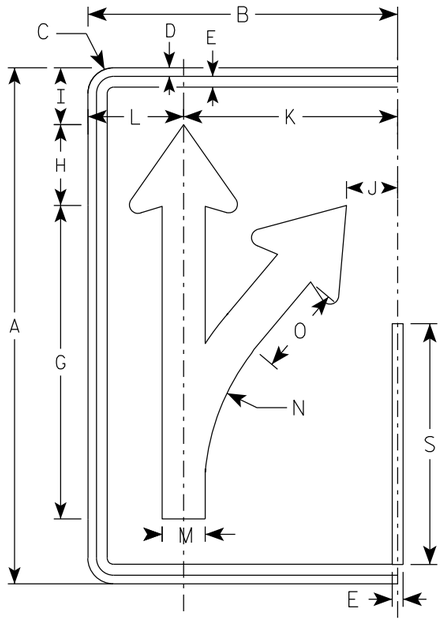
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/14/23 PLATE NO. R3-8.2

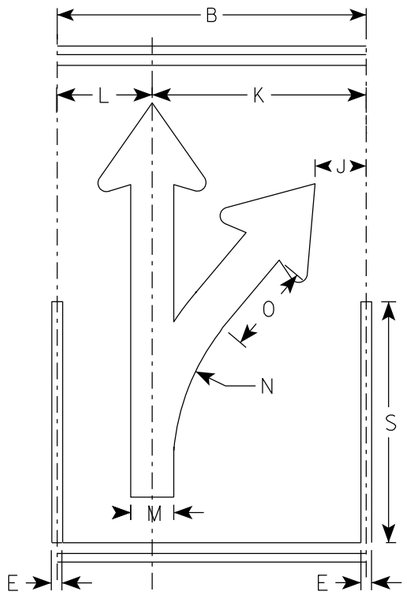
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 967 | E

NOTES

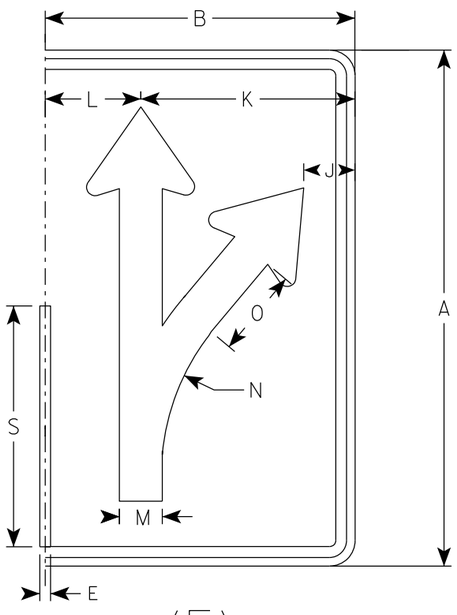
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



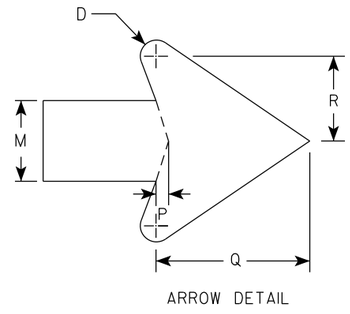
(F)



(F)



(F)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	18	1 1/2	1/2	5/8		18 1/4	4 3/4	3 1/4	3	12 1/2	5 1/2	2 1/2	13 1/4	5 1/8	3/8	4 3/4	2 5/8	14								3.75
2M	30	18	1 1/2	1/2	5/8		18 1/4	4 3/4	3 1/4	3	12 1/2	5 1/2	2 1/2	13 1/4	5 1/8	3/8	4 3/4	2 5/8	14								3.75
3	36	24	1 1/2	1/2	5/8		21 7/8	5 5/8	4	4 7/8	16 1/8	7 3/4	3	15 7/8	6 1/8	1/2	5 3/4	3 1/8	16 3/4								6.0
4	48	30	2 1/4	3/4	1		29 1/8	7 1/2	5 1/4	5 3/8	20 1/2	9 1/2	4	21 1/4	8 1/4	5/8	7 5/8	4 1/4	22 3/8								10.0
5	48	30	2 1/4	3/4	1		29 1/8	7 1/2	5 1/4	5 3/8	20 1/2	9 1/2	4	21 1/4	8 1/4	5/8	7 5/8	4 1/4	22 3/8								10.0

STANDARD SIGN
R3-8 (F) Arrow

WISCONSIN DEPT OF TRANSPORTATION

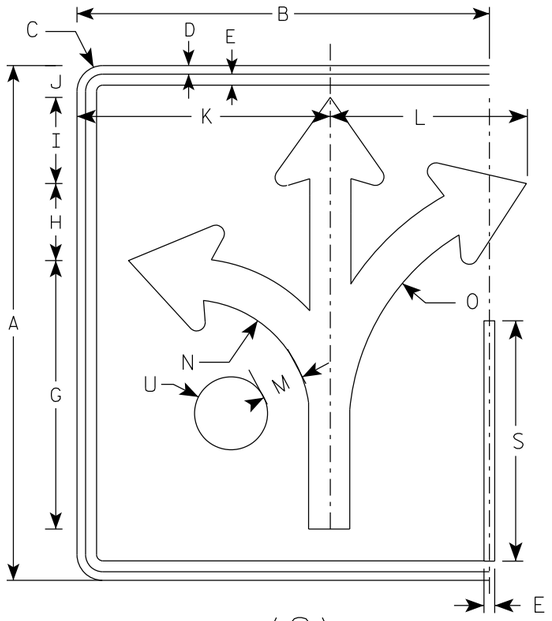
APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 2/14/23 PLATE NO. R3-8.2

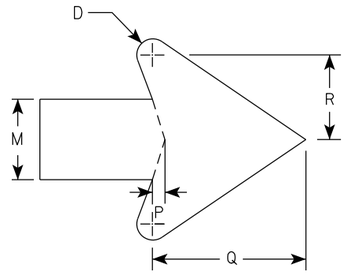
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 968 | E

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



(G)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	24	1 1/2	1/2	5/8		15 5/8	4 1/2	5	1 7/8	14 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14		2 1/8						5.0
2M	30	24	1 1/2	1/2	5/8		15 5/8	4 1/2	5	1 7/8	14 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14		2 1/8						5.0
3	36	30	1 1/2	1/2	5/8		18 3/4	5 1/2	6	3 1/8	17 1/4	17 1/4	2 7/8	8 3/8	16	1/2	5 1/2	3	16 3/4		2 1/2						7.5
4	48	36	2 1/4	3/4	1		24 7/8	7 1/4	7 7/8	3 1/8	23 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8		3 3/8						12.0
5	48	36	2 1/4	3/4	1		24 7/8	7 1/4	7 7/8	3 1/8	23 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8		3 3/8						12.0

STANDARD SIGN
R3-8 (G) Arrow

WISCONSIN DEPT OF TRANSPORTATION

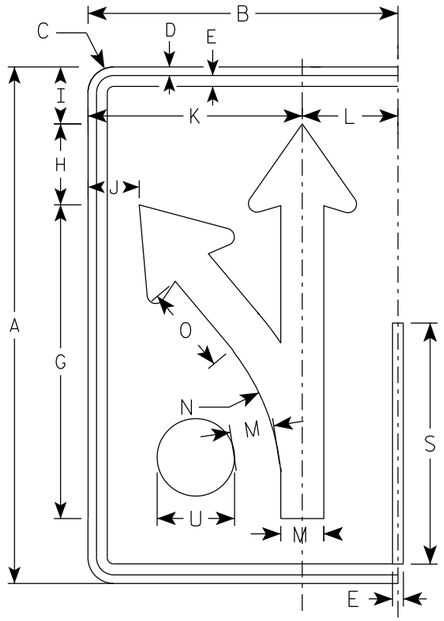
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/14/23 PLATE NO. R3-8.2

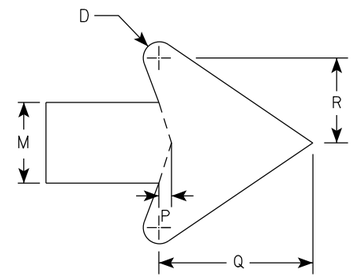
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 969 | E

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



(H)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	18	1 1/2	1/2	5/8		18 1/4	4 3/4	3 1/4	3	12 1/2	5 1/2	2 1/2	13 1/4	5 1/8	3/8	4 3/4	2 5/8	14		2 1/8						3.75
2M	30	18	1 1/2	1/2	5/8		18 1/4	4 3/4	3 1/4	3	12 1/2	5 1/2	2 1/2	13 1/4	5 1/8	3/8	4 3/4	2 5/8	14		2 1/8						3.75
3	36	24	1 1/2	1/2	5/8		21 7/8	5 5/8	4	4 7/8	16 1/8	7 3/4	3	15 7/8	6 1/8	1/2	5 3/4	3 1/8	16 3/4		2 1/2						6.0
4	48	30	2 1/4	3/4	1		29 1/8	7 1/2	5 1/4	5 3/8	20 1/2	9 1/2	4	21 1/4	8 1/4	5/8	7 5/8	4 1/4	22 3/8		3 3/8						10.0
5	48	30	2 1/4	3/4	1		29 1/8	7 1/2	5 1/4	5 3/8	20 1/2	9 1/2	4	21 1/4	8 1/4	5/8	7 5/8	4 1/4	22 3/8		3 3/8						10.0

STANDARD SIGN
R3-8 (H) Arrow

WISCONSIN DEPT OF TRANSPORTATION

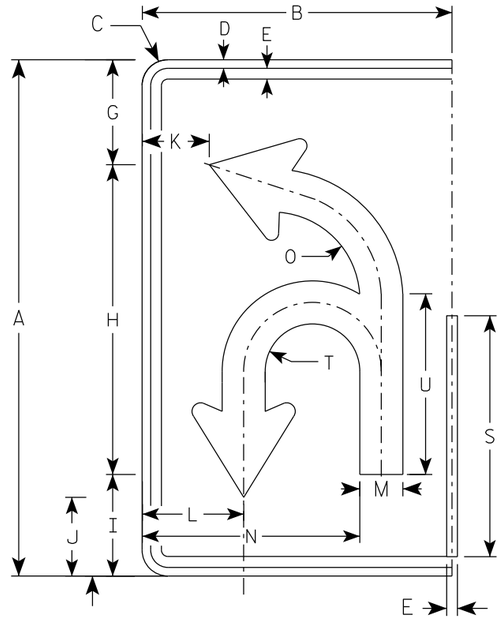
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/14/23 PLATE NO. R3-8.2

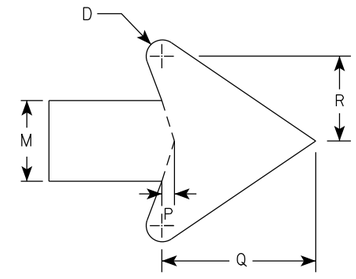
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 970 | E

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



(I)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	18	1 1/2	1/2	5/8		6 1/8	18	5 7/8	4 5/8	3 7/8	5 7/8	2 1/2	12 5/8	5 1/8	3/8	4 3/4	2 5/8	14	2 3/4	10 1/2						3.75
2M	30	18	1 1/2	1/2	5/8		6 1/8	18	5 7/8	4 5/8	3 7/8	5 7/8	2 1/2	12 5/8	5 1/8	3/8	4 3/4	2 5/8	14	2 3/4	10 1/2						3.75
3	36	24	1 1/2	1/2	5/8		21 7/8	21 5/8	7 1/8	5 1/2	5 7/8	8 1/4	3	16 3/8	6 1/8	1/2	5 3/4	3 1/8	16 3/4	3 1/4	12 5/8						6.0
4	48	30	2 1/4	3/4	1		29 1/8	28 3/4	9 3/8	7 1/4	6 7/8	10	4	20 7/8	8 1/8	5/8	7 5/8	4 1/4	22 3/8	4 3/8	16 3/4						10.0
5	48	30	2 1/4	3/4	1		29 1/8	28 3/4	9 3/8	7 1/4	6 7/8	10	4	20 7/8	8 1/8	5/8	7 5/8	4 1/4	22 3/8	4 3/8	16 3/4						10.0

STANDARD SIGN
R3-8 (I) Arrow

WISCONSIN DEPT OF TRANSPORTATION

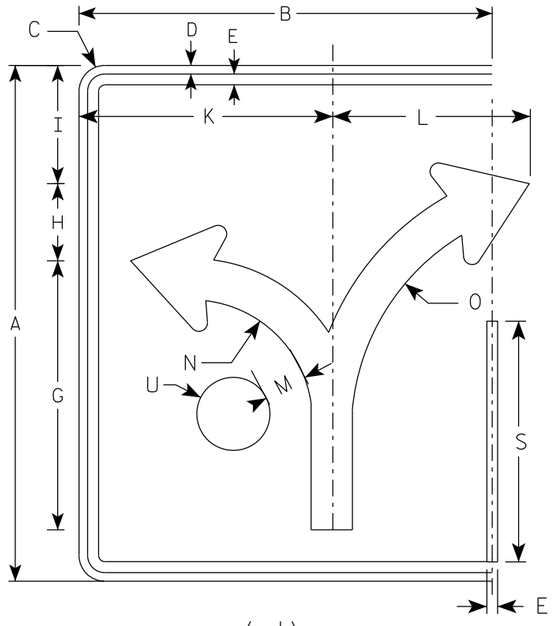
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/14/23 PLATE NO. R3-8.2

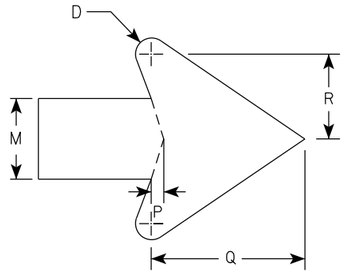
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 971 | E

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



(J)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	24	1 1/2	1/2	5/8		15 5/8	4 1/2	6 7/8		14 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14		2 1/8						5.0
2M	30	24	1 1/2	1/2	5/8		15 5/8	4 1/2	6 7/8		14 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14		2 1/8						5.0
3	36	30	1 1/2	1/2	5/8		18 3/4	5 1/2	8 1/4		17 1/4	17 1/4	2 7/8	8 3/8	16	1/2	5 1/2	3	16 3/4		2 1/2						7.5
4	48	36	2 1/4	3/4	1		24 7/8	7 1/4	11		23 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8		3 3/8						12.0
5	48	36	2 1/4	3/4	1		24 7/8	7 1/4	11		23 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8		3 3/8						12.0

STANDARD SIGN
R3-8 (J) Arrow

WISCONSIN DEPT OF TRANSPORTATION

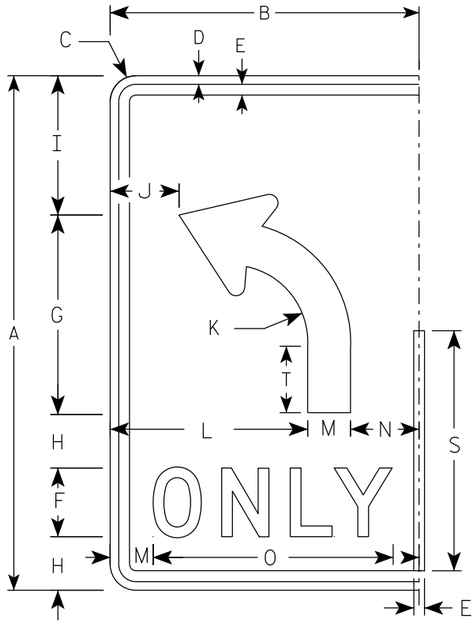
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/14/23 PLATE NO. R3-8.2

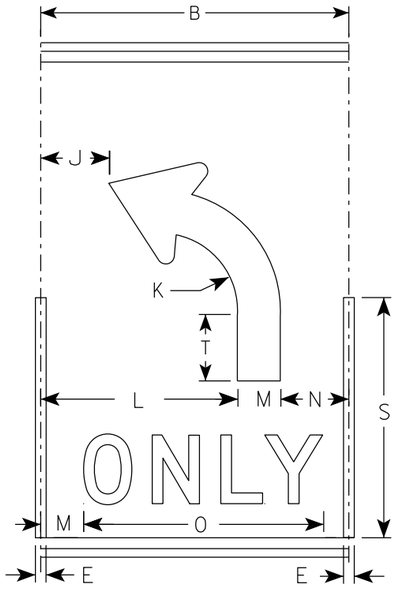
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 972 | E

NOTES

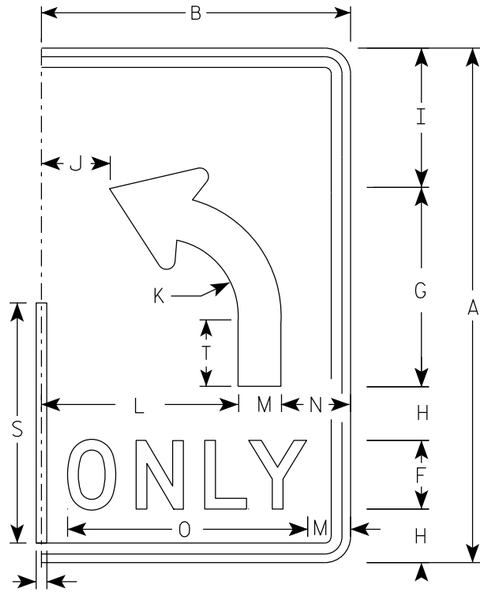
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D



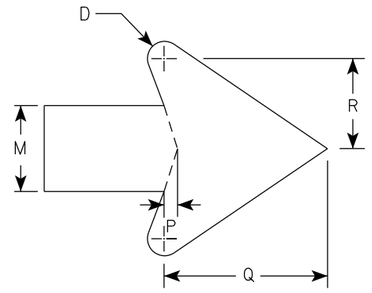
(L)



(L)



(L)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	18	1 1/2	1/2	5/8	4	11 5/8	3 1/8	8 1/8	4	4 1/2	11 1/2	2 1/2	4	14	3/8	4 3/4	2 5/8	14	3 7/8							3.75
2M	30	18	1 1/2	1/2	5/8	4	11 5/8	3 1/8	8 1/8	4	4 1/2	11 1/2	2 1/2	4	14	3/8	4 3/4	2 5/8	14	3 7/8							3.75
3	36	24	1 1/2	1/2	5/8	5	14	3 1/2	9 3/4	6	5 3/8	15	3	6	17 5/8	1/2	5 3/4	3 1/8	16 3/4	4 5/8							6.0
4	48	30	2 1/4	3/4	1	6	18 5/8	5 1/8	13 1/8	6 1/8	7 1/4	18	4	8	21 3/4	5/8	7 5/8	4 1/4	22 3/8	6 1/4							10.0
5	48	30	2 1/4	3/4	1	6	18 5/8	5 1/8	13 1/8	6 1/8	7 1/4	18	4	8	21 3/4	5/8	7 5/8	4 1/4	22 3/8	6 1/4							10.0

STANDARD SIGN

R3-8 (L) Arrow

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

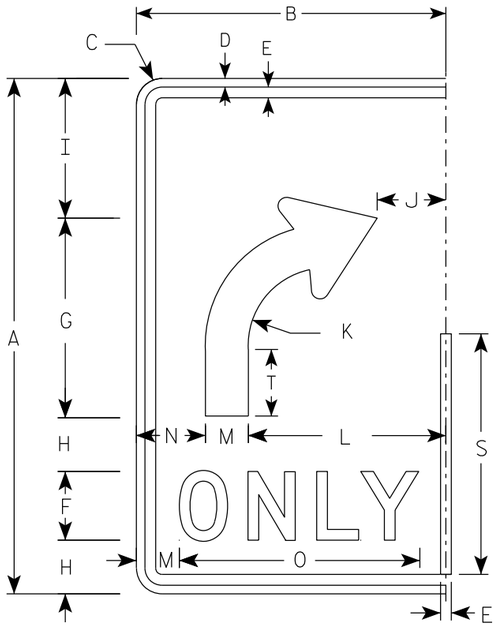
DATE 2/14/23 PLATE NO. R3-8.2

PROJECT NO:

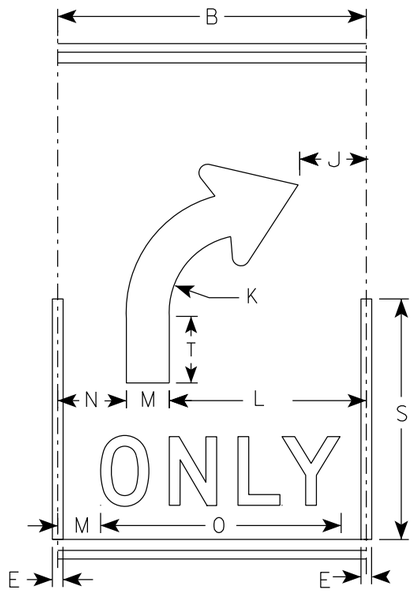
SHEET NO: 973 E

NOTES

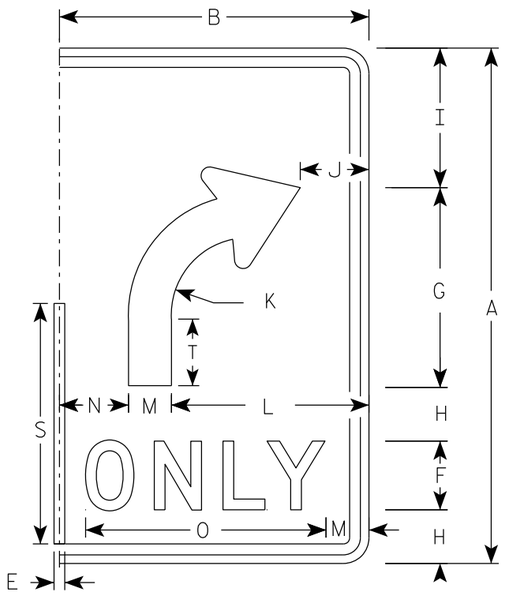
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D



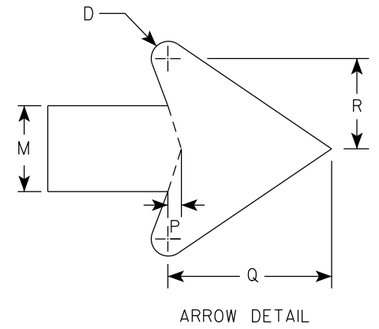
(R)



(R)



(R)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	18	1 1/2	1/2	5/8	4	11 5/8	3 1/8	8 1/8	4	4 1/2	11 1/2	2 1/2	4	14	3/8	4 3/4	2 5/8	14	3 7/8							3.75
2M	30	18	1 1/2	1/2	5/8	4	11 5/8	3 1/8	8 1/8	4	4 1/2	11 1/2	2 1/2	4	14	3/8	4 3/4	2 5/8	14	3 7/8							3.75
3	36	24	1 1/2	1/2	5/8	5	14	3 1/2	9 3/4	6	5 3/8	15	3	6	17 5/8	1/2	5 3/4	3 1/8	16 3/4	4 5/8							6.0
4	48	30	2 1/4	3/4	1	6	18 5/8	5 1/8	13 1/8	6 1/8	7 1/4	18	4	8	21 3/4	5/8	7 5/8	4 1/4	22 3/8	6 1/4							10.0
5	48	30	2 1/4	3/4	1	6	18 5/8	5 1/8	13 1/8	6 1/8	7 1/4	18	4	8	21 3/4	5/8	7 5/8	4 1/4	22 3/8	6 1/4							10.0

STANDARD SIGN

R3-8 (R) Arrow

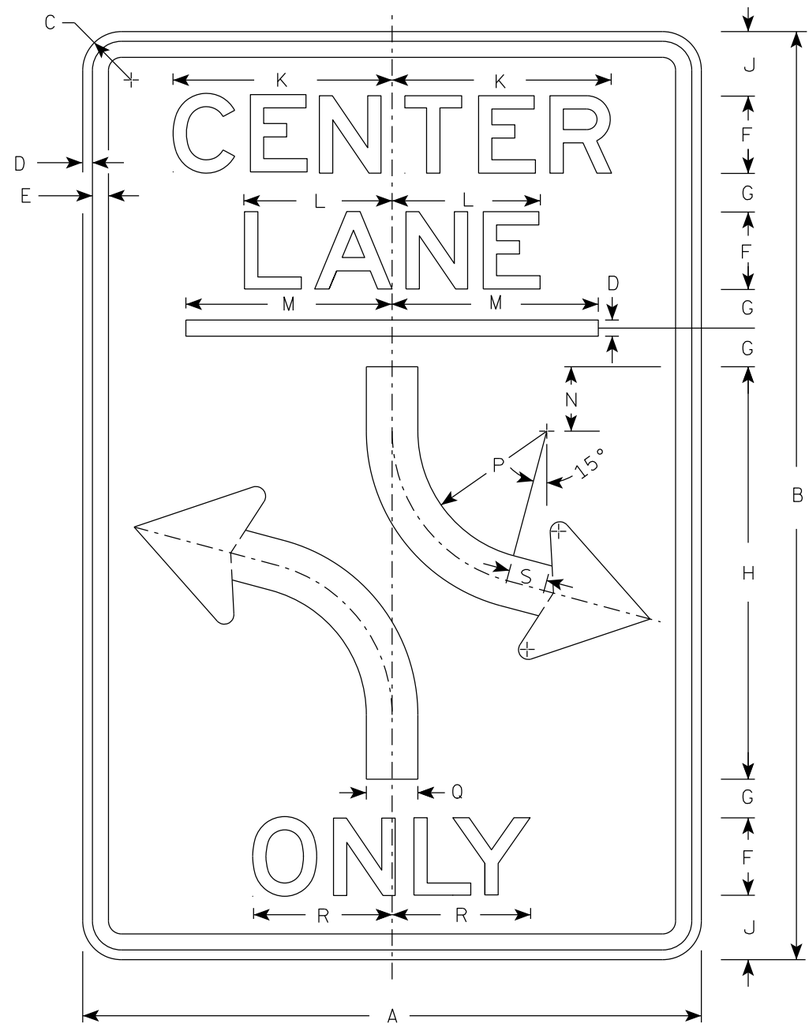
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/14/23 PLATE NO. R3-8.2

PROJECT NO:

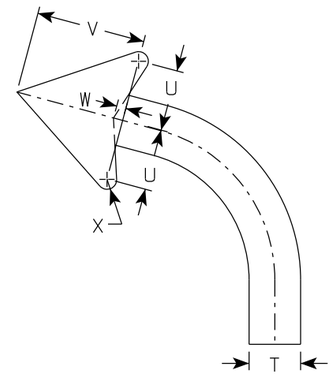
SHEET NO: 974 E



R3-9B

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - E



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	36	1 ½	⅜	½	3	1 ½	16		2 ½	8 ½	5 ¾	8	2 ½		6	2	5 ⅛	1 ½		2 ⅜	4 ⅜	⅜				6.0
2M	24	36	1 ½	⅜	½	3	1 ½	16		2 ½	8 ½	5 ¾	8	2 ½		6	2	5 ⅛	1 ½		2 ⅜	4 ⅜	⅜				6.0
3	36	48	1 ⅞	⅝	⅞	5	1 ½	20		3 ½	14 ⅛	9 ½	12	3		4	3	9 ⅞	2		3 ½	6 ⅛	½				12.0
4																											
5																											

STANDARD SIGN
R3-9B

WISCONSIN DEPT OF TRANSPORTATION

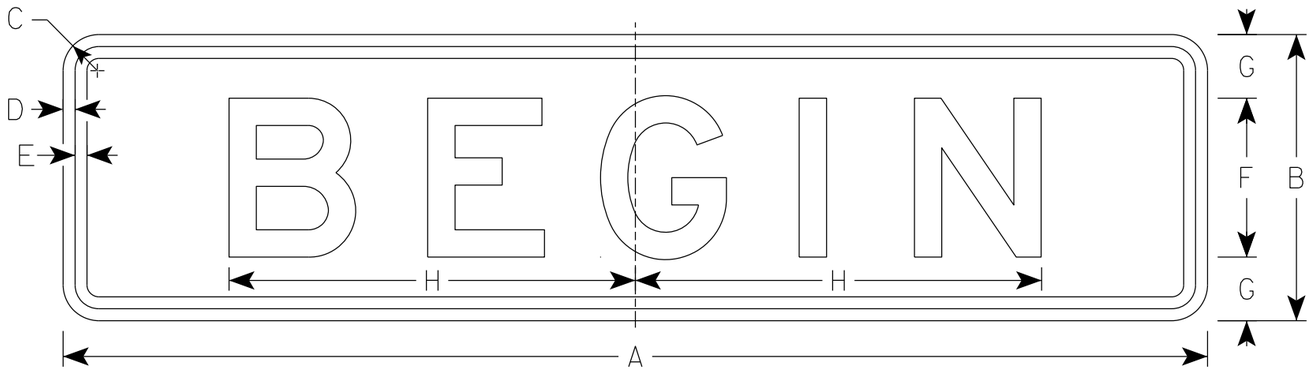
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/15/23 PLATE NO. R3-9B.6

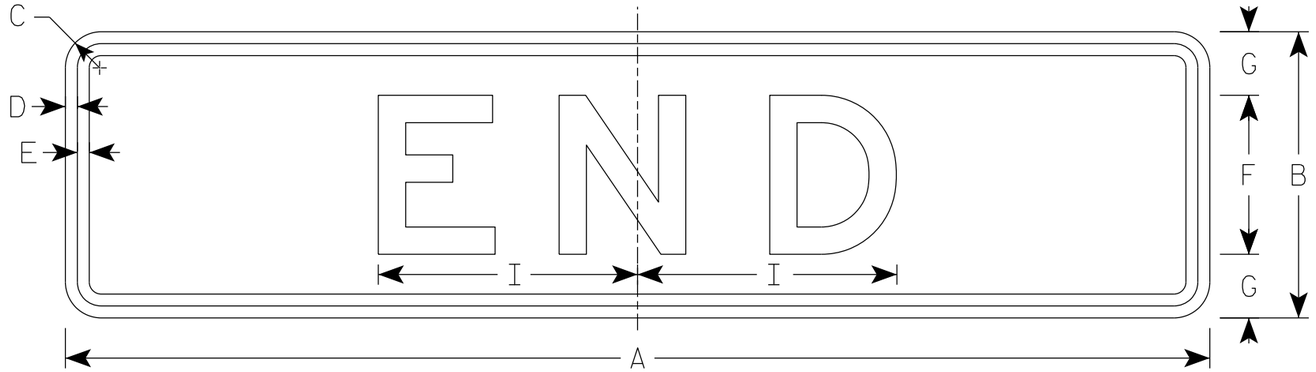
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 975 | E

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - E



R3-9C



R3-9D

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	6	1 1/2	3/8	3/8	3	1 1/2	7 3/4	4 7/8																		1.0
2M	24	6	1 1/2	3/8	3/8	3	1 1/2	7 3/4	4 7/8																		1.0
3	36	9	1 1/2	3/8	3/8	5	2	12 3/4	8 1/8																		2.25
4																											
5																											

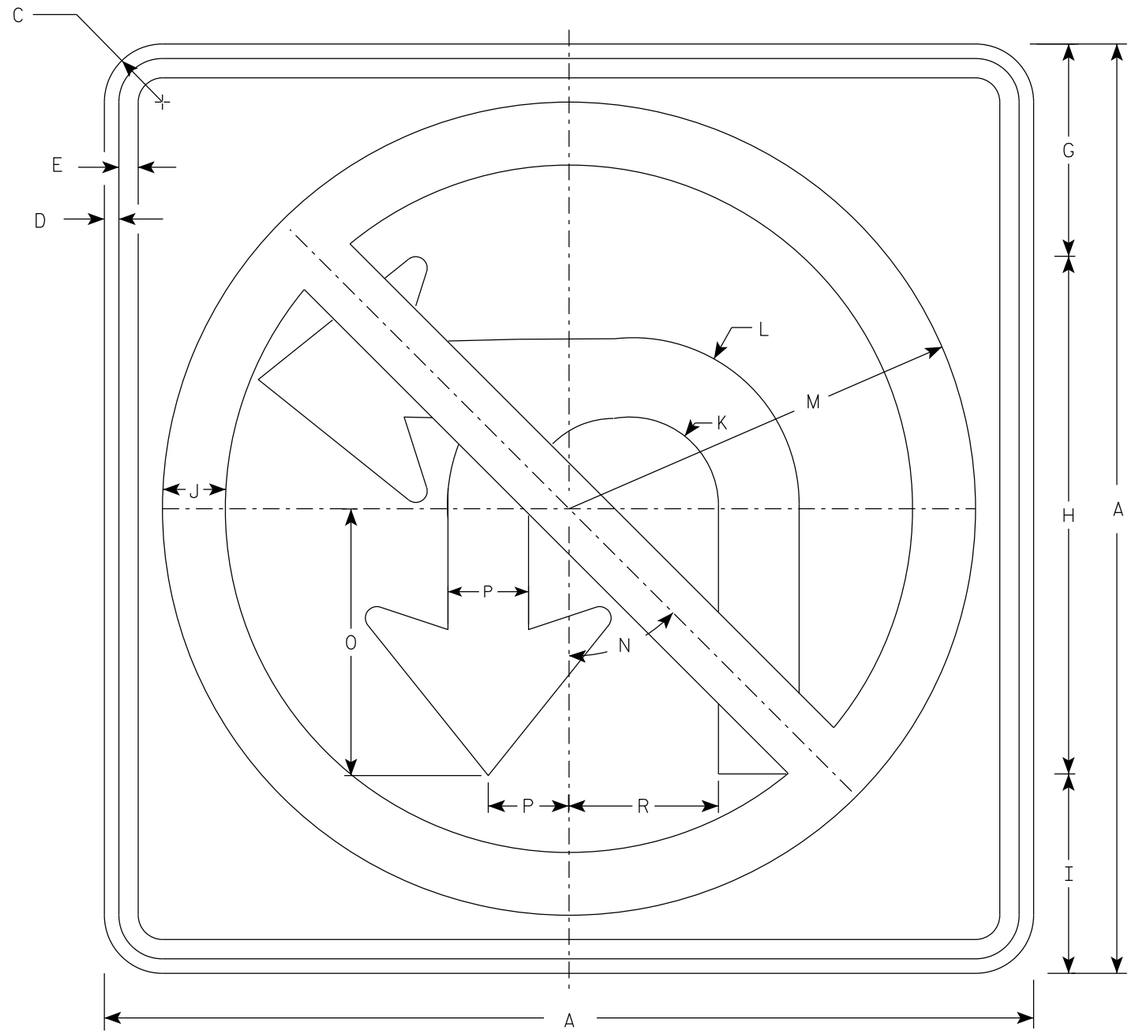
STANDARD SIGN
R3-9C & R3-9D

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/23/23 PLATE NO. R3-9C.4

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 976 | E



R3-18

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - See note 3
3. Border & Arrow are non reflective black, the circle with diagonal bar is reflective red.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24		1 1/2	3/8	1/2		5 1/2	13 3/8	5 1/8	1 5/8	2 1/4	4 1/4	10 1/2	45°	6 7/8	2 1/8		3 7/8									4.0
2M	36		2 1/4	5/8	3/4		8 1/4	20	7 3/4	2 1/2	3 3/8	6 1/2	15 3/4	45°	10 3/8	3 1/8		5 3/4									9.0
3	36		2 1/4	5/8	3/4		8 1/4	20	7 3/4	2 1/2	3 3/8	6 1/2	15 3/4	45	10 3/8	3 1/8		5 3/4									9.0
4	36		2 1/4	5/8	3/4		8 1/4	20	7 3/4	2 1/2	3 3/8	6 1/2	15 3/4	45	10 3/8	3 1/8		5 3/4									9.0
5	48		2 1/4	3/4	1		11	26 3/4	10 1/4	3 1/4	4 5/8	8 5/8	21	45°	13 3/4	4 1/8		7 3/4									16.0

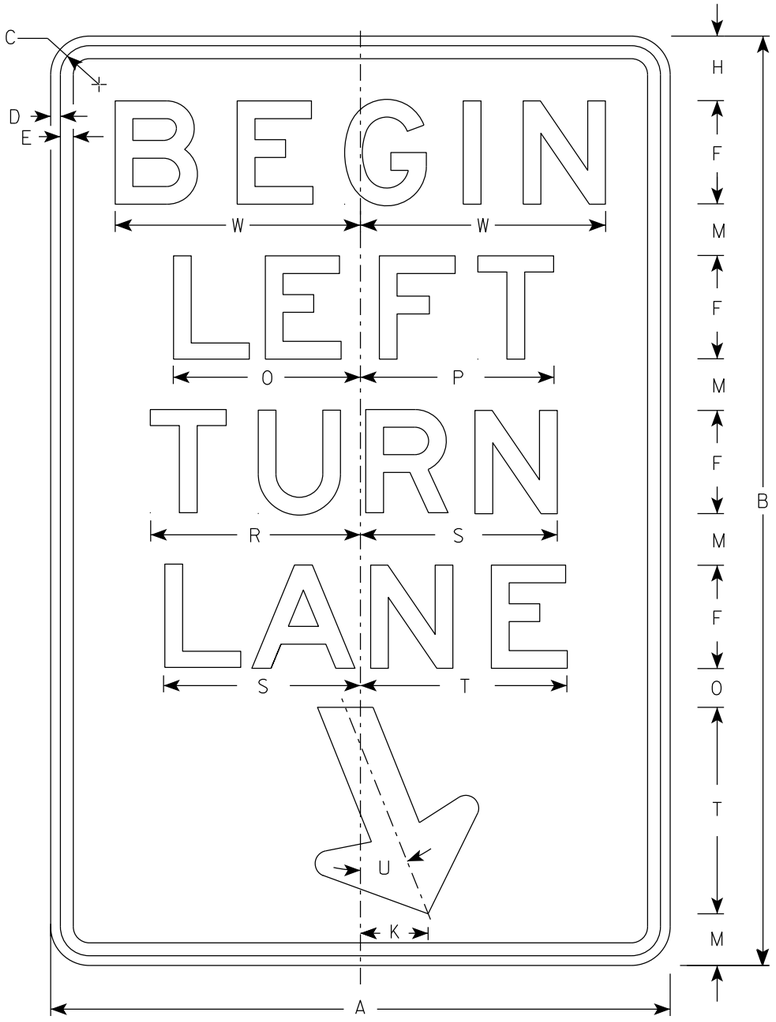
STANDARD SIGN
R3-18

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/23/23 PLATE NO. R3-18.3

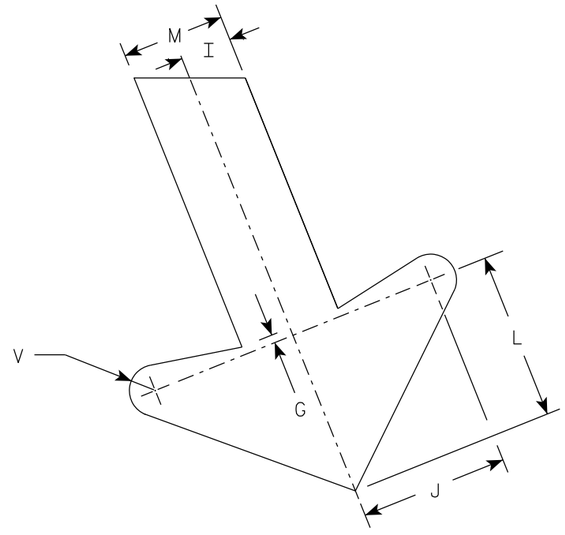
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 977	E



R3-20L

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - E



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	36	1 1/2	3/8	1/2	4	1/4	2 1/2	1	2 7/8	2 5/8	3 1/4	2	1 1/2	7 1/4	7 1/2		8 1/8	7 5/8	8	22°	1/2	9 1/2				6.0
2M	24	36	1 1/2	3/8	1/2	4	1/4	2 1/2	1	2 7/8	2 5/8	3 1/4	2	1 1/2	7 1/4	7 1/2		8 1/8	7 5/8	8	22°	1/2	9 1/2				6.0
3	36	54	1 7/8	1/2	5/8	6	3/8	3 3/4	1 1/2	4 1/4	4	4 7/8	3	2 1/4	10 7/8	11 1/4		12 1/4	11 1/2	12	22°	3/4	13 1/4				13.5
4																											
5																											

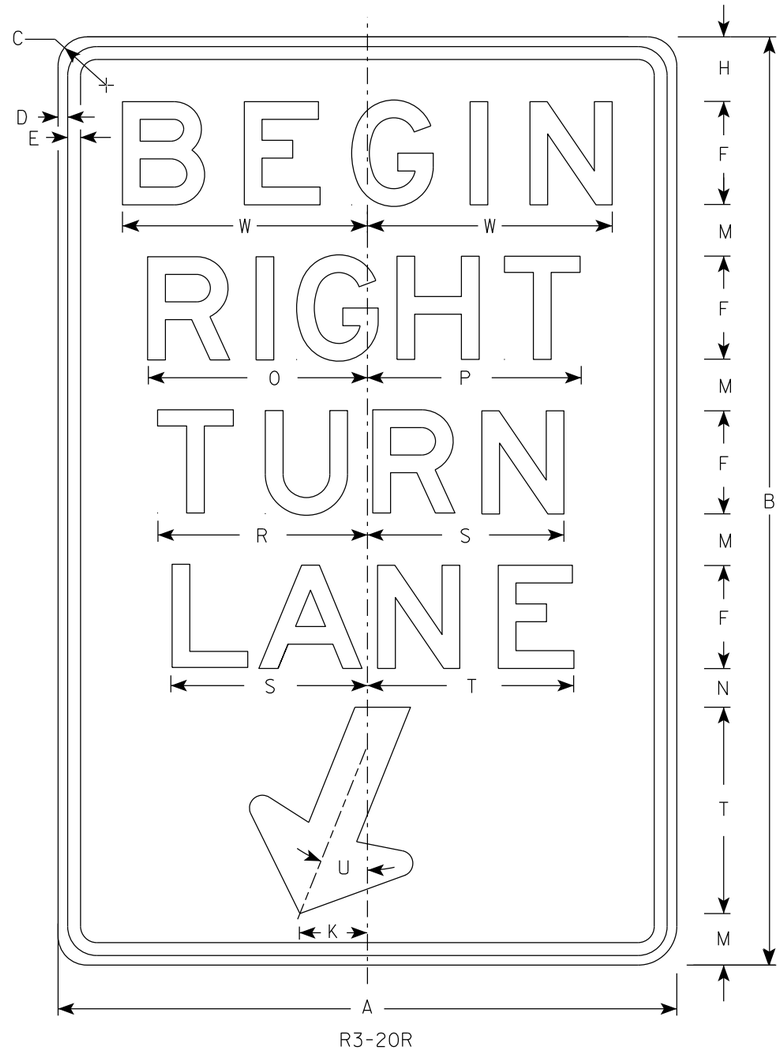
STANDARD SIGN
R3-20L

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/23/23 PLATE NO. R3-20L.8

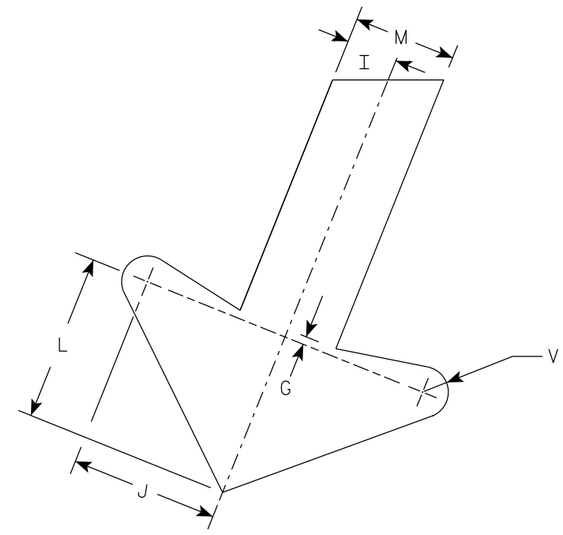
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 978	E



R3-20R

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - E



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	36	1 1/2	3/8	1/2	4	1/4	2 1/2	1	2 7/8	2 5/8	3 1/4	2	1 1/2	8 1/2	8 1/4		8 1/8	7 5/8	8	22°	1/2	9 1/2				6.0
2M	24	36	1 1/2	3/8	1/2	4	1/4	2 1/2	1	2 7/8	2 5/8	3 1/4	2	1 1/2	8 1/2	8 1/4		8 1/8	7 5/8	8	22°	1/2	9 1/2				6.0
3	36	54	1 7/8	1/2	5/8	6	3/8	3 3/4	1 1/2	4 1/4	4	4 7/8	3	2 1/4	12 3/4	12 1/2		12 1/4	11 1/2	12	22°	3/4	13 1/4				13.5
4																											
5																											

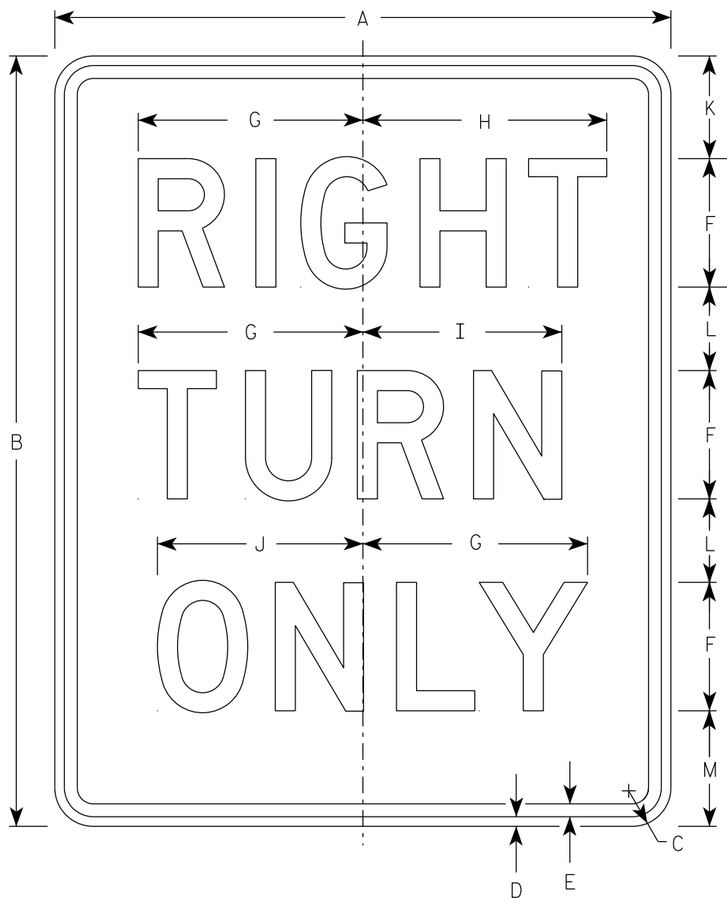
STANDARD SIGN
R3-20R

WISCONSIN DEPT OF TRANSPORTATION

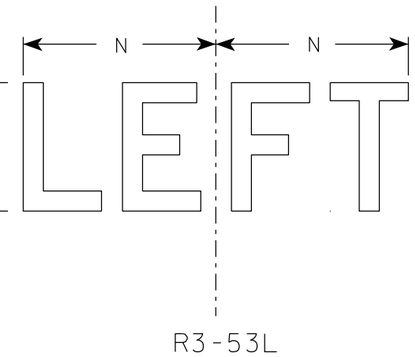
APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 2/23/23 PLATE NO. R3-20R.7

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 979 | E



R3-53R



R3-53L

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D
4. R3-53L same as R3-53R except LEFT is substituted for RIGHT

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	30	1 1/2	3/8	1/2	5	8 3/4	9 1/2	7 3/4	8	4	3 1/4	4 1/2	7 1/2													5.0
2M	24	30	1 1/2	3/8	1/2	5	8 3/4	9 1/2	7 3/4	8	4	3 1/4	4 1/2	7 1/2													5.0
3	24	30	1 1/2	3/8	1/2	5	8 3/4	9 1/2	7 3/4	8	4	3 1/4	4 1/2	7 1/2													5.0
4																											
5																											

STANDARD SIGN
R3-53

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

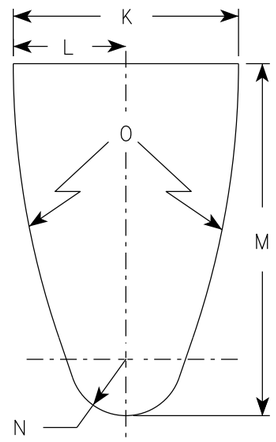
DATE 2/23/23 PLATE NO. R3-53.9

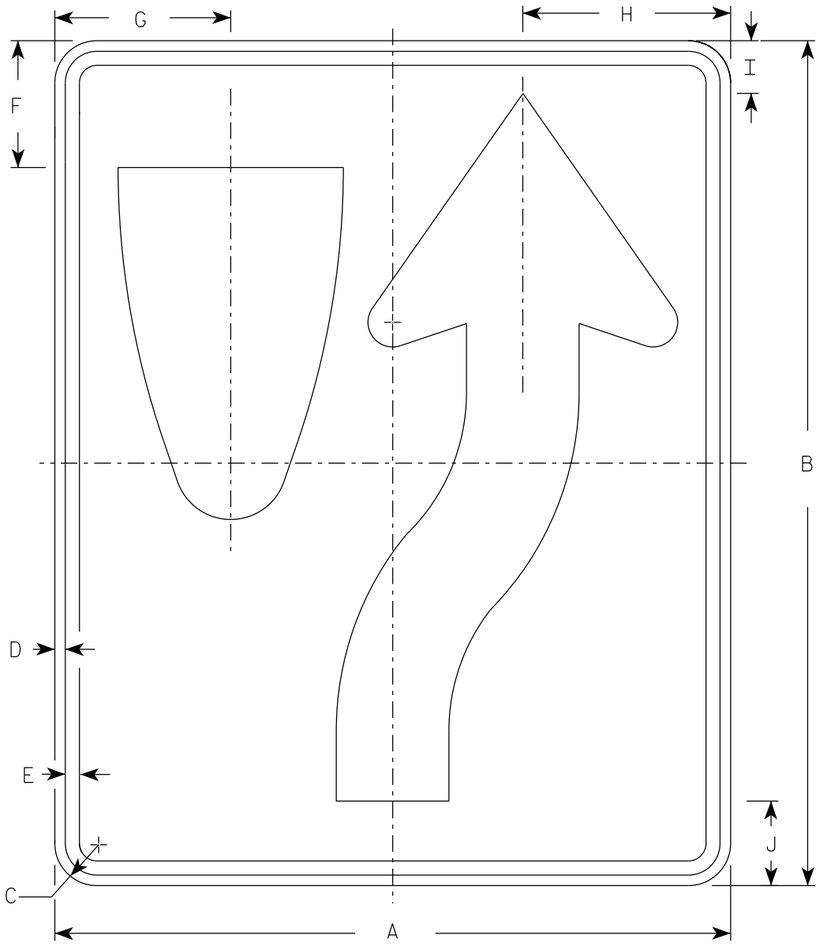
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 980 | E

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. R4-8 is the same as R4-7 except Legend is reversed.

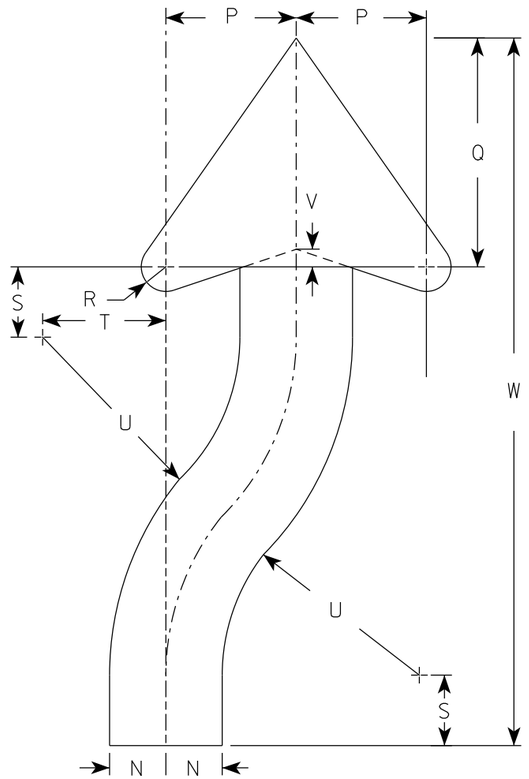
DIVIDER DETAIL





R4-7

ARROW DETAIL



SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	18	24	1 1/2	3/8	1/2	3 3/8	4 3/4	5 1/2	1 3/8	2 1/4	6	3	9 3/8	1 1/2	22 1/2	3 1/2	6 1/8	5/8	1 7/8	3 1/4	6 3/4	1/2	20 3/8				3.0
2S	24	30	1 1/2	3/8	1/2	4 1/2	6 1/4	7 3/8	1 7/8	3	8	4	12 1/2	2	30	4 5/8	8 1/8	7/8	2 1/2	4 3/8	9	5/8	25 1/8				5.0
2M	24	30	1 1/2	3/8	1/2	4 1/2	6 1/4	7 3/8	1 7/8	3	8	4	12 1/2	2	30	4 5/8	8 1/8	7/8	2 1/2	4 3/8	9	5/8	25 1/8				5.0
3	36	48	1 7/8	1/2	5/8	6 3/4	9 3/8	11 1/8	2 7/8	4 1/2	12	6	18 3/4	3	45	6 7/8	12 1/4	1 1/4	3 3/4	6 5/8	13 1/2	1	40 3/4				12.0
4	36	48	1 7/8	1/2	5/8	6 3/4	9 3/8	11 1/8	2 7/8	4 1/2	12	6	18 3/4	3	45	6 7/8	12 1/4	1 1/4	3 3/4	6 5/8	13 1/2	1	40 3/4				12.0
5	48	60	3	3/4	1	9	12 1/2	14 3/4	3 3/4	6	16	8	25	4	60	9 1/4	16 1/4	1 5/8	5	8 3/4	18	1 1/4	50 1/4				20.0

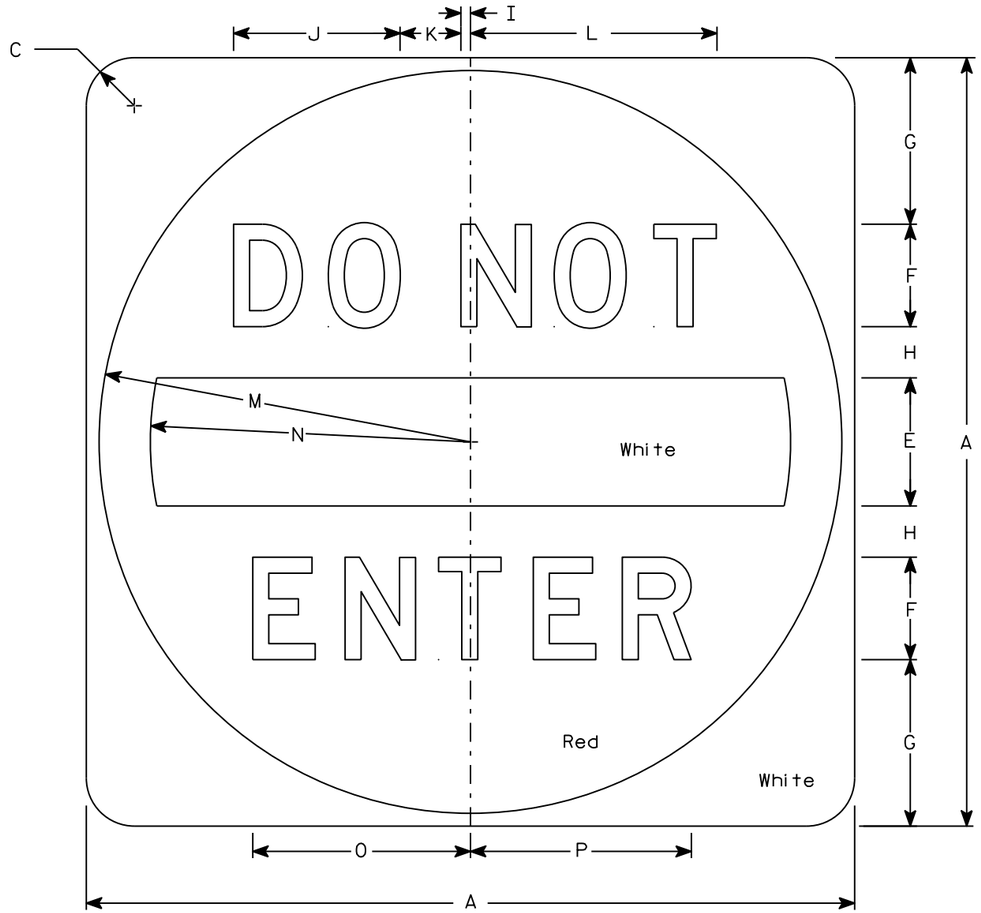
STANDARD SIGN
R4-7 & R4-8

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch for State Traffic Engineer

DATE 8/17/23 PLATE NO. R4-7.9

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 981	E



R5-1

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - See detail
   Message - White
3. Message Series - D

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30		1 7/8		5	4	6 1/2	2	3/8	6 1/2	2 3/8	9 5/8	14 1/2	12 1/2	8 1/2	8 5/8											6.25
2M	36		2 1/4		6	5	7 1/2	2 1/2	1/2	8 1/8	3	12 1/8	17 1/2	15	10 5/8	10 3/4											9.0
3	36		2 1/4		6	5	7 1/2	2 1/2	1/2	8 1/8	3	12 1/8	17 1/2	15	10 5/8	10 3/4											9.0
4	36		2 1/4		6	5	7 1/2	2 1/2	1/2	8 1/8	3	12 1/8	17 1/2	15	10 5/8	10 3/4											9.0
5	48		3		8	6	11	3	5/8	9 3/4	3 5/8	14 1/2	23 1/2	20	12 3/4	12 7/8											16.0

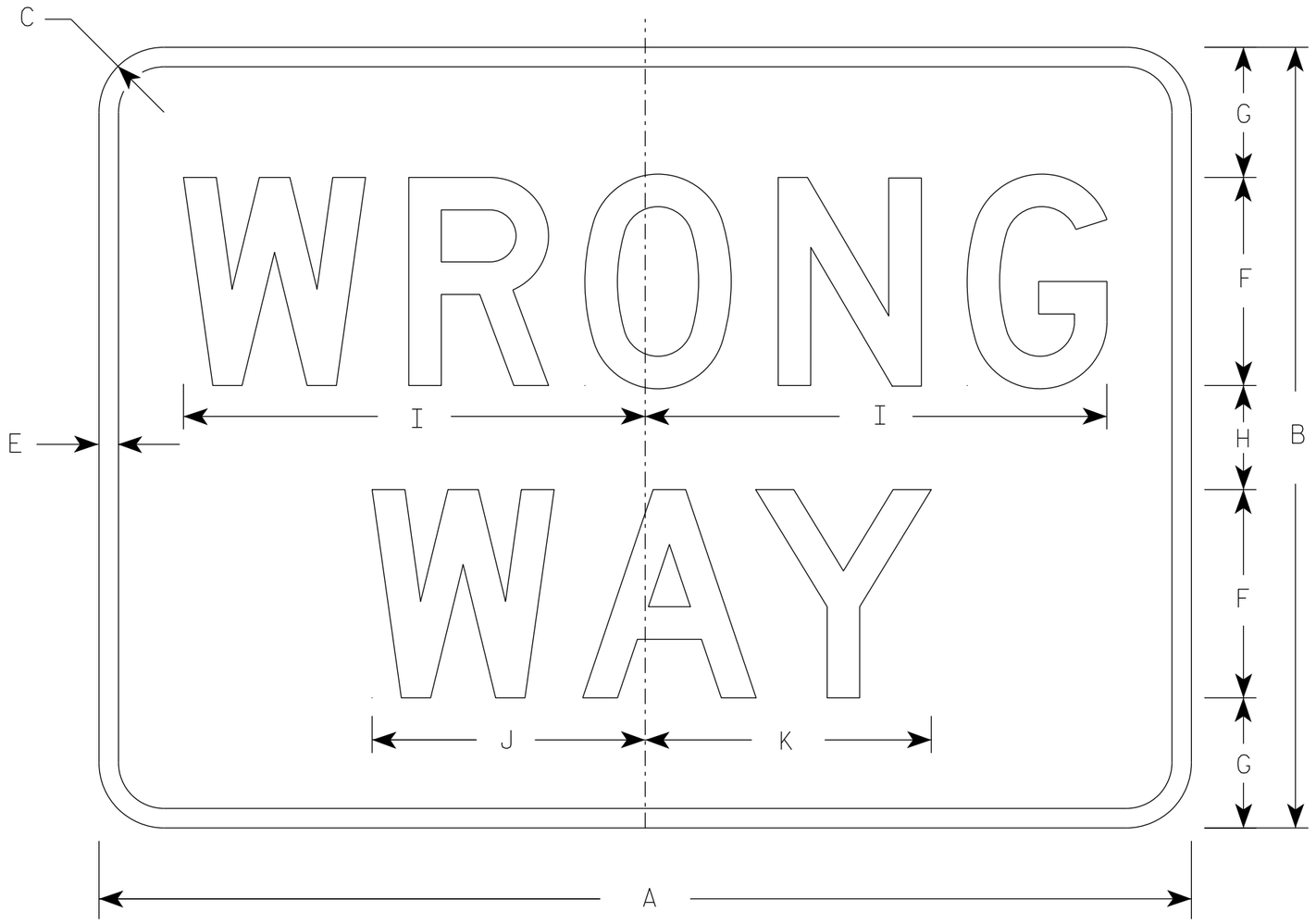
STANDARD SIGN
R5-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/15/18 PLATE NO. R5-1.16

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 982 | E



R5-1A

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - Red
   Message - White
3. Message Series - D

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30	18	1 1/2		1/2	5	3	2	11	6 1/2	6 7/8																3.75
2S	36	24	1 1/2		5/8	6	4 1/2	3	13 1/4	7 7/8	8 1/4																6.00
2M	42	30	1 7/8		3/4	8	5	4	17 3/4	10 1/2	11																8.75
3	42	30	1 7/8		3/4	8	5	4	17 3/4	10 1/2	11																8.75
4	42	30	1 7/8		3/4	8	5	4	17 3/4	10 1/2	11																8.75
5	42	30	1 7/8		3/4	8	5	4	17 3/4	10 1/2	11																8.75

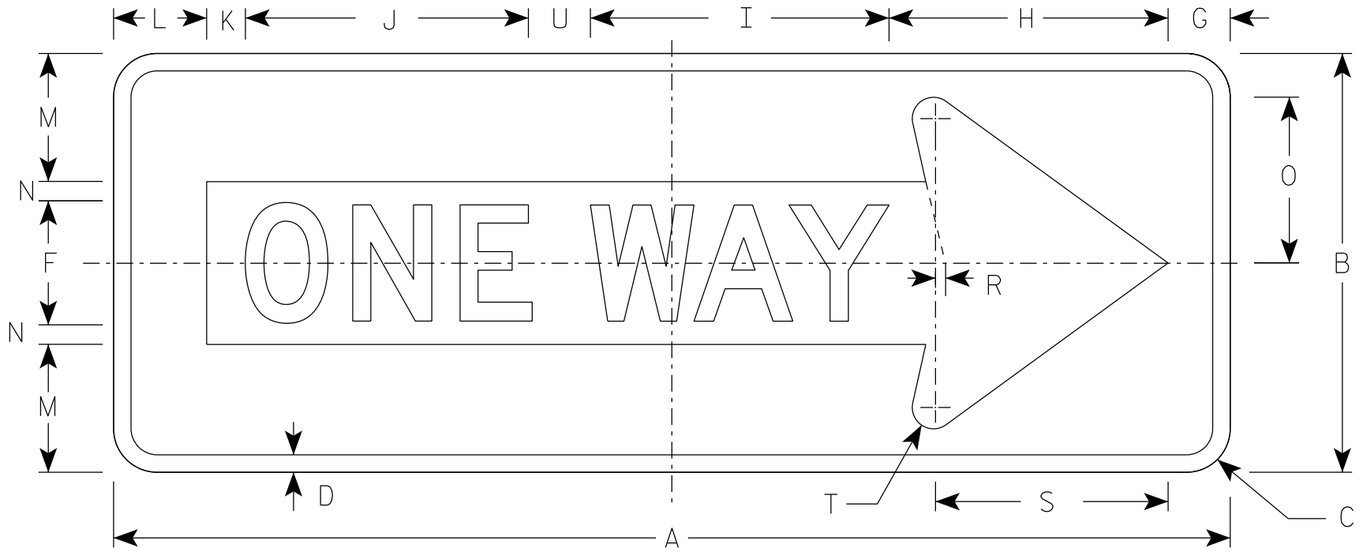
STANDARD SIGN
R5-1A

WISCONSIN DEPT OF TRANSPORTATION

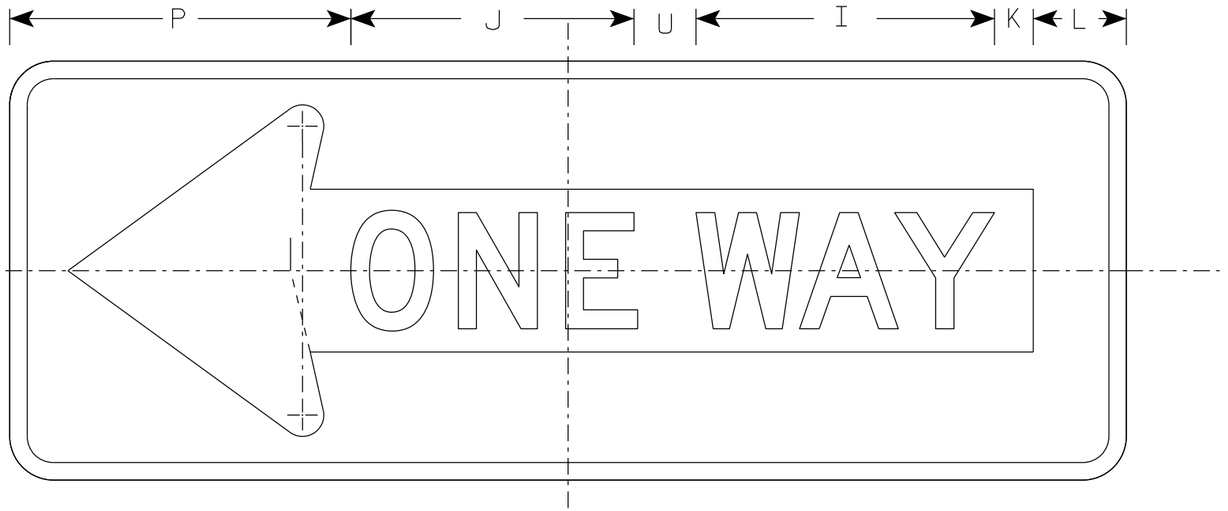
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 8/17/23 PLATE NO. R5-1A.3

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 983 | E



R6-1R



R6-1L

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - Black
   Message - Black Legend & White Arrow & Border
3. Message Series - D

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	36	12	1 ½	½		4	2	7 ½	9 ⅝	9 ⅛	1 ¼	3	3 ⅜	⅝	4 ⅜	11		⅜	7 ½	¾	2						3.0
2M	48	18	1 ⅞	¾		5	2 ½	11	13	12 ¼	2 ¾	3 ½	5 ½	1	7 ⅛	13 ½		½	10 ⅛	⅞	3						6.0
3	48	18	1 ⅞	¾		5	2 ½	11	13	12 ¼	2 ¾	3 ½	5 ½	1	7 ⅛	13 ½		½	10 ⅛	⅞	3						6.0
4	48	18	1 ⅞	¾		5	2 ½	11	13	12 ¼	2 ¾	3 ½	5 ½	1	7 ⅛	13 ½		½	10 ⅛	⅞	3						6.0
5																											

STANDARD SIGN
R6-1 L&R

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/7/2025 PLATE NO. R6-1.5

PROJECT NO:

SHEET NO: 984 E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\R61.dgn PLOT DATE : 7-APR 2025 1:18 PLOT BY : dotc4c

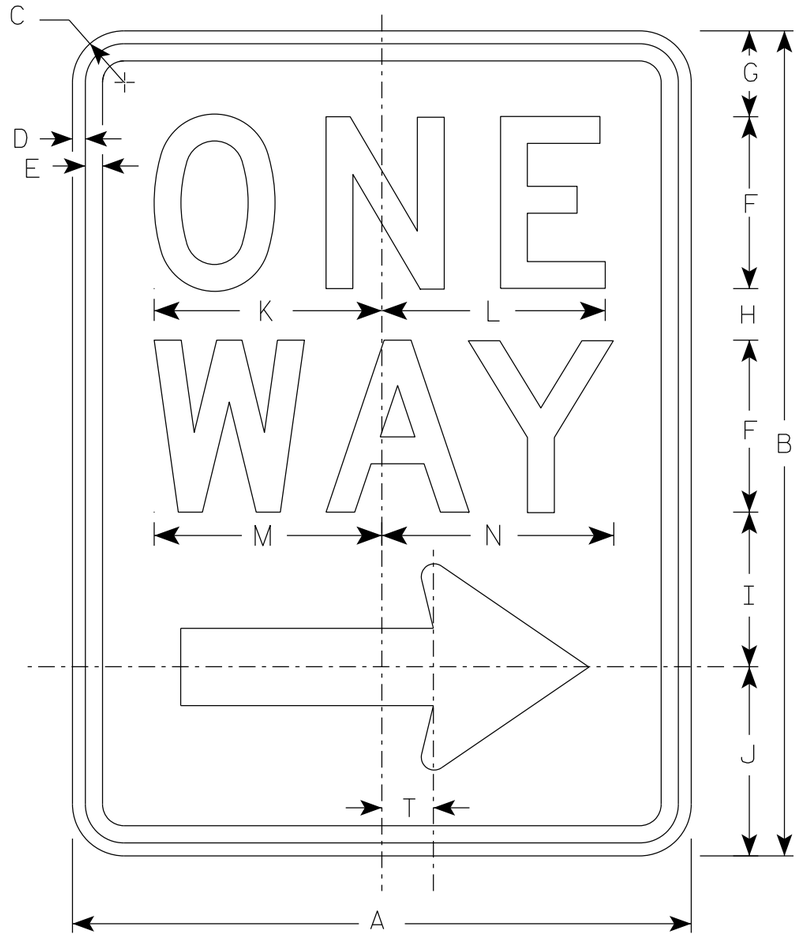
WISDOT/CADDS SHEET 42

7

7

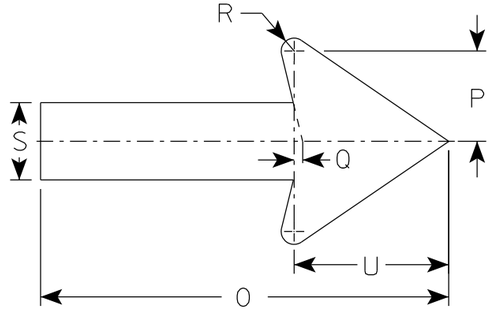
NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D
4. R6-2L same as R6-2R except arrow points to the left.



R6-2R

Arrow Detail



SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
1	18	24	1 1/2	3/8	1/2	5	2 1/2	1 1/2	4 1/2	5 1/2	6 5/8	6 1/2	6 5/8	6 3/4	11 7/8	2 5/8	1/4	3/8	2 1/4	1 1/2	4 1/2					
2S	24	1 1/2	1 1/2	3/8	1/2	6	3	2 1/2	5 1/2	7	8 1/8	8 1/8	8 1/2	8 5/8	16	3 1/2	3/8	1/2	3	2	6					
2M	30	36	1 7/8	1/2	5/8	8	2 1/2	2 5/8	6 7/8	8	10 1/2	10 1/2	11 1/4	11 1/4	20	4 3/8	1/2	5/8	3 3/4	2 1/2	7 1/2					
3	36	48	1 7/8	1/2	5/8	10	5 1/4	3 1/4	9	10 1/2	12 3/4	12 3/4	13 1/4	13 1/2	24	5 5/8	1/2	3/4	4 3/4	3	9					
4	36	48	1 7/8	1/2	5/8	10	5 1/4	3 1/4	9	10 1/2	12 3/4	12 3/4	13 1/4	13 1/2	24	5 5/8	1/2	3/4	4 3/4	3	9					
5																										

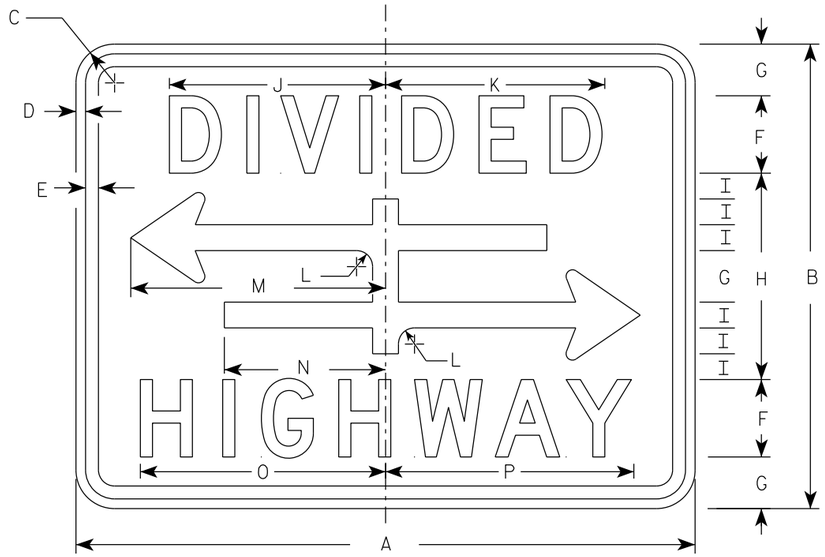
STANDARD SIGN
R6-2 R&L

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/2/10 PLATE NO. R6-2.8

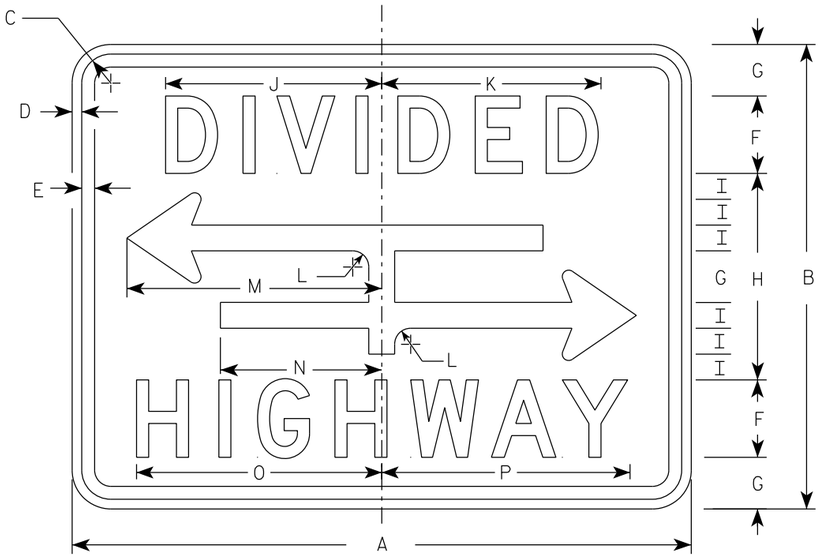
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 985	E



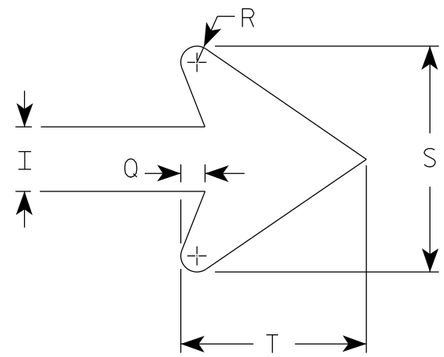
R6-3

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D



R6-3A



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24	18	1 1/2	3/8	3/8	3	2	8	1	8 3/8	8 1/2	5/8	9 7/8	6 1/4	9 1/2	9 5/8	3/8	1/4	3 1/2	2 3/4							3.0
2S	30	24	1 1/2	3/8	1/2	4	2 5/8	10 3/4	1 3/8	10 1/2	10 5/8	7/8	12 1/2	7 7/8	12 1/4	12 3/8	1/2	3/8	4 5/8	3 5/8							5.0
2M	30	24	1 1/2	3/8	1/2	4	2 5/8	10 3/4	1 3/8	10 1/2	10 5/8	7/8	12 1/2	7 7/8	12 1/4	12 3/8	1/2	3/8	4 5/8	3 5/8							5.0
3																											
4																											
5																											

STANDARD SIGN
R6-3 & R6-3A

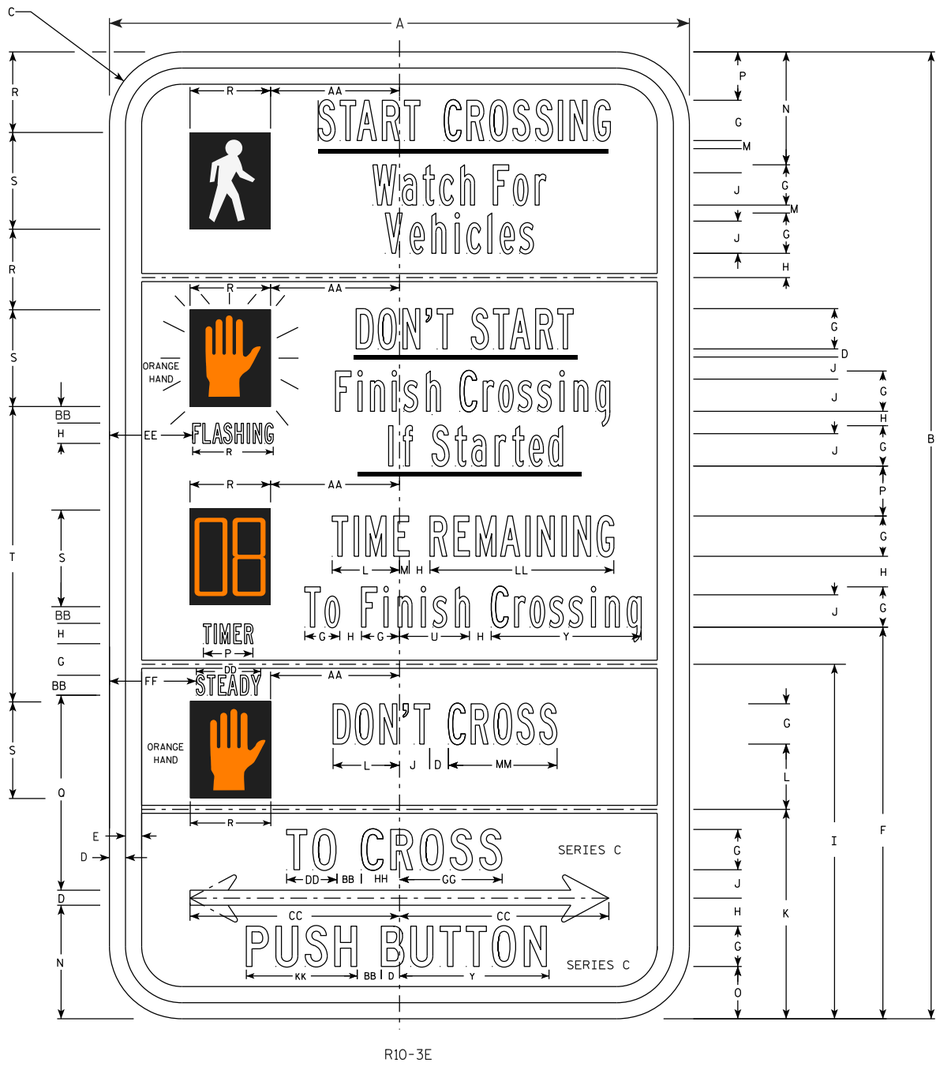
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 10/26/23 PLATE NO. R6-3.6

PROJECT NO:

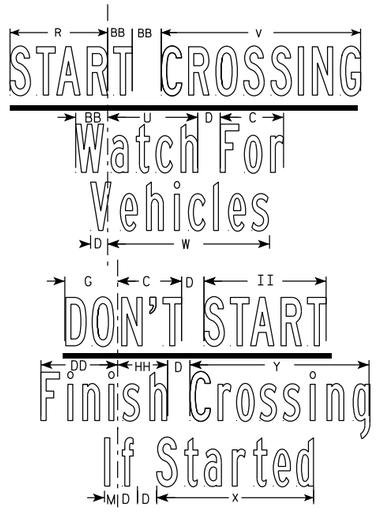
SHEET NO: 986 E



R10-3E

NOTES

1. All Signs Type II - Type H Reflective
2. Color:
   Background - WHITE
   Message - BLACK except Hand Symbol which is Orange with black background.
3. Message Series - B or as noted on the sign.
4. R10-3ER (right arrow)
   R10-3EL (left arrow)
   R10-3ED (double arrow)



SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	6	10	1 1/2	1/8	1/8	4	3/8	1/4	4 1/8	1/4	2 1/8	3/4	1/8	1 1/8	1/2	1/2	2 1/4	7/8	1	3	3/4	1 3/4	1 5/8	1 3/8	1 1/2	5/8	0.42
2S	9	15	1 1/2	1/4	1/4	6 1/8	5/8	3/8	5 1/2	1/2	3 1/4	1	1/8	1 3/4	7/8	3/4	3	1 1/4	1 1/2	4 5/8	1 1/8	2 5/8	2 1/8	2	2 3/8	1 3/8	0.94
2M	9	15	1 1/2	1/4	1/4	6 1/8	5/8	3/8	5 1/2	1/2	3 1/4	1	1/8	1 3/4	7/8	3/4	3	1 1/4	1 1/2	4 5/8	1 1/8	2 5/8	2 1/8	2	2 3/8	1 3/8	0.94
3																											
4																											

SIZE	AA	BB	CC	DD	EE	FF	GG	HH	II	JJ	KK	LL	MM	NN	OO	PP	QQ	RR	SS	TT	UU	VV	WW	XX	YY	ZZ	Area sq. ft.
1	1 3/8	1/4	2 1/4	1/2	7/8	7/8	1 1/8	3/8	1	1/2	1 1/8	1 7/8	1 1/8														
2S	2	3/8	3 1/4	1	1 1/4	1 3/8	1 5/8	5/8	1 5/8	3/4	1 3/4	2 7/8	1 5/8														
2M	2	3/8	3 1/4	1	1 1/4	1 3/8	1 5/8	5/8	1 5/8	3/4	1 3/4	2 7/8	1 5/8														
3																											
4																											

STANDARD SIGN
R10-3EL,R,D

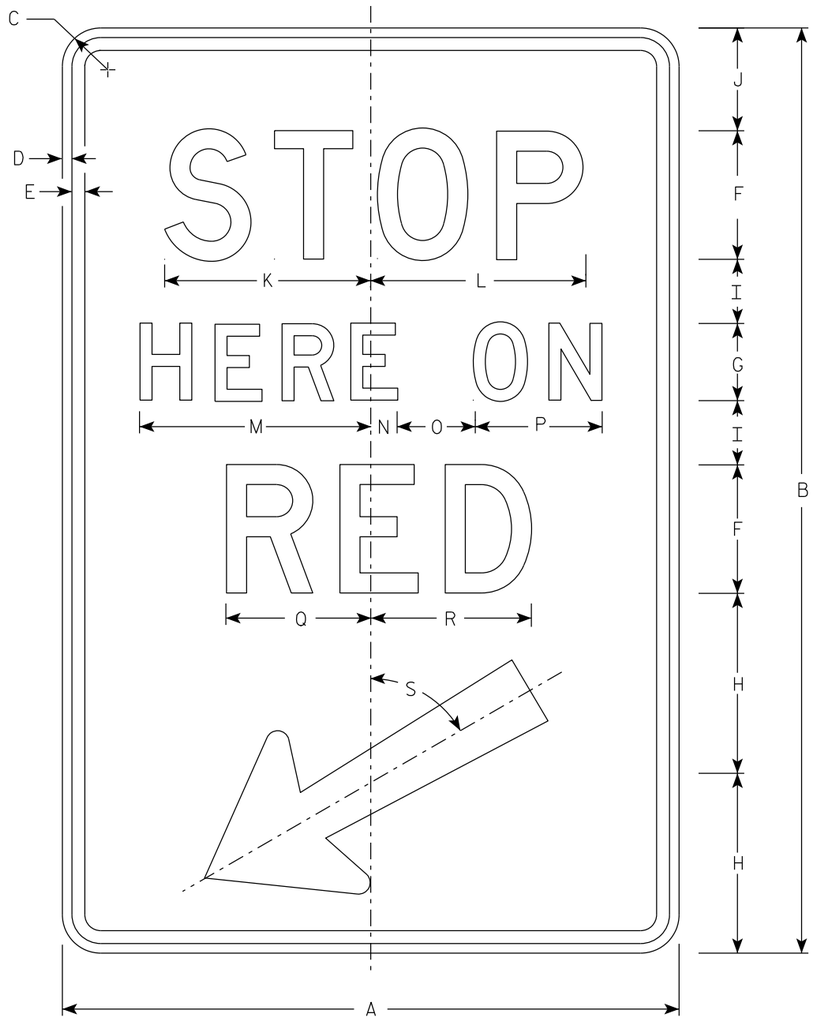
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/25/24 PLATE NO. R10-3E.3

PROJECT NO:

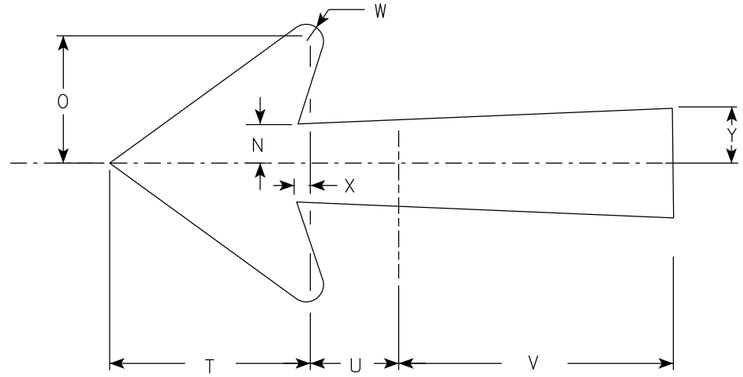
SHEET NO: 987 E



R10-6

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D



Arrow Detail

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Areq sq. ft.
1																											
2S	24	36	1 1/2	3/8	1/2	5	3	7	2 1/2	4	8	8 3/8	9	1	3	5	5 5/8	6 1/4	60°	5 1/4	2 1/4	7 1/8	1/2	3/8	1 3/8		6.0
2M	24	36	1 1/2	3/8	1/2	5	3	7	2 1/2	4	8	8 3/8	9	1	3	5	5 5/8	6 1/4	60°	5 1/4	2 1/4	7 1/8	1/2	3/8	1 3/8		6.0
3																											
4																											
5																											

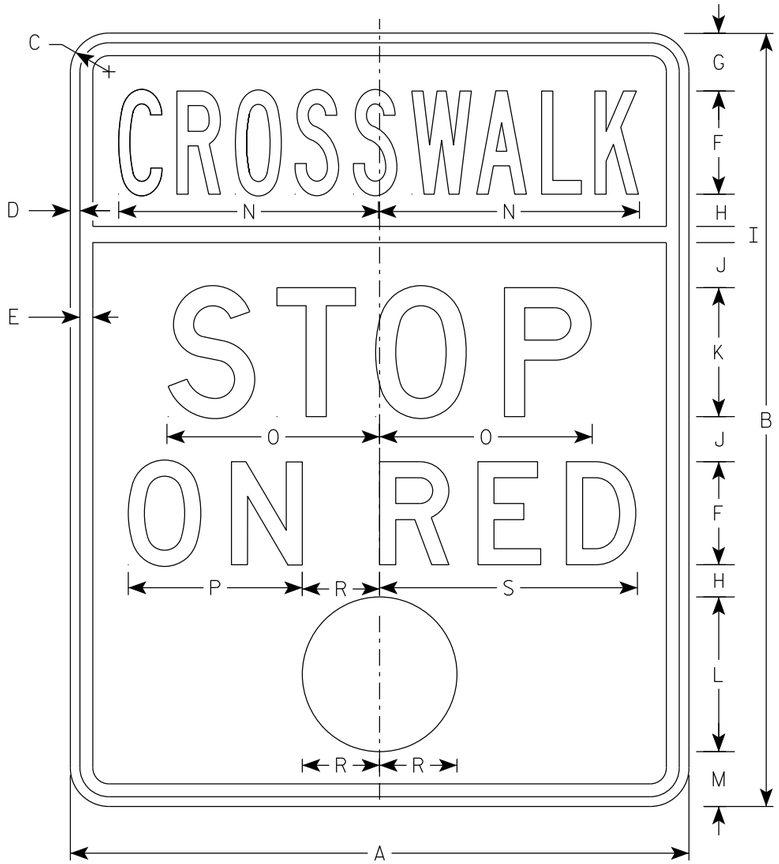
STANDARD SIGN
R10-6

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/25/24 PLATE NO. R10-6.7

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 988	E



R10-23

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black (See Note 4)
3. Message Series - D except Line 1 is Series B
4. The circle shall be Red Type H reflective sheeting.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	30	1 1/2	3/8	1/2	4	2 1/4	1 1/4	5/8	1 3/4	5	6	2 1/8	10 1/8	8 1/4	6 3/4		3	10								5.0
2M	24	30	1 1/2	3/8	1/2	4	2 1/4	1 1/4	5/8	1 3/4	5	6	2 1/8	10 1/8	8 1/4	6 3/4		3	10								5.0
3																											
4																											
5																											

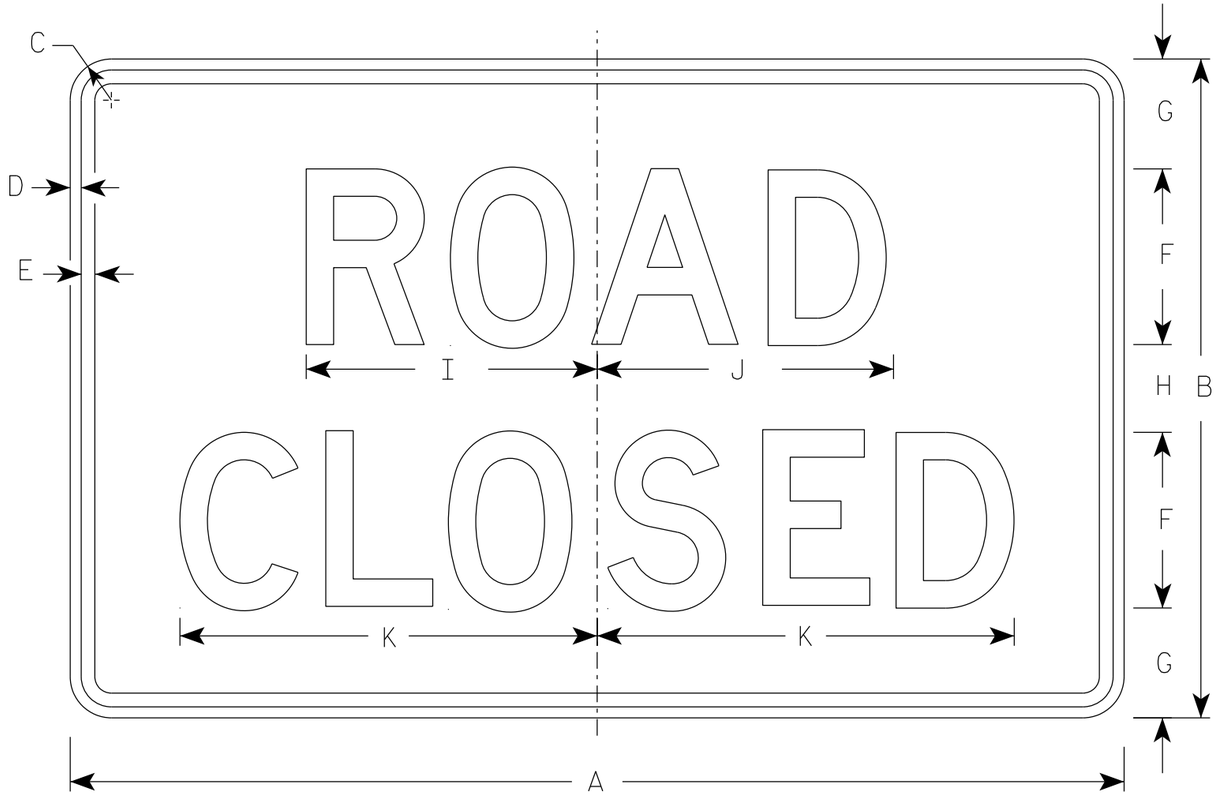
STANDARD SIGN
R10-23

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/5/24 PLATE NO. R10-23.2

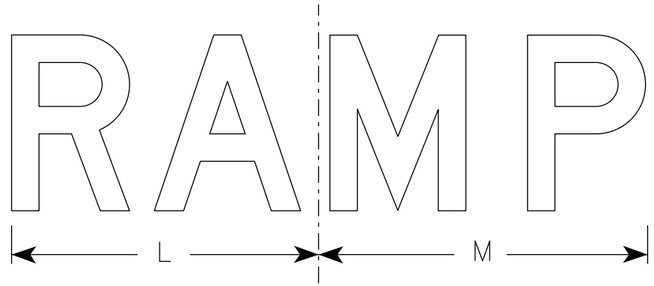
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 989 | E



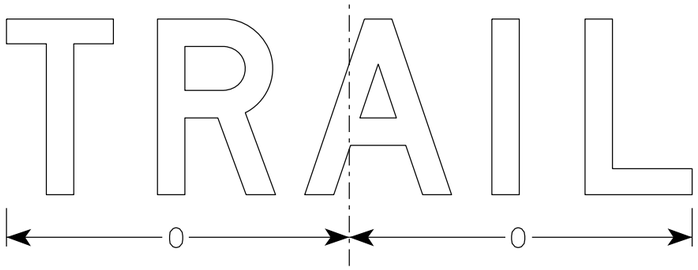
R11-2

NOTES

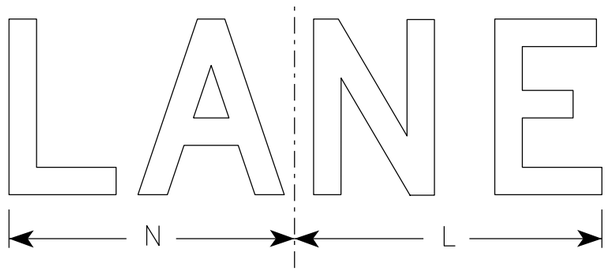
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Modify the message as required.



R11-2R



R11-2T



R11-2L

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	48	30	1 7/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13	15 5/8												10.0
2M	48	30	1 7/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13	15 5/8												10.0
3	48	30	1 7/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13	15 5/8												10.0
4	48	30	1 7/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13	15 5/8												10.0
5	48	30	1 7/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13	15 5/8												10.0

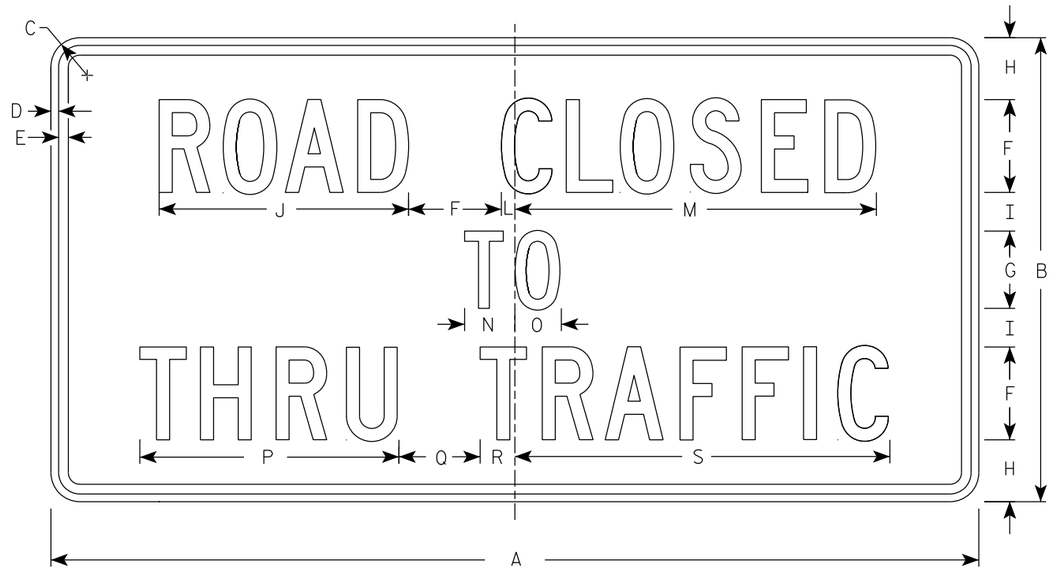
STANDARD SIGN
R11-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/5/24 PLATE NO. R11-2.12

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 990	E



R11-4

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	60	30	1 7/8	1/2	5/8	6	5	4	2 1/2	16 1/8		7/8	23 3/8	3 1/4	3	16 3/4	5 1/4	2 1/4	24 1/4								12.5
2M	60	30	1 7/8	1/2	5/8	6	5	4	2 1/2	16 1/8		7/8	23 3/8	3 1/4	3	16 3/4	5 1/4	2 1/4	24 1/4								12.5
3																											
4																											
5																											

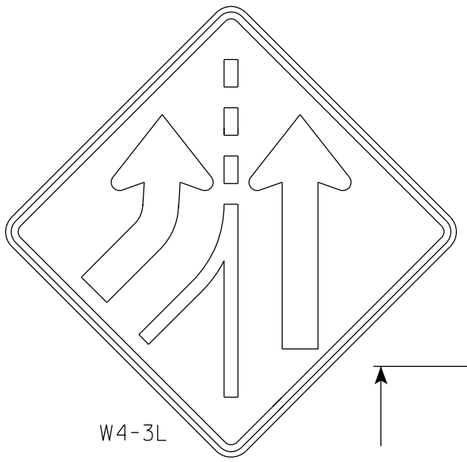
STANDARD SIGN
R11 - 4

WISCONSIN DEPT OF TRANSPORTATION

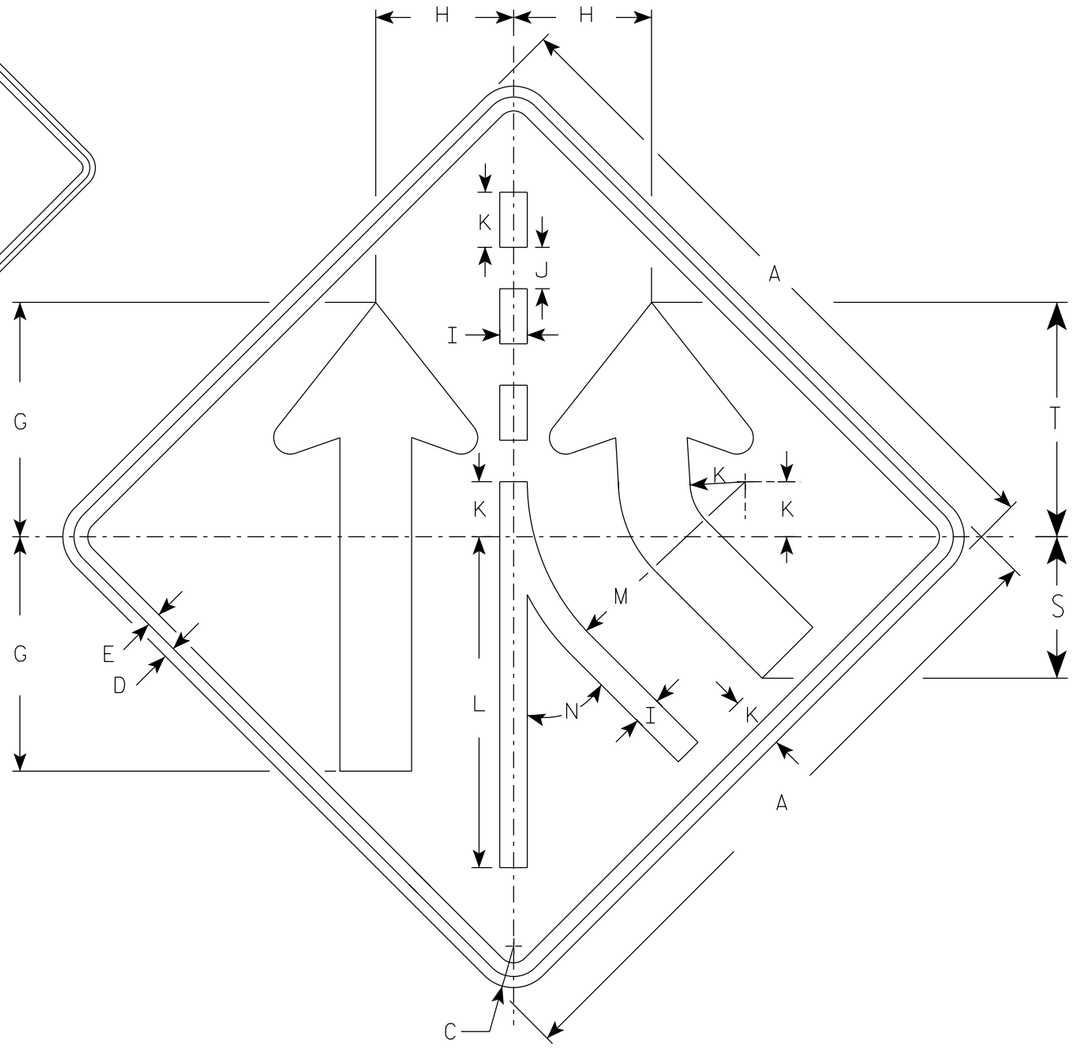
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/5/24 PLATE NO. R11-4.4

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 991 | E



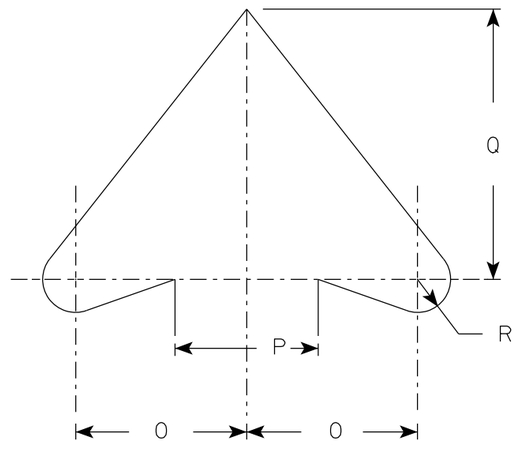
W4-3L



W4-3R

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Yellow
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. W4-3 L is the same as W4-3 R except the arrow is reversed along the vertical centerline.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30		1 7/8	1/2	5/8		10 5/8	6 1/4	1 1/4	1 7/8	2 1/2	15	9 7/8	45°	3 7/8	3 1/4	6 1/8	3/4	6 3/8	10 5/8							6.25
2S	36		2 1/4	5/8	3/4		12 3/4	7 1/2	1 1/2	2 1/4	3	18	11 7/8	45°	4 5/8	4	7 3/8	7/8	7 3/4	12 3/4							9.0
2M	36		2 1/4	5/8	3/4		12 3/4	7 1/2	1 1/2	2 1/4	3	18	11 7/8	45°	4 5/8	4	7 3/8	7/8	7 3/4	12 3/4							9.0
3	36		2 1/4	5/8	3/4		12 3/4	7 1/2	1 1/2	2 1/4	3	18	11 7/8	45°	4 5/8	4	7 3/8	7/8	7 3/4	12 3/4							9.0
4	48		3	3/4	1		17	10	2	3	4	24	15 3/4	45°	6 1/4	5 1/2	9 7/8	1 1/4	10 1/4	17							16.0
5	48		3	3/4	1		17	10	2	3	4	24	15 3/4	45°	6 1/4	5 1/2	9 7/8	1 1/4	10 1/4	17							16.0

STANDARD SIGN
W4-3

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

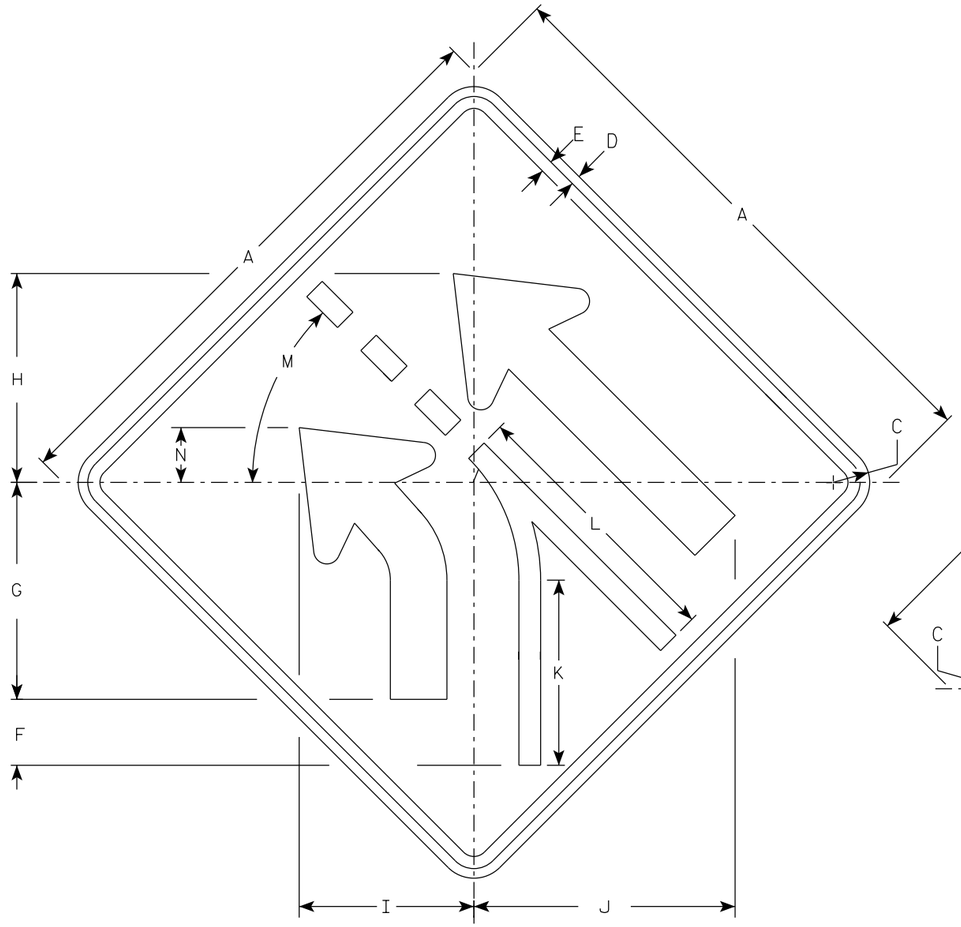
DATE 8/31/2023 PLATE NO. W4-3.10

PROJECT NO:

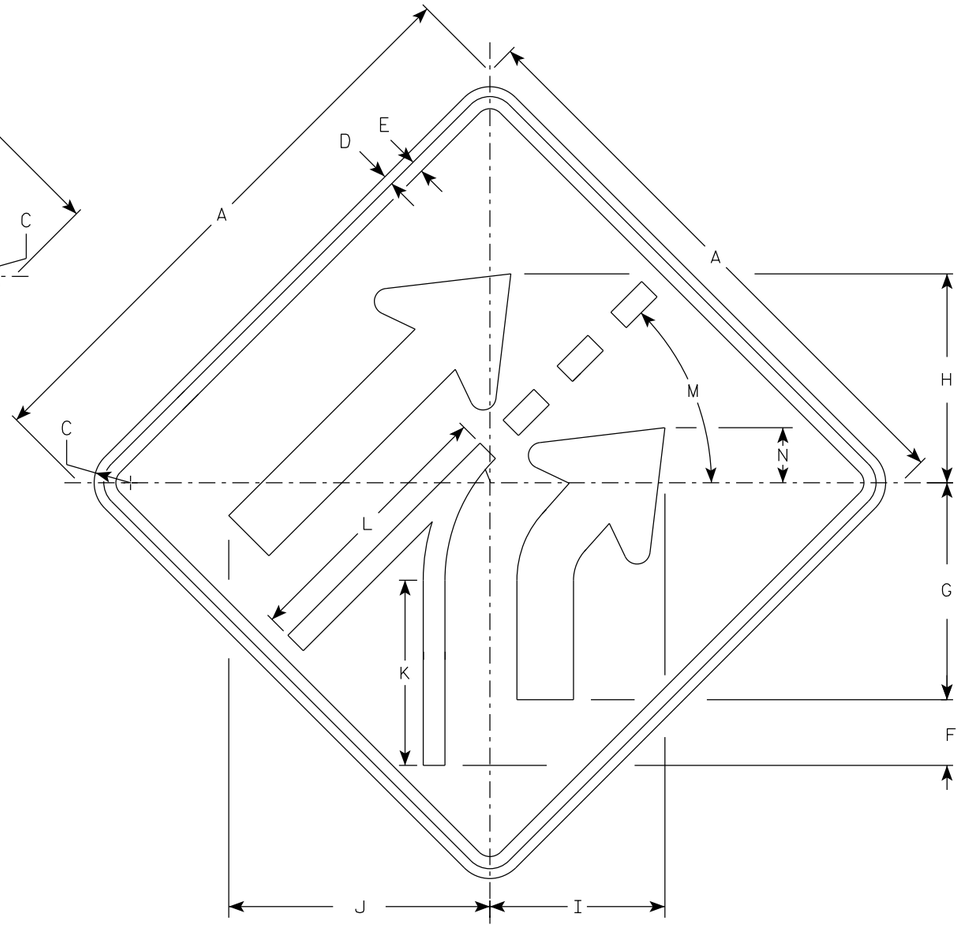
SHEET NO: 992 E

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Yellow
   Message - Black



W4-6L



W4-6R

* Scale and Rotate W4-3 and make modifications.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30		1 7/8	1/2	5/8	3 3/8	11 1/4	10 3/4	9	13 1/2	9 1/2	14	45°	2 7/8													6.25
2S	36		2 1/4	5/8	3/4	4	13 1/2	13	10 7/8	16 1/4	11 1/2	16 7/8	45°	3 3/8													9.0
2M	36		2 1/4	5/8	3/4	4	13 1/2	13	10 7/8	16 1/4	11 1/2	16 7/8	45°	3 3/8													9.0
3	36		2 1/4	5/8	3/4	4	13 1/2	13	10 7/8	16 1/4	11 1/2	16 7/8	45°	3 3/8													9.0
4	48		3	3/4	1	5 3/8	18	17 1/4	14 1/2	21 5/8	15 1/4	22 1/2	45°	4 1/2													16.0
5	48		3	3/4	1	5 3/8	18	17 1/4	14 1/2	21 5/8	15 1/4	22 1/2	45°	4 1/2													16.0

STANDARD SIGN
W4-6

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 9/5/2023 PLATE NO. W4-6.6

PROJECT NO:

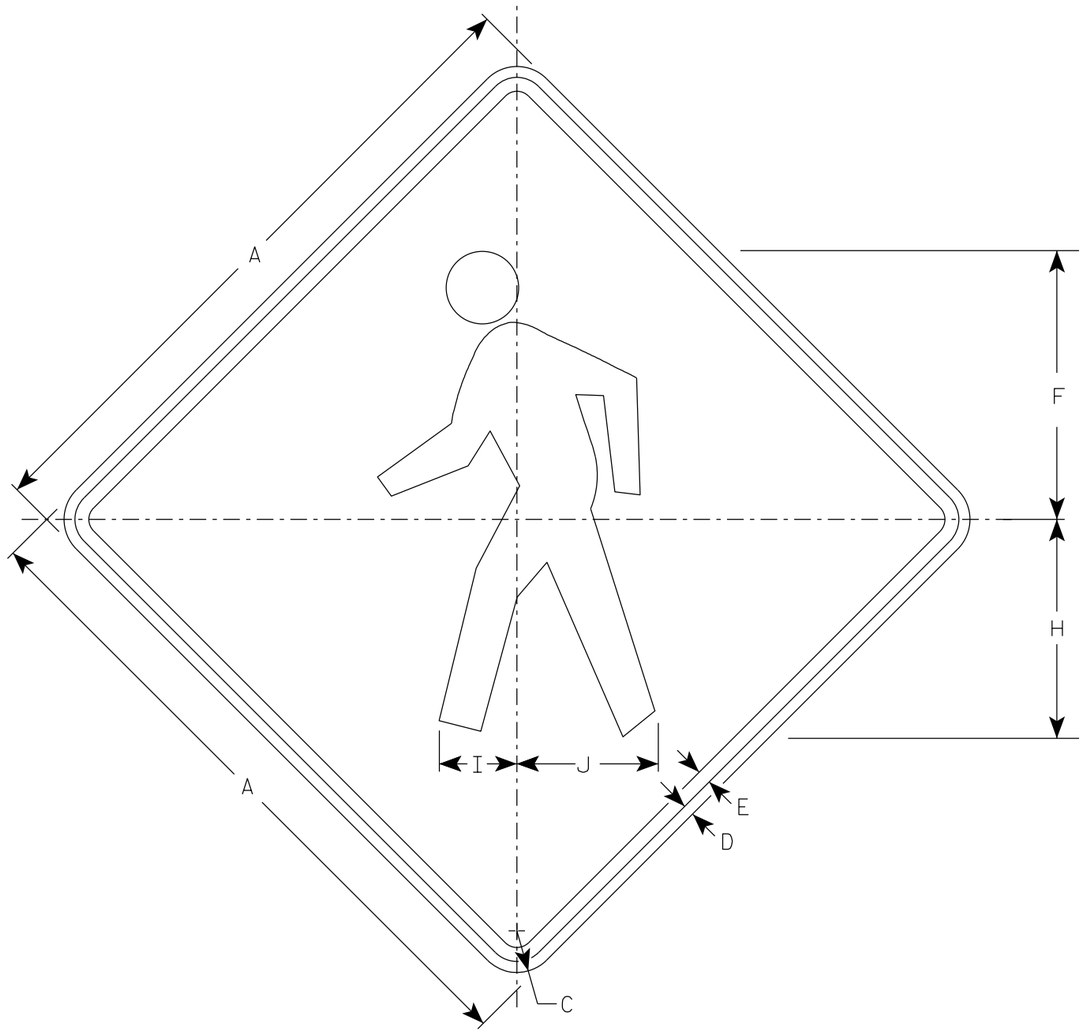
SHEET NO: 993 E

FILE NAME : C:\Users\PROJECTS\tr_stdplate\W46.dgn PLOT DATE : 5-SEPT 2023 11:05 PLOT BY : dotc4c

WISDOT/CADDS SHEET 42

7

7



W11-2

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Yellow
   Message - Black

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24		1 1/2	3/8	1/2	9 3/4		7 7/8	2 7/8	5 1/8																	4.0
2S	30		1 7/8	1/2	5/8	12 1/8		9 7/8	3 1/2	6 3/8																	6.25
2M	36		2 1/4	5/8	3/4	14 1/2		11 7/8	4 1/4	7 5/8																	9.0
3	36		2 1/4	5/8	3/4	14 1/2		11 7/8	4 1/4	7 5/8																	9.0
4	48		3	3/4	1	19 3/8		15 3/4	5 5/8	10 1/4																	16.0
5																											

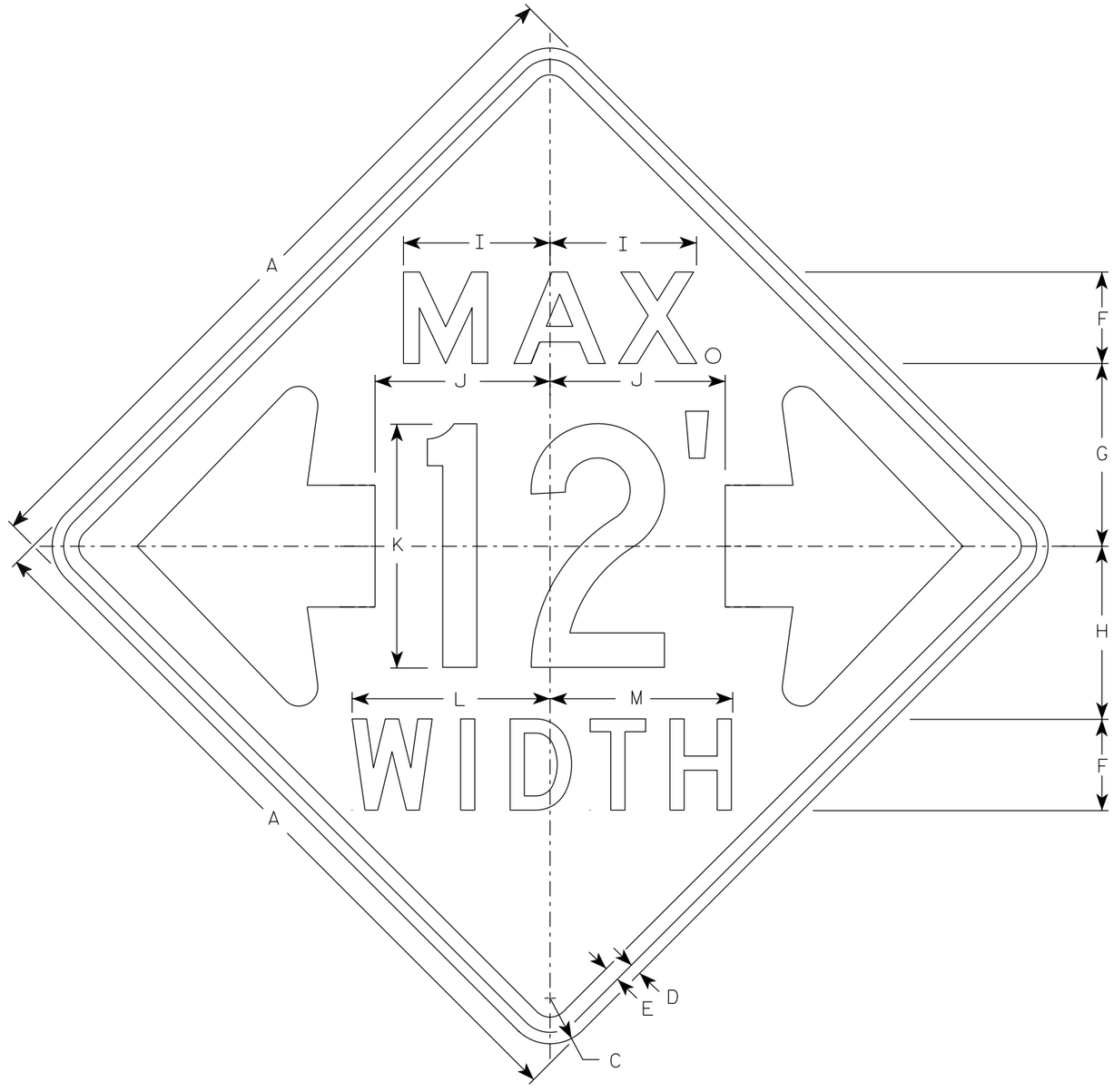
STANDARD SIGN
W11-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 6/15/2023 PLATE NO. W11-2.9

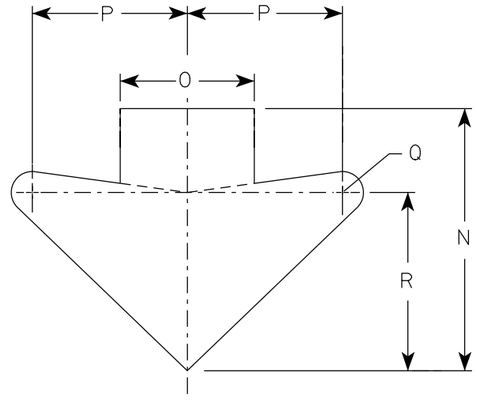
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 994 E



W12-52

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - See note 5
4. The top line is series E, the numerals are series C, and the bottom line is series D.
5. Substitute appropriate numerals and adjust spacing as required.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	48		3	¾	1	6	12	11 ⅜	9 ⅝	11 ½	16	13	12	15 ⅝	8	9 ¼	1 ¼	10 ⅝									16.0
2M	48		3	¾	1	6	12	11 ⅜	9 ⅝	11 ½	16	13	12	15 ⅝	8	9 ¼	1 ¼	10 ⅝									16.0
3																											
4																											
5																											

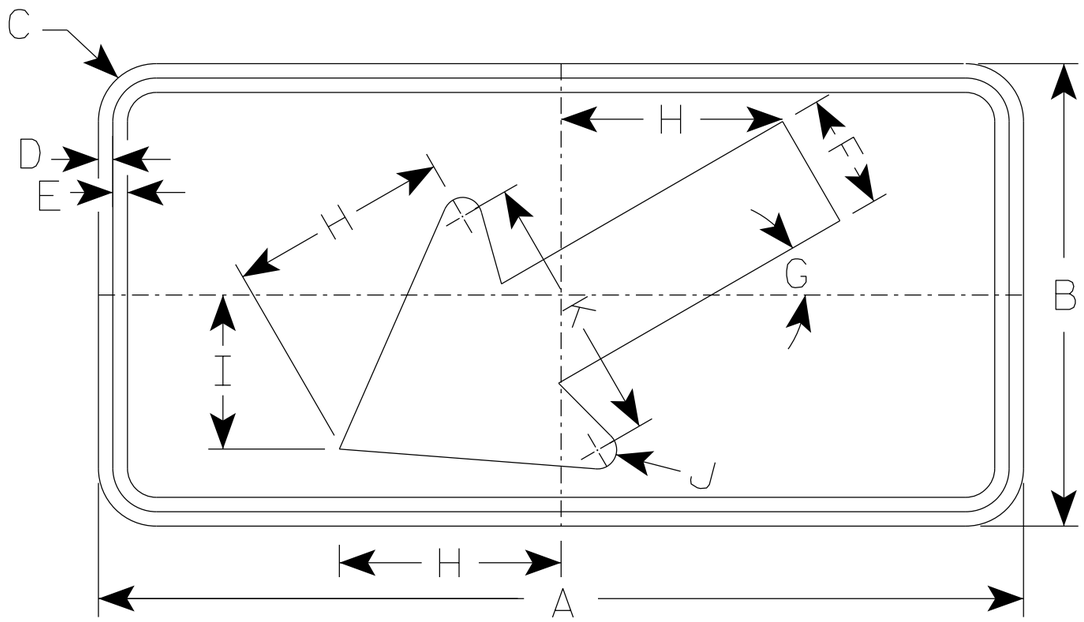
STANDARD SIGN
W12-52

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/10/2024 PLATE NO. W12-52.8

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 995 | E



W16-7L

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Yellow
   Message - Black
3. W16-7R is the same as W16-7L except the arrow is reversed along the vertical centerline.

* For 36" x 36" Warning Signs, use 30" x 18" W16-7L signs.
* For 48" x 48" Warning Signs, use 48" x 24" W16-7L signs.

	SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
	1																											
	2S	24	12	1 ½	⅜	⅜	3	30°	5 ¾	4	½	7																2.0
*	2M	30	18	1 ½	⅜	½	4 ½	30°	8 ½	6	⅝	10 ¼																3.75
*	3	30	18	1 ½	⅜	½	4 ½	30°	8 ½	6	⅝	10 ¼																3.75
*	4	48	24	1 ⅞	½	⅝	6	30°	11 ½	8	1	14																8.0
	5																											

STANDARD SIGN
W16-7

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

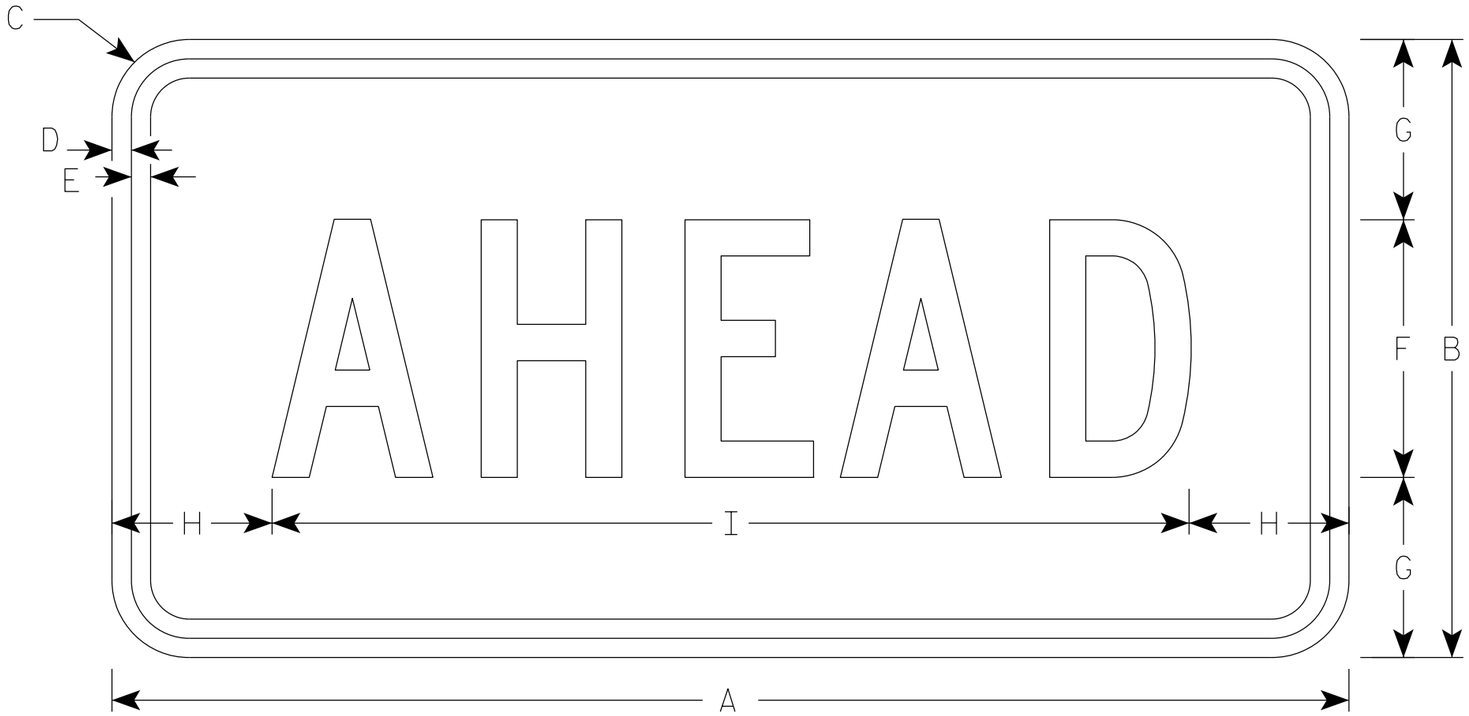
DATE 1/9/2024 PLATE NO. W16-7.9

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 996 E

7

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Yellow
   Message - Black
3. Message Series - C



W16-9P

* For 36" x 36" Warning Signs, use 30" x 18" W16-9P signs.
* For 48" x 48" Warning Signs, use 48" x 24" W16-9P signs.

	SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
	1																											
	2S	24	12	1 1/2	3/8	3/8	5	3 1/2	3 1/8	17 3/4																		2.0
*	2M	30	18	1 1/2	3/8	1/2	7	5 1/2	2 3/4	24 1/2																		3.75
*	3	30	18	1 1/2	3/8	1/2	7	3 1/2	2 3/4	24 1/2																		3.75
*	4	48	24	1 7/8	1/2	5/8	10	7	6 1/8	35 3/4																		8.0
	5																											

STANDARD SIGN
W16-9P

WISCONSIN DEPT OF TRANSPORTATION

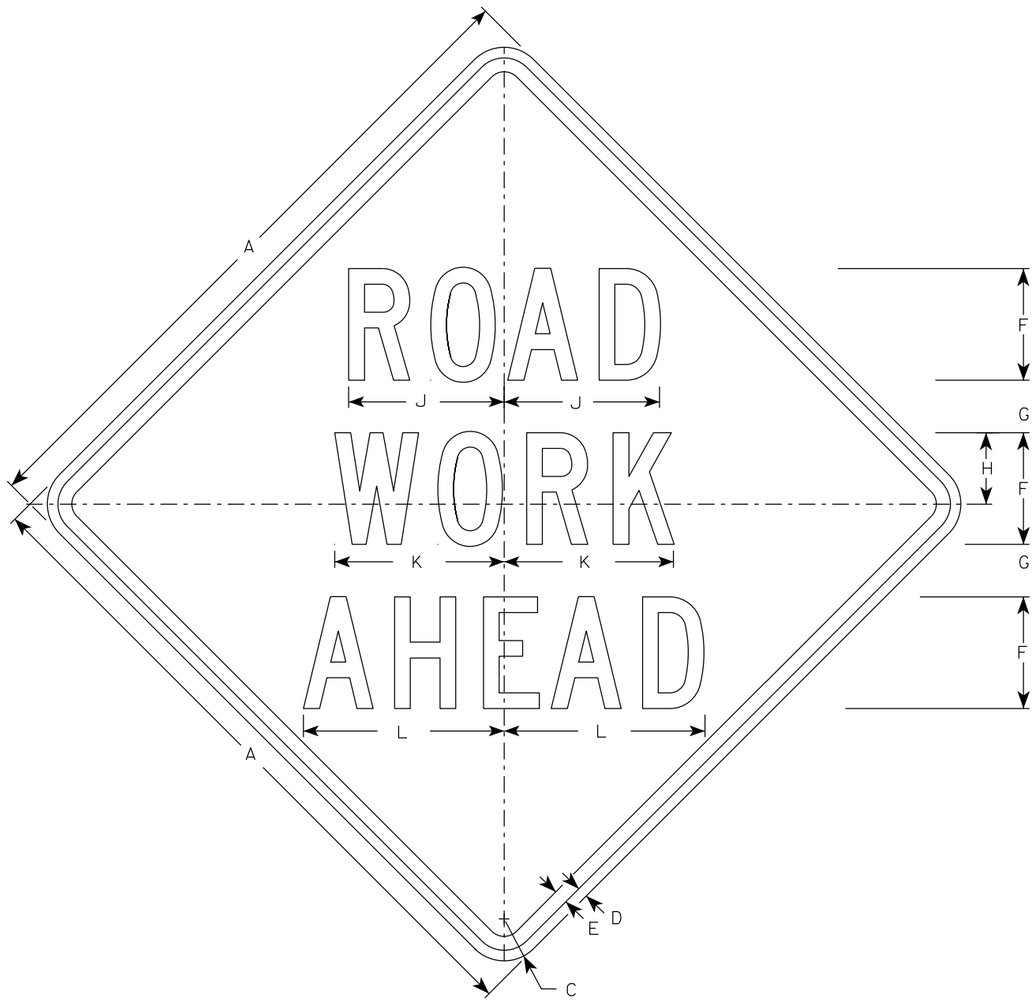
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/9/2024 PLATE NO. W16-9P.9

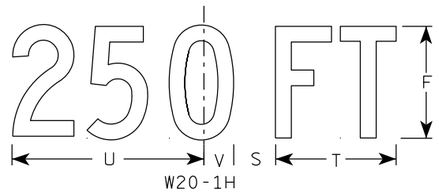
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 997 E

NOTES

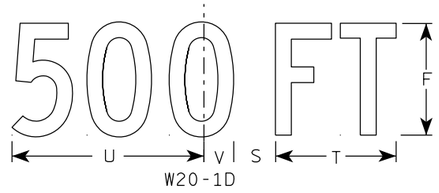
1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



W20-1A



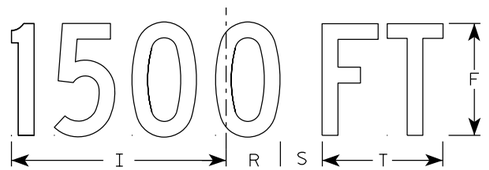
W20-1H



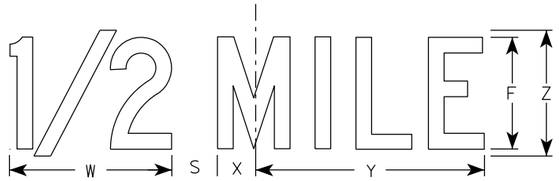
W20-1D



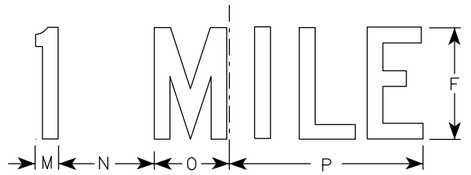
W20-1C



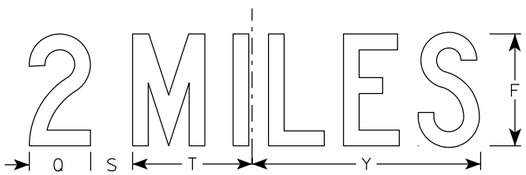
W20-1B



W20-1G



W20-1F



W20-1E

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		2 1/4	5/8	3/4	5	2 5/8	3 1/4	10 1/8	7	7 5/8	8 7/8	1 1/8	4 1/2	3 1/2	9	3 1/4	2 1/2	2 1/4	5 5/8	9	1 3/8	8	1 3/4	10 3/4	6	9.0
2S	48		3	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
2M	48		3	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
3	48		3	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
4	48		3	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
5	48		3	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0

STANDARD SIGN
W20-1A, B, C, D, E, F, G & H

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/10/2024 PLATE NO. W20-1.12

PROJECT NO:

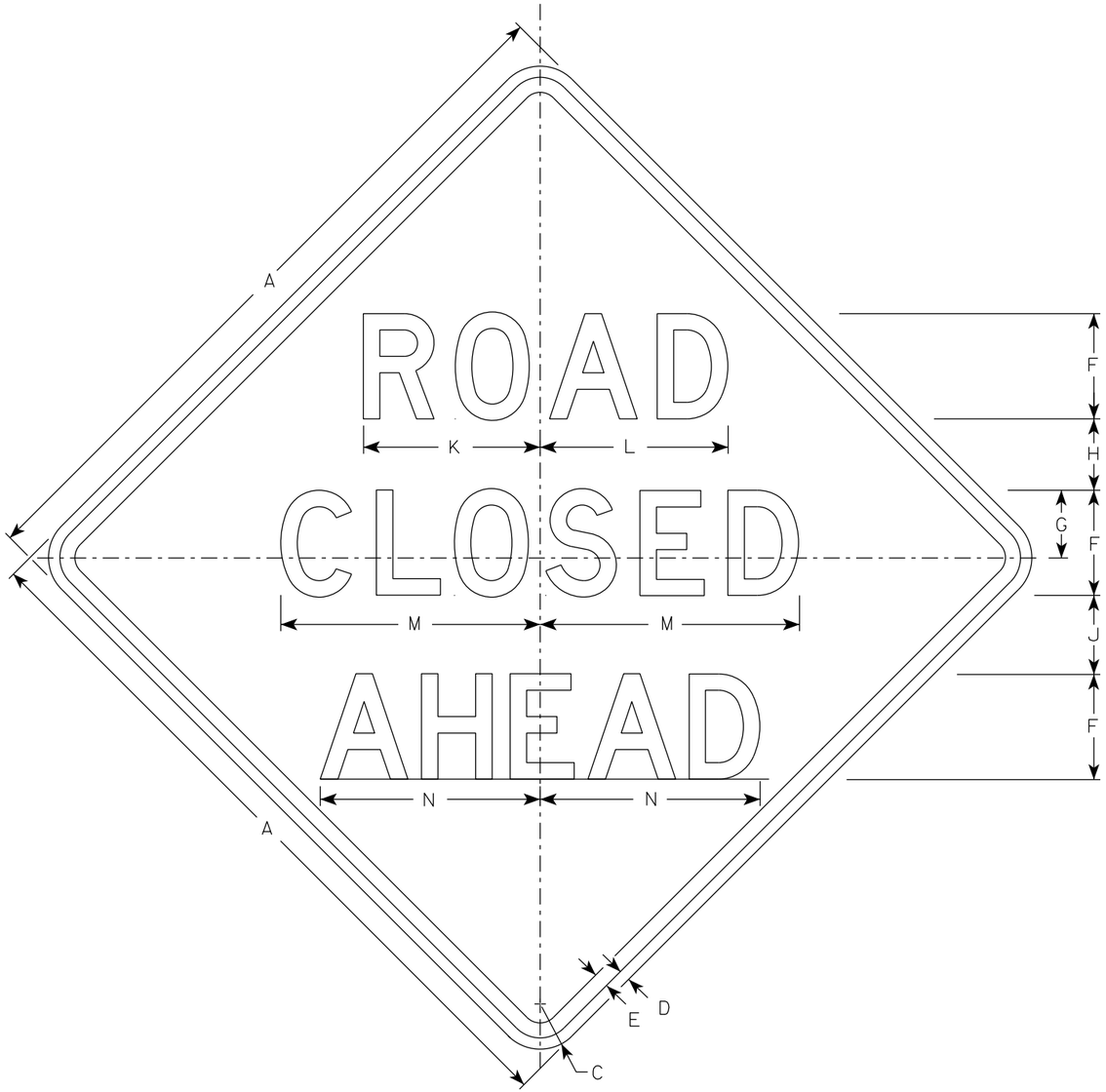
SHEET NO: 998 E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W201.DGN PLOT DATE : 10-JAN 2024 11:16 PLOT BY : dotc4c

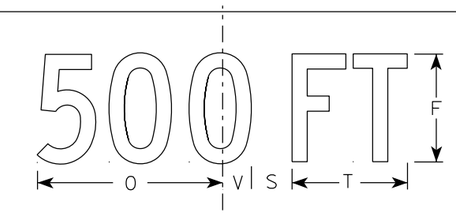
WISDOT/CADDS SHEET 42

7

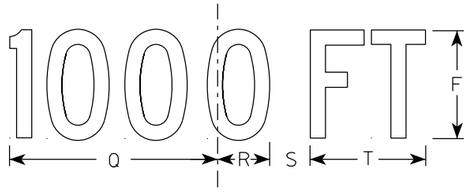
7



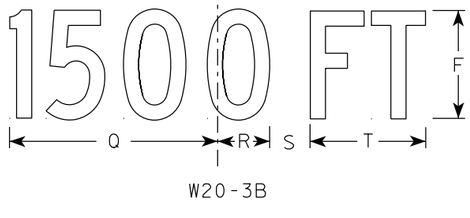
W20-3A



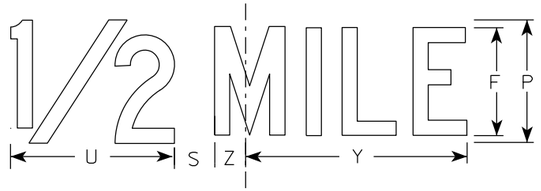
W20-3D



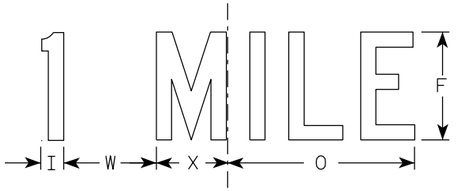
W20-3C



W20-3B



W20-3G



W20-3F

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - see note 5
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Lines 1 and 2 are Series D.
   Line 3 is Series D for AHEAD and Series C for all other distances.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		2 1/4	5/8	3/4	5	3 3/8	3 1/2	1 1/8	4	8 3/8	8 7/8	12 1/2	11	9	6	10 1/8	2 1/2	1 7/8	5 5/8	8	1 3/8	4 1/2	3 1/2	10 3/4	1 3/4	9.0
2S	48		3	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0
2M	48		3	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0
3	48		3	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0
4	48		3	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0
5	48		3	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0

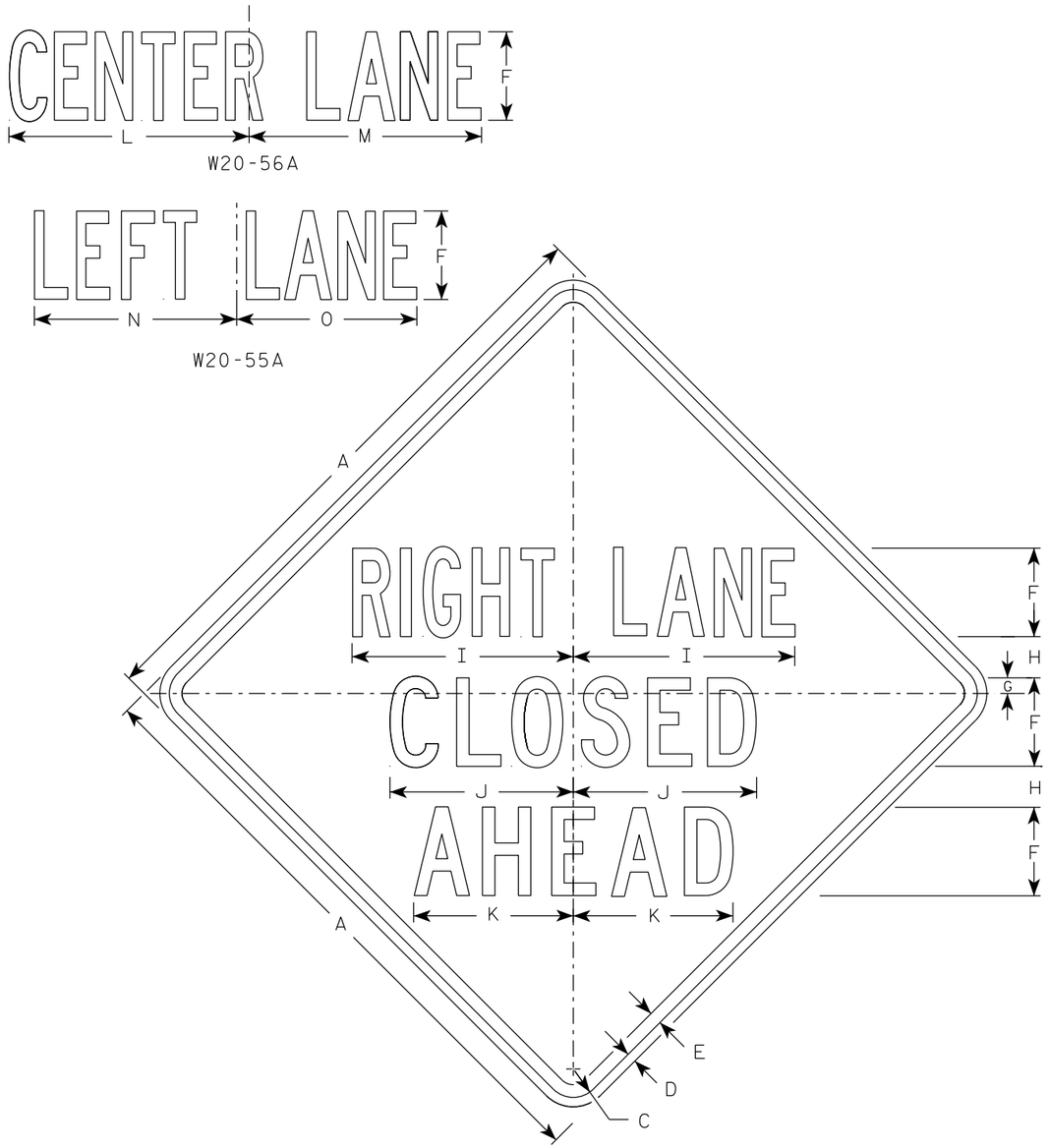
STANDARD SIGN
W20-3A, B, C, D, F & G

WISCONSIN DEPT OF TRANSPORTATION

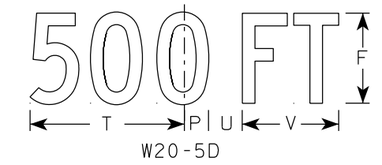
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/10/2024 PLATE NO. W20-3.8

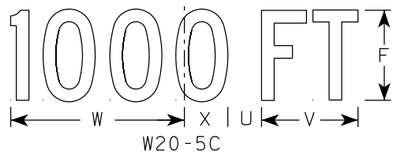
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 999 | E



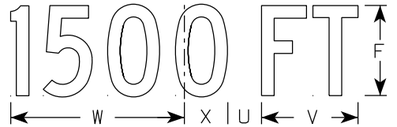
W20-5A



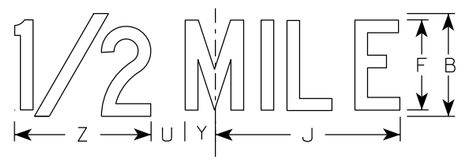
W20-5D



W20-5C



W20-5B



W20-5G



W20-5F

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - See Note 5
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. " _____ LANE" is Series B.
   All other copy is Series C.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36	6	2 1/4	5/8	3/4	5	7/8	2 1/2	13 1/8	10 3/4	9 1/2	14 1/4	13 5/8	12	12	1 3/8	1 1/8	4 1/2	3 1/2	9	1 7/8	5 5/8	10 1/8	2 1/2	1 3/4	8	9.0
2S	48	8	3	3/4	1	7	1 1/4	3 1/4	17 1/2	14 3/8	12 5/8	19	18 3/8	16	14 1/4	1 7/8	1 1/2	6	4 5/8	12	2 5/8	7 1/2	13 1/2	3 3/8	2 3/8	10 5/8	16.0
2M	48	8	3	3/4	1	7	1 1/4	3 1/4	17 1/2	14 3/8	12 5/8	19	18 3/8	16	14 1/4	1 7/8	1 1/2	6	4 5/8	12	2 5/8	7 1/2	13 1/2	3 3/8	2 3/8	10 5/8	16.0
3	48	8	3	3/4	1	7	1 1/4	3 1/4	17 1/2	14 3/8	12 5/8	19	18 3/8	16	14 1/4	1 7/8	1 1/2	6	4 5/8	12	2 5/8	7 1/2	13 1/2	3 3/8	2 3/8	10 5/8	16.0
4	48	8	3	3/4	1	7	1 1/4	3 1/4	17 1/2	14 3/8	12 5/8	19	18 3/8	16	14 1/4	1 7/8	1 1/2	6	4 5/8	12	2 5/8	7 1/2	13 1/2	3 3/8	2 3/8	10 5/8	16.0
5	48	8	3	3/4	1	7	1 1/4	3 1/4	17 1/2	14 3/8	12 5/8	19	18 3/8	16	14 1/4	1 7/8	1 1/2	6	4 5/8	12	2 5/8	7 1/2	13 1/2	3 3/8	2 3/8	10 5/8	16.0

STANDARD SIGN
W20-5A, B, C, D, F & G

WISCONSIN DEPT OF TRANSPORTATION

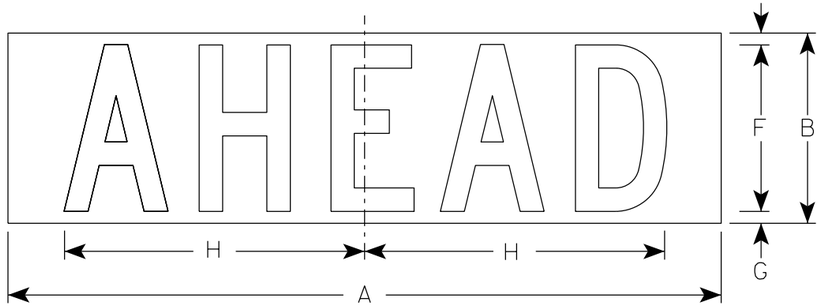
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/27/24 PLATE NO. W20-5.12

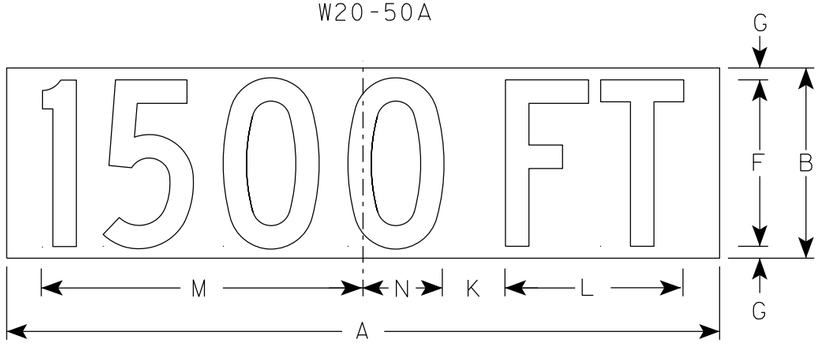
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 1000 E

NOTES

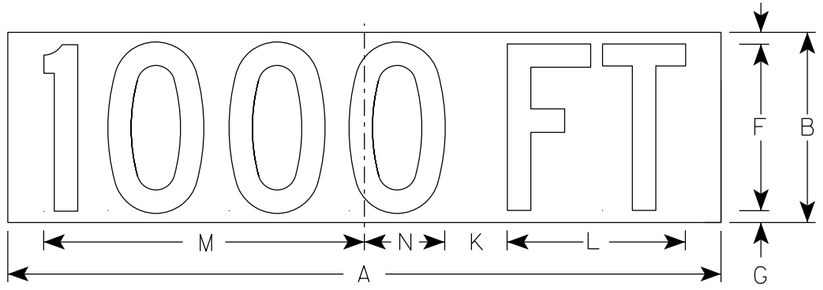
1. All Signs Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - C
4. These plaques are for changing the distance shown on signs W20 series of signs.



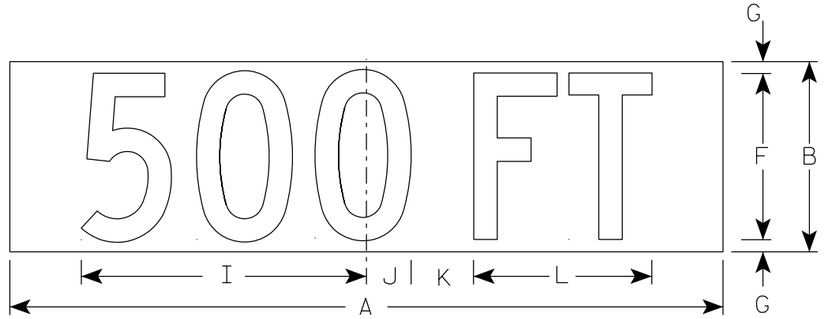
W20-50A



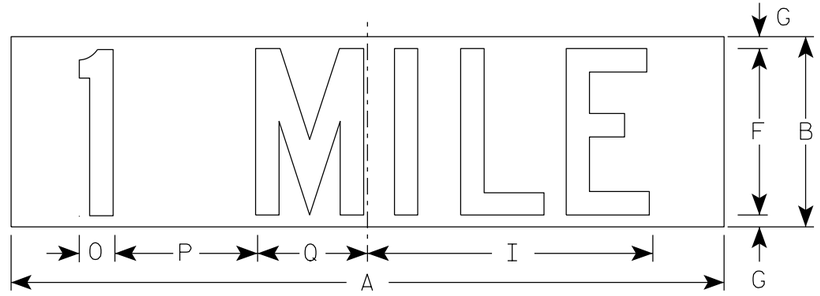
W20-50B



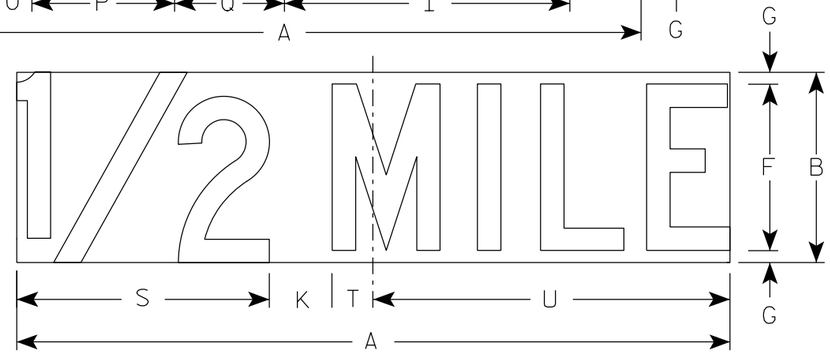
W20-50C



W20-50D



W20-50F



W20-50G

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	22	6				5	½	9 ½	9	1 ⅜	1 ⅞	5 ⅝	10 ⅛	2 ½	1 ⅛	4 ½	3 ½		8	1 ¾	10 ¾						0.92
2S	30	8				7	½	12 ⅝	12	1 ⅞	2 ⅝	7 ½	13 ½	3 ⅜	1 ½	6	4 ⅝		10 ⅝	2 ⅜	14 ⅜						1.67
2M	30	8				7	½	12 ⅝	12	1 ⅞	2 ⅝	7 ½	13 ½	3 ⅜	1 ½	6	4 ⅝		10 ⅝	2 ⅜	14 ⅜						1.67
3	30	8				7	½	12 ⅝	12	1 ⅞	2 ⅝	7 ½	13 ½	3 ⅜	1 ½	6	4 ⅝		10 ⅝	2 ⅜	14 ⅜						1.67
4	30	8				7	½	12 ⅝	12	1 ⅞	2 ⅝	7 ½	13 ½	3 ⅜	1 ½	6	4 ⅝		10 ⅝	2 ⅜	14 ⅜						1.67
5	30	8				7	½	12 ⅝	12	1 ⅞	2 ⅝	7 ½	13 ½	3 ⅜	1 ½	6	4 ⅝		10 ⅝	2 ⅜	14 ⅜						1.67

SUPPLEMENTARY MESSAGES
W20-50A, B, C, D, F, & G

WISCONSIN DEPT OF TRANSPORTATION

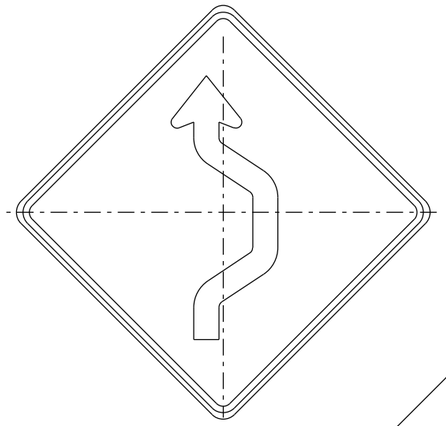
APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 3/12/2024 PLATE NO. W20-50.7

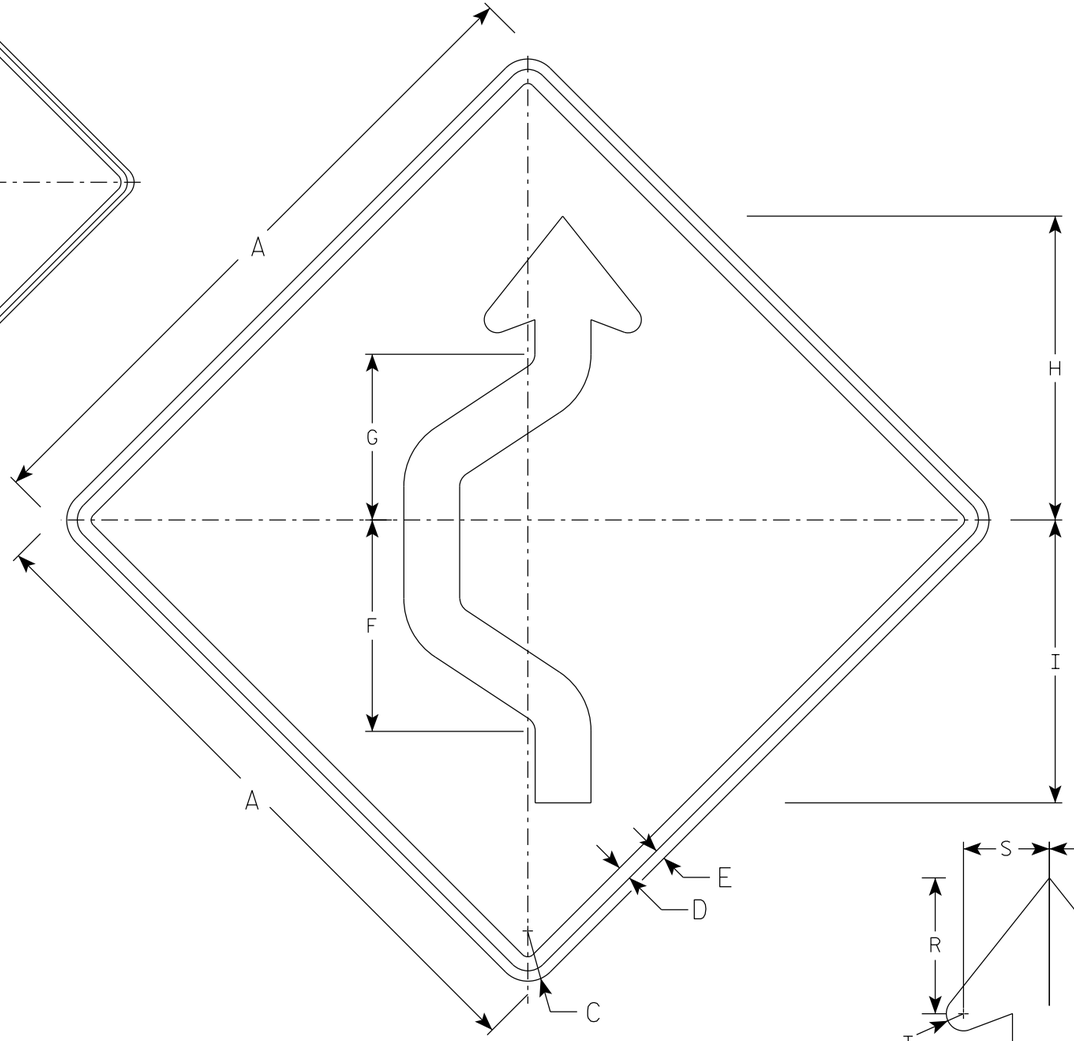
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 1001 E

7

7



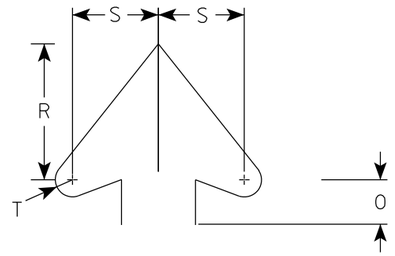
W24-1R



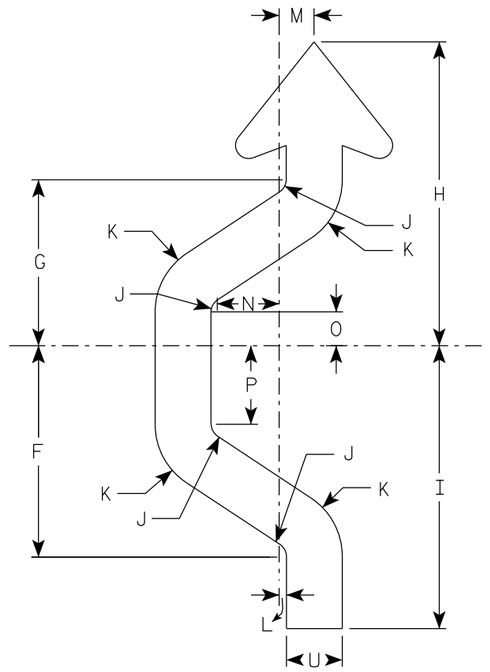
W24-1L

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Yellow
   Message - Black
3. W24-1R is the same as W24-1L except reversed along the vertical centerline.



Arrowhead Detail



Arrow Detail

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	36		2 1/4	5/8	1/2	11 3/8	8 7/8	16 3/8	15 1/4	3/4	3 3/4	3/8	2	3 3/8	1 7/8	4 1/4		5 1/2	3 1/2	5/8	3						9.0
2M	36		2 1/4	5/8	1/2	11 3/8	8 7/8	16 3/8	15 1/4	3/4	3 3/4	3/8	2	3 3/8	1 7/8	4 1/4		5 1/2	3 1/2	5/8	3						9.0
3																											
4																											
5																											

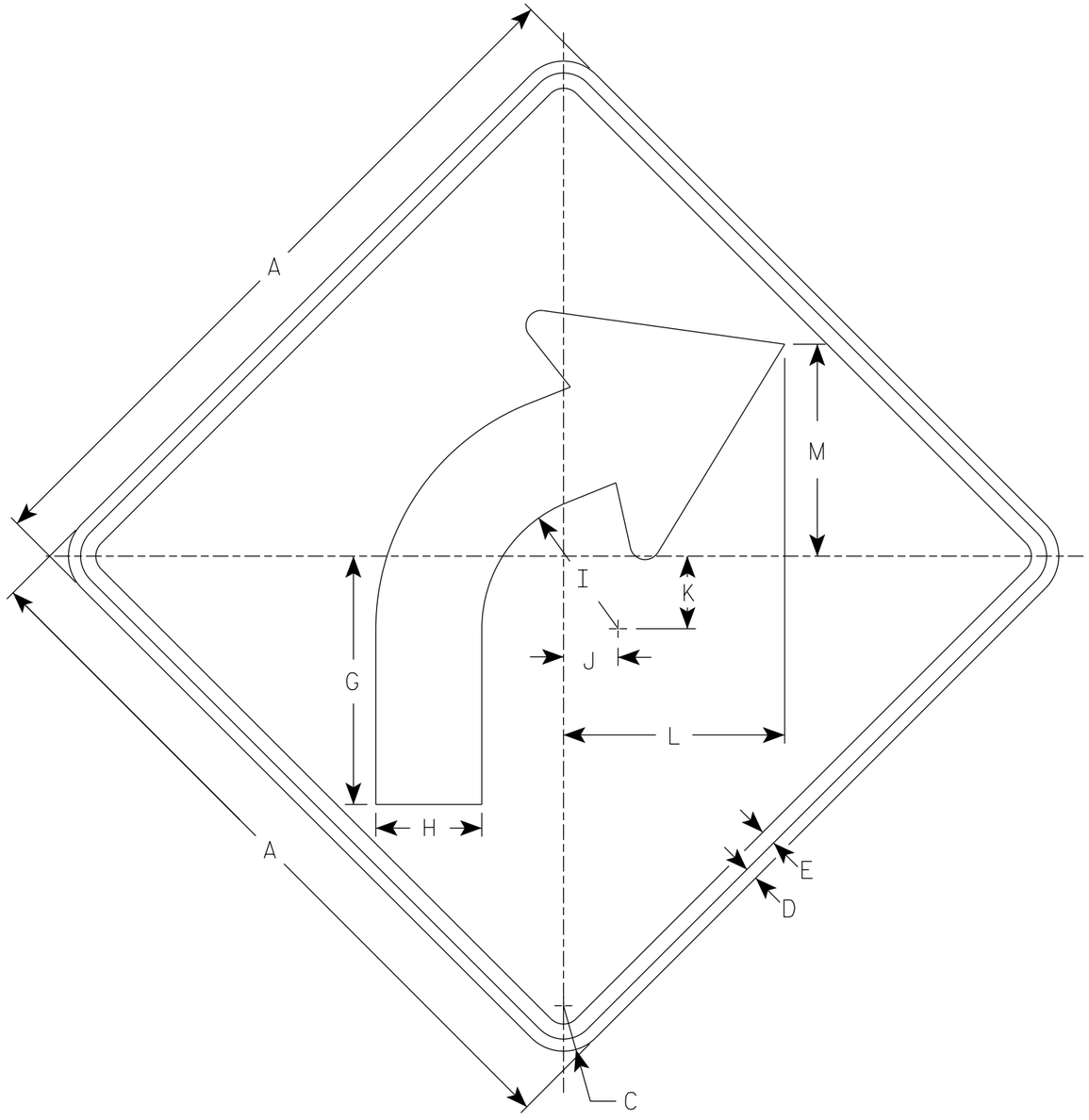
STANDARD SIGN
W24-1L & R

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/22/2024 PLATE NO. W24-1.4

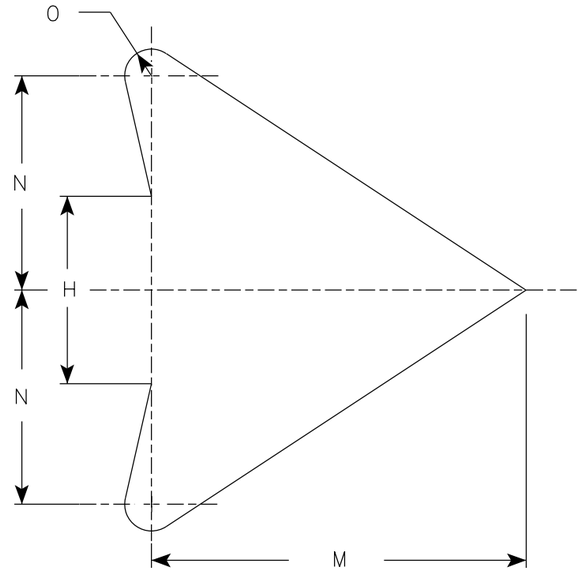
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 1002	E



W01-2R

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. W01-2L is the same as W01-2R except the arrow is reversed along the vertical centerline.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		2 1/4	5/8	3/4		12 3/8	5 1/4	6 3/4	2 5/8	3 1/2	10 7/8	10 1/2	6	3/4												4.0
2S	48		3	3/4	1		16 1/2	7	9	3 1/2	4 5/8	14 1/2	14	8	1												16.0
2M	48		3	3/4	1		16 1/2	7	9	3 1/2	4 5/8	14 1/2	14	8	1												16.0
3	48		3	3/4	1		16 1/2	7	9	3 1/2	4 5/8	14 1/2	14	8	1												16.0
4	48		3	3/4	1		16 1/2	7	9	3 1/2	4 5/8	14 1/2	14	8	1												16.0
5	48		3	3/4	1		16 1/2	7	9	3 1/2	4 5/8	14 1/2	14	8	1												16.0

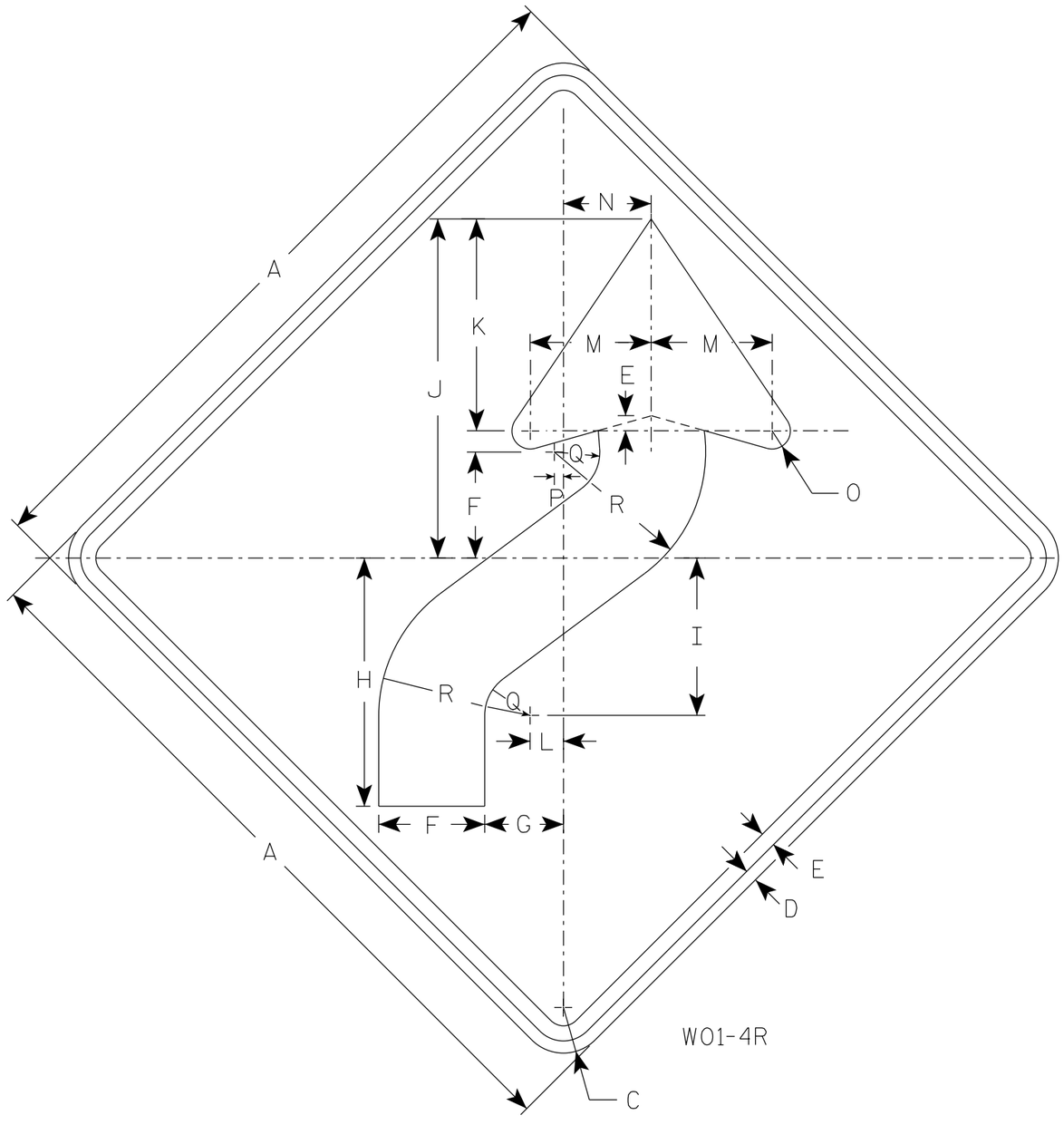
STANDARD SIGN
W01-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/24/2024 PLATE NO. W01-2.2

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 1003	E



WO1-4R

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. WO1-4L is the same as WO1-4R except the arrow is reversed along the vertical centerline.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		2 1/4	5/8	3/4	5 1/4	4	12 3/8	7 7/8	16 7/8	10 1/2	1 5/8	6	4 1/2	1	1/2	2 1/4	7 1/2									9.0
2S	48		3	3/4	1	7	5 1/4	16 1/2	10 1/2	22 1/2	14	2 1/4	8	6	1 1/4	5/8	3	10									16.0
2M	48		3	3/4	1	7	5 1/4	16 1/2	10 1/2	22 1/2	14	2 1/4	8	6	1 1/4	5/8	3	10									16.0
3	48		3	3/4	1	7	5 1/4	16 1/2	10 1/2	22 1/2	14	2 1/4	8	6	1 1/4	5/8	3	10									16.0
4	48		3	3/4	1	7	5 1/4	16 1/2	10 1/2	22 1/2	14	2 1/4	8	6	1 1/4	5/8	3	10									16.0
5	48		3	3/4	1	7	5 1/4	16 1/2	10 1/2	22 1/2	14	2 1/4	8	6	1 1/4	5/8	3	10									16.0

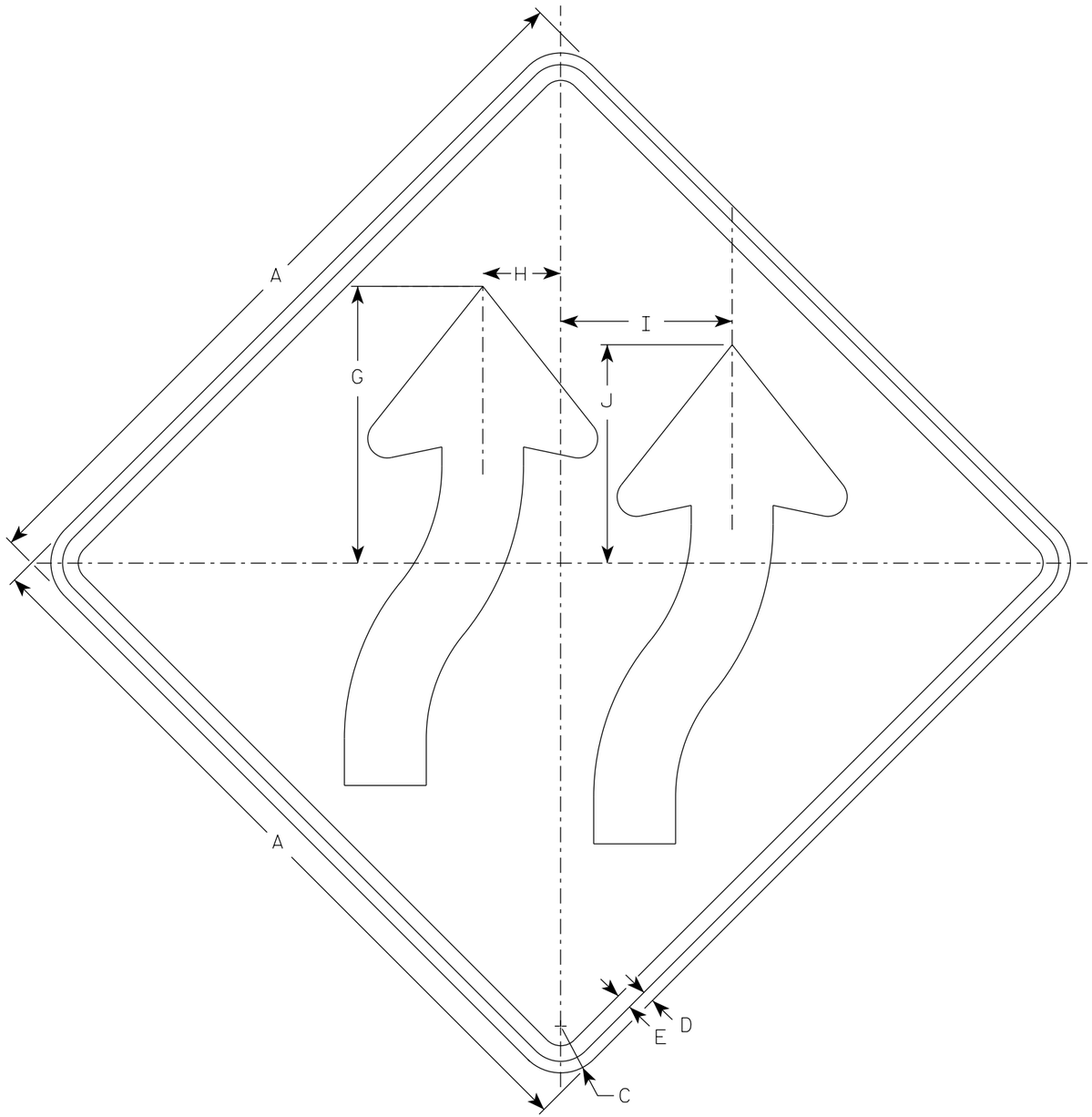
STANDARD SIGN
WO1-4

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 1/24/2024 PLATE NO. WO1-4.2

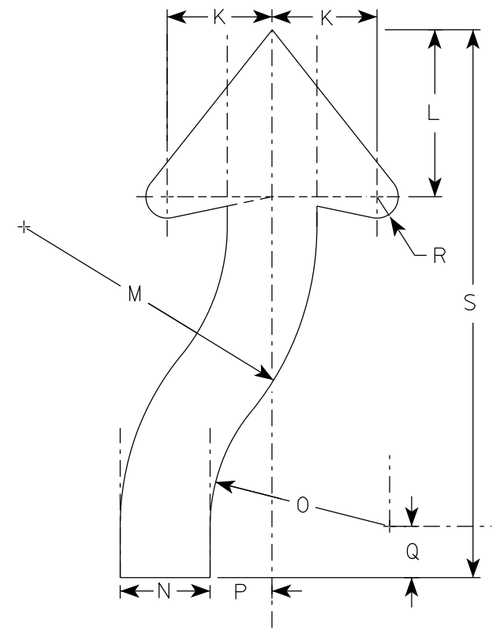
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 1004 E



W01-4BR

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. W01-4BL is the same as W014-BR exept arrows are reversed along the vertical centerline



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		2 1/4	5/8	3/4		13 3/8	3 3/4	8 1/4	10 1/2	4 5/8	7 3/8	12 7/8	3 7/8	7 7/8	2 3/4	2 1/4	7/8	24								9.0
2S	48		3	3/4	1		17 3/4	5	11	14	6 1/8	9 3/4	17 1/8	5 1/4	10 1/2	3 5/8	3	1 1/4	32								16.0
2M	48		3	3/4	1		17 3/4	5	11	14	6 1/8	9 3/4	17 1/8	5 1/4	10 1/2	3 5/8	3	1 1/4	32								16.0
3	48		3	3/4	1		17 3/4	5	11	14	6 1/8	9 3/4	17 1/8	5 1/4	10 1/2	3 5/8	3	1 1/4	32								16.0
4	48		3	3/4	1		17 3/4	5	11	14	6 1/8	9 3/4	17 1/8	5 1/4	10 1/2	3 5/8	3	1 1/4	32								16.0
5	48		3	3/4	1		17 3/4	5	11	14	6 1/8	9 3/4	17 1/8	5 1/4	10 1/2	3 5/8	3	1 1/4	32								16.0

STANDARD SIGN
W01-4B

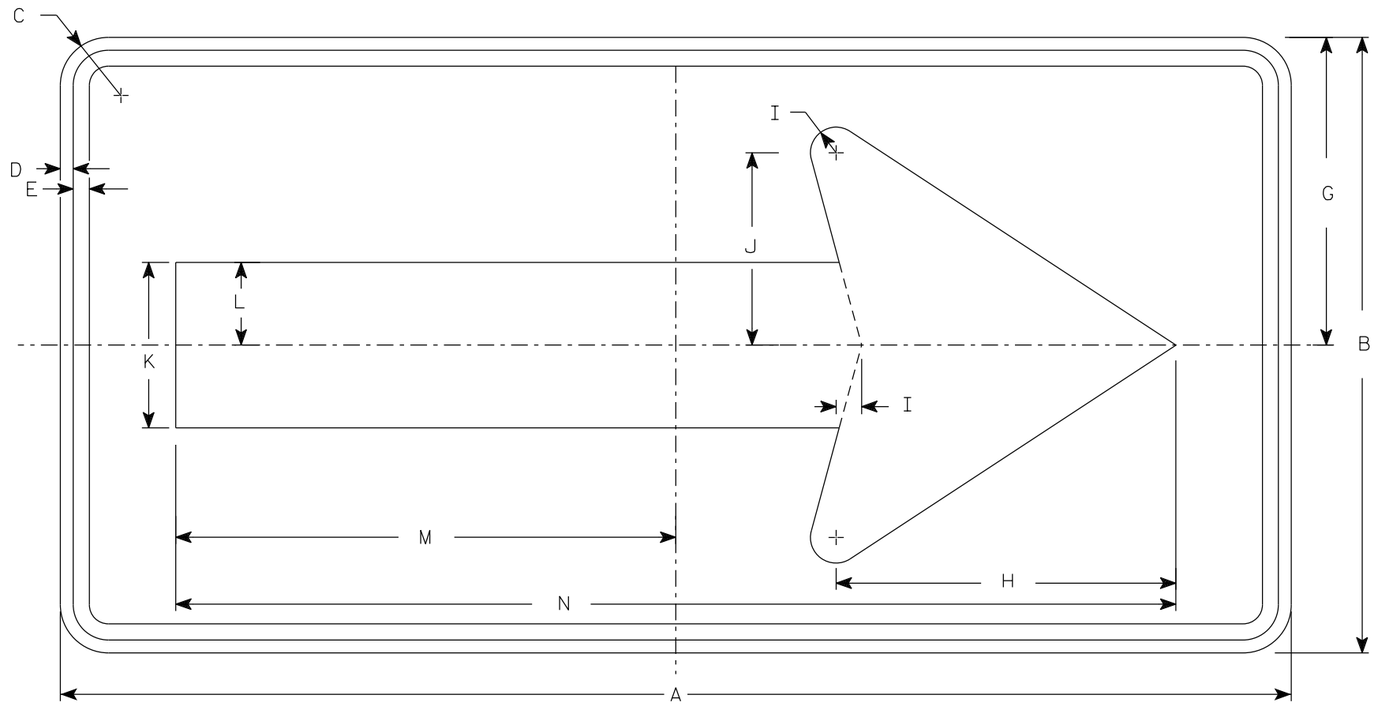
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/24/2024 PLATE NO. W01-4B.2

PROJECT NO:	HWY:	COUNTY:		SHEET NO: E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W014B.dgn PLOT DATE : 29-JAN 2024 3:41 PLOT BY : dotc4c PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42



WO1-6

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	48	24	1 7/8	1/2	5/8		12	13 1/4	1	7 1/2	6 1/2	3 1/4	19 1/2	39													8.0
2M	48	24	1 7/8	1/2	5/8		12	13 1/4	1	7 1/2	6 1/2	3 1/4	19 1/2	39													8.0
3	60	30	1 7/8	1/2	5/8		15	16 1/4	1 1/4	9 1/4	8	4	24 3/8	48 3/4													12.5
4	60	30	1 7/8	1/2	5/8		15	16 1/4	1 1/4	9 1/4	8	4	24 3/8	48 3/4													12.5
5	60	30	1 7/8	1/2	5/8		15	16 1/4	1 1/4	9 1/4	8	4	24 3/8	48 3/4													12.5

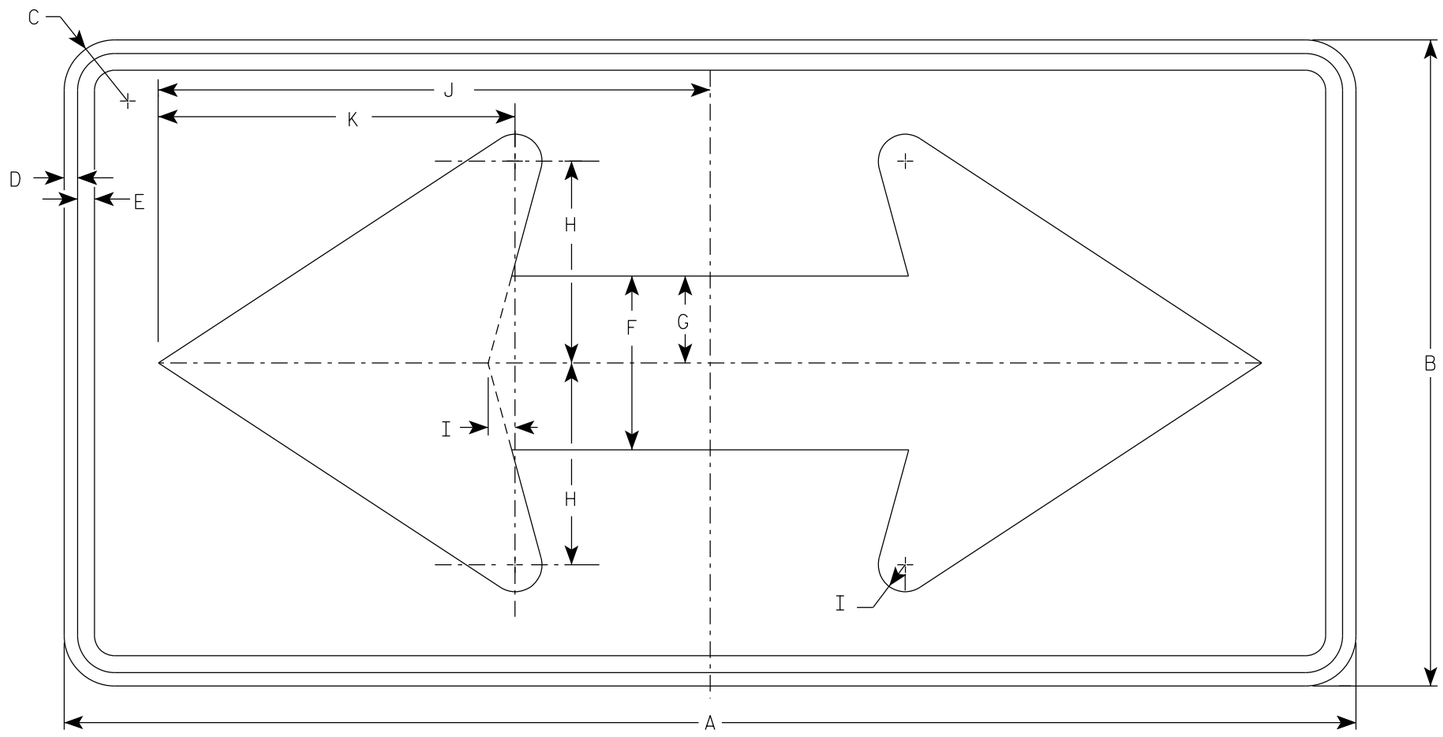
STANDARD SIGN
WO1-6

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/24/2024 PLATE NO. WO1-6.2

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E



W01-7

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	48	24	1 7/8	1/2	5/8	6 1/2	3 1/4	7 1/2	1	20 1/2	13 1/4																8.0
2M	48	24	1 7/8	1/2	5/8	6 1/2	3 1/4	7 1/2	1	20 1/2	13 1/4																8.0
3	60	30	1 7/8	1/2	5/8	8	4	9 1/4	1 1/4	25 3/8	16 1/4																12.5
4	60	30	1 7/8	1/2	5/8	8	4	9 1/4	1 1/4	25 3/8	16 1/4																12.5
5	60	30	1 7/8	1/2	5/8	8	4	9 1/4	1 1/4	25 3/8	16 1/4																12.5

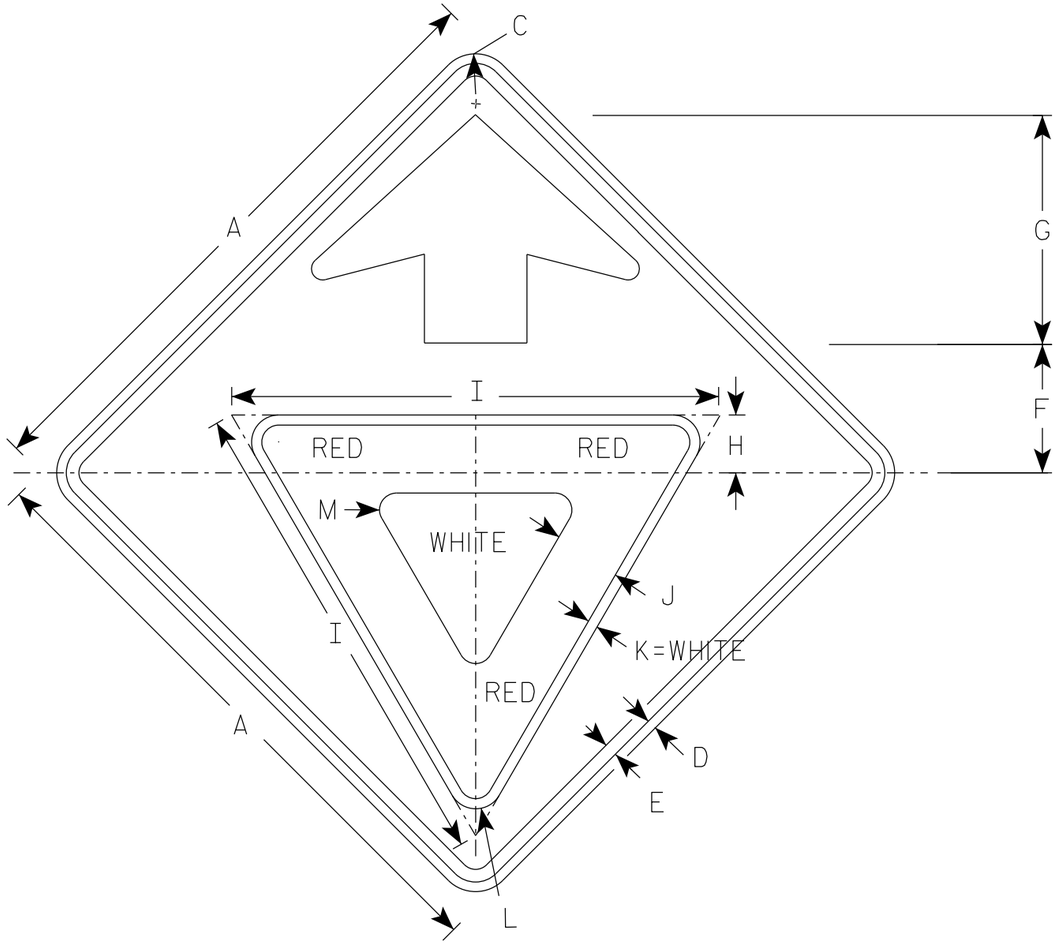
STANDARD SIGN
W01-7

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/24/2024 PLATE NO. W01-7.2

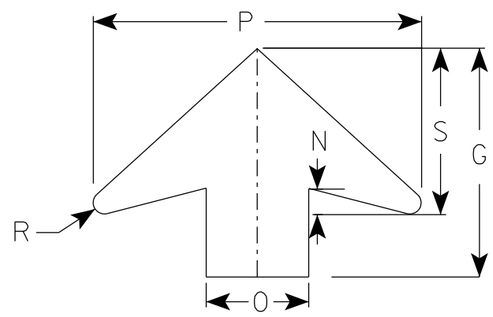
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 1007 | E



W03-2

NOTES

1. All Signs Type II - Type F Reflective
2. Color:
   Background - ORANGE
   Arrow & Border - BLACK
   Yield Symbol - WHITE BORDER ON RED BACKGROUND



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		2 1/4	5/8	3/4	7 1/2	13 1/2	3 3/8	28	3 3/4	5/8	1 1/2	1	1 5/8	6	19 1/4		5/8	9 3/4								9.0
2S	48		3	3/4	1	10	17 7/8	4 1/2	38	5	3/4	2 1/8	1 3/8	2	8	25 5/8		7/8	13								16.0
2M	48		3	3/4	1	10	17 7/8	4 1/2	38	5	3/4	2 1/8	1 3/8	2	8	25 5/8		7/8	13								16.0
3	48		3	3/4	1	10	17 7/8	4 1/2	38	5	3/4	2 1/8	1 3/8	2	8	25 5/8		7/8	13								16.0
4	48		3	3/4	1	10	17 7/8	4 1/2	38	5	3/4	2 1/8	1 3/8	2	8	25 5/8		7/8	13								16.0
5	48		3	3/4	1	10	17 7/8	4 1/2	38	5	3/4	2 1/8	1 3/8	2	8	25 5/8		7/8	13								16.0

STANDARD SIGN
W03-2

WISCONSIN DEPT OF TRANSPORTATION

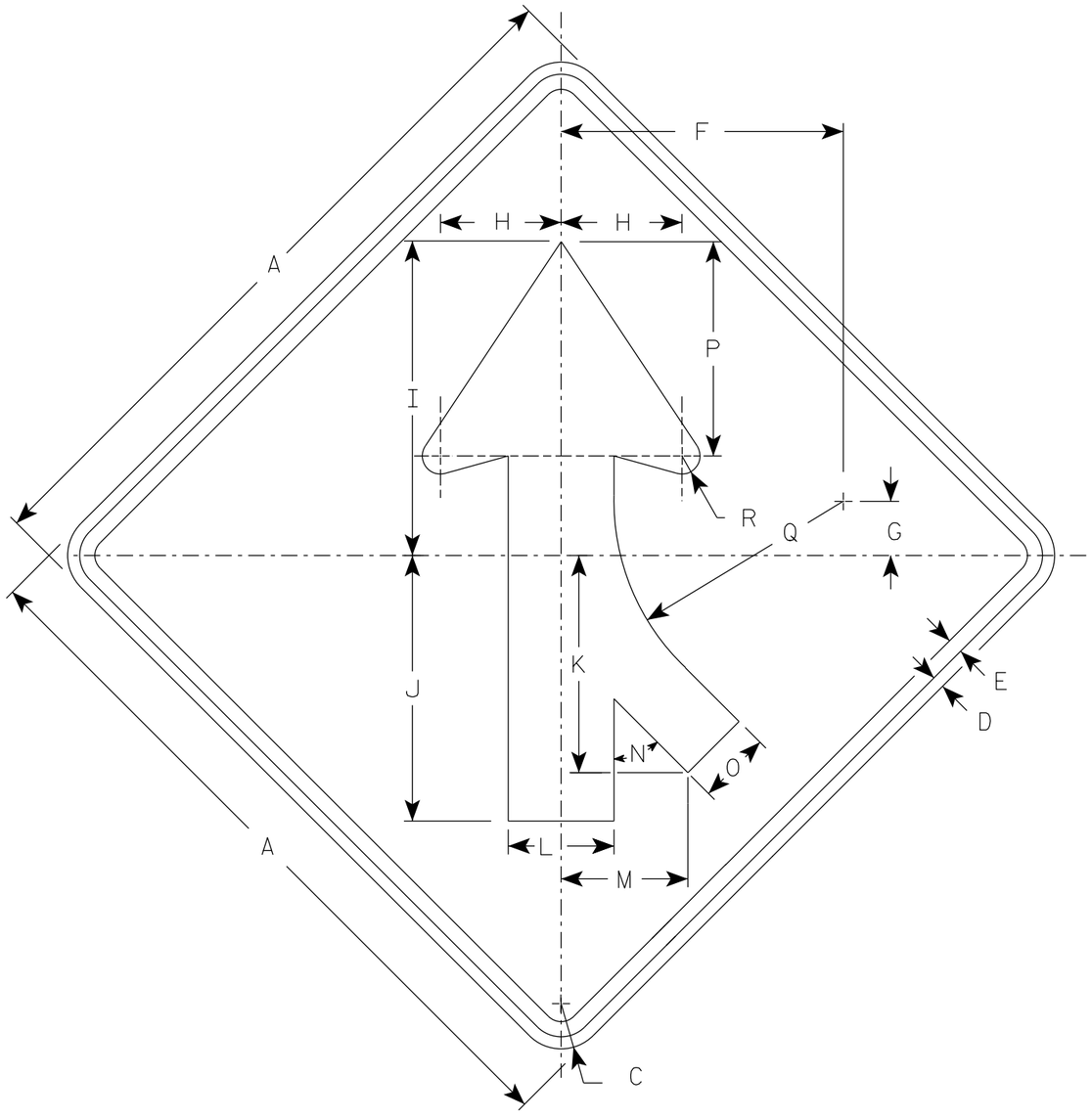
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/24/2024 PLATE NO. W03-2.2

PROJECT NO:

SHEET NO: E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\W032.DGN
PLOT DATE : 24-JAN 2024 1:55
PLOT BY : dotc4c
WISDOT/CADDS SHEET 42



W04-1R

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. W04-1L is the same as W04-1R except the arrow is reversed along the vertical centerline.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		2 1/4	5/8	3/4	14	2 3/4	6	15 3/4	13 1/4	10 1/4	5 1/4	6 3/8	45°	3 5/8	10 5/8	11 3/8	7/8									9.0
2S	48		3	3/4	1	18 3/4	3 5/8	8	20 1/2	17 1/2	14 3/8	7	8 3/8	45°	4 3/4	14 1/4	15 1/4	1 1/4									16.0
2M	48		3	3/4	1	18 3/4	3 5/8	8	20 1/2	17 1/2	14 3/8	7	8 3/8	45°	4 3/4	14 1/4	15 1/4	1 1/4									16.0
3	48		3	3/4	1	18 3/4	3 5/8	8	20 1/2	17 1/2	14 3/8	7	8 3/8	45°	4 3/4	14 1/4	15 1/4	1 1/4									16.0
4	48		3	3/4	1	18 3/4	3 5/8	8	20 1/2	17 1/2	14 3/8	7	8 3/8	45°	4 3/4	14 1/4	15 1/4	1 1/4									16.0
5	48		3	3/4	1	18 3/4	3 5/8	8	20 1/2	17 1/2	14 3/8	7	8 3/8	45°	4 3/4	14 1/4	15 1/4	1 1/4									16.0

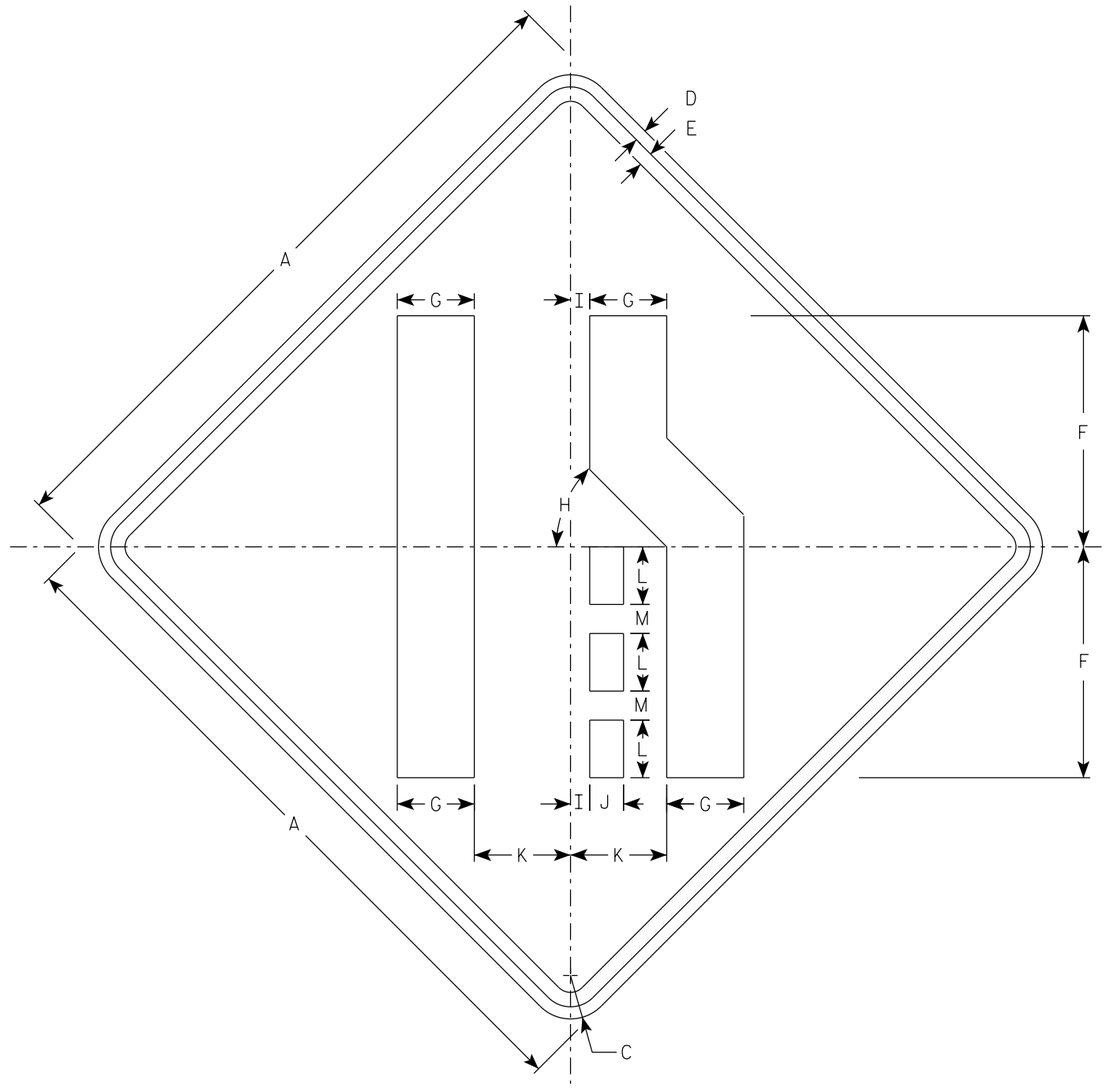
STANDARD SIGN
W04-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/25/2024 PLATE NO. W04-1.3

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 1009 | E



W04-2R

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. W04-2L is the same as W04-2R except the symbol is reversed along the vertical centerline.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		2 1/4	5/8	3/4	12	4	45°	1	1 3/4	5	3	1 1/2														9.0
2S	48		3	3/4	1	16	5 3/8	45°	1 1/4	2 3/8	6 3/4	4	2														16.0
2M	48		3	3/4	1	16	5 3/8	45°	1 1/4	2 3/8	6 3/4	4	2														16.0
3	48		3	3/4	1	16	5 3/8	45°	1 1/4	2 3/8	6 3/4	4	2														16.0
4	48		3	3/4	1	16	5 3/8	45°	1 1/4	2 3/8	6 3/4	4	2														16.0
5	48		3	3/4	1	16	5 3/8	45°	1 1/4	2 3/8	6 3/4	4	2														16.0

STANDARD SIGN
W04-2

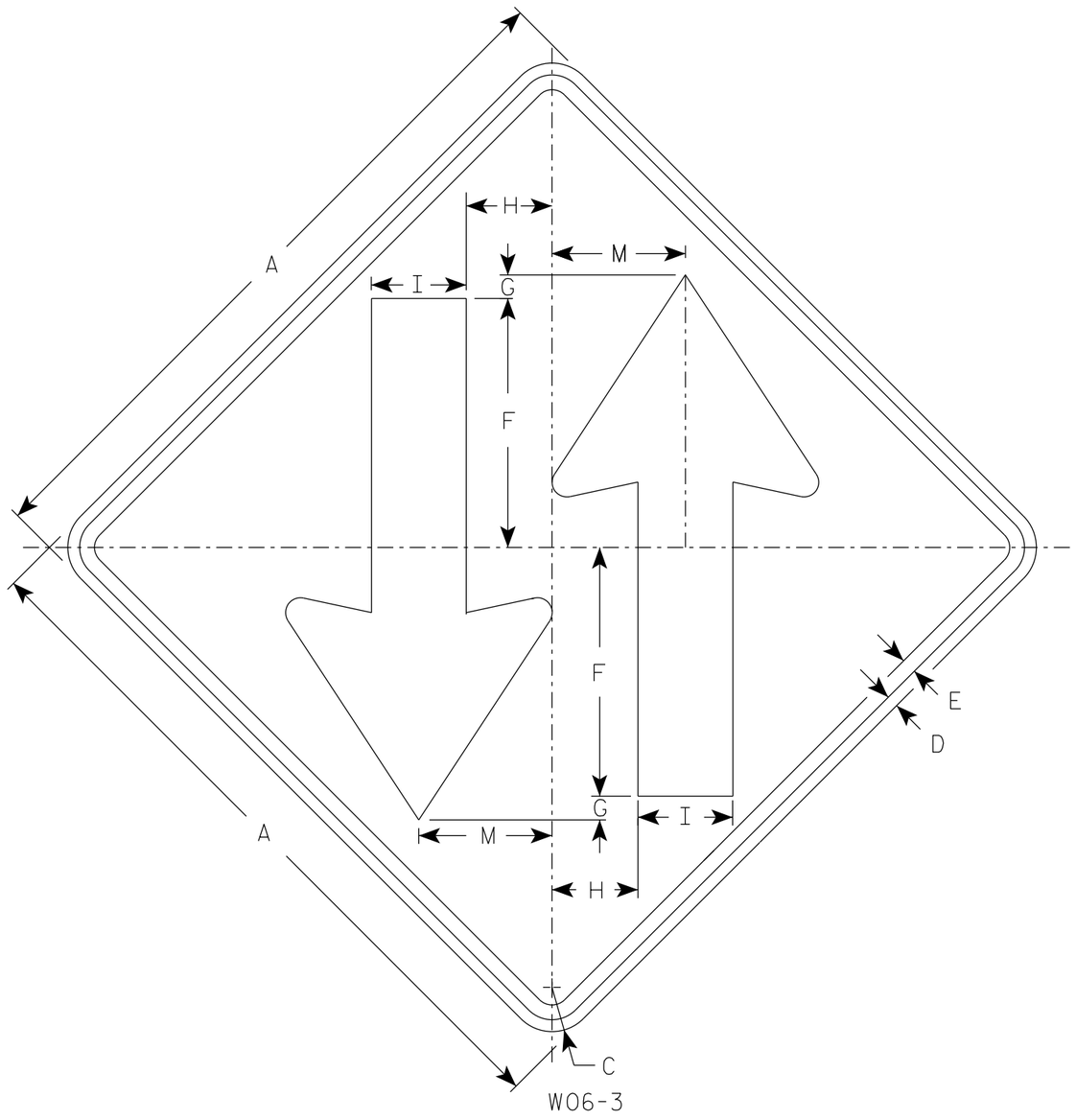
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/25/2024 PLATE NO. W04-2.2

PROJECT NO:

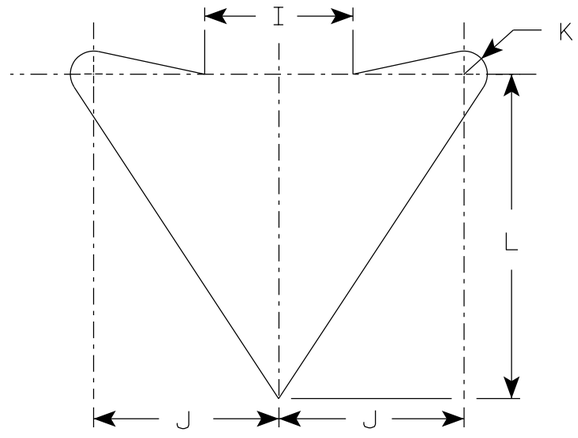
SHEET NO: 1010 E



W06-3

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		2 1/4	5/8	3/4	12	1	4 1/4	5	6	3/4	10 1/2	6 3/4														9.0
2S	48		3	3/4	1	15 1/2	1	6	6	8	1	14	9														16.0
2M	48		3	3/4	1	15 1/2	1	6	6	8	1	14	9														16.0
3	48		3	3/4	1	15 1/2	1	6	6	8	1	14	9														16.0
4	48		3	3/4	1	15 1/2	1	6	6	8	1	14	9														16.0
5	48		3	3/4	1	15 1/2	1	6	6	8	1	14	9														16.0

STANDARD SIGN

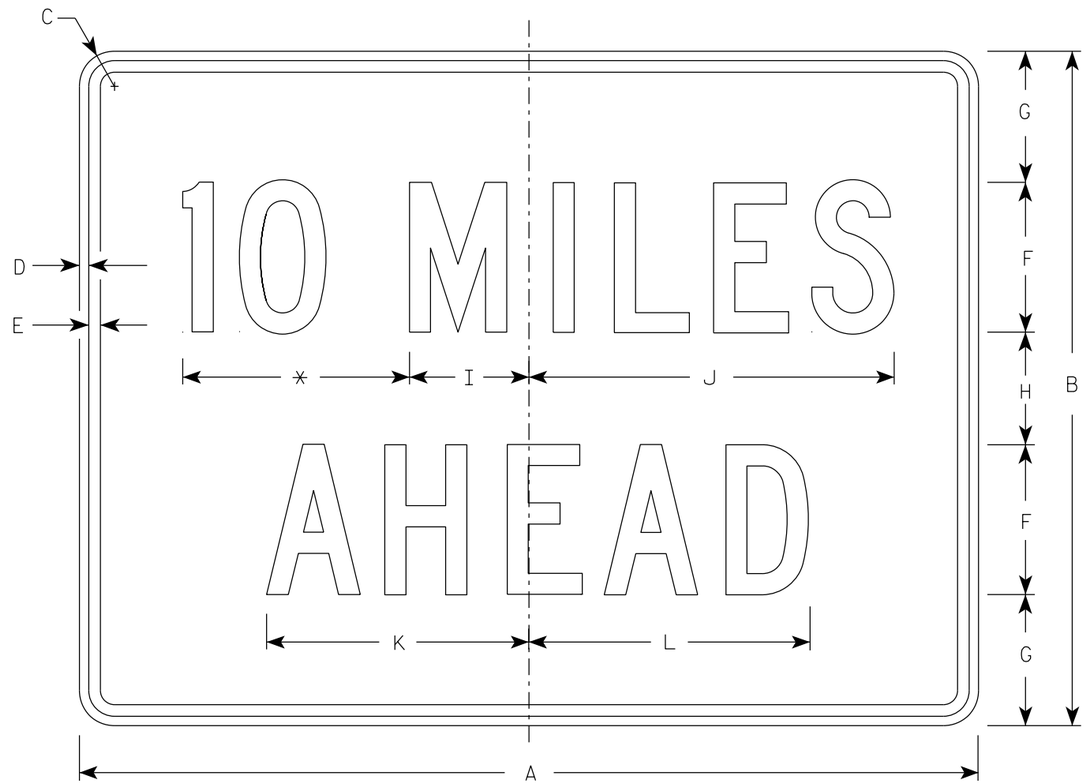
W06-3

WISCONSIN DEPT OF TRANSPORTATION

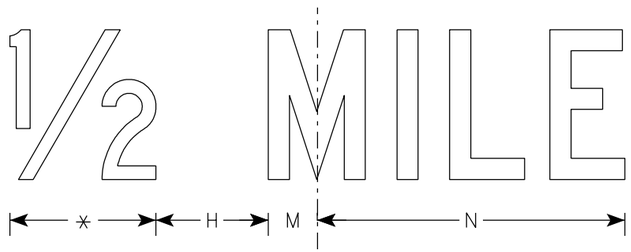
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/30/2024 PLATE NO. W06-3.2

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 1011 | E



W057-52



NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Substitute appropriate numerals to the nearest quarter mile and optically adjust spacing to achieve proper balance.

* See note 5

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36	24	1 1/2	3/8	1/2	6	4 1/2	3	4 3/4	14 5/8	10 5/8	11 3/8	2	12													6.0
2S	48	36	2 1/4	1/2	5/8	8	7	6	6 3/8	19 1/2	14	15	2 3/4	16 3/8													12.0
2M	48	36	2 1/4	1/2	5/8	8	7	6	6 3/8	19 1/2	14	15	2 3/4	16 3/8													12.0
3	48	36	2 1/4	1/2	5/8	8	7	6	6 3/8	19 1/2	14	15	2 3/4	16 3/8													12.0
4	48	36	2 1/4	1/2	5/8	8	7	6	6 3/8	19 1/2	14	15	2 3/4	16 3/8													12.0
5	48	36	2 1/4	1/2	5/8	8	7	6	6 3/8	19 1/2	14	15	2 3/4	16 3/8													12.0

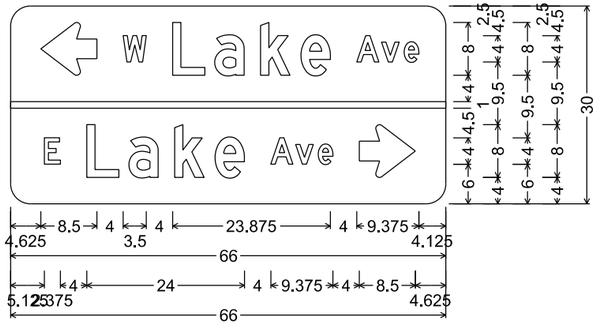
STANDARD SIGN
W057-52

WISCONSIN DEPT OF TRANSPORTATION

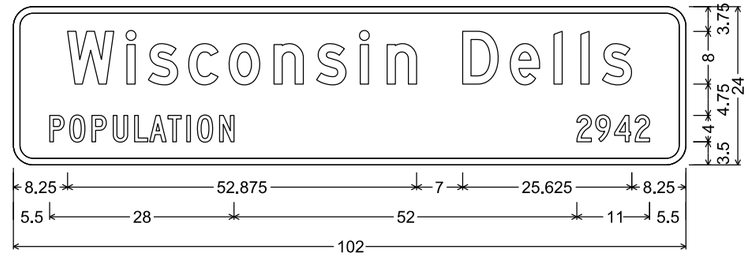
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/1/2024 PLATE NO. W057-52.3

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 1012 E



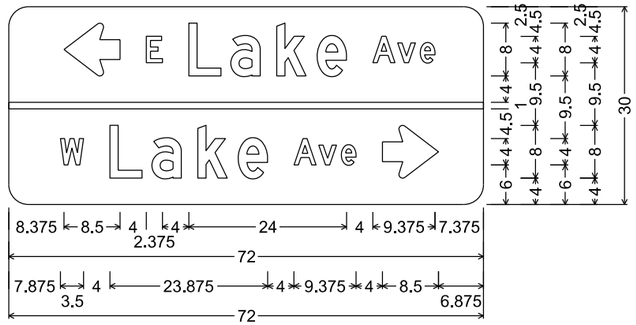
M1-94H; 3.000" Radius, No border,
"W", D; "Lake", D; "Ave", D; "E", D; "Lake", D; "Ave", D



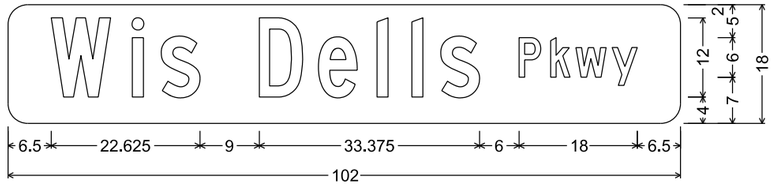
I2-3; 3.000" Radius, 1.000" Border,
"Wisconsin", D; "Dells", D; "POPULATION", C; "2942", C

NOTES

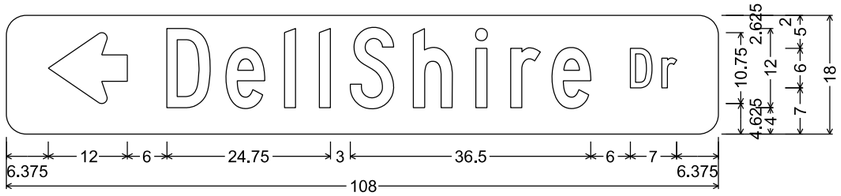
1. All Signs Type II - Type H Reflective
2. Color:
   Background - Green
   Message - White
3. Message Series - As noted



M1-94H; 3.000" Radius, No border,
"E", D; "Lake", D; "Ave", D; "W", D; "Lake", D; "Ave", D



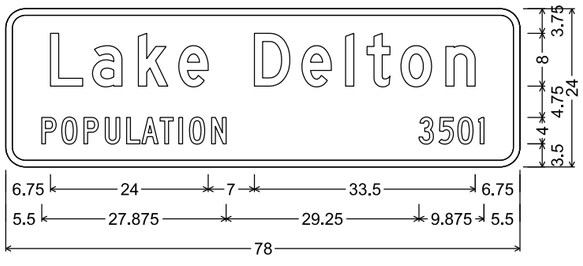
M1-94H; 3.000" Radius, No border,
"Wis", C; "Dells", C; "Pkwy", C



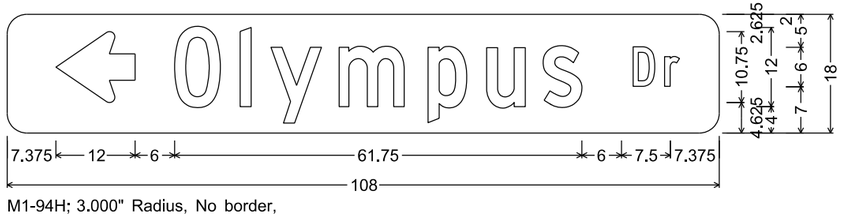
M1-94H; 3.000" Radius, No border,
"Dell", C; "Shire", C; "Dr", C



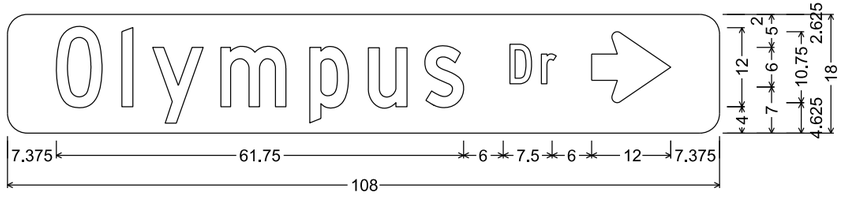
M1-94H; 3.000" Radius, No border,
"Dell", C; "Shire", C; "Dr", C



I2-3; 3.000" Radius, 1.000" Border,
"Lake", D; "Delton", D; "POPULATION", C; "3501", C



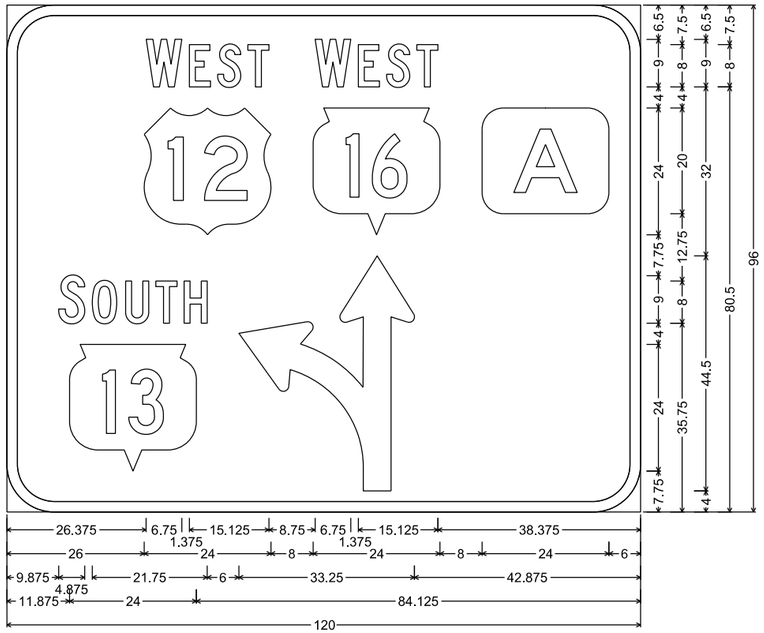
M1-94H; 3.000" Radius, No border,
"Olympus", C; "Dr", C



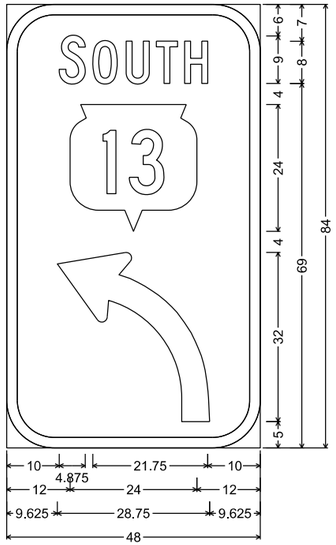
M1-94H; 3.000" Radius, No border,
"Olympus", C; "Dr", C

NOTES

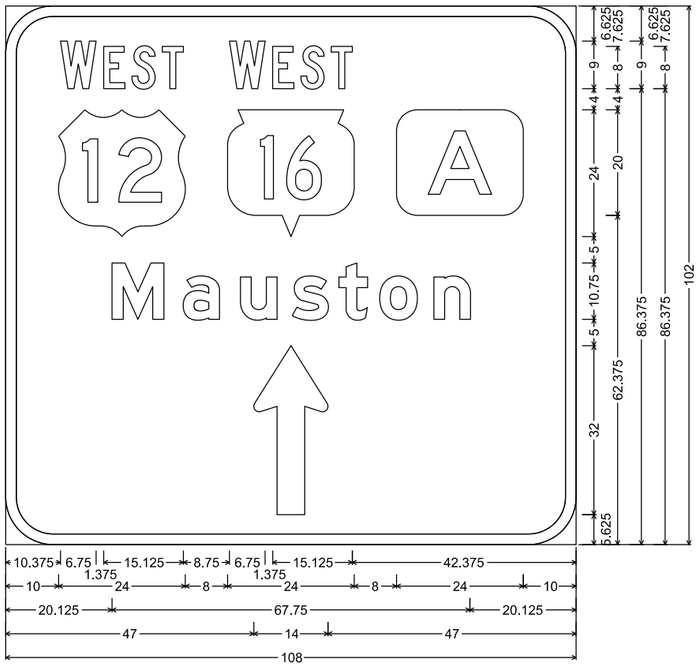
1. All Signs Type I - Type SH Reflective
2. Color:
   Background - Green
   Message - White
3. Message Series - As noted



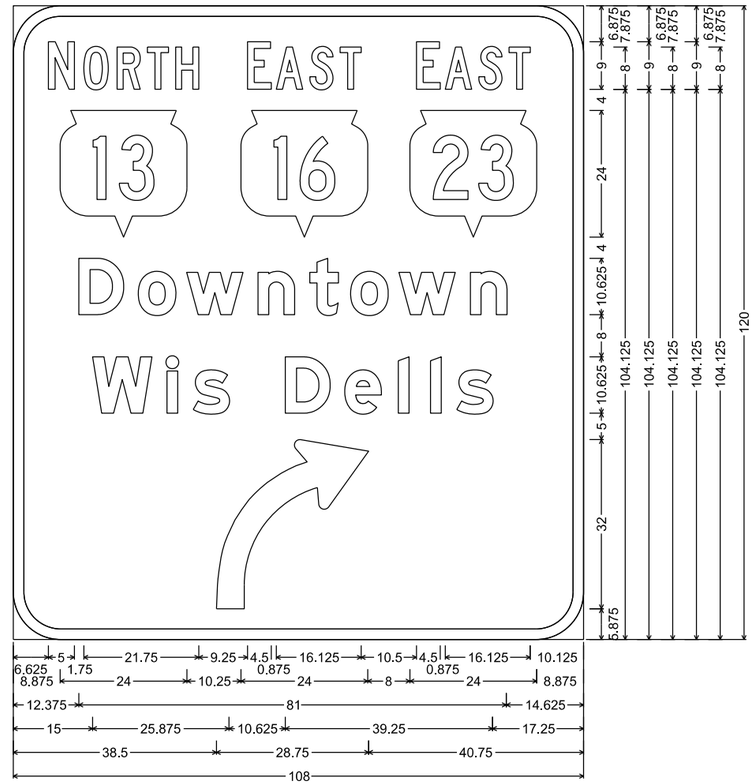
E6-52; 9.000" Radius, 2.000" Border,
"WEST", C; "WEST", C; "SOUTH", C



E6-54L; 9.000" Radius, 2.000" Border,
"SOUTH", C



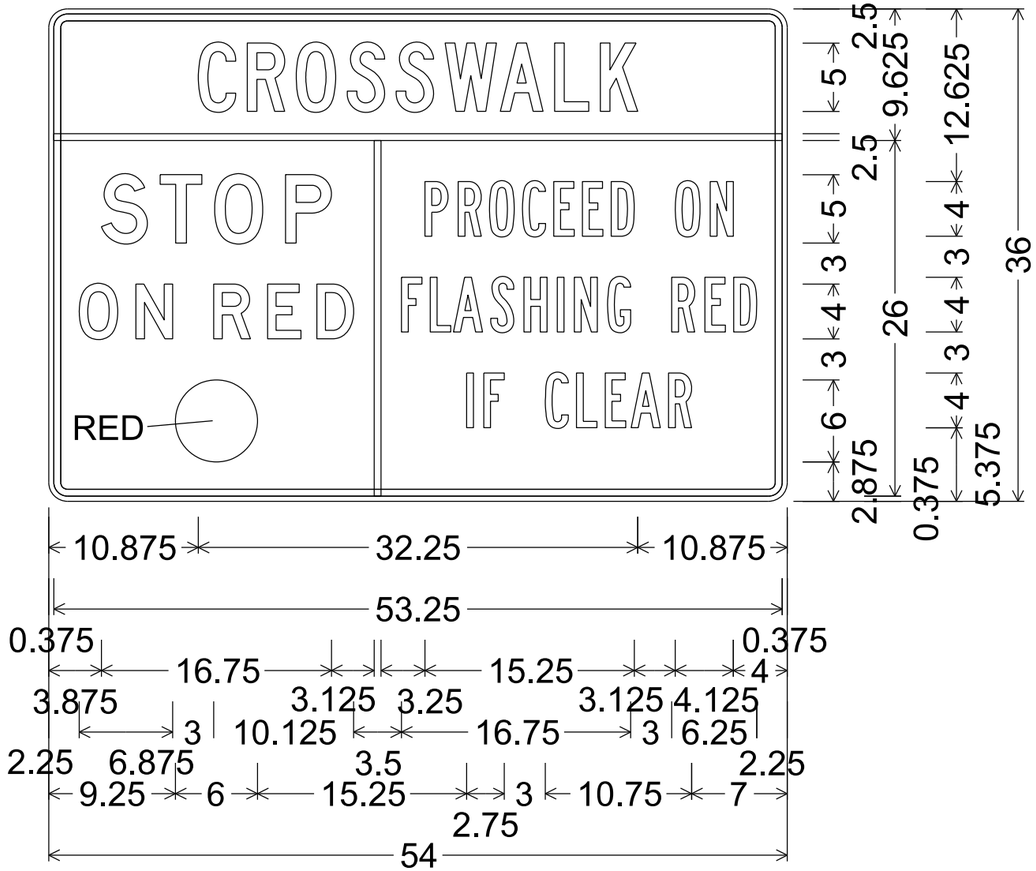
E6-54A; 9.000" Radius, 2.000" Border,
"WEST", C; "WEST", C; "Mauston", E Mod



E6-54R; 9.000" Radius, 2.000" Border,
"NORTH", C; "EAST", C; "EAST", C; "Downtown", E Mod; "Wis", E Mod; "Dells", E Mod

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black except as noted
3. Message Series - As noted



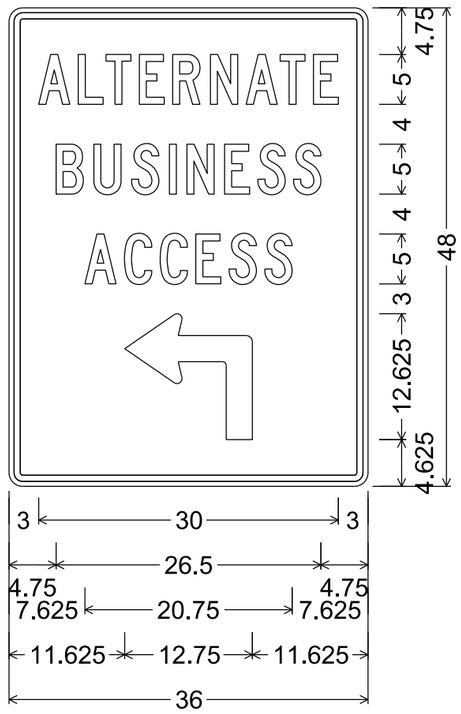
1.375" Radius, 0.500" Border, 0.375" Indent, Black on White;
"CROSSWALK", C; "STOP", D; "ON", D;
"RED", D; "PROCEED", B; "ON", B;
"FLASHING", B; "RED", B; "IF", B; "CLEAR", B

7

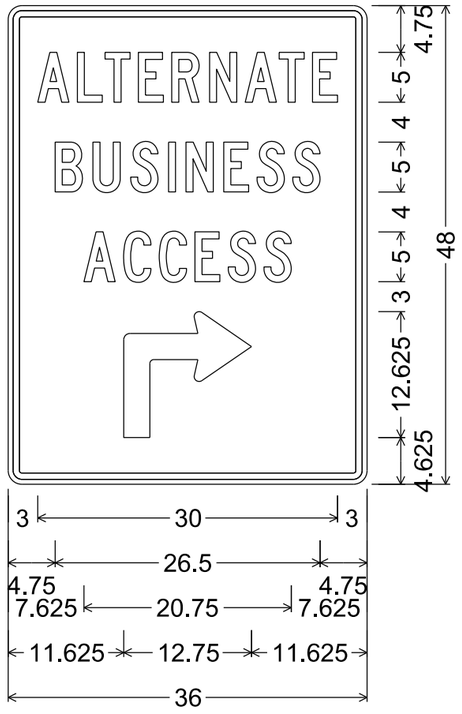
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NOTES

1. Fixed Message Signs Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - C



1.375" Radius, 0.625" Border, 0.500" Indent



1.375" Radius, 0.625" Border, 0.500" Indent

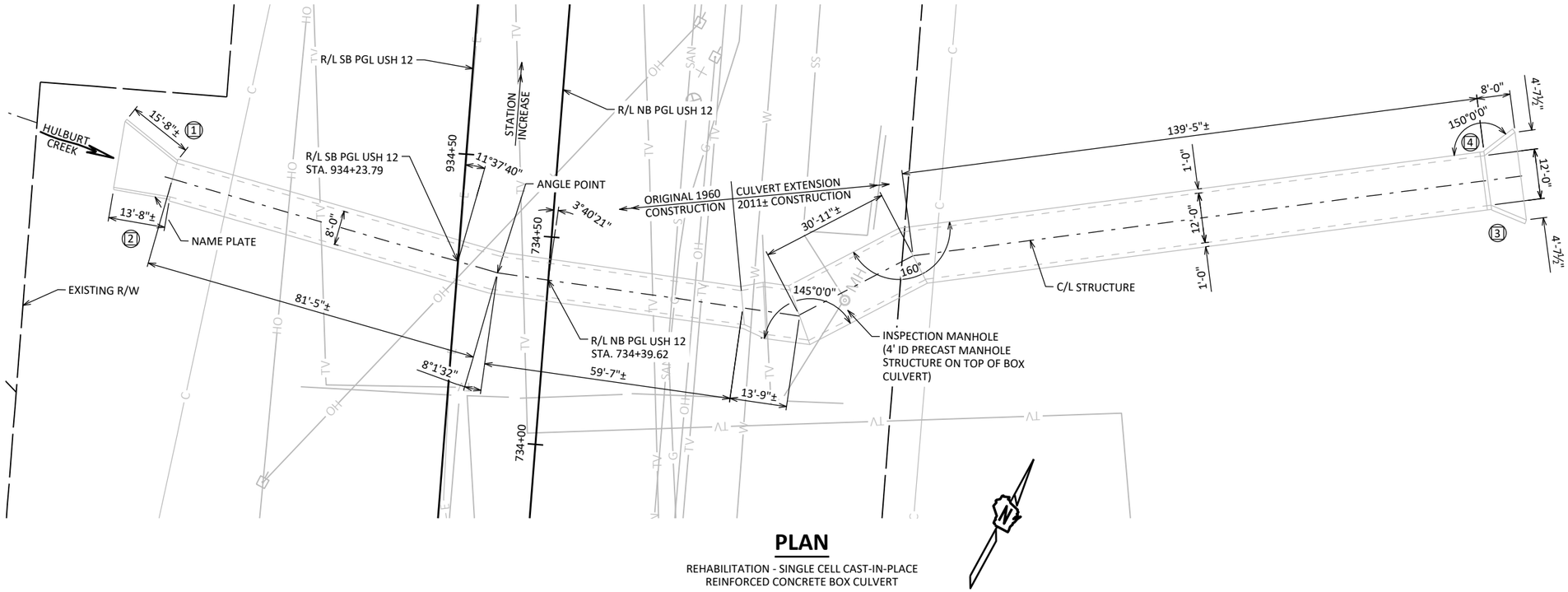
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7

PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	TEMPORARY SIGNING	SHEET NO: 1016	E

STATE PROJECT NUMBER

6145-01-74



PLAN

REHABILITATION - SINGLE CELL CAST-IN-PLACE
REINFORCED CONCRETE BOX CULVERT

DESIGN DATA

LIVE LOAD:

DESIGN LOADING UNKNOWN

EARTHLOAD:

10 FT. OF FILL. (TAKEN FROM HSI)

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

ORIGINAL 1960 STRUCTURE PLANS ARE NOT AVAILABLE.

DIMENSIONS/ELEVATIONS SHOWN ARE BASED ON THE 2011 EXTENSION DESIGN PLANS AND SURVEY DATA.

CONCRETE SURFACE REPAIR AS DIRECTED BY THE ENGINEER. QUANTITIES SHOWN ON THE PLANS ARE APPROXIMATE.

TRAFFIC DATA

FEATURE ON USH 12:
ADT = 21,900 (2045)
R.D.S. = 40 MPH

HYDRAULIC DATA

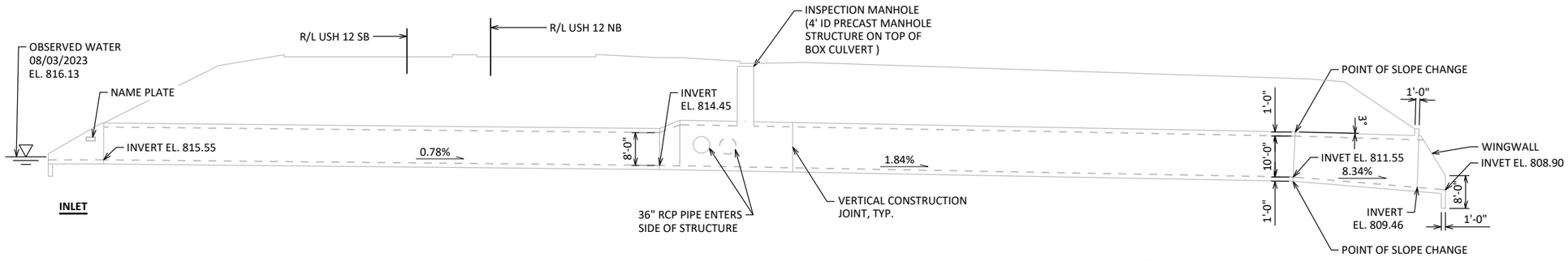
UNAVAILABLE

LIST OF DRAWINGS:

1. GENERAL PLAN

SCOPE OF WORK:

PERFORM CONCRETE SURFACE REPAIR AT LOCATIONS DESIGNATED BY ENGINEER



INLET **OUTLET**

SECTION ALONG C/L OF STRUCTURE

LOOKING NORTH

TOTAL ESTIMATED QUANTITIES

BID ITEM NUMBER	BID ITEMS	UNIT	TOTAL
⚠ 509.1500	CONCRETE SURFACE REPAIR	SF	15

ALL ITEMS ARE CATEGORY 0070, UNLESS NOTED OTHERWISE

WISCONSIN
WYATT ROZMENOSKI
47659
MILWAUKEE, WI
02/28/25
PROFESSIONAL ENGINEER

STRUCTURE DESIGN CONTACTS:

WYATT ROZMENOSKI	(414) 259-1500
AARON BONK	(608) 261-0261

LEGEND

⚠ CONCRETE SURFACE REPAIR QUANTITIES ARE APPROXIMATE. CONTRACTOR SHALL COORDINATE THE FIELD IDENTIFICATION AND DETERMINATION OF ALL FIELD REPAIR LOCATIONS WITH THE ENGINEER.

(#) INDICATES WING NUMBER

NO.	DATE	REVISION	BY

GRAEF
275 W. Wisconsin Avenue
Suite 300
Milwaukee, WI 53203
414 / 259 1500
414 / 259 0037 fax
www.graef-usa.com

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORATION

ACCEPTED JLR 08/04/25
CHIEF STRUCTURES DESIGN ENGINEER — DATE

STRUCTURE C-56-8

USH 12 OVER HULBURT CREEK

COUNTY	CITY
SAUK	WISCONSIN DELLS

DESIGN SPEC.
REHABILITATION N/A

DESIGNED BY	DESIGNED CK'D	DRAWN BY	PLANS CK'D
WAR	KGW	JR	WAR

GENERAL PLAN

SHEET 1 OF 1
1017

I.D. 6145-01-00

DATE:

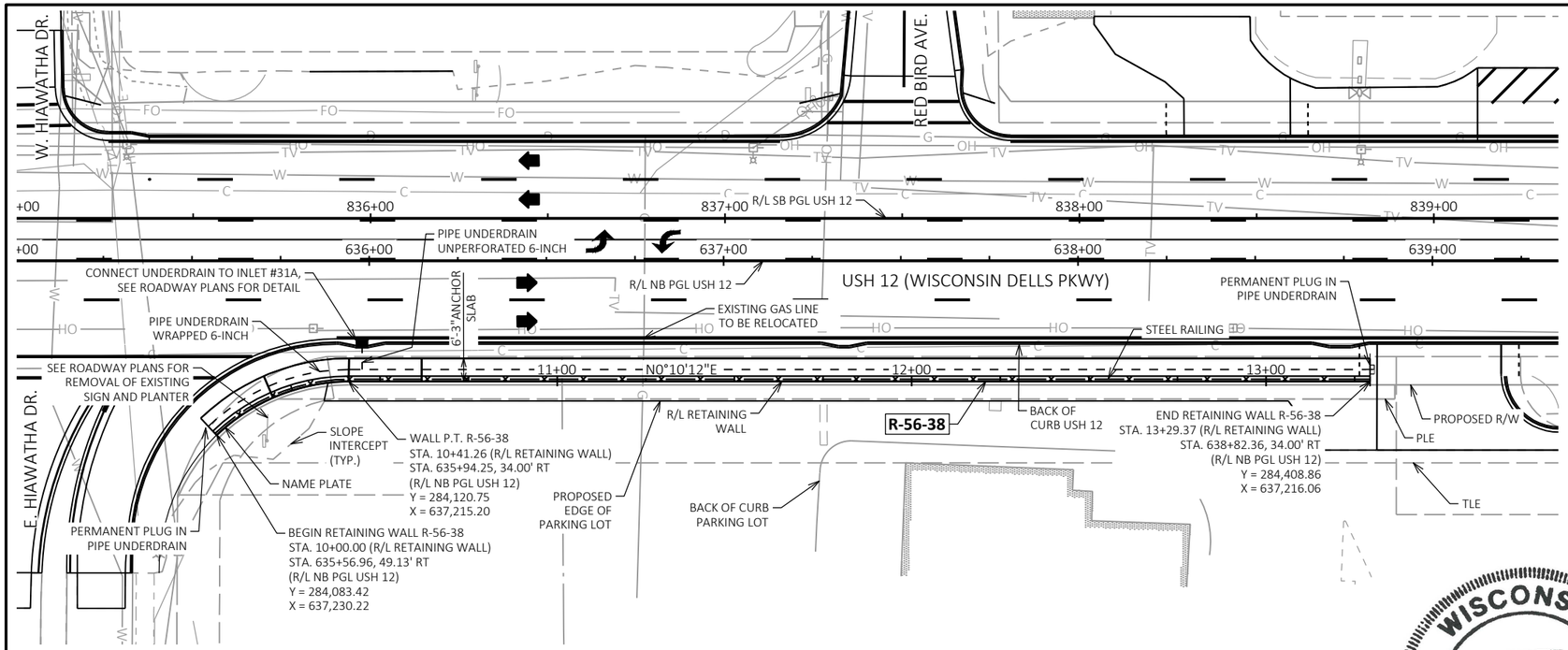
SCALE =

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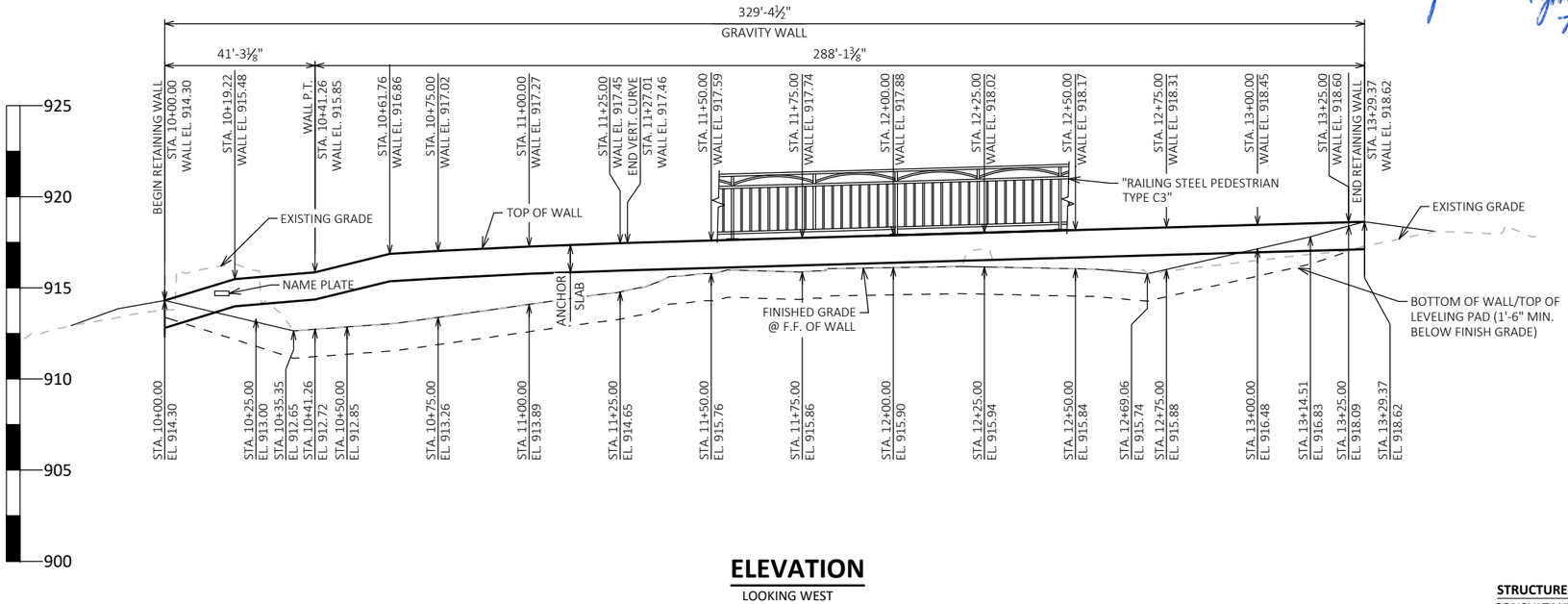
STATE PROJECT NUMBER

6145-01-73



PLAN

GRAVITY WALL WITH WET CAST BLOCK FACING



ELEVATION

LOOKING WEST

(DIMENSIONS AND STATIONS GIVEN ALONG R/L OF WALL)

DESIGN DATA

THE CONTRACTOR SHALL PROVIDE COMPLETE DESIGN, PLANS, DETAILS, SPECIFICATIONS, AND SHOP DRAWINGS FOR THE RETAINING WALLS IN ACCORDANCE WITH THE SPECIAL PROVISIONS. THE RETAINING WALL MANUFACTURER SHALL PROVIDE TECHNICAL ASSISTANCE TO THE CONTRACTOR DURING CONSTRUCTION. THE COST OF FURNISHING THESE ITEMS SHALL BE INCLUDED IN THE BID ITEM "WALL MODULAR BLOCK GRAVITY R-56-38".

PLANS, ELEVATIONS, AND DETAILS SHOWN ON THESE DRAWINGS ARE INTENDED TO INDICATE WALL LOCATIONS, LENGTHS, HEIGHTS, AND DETAILS COMMON TO THE WALL SYSTEM SELECTED. THE CONTRACTOR SHALL VERIFY THAT THE WALL SYSTEM SELECTED WILL CONFORM TO THE REQUIRED ALIGNMENTS AND DETAILS.

THE RETAINING WALL IS TO BE DESIGNED USING THE ELEVATIONS GIVEN ON THIS SHEET.

DESIGN RETAINING WALL FOR A LIVE LOAD SURCHARGE OF 240 PSF.

THE MAXIMUM VALUE OF THE ANGLE OF INTERNAL FRICTION OF THE WALL BACKFILL MATERIAL SHALL BE ASSUMED TO BE 30° WITHOUT CERTIFIED TEST VALUES.

MATERIAL PROPERTIES:

CONCRETE MASONRY:
ANCHOR SLAB — f'_c = 4,000 PSI

BAR STEEL REINFORCEMENT
GRADE 60 — f_y = 60,000 PSI

LIVE LOAD:

LIVE LOAD SURCHARGE: 240 PSF

ALLOWABLE WALL SYSTEMS

WALL MODULAR BLOCK GRAVITY

TRAFFIC DATA

USH 12

ADT = 21,900 (2045)
R.D.S. = 40 MPH

CURVE DATA

R/L RETAINING WALL R-56-38

P.I. = 10+21.71
Δ = 44°10'58"
D = 107°05'42"
T = 21.71'
L = 41.26'
R = 53.50'
P.C. = 10+00.00
P.T. = 10+41.26

LIST OF DRAWINGS

1. GENERAL PLAN & ELEVATION
2. TYPICAL SECTION & GENERAL NOTES
3. SUBSURFACE EXPLORATION
4. ANCHOR SLAB & RAILING ELEVATION
5. PEDESTRIAN RAIL TYPE 'C3' DETAILS

WISCONSIN
WYATT ROZMENOSKI
47659
MILWAUKEE, WI
PROFESSIONAL ENGINEER

Wyatt A. Rozmenoski 7/22/2025

NO.	DATE	REVISION	BY

GRÄEF
275 W. Wisconsin Avenue
Suite 300
Milwaukee, WI 53203
414 / 259 1500
414 / 259 0037 fax
www.graef-usa.com

STATE OF WISCONSIN DEPARTMENT OF TRANSPORATION

ACCEPTED JLR 07/22/25
CHIEF STRUCTURES DESIGN ENGINEER — DATE

STRUCTURE R-56-38

USH 12 (WISCONSIN DELLS PARKWAY)

COUNTY	VILLAGE
SAUK	LAKE DELTON

DESIGN SPEC.
AASHTO LRFD BRIDGE DESIGN SPECIFICATION

DESIGNED BY	DESIGNED CK'D	DRAWN BY	PLANS CK'D
CWG	WAR	CWG	KGW

GENERAL PLAN & ELEVATION

SHEET 1 OF 5
1018

SCALE =

STRUCTURE DESIGN CONTACTS:

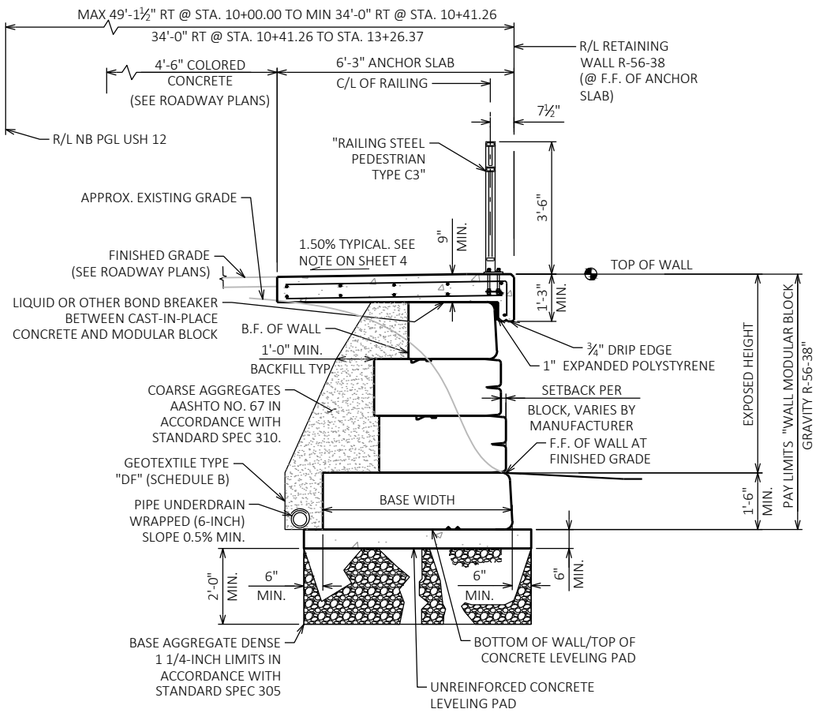
CONSULTANT CONTACT: WYATT ROZMENOSKI (414) 259-1500
BOS CONTACT: AARON BONK (608) 261-0261

I.D. 6145-01-03

DATE: 2025

8

8



WALL TYPICAL SECTION

GRAVITY WALL WITH WET CAST BLOCK FACING

BENCH MARK

NO.	STATION	OFFSET	DESCRIPTION	EL.
BM6	635+31.54	32.47' LT	RR SPIKE IN EAST FACE OF PP#13-6-16.3 AT NW CORNER W. HIAWATHA DRIVE AND WISCONSIN DELLS PARKWAY	916.15

TOTAL ESTIMATED QUANTITIES

	BID ITEM NUMBER	BID ITEMS	UNIT	TOTALS
	502.3200	PROTECTIVE SURFACE TREATMENT	SY	229
	504.0500	CONCRETE MASONRY RETAINING WALLS	CY	60
	505.0600	BAR STEEL REINFORCEMENT HS COATED STRUCTURES	LB	5,470
	513.8016	RAILING STEEL PEDESTRIAN TYPE C3	LF	330
	612.0206	PIPE UNDERDRAIN UNPERFORATED 6-INCH	LF	7
	612.0406	PIPE UNDERDRAIN WRAPPED 6-INCH	LF	330
✳✳	SPV.0165.010	ANTI-GRAFFITI COATING	SF	1,249
	SPV.0165.016	WALL MODULAR BLOCK GRAVITY R-56-38	SF	1,276
		NON-BID ITEMS		
		FILLER	SIZE	½"
		EXPANDED POLYSTYRENE	SIZE	1"
		NAME PLATE	EACH	1

ALL ITEMS ARE CATEGORY 0050, UNLESS NOTED OTHERWISE
✳✳ ITEM INCLUDED IN CATEGORY 0040

GEOMETRY TABLE

WALL STATION	ROADWAY STATION	OFFSET TO WALL R/L	TOP OF WALL EL.	FINISHED GRADE EL. F.F.
10+00.00	635+56.96	49.13' RT	914.30	914.30
10+25.00	635+78.24	36.45' RT	915.48	913.00
10+41.26	635+94.25	34.00' RT	915.85	912.72
10+50.00	636+02.99	34.00' RT	916.28	912.85
10+75.00	636+27.99	34.00' RT	917.02	913.26
11+00.00	636+52.99	34.00' RT	917.27	913.89
11+25.00	636+77.99	34.00' RT	917.45	914.65
11+50.00	637+02.99	34.00' RT	917.59	915.76
11+75.00	637+27.99	34.00' RT	917.74	915.86
12+00.00	637+52.99	34.00' RT	917.88	915.90
12+25.00	637+77.99	34.00' RT	918.02	915.94
12+50.00	638+02.99	34.00' RT	918.17	915.84
12+75.00	638+27.99	34.00' RT	918.31	915.88
13+00.00	638+52.99	34.00' RT	918.45	916.48
13+25.00	638+77.99	34.00' RT	918.60	918.09
13+29.37	638+82.36	34.00' RT	918.62	918.62

SOIL PARAMETERS

	SOIL DESCRIPTION	FRICTION ANGLE (DEGREES)	COHESION (PSF)	UNIT WEIGHT (PCF)
	GRANULAR BACKFILL BEHIND THE WALL	30	--	120
	DESIGN WALL VALUES			
⬟	EXISTING FILL/SAND SP DEPTH 0 FEET TO 7.5 FEET	28	--	115
⬟	SAND SP DEPTH 7.5 FEET TO 15 FEET	30	--	115
	BOR-5 - STA. 635+59.03 - 57.3' RT OF R/L NB PGL USH 12			
	EXISTING FILL/SAND SP EL. 912.8 TO EL. 910.8	--	--	--
	POORLY GRADED SAND SP EL. 910.8 TO EL. 897.8	--	--	--
	BOR-6 - STA. 637+15.31 - 42.9' RT OF R/L NB PGL USH 12			
	ASPHALT EL. 915.1 TO EL. 914.8	--	--	--
	SAND SP EL. 914.8 TO EL. 900.1	--	--	--
	BOR-7 - STA. 638+80.76 - 32.4' RT OF R/L NB PGL USH 12			
	EXISTING FILL/SAND SP EL. 917.3 TO EL. 914.3	--	--	--
	POORLY GRADED SAND SP EL. 914.3 TO EL. 902.3	--	--	--

⬟ DESIGN WALL FOR THESE VALUES

WALL EXTERNAL & OVERALL STABILITY EVALUATION

DIMENSIONS	
WALL HEIGHT (FEET)	5.4
EXPOSED WALL HEIGHT (FEET)	3.9
BORING LOCATION USED	B-5
APPROXIMATE WALL STATION	10+50
BACK SLOPE ABOVE WALL	0°
CAPACITY TO DEMAND RATIO (CDR)	
SLIDING (CDR > 1.0)	1.5
ECCENTRICITY (CDR > 1.0)	15.1
OVERALL STABILITY (CDR > 1.0)	2.2
BEARING RESISTANCE (CDR > 1.0)[1.]	3.4
FACTORED BEARING RESISTANCE (PSF)[1.]	3,538

NOTES:
1. ASSUMING 5'-0" BOTTOM BLOCK WIDTH & 6'-0" LEVELING PAD WIDTH.

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

BEVEL EXPOSED EDGES OF CONCRETE ¾" UNLESS OTHERWISE NOTED.

BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2" CLEAR COVER UNLESS OTHERWISE SHOWN OR NOTED.

THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE.

THESE PLANS ARE FOR A MODULAR BLOCK GRAVITY RETAINING WALL.

COORDINATES ON THIS PLAN ARE REFERENCED TO THE WISCONSIN COORDINATE REFERENCE SYSTEM (WISCRS), SAUK COUNTY, NAD 83 (2007), ALL STATIONS AND ELEVATIONS ARE IN FEET. ELEVATIONS ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM NAVD 88 (2007).

DESIGN FOR RETAINING WALL TO PROVIDE FOR FINISHED GRADE SLOPED BEHIND WALL AS SHOWN ON THIS SHEET AND ROADWAY CROSS SECTIONS.

ALL STATIONS AND DIMENSIONS ARE ALONG THE WALL R/L, UNLESS SHOWN OTHERWISE.

PLANS, DIMENSIONS AND QUANTITIES ARE BASED ON AN ASSUMED MODULAR BLOCK DEPTH OF 18 INCHES.

PRECAST MODULAR BLOCK TEXTURE SHALL BE COORDINATED WITH AND SELECTED BY THE VILLAGE FROM MANUFACTURER'S OPTIONS.

THE COST OF FURNISHING AND PLACING THE UNREINFORCED CONCRETE LEVELING PAD UNDER THE GRAVITY RETAINING WALL IS INCLUDED IN THE BID ITEM "WALL MODULAR BLOCK GRAVITY R-56-38".

THE PLAN QUANTITY FOR THE ITEM "WALL MODULAR BLOCK GRAVITY R-56-38" IS BASED ON A WALL HEIGHT MEASURED FROM THE TOP OF WALL TO A CONSTANT DEPTH OF 1'-6" BELOW FINISHED GRADE.

THE UTILITY INFORMATION SHOWN ON THESE DRAWINGS CONCERNING TYPE AND LOCATION OF UNDERGROUND UTILITIES IS NOT GUARANTEED TO BE ACCURATE OR ALL-INCLUSIVE. THE CONTRACTOR IS RESPONSIBLE FOR MAKING THEIR OWN DETERMINATIONS AS TO TYPE AND LOCATION OF UNDERGROUND UTILITIES AS MAY BE NECESSARY TO AVOID DAMAGE. UTILITIES LABELED AS PROPOSED MAY BE INSTALLED BY OTHERS PRIOR TO THIS CONTRACT.

PROTECTIVE SURFACE TREATMENT TO BE APPLIED TO TOP OF ANCHOR SLAB.

ANTI-GRAFFITI COATING TO BE APPLIED TO F.F. OF WALL FROM TOP OF WALL TO 1'-0" MIN. BELOW FINISHED GRADE, INCLUDING DRIP EDGE.

EXCAVATE 2'-0" BELOW LEVELING PAD AND BACKFILL WITH BASE AGGREGATE DENSE 1 1/4-INCH. PROVIDING BASE AGGREGATE, EXCAVATION AND BACKFILLING SHALL BE INCIDENTAL TO BID ITEM "WALL MODULAR BLOCK GRAVITY R-56-38".

AT THE BACKFACE OF THE WALL ALL EXCAVATED VOLUME NOT OCCUPIED BY NEW STRUCTURE SHALL BE BACKFILLED WITH BACKFILL TYPE A OR GRANULAR BACKFILL GRADE 1 AS SHOWN IN THE TYPICAL SECTION. BACKFILLING SHALL BE INCIDENTAL TO BID ITEM "WALL MODULAR BLOCK GRAVITY R-56-38". LIMITS OF EXCAVATION SHALL BE DETERMINED BY THE CONTRACTOR.

STATE PROJECT NUMBER

6145-01-73

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE R-56-38

DRAWN BY CWG | PLANS CK'D KGW

TYPICAL SECTION & GENERAL NOTES

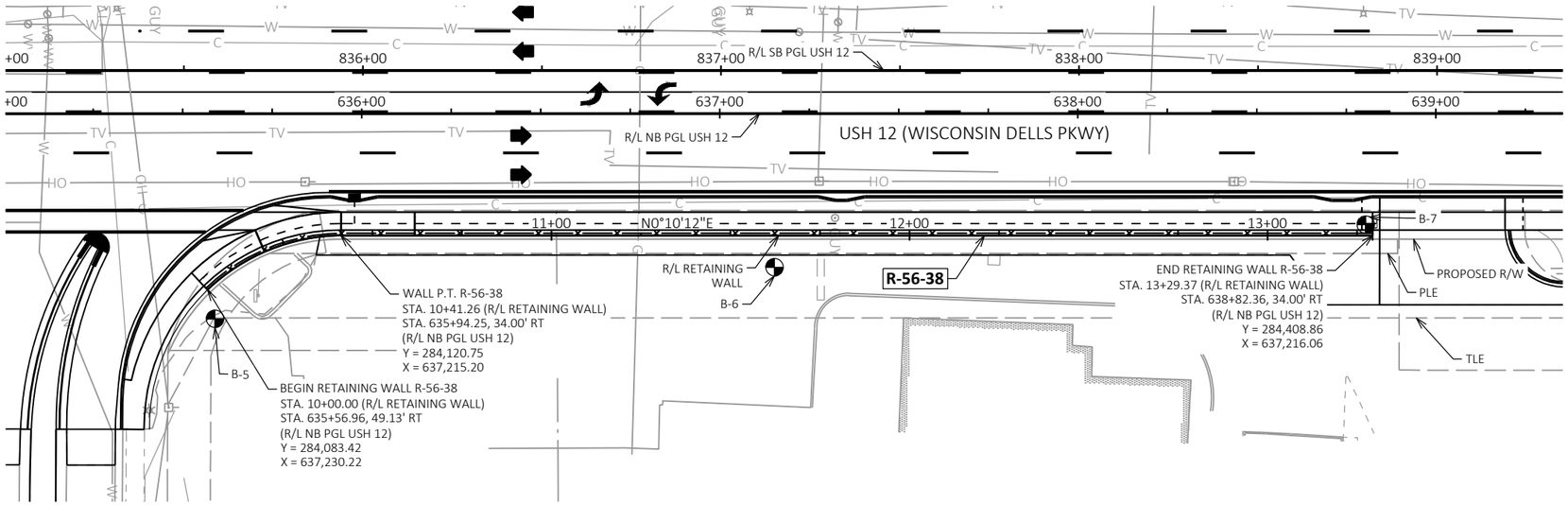
SHEET 2 OF 5
1019

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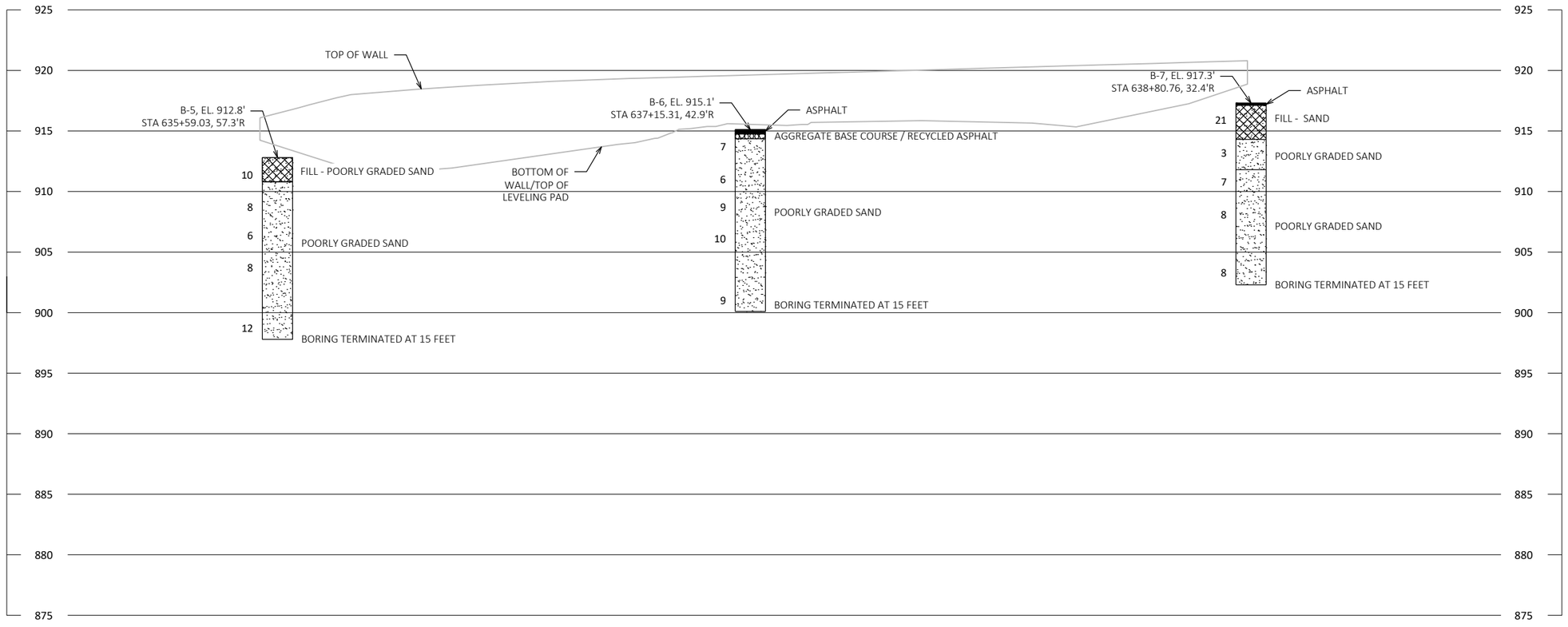
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BORING #	DATE COMPLETED	NORTHING (Y)	EASTING (X)
B-5	05-01-2023	284,085.46	637,238.37
B-6	05-01-2023	284,241.78	637,224.46
B-7	05-01-2023	284,407.27	637,214.46
BORINGS COMPLETED BY: CS DRILLING, INC.			
REPORT COMPLETED BY: TERRACON			
ALL COORDINATES REFERENCED TO (WISCRS), SAUK COUNTY NAD 83 (2007), IN U.S. SURVEY FEET			



PLAN



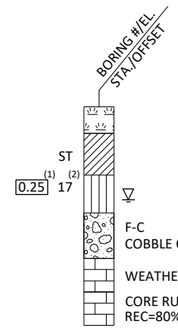
STATE PROJECT NUMBER

6145-01-73

MATERIAL SYMBOLS

ASPHALT, TOPSOIL, PEAT, CONCRETE, FILL, GRAVEL, SAND, CLAY, SILT, BOULDERS OR COBBLES, LIMESTONE, BEDROCK (UNKNOWN), SHALE, SANDSTONE, IGNEOUS/META

LEGEND OF BORING



(1) UNCONFINED STRENGTH, AS DETERMINED BY A POCKET PENETROMETER (TSF)

(2) UNLESS OTHERWISE, SPECIFIED THE SPT 'N' VALUE IS BASED ON AASHTO T-206, STANDARD PENETRATION TEST. THE SPT 'N' VALUE PRESENTED HAS NOT BEEN CORRECTED FOR OVERBURDEN PRESSURE OR HAMMER EFFICIENCY.

GROUND WATER ELEVATION

AT TIME OF DRILLING
END OF DRILLING
AFTER DRILLING

ABBREVIATIONS

F-FINE M-MEDIUM C-COARSE ST-SHELBY TUBE

SUBSURFACE EXPLORATION FOR FOUNDATION DESIGN AND BIDDERS INFORMATION

BORINGS WERE COMPLETED AT POINTS APPROXIMATELY AS INDICATED ON THIS DRAWING TO OBTAIN INFORMATION CONCERNING THE CHARACTER OF SUBSURFACE MATERIALS FOUND AT THE SITE. BECAUSE THE INVESTIGATED DEPTHS ARE LIMITED AND THE AREA OF THE BORINGS IS VERY SMALL IN RELATION TO THE ENTIRE SITE, THE WISCONSIN DEPARTMENT OF TRANSPORTATION DOES NOT WARRANT SIMILAR SUBSURFACE CONDITIONS BELOW, BETWEEN, OR BEYOND THESE BORINGS. VARIATIONS IN SOIL CONDITIONS SHOULD BE EXPECTED AND FLUCTUATIONS IN GROUNDWATER LEVELS MAY OCCUR.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE R-56-38

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SUBSURFACE EXPLORATION

SHEET 3 OF 5

1020

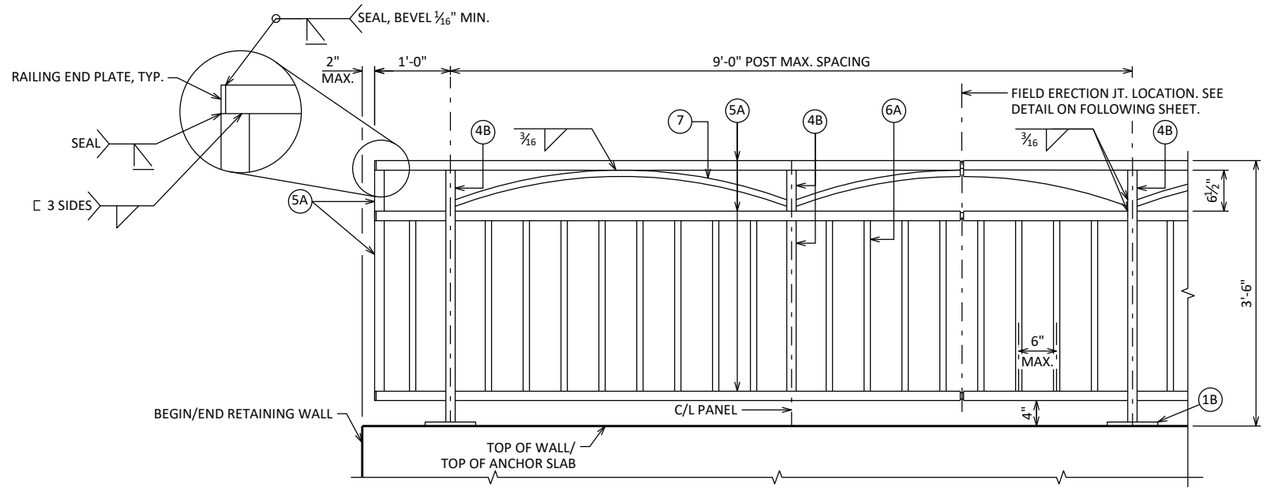
SCALE =

8

8

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TYPE C3 PEDESTRIAN RAILING ELEVATION



R502

NOTES

ALL BAR STEEL SHALL BE EPOXY COATED.

LAP R403 A MINIMUM OF 1'-0".

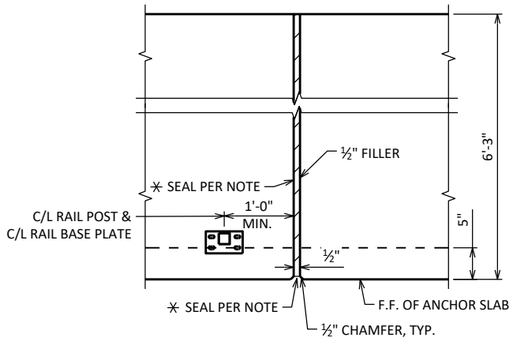
SEE SHEET 5 FOR MATERIAL PROPERTIES.

BILL OF BARS

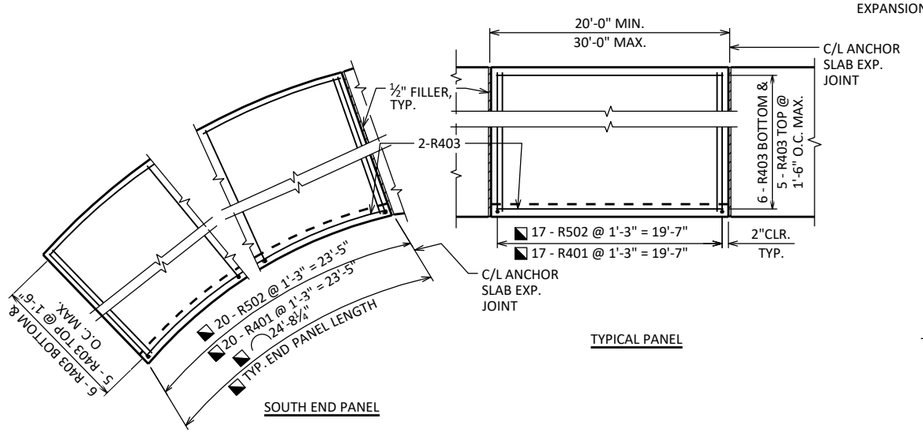
NOTE: THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE.

BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION
R401	X	278	5'-11"			TRAN. BOTTOM ANCHOR SLAB
R502	X	278	6'-9"	X		TRAN. TOP ANCHOR SLAB
R403	X	11	329'-0"			LONG. TOP & BOTTOM

R403 BAR LENGTH SHOWN FOR QUANTITY PURPOSES ONLY.
IF FIELD CUTTING IS REQUIRED, TOUCH UP CUT ENDS WITH AN EPOXY COATING

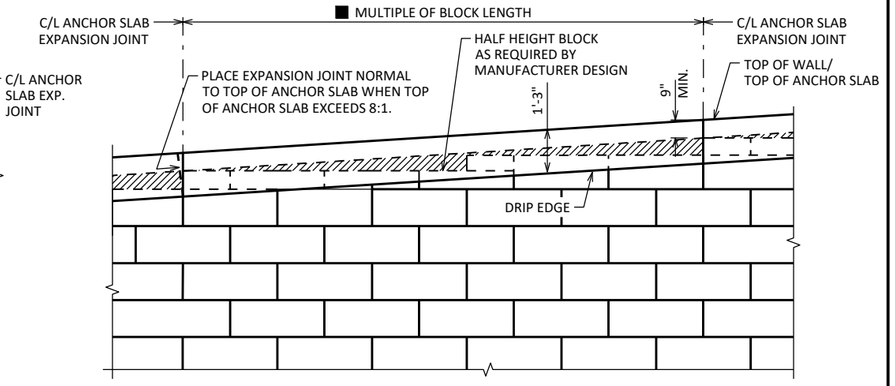


■ ANCHOR SLAB EXPANSION JOINT DETAIL



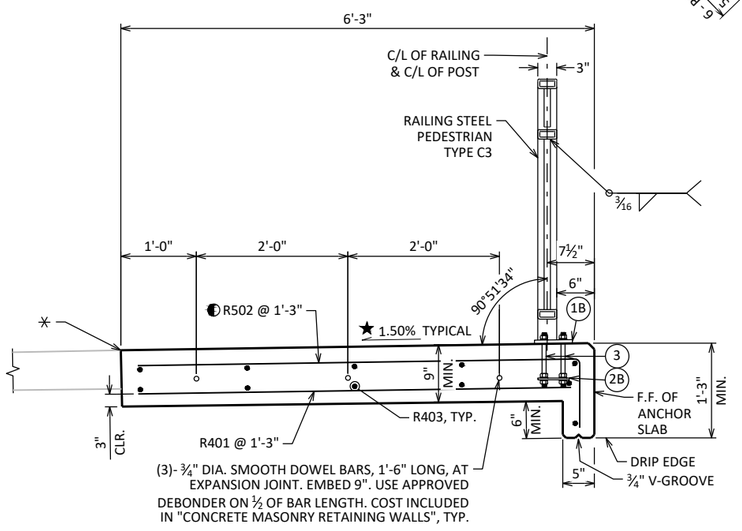
TYPICAL PANEL

SOUTH END PANEL



CAST-IN-PLACE ANCHOR SLAB PARTIAL ELEVATION

LOOKING AT F.F. OF WALL
RAILING NOT SHOWN FOR CLARITY



SECTION THRU ANCHOR ANCHOR SLAB

ANCHOR SLAB PLAN

PANEL LENGTH MEASURED ALONG R/L
RAILING NOT SHOWN FOR CLARITY

LEGEND

- ✳ SEAL ALL EXPOSED HORIZ. & VERT. SURFACES OF FILLER WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD ⅛" BELOW SURFACE OF CONC.)
- ■ ANCHOR SLAB EXPANSION JOINTS TO BE SPACED AT A MINIMUM OF 20' AND A MAXIMUM OF 30'. DO NOT RUN BAR STEEL THRU JOINT, EXCEPT FOR DOWEL BARS. JOINT TO EXTEND FULL DEPTH OF ANCHOR SLAB. ALL EXPANSION JOINTS MUST COINCIDE WITH A BLOCK JOINT ON THE FRONT FACE OF WALL.
- ◐ ADJUST REBAR VERTICAL LEG AS REQUIRED TO ACCOMMODATE WALL BLOCK GEOMETRY/STEPS TO MAINTAIN 2" CLEAR COVER.
- ◪ REBAR QUANTITIES/END PANEL LENGTH SHOWN USES A TYPICAL ANCHOR SLAB EXPANSION JOINT SPACING OF 20'-0".
- ▨ ANCHOR SLAB CONCRETE REQUIRED TO ACCOMMODATE WALL BLOCK GEOMETRY/STEPS SHALL BE INCIDENTAL TO BID ITEM "WALL MODULAR BLOCK GRAVITY R-56-38".
- ★ SLOPE VARIES AS REQUIRED FOR CURB RAMP AT SOUTH END OF WALL. SEE ROADWAY PLANS FOR CURB RAMP DETAIL.

NO.	DATE	REVISION	BY

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STRUCTURE R-56-38

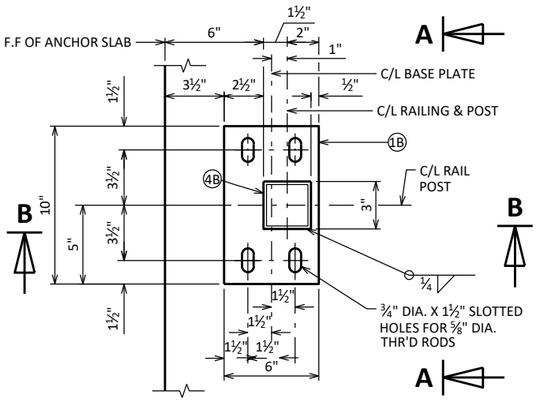
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ANCHOR SLAB & RAILING ELEVATION

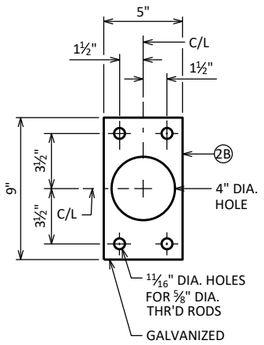
SHEET 4 OF 5
1021

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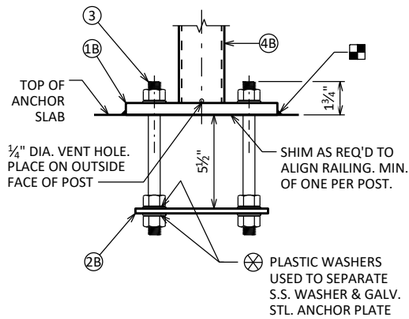
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TYPICAL RAIL POST BASE PLATE

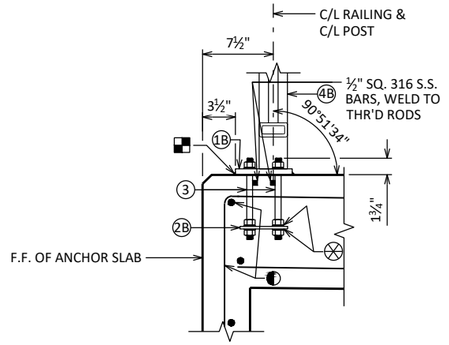


ANCHOR PLATE



SECTION A-A

NOTE: ANCHOR PLATE NOT REQUIRED WHEN ADHESIVE ANCHORS ARE USED.



SECTION B-B

NOTE: ANCHOR PLATE NOT REQUIRED WHEN ADHESIVE ANCHORS ARE USED.

◐ WHEN ADHESIVE ANCHORS ARE USED, FIELD BEND AND/OR DISPLACE TO AVOID HITTING LONGITUDINAL BAR WHEN DRILLING FOR ADHESIVE ANCHORS.

LEGEND

(1B) PLATE ⅝" X 6" X 10" WITH ¾" X 1½" SLOTTED HOLES.

(2B) ¼" X 5" X 9" ANCHOR PLATE WITH 11/16" DIA. HOLES FOR THR'D RODS NO. 3.

(3) ⅝" DIA. X 9" LONG, TYPE 316 STAINLESS STEEL THREADED RODS (MIN. TENSILE STRENGTH = 70 KSI) WITH NUT AND WASHERS OF SAME ALLOY GROUP. ALTERNATIVE ANCHORAGE: CONCRETE ADHESIVE ANCHORS ⅝-INCH. EMBED 7" IN CONCRETE FOR RAIL POSTS. ADHESIVE ANCHORS SHALL CONFORM TO SECTIONS 502.2.12 OF THE STANDARD SPECIFICATIONS.

(4B) STRUCTURAL TUBING 3" X 3" X 3/16". PLACE VERTICAL. WELD TO NO. 1 & 5.

(5A) STRUCTURAL TUBING 3" X 1½" X 3/16" RAILS. WELD TO NO. 1 & NO. 4. INSIDE OF TUBE TO BE PAINTED AT ALL FIELD ERECTION & EXPANSION JOINTS.

(6A) BAR 1" X 1" PICKETS. WELD TO NO. 5. (SPACE AT 6" MAX. C/L TO C/L SPACING). PLACE VERTICAL.

(7) BAR 1" X 1". BEND TO REQUIRED RADIUS. WELD TO NO. 4 & 5.

(9A) RECTANGULAR SLEEVE FABRICATED FROM 3/16" PLATES. PROVIDE "SLIDING FIT".

(10A) RECTANGULAR SLEEVE FABRICATED FROM 3/16" PLATES. (1'-4" @ FIELD ERECTION JTS.)

RAILING NOTES

BID ITEM SHALL BE "RAILING STEEL PEDESTRIAN TYPE C3", WHICH SHALL INCLUDE ALL STEEL ITEMS & PLASTIC WASHERS SHOWN.

POST BASE PLATES SHALL BE FLAT WITH ALL SURFACES SMOOTH AND FREE FROM WARP AND ALL EDGES SMOOTH, STRAIGHT, AND VERTICAL. ALL PLATE CUTS SHALL BE MACHINE OR MACHINE FLAME CUT.

ALL PLATES, BARS, AND RECTANGULAR SLEEVES SHALL CONFORM TO ASTM A709 GRADE 36. ALL STRUCTURAL TUBING SHALL CONFORM TO ASTM A500 GRADE B.

ANCHORAGES SHALL BE ACCURATELY PLACED TO PROVIDE CORRECT ALIGNMENT OF RAILING. SET NORMAL TO GRADE.

CUT BOTTOM OF POST TO MAKE POST VERTICAL IN BOTH TRANSVERSE AND LONGITUDINAL DIRECTION.

STEEL SHIMS SHALL BE PROVIDED & USED UNDER BASE PLATES WHERE REQUIRED FOR ALIGNMENT, AND SHALL BE GALVANIZED.

■ CAULK AROUND PERIMETER OF BASE PLATES, NO. 1, AND FILL BOLT SLOT OPENINGS IN SHIMS AND BASE PLATES WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER.

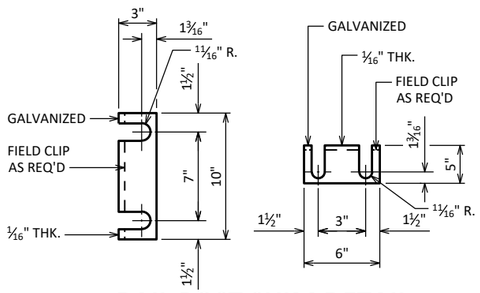
ALL JOINTS AND RECESSES IN CONCRETE ANCHOR SLAB ARE TO BE VERTICAL.

ALL MATERIAL (EXCEPT NO. 3) SHALL BE GALVANIZED AFTER FABRICATION. PRIOR TO GALVANIZING, THE STEEL RAILING SHALL BE GIVEN A NO. 6 BLAST CLEANING PER SSPC SPECIFICATIONS. PAINT OVER GALVANIZING WITH AN APPROVED TIE COAT AND TOP COAT AS SPECIFIED IN THE CONTRACT DOCUMENTS. THE RAILING SHALL BE PAINTED AMS STD. COLOR NO. 27038 (BLACK).

VENT HOLES SHALL BE DRILLED IN POST AND RAIL MEMBERS AS REQUIRED TO FACILITATE GALVANIZING AND DRAINAGE.

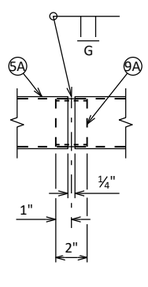
RAILING SHALL BE FABRICATED IN LENGTHS THAT INCLUDE 3 OR 4 POSTS.

TOUCH-UP PAINTING TO BE DONE AT COMPLETION OF STEEL RAILING INSTALLATION TO THE SATISFACTION OF THE ENGINEER AT NO EXTRA COST.



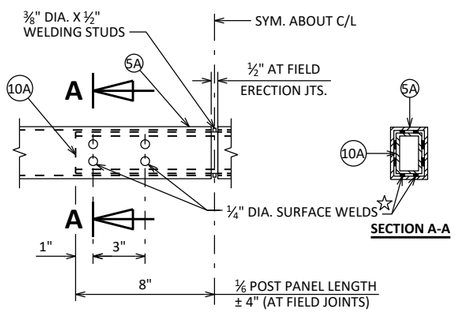
RAIL POST SHIM DETAIL

(2 SETS PER POST)



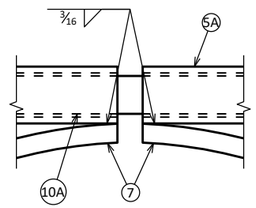
SHOP RAIL SPLICE DETAIL

(LOCATION MUST BE SHOWN ON SHOP DRAWINGS)



FIELD ERECTION JOINT DETAIL

☆ MIN. ⅝" FLAT SURFACE DIA. PUNCHINGS OR STUDS MAY BE USED AS AN ALTERNATE.



CURVED MEMBER JOINT DETAIL

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DEPARTMENT OF TRANSPORTATION

STRUCTURE R-56-38

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PEDESTRIAN RAIL TYPE 'C3 ' DETAILS

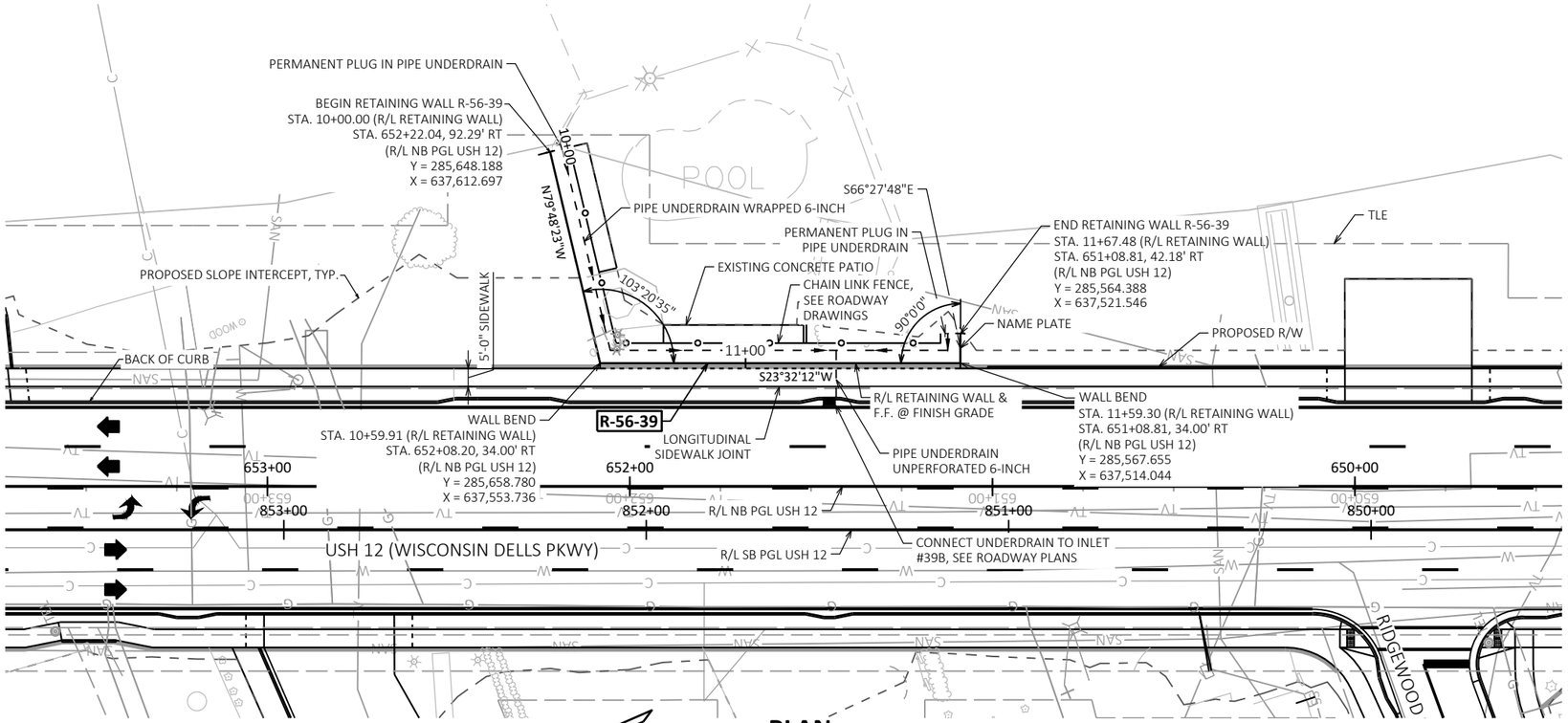
SHEET 5 OF 5
1022

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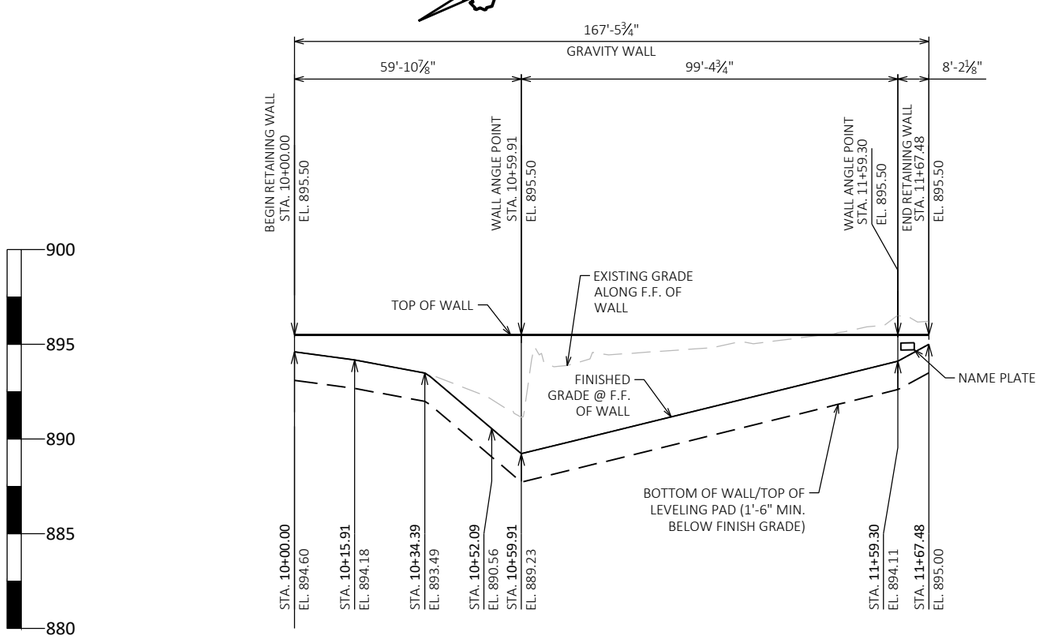
STATE PROJECT NUMBER

6145-01-73



PLAN

GRAVITY WALL WITH WET CAST BLOCK FACING



ELEVATION

LOOKING EAST

(DIMENSIONS AND STATIONS GIVEN ALONG FRONT FACE OF WALL)

DESIGN DATA

THE CONTRACTOR SHALL PROVIDE COMPLETE DESIGN, PLANS, DETAILS, SPECIFICATIONS, AND SHOP DRAWINGS FOR THE RETAINING WALLS IN ACCORDANCE WITH THE SPECIAL PROVISIONS. THE RETAINING WALL MANUFACTURER SHALL PROVIDE TECHNICAL ASSISTANCE TO THE CONTRACTOR DURING CONSTRUCTION. THE COST OF FURNISHING THESE ITEMS SHALL BE INCLUDED IN THE BID ITEM "WALL MODULAR BLOCK GRAVITY R-56-39".

PLANS, ELEVATIONS, AND DETAILS SHOWN ON THESE DRAWINGS ARE INTENDED TO INDICATE WALL LOCATIONS, LENGTHS, HEIGHTS, AND DETAILS COMMON TO THE WALL SYSTEM SELECTED. THE CONTRACTOR SHALL VERIFY THAT THE WALL SYSTEM SELECTED WILL CONFORM TO THE REQUIRED ALIGNMENTS AND DETAILS.

THE RETAINING WALL IS TO BE DESIGNED USING THE ELEVATIONS GIVEN ON THIS SHEET.

DESIGN RETAINING WALL FOR A LIVE LOAD SURCHARGE OF 240 PSF.

THE MAXIMUM VALUE OF THE ANGLE OF INTERNAL FRICTION OF THE WALL BACKFILL MATERIAL SHALL BE ASSUMED TO BE 30° WITHOUT CERTIFIED TEST VALUES.

LIVE LOAD:

LIVE LOAD SURCHARGE: 240 PSF

ALLOWABLE WALL SYSTEMS

WALL MODULAR BLOCK GRAVITY

TRAFFIC DATA

USH 12

ADT = 21,900 (2045)
R.D.S. = 40 MPH

LIST OF DRAWINGS

1. GENERAL PLAN & ELEVATION
2. TYPICAL SECTION & GENERAL NOTES
3. SUBSURFACE EXPLORATION

WISCONSIN
WYATT ROZMENOSKI
47659
MILWAUKEE, WI
PROFESSIONAL ENGINEER

Wyatt A. Rozmenoski 7/22/2025

STRUCTURE DESIGN CONTACTS:

CONSULTANT CONTACT: WYATT ROZMENOSKI (414) 259-1500
BOS CONTACT: AARON BONK (608) 261-0261

NO.	DATE	REVISION	BY

GRÄEF
275 W. Wisconsin Avenue
Suite 300
Milwaukee, WI 53203
414 / 259 1500
414 / 259 0037 fax
www.graef-usa.com

STATE OF WISCONSIN DEPARTMENT OF TRANSPORATION

ACCEPTED JLR 07/22/25
CHIEF STRUCTURES DESIGN ENGINEER — DATE

STRUCTURE R-56-39

USH 12 (WISCONSIN DELLS PARKWAY)

COUNTY	VILLAGE
SAUK	LAKE DELTON

DESIGN SPEC.
AASHTO LRFD BRIDGE DESIGN SPECIFICATION

DESIGNED BY	DESIGNED CK'D	DRAWN BY	PLANS CK'D
CWG	WAR	CWG	KGW

GENERAL PLAN & ELEVATION

SHEET 1 OF 3
1023

SCALE =

I.D. 6145-01-03

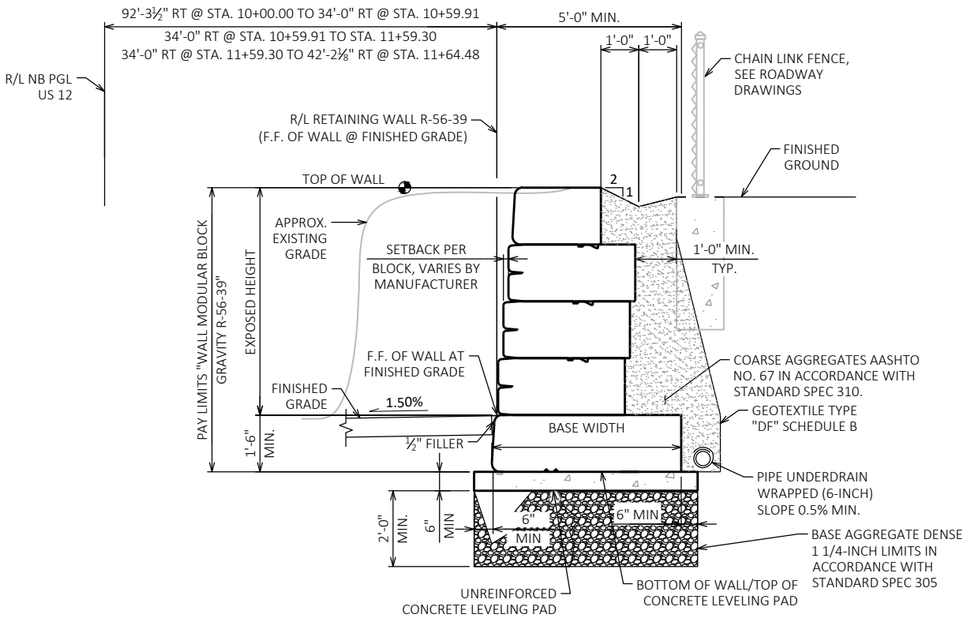
DATE: 2023

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STATE PROJECT NUMBER

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WALL TYPICAL SECTION

GRAVITY WALL WITH WET CAST BLOCK FACING

TOTAL ESTIMATED QUANTITIES

	BID ITEM NUMBER	BID ITEMS	UNIT	TOTALS
	612.0206	PIPE UNDERDRAIN UNPERFORATED 6-INCH	LF	14
	612.0406	PIPE UNDERDRAIN WRAPPED 6-INCH	LF	168
⚹⚹	SPV.0165.010	ANTI-GRAFFITI COATING	SF	777
	SPV.0165.017	WALL MODULAR BLOCK GRAVITY R-56-39	SF	791
		NON-BID ITEMS		
		NAME PLATE	EACH	1

ALL ITEMS ARE CATEGORY 0060, UNLESS NOTED OTHERWISE

⚹⚹ ITEM INCLUDED IN CATEGORY 0040

WALL EXTERNAL & OVERALL STABILITY EVALUATION

DIMENSIONS	
WALL HEIGHT (FEET)	7.2
EXPOSED WALL HEIGHT (FEET)	5.7
BORING LOCATION USED	B-9
APPROXIMATE WALL STATION	10+60
BACK SLOPE ABOVE WALL	0°
CAPACITY TO DEMAND RATIO (CDR)	
SLIDING (CDR > 1.0)	1.6
ECCENTRICITY (CDR > 1.0)	5.0
OVERALL STABILITY (CDR > 1.0)	1.8
BEARING RESISTANCE (CDR > 1.0)[1.]	2.8
FACTORED BEARING RESISTANCE (PSF)[1.]	3,738

NOTES:
1. ASSUMING 5'-0" BOTTOM BLOCK WIDTH & 6'-0" LEVELING PAD WIDTH.

GEOMETRY TABLE

WALL STATION	ROADWAY STATION	OFFSET TO WALL R/L	TOP OF WALL EL.	FINISHED GRADE EL. F.F.
10+00.00	652+22.04	92.29	895.50	894.60
10+25.00	652+16.26	67.96	895.50	893.84
10+50.00	652+10.49	43.64	895.50	890.91
10+59.91	652+08.20	34.00	895.50	889.23
10+75.00	651+93.11	34.00	895.50	889.97
11+00.00	651+68.11	34.00	895.50	891.20
11+25.00	651+43.11	34.00	895.50	892.43
11+50.00	651+18.11	34.00	895.50	893.65
11+59.30	651+08.81	34.00	895.50	894.11
11+67.48	651+08.81	42.18	895.50	895.00

BENCH MARK

NO.	STATION	OFFSET	DESCRIPTION	EL.
BM8	649+51.06	40.32' LT	RR SPIKE IN NORTH FACE OF PP#13-6-16.3 AT SW CORNER OF RIDGEWOOD ST AND WISCONSIN DELLS PARKWAY	903.22

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

THESE PLANS ARE FOR A MODULAR BLOCK GRAVITY RETAINING WALL.

COORDINATES ON THIS PLAN ARE REFERENCED TO THE WISCONSIN COORDINATE REFERENCE SYSTEM (WISCRS), SAUK COUNTY, NAD 83 (2007), ALL STATIONS AND ELEVATIONS ARE IN FEET. ELEVATIONS ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM NAVD 88 (2007).

DESIGN FOR RETAINING WALL TO PROVIDE FOR FINISHED GRADE SLOPED BEHIND WALL AS SHOWN ON THIS SHEET AND ROADWAY CROSS SECTIONS.

ALL STATIONS AND DIMENSIONS ARE ALONG THE WALL R/L, UNLESS SHOWN OTHERWISE.

PLANS, DIMENSIONS AND QUANTITIES ARE BASED ON AN ASSUMED MODULAR BLOCK DEPTH OF 18 INCHES.

PRECAST MODULAR BLOCK TEXTURE SHALL BE COORDINATED WITH AND SELECTED BY THE VILLAGE FROM MANUFACTURER'S OPTIONS.

THE COST OF FURNISHING AND PLACING THE UNREINFORCED CONCRETE LEVELING PAD UNDER THE GRAVITY RETAINING WALL IS INCLUDED IN THE BID ITEM "WALL MODULAR BLOCK GRAVITY R-56-39".

THE PLAN QUANTITY FOR THE ITEM "WALL MODULAR BLOCK GRAVITY R-56-39" IS BASED ON A WALL HEIGHT MEASURED FROM THE TOP OF WALL TO A CONSTANT DEPTH OF 1'-6" BELOW FINISHED GRADE.

REMOVAL OF EXISTING BLOCK WALL WILL BE PAID FOR UNDER BID ITEM "REMOVING EXISTING BLOCK RETAINING WALL" AS SHOWN ON ROADWAY PLANS.

THE UTILITY INFORMATION SHOWN ON THESE DRAWINGS CONCERNING TYPE AND LOCATION OF UNDERGROUND UTILITIES IS NOT GUARANTEED TO BE ACCURATE OR ALL-INCLUSIVE. THE CONTRACTOR IS RESPONSIBLE FOR MAKING THEIR OWN DETERMINATIONS AS TO TYPE AND LOCATION OF UNDERGROUND UTILITIES AS MAY BE NECESSARY TO AVOID DAMAGE. UTILITIES LABELED AS PROPOSED MAY BE INSTALLED BY OTHERS PRIOR TO THIS CONTRACT.

ANTI-GRAFFITI COATING TO BE APPLIED TO F.F. OF WALL FROM TOP OF WALL TO 1'-0" MIN. BELOW FINISHED GRADE, INCLUDING DRIP EDGE.

EXCAVATE 2'-0" BELOW LEVELING PAD AND BACKFILL WITH BASE AGGREGATE DENSE 1 1/4-INCH. PROVIDING BASE AGGREGATE, EXCAVATION AND BACKFILLING SHALL BE INCIDENTAL TO BID ITEM "WALL MODULAR BLOCK GRAVITY R-56-39".

AT THE BACK FACE OF THE WALL ALL EXCAVATED VOLUME NOT OCCUPIED BY NEW STRUCTURE SHALL BE BACKFILLED WITH BACKFILL TYPE A OR GRANULAR BACKFILL GRADE 1 AS SHOWN IN THE TYPICAL SECTION. BACKFILLING SHALL BE INCIDENTAL TO BID ITEM "WALL MODULAR BLOCK GRAVITY R-56-39". LIMITS OF EXCAVATION SHALL BE DETERMINED BY THE CONTRACTOR.

SOIL PARAMETERS

	SOIL DESCRIPTION	FRICTION ANGLE (DEGREES)	COHESION (PSF)	UNIT WEIGHT (PCF)
	GRANULAR BACKFILL BEHIND THE WALL	30	--	120
	DESIGN WALL VALUES			
⬟	EXISTING FILL/SAND SP DEPTH 0 FEET TO 6 FEET	28	--	115
⬟	SAND SP DEPTH 6 FEET TO 15 FEET	30	--	115
	BOR-9 - STA. 652+16.41 - 56.3' RT OF R/L NB PGL USH 12			
	ASPHALT EL. 893.1 TO EL. 892.8	--	--	--
	EXISTING FILL/POORLY GRADED SAND SP EL. 892.8 TO EL. 890.1	--	--	--
	POORLY GRADED SAND SP EL. 890.1 TO EL. 873.1	--	--	--
	BOR-8 - STA. 651+05.93 - 35' RT OF R/L NB PGL USH 12			
	AGGREGATE BASE COURSE EL. 895.8 TO EL. 895.3	--	--	--
	POORLY GRADED SAND SP EL. 895.3 TO EL. 890.3	--	--	--
	POORLY GRADED SAND SP EL. 890.3 TO EL. 880.8	--	--	--

⬟ DESIGN WALL FOR THESE VALUES

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DEPARTMENT OF TRANSPORTATION

STRUCTURE R-56-39

DRAWN BY CWG | PLANS CK'D KGW

TYPICAL SECTION & GENERAL NOTES

SHEET 2 OF 3

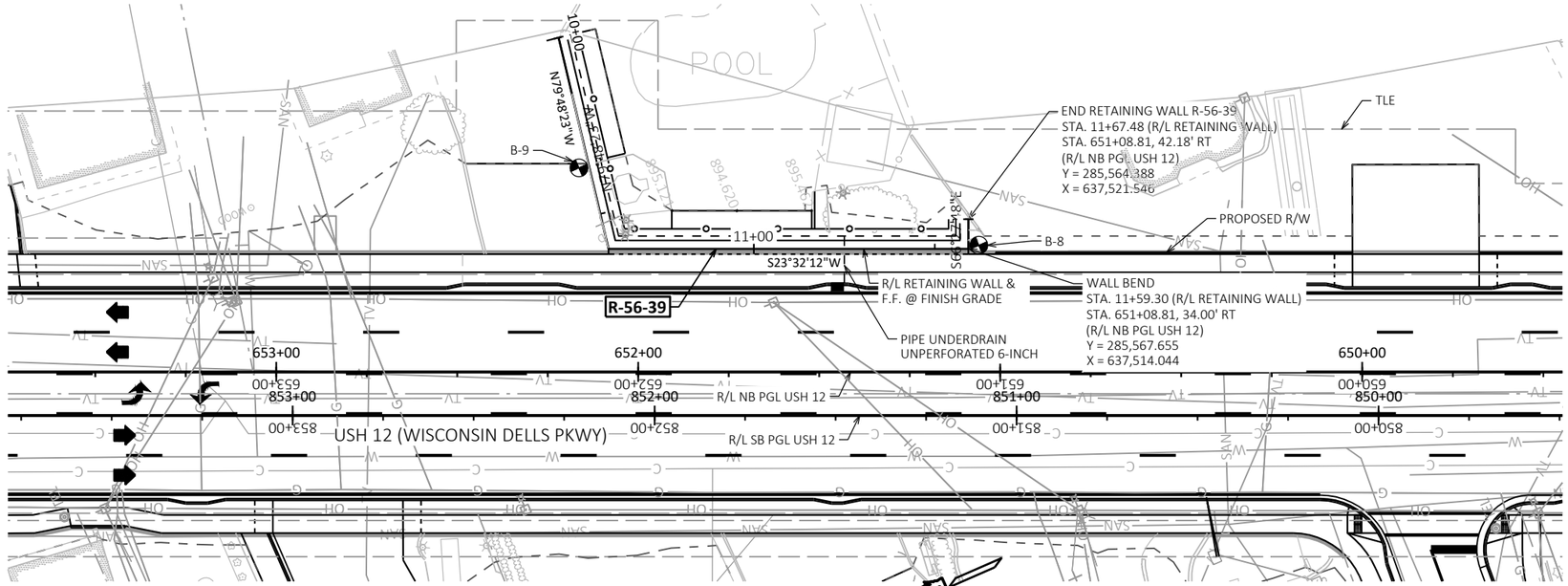
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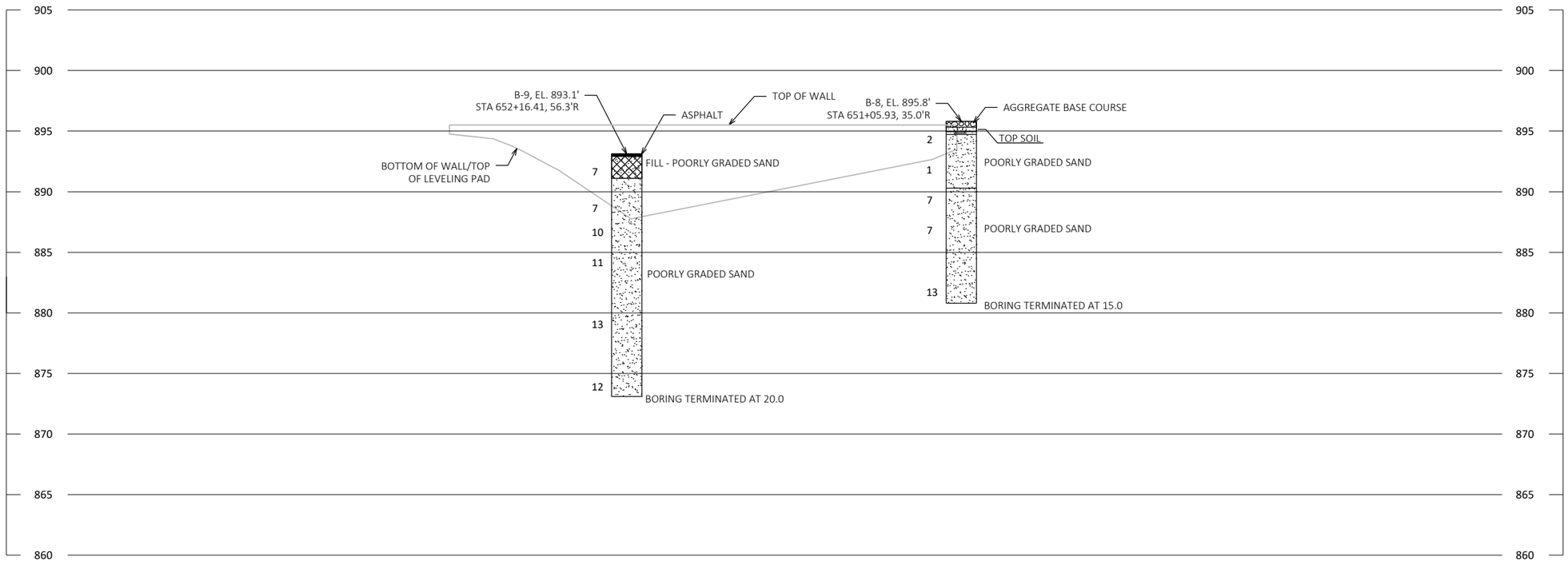
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BORING #	DATE COMPLETED	NORTHING (Y)	EASTING (X)
B-8	05-01-2023	285,564.6430	637,513.7730
B-9	05-01-2023	285,657.4020	637,577.4730
BORINGS COMPLETED BY: CS DRILLING, INC.			
REPORT COMPLETED BY: TERRACON			
ALL COORDINATES REFERENCED TO (WISCRS), SAUK COUNTY NAD 83 (2007), IN U.S. SURVEY FEET			



PLAN



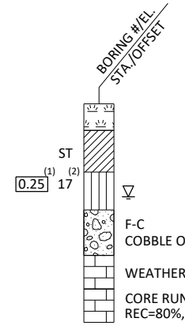
STATE PROJECT NUMBER

6145-01-73

MATERIAL SYMBOLS

ASPHALT, TOPSOIL, PEAT, CONCRETE, FILL, GRAVEL, SAND, CLAY, SILT, BOULDERS OR COBBLES, LIMESTONE, BEDROCK (UNKNOWN), SHALE, SANDSTONE, IGNEOUS/META

LEGEND OF BORING



(1) UNCONFINED STRENGTH, AS DETERMINED BY A POCKET PENETROMETER (TSF)

(2) UNLESS OTHERWISE, SPECIFIED THE SPT 'N' VALUE IS BASED ON AASHTO T-206, STANDARD PENETRATION TEST. THE SPT 'N' VALUE PRESENTED HAS NOT BEEN CORRECTED FOR OVERBURDEN PRESSURE OR HAMMER EFFICIENCY.

GROUND WATER ELEVATION

- AT TIME OF DRILLING
- END OF DRILLING
- AFTER DRILLING

ABBREVIATIONS

F-FINE M-MEDIUM C-COARSE ST-SHELBY TUBE

SUBSURFACE EXPLORATION FOR FOUNDATION DESIGN AND BIDDERS INFORMATION

BORINGS WERE COMPLETED AT POINTS APPROXIMATELY AS INDICATED ON THIS DRAWING TO OBTAIN INFORMATION CONCERNING THE CHARACTER OF SUBSURFACE MATERIALS FOUND AT THE SITE. BECAUSE THE INVESTIGATED DEPTHS ARE LIMITED AND THE AREA OF THE BORINGS IS VERY SMALL IN RELATION TO THE ENTIRE SITE, THE WISCONSIN DEPARTMENT OF TRANSPORTATION DOES NOT WARRANT SIMILAR SUBSURFACE CONDITIONS BELOW, BETWEEN, OR BEYOND THESE BORINGS. VARIATIONS IN SOIL CONDITIONS SHOULD BE EXPECTED AND FLUCTUATIONS IN GROUNDWATER LEVELS MAY OCCUR.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE R-56-39

DRAWN BY CWG | PLANS CK'D KGW

SUBSURFACE EXPLORATION

SHEET 3 OF 3
1025

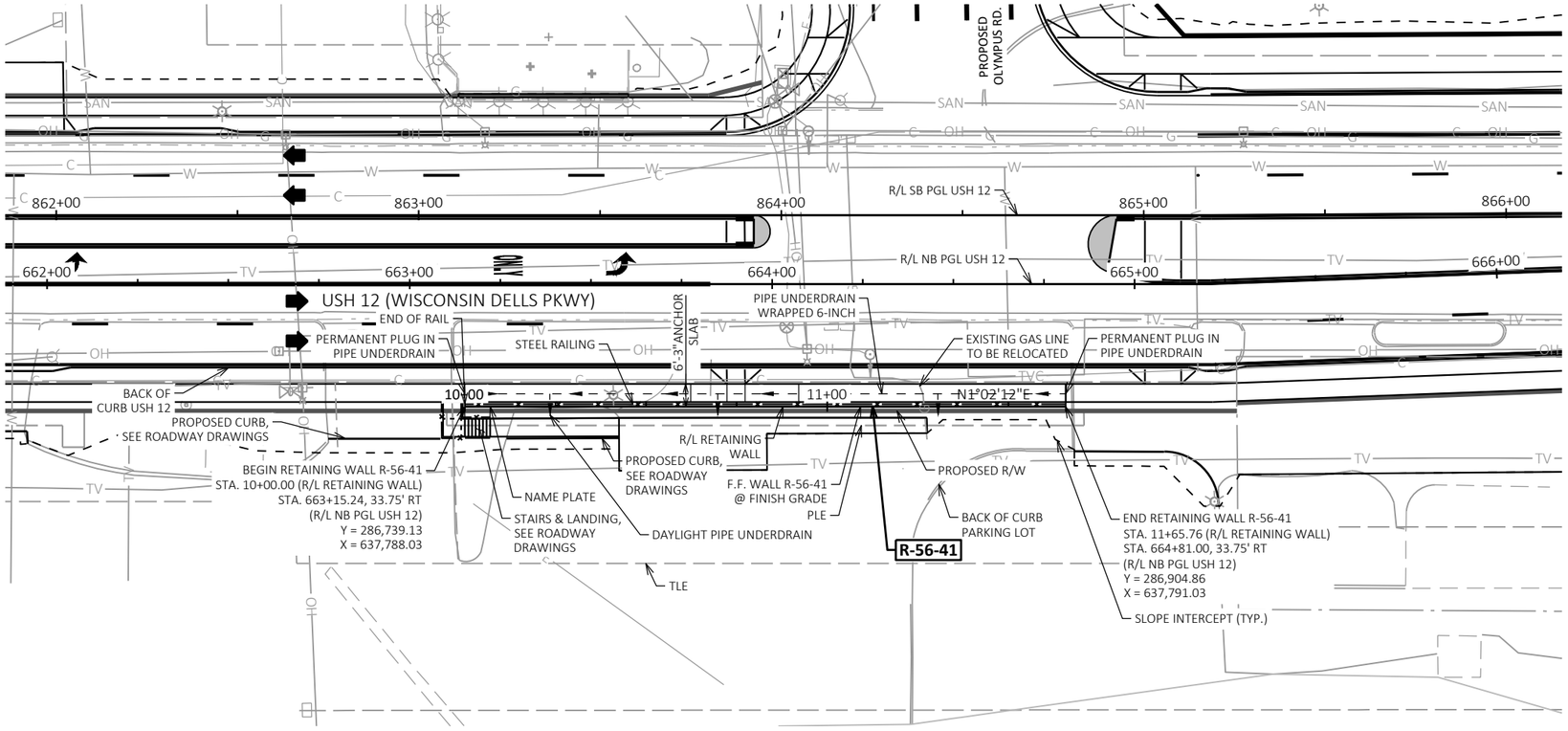
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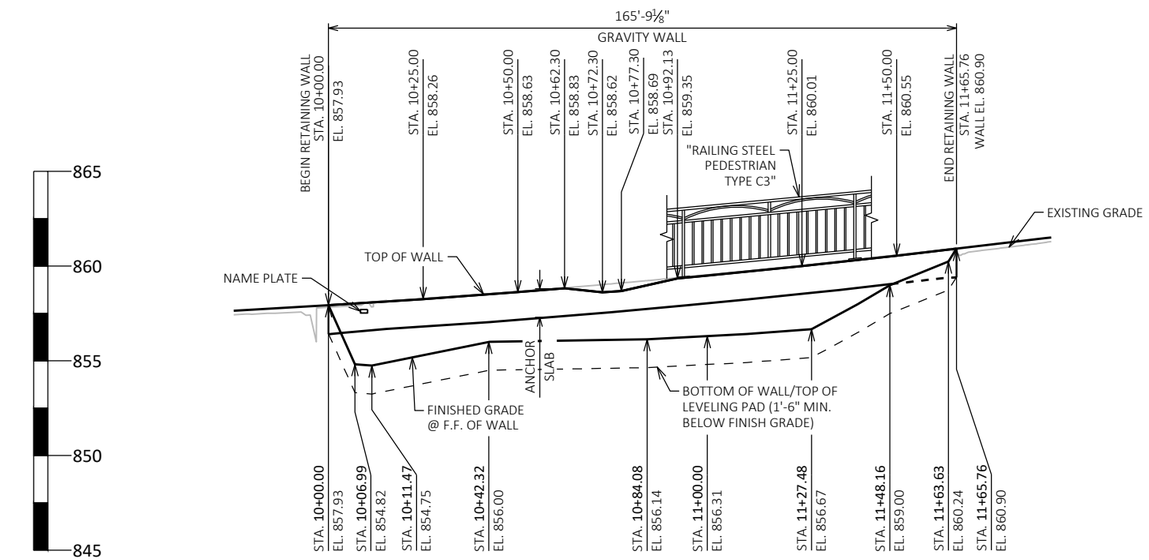
STATE PROJECT NUMBER

6145-01-72



PLAN

GRAVITY WALL WITH WET CAST BLOCK FACING



ELEVATION

LOOKING WEST

(DIMENSIONS AND STATIONS GIVEN ALONG R/L OF WALL)

DESIGN DATA

THE CONTRACTOR SHALL PROVIDE COMPLETE DESIGN, PLANS, DETAILS, SPECIFICATIONS, AND SHOP DRAWINGS FOR THE RETAINING WALLS IN ACCORDANCE WITH THE SPECIAL PROVISIONS. THE RETAINING WALL MANUFACTURER SHALL PROVIDE TECHNICAL ASSISTANCE TO THE CONTRACTOR DURING CONSTRUCTION. THE COST OF FURNISHING THESE ITEMS SHALL BE INCLUDED IN THE BID ITEM "WALL MODULAR BLOCK GRAVITY R-56-41".

PLANS, ELEVATIONS, AND DETAILS SHOWN ON THESE DRAWINGS ARE INTENDED TO INDICATE WALL LOCATIONS, LENGTHS, HEIGHTS, AND DETAILS COMMON TO THE WALL SYSTEM SELECTED. THE CONTRACTOR SHALL VERIFY THAT THE WALL SYSTEM SELECTED WILL CONFORM TO THE REQUIRED ALIGNMENTS AND DETAILS.

THE RETAINING WALL IS TO BE DESIGNED USING THE ELEVATIONS GIVEN ON THIS SHEET.

DESIGN RETAINING WALL FOR A LIVE LOAD SURCHARGE OF 240 PSF.

THE MAXIMUM VALUE OF THE ANGLE OF INTERNAL FRICTION OF THE WALL BACKFILL MATERIAL SHALL BE ASSUMED TO BE 30° WITHOUT CERTIFIED TEST VALUES.

MATERIAL PROPERTIES:

CONCRETE MASONRY:
ANCHOR SLAB — f'_c = 4,000 PSI

BAR STEEL REINFORCEMENT
GRADE 60 — f_y = 60,000 PSI

LIVE LOAD:

LIVE LOAD SURCHARGE: 240 PSF

ALLOWABLE WALL SYSTEMS

WALL MODULAR BLOCK GRAVITY

TRAFFIC DATA

USH 12

ADT = 21,900 (2045)
R.D.S. = 40 MPH

LIST OF DRAWINGS

1. GENERAL PLAN & ELEVATION
2. TYPICAL SECTION & GENERAL NOTES
3. SUBSURFACE EXPLORATION
4. ANCHOR SLAB & RAILING ELEVATION
5. PEDESTRIAN RAIL TYPE 'C3' DETAILS

WISCONSIN
WYATT ROZMENOSKI
47659
MILWAUKEE, WI
02/28/25
PROFESSIONAL ENGINEER

STRUCTURE DESIGN CONTACTS:

CONSULTANT CONTACT: WYATT ROZMENOSKI (414) 259-1500
BOS CONTACT: AARON BONK (608) 261-0261

NO.	DATE	REVISION	BY

GRÄEF
275 W. Wisconsin Avenue
Suite 300
Milwaukee, WI 53203
414 / 259 1500
414 / 259 0037 fax
www.graef-usa.com

STATE OF WISCONSIN DEPARTMENT OF TRANSPORATION

ACCEPTED EMK 06/09/25
CHIEF STRUCTURES DESIGN ENGINEER — DATE

STRUCTURE R-56-41

USH 12 (WISCONSIN DELLS PARKWAY)

COUNTY	VILLAGE
SAUK	LAKE DELTON

DESIGN SPEC.
AASHTO LRFD BRIDGE DESIGN SPECIFICATION

DESIGNED BY	DESIGNED CK'D	DRAWN BY	PLANS CK'D
CWG	WAR	CWG	KGW

GENERAL PLAN & ELEVATION

SHEET 1 OF 5
1026

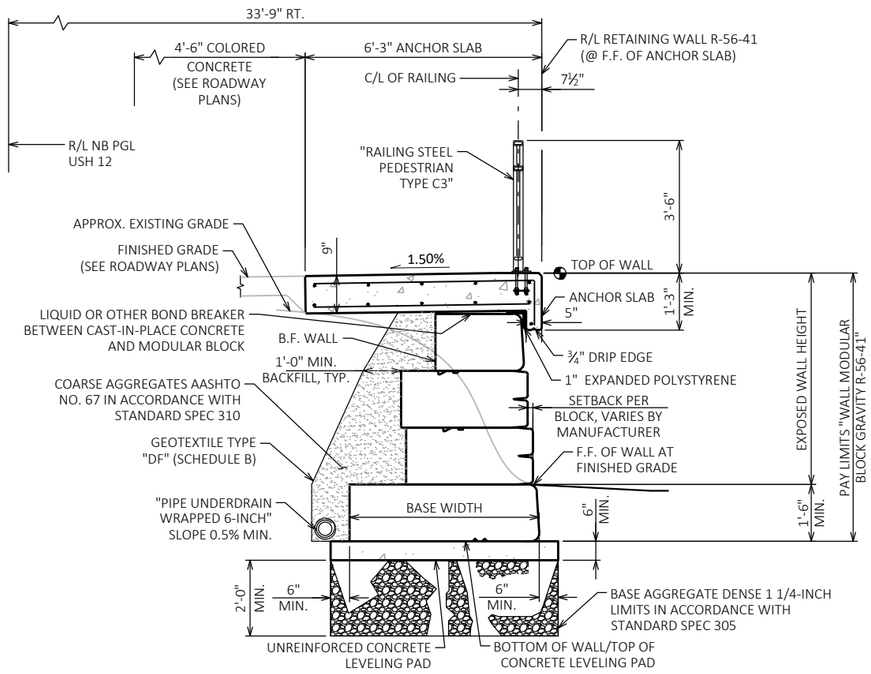
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I.D. 6145-01-02

DATE: 2023

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WALL TYPICAL SECTION

GRAVITY WALL WITH WET CAST BLOCK FACING

GEOMETRY TABLE

WALL STATION	ROADWAY STATION	OFFSET TO WALL R/L	TOP OF WALL EL.	FINISHED GRADE F.F. EL.
10+00.00	663+15.24	33.75' RT	857.93	857.93
10+06.99	663+22.23	33.75' RT	858.01	854.82
10+11.47	663+26.71	33.75' RT	858.08	854.75
10+25.00	663+40.24	33.75' RT	858.26	853.88
10+42.32	663+57.56	33.75' RT	858.54	856.00
10+50.00	663+65.24	33.75' RT	858.63	855.19
10+62.30	663+75.54	33.75' RT	858.83	856.07
10+72.30	663+85.54	33.75' RT	858.62	856.10
10+75.00	663+90.24	33.75' RT	858.66	855.27
10+77.30	663+92.54	33.75' RT	858.69	856.09
10+84.08	663+99.32	33.75' RT	858.99	856.14
10+92.13	664+07.37	33.75' RT	859.35	856.22
11+00.00	664+15.24	33.75' RT	859.50	856.31
11+25.00	664+40.24	33.75' RT	860.01	856.64
11+27.48	664+42.72	33.75' RT	860.06	856.67
11+48.16	664+63.40	33.75' RT	860.51	859.00
11+50.00	664+65.24	33.75' RT	860.55	858.44
11+63.63	664+78.87	33.75' RT	860.87	860.24
11+65.76	664+81.00	33.75' RT	860.90	860.90

WALL EXTERNAL & OVERALL STABILITY EVALUATION

DIMENSIONS	
WALL HEIGHT (FEET)	5.9
EXPOSED WALL HEIGHT (FEET)	4.4
BORING LOCATION USED	B-13
APPROXIMATE WALL STATION	10+40
BACK SLOPE ABOVE WALL	0°
CAPACITY TO DEMAND RATIO (CDR)	
SLIDING (CDR > 1.0)	1.6
ECCENTRICITY (CDR > 1.0)	15.1
OVERALL STABILITY (CDR > 1.0)	2.4
BEARING RESISTANCE (CDR > 1.0)[1.]	3.2
FACTORED BEARING RESISTANCE (PSF)[1.]	3,241

NOTES:
1. ASSUMING 5'-0" BOTTOM BLOCK WIDTH & 6'-0" LEVELING PAD WIDTH.

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

BEVEL EXPOSED EDGES OF CONCRETE ¾" UNLESS OTHERWISE NOTED.

BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2" CLEAR COVER UNLESS OTHERWISE SHOWN OR NOTED.

THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE.

THESE PLANS ARE FOR A MODULAR BLOCK GRAVITY RETAINING WALL.

COORDINATES ON THIS PLAN ARE REFERENCED TO THE WISCONSIN COORDINATE REFERENCE SYSTEM (WISCRS), SAUK COUNTY, NAD 83 (2007), ALL STATIONS AND ELEVATIONS ARE IN FEET. ELEVATIONS ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM NAVD 88 (2007).

DESIGN FOR RETAINING WALL TO PROVIDE FOR FINISHED GRADE SLOPED BEHIND WALL AS SHOWN ON THIS SHEET AND ROADWAY CROSS SECTIONS.

ALL STATIONS AND DIMENSIONS ARE ALONG THE WALL R/L, UNLESS SHOWN OTHERWISE.

PLANS, DIMENSIONS AND QUANTITIES ARE BASED ON AN ASSUMED MODULAR BLOCK DEPTH OF 18 INCHES.

PRECAST MODULAR BLOCK TEXTURE SHALL BE COORDINATED WITH AND SELECTED BY THE VILLAGE FROM MANUFACTURER'S OPTIONS.

THE COST OF FURNISHING AND PLACING THE UNREINFORCED CONCRETE LEVELING PAD UNDER THE GRAVITY RETAINING WALL IS INCLUDED IN THE BID ITEM "WALL MODULAR BLOCK GRAVITY R-56-41".

THE PLAN QUANTITY FOR THE ITEM "WALL MODULAR BLOCK GRAVITY R-56-41" IS BASED ON A WALL HEIGHT MEASURED FROM THE TOP OF WALL TO A CONSTANT DEPTH OF 1'-6" BELOW FINISHED GRADE.

THE UTILITY INFORMATION SHOWN ON THESE DRAWINGS CONCERNING TYPE AND LOCATION OF UNDERGROUND UTILITIES IS NOT GUARANTEED TO BE ACCURATE OR ALL-INCLUSIVE. THE CONTRACTOR IS RESPONSIBLE FOR MAKING THEIR OWN DETERMINATIONS AS TO TYPE AND LOCATION OF UNDERGROUND UTILITIES AS MAY BE NECESSARY TO AVOID DAMAGE. UTILITIES LABELED AS PROPOSED MAY BE INSTALLED BY OTHERS PRIOR TO THIS CONTRACT.

PROTECTIVE SURFACE TREATMENT TO BE APPLIED TO TOP OF ANCHOR SLAB.

ANTI-GRAFFITI COATING TO BE APPLIED TO F.F. OF WALL FROM TOP OF WALL TO 1'-0" MIN. BELOW FINISHED GRADE, INCLUDING DRIP EDGE.

EXCAVATE 2'-0" BELOW LEVELING PAD AND BACKFILL WITH BASE AGGREGATE DENSE 1 1/4-INCH. PROVIDING BASE AGGREGATE, EXCAVATION AND BACKFILLING SHALL BE INCIDENTAL TO BID ITEM "WALL MODULAR BLOCK GRAVITY R-56-41".

AT THE BACKFACE OF THE WALL ALL EXCAVATED VOLUME NOT OCCUPIED BY NEW STRUCTURE SHALL BE BACKFILLED WITH BACKFILL TYPE A OR GRANULAR BACKFILL GRADE 1 AS SHOWN IN THE TYPICAL SECTION. BACKFILLING SHALL BE INCIDENTAL TO BID ITEM "WALL MODULAR BLOCK GRAVITY R-56-41". LIMITS OF EXCAVATION SHALL BE DETERMINED BY THE CONTRACTOR.

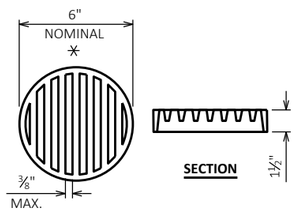
BENCH MARK

NO.	STATION	OFFSET	DESCRIPTION	EL.
BM9	658+02.45	46.68' LT	RR SPIKE IN EAST FACE OF PP#13-6-16.3 WEST SIDE OF WISCONSIN DELLS PARKWAY AT SOUTH ENTRANCE TO BUILDING #1425	860.27

TOTAL ESTIMATED QUANTITIES

BID ITEM NUMBER	BID ITEMS	UNIT	TOTALS
502.3200	PROTECTIVE SURFACE TREATMENT	SY	116
504.0500	CONCRETE MASONRY RETAINING WALLS	CY	30
505.0600	BAR STEEL REINFORCEMENT HS COATED STRUCTURES	LB	2,750
513.8016	RAILING STEEL PEDESTRIAN TYPE C3	LF	166
612.0406	PIPE UNDERDRAIN WRAPPED 6-INCH	LF	198
⁑⁑ SPV.0165.010	ANTI-GRAFFITI COATING	SF	668
SPV.0165.018	WALL MODULAR BLOCK GRAVITY R-56-41	SF	682
	NON-BID ITEMS		
	FILLER	SIZE	½"
	EXPANDED POLYSTYRENE	SIZE	1"
	NAME PLATE	EACH	1

ALL ITEMS ARE CATEGORY 0060, UNLESS NOTED OVERWISE
⁑⁑ ITEM INCLUDED IN CATEGORY 0040



RODENT SHIELD DETAIL

⁑ DIMENSIONS ARE APPROXIMATE. THE GRATE IS SIZED TO FIT INTO A PIPE COUPLING. ORIENT SO SLOTS ARE VERTICAL.

THE RODENT SHIELD, PIPE COUPLING AND SCREWS SHALL BE CONSIDERED INCIDENTAL TO THE BID ITEM "PIPE UNDERDRAING WRAPPED 6-INCH".

THE RODENT SHIELD SHALL BE A PVC GRATE SIMILAR TO THIS DETAIL. THE GRATE IS COMMERCIALLY AVAILABLE AS A FLOOR STRAINER. A PIPE COUPLING IS REQUIRED FOR THE ATTACHMENT OF THIS SHIELD TO THE EXPOSED END OF THE PIPE UNDERDRAIN. THE SHIELD SHALL BE FASTENED TO THE PIPE COUPLING WITH TWO OR MORE NO. 10 X 1-INCH STAINLESS STEEL SHEET METAL SCREWS.

SOIL PARAMETERS

SOIL DESCRIPTION	FRICTION ANGLE (DEGREES)	COHESION (PSF)	UNIT WEIGHT (PCF)
GRANULAR BACKFILL BEHIND THE WALL	30	--	120
DESIGN WALL VALUES			
⬟ EXISTING FILL/SAND SP DEPTH 0 FEET TO 6 FEET	28	--	115
⬟ SAND SP DEPTH 6 FEET TO 14 FEET	29	--	115
⬟ SAND SP DEPTH 14 FEET TO 17 FEET	30	--	55
BOR-13 - STA. 663+13.21 - 31.4' RT OF R/L NB PGL USH 12			
EXISTING FILL/SAND SP EL. 857.1 TO EL. 852.6	--	--	--
SILTY SAND SM EL. 852.6 TO 851.6	--	--	--
SAND SP EL. 851.6 TO EL. 842.1	--	--	--
BOR-14 - STA. 664+78.84 - 39.9' RT OF R/L NB PGL USH 12			
EXISTING FILL/SAND SP EL. 859.0 TO EL. 856.0	--	--	--
POORLY GRADED SAND EL. 856.0 TO EL. 845.0	--	--	--

⬟ DESIGN WALL FOR THESE VALUES

STATE PROJECT NUMBER
6145-01-72

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE R-56-41

DRAWN BY CWG | PLANS CK'D KGW

TYPICAL SECTION & GENERAL NOTES

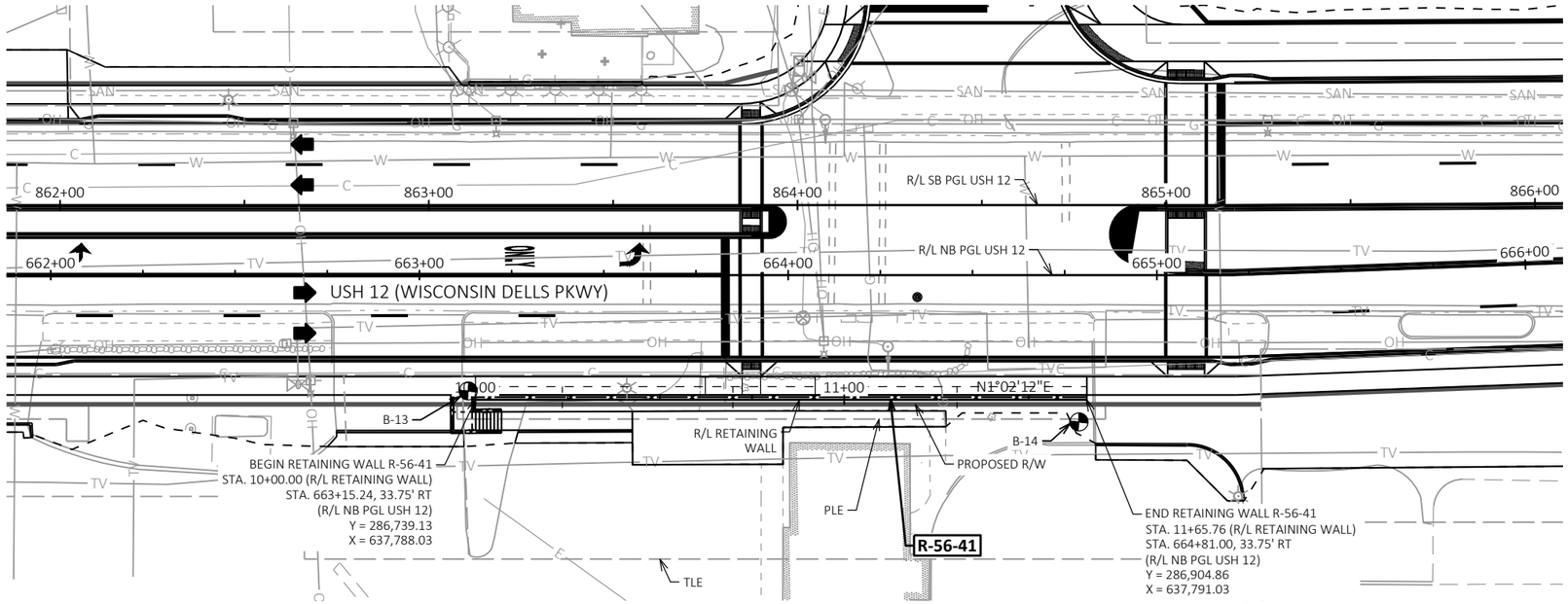
SHEET 2 OF 5
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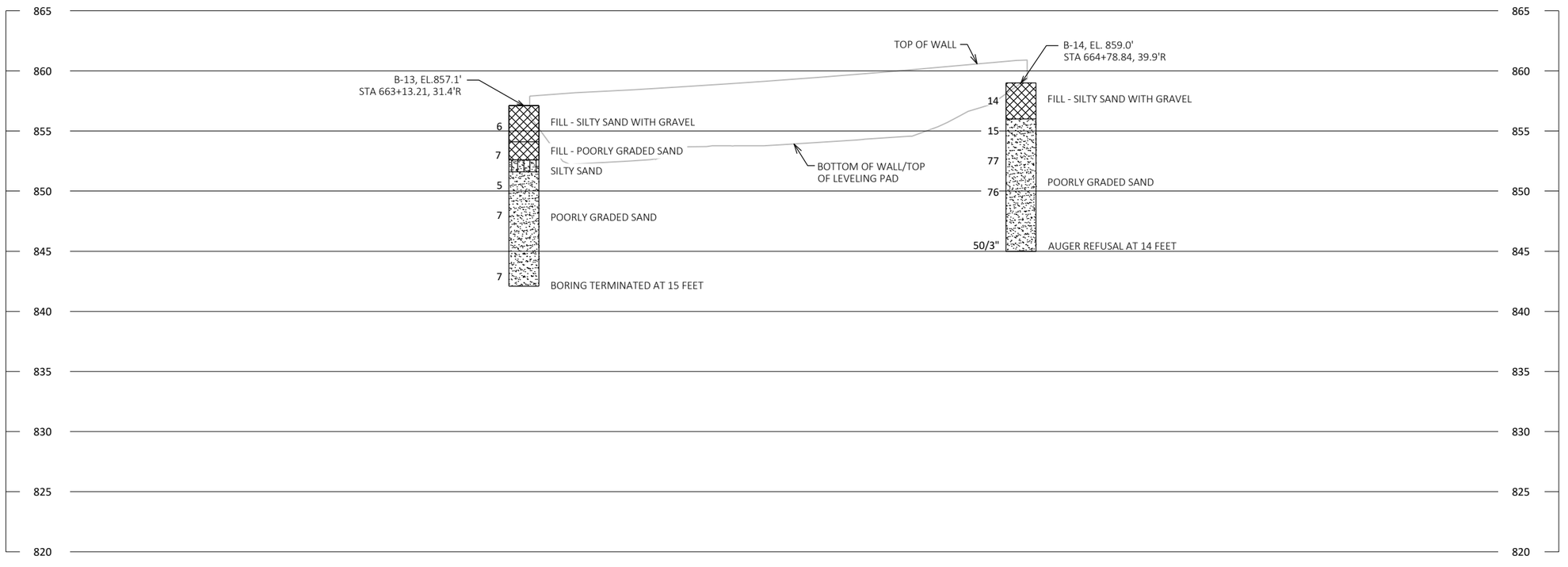
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BORING #	DATE COMPLETED	NORTHING (Y)	EASTING (X)
B-13	05-02-2023	286737.15	637785.68
B-14	05-02-2023	286902.60	637797.10
BORINGS COMPLETED BY: CS DRILLING, INC.			
REPORT COMPLETED BY: TERRACON			
ALL COORDINATES REFERENCED TO (WISCRS), SAUK COUNTY NAD 83 (2007), IN U.S. SURVEY FEET			



PLAN



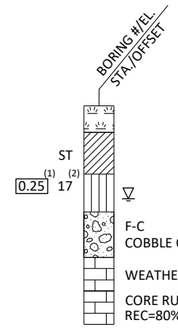
STATE PROJECT NUMBER

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NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE R-56-41

DRAWN BY CWG | PLANS CK'D KGW

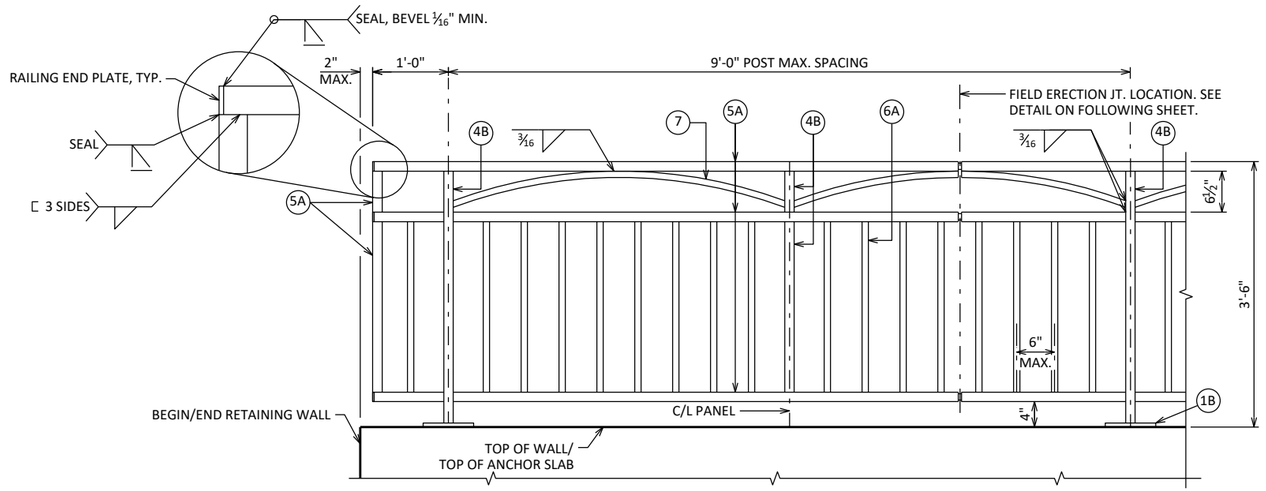
SUBSURFACE EXPLORATION

SHEET 3 OF 5
1028

SCALE =

STATE PROJECT NUMBER

6145-01-72



TYPE C3 PEDESTRIAN RAILING ELEVATION



R502

NOTES

ALL BAR STEEL SHALL BE EPOXY COATED.

LAP R403 A MINIMUM OF 1'-0".

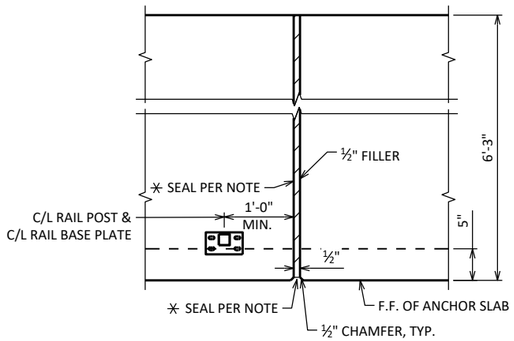
SEE SHEET 5 FOR MATERIAL PROPERTIES.

BILL OF BARS

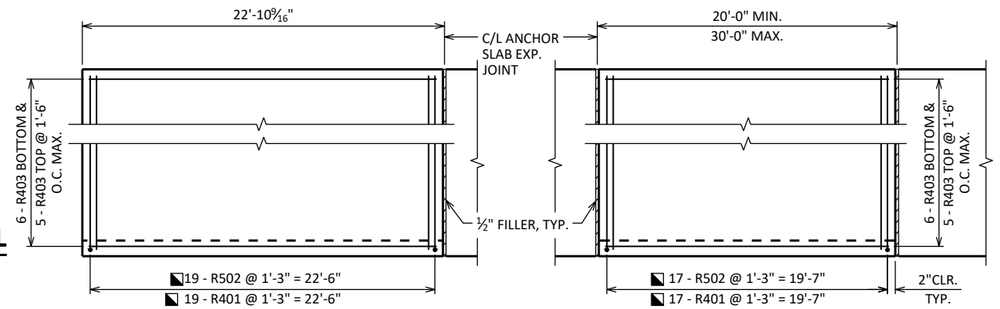
NOTE: THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE.

BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION
R401	X	140	5'-11"			TRAN. BOTTOM ANCHOR SLAB
R502	X	140	6'-11"	X		TRAN. TOP ANCHOR SLAB
R403	X	11	165'-5"			LONG. TOP & BOTTOM

R403 BAR LENGTH SHOWN FOR QUANTITY PURPOSES ONLY.
IF FIELD CUTTING IS REQUIRED, TOUCH UP CUT ENDS WITH AN EPOXY COATING



■ ANCHOR SLAB EXPANSION JOINT DETAIL

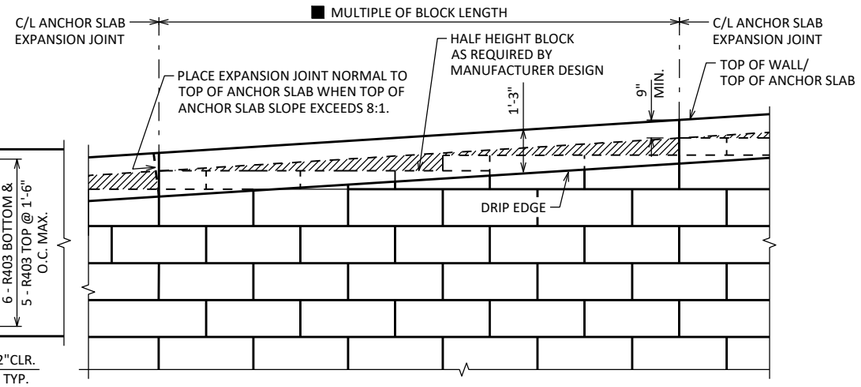


TYPICAL END PANEL

TYPICAL PANEL

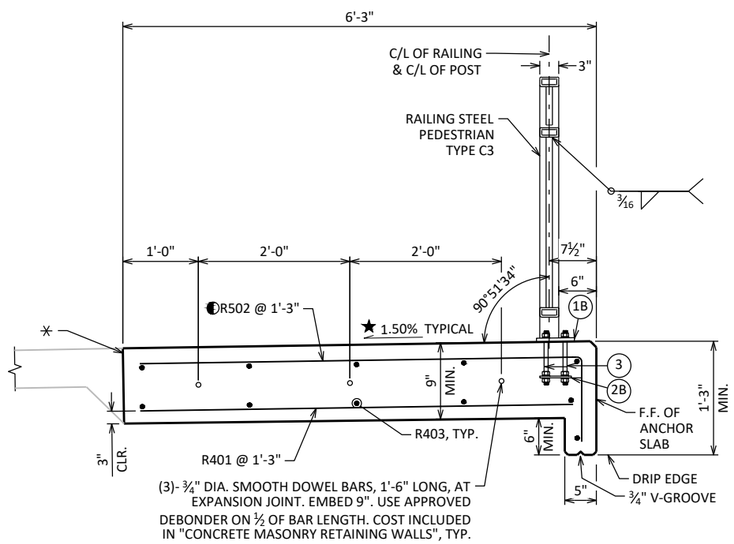
ANCHOR SLAB PLAN

PANEL LENGTH MEASURED ALONG R/L
RAILING NOT SHOWN FOR CLARITY



CAST-IN-PLACE ANCHOR SLAB PARTIAL ELEVATION

LOOKING AT F.F. OF WALL
RAILING NOT SHOWN FOR CLARITY



SECTION THRU ANCHOR ANCHOR SLAB

LEGEND

- ✳ SEAL ALL EXPOSED HORIZ. & VERT. SURFACES OF FILLER WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD ⅛" BELOW SURFACE OF CONC.)
- ■ ANCHOR SLAB EXPANSION JOINTS TO BE SPACED AT A MINIMUM OF 20' AND A MAXIMUM OF 30'. DO NOT RUN BAR STEEL THRU JOINT, EXCEPT FOR DOWEL BARS. JOINT TO EXTEND FULL DEPTH OF ANCHOR SLAB. ALL EXPANSION JOINTS MUST COINCIDE WITH A BLOCK JOINT ON THE FRONT FACE OF WALL.
- ◐ ADJUST REBAR VERTICAL LEG AS REQUIRED TO ACCOMMODATE WALL BLOCK GEOMETRY/STEPS TO MAINTAIN 2" CLEAR COVER.
- ◪ REBAR QUANTITIES/END PANEL LENGTH SHOWN USES A TYPICAL ANCHOR SLAB EXPANSION JOINT SPACING OF 20'-0".
- ▨ ANCHOR SLAB CONCRETE REQUIRED TO ACCOMMODATE WALL BLOCK GEOMETRY/STEPS SHALL BE INCIDENTAL TO BID ITEM "WALL MODULAR BLOCK GRAVITY R-56-41".
- ★ SLOPE VARIES AS REQUIRED FOR CURB RAMP NEAR WALL MID LENGTH. SEE ROADWAY PLANS FOR CURB RAMP DETAIL.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE R-56-41

DRAWN BY WAR | PLANS CK'D KGW

ANCHOR SLAB & RAILING ELEVATION

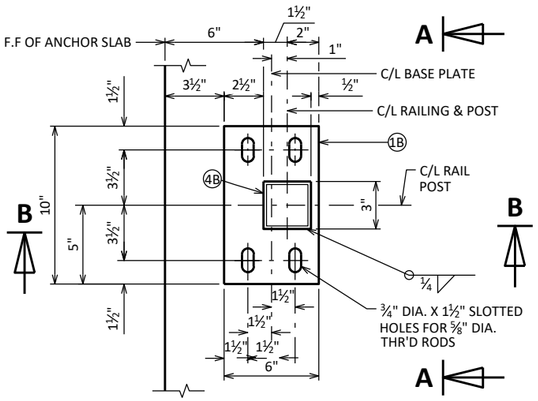
SHEET 4 OF 5
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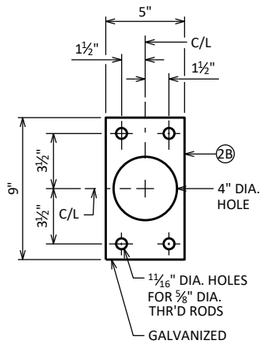
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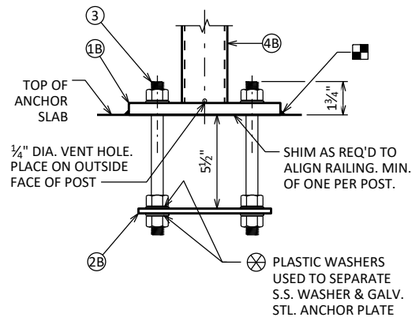
6145-01-72



TYPICAL RAIL POST BASE PLATE

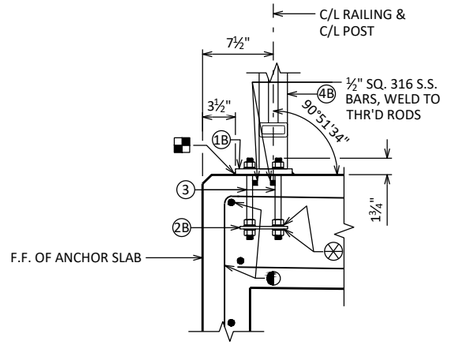


ANCHOR PLATE



SECTION A-A

NOTE: ANCHOR PLATE NOT REQUIRED WHEN ADHESIVE ANCHORS ARE USED.



SECTION B-B

NOTE: ANCHOR PLATE NOT REQUIRED WHEN ADHESIVE ANCHORS ARE USED.

◐ WHEN ADHESIVE ANCHORS ARE USED, FIELD BEND AND/OR DISPLACE TO AVOID HITTING LONGITUDINAL BAR WHEN DRILLING FOR ADHESIVE ANCHORS.

LEGEND

(1B) PLATE ⅝" X 6" X 10" WITH ¾" X 1½" SLOTTED HOLES.

(2B) ¼" X 5" X 9" ANCHOR PLATE WITH 11/16" DIA. HOLES FOR THR'D RODS NO. 3.

(3) ⅝" DIA. X 9" LONG, TYPE 316 STAINLESS STEEL THREADED RODS (MIN. TENSILE STRENGTH = 70 KSI) WITH NUT AND WASHERS OF SAME ALLOY GROUP. ALTERNATIVE ANCHORAGE: CONCRETE ADHESIVE ANCHORS ⅝-INCH. EMBED 7" IN CONCRETE FOR RAIL POSTS. ADHESIVE ANCHORS SHALL CONFORM TO SECTIONS 502.2.12 OF THE STANDARD SPECIFICATIONS.

(4B) STRUCTURAL TUBING 3" X 3" X 3/16". PLACE VERTICAL. WELD TO NO. 1 & 5.

(5A) STRUCTURAL TUBING 3" X 1½" X 3/16" RAILS. WELD TO NO. 1 & NO. 4. INSIDE OF TUBE TO BE PAINTED AT ALL FIELD ERECTION & EXPANSION JOINTS.

(6A) BAR 1" X 1" PICKETS. WELD TO NO. 5. (SPACE AT 6" MAX. C/L TO C/L SPACING). PLACE VERTICAL.

(7) BAR 1" X 1". BEND TO REQUIRED RADIUS. WELD TO NO. 4 & 5.

(9A) RECTANGULAR SLEEVE FABRICATED FROM 3/16" PLATES. PROVIDE "SLIDING FIT".

(10A) RECTANGULAR SLEEVE FABRICATED FROM 3/16" PLATES. (1'-4" @ FIELD ERECTION JTS.)

RAILING NOTES

BID ITEM SHALL BE "RAILING STEEL PEDESTRIAN TYPE C3", WHICH SHALL INCLUDE ALL STEEL ITEMS & PLASTIC WASHERS SHOWN.

POST BASE PLATES SHALL BE FLAT WITH ALL SURFACES SMOOTH AND FREE FROM WARP AND ALL EDGES SMOOTH, STRAIGHT, AND VERTICAL. ALL PLATE CUTS SHALL BE MACHINE OR MACHINE FLAME CUT.

ALL PLATES, BARS, AND RECTANGULAR SLEEVES SHALL CONFORM TO ASTM A709 GRADE 36. ALL STRUCTURAL TUBING SHALL CONFORM TO ASTM A500 GRADE B.

ANCHORAGES SHALL BE ACCURATELY PLACED TO PROVIDE CORRECT ALIGNMENT OF RAILING. SET NORMAL TO GRADE.

CUT BOTTOM OF POST TO MAKE POST VERTICAL IN BOTH TRANSVERSE AND LONGITUDINAL DIRECTION.

STEEL SHIMS SHALL BE PROVIDED & USED UNDER BASE PLATES WHERE REQUIRED FOR ALIGNMENT, AND SHALL BE GALVANIZED.

■ CAULK AROUND PERIMETER OF BASE PLATES, NO. 1, AND FILL BOLT SLOT OPENINGS IN SHIMS AND BASE PLATES WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER.

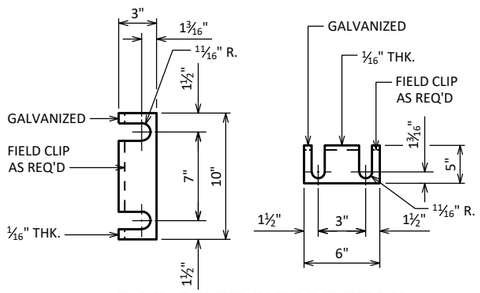
ALL JOINTS AND RECESSES IN CONCRETE ANCHOR SLAB ARE TO BE VERTICAL.

ALL MATERIAL (EXCEPT NO. 3) SHALL BE GALVANIZED AFTER FABRICATION. PRIOR TO GALVANIZING, THE STEEL RAILING SHALL BE GIVEN A NO. 6 BLAST CLEANING PER SSPC SPECIFICATIONS. PAINT OVER GALVANIZING WITH AN APPROVED TIE COAT AND TOP COAT AS SPECIFIED IN THE CONTRACT DOCUMENTS. THE RAILING SHALL BE PAINTED AMS STD. COLOR NO. 27038 (BLACK).

VENT HOLES SHALL BE DRILLED IN POST AND RAIL MEMBERS AS REQUIRED TO FACILITATE GALVANIZING AND DRAINAGE.

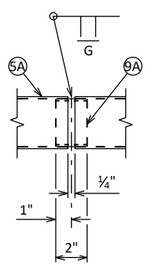
RAILING SHALL BE FABRICATED IN LENGTHS THAT INCLUDE 3 OR 4 POSTS.

TOUCH-UP PAINTING TO BE DONE AT COMPLETION OF STEEL RAILING INSTALLATION TO THE SATISFACTION OF THE ENGINEER AT NO EXTRA COST.



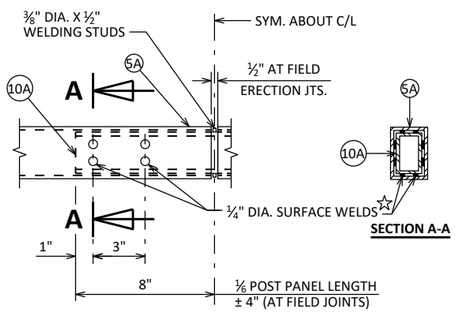
RAIL POST SHIM DETAIL

(2 SETS PER POST)



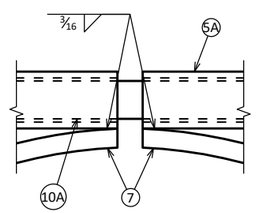
SHOP RAIL SPLICE DETAIL

(LOCATION MUST BE SHOWN ON SHOP DRAWINGS)



FIELD ERECTION JOINT DETAIL

☆ MIN. ⅝" FLAT SURFACE DIA. PUNCHINGS OR STUDS MAY BE USED AS AN ALTERNATE.



CURVED MEMBER JOINT DETAIL

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE R-56-41

DRAWN BY WAR | PLANS CK'D KGW

PEDESTRIAN RAIL TYPE 'C3' DETAILS

SHEET 5 OF 5

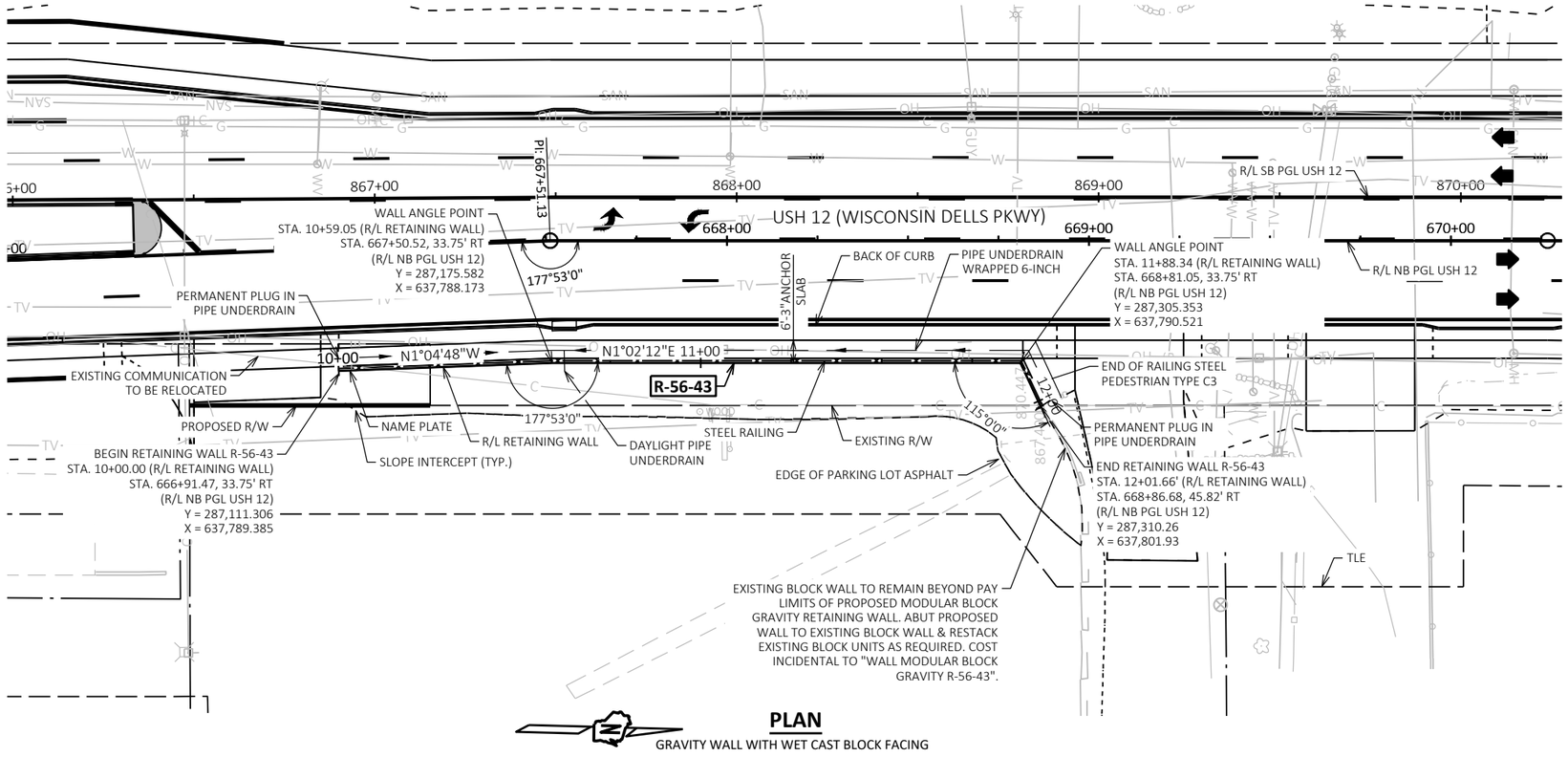
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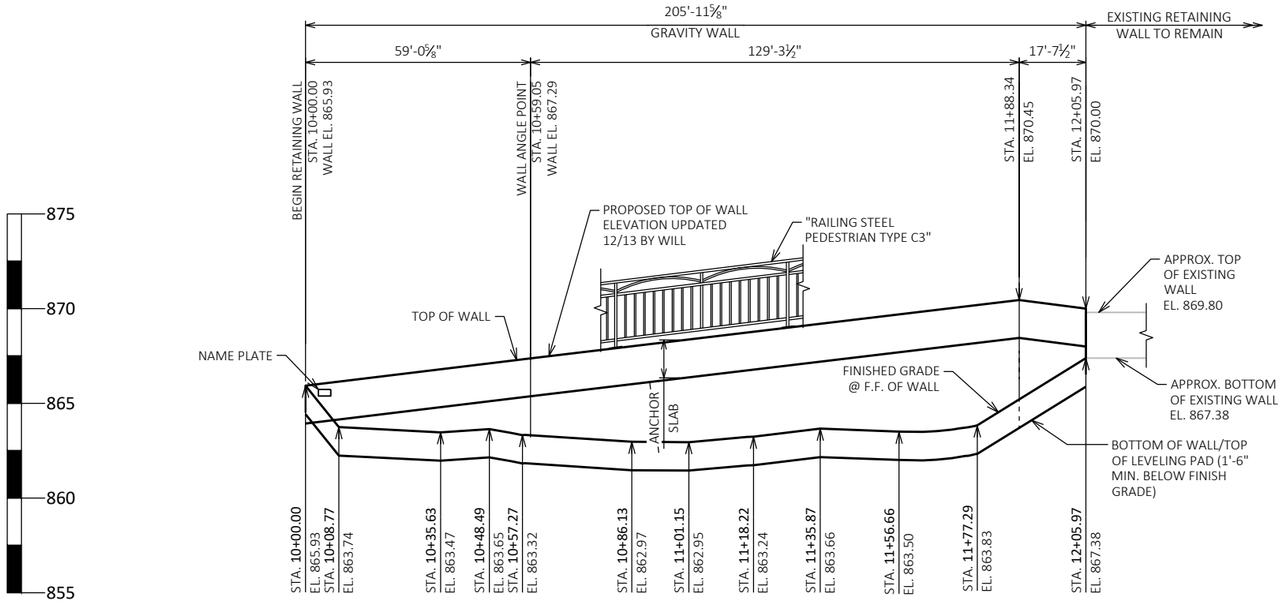
STATE PROJECT NUMBER

6145-01-72



PLAN

GRAVITY WALL WITH WET CAST BLOCK FACING



ELEVATION

LOOKING WEST

(DIMENSIONS AND STATIONS GIVEN ALONG R/L OF WALL)

DESIGN DATA

THE CONTRACTOR SHALL PROVIDE COMPLETE DESIGN, PLANS, DETAILS, SPECIFICATIONS, AND SHOP DRAWINGS FOR THE RETAINING WALLS IN ACCORDANCE WITH THE SPECIAL PROVISIONS. THE RETAINING WALL MANUFACTURER SHALL PROVIDE TECHNICAL ASSISTANCE TO THE CONTRACTOR DURING CONSTRUCTION. THE COST OF FURNISHING THESE ITEMS SHALL BE INCLUDED IN THE BID ITEM "WALL MODULAR BLOCK GRAVITY R-56-43".

PLANS, ELEVATIONS, AND DETAILS SHOWN ON THESE DRAWINGS ARE INTENDED TO INDICATE WALL LOCATIONS, LENGTHS, HEIGHTS, AND DETAILS COMMON TO THE WALL SYSTEM SELECTED. THE CONTRACTOR SHALL VERIFY THAT THE WALL SYSTEM SELECTED WILL CONFORM TO THE REQUIRED ALIGNMENTS AND DETAILS.

THE RETAINING WALL IS TO BE DESIGNED USING THE ELEVATIONS GIVEN ON THIS SHEET.

DESIGN RETAINING WALL FOR A LIVE LOAD SURCHARGE OF 240 PSF.

THE MAXIMUM VALUE OF THE ANGLE OF INTERNAL FRICTION OF THE WALL BACKFILL MATERIAL SHALL BE ASSUMED TO BE 30° WITHOUT CERTIFIED TEST VALUES.

MATERIAL PROPERTIES:

CONCRETE MASONRY:
ANCHOR SLAB — f'_c = 4,000 PSI

BAR STEEL REINFORCEMENT
GRADE 60 — f_y = 60,000 PSI

LIVE LOAD:

LIVE LOAD SURCHARGE: 240 PSF

ALLOWABLE WALL SYSTEMS

WALL MODULAR BLOCK GRAVITY

TRAFFIC DATA

USH 12
ADT = 21,900 (2045)
R.D.S. = 40 MPH

LIST OF DRAWINGS

1. GENERAL PLAN & ELEVATION
2. TYPICAL SECTION & GENERAL NOTES
3. SUBSURFACE EXPLORATION
4. ANCHOR SLAB & RAILING ELEVATION
5. PEDESTRIAN RAIL TYPE 'C3' DETAILS

WISCONSIN
WYATT ROZMENOSKI
47659
MILWAUKEE, WI
PROFESSIONAL ENGINEER

Wyatt A. Rozmenoski 5/30/2025

STRUCTURE DESIGN CONTACTS:

CONSULTANT CONTACT: WYATT ROZMENOSKI (414) 259-1500
BOS CONTACT: AARON BONK (608) 261-0261

NO.	DATE	REVISION	BY

GRÄEF
275 W. Wisconsin Avenue
Suite 300
Milwaukee, WI 53203
414 / 259 1500
414 / 259 0037 fax
www.graef-usa.com

STATE OF WISCONSIN DEPARTMENT OF TRANSPORATION

ACCEPTED EMK 06/09/25
CHIEF STRUCTURES DESIGN ENGINEER — DATE

STRUCTURE R-56-43

USH 12 (WISCONSIN DELLS PARKWAY)

COUNTY	VILLAGE
SAUK	LAKE DELTON

DESIGN SPEC.
AASHTO LRFD BRIDGE DESIGN SPECIFICATION

DESIGNED BY	DESIGNED CK'D	DRAWN BY	PLANS CK'D
CWG	WAR	CWG	KGW

GENERAL PLAN & ELEVATION

SHEET 1 OF 5
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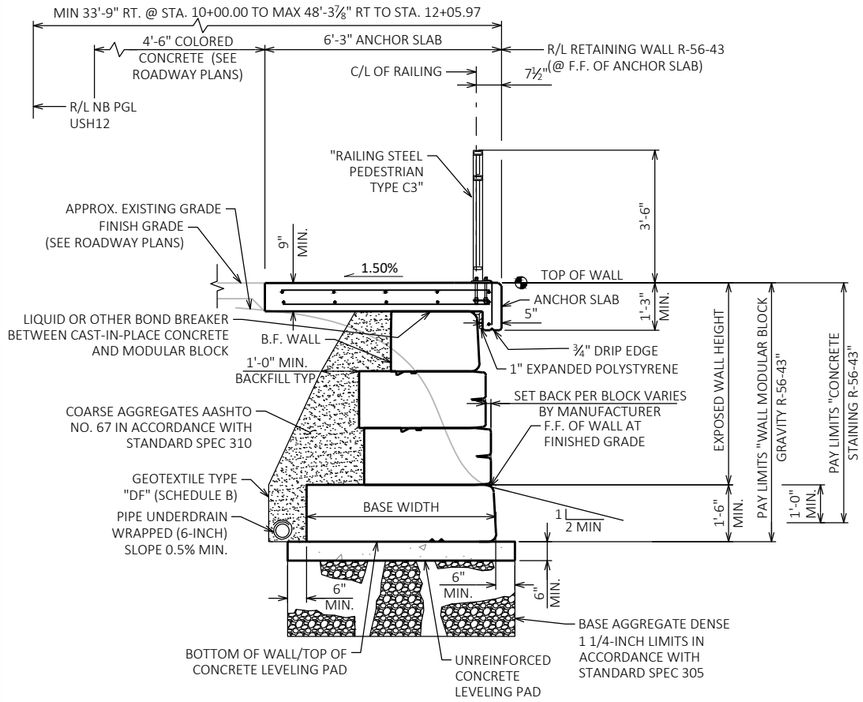
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I.D. 6145-01-02

DATE: 2025

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WALL TYPICAL SECTION

GRAVITY WALL WITH WET CAST BLOCK FACING

WALL EXTERNAL & OVERALL STABILITY EVALUATION

DIMENSIONS	
WALL HEIGHT (FEET)	8.1
EXPOSED WALL HEIGHT (FEET)	6.6
BORING LOCATION USED	B-19
APPROXIMATE WALL STATION	11+75
BACK SLOPE ABOVE WALL	0°
CAPACITY TO DEMAND RATIO (CDR)	
SLIDING (CDR > 1.0)	1.4
ECCENTRICITY (CDR > 1.0)	5.3
OVERALL STABILITY (CDR > 1.0)	1.5
BEARING RESISTANCE (CDR > 1.0)[1.]	3.2
FACTORED BEARING RESISTANCE (PSF)[1.]	4,421

NOTES:
1. ASSUMING 5'-0" BOTTOM BLOCK WIDTH & 6'-0" LEVELING PAD WIDTH.

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

BEVEL EXPOSED EDGES OF CONCRETE ¾" UNLESS OTHERWISE NOTED.

BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2" CLEAR COVER UNLESS OTHERWISE SHOWN OR NOTED.

THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE.

THESE PLANS ARE FOR A MODULAR BLOCK GRAVITY RETAINING WALL.

COORDINATES ON THIS PLAN ARE REFERENCED TO THE WISCONSIN COORDINATE REFERENCE SYSTEM (WISCRS), SAUK COUNTY, NAD 83 (2007), ALL STATIONS AND ELEVATIONS ARE IN FEET. ELEVATIONS ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM NAVD 88 (2007).

DESIGN FOR RETAINING WALL TO PROVIDE FOR FINISHED GRADE SLOPED BEHIND WALL AS SHOWN ON THIS SHEET AND ROADWAY CROSS SECTIONS.

ALL STATIONS AND DIMENSIONS ARE ALONG THE WALL R/L, UNLESS SHOWN OTHERWISE.

PLANS, DIMENSIONS AND QUANTITIES ARE BASED ON AN ASSUMED MODULAR BLOCK DEPTH OF 18 INCHES.

PRECAST MODULAR BLOCK TEXTURE SHALL BE COORDINATED WITH AND SELECTED BY THE VILLAGE FROM MANUFACTURER'S OPTIONS. TEXTURE OF NEW BLOCKS TO BE SIMILAR TEXTURE OF EXISTING BLOCKS.

CONCRETE STAINING COLOR SHALL BE COORDINATED WITH AND SELECTED BY THE VILLAGE. STAINING TO BE APPLIED TO F.F OF WALL TO 1'-0" MIN. BELOW FINISHED GRADE.

THE COST OF FURNISHING AND PLACING THE UNREINFORCED CONCRETE LEVELING PAD UNDER THE GRAVITY RETAINING WALL IS INCLUDED IN THE BID ITEM "WALL MODULAR BLOCK GRAVITY R-56-43".

THE PLAN QUANTITY FOR THE ITEM "WALL MODULAR BLOCK GRAVITY R-56-43" IS BASED ON A WALL HEIGHT MEASURED FROM THE TOP OF WALL TO A CONSTANT DEPTH OF 1'-6" BELOW FINISHED GRADE.

THE UTILITY INFORMATION SHOWN ON THESE DRAWINGS CONCERNING TYPE AND LOCATION OF UNDERGROUND UTILITIES IS NOT GUARANTEED TO BE ACCURATE OR ALL-INCLUSIVE. THE CONTRACTOR IS RESPONSIBLE FOR MAKING THEIR OWN DETERMINATIONS AS TO TYPE AND LOCATION OF UNDERGROUND UTILITIES AS MAY BE NECESSARY TO AVOID DAMAGE. UTILITIES LABELED AS PROPOSED MAY BE INSTALLED BY OTHERS PRIOR TO THIS CONTRACT.

PROTECTIVE SURFACE TREATMENT TO BE APPLIED TO TOP OF ANCHOR SLAB.

ANTI-GRAFFITI COATING TO BE APPLIED TO F.F. OF WALL FROM TOP OF WALL TO 1'-0" MIN. BELOW FINISHED GRADE, INCLUDING DRIP EDGE.

EXCAVATE 2'-0" BELOW LEVELING PAD AND BACKFILL WITH BASE AGGREGATE DENSE 1 1/4-INCH. PROVIDING BASE AGGREGATE, EXCAVATION AND BACKFILLING SHALL BE INCIDENTAL TO BID ITEM "WALL MODULAR BLOCK GRAVITY R-56-43".

AT THE BACKFACE OF THE WALL ALL EXCAVATED VOLUME NOT OCCUPIED BY NEW STRUCTURE OR LIGHTWEIGHT FOAMED CONCRETE FILL SHALL BE BACKFILLED WITH BACKFILL TYPE A OR GRANULAR BACKFILL GRADE 1 AS SHOWN IN THE TYPICAL SECTION. BACKFILLING SHALL BE INCIDENTAL TO BID ITEM "WALL MODULAR BLOCK GRAVITY R-56-43". LIMITS OF EXCAVATION SHALL BE DETERMINED BY THE CONTRACTOR.

GEOMETRY TABLE

WALL STATION	ROADWAY STATION	OFFSET TO WALL R/L	TOP OF WALL EL.	FINISHED GRADE F.F. EL.
10+00.00	666+91.47	33.75' RT	865.93	865.93
10+08.77	667+00.24	33.75' RT	866.15	863.74
10+35.63	667+62.17	33.75' RT	866.80	863.47
10+48.49	667+75.19	33.75' RT	867.12	863.65
10+57.27	667+48.74	33.75' RT	867.34	863.32
10+59.05	667+50.52	33.75' RT	867.29	863.31
10+86.13	667+77.60	33.75' RT	868.02	862.97
11+01.15	667+92.62	33.75' RT	868.38	862.95
11+18.22	668+09.69	33.75' RT	868.79	863.24
11+35.87	668+27.34	33.75' RT	869.20	863.66
11+56.66	668+48.13	33.75' RT	869.70	863.50
11+77.29	668+66.47	33.75' RT	870.07	863.83
11+88.34	668+81.05	33.75' RT	870.45	865.00
12+05.97	668+90.99	48.32' RT	870.00	867.38

SOIL PARAMETERS

SOIL DESCRIPTION	FRICTION ANGLE (DEGREES)	COHESION (PSF)	UNIT WEIGHT (PCF)
GRANULAR BACKFILL BEHIND THE WALL	30	--	120
DESIGN WALL VALUES			
⬟ EXISTING FILL/SAND SP DEPTH 0 FEET TO 5.5 FEET	28	--	115
⬟ SILTY SAND SM DEPTH 5.5 FEET TO 17 FEET	29	--	115
⬟ SAND SP DEPTH 17 FEET TO 24 FEET	34	--	125
⬟ SAND SP DEPTH 24 FEET TO 25 FEET	34	--	65
BOR-18 - STA. 666+93.34 - 9.4' RT OF R/L NB PGL USH 12			
ASPHALT EL. 865.7 TO EL. 864.9	--	--	--
EXISTING FILL/POORLY GRADED SAND SP EL. 864.9 TO 862.7	--	--	--
POORLY GRADED SAND EL. 862.7 TO 850.7	--	--	--
BOR-19 - STA. 668+91.19 - 13' RT OF R/L NB PGL USH 12			
ASPHALT/CONCRETE EL. 870.1 TO EL. 869.3	--	--	--
EXISTING FILL/POORLY GRADED SAND EL. 869.3 TO EL. 864.6	--	--	--
POORLY GRADED SAND EL. 864.6 TO EL. 858.1			
SILTY SAND SM EL. 858.1 TO EL. 853.1	--	--	--
POORLY GRADED SAND EL. 853.1 TO EL. 845.1	--	--	--

⬟ DESIGN WALL FOR THESE VALUES

TOTAL ESTIMATED QUANTITIES

	BID ITEM NUMBER	BID ITEMS	UNIT	TOTALS
	502.3200	PROTECTIVE SURFACE TREATMENT	SY	143
	504.0500	CONCRETE MASONRY RETAINING WALLS	CY	37
	505.0600	BAR STEEL REINFORCEMENT HS COATED STRUCTURES	LB	3,450
	513.8016	RAILING STEEL PEDESTRIAN TYPE C3	LF	206
	517.1010.S	CONCRETE STAINING R-56-43	SF	1,128
	612.0406	PIPE UNDERDRAIN WRAPPED 6-INCH	LF	246
⁂	SPV.0165.010	ANTI-GRAFFITI COATING	SF	1,214
	SPV.0165.019	WALL MODULAR BLOCK GRAVITY R-56-43	SF	1,231
		NON-BID ITEMS		
		FILLER	SIZE	½"
		EXPANDED POLYSTYRENE	SIZE	1"
		NAME PLATE	EACH	1

ALL ITEMS ARE CATEGORY 0070, UNLESS NOTED OTHERWISE
⁂ ITEM INCLUDED IN CATEGORY 0040

BENCH MARK

NO.	STATION	OFFSET	DESCRIPTION	EL.
BM10	670+81.82	32.72' LT	GEAR SPIKE IN EAST FACE OF PP#13-6-16.1 WEST SIDE OF WISCONSIN DELLS PARKWAY ACROSS FROM BUILDING #1570	876.27

STATE PROJECT NUMBER

6145-01-72

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE R-56-43

DRAWN BY CWG | PLANS CK'D KGW

TYPICAL SECTION & GENERAL NOTES

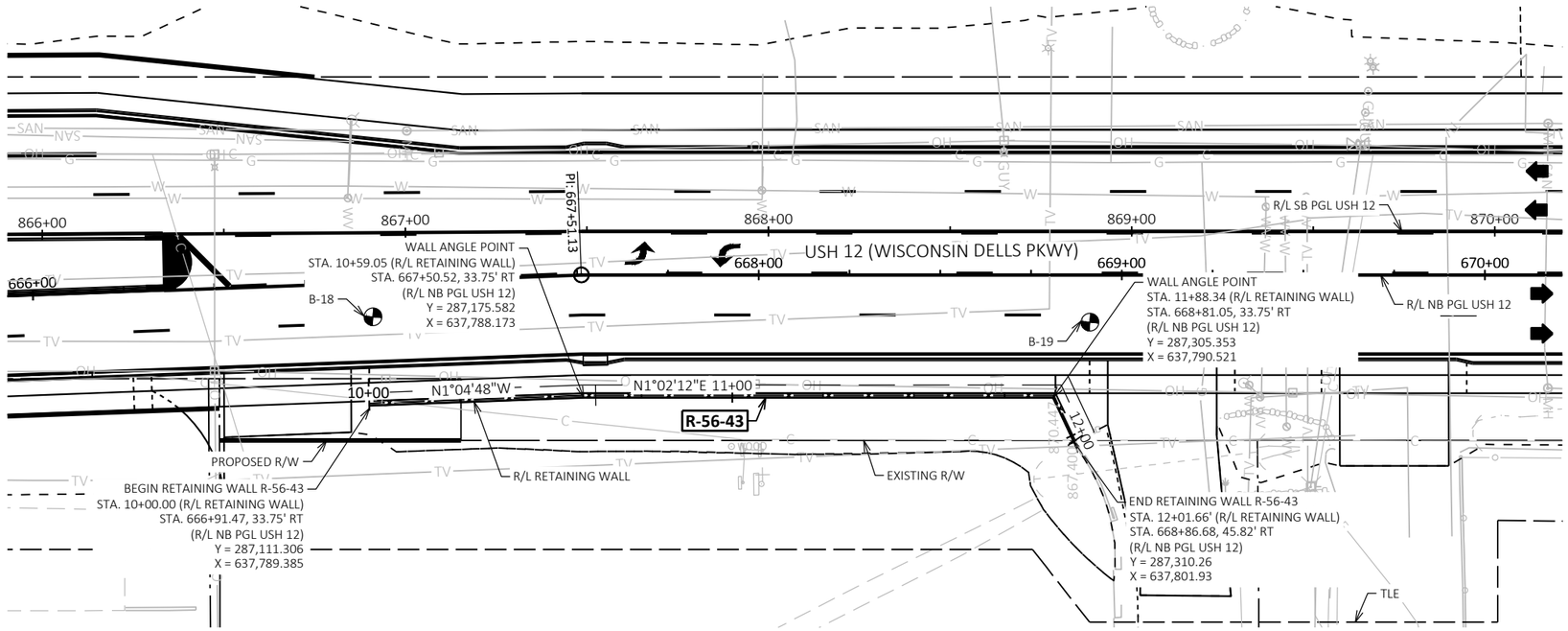
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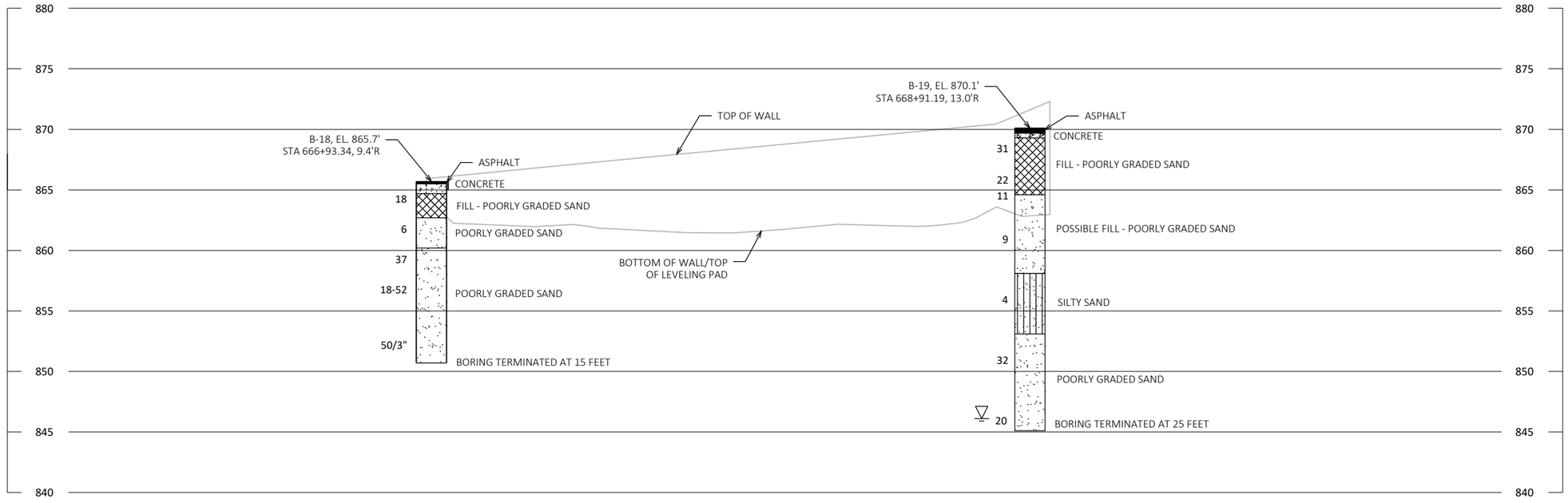
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BORING #	DATE COMPLETED	NORTHING (Y)	EASTING (X)
B-18	05-04-2023	287117.96	637764.15
B-19	05-04-2023	287315.37	637769.19
BORINGS COMPLETED BY: CS DRILLING, INC.			
REPORT COMPLETED BY: TERRACON			
ALL COORDINATES REFERENCED TO (WISCRS), SAUK COUNTY NAD 83 (2007), IN U.S. SURVEY FEET			



PLAN



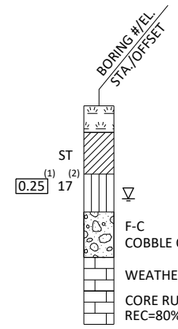
STATE PROJECT NUMBER

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MATERIAL SYMBOLS

ASPHALT, TOPSOIL, PEAT, CONCRETE, FILL, GRAVEL, SAND, CLAY, SILT, BOULDERS OR COBBLES, LIMESTONE, BEDROCK (UNKNOWN), SHALE, SANDSTONE, IGNEOUS/ META

LEGEND OF BORING



(1) UNCONFINED STRENGTH, AS DETERMINED BY A POCKET PENETROMETER (TSF)

(2) UNLESS OTHERWISE, SPECIFIED THE SPT 'N' VALUE IS BASED ON AASHTO T-206, STANDARD PENETRATION TEST. THE SPT 'N' VALUE PRESENTED HAS NOT BEEN CORRECTED FOR OVERBURDEN PRESSURE OR HAMMER EFFICIENCY.

GROUND WATER ELEVATION

AT TIME OF DRILLING
END OF DRILLING
AFTER DRILLING

ABBREVIATIONS

F-FINE M-MEDIUM C-COARSE ST-SHELBY TUBE

SUBSURFACE EXPLORATION FOR FOUNDATION DESIGN AND BIDDERS INFORMATION

BORINGS WERE COMPLETED AT POINTS APPROXIMATELY AS INDICATED ON THIS DRAWING TO OBTAIN INFORMATION CONCERNING THE CHARACTER OF SUBSURFACE MATERIALS FOUND AT THE SITE. BECAUSE THE INVESTIGATED DEPTHS ARE LIMITED AND THE AREA OF THE BORINGS IS VERY SMALL IN RELATION TO THE ENTIRE SITE, THE WISCONSIN DEPARTMENT OF TRANSPORTATION DOES NOT WARRANT SIMILAR SUBSURFACE CONDITIONS BELOW, BETWEEN, OR BEYOND THESE BORINGS. VARIATIONS IN SOIL CONDITIONS SHOULD BE EXPECTED AND FLUCTUATIONS IN GROUNDWATER LEVELS MAY OCCUR.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE R-56-43

DRAWN BY CWG | PLANS CK'D KGW

SUBSURFACE EXPLORATION

SHEET 3 OF 5
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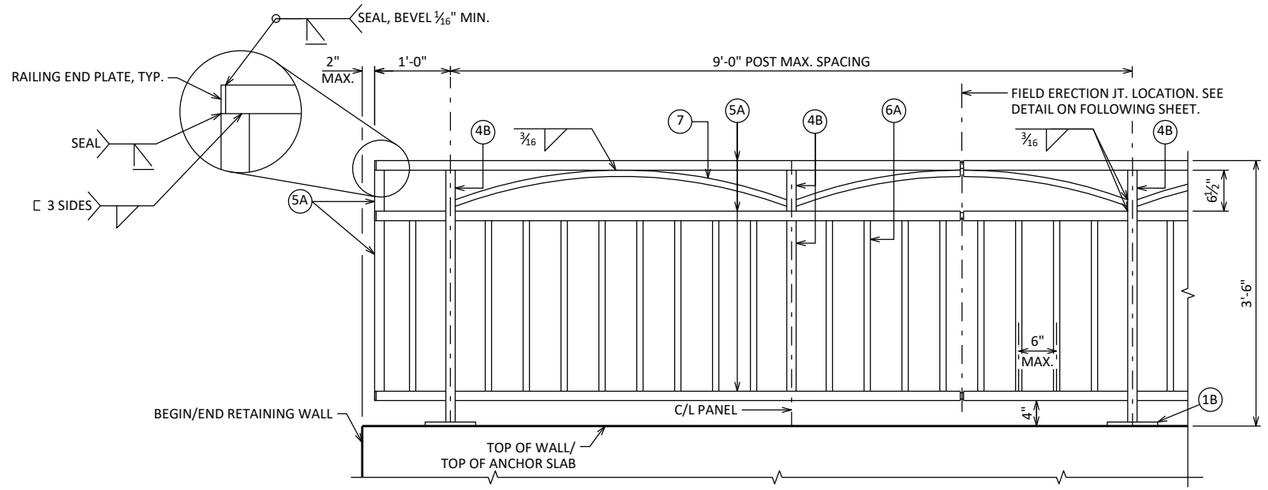
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STATE PROJECT NUMBER

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TYPE C3 PEDESTRIAN RAILING ELEVATION



R502

NOTES

ALL BAR STEEL SHALL BE EPOXY COATED.

LAP R403 A MINIMUM OF 1'-0".

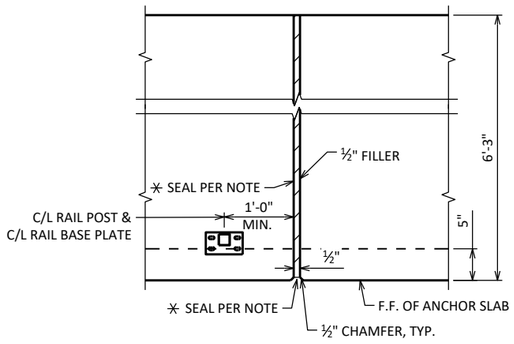
SEE SHEET 5 FOR MATERIAL PROPERTIES.

BILL OF BARS

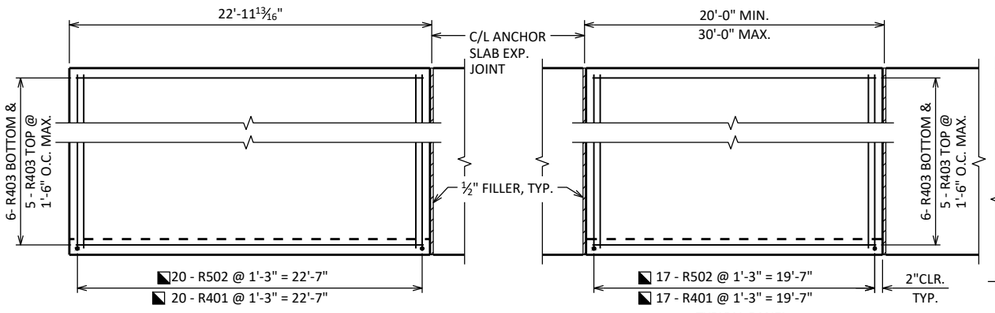
NOTE: THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE.

BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION
R401	X	176	5'-11"			TRAN. BOTTOM ANCHOR SLAB
R502	X	176	6'-9"	X		TRAN. TOP ANCHOR SLAB
R403	X	11	205'-7"			LONG. TOP & BOTTOM

R403 BAR LENGTH SHOWN FOR QUANTITY PURPOSES ONLY.
IF FIELD CUTTING IS REQUIRED, TOUCH UP CUT ENDS WITH AN EPOXY COATING

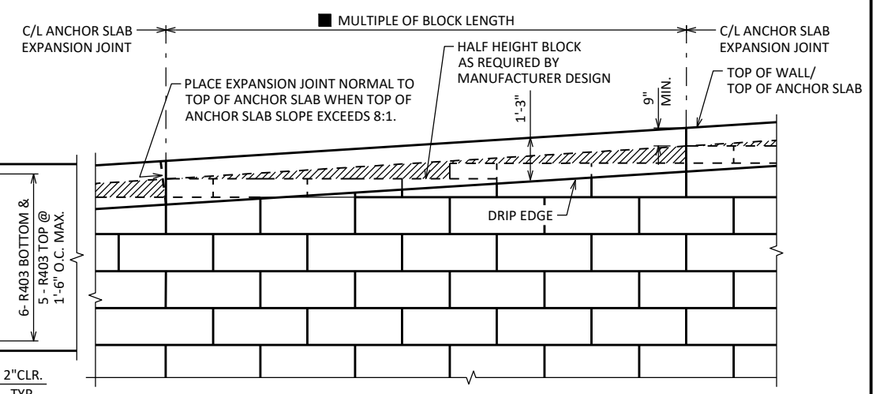


■ ANCHOR SLAB EXPANSION JOINT DETAIL



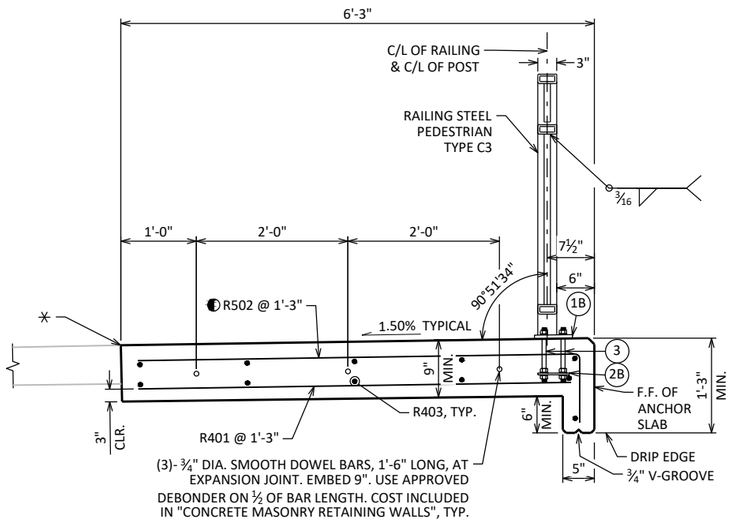
ANCHOR SLAB PLAN

PANEL LENGTH MEASURED ALONG R/L
RAILING NOT SHOWN FOR CLARITY



CAST-IN-PLACE ANCHOR SLAB PARTIAL ELEVATION

LOOKING AT F.F. OF WALL
RAILING NOT SHOWN FOR CLARITY



SECTION THRU ANCHOR ANCHOR SLAB

LEGEND

⚹ SEAL ALL EXPOSED HORIZ. & VERT. SURFACES OF FILLER WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD ⅛" BELOW SURFACE OF CONC.)

■ ANCHOR SLAB EXPANSION JOINTS TO BE SPACED AT A MINIMUM OF 20' AND A MAXIMUM OF 30'. DO NOT RUN BAR STEEL THRU JOINT, EXCEPT FOR DOWEL BARS. JOINT TO EXTEND FULL DEPTH OF ANCHOR SLAB. ALL EXPANSION JOINTS MUST COINCIDE WITH A BLOCK JOINT ON THE FRONT FACE OF WALL.

◐ ADJUST REBAR VERTICAL LEG AS REQUIRED TO ACCOMMODATE WALL BLOCK GEOMETRY/STEPS TO MAINTAIN 2" CLEAR COVER.

◪ REBAR QUANTITIES/END PANEL LENGTH SHOWN USES A TYPICAL ANCHOR SLAB EXPANSION JOINT SPACING OF 20'-0".

▨ ANCHOR SLAB CONCRETE REQUIRED TO ACCOMMODATE WALL BLOCK GEOMETRY/STEPS SHALL BE INCIDENTAL TO BID ITEM "WALL MODULAR BLOCK GRAVITY R-56-43".

NO.	DATE	REVISION	BY

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DEPARTMENT OF TRANSPORTATION

STRUCTURE R-56-43

DRAWN BY WAR | PLANS CK'D KGW

ANCHOR SLAB & RAILING ELEVATION

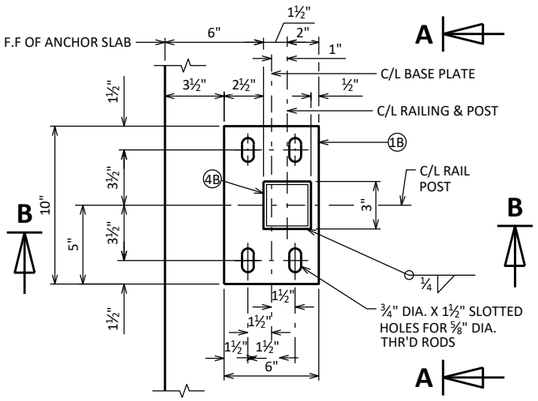
SHEET 4 OF 5
1034

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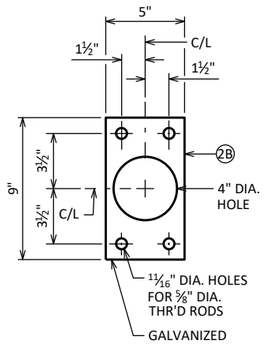
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STATE PROJECT NUMBER

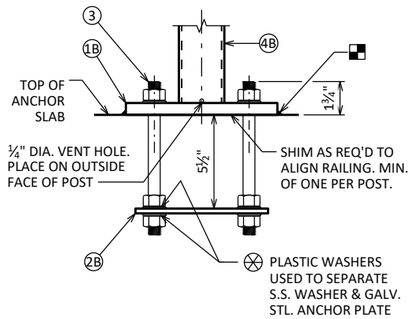
6145-01-72



TYPICAL RAIL POST BASE PLATE

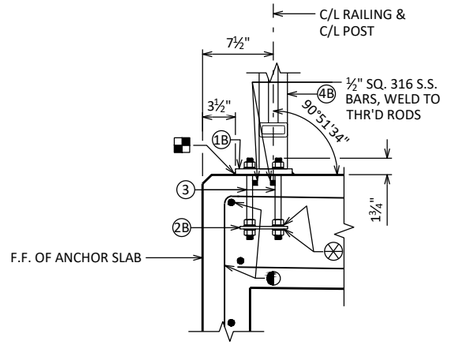


ANCHOR PLATE



SECTION A-A

NOTE: ANCHOR PLATE NOT REQUIRED WHEN ADHESIVE ANCHORS ARE USED.



SECTION B-B

NOTE: ANCHOR PLATE NOT REQUIRED WHEN ADHESIVE ANCHORS ARE USED.

◐ WHEN ADHESIVE ANCHORS ARE USED, FIELD BEND AND/OR DISPLACE TO AVOID HITTING LONGITUDINAL BAR WHEN DRILLING FOR ADHESIVE ANCHORS.

LEGEND

(1B) PLATE ⅝" X 6" X 10" WITH ¾" X 1½" SLOTTED HOLES.

(2B) ¼" X 5" X 9" ANCHOR PLATE WITH 11/16" DIA. HOLES FOR THR'D RODS NO. 3.

(3) ⅝" DIA. X 9" LONG, TYPE 316 STAINLESS STEEL THREADED RODS (MIN. TENSILE STRENGTH = 70 KSI) WITH NUT AND WASHERS OF SAME ALLOY GROUP.
ALTERNATIVE ANCHORAGE: CONCRETE ADHESIVE ANCHORS ⅝-INCH.
EMBED 7" IN CONCRETE FOR RAIL POSTS.
ADHESIVE ANCHORS SHALL CONFORM TO SECTIONS 502.2.12 OF THE STANDARD SPECIFICATIONS.

(4B) STRUCTURAL TUBING 3" X 3" X 3/16". PLACE VERTICAL. WELD TO NO. 1 & 5.

(5A) STRUCTURAL TUBING 3" X 1½" X 3/16" RAILS. WELD TO NO. 1 & NO. 4.
INSIDE OF TUBE TO BE PAINTED AT ALL FIELD ERECTION & EXPANSION JOINTS.

(6A) BAR 1" X 1" PICKETS. WELD TO NO. 5. (SPACE AT 6" MAX. C/L TO C/L SPACING). PLACE VERTICAL.

(7) BAR 1" X 1". BEND TO REQUIRED RADIUS. WELD TO NO. 4 & 5.

(9A) RECTANGULAR SLEEVE FABRICATED FROM 3/16" PLATES. PROVIDE "SLIDING FIT".

(10A) RECTANGULAR SLEEVE FABRICATED FROM 3/16" PLATES. (1'-4" @ FIELD ERECTION JTS.)

RAILING NOTES

BID ITEM SHALL BE "RAILING STEEL PEDESTRIAN TYPE C3", WHICH SHALL INCLUDE ALL STEEL ITEMS & PLASTIC WASHERS SHOWN.

POST BASE PLATES SHALL BE FLAT WITH ALL SURFACES SMOOTH AND FREE FROM WARP AND ALL EDGES SMOOTH, STRAIGHT, AND VERTICAL. ALL PLATE CUTS SHALL BE MACHINE OR MACHINE FLAME CUT.

ALL PLATES, BARS, AND RECTANGULAR SLEEVES SHALL CONFORM TO ASTM A709 GRADE 36. ALL STRUCTURAL TUBING SHALL CONFORM TO ASTM A500 GRADE B.

ANCHORAGES SHALL BE ACCURATELY PLACED TO PROVIDE CORRECT ALIGNMENT OF RAILING. SET NORMAL TO GRADE.

CUT BOTTOM OF POST TO MAKE POST VERTICAL IN BOTH TRANSVERSE AND LONGITUDINAL DIRECTION.

STEEL SHIMS SHALL BE PROVIDED & USED UNDER BASE PLATES WHERE REQUIRED FOR ALIGNMENT, AND SHALL BE GALVANIZED.

■ CAULK AROUND PERIMETER OF BASE PLATES, NO. 1, AND FILL BOLT SLOT OPENINGS IN SHIMS AND BASE PLATES WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER.

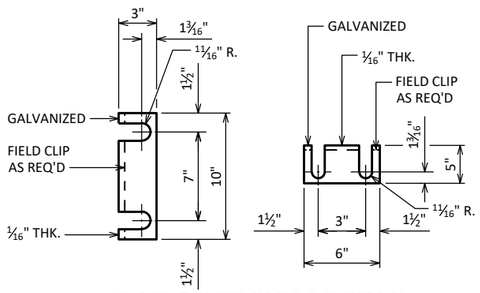
ALL JOINTS AND RECESSES IN CONCRETE ANCHOR SLAB ARE TO BE VERTICAL.

ALL MATERIAL (EXCEPT NO. 3) SHALL BE GALVANIZED AFTER FABRICATION. PRIOR TO GALVANIZING, THE STEEL RAILING SHALL BE GIVEN A NO. 6 BLAST CLEANING PER SSPC SPECIFICATIONS. PAINT OVER GALVANIZING WITH AN APPROVED TIE COAT AND TOP COAT AS SPECIFIED IN THE CONTRACT DOCUMENTS. THE RAILING SHALL BE PAINTED AMS STD. COLOR NO. 27038 (BLACK).

VENT HOLES SHALL BE DRILLED IN POST AND RAIL MEMBERS AS REQUIRED TO FACILITATE GALVANIZING AND DRAINAGE.

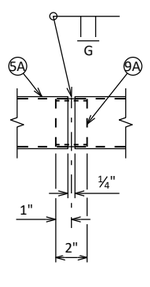
RAILING SHALL BE FABRICATED IN LENGTHS THAT INCLUDE 3 OR 4 POSTS.

TOUCH-UP PAINTING TO BE DONE AT COMPLETION OF STEEL RAILING INSTALLATION TO THE SATISFACTION OF THE ENGINEER AT NO EXTRA COST.



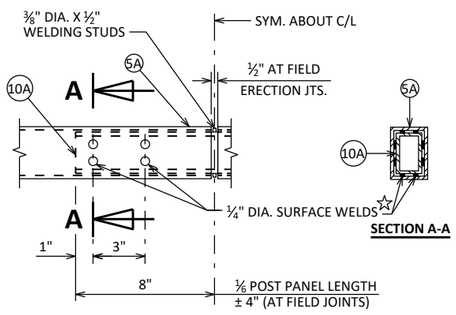
RAIL POST SHIM DETAIL

(2 SETS PER POST)



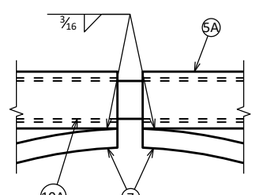
SHOP RAIL SPLICE DETAIL

(LOCATION MUST BE SHOWN ON SHOP DRAWINGS)



FIELD ERECTION JOINT DETAIL

☆ MIN. ⅝" FLAT SURFACE DIA. PUNCHINGS OR STUDS MAY BE USED AS AN ALTERNATE.



CURVED MEMBER JOINT DETAIL

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE R-56-43

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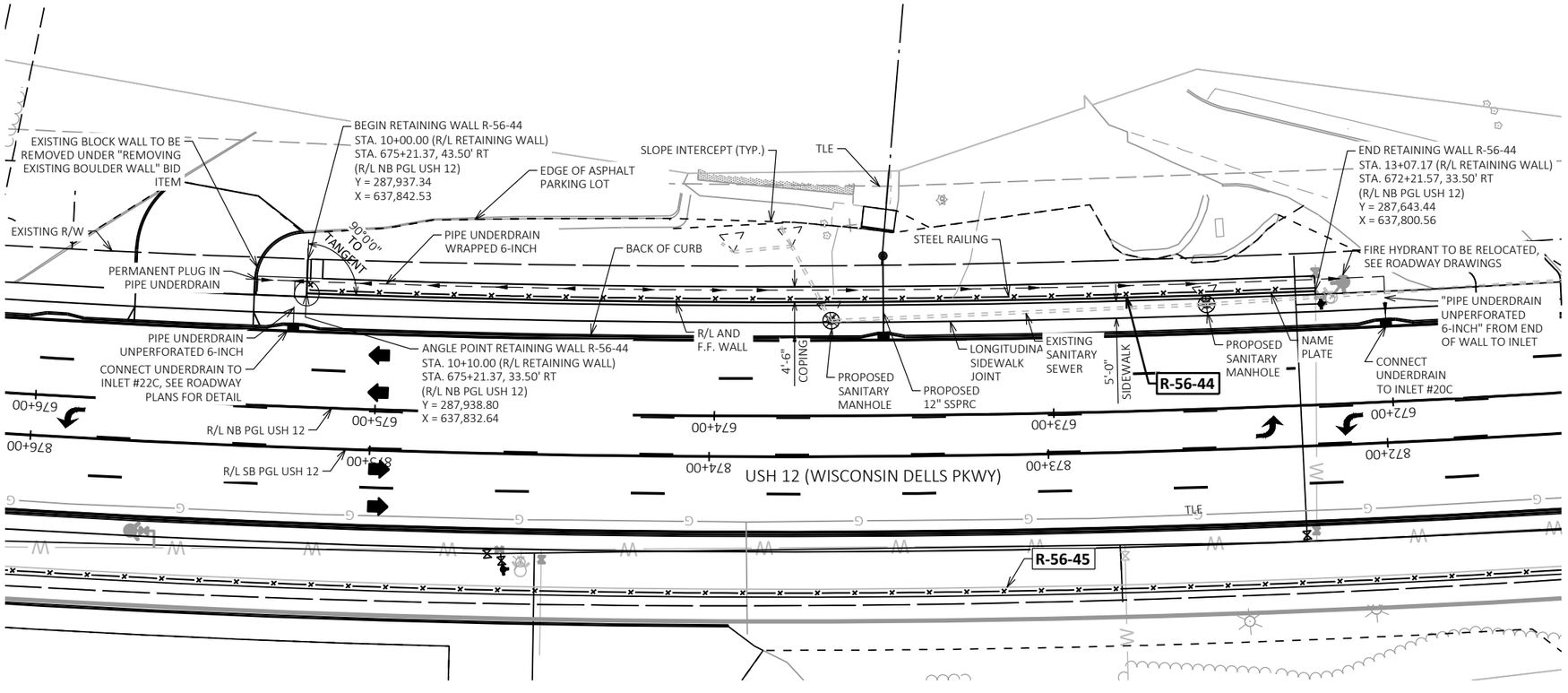
PEDESTRIAN RAIL TYPE 'C3 ' DETAILS

SHEET 5 OF 5

1035

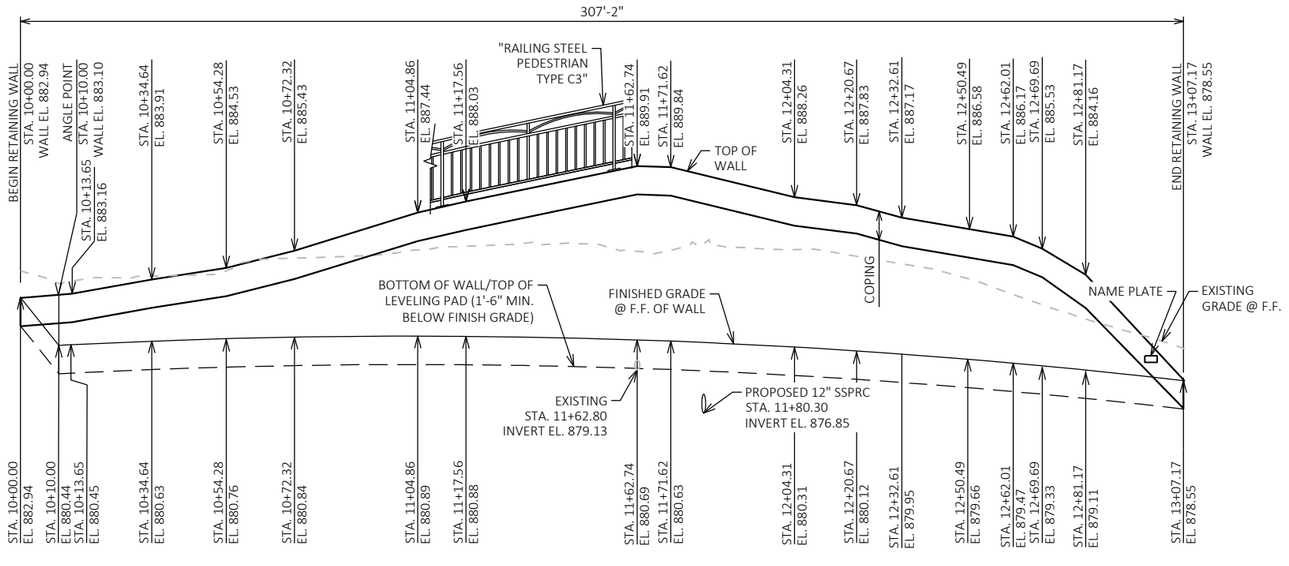
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PLAN

MSE WALL WITH WET CAST BLOCK FACING



ELEVATION

LOOKING EAST

(DIMENSIONS AND STATIONS GIVEN ALONG FRONT FACE OF WALL)

STATE PROJECT NUMBER

6145-01-72

DESIGN DATA

THE CONTRACTOR SHALL PROVIDE COMPLETE DESIGN, PLANS, DETAILS, SPECIFICATIONS, AND SHOP DRAWINGS FOR THE RETAINING WALLS IN ACCORDANCE WITH THE SPECIAL PROVISIONS. THE RETAINING WALL MANUFACTURER SHALL PROVIDE TECHNICAL ASSISTANCE TO THE CONTRACTOR DURING CONSTRUCTION. THE COST OF FURNISHING THESE ITEMS SHALL BE INCLUDED IN THE BID ITEM "WALL MODULAR BLOCK MECHANICALLY STABILIZED EARTH R-56-44".

PLANS, ELEVATIONS, AND DETAILS SHOWN ON THESE DRAWINGS ARE INTENDED TO INDICATE WALL LOCATIONS, LENGTHS, HEIGHTS, AND DETAILS COMMON TO THE WALL SYSTEM SELECTED. THE CONTRACTOR SHALL VERIFY THAT THE WALL SYSTEM SELECTED WILL CONFORM TO THE REQUIRED ALIGNMENTS AND DETAILS.

THE RETAINING WALL IS TO BE DESIGNED USING THE ELEVATIONS GIVEN ON THIS SHEET.

DESIGN RETAINING WALL FOR A LIVE LOAD SURCHARGE OF 100 PSF.

THE MAXIMUM VALUE OF THE ANGLE OF INTERNAL FRICTION OF THE WALL BACKFILL MATERIAL SHALL BE ASSUMED TO BE 30° WITHOUT CERTIFIED TEST VALUES.

MATERIAL PROPERTIES:

CONCRETE MASONRY:
COPING — f'_c = 3,500 PSI

BAR STEEL REINFORCEMENT
GRADE 60 — f_y = 60,000 PSI

LIVE LOAD:

LIVE LOAD SURCHARGE: 100 PSF

ALLOWABLE WALL SYSTEMS

WALL MODULAR BLOCK MECHANICALLY STABILIZED EARTH

TRAFFIC DATA

USH 12

ADT = 21,900 (2045)
R.D.S. = 40 MPH

LIST OF DRAWINGS

1. GENERAL PLAN & ELEVATION
2. TYPICAL SECTION & GENERAL NOTES
3. QUANTITIES & GEOMETRY
4. SUBSURFACE EXPLORATION
5. COPING & RAILING ELEVATION
6. PEDESTRIAN RAIL TYPE 'C3' DETAILS

CURVE DATA

P.I. = 683+03.01
Δ = 36°27'49"
D = 1°29'49"
T = 1260.73'
L = 2435.77'
R = 3827.35'
S.E. = 2.0%
P.C. = 670+42.28
P.T. = 694+78.05

WISCONSIN
WYATT ROZMENOSKI
47659
MILWAUKEE, WI
PROFESSIONAL ENGINEER

Wyatt A. Rozmenoski 3/24/2025

STRUCTURE DESIGN CONTACTS:

CONSULTANT CONTACT: WYATT ROZMENOSKI (414) 259-1500
BOS CONTACT: AARON BONK (608) 261-0261

NO.	DATE	REVISION	BY

GRAEF
275 W. Wisconsin Avenue
Suite 300
Milwaukee, WI 53203
414 / 259 1500
414 / 259 0037 fax
www.graef-usa.com

STATE OF WISCONSIN DEPARTMENT OF TRANSPORATION

ACCEPTED RMK 06/09/25
CHIEF STRUCTURES DESIGN ENGINEER — DATE

STRUCTURE R-56-44

USH 12 (WISCONSIN DELLS PARKWAY)

COUNTY	VILLAGE
SAUK	LAKE DELTON

DESIGN SPEC.
AASHTO LRFD BRIDGE DESIGN SPECIFICATION

DESIGNED BY	DESIGNED CK'D	DRAWN BY	PLANS CK'D
CWG	WAR	CWG	KGW

GENERAL PLAN & ELEVATION

SHEET 1 OF 6
1036

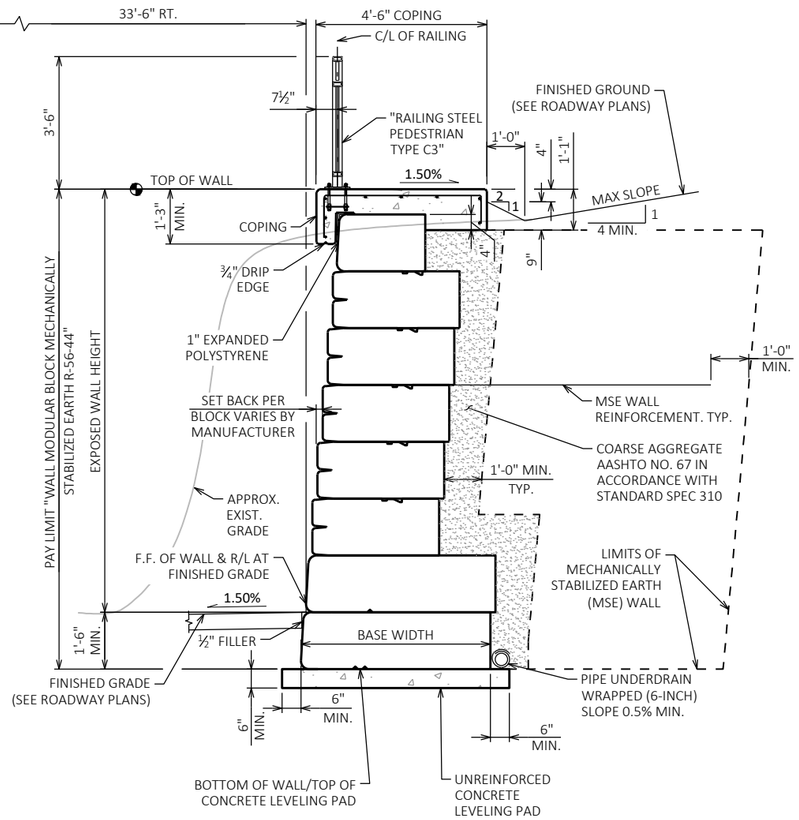
SCALE =

I.D. 6145-01-02

DATE: 2023

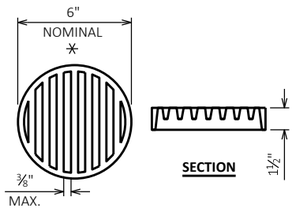
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WALL TYPICAL SECTION

MSE WALL WITH WET CAST BLOCK FACING



RODENT SHIELD DETAIL

* DIMENSIONS ARE APPROXIMATE. THE GRATE IS SIZED TO FIT INTO A PIPE COUPLING. ORIENT SO SLOTS ARE VERTICAL.

THE RODENT SHIELD, PIPE COUPLING AND SCREWS SHALL BE CONSIDERED INCIDENTAL TO THE BID ITEM "PIPE UNDERDRAIN WRAPPED 6-INCH".

THE RODENT SHIELD SHALL BE A PVC GRATE SIMILAR TO THIS DETAIL. THE GRATE IS COMMERCIALLY AVAILABLE AS A FLOOR STRAINER. A PIPE COUPLING IS REQUIRED FOR THE ATTACHMENT OF THIS SHIELD TO THE EXPOSED END OF THE PIPE UNDERDRAIN. THE SHIELD SHALL BE FASTENED TO THE PIPE COUPLING WITH TWO OR MORE NO. 10 X 1-INCH STAINLESS STEEL SHEET METAL SCREWS.

STATE PROJECT NUMBER

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GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

BEVEL EXPOSED EDGES OF CONCRETE ¾" UNLESS OTHERWISE NOTED.

BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2" CLEAR COVER UNLESS OTHERWISE SHOWN OR NOTED.

THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE.

THESE PLANS ARE FOR A MODULAR BLOCK MSE RETAINING WALL.

COORDINATES ON THIS PLAN ARE REFERENCED TO THE WISCONSIN COORDINATE REFERENCE SYSTEM (WISCRS), SAUK COUNTY, NAD 83 (2007), ALL STATIONS AND ELEVATIONS ARE IN FEET. ELEVATIONS ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM NAVD 88 (2007).

DESIGN FOR RETAINING WALL TO PROVIDE FOR FINISHED GRADE SLOPED BEHIND WALL AS SHOWN ON THIS SHEET AND ROADWAY CROSS SECTIONS.

ALL STATIONS AND DIMENSIONS ARE ALONG THE FRONT FACE OF WALL AT FINISHED GRADE, UNLESS SHOWN OTHERWISE.

PLANS, DIMENSIONS AND QUANTITIES ARE BASED ON AN ASSUMED MODULAR BLOCK DEPTH OF 18 INCHES.

PRECAST MODULAR BLOCK TEXTURE SHALL BE COORDINATED WITH AND SELECTED BY THE VILLAGE FROM MANUFACTURER'S OPTIONS.

THE COST OF FURNISHING AND PLACING THE UNREINFORCED CONCRETE LEVELING PAD UNDER THE RETAINING WALLS ARE INCLUDED IN THE BID ITEM "WALL MODULAR BLOCK MECHANICALLY STABILIZED EARTH R-56-44".

THE COST OF FURNISHING AND PLACING REINFORCING STEEL AND CONCRETE FOR WALL COPINGS ARE INCLUDED IN THE BID ITEM "WALL MODULAR BLOCK MECHANICALLY STABILIZED EARTH R-56-44".

THE PLAN QUANTITY FOR THE ITEM "WALL MODULAR BLOCK MECHANICALLY STABILIZED EARTH R-56-44" IS BASED ON A WALL HEIGHT MEASURED FROM THE TOP OF WALL TO A CONSTANT DEPTH OF 1'-6" BELOW FINISHED GRADE.

REMOVAL OF BOULDER WALL WILL BE PAID FOR UNDER BID ITEM "REMOVING EXISTING BOULDER WALL" AS SHOWN ON ROADWAY PLANS.

THE UTILITY INFORMATION SHOWN ON THESE DRAWINGS CONCERNING TYPE AND LOCATION OF UNDERGROUND UTILITIES IS NOT GUARANTEED TO BE ACCURATE OR ALL-INCLUSIVE. THE CONTRACTOR IS RESPONSIBLE FOR MAKING THEIR OWN DETERMINATIONS AS TO TYPE AND LOCATION OF UNDERGROUND UTILITIES AS MAY BE NECESSARY TO AVOID DAMAGE. UTILITIES LABELED AS PROPOSED MAY BE INSTALLED BY OTHERS PRIOR TO THIS CONTRACT.

THE MAXIMUM BACKSLOPE SHALL BE 4:1.

ANTI-GRAFFITI COATING TO BE APPLIED TO F.F. OF WALL FROM TOP OF WALL TO 1'-0" MIN. BELOW FINISHED GRADE, INCLUDING DRIP EDGE.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE R-56-44

DRAWN BY CWG | PLANS CK'D KGW

TYPICAL SECTION & GENERAL NOTES

SHEET 2 OF 6

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SCALE =

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STATE PROJECT NUMBER

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WALL EXTERNAL & OVERALL STABILITY EVALUATION

DIMENSIONS	
	MSE
WALL HEIGHT (FEET)	10.4
EXPOSED WALL HEIGHT (FEET)	8.9
BORING LOCATION USED	B-24
APPROXIMATE WALL STATION	11+75
BACK SLOPE ABOVE WALL	0°
CAPACITY TO DEMAND RATIO (CDR)	
SLIDING (CDR > 1.0)	1.4
ECCENTRICITY (CDR > 1.0)	1.3
OVERALL STABILITY (CDR > 1.0)	2.4
BEARING RESISTANCE (CDR > 1.0)[1.]	11.8
FACTORED BEARING RESISTANCE (PSF)[1.]	33,856

NOTES:
1. ASSUMING 5'-0" BOTTOM BLOCK WIDTH & 6'-0" LEVELING PAD WIDTH.

SOIL PARAMETERS

SOIL DESCRIPTION	FRICTION ANGLE (DEGREES)	COHESION (PSF)	UNIT WEIGHT (PCF)
GRANULAR BACKFILL BEHIND THE WALL/IN THE REINFORCING ZONE	30	--	120
DESIGN WALL VALUES			
FILL/SAND SP DEPTH 0 FEET TO 3 FEET	28	--	115
SAND SP DEPTH 3 FEET TO 16+ FEET	39	--	135
BOR-23 - STA. 672+35.03 - 44.8' RT OF R/L NB PGL USH 12			
POORLY GRADED SAND SP EL. 883.2 TO EL. 880.2	--	--	--
WEATHERED SANDSTONE EL. 880.2 TO EL. 873.0	--	--	--
BOR-24 - STA. 674+41.60 - 60.0' RT OF R/L NB PGL USH 12			
POORLY GRADED SAND SP EL. 889.6 TO EL. 886.6	--	--	--
WEATHERED SANDSTONE EL. 886.6 TO EL. 878.9	--	--	--
BOR-25 - STA. 675+27.80 - 40.5' RT OF R/L NB PGL USH 12			
ASPHALT & BASE COURSE EL. 884.0 TO EL. 883.0	--	--	--
POORLY GRADED SAND ATOP 6" ASPHALT EL. 883.0 TO EL. 881	--	--	--
WEATHERED SANDSTONE EL. 881.0 TO EL. 865.4	--	--	--

GEOMETRY TABLE

WALL STATION	ROADWAY STATION	OFFSET TO WALL R/L	TOP OF WALL EL.	FINISHED GRADE EL.
10+00.00	675+21.37	43.50' RT	882.94	882.94
10+10.00	675+21.37	33.50' RT	883.10	880.44
10+13.65	675+17.68	33.50' RT	883.16	880.45
10+34.64	674+96.51	33.50' RT	883.91	880.63
10+54.28	674+76.70	33.50' RT	884.53	880.76
10+72.32	674+58.50	33.50' RT	885.43	880.84
11+04.86	674+25.67	33.50' RT	887.44	880.89
11+17.56	674+12.85	33.50' RT	888.03	880.88
11+62.74	673+67.27	33.50' RT	889.91	880.69
11+71.62	673+58.31	33.50' RT	889.84	880.63
12+04.31	673+25.32	33.50' RT	888.26	880.31
12+20.67	673+08.81	33.50' RT	887.83	880.12
12+32.61	672+96.76	33.50' RT	887.17	879.95
12+50.49	672+78.71	33.50' RT	886.58	879.66
12+62.01	672+67.08	33.50' RT	886.17	879.47
12+69.69	672+59.33	33.50' RT	885.53	879.33
12+81.17	672+47.74	33.50' RT	884.16	879.11
13+07.17	672+21.57	33.50' RT	878.55	878.55

TOTAL ESTIMATED QUANTITIES

	BID ITEM NUMBER	BID ITEMS	UNIT	TOTALS
	513.8016	RAILING STEEL PEDESTRIAN TYPE C3	LF	308
	612.0206	PIPE UNDERDRAIN UNPERFORATED 6-INCH	LF	33
	612.0406	PIPE UNDERDRAIN WRAPPED 6-INCH	LF	308
**	SPV.0165.010	ANTI-GRAFFITI COATING	SF	2,268
	SPV.0165.025	WALL MODULAR BLOCK MECHANICALLY STABILIZED EARTH R-56-44	SF	2,294
		NON-BID ITEMS		
		FILLER	SIZE	¾"
		EXPANDED POLYSTRENE	SIZE	1"
		NAME PLATE	EACH	1

ALL ITEMS ARE CATEGORY 0080, UNLESS NOTED OTHERWISE
** ITEM INCLUDED IN CATEGORY 0040

BENCH MARK

NO.	STATION	OFFSET	DESCRIPTION	EL.
BM10	670+81.82	32.72' LT	GEAR SPIKE IN EAST FACE OF PP#13-6-16.1 WEST SIDE OF WISCONSIN DELLS PARKWAY ACROSS FROM BUILDING #1570	876.27

8

8

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE R-56-44

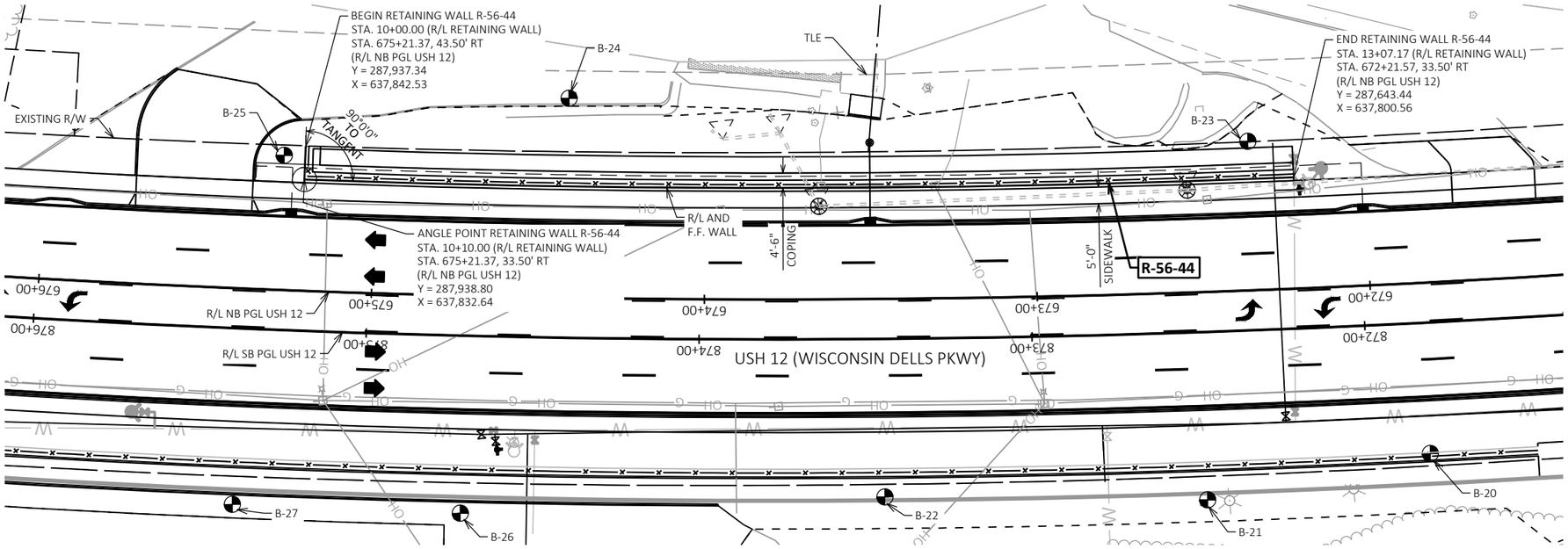
DRAWN BY CWG | PLANS CK'D KGW

QUANTITIES & GEOMETRY

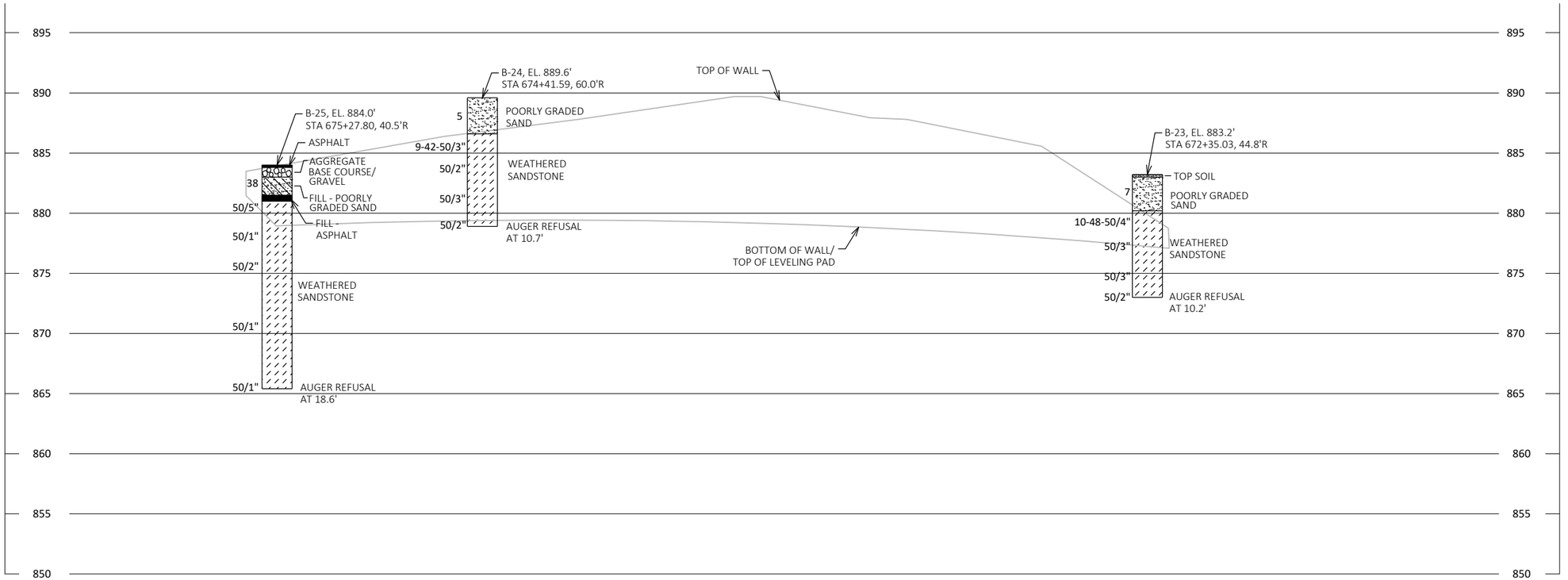
SHEET 3 OF 6
1038

SCALE =

BORING #	DATE COMPLETED	NORTHING (Y)	EASTING (X)
B-23	05-12-2023	287655.93	637812.79
B-24	05-12-2023	287857.13	637848.11
B-25	05-05-2023	287944.08	637840.48
BORINGS COMPLETED BY: CS DRILLING, INC.			
REPORT COMPLETED BY: TERRACON			
ALL COORDINATES REFERENCED TO (WISCRS), SAUK COUNTY NAD 83 (2007), IN U.S. SURVEY FEET			



PLAN



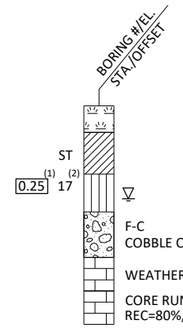
STATE PROJECT NUMBER

6145-01-72

MATERIAL SYMBOLS

ASPHALT, TOPSOIL, PEAT, CONCRETE, FILL, GRAVEL, SAND, CLAY, SILT, BOULDERS OR COBBLES, LIMESTONE, BEDROCK (UNKNOWN), SHALE, SANDSTONE, IGNEOUS/ META

LEGEND OF BORING



(1) UNCONFINED STRENGTH, AS DETERMINED BY A POCKET PENETROMETER (TSF)

(2) UNLESS OTHERWISE, SPECIFIED THE SPT 'N' VALUE IS BASED ON AASHTO T-206, STANDARD PENETRATION TEST. THE SPT 'N' VALUE PRESENTED HAS NOT BEEN CORRECTED FOR OVERBURDEN PRESSURE OR HAMMER EFFICIENCY.

GROUND WATER ELEVATION

AT TIME OF DRILLING
END OF DRILLING
AFTER DRILLING

ABBREVIATIONS

F-FINE M-MEDIUM C-COARSE ST-SHELBY TUBE

SUBSURFACE EXPLORATION FOR FOUNDATION DESIGN AND BIDDERS INFORMATION

BORINGS WERE COMPLETED AT POINTS APPROXIMATELY AS INDICATED ON THIS DRAWING TO OBTAIN INFORMATION CONCERNING THE CHARACTER OF SUBSURFACE MATERIALS FOUND AT THE SITE. BECAUSE THE INVESTIGATED DEPTHS ARE LIMITED AND THE AREA OF THE BORINGS IS VERY SMALL IN RELATION TO THE ENTIRE SITE, THE WISCONSIN DEPARTMENT OF TRANSPORTATION DOES NOT WARRANT SIMILAR SUBSURFACE CONDITIONS BELOW, BETWEEN, OR BEYOND THESE BORINGS. VARIATIONS IN SOIL CONDITIONS SHOULD BE EXPECTED AND FLUCTUATIONS IN GROUNDWATER LEVELS MAY OCCUR.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE R-56-44

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SUBSURFACE EXPLORATION

SHEET 4 OF 6
1039

SCALE =

8

8

STATE PROJECT NUMBER

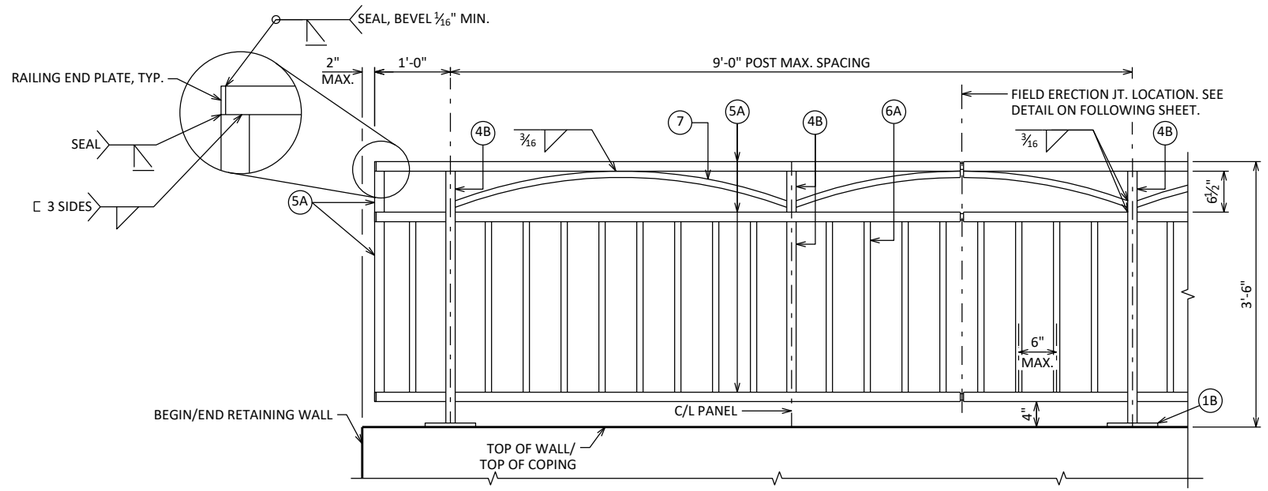
6145-01-72

NOTES

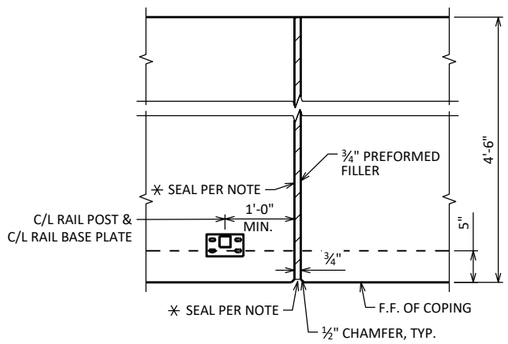
ALL BAR STEEL SHALL BE EPOXY COATED.

LAP #4 A MINIMUM OF 1'-0".

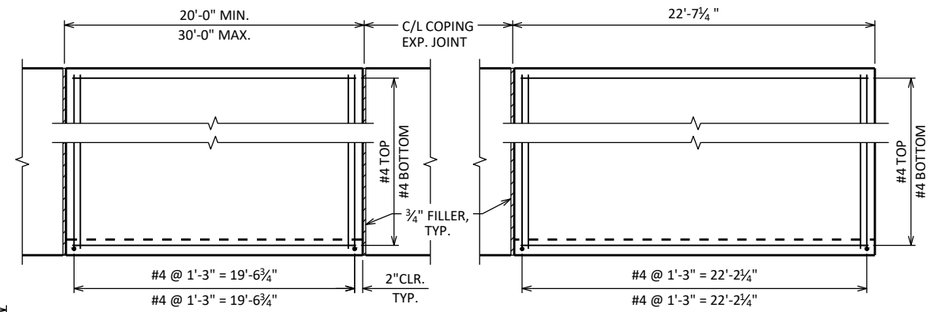
SEE SHEET 5 FOR MATERIAL PROPERTIES.



TYPE C3 PEDESTRIAN RAILING ELEVATION

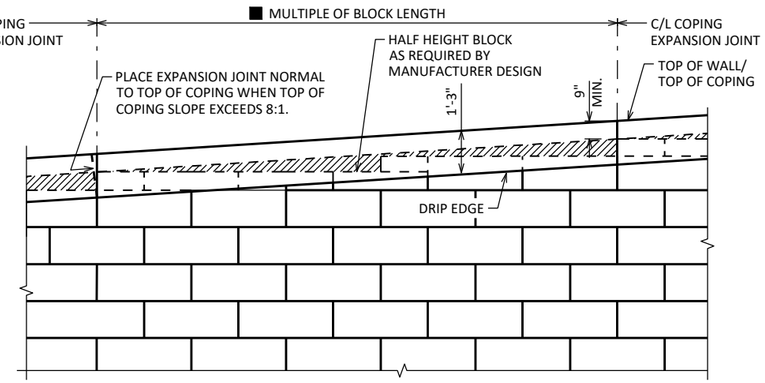


■ COPING EXPANSION JOINT DETAIL



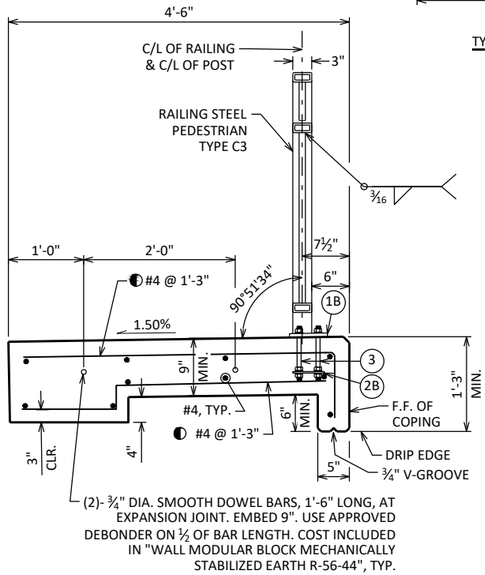
TYPICAL PANEL

SOUTH END PANEL



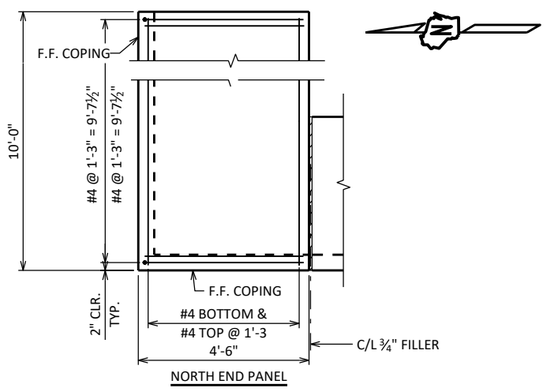
CAST-IN-PLACE COPING PARTIAL ELEVATION

LOOKING AT F.F. OF WALL
RAILING NOT SHOWN FOR CLARITY



(2)- ¾" DIA. SMOOTH DOWEL BARS, 1'-6" LONG, AT EXPANSION JOINT. EMBED 9". USE APPROVED DEBONDER ON ½ OF BAR LENGTH. COST INCLUDED IN "WALL MODULAR BLOCK MECHANICALLY STABILIZED EARTH R-56-44", TYP.

SECTION THRU COPING



NORTH END PANEL

COPING PLAN

PANEL LENGTH MEASURED ALONG WALL R/L
RAILING NOT SHOWN FOR CLARITY

LEGEND

⚹ SEAL ALL EXPOSED HORIZ. & VERT. SURFACES OF FILLER WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD ⅛" BELOW SURFACE OF CONC.)

■ COPING JOINTS TO BE SPACED AT A MINIMUM OF 20' AND A MAXIMUM OF 30'. DO NOT RUN BAR STEEL THRU JOINT, EXCEPT FOR DOWEL BARS. JOINT TO EXTEND FULL DEPTH OF COPING. ALL COPING JOINTS MUST COINCIDE WITH A BLOCK JOINT ON THE FRONT FACE OF WALL.

◐ ADJUST REBAR VERTICAL LEG AS REQUIRED TO ACCOMMODATE WALL BLOCK GEOMETRY/STEPS TO MAINTAIN 2" CLEAR COVER.

▨ COPING CONCRETE REQUIRED TO ACCOMMODATE WALL BLOCK GEOMETRY/STEPS SHALL BE INCIDENTAL TO BID ITEM"WALL MODULAR BLOCK MECHANICALLY STABILIZED EARTH R-56-44".

NO.	DATE	REVISION	BY

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DEPARTMENT OF TRANSPORTATION

STRUCTURE R-56-44

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COPING & RAILING ELEVATION

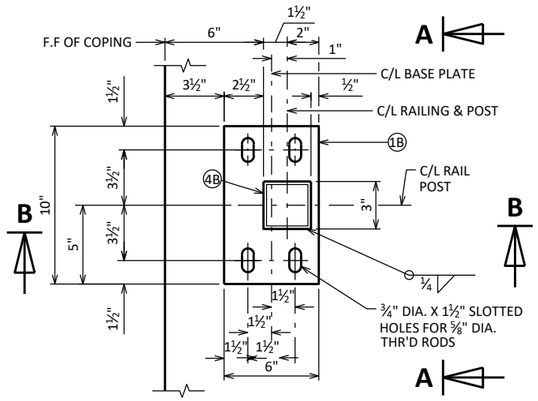
SHEET 5 OF 6
1040

8

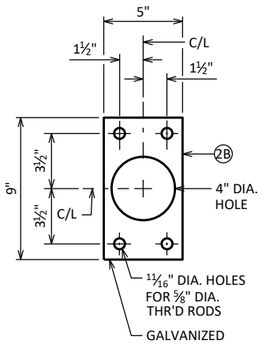
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STATE PROJECT NUMBER

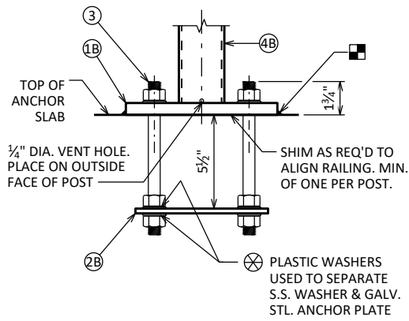
6145-01-72



TYPICAL RAIL POST BASE PLATE

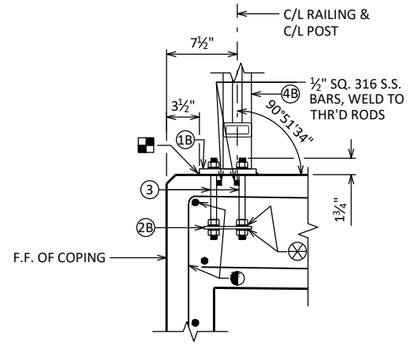


ANCHOR PLATE



SECTION A-A

NOTE: ANCHOR PLATE NOT REQUIRED WHEN ADHESIVE ANCHORS ARE USED.



SECTION B-B

NOTE: ANCHOR PLATE NOT REQUIRED WHEN ADHESIVE ANCHORS ARE USED.

◐ WHEN ADHESIVE ANCHORS ARE USED, FIELD BEND AND/OR DISPLACE TO AVOID HITTING LONGITUDINAL BAR WHEN DRILLING FOR ADHESIVE ANCHORS.

LEGEND

(1B) PLATE ⅝" X 6" X 10" WITH ¾" X 1½" SLOTTED HOLES.

(2B) ¼" X 5" X 9" ANCHOR PLATE WITH 11/16" DIA. HOLES FOR THR'D RODS NO. 3.

(3) ⅝" DIA. X 9" LONG, TYPE 316 STAINLESS STEEL THREADED RODS (MIN. TENSILE STRENGTH = 70 KSI) WITH NUT AND WASHERS OF SAME ALLOY GROUP. ALTERNATIVE ANCHORAGE: CONCRETE ADHESIVE ANCHORS ⅝-INCH. EMBED 7" IN CONCRETE FOR RAIL POSTS. ADHESIVE ANCHORS SHALL CONFORM TO SECTIONS 502.2.12 OF THE STANDARD SPECIFICATIONS.

(4B) STRUCTURAL TUBING 3" X 3" X 3/16". PLACE VERTICAL. WELD TO NO. 1 & 5.

(5A) STRUCTURAL TUBING 3" X 1½" X 3/16" RAILS. WELD TO NO. 1 & NO. 4. INSIDE OF TUBE TO BE PAINTED AT ALL FIELD ERECTION & EXPANSION JOINTS.

(6A) BAR 1" X 1" PICKETS. WELD TO NO. 5. (SPACE AT 6" MAX. C/L TO C/L SPACING). PLACE VERTICAL.

(7) BAR 1" X 1". BEND TO REQUIRED RADIUS. WELD TO NO. 4 & 5.

(9A) RECTANGULAR SLEEVE FABRICATED FROM 3/16" PLATES. PROVIDE "SLIDING FIT".

(10A) RECTANGULAR SLEEVE FABRICATED FROM 3/16" PLATES. (1'-4" @ FIELD ERECTION JTS.)

RAILING NOTES

BID ITEM SHALL BE "RAILING STEEL PEDESTRIAN TYPE C3", WHICH SHALL INCLUDE ALL STEEL ITEMS & PLASTIC WASHERS SHOWN.

POST BASE PLATES SHALL BE FLAT WITH ALL SURFACES SMOOTH AND FREE FROM WARP AND ALL EDGES SMOOTH, STRAIGHT, AND VERTICAL. ALL PLATE CUTS SHALL BE MACHINE OR MACHINE FLAME CUT.

ALL PLATES, BARS, AND RECTANGULAR SLEEVES SHALL CONFORM TO ASTM A709 GRADE 36. ALL STRUCTURAL TUBING SHALL CONFORM TO ASTM A500 GRADE B.

ANCHORAGES SHALL BE ACCURATELY PLACED TO PROVIDE CORRECT ALIGNMENT OF RAILING. SET NORMAL TO GRADE.

CUT BOTTOM OF POST TO MAKE POST VERTICAL IN BOTH TRANSVERSE AND LONGITUDINAL DIRECTION.

STEEL SHIMS SHALL BE PROVIDED & USED UNDER BASE PLATES WHERE REQUIRED FOR ALIGNMENT, AND SHALL BE GALVANIZED.

■ CAULK AROUND PERIMETER OF BASE PLATES, NO. 1, AND FILL BOLT SLOT OPENINGS IN SHIMS AND BASE PLATES WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER.

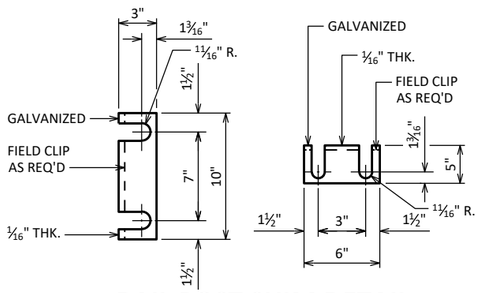
ALL JOINTS AND RECESSES IN CONCRETE COPING ARE TO BE VERTICAL.

ALL MATERIAL (EXCEPT NO. 3) SHALL BE GALVANIZED AFTER FABRICATION. PRIOR TO GALVANIZING, THE STEEL RAILING SHALL BE GIVEN A NO. 6 BLAST CLEANING PER SSPC SPECIFICATIONS. PAINT OVER GALVANIZING WITH AN APPROVED TIE COAT AND TOP COAT AS SPECIFIED IN THE CONTRACT DOCUMENTS. THE RAILING SHALL BE PAINTED AMS STD. COLOR NO. 27038 (BLACK).

VENT HOLES SHALL BE DRILLED IN POST AND RAIL MEMBERS AS REQUIRED TO FACILITATE GALVANIZING AND DRAINAGE.

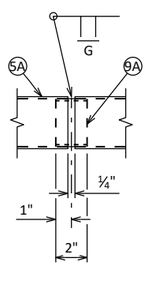
RAILING SHALL BE FABRICATED IN LENGTHS THAT INCLUDE 3 OR 4 POSTS.

TOUCH-UP PAINTING TO BE DONE AT COMPLETION OF STEEL RAILING INSTALLATION TO THE SATISFACTION OF THE ENGINEER AT NO EXTRA COST.



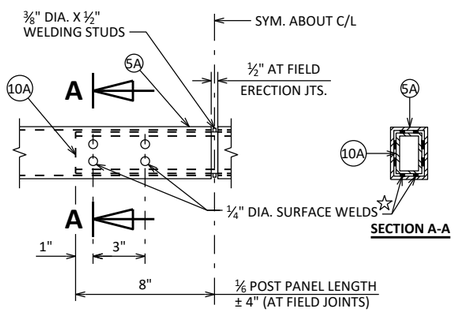
RAIL POST SHIM DETAIL

(2 SETS PER POST)



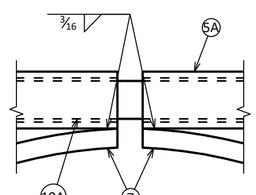
SHOP RAIL SPLICE DETAIL

(LOCATION MUST BE SHOWN ON SHOP DRAWINGS)



FIELD ERECTION JOINT DETAIL

☆ MIN. ⅝" FLAT SURFACE DIA. PUNCHINGS OR STUDS MAY BE USED AS AN ALTERNATE.



CURVED MEMBER JOINT DETAIL

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE R-56-44

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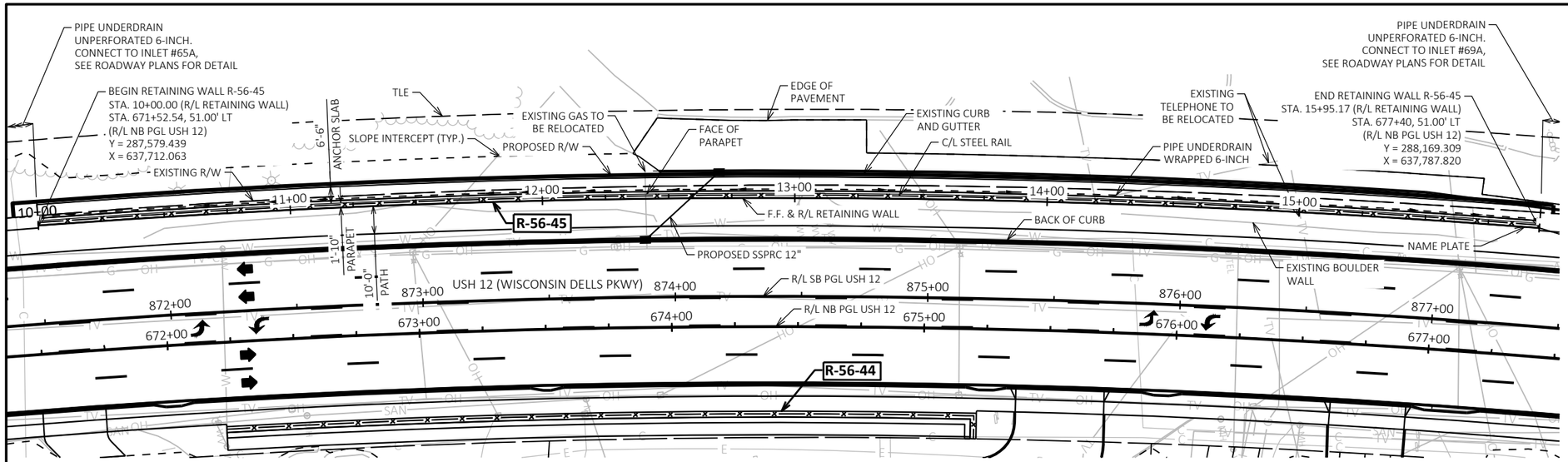
PEDESTRIAN RAIL TYPE 'C3' DETAILS

SHEET 6 OF 6

1041

8

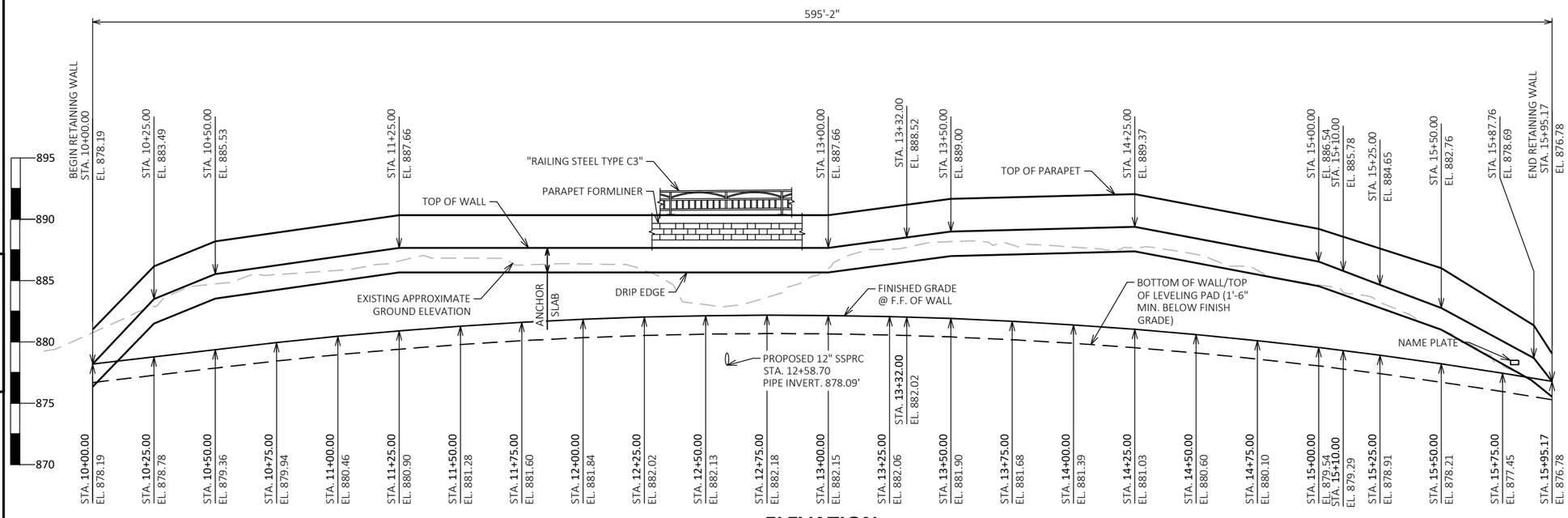
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PLAN

MSE WALL WITH WET CAST BLOCK FACING





ELEVATION

LOOKING WEST
(DIMENSIONS AND STATIONS GIVEN ALONG FRONT FACE OF WALL)

STRUCTURE DESIGN CONTACTS:

CONSULTANT CONTACT: WYATT ROZMENOSKI (414) 259-1500
BOS CONTACT: AARON BONK (608) 261-0261

STATE PROJECT NUMBER

6145-01-72

DESIGN DATA

THE CONTRACTOR SHALL PROVIDE COMPLETE DESIGN, PLANS, DETAILS, SPECIFICATIONS, AND SHOP DRAWINGS FOR THE RETAINING WALLS IN ACCORDANCE WITH THE SPECIAL PROVISIONS. THE RETAINING WALL MANUFACTURER SHALL PROVIDE TECHNICAL ASSISTANCE TO THE CONTRACTOR DURING CONSTRUCTION. THE COST OF FURNISHING THESE ITEMS SHALL BE INCLUDED IN THE BID ITEM "WALL MODULAR BLOCK MECHANICALLY STABILIZED EARTH R-56-45".

PLANS, ELEVATIONS, AND DETAILS SHOWN ON THESE DRAWINGS ARE INTENDED TO INDICATE WALL LOCATIONS, LENGTHS, HEIGHTS, AND DETAILS COMMON TO THE WALL SYSTEM SELECTED. THE CONTRACTOR SHALL VERIFY THAT THE WALL SYSTEM SELECTED WILL CONFORM TO THE REQUIRED ALIGNMENTS AND DETAILS.

THE RETAINING WALL IS TO BE DESIGNED USING THE ELEVATIONS GIVEN ON THIS SHEET.

DESIGN RETAINING WALL FOR A LIVE LOAD SURCHARGE OF 240 PSF.

THE MAXIMUM VALUE OF THE ANGLE OF INTERNAL FRICTION OF THE WALL BACKFILL MATERIAL SHALL BE ASSUMED TO BE 30° WITHOUT CERTIFIED TEST VALUES.

MATERIAL PROPERTIES:

CONCRETE MASONRY:
ANCHOR SLAB & PARAPET — f'_c = 4,000 PSI

BAR STEEL REINFORCEMENT
GRADE 60 — f_y = 60,000 PSI

LIVE LOAD:

LIVE LOAD SURCHARGE: 240 PSF

ALLOWABLE WALL SYSTEMS

WALL MODULAR BLOCK MSE WALL

TRAFFIC DATA

USH 12
ADT = 21,900 (2045)
R.D.S. = 40 MPH

CURVE DATA

P.I. = 683+03.01
Δ = 36°27'49"
D = 1°29'49"
T = 1260.73'
L = 2435.77'
R = 3827.35'
S.E. = 2.0%
P.C. = 670+42.28
P.T. = 694+78.05

LIST OF DRAWINGS

1. GENERAL PLAN & ELEVATION
2. TYPICAL SECTION & GENERAL NOTES
3. QUANTITIES & GEOMETRY
4. SUBSURFACE EXPLORATION
5. ANCHOR SLAB DETAIL
6. COMBINATION RAILING TYPE 'C3'
7. COMBINATION RAILING TYPE 'C3' DETAILS

NO.	DATE	REVISION	BY

GRAEF
275 W. Wisconsin Avenue
Suite 300
Milwaukee, WI 53203
414 / 259 1500
414 / 259 0037 fax
www.graef-usa.com

STATE OF WISCONSIN DEPARTMENT OF TRANSPORATION

ACCEPTED BMK 06/09/25
CHIEF STRUCTURES DESIGN ENGINEER — DATE

STRUCTURE R-56-45

USH 12 (WISCONSIN DELLS PARKWAY)

COUNTY	VILLAGE
SAUK	LAKE DELTON

DESIGN SPEC.
AASHTO LRFD BRIDGE DESIGN SPECIFICATION

DESIGNED BY	CWG	DESIGNED CK'D	WAR	DRAWN BY	CWG	PLANS CK'D	KGW

GENERAL PLAN & ELEVATION

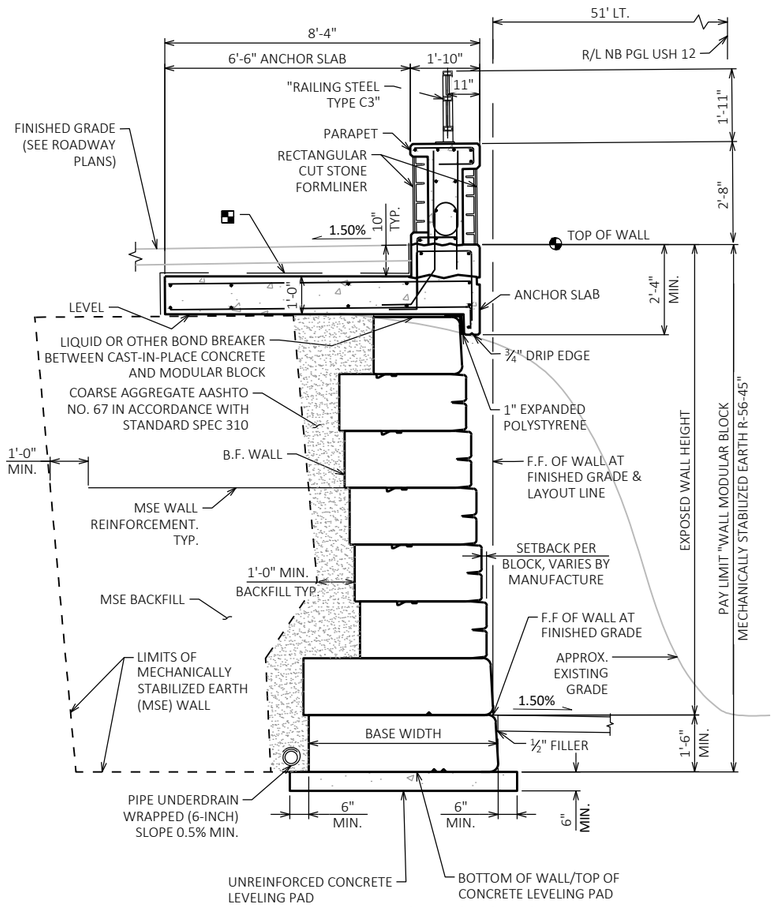
SHEET 1 OF 7
1042

I.D. 6145-01-02 DATE: 2025

SCALE =

8

8



WALL TYPICAL SECTION

MSE WALL WITH WET CAST BLOCK FACING

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

BEVEL EXPOSED EDGES OF CONCRETE ¾" UNLESS OTHERWISE NOTED.

BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2" CLEAR COVER UNLESS OTHERWISE SHOWN OR NOTED.

THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE.

THESE PLANS ARE FOR A MODULAR BLOCK MSE RETAINING WALL.

COORDINATES ON THIS PLAN ARE REFERENCED TO THE WISCONSIN COORDINATE REFERENCE SYSTEM (WISCRS), SAUK COUNTY, NAD 83 (2007), ALL STATIONS AND ELEVATIONS ARE IN FEET. ELEVATIONS ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM NAVD 88 (2007).

DESIGN FOR RETAINING WALL TO PROVIDE FOR FINISHED GRADE SLOPED BEHIND WALL AS SHOWN ON THIS SHEET AND ROADWAY CROSS SECTIONS.

ALL STATIONS AND DIMENSIONS ARE ALONG THE FRONT FACE OF WALL AT FINISHED GRADE, UNLESS SHOWN OTHERWISE.

PLANS, DIMENSIONS AND QUANTITIES ARE BASED ON AN ASSUMED MODULAR BLOCK DEPTH OF 18 INCHES.

PRECAST MODULAR BLOCK TEXTURE SHALL BE COORDINATED WITH AND SELECTED BY THE VILLAGE FROM MANUFACTURER'S OPTIONS.

THE COST OF FURNISHING AND PLACING THE UNREINFORCED CONCRETE LEVELING PAD UNDER THE MECHANICALLY STABILIZED EARTH RETAINING WALL IS INCLUDED IN THE BID ITEM "WALL MODULAR BLOCK MECHANICALLY STABILIZED EARTH R-56-45".

THE PLAN QUANTITY FOR THE ITEM "WALL MODULAR BLOCK MECHANICALLY STABILIZED EARTH R-56-45" IS BASED ON A WALL HEIGHT MEASURED FROM THE TOP OF WALL TO A CONSTANT DEPTH OF 1'-6" BELOW FINISHED GRADE.

REMOVAL OF BOULDER WALL WILL BE PAID FOR UNDER BID ITEM "REMOVING EXISTING BOULDER WALL" AS SHOWN ON ROADWAY PLANS.

THE UTILITY INFORMATION SHOWN ON THESE DRAWINGS CONCERNING TYPE AND LOCATION OF UNDERGROUND UTILITIES IS NOT GUARANTEED TO BE ACCURATE OR ALL-INCLUSIVE. THE CONTRACTOR IS RESPONSIBLE FOR MAKING THEIR OWN DETERMINATIONS AS TO TYPE AND LOCATION OF UNDERGROUND UTILITIES AS MAY BE NECESSARY TO AVOID DAMAGE. UTILITIES LABELED AS PROPOSED MAY BE INSTALLED BY OTHERS PRIOR TO THIS CONTRACT.

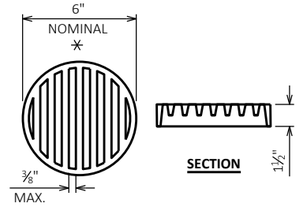
PIGMENTED SURFACE SEALER TO BE APPLIED TO THE TRAFFIC FACE AND THE TOP OF THE PARAPET.

ANTI-GRAFFITI COATING TO BE TO APPLIED F.F. OF WALL FROM TOP OF WALL TO 1'-0" MIN.BELOW FINISHED GRADE INCLUDING DRIP EDGE, VERTICAL FACES OF THE PARAPET, AND THE TOP OF THE PARAPET.

FORMLINER COURSING ON PARAPETS SHALL BE PARALLEL TO TOP OF PARAPET.

LEGEND

▪ 18" RUBBERIZED MEMBRANE WATERPROOFING TO BE PLACED ON THESE SURFACE AT EACH JOINT.



RODENT SHIELD DETAIL

✳ DIMENSIONS ARE APPROXIMATE. THE GRATE IS SIZED TO FIT INTO A PIPE COUPLING. ORIENT SO SLOTS ARE VERTICAL.

THE RODENT SHIELD, PIPE COUPLING AND SCREWS SHALL BE CONSIDERED INCIDENTAL TO THE BID ITEM "PIPE UNDERDRAIN WRAPPED 6-INCH".

THE RODENT SHIELD SHALL BE A PVC GRATE SIMILAR TO THIS DETAIL. THE GRATE IS COMMERCIALLY AVAILABLE AS A FLOOR STRAINER. A PIPE COUPLING IS REQUIRED FOR THE ATTACHMENT OF THIS SHIELD TO THE EXPOSED END OF THE PIPE UNDERDRAIN. THE SHIELD SHALL BE FASTENED TO THE PIPE COUPLING WITH TWO OR MORE NO. 10 X 1-INCH STAINLESS STEEL SHEET METAL SCREWS.

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STRUCTURE R-56-45

DRAWN BY CWG | PLANS CK'D KGW

TYPICAL SECTION & GENERAL NOTES

SHEET 2 OF 7

1043

SCALE =

8

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STATE PROJECT NUMBER

6145-01-72

WALL EXTERNAL & OVERALL STABILITY EVALUATION

DIMENSIONS	
	MSE
WALL HEIGHT (FEET)	10.3
EXPOSED WALL HEIGHT (FEET)	8.8
BORING LOCATION USED	B-22
APPROXIMATE WALL STATION	11+00
BACK SLOPE ABOVE WALL	0°
CAPACITY TO DEMAND RATIO (CDR)	
SLIDING (CDR > 1.0)	1.4
ECCENTRICITY (CDR > 1.0)	1.3
OVERALL STABILITY (CDR > 1.0)	2.9
BEARING RESISTANCE (CDR > 1.0)[1.]	7.5
FACTORED BEARING RESISTANCE (PSF)[1.]	21,070

NOTES:
1. ASSUMING 5'-0" BOTTOM BLOCK WIDTH & 6'-0" LEVELING PAD WIDTH.

SOIL PARAMETERS

SOIL DESCRIPTION	FRICTION ANGLE (DEGREES)	COHESION (PSF)	UNIT WEIGHT (PCF)
GRANULAR BACKFILL BEHIND THE WALL/IN THE REINFORCING ZONE	30	--	120
DESIGN WALL VALUES			
SAND SP DEPTH 0 FEET TO 6 FEET	36	--	125
SAND SP DEPTH 6 FEET TO 18 FEET	39	--	135
SAND SP DEPTH 18 FEET TO 25+ FEET	39	--	70
BOR-20 - STA. 671+84.53 - 51.3' LT OF R/L NB PGL USH 12			
POORLY GRADED SAND SP EL. 881.7 TO EL. 878.7	--	--	--
WEATHERED SANDSTONE EL. 878.7 TO EL. 864.1	--	--	--
BOR-21 - STA. 672+50.95 - 62.4' LT OF R/L NB PGL USH 12			
TOPSOIL EL. 886.6 TO EL. 886.4	--	--	--
WEATHERED SANDSTONE EL. 886.4 TO EL. 876.5	--	--	--
BOR-22 - STA. 673+46.31 - 59.5' LT OF R/L NB PGL USH 12			
TOPSOIL EL. 887.6 TO EL. 887.3	--	--	--
WEATHERED SANDSTONE EL. 887.3 TO EL. 876.9	--	--	--
BOR-26 - STA. 674+71.76 - 65.4' LT OF R/L NB PGL USH 12			
ASPHALT & AGGREGATE BASE COURSE EL. 887.5 TO EL. 886.7	--	--	--
WEATHERED SANDSTONE EL. 880.2 TO EL. 873.0	--	--	--
BOR-27 - STA. 675+39.13 - 65.0' LT OF R/L NB PGL USH 12			
ASPHALT & AGGREGATE BASE COURSE EL. 889.2 TO EL. 888.2	--	--	--
WEATHERED SANDSTONE EL. 888.2 TO EL. 870.6	--	--	--
BOR-28 - STA. 678+73.26 - 57.5' LT OF R/L NB PGL USH 12			
ASPHALT & AGGREGATE BASE COURSE EL. 884.2 TO EL. 883.2	--	--	--
WEATHERED SANDSTONE EL. 883.2 TO EL. 865.6	--	--	--

GEOMETRY TABLE

WALL STATION	ROADWAY STATION	OFFSET TO WALL R/L	TOP OF WALL EL.	FINISHED GRADE EL.
10+00.00	671+52.54	51.00' LT	878.19	878.19
10+25.00	671+77.54	51.00' LT	883.49	878.78
10+50.00	672+02.54	51.00' LT	885.53	879.36
10+75.00	672+27.54	51.00' LT	886.24	879.94
11+00.00	672+52.54	51.00' LT	886.95	880.46
11+25.00	673+77.54	51.00' LT	887.66	880.90
11+50.00	673+02.54	51.00' LT	888.66	881.28
11+75.00	673+27.54	51.00' LT	889.66	881.60
12+00.00	673+52.54	51.00' LT	890.66	881.84
12+25.00	673+77.54	51.00' LT	891.66	882.02
12+50.00	674+02.54	51.00' LT	892.66	882.13
12+75.00	674+27.54	51.00' LT	893.66	882.18
13+00.00	674+52.54	51.00' LT	887.66	882.15
13+25.00	674+77.54	51.00' LT	888.33	882.06
13+50.00	675+02.54	51.00' LT	889.00	881.90
13+75.00	675+27.54	51.00' LT	889.12	881.68
14+00.00	675+52.54	51.00' LT	889.25	881.39
14+25.00	675+77.54	51.00' LT	889.37	881.03
14+50.00	676+02.54	51.00' LT	888.43	880.60
14+75.00	676+27.54	51.00' LT	887.48	880.10
15+00.00	676+52.54	51.00' LT	886.54	879.54
15+25.00	676+77.54	51.00' LT	886.54	878.91
15+50.00	677+02.54	51.00' LT	882.76	878.21
15+75.00	676+27.54	51.00' LT	880.26	877.45
15+87.76	676+40.30	51.00' LT	878.69	877.03
15+95.17	676+40.00	51.00' LT	876.78	876.78

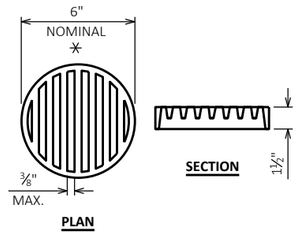
BENCH MARK

NO.	STATION	OFFSET	DESCRIPTION	EL.
BM10	670+81.82	32.72' LT	GEAR SPIKE IN EAST FACE OF PP#13-6-16.1 WEST SIDE OF WISCONSIN DELLS PARKWAY ACROSS FROM BUILDING #1570	876.27

TOTAL ESTIMATED QUANTITIES

	BID ITEM NUMBER	BID ITEMS	UNIT	TOTALS
	502.3210	PIGMENTED SURFACE SEALER	SY	298
	504.0500	CONCRETE MASONRY RETAINING WALLS	CY	364
	505.0600	BAR STEEL REINFORCEMENT HS COATED STRUCTURES	LB	38,640
	513.7016	RAILING STEEL TYPE C3	LF	594
	516.0500	RUBBERIZED MEMBRANE WATERPROOFING	SY	39
	517.1050.S.01	ARCHITECTURAL SURFACE TREATMENT R-56-45	SF	2,378
	612.0206	PIPE UNDERDRAIN UNPERFORATED 6-INCH	LF	85
	612.0406	PIPE UNDERDRAIN WRAPPED 6-INCH	LF	596
⁑⁑	SPV.0165.010	ANTI-GRAFFITI COATING	SF	8,684
	SPV.0165.026	WALL MODULAR BLOCK MECHANICALLY STABILIZED EARTH R-56-45	SF	4,468
		NON-BID ITEMS		
		EXPANDED POLYSTYRENE	SIZE	1"
		FILLER	SIZE	½"
		NAME PLATE	EACH	1

ALL ITEMS ARE CATEGORY 0090
⁑⁑ ITEM INCLUDED IN CATEGORY 0040



RODENT SHIELD DETAIL

⁑ DIMENSIONS ARE APPROXIMATE. THE GRATE IS SIZED TO FIT INTO A PIPE COUPLING. ORIENT SO SLOTS ARE VERTICAL.

THE RODENT SHIELD, PIPE COUPLING AND SCREWS SHALL BE CONSIDERED INCIDENTAL TO THE BID ITEM "PIPE UNDERDRAIN WRAPPED 6-INCH".

THE RODENT SHIELD SHALL BE A PVC GRATE SIMILAR TO THIS DETAIL. THE GRATE IS COMMERCIALLY AVAILABLE AS A FLOOR STRAINER. A PIPE COUPLING IS REQUIRED FOR THE ATTACHMENT OF THIS SHIELD TO THE EXPOSED END OF THE PIPE UNDERDRAIN. THE SHIELD SHALL BE FASTENED TO THE PIPE COUPLING WITH TWO OR MORE NO. 10 X 1-INCH STAINLESS STEEL SHEET METAL SCREWS.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE R-56-45

DRAWN BY CWG | PLANS CK'D KGW

QUANTITIES & GEOMETRY

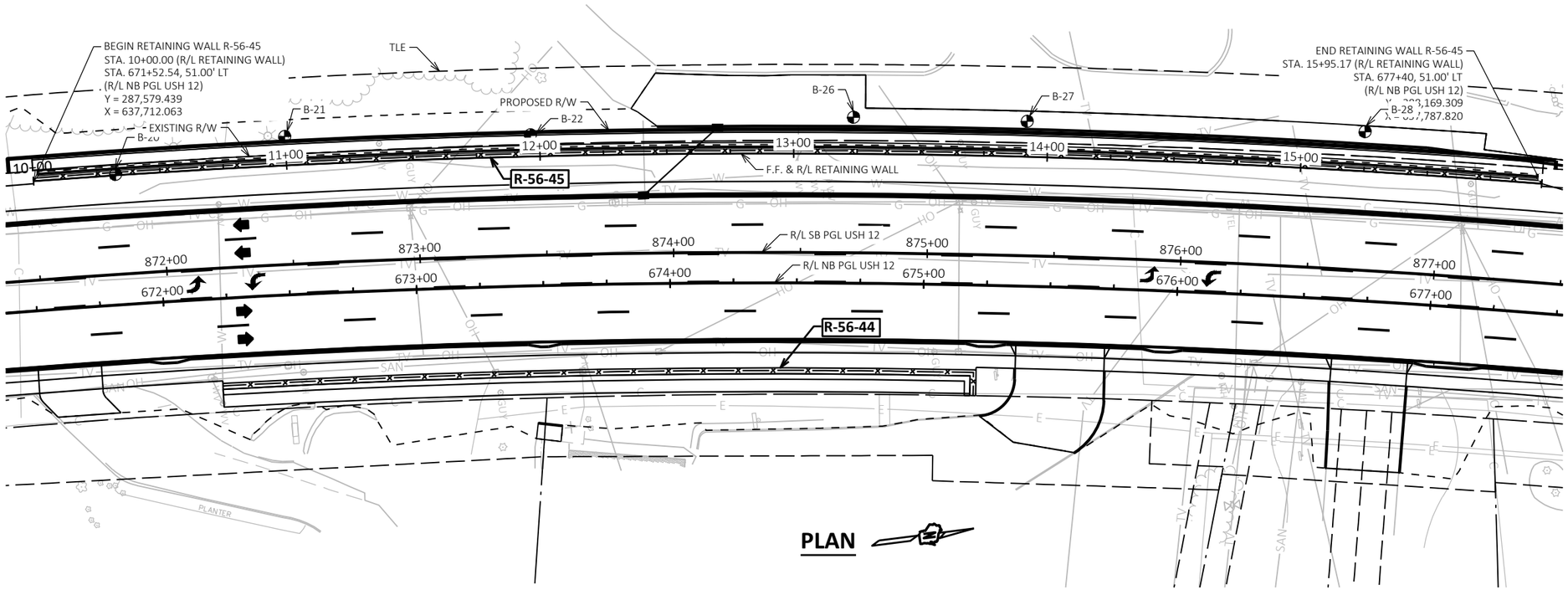
SHEET 3 OF 7
1044

SCALE =

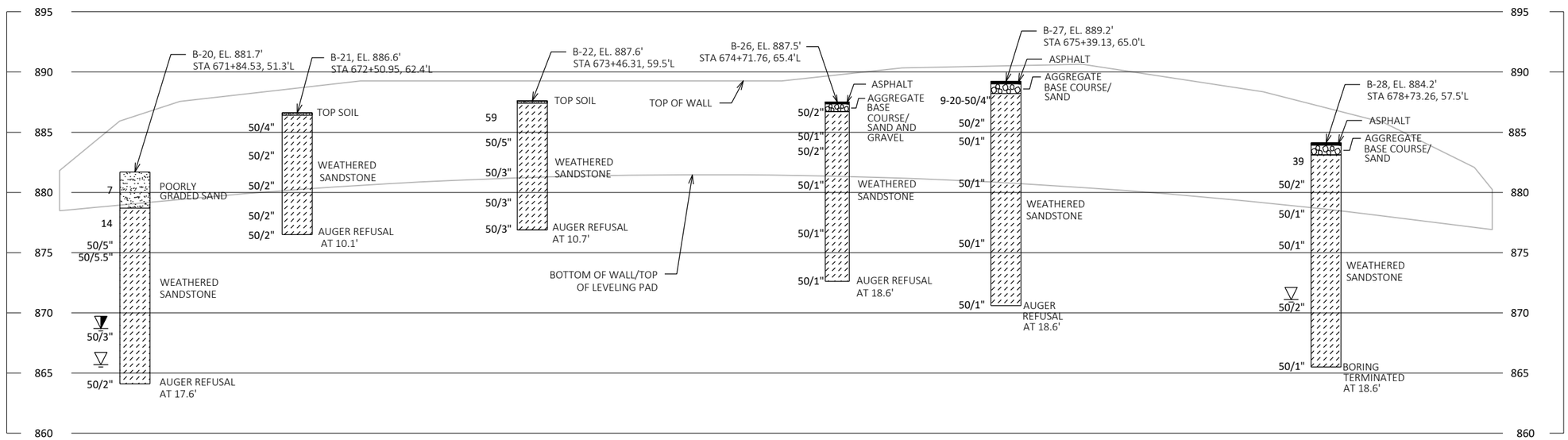
8

8

BORING #	DATE COMPLETED	NORTHING (Y)	EASTING (X)
B-20	05-11-2023	287611.84	637713.52
B-21	05-11-2023	287679.84	637707.05
B-22	05-11-2023	287776.07	637718.60
B-26	05-05-2023	287903.36	637727.76
B-27	05-05-2023	287971.12	637737.95
B-28	05-05-2023	288102.79	637758.76
BORINGS COMPLETED BY: CS DRILLING, INC.			
REPORT COMPLETED BY: TERRACON			
ALL COORDINATES REFERENCED TO (WISCRS), SAUK COUNTY NAD 83 (2007), IN U.S. SURVEY FEET			



PLAN



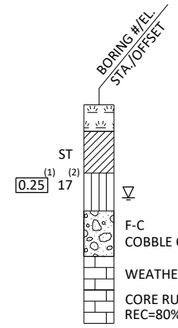
STATE PROJECT NUMBER

6145-01-72

MATERIAL SYMBOLS

ASPHALT, TOPSOIL, PEAT, CONCRETE, FILL, GRAVEL, SAND, CLAY, SILT, BOULDERS OR COBBLES, LIMESTONE, BEDROCK (UNKNOWN), SHALE, SANDSTONE, IGNEOUS/ META

LEGEND OF BORING



(1) UNCONFINED STRENGTH, AS DETERMINED BY A POCKET PENETROMETER (TSF)

(2) UNLESS OTHERWISE, SPECIFIED THE SPT 'N' VALUE IS BASED ON AASHTO T-206, STANDARD PENETRATION TEST. THE SPT 'N' VALUE PRESENTED HAS NOT BEEN CORRECTED FOR OVERBURDEN PRESSURE OR HAMMER EFFICIENCY.

GROUND WATER ELEVATION

AT TIME OF DRILLING
END OF DRILLING
AFTER DRILLING

ABBREVIATIONS

F-FINE M-MEDIUM C-COARSE ST-SHELBY TUBE

SUBSURFACE EXPLORATION FOR FOUNDATION DESIGN AND BIDDERS INFORMATION

BORINGS WERE COMPLETED AT POINTS APPROXIMATELY AS INDICATED ON THIS DRAWING TO OBTAIN INFORMATION CONCERNING THE CHARACTER OF SUBSURFACE MATERIALS FOUND AT THE SITE. BECAUSE THE INVESTIGATED DEPTHS ARE LIMITED AND THE AREA OF THE BORINGS IS VERY SMALL IN RELATION TO THE ENTIRE SITE, THE WISCONSIN DEPARTMENT OF TRANSPORTATION DOES NOT WARRANT SIMILAR SUBSURFACE CONDITIONS BELOW, BETWEEN, OR BEYOND THESE BORINGS. VARIATIONS IN SOIL CONDITIONS SHOULD BE EXPECTED AND FLUCTUATIONS IN GROUNDWATER LEVELS MAY OCCUR.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

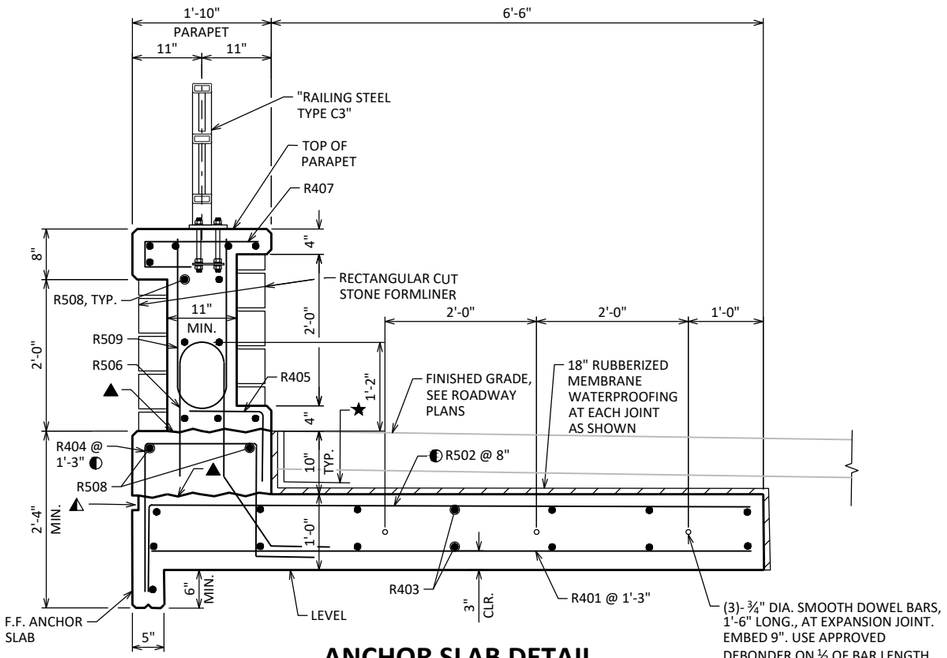
STRUCTURE R-56-45

DRAWN BY CWG | PLANS CK'D KGW

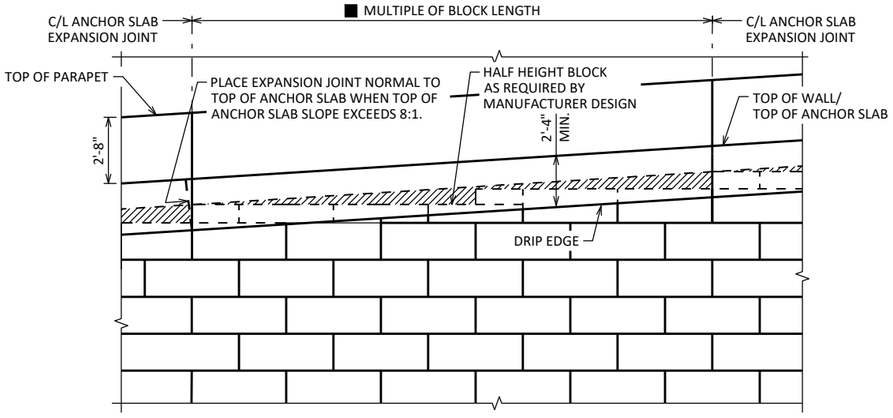
SUBSURFACE EXPLORATION

SHEET 4 OF 7
1045

SCALE =



ANCHOR SLAB DETAIL



CAST-IN-PLACE ANCHOR SLAB/PARAPET PARTIAL ELEVATION

LOOKING AT F.F. OF WALL
RAILING NOT SHOWN FOR CLARITY

BILL OF BARS

NOTE: THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE.

BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION
R401	X	505	8'-0"			ANCHOR SLAB BOTTOM TRANS.
◐ R502	X	921	9'-0"	X		ANCHOR SLAB TOP TRANS.
R403	X	15	594'-10"			ANCHOR SLAB LONGITUDINAL
◐ R404	X	505	5'-3"	X		ANCHOR SLAB VERTICAL
R405	X	753	1'-9"	X		PARAPET BOTTOM
R506	X	753	6'-2"	X		PARAPET VERTICAL
R407	X	753	2'-8"	X		PARAPET TOP
R508	X	14	594'-10"			PARAPET LONGITUDINAL
R509	X	753	4'-9"	X		PARAPET VERTICAL

R403 & R508 BAR LENGTH SHOWN FOR QUANTITY PURPOSES ONLY.
IF FIELD CUTTING IS REQUIRED, TOUCH UP CUT ENDS WITH AN EPOXY COATING

NOTES

ALL BAR STEEL SHALL BE EPOXY COATED.

LAP R403 A MINIMUM OF 1'-0". LAP R508 A MINIMUM OF 1'-9".

FORMLINER COURSING ON PARAPETS SHALL BE PARALLEL TO TOP OF PARAPET.

LEGEND

✳ SEAL ALL EXPOSED HORIZ. & VERT. SURFACES OF FILLER WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD ⅛" BELOW SURFACE OF CONC.)

◭ PROVIDE RUSTICATION IF OPT. CONST. JOINT IS USED.

▲ OPTIONAL CONSTRUCTION JOINT. LEAVE SURFACE ROUGHENED

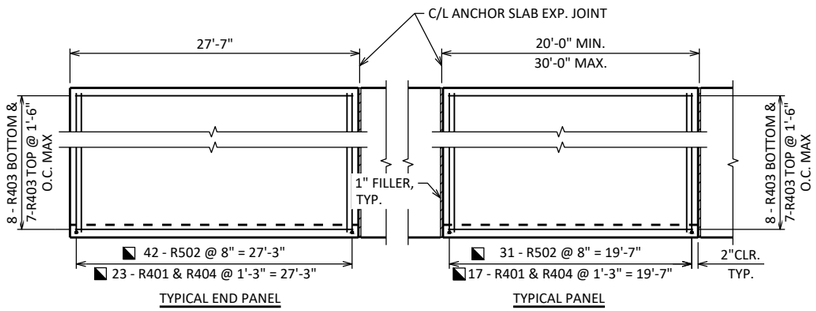
■ ANCHOR SLAB EXPANSION JOINTS TO BE SPACED AT A MINIMUM OF 20' AND A MAXIMUM OF 30'. DO NOT RUN BAR STEEL THRU JOINT, EXCEPT FOR DOWEL BARS. JOINT TO EXTEND FULL DEPTH OF PARAPET & ANCHOR SLAB. ALL EXPANSION JOINTS MUST COINCIDE WITH A BLOCK JOINT ON THE FRONT FACE OF WALL.

◐ ADJUST REBAR VERTICAL LEG AS REQUIRED TO ACCOMMODATE WALL BLOCK GEOMETRY/STEPS TO MAINTAIN 2" CLEAR COVER.

◪ REBAR QUANTITIES/END PANEL LENGTH SHOWN USES A TYPICAL ANCHOR SLAB EXPANSION JOINT SPACING OF 20'-0".

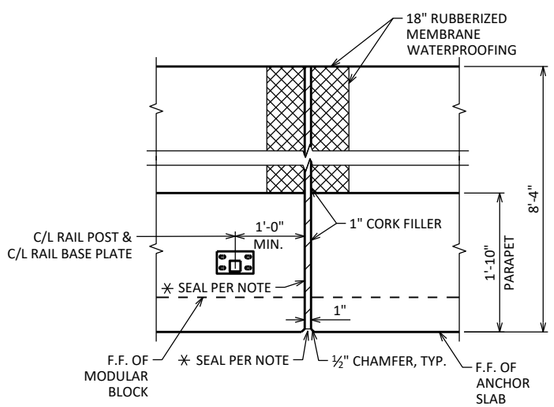
▨ ANCHOR SLAB CONCRETE REQUIRED TO ACCOMMODATE WALL BLOCK GEOMETRY/STEPS SHALL BE INCIDENTAL TO BID ITEM "WALL MODULAR BLOCK MECHANICALLY STABILIZED EARTH R-56-45".

★ IF OPT. CONST. JOINT IS USED, PLACE 18" MEMBRANE WATERPROOFING ALONG THE ENTIRE LONGITUDINAL JOINT. THE MEMBRANE WATERPROOFING SEALING THE OPTIONAL CONST. JOINT IS INCIDENTAL TO THE CONCRETE MASONRY BID ITEM.

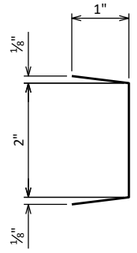


ANCHOR SLAB PLAN

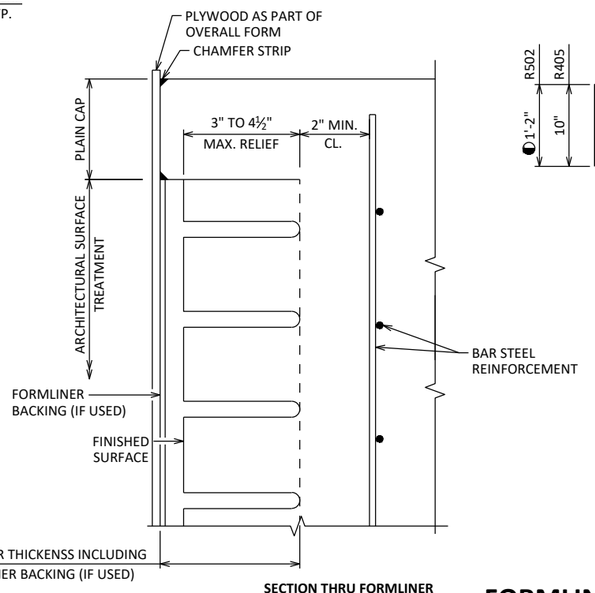
PANEL LENGTH MEASURED ALONG R/L
PARAPET/RAILING NOT SHOWN FOR CLARITY



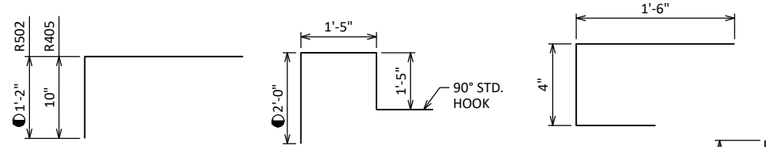
■ ANCHOR SLAB EXPANSION JOINT DETAIL



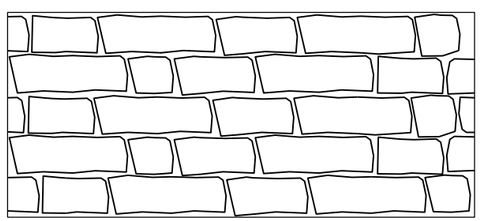
◭ RUSTICATION DETAIL



SECTION THRU FORMLINER



R502, R405 | R404 | R407 | R506 | R509



RECTANGULAR CUT STONE

FORMLINER THICKNESS = 4" TO 5½"
COURSE HEIGHT = ±2"
MAX RELIEF = 3" TO 4½"

FORMLINER DETAILS

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-56-45

DRAWN BY CWG | PLANS CK'D WAR

ANCHOR SLAB DETAIL

SHEET 5 OF 7
1046

8

8

STATE PROJECT NUMBER

6145-01-72

NOTES

ALL BAR STEEL SHALL BE EPOXY COATED.

LAP R403 A MINIMUM OF 1'-0".

SEE SHEET 7 FOR MATERIAL PROPERTIES.

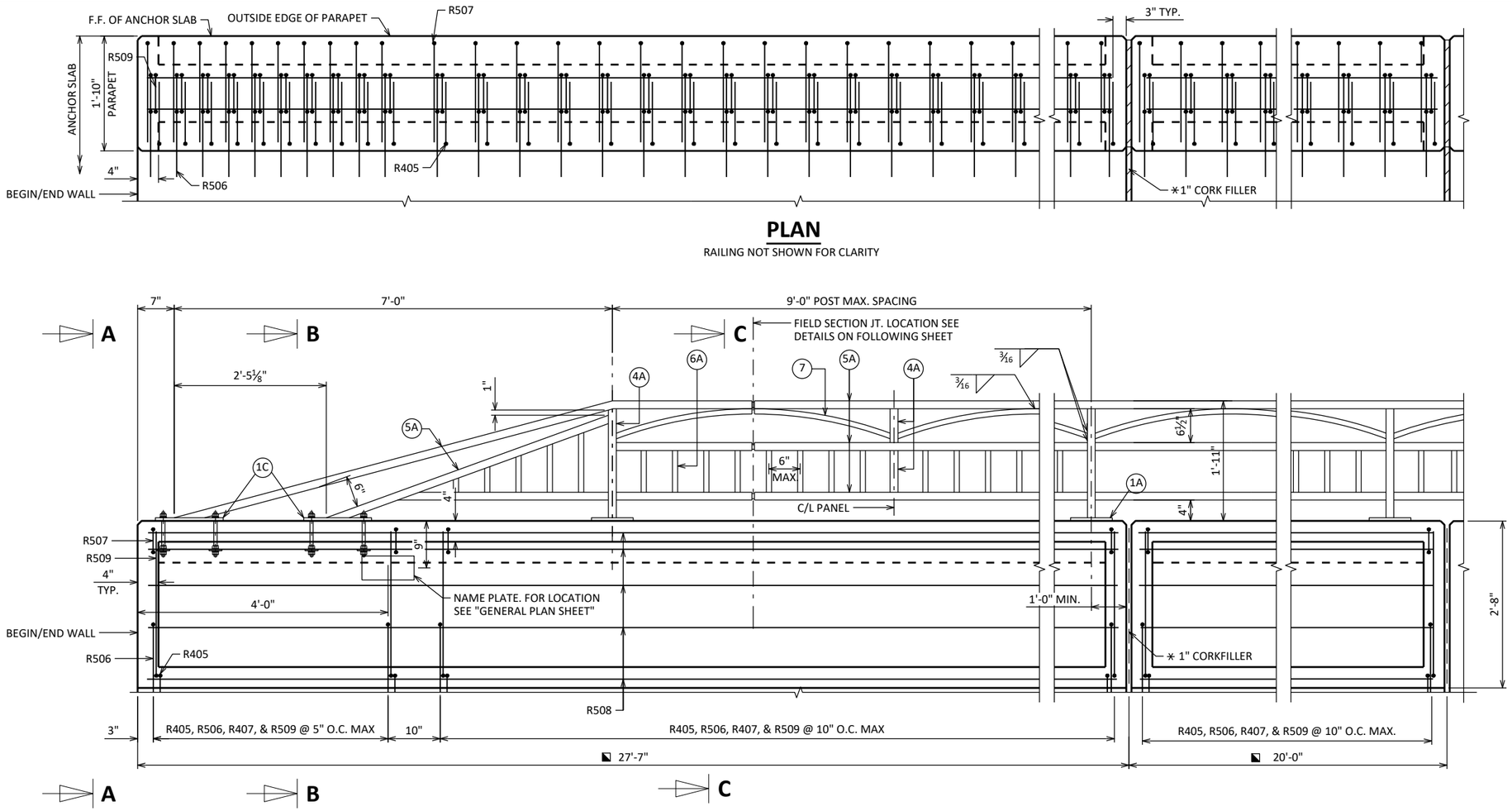
FORMLINER COURSING ON PARAPETS SHALL BE PARALLEL TO TOP OF PARAPET.

LEGEND

∗ SEAL ALL EXPOSED HORIZ. & VERT. SURFACES OF FILLER WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD ⅛" BELOW SURFACE OF CONC.)

▲ HORIZ. CONST. JOINT-STRIKE OFF AS SHOWN AND LEAVE.

◪ REBAR QUANTITIES/END PANEL LENGTH SHOWN USE OF TYPICAL ANCHOR SLAB EXPANSION JOINT SPACING OF 20'-0".

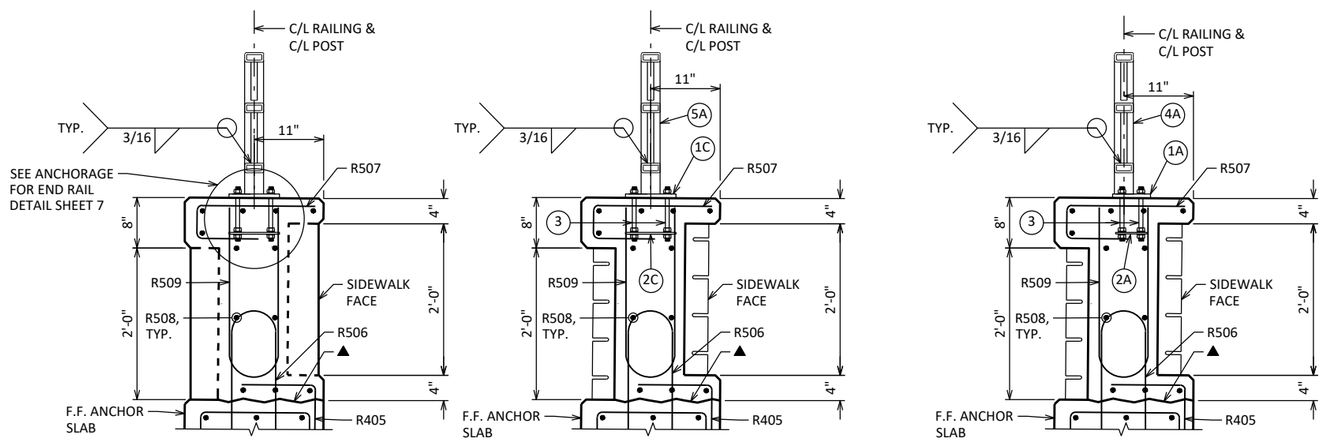


PLAN

RAILING NOT SHOWN FOR CLARITY

ELEVATION OF PARAPET

LOOKING AT INSIDE FACE OF PARAPET
OUTSIDE FACE SIMILAR



SECTION A-A

SECTION B-B

SECTION C-C

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE R-56-45

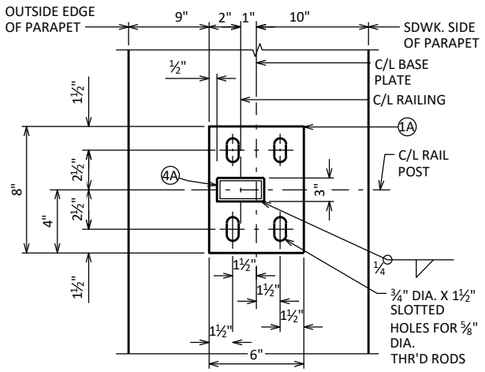
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COMBINATION RAILING TYPE 'C3'

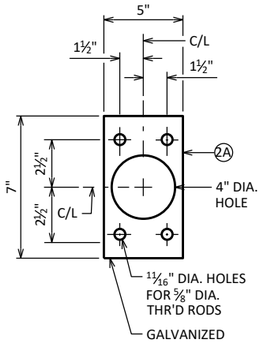
SHEET 6 OF 7
1047

8

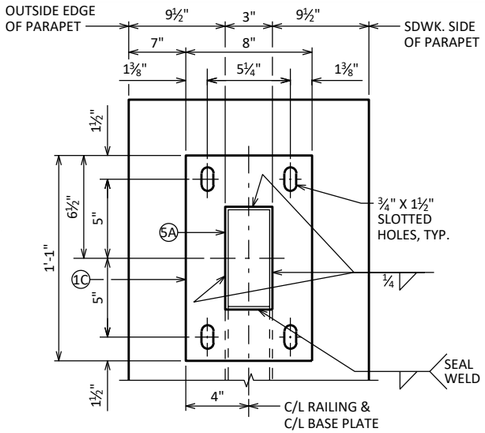
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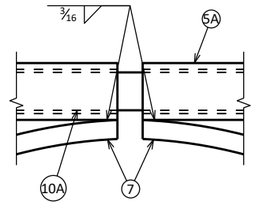
TYPICAL RAIL POST BASE PLATE



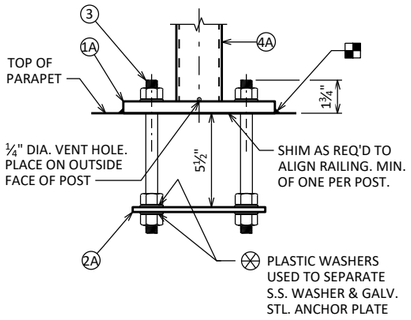
ANCHOR PLATE



END RAIL BASE PLATE

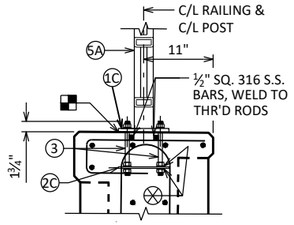


CURVED MEMBER JOINT DETAIL



ANCHORAGE FOR RAIL POSTS

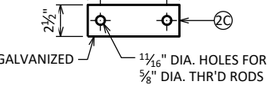
NOTE: ANCHOR PLATE NOT REQUIRED WHEN ADHESIVE ANCHORS ARE USED.



ANCHORAGE FOR END RAIL

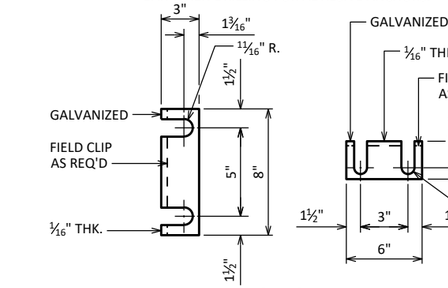
NOTE: ANCHOR PLATE NOT REQUIRED WHEN ADHESIVE ANCHORS ARE USED.

◐ WHEN ADHESIVE ANCHORS ARE USED, FIELD BEND AND/OR DISPLACE TO AVOID HITTING LONGITUDINAL BAR WHEN DRILLING FOR ADHESIVE ANCHORS.



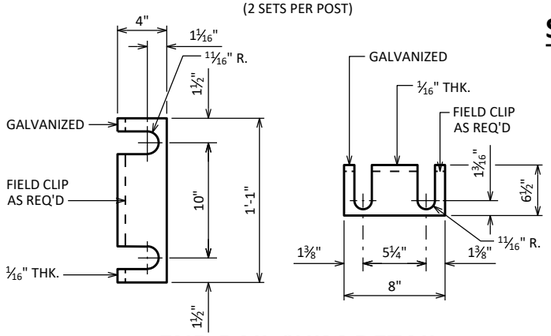
END RAIL ANCHOR PLATE

2 REQ'D. PER END RAIL BASE PLATE



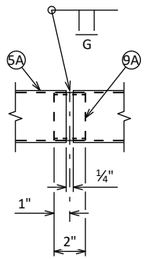
RAIL POST SHIM DETAIL

(2 SETS PER POST)



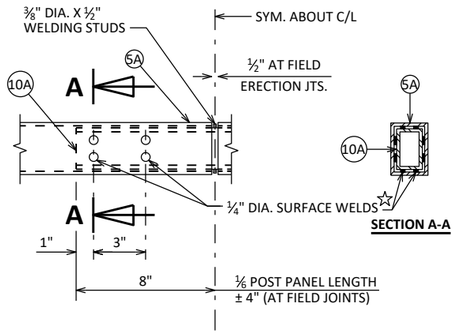
END RAIL SHIM DETAIL

(2 SETS PER POST)



SHOP RAIL SPLICE DETAIL

(LOCATION MUST BE SHOWN ON SHOP DRAWINGS)



FIELD ERECTION JOINT DETAIL

☆ MIN. ⅝" FLAT SURFACE DIA. PUNCHINGS OR STUDS MAY BE USED AS AN ALTERNATE.

LEGEND

(1A) PLATE ⅝" X 6" X 8" WITH ¾" X 1½" SLOTTED HOLES.

(1C) PLATE ⅝" X 8" X 1'-1" WITH ¾" X 1½" SLOTTED HOLES.

(2A) ¼" X 5" X 7" ANCHOR PLATE WITH 1 1/16" DIA. HOLES FOR THR'D RODS NO. 3.

(2C) ¼" X 2½" X 7¼" ANCHOR PLATE WITH 1 1/16" DIA. HOLES FOR THR'D RODS NO. 3.

(3) ⅝" DIA. X 9" LONG, TYPE 316 STAINLESS STEEL THREADED RODS (MIN. TENSILE STRENGTH = 70 KSI) WITH NUT AND WASHERS OF SAME ALLOY GROUP. ALTERNATIVE ANCHORAGE: CONCRETE ADHESIVE ANCHORS ⅝-INCH. EMBED 7" IN CONCRETE FOR RAIL POSTS. EMBED 5" IN CONCRETE FOR END RAILS. ADHESIVE ANCHORS SHALL CONFORM TO SECTIONS 502.2.12 OF THE STANDARD SPECIFICATIONS.

(4A) STRUCTURAL TUBING 3" X 1½" X 3/16". PLACE VERTICAL. WELD TO NO. 1 & 5.

(5A) STRUCTURAL TUBING 3" X 1½" X 3/16" RAILS. WELD TO NO. 1 & NO. 4. INSIDE OF TUBE TO BE PAINTED AT ALL FIELD ERECTION & EXPANSION JOINTS.

(6A) BAR 1" X 1" PICKETS. WELD TO NO. 5. PLACE VERTICAL.

(7) BAR 1" X 1". BEND TO REQUIRED RADIUS. WELD TO NO. 4 & 5.

(9A) RECTANGULAR SLEEVE FABRICATED FROM 3/16" PLATES. PROVIDE "SLIDING FIT".

(10A) RECTANGULAR SLEEVE FABRICATED FROM 3/16" PLATES. (1'-4" @ FIELD ERECTION JTS.)

RAILING NOTES

BID ITEM SHALL BE "RAILING STEEL TYPE C3", WHICH SHALL INCLUDE ALL STEEL ITEMS SHOWN.

POST BASE PLATES SHALL BE FLAT WITH ALL SURFACES SMOOTH AND FREE FROM WARP AND ALL EDGES SMOOTH, STRAIGHT, AND VERTICAL. ALL PLATE CUTS SHALL BE MACHINE OR MACHINE FLAME CUT.

ALL PLATES, BARS, AND RECTANGULAR SLEEVES SHALL CONFORM TO ASTM A709 GRADE 36. ALL STRUCTURAL TUBING SHALL CONFORM TO ASTM A500 GRADE B.

ANCHORAGES SHALL BE ACCURATELY PLACED TO PROVIDE CORRECT ALIGNMENT OF RAILING. SET NORMAL TO GRADE.

CUT BOTTOM OF POST TO MAKE POST VERTICAL IN BOTH TRANSVERSE AND LONGITUDINAL DIRECTION.

STEEL SHIMS SHALL BE PROVIDED & USED UNDER BASE PLATES WHERE REQUIRED FOR ALIGNMENT, AND SHALL BE GALVANIZED.

◪ CAULK AROUND PERIMETER OF BASE PLATES, NO. 1, AND FILL BOLT SLOT OPENINGS IN SHIMS AND BASE PLATES WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER.

ALL JOINTS AND RECESSES IN CONCRETE PARAPET AND ANCHOR SLAB ARE TO BE VERTICAL.

ALL MATERIAL (EXCEPT NO. 3 & 12) SHALL BE GALVANIZED AFTER FABRICATION. PRIOR TO GALVANIZING, THE STEEL RAILING SHALL BE GIVEN A NO. 6 BLAST CLEANING PER SSPC SPECIFICATIONS. PAINT OVER GALVANIZING WITH AN APPROVED TIE COAT AND TOP COAT AS SPECIFIED IN THE CONTRACT DOCUMENTS. THE RAILING SHALL BE PAINTED AMS STD. COLOR NO. 27038 BLACK

VENT HOLES SHALL BE DRILLED IN POST AND RAIL MEMBERS AS REQUIRED TO FACILITATE GALVANIZING AND DRAINAGE.

RAILING SHALL BE FABRICATED IN LENGTHS THAT INCLUDE 3 OR 4 POSTS.

TOUCH-UP PAINTING TO BE DONE AT COMPLETION OF STEEL RAILING INSTALLATION TO THE SATISFACTION OF THE ENGINEER AT NO EXTRA COST.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE R-56-45

DRAWN BY CWG | PLANS CK'D KGW

COMBINATION RAIL TYPE 'C3' DETAILS

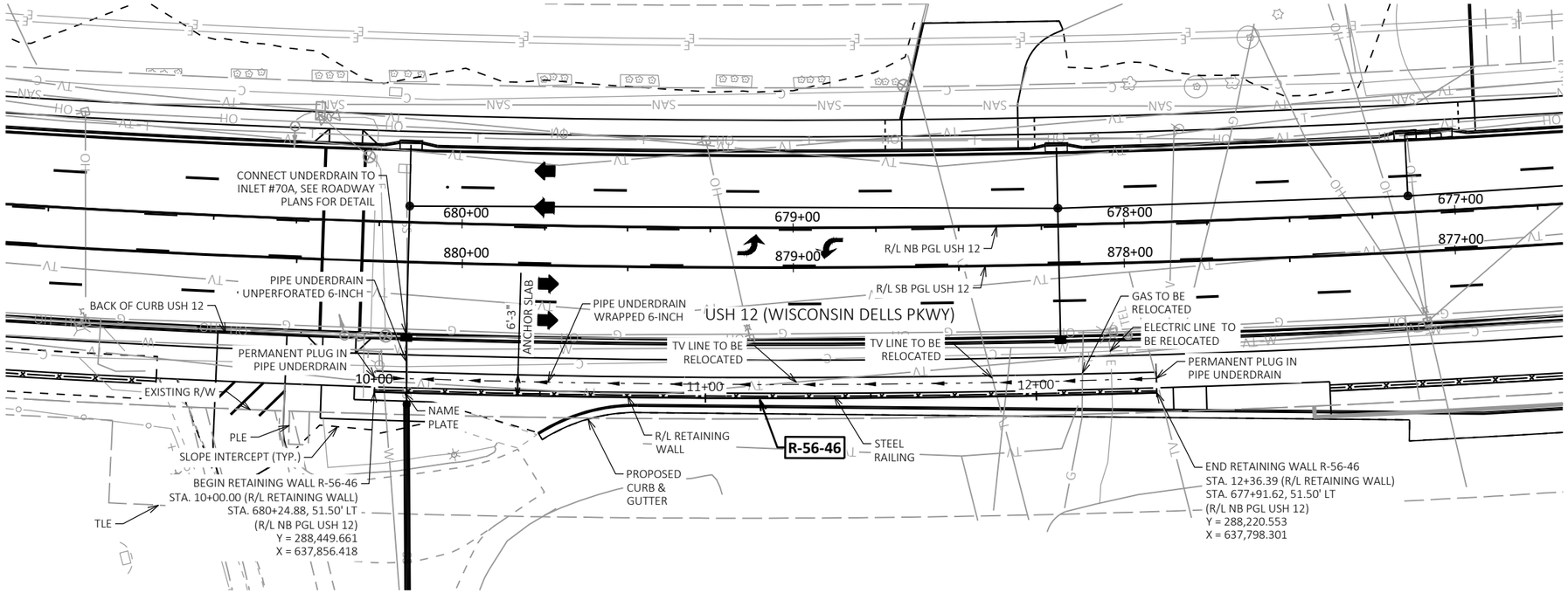
SHEET 7 OF 7
1048

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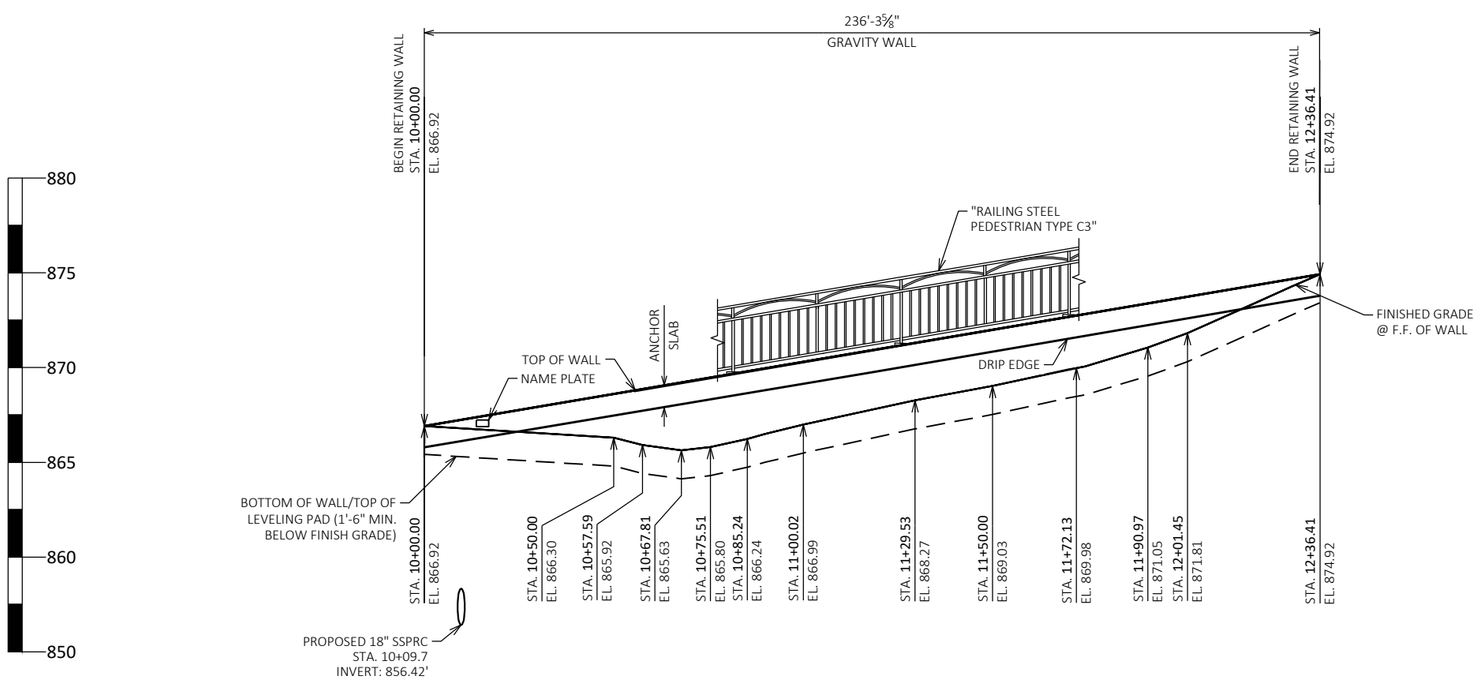
STATE PROJECT NUMBER

6145-01-72



PLAN

GRAVITY WALL WITH WET CAST BLOCK FACING



ELEVATION

LOOKING EAST (DIMENSIONS AND STATIONS GIVEN ALONG FRONT FACE OF WALL)

DESIGN DATA

THE CONTRACTOR SHALL PROVIDE COMPLETE DESIGN, PLANS, DETAILS, SPECIFICATIONS, AND SHOP DRAWINGS FOR THE RETAINING WALLS IN ACCORDANCE WITH THE SPECIAL PROVISIONS. THE RETAINING WALL MANUFACTURER SHALL PROVIDE TECHNICAL ASSISTANCE TO THE CONTRACTOR DURING CONSTRUCTION. THE COST OF FURNISHING THESE ITEMS SHALL BE INCLUDED IN THE BID ITEM "WALL MODULAR BLOCK GRAVITY R-56-46".

PLANS, ELEVATIONS, AND DETAILS SHOWN ON THESE DRAWINGS ARE INTENDED TO INDICATE WALL LOCATIONS, LENGTHS, HEIGHTS, AND DETAILS COMMON TO THE WALL SYSTEM SELECTED. THE CONTRACTOR SHALL VERIFY THAT THE WALL SYSTEM SELECTED WILL CONFORM TO THE REQUIRED ALIGNMENTS AND DETAILS.

THE RETAINING WALL IS TO BE DESIGNED USING THE ELEVATIONS GIVEN ON THIS SHEET.

DESIGN RETAINING WALL FOR A LIVE LOAD SURCHARGE OF 240 PSF.

THE MAXIMUM VALUE OF THE ANGLE OF INTERNAL FRICTION OF THE WALL BACKFILL MATERIAL SHALL BE ASSUMED TO BE 30° WITHOUT CERTIFIED TEST VALUES.

MATERIAL PROPERTIES:

CONCRETE MASONRY:
ANCHOR SLAB & PARAPET — f'_c = 4,000 PSI

BAR STEEL REINFORCEMENT
GRADE 60 — f_y = 60,000 PSI

LIVE LOAD:

LIVE LOAD SURCHARGE: 240 PSF

ALLOWABLE WALL SYSTEMS

WALL MODULAR BLOCK GRAVITY

TRAFFIC DATA

USH 12
ADT = 21,900 (2045)
R.D.S. = 40 MPH

LIST OF DRAWINGS

1. GENERAL PLAN & ELEVATION
2. TYPICAL SECTION & GENERAL NOTES
3. SUBSURFACE EXPLORATION
4. ANCHOR SLAB & RAILING ELEVATION
5. PEDESTRIAN RAIL TYPE 'C3'

CURVE DATA

P.I. = 683+03.01
Δ = 36°27'49"
D = 1°29'49"
T = 1260.73'
L = 2435.77'
R = 3827.35'
S.E. = 2.0%
P.C. = 670+42.28
P.T. = 694+78.05

WISCONSIN
WYATT ROZMENOSKI
47659
MILWAUKEE, WI
PROFESSIONAL ENGINEER

Wyatt A. Rozmenoski 7/22/2025

STRUCTURE DESIGN CONTACTS:
CONSULTANT CONTACT: WYATT ROZMENOSKI (414) 259-1500
BOS CONTACT: AARON BONK (608) 261-0261

NO.	DATE	REVISION	BY

GRAEF
275 W. Wisconsin Avenue
Suite 300
Milwaukee, WI 53203
414 / 259 1500
414 / 259 0037 fax
www.graef-usa.com

STATE OF WISCONSIN DEPARTMENT OF TRANSPORATION

ACCEPTED JJR 07/22/25
CHIEF STRUCTURES DESIGN ENGINEER — DATE

STRUCTURE R-56-46

USH 12 (WISCONSIN DELLS PARKWAY)

COUNTY	VILLAGE
SAUK	LAKE DELTON

DESIGN SPEC.
AASHTO LRFD BRIDGE DESIGN SPECIFICATION

DESIGNED BY	DESIGNED CK'D	DRAWN BY	PLANS CK'D
CWG	WAR	CWG	KGW

GENERAL PLAN & ELEVATION

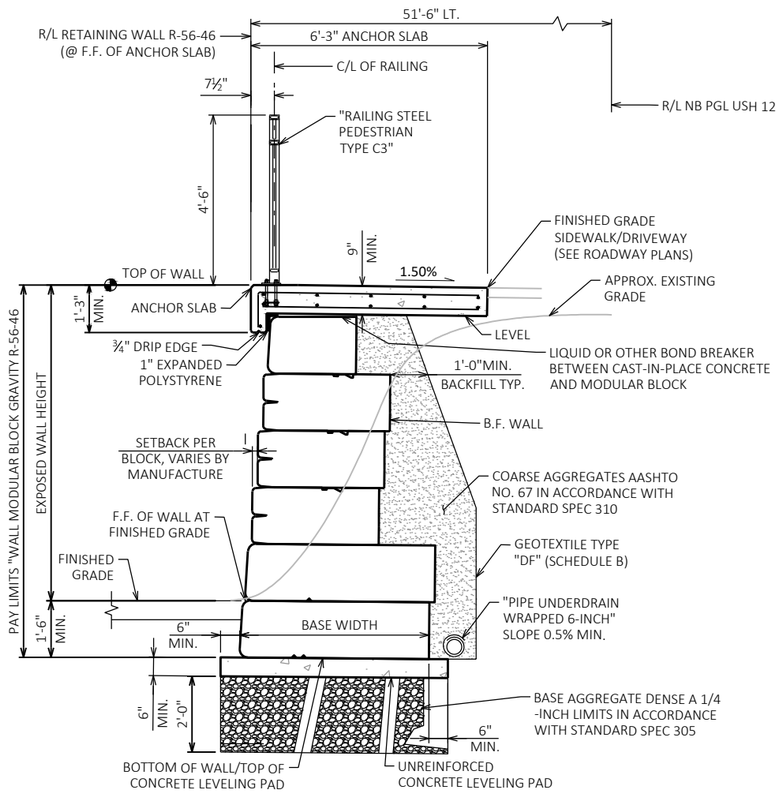
SHEET 1 OF 5
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SCALE =

I.D. 6145-01-02 DATE: 2023

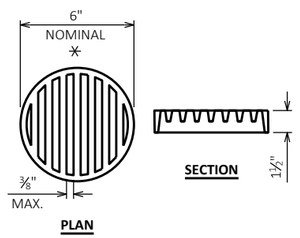
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WALL TYPICAL SECTION

GRAVITY WALL WITH WET CAST BLOCK FACING



RODENT SHIELD DETAIL

⁎ DIMENSIONS ARE APPROXIMATE. THE GRATE IS SIZED TO FIT INTO A PIPE COUPLING. ORIENT SO SLOTS ARE VERTICAL.

THE RODENT SHIELD, PIPE COUPLING AND SCREWS SHALL BE CONSIDERED INCIDENTAL TO THE BID ITEM "PIPE UNDERDRAIN WRAPPED 6-INCH".

THE RODENT SHIELD SHALL BE A PVC GRATE SIMILAR TO THIS DETAIL. THE GRATE IS COMMERCIALLY AVAILABLE AS A FLOOR STRAINER. A PIPE COUPLING IS REQUIRED FOR THE ATTACHMENT OF THIS SHIELD TO THE EXPOSED END OF THE PIPE UNDERDRAIN. THE SHIELD SHALL BE FASTENED TO THE PIPE COUPLING WITH TWO OR MORE NO. 10 X 1-INCH STAINLESS STEEL SHEET METAL SCREWS.

SOIL PARAMETERS

SOIL DESCRIPTION	FRICTION ANGLE (DEGREES)	COHESION (PSF)	UNIT WEIGHT (PCF)
GRANULAR BACKFILL BEHIND THE WALL	30	--	120
DESIGN WALL VALUES			
⬟ EXISTING FILL/SAND SP DEPTH 0 FEET TO 14 FEET	28	--	115
⬟ SILTY SAND SM DEPTH 14 FEET TO 21 FEET	30	--	120
BOR-31 - STA. 680+29.24 - 61.6' LT OF R/L NB PGL USH 12			
EXISTING FILL/ SILTY SAND SM EL. 864 TO EL. 861	--	--	--
EXISTING FILL/POORLY GRADED SAND SP EL. 861 TO 852	--	--	--
POORLY GRADED SAND EL. 852 TO 849	--	--	--
BOR-30 - STA. 678+73.26 - 57.5' LT OF R/L NB PGL USH 12			
EXISTING FILL/SILTY SAND SM EL. 868.2 TO EL. 862.7	--	--	--
EXISTING FILL/POORLY GRADED SAND SP EL. 862.7 TO EL. 856.2	--	--	--
POORLY GRADED SAND EL. 856.2 TO EL. 853.2	--	--	--
BOR-29 - STA. 678+73.26 - 57.5' LT OF R/L NB PGL USH 12			
EXISTING FILL/SILTY SAND WITH GRAVEL EL. 874.5 TO EL. 871.5	--	--	--
EXISTING FILL/SAND SP EL. 871.5 TO EL. 866.5	--	--	--
WEATHERED SANDSTONE EL. 866.5 TO EL. 859.5	--	--	--

⬟ DESIGN WALL FOR THESE VALUES

WALL EXTERNAL & OVERALL STABILITY EVALUATION

DIMENSIONS	
WALL HEIGHT (FEET)	5.7
EXPOSED WALL HEIGHT (FEET)	4.2
BORING LOCATION USED	B-31
APPROXIMATE WALL STATION	10+75
BACK SLOPE ABOVE WALL	0°
CAPACITY TO DEMAND RATIO (CDR)	
SLIDING (CDR > 1.0)	1.8
ECCENTRICITY (CDR > 1.0)	15.1
OVERALL STABILITY (CDR > 1.0)	1.8
BEARING RESISTANCE (CDR > 1.0)[2.]	3.0
FACTORED BEARING RESISTANCE (PSF)[2.]	3,037

NOTES:
1. ASSUMING 5'-0" BOTTOM BLOCK WIDTH & 6'-0" LEVELING PAD WIDTH.

TOTAL ESTIMATED QUANTITIES

BID ITEM NUMBER	BID ITEMS	UNIT	TOTALS
502.3200	PROTECTIVE SURFACE TREATMENT	SY	165
504.0500	CONCRETE MASONRY RETAINING WALLS	CY	43
505.0600	BAR STEEL REINFORCEMENT HS COATED STRUCTURES	LB	3,940
513.8016	RAILING STEEL PEDESTRIAN TYPE C3	LF	237
612.0206	PIPE UNDERDRAIN UNPERFORATED 6-INCH	LF	14
612.0406	PIPE UNDERDRAIN WRAPPED 6-INCH	LF	237
⁎⁎ SPV.0165.010	ANTI-GRAFFITI COATING	SF	883
SPV.0165.022	WALL MODULAR BLOCK GRAVITY R-56-46	SF	902
	NON-BID ITEMS		
	FILLER	SIZE	½"
	EXPANDED POLYSTYRENE	SIZE	1"
	NAME PLATE	EACH	1

ALL ITEMS ARE CATEGORY 0100
⁎⁎ ITEM INCLUDED IN CATEGORY 0040

BENCH MARK

NO.	STATION	OFFSET	DESCRIPTION	EL.
BM11	680+28.74	34.17' LT	GEAR SPIKE IN EAST FACE OF PP#13-6-16.1 SOUTH SIDE OF DRIVEWAY ENTRANCE TO HOTEL ROME, MT. OLYMPUS WEST SIDE OF WISCONSIN DELLS PARKWAY	867.53

GEOMETRY TABLE

WALL STATION	ROADWAY STATION	OFFSET TO WALL R/L	TOP OF WALL EL. (FT)	FINISHED GRADE EL. (FT)
10+00.00	680+24.88	51.50' LT	866.92	866.92
10+25.00	679+99.88	51.50' LT	867.78	865.14
10+50.00	679+74.88	51.50' LT	868.61	866.30
10+75.00	679+49.88	51.50' LT	869.46	865.80
11+00.00	679+24.88	51.50' LT	870.30	866.99
11+25.00	678+99.88	51.50' LT	871.15	868.07
11+50.00	678+74.88	51.50' LT	872.00	869.03
11+75.00	678+49.88	51.50' LT	872.84	870.09
12+00.00	678+24.88	51.50' LT	873.69	871.06
12+25.00	677+99.88	51.50' LT	874.53	873.05
12+36.36	677+91.62	51.50' LT	874.92	874.92

STATE PROJECT NUMBER

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GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

BEVEL EXPOSED EDGES OF CONCRETE ¾" UNLESS OTHERWISE NOTED.

BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2" CLEAR COVER UNLESS OTHERWISE SHOWN OR NOTED.

THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE.

THESE PLANS ARE FOR A MODULAR BLOCK GRAVITY RETAINING WALL.

COORDINATES ON THIS PLAN ARE REFERENCED TO THE WISCONSIN COORDINATE REFERENCE SYSTEM (WISCRS), SAUK COUNTY, NAD 83 (2007), ALL STATIONS AND ELEVATIONS ARE IN FEET. ELEVATIONS ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM NAVD 88 (2007).

DESIGN FOR RETAINING WALL TO PROVIDE FOR FINISHED GRADE SLOPED BEHIND WALL AS SHOWN ON THIS SHEET AND ROADWAY CROSS SECTIONS.

ALL STATIONS AND DIMENSIONS ARE ALONG THE FRONT FACE OF WALL AT FINISHED GRADE, UNLESS SHOWN OTHERWISE.

PLANS, DIMENSIONS AND QUANTITIES ARE BASED ON AN ASSUMED MODULAR BLOCK DEPTH OF 18 INCHES.

PRECAST MODULAR BLOCK TEXTURE SHALL BE COORDINATED WITH AND SELECTED BY THE VILLAGE FROM MANUFACTURER'S OPTIONS.

THE COST OF FURNISHING AND PLACING THE UNREINFORCED CONCRETE LEVELING PAD UNDER THE GRAVITY RETAINING WALL IS INCLUDED IN THE BID ITEM "WALL MODULAR BLOCK GRAVITY R-56-46".

THE PLAN QUANTITY FOR THE ITEM "WALL MODULAR BLOCK GRAVITY R-56-46" IS BASED ON A WALL HEIGHT MEASURED FROM THE TOP OF WALL TO A CONSTANT DEPTH OF 1'-6" BELOW FINISHED GRADE.

EXCAVATE 2'-0" BELOW LEVELING PAD AND BACKFILLED WITH BASE AGGREGATE DENSE 1 1/4-INCH. PROVIDING BASE AGGREGATE, EXCAVATION AND BACKFILLING SHALL BE INCIDENTAL TO BID ITEM "WALL MODULAR BLOCK GRAVITY R-56-46".

THE UTILITY INFORMATION SHOWN ON THESE DRAWINGS CONCERNING TYPE AND LOCATION OF UNDERGROUND UTILITIES IS NOT GUARANTEED TO BE ACCURATE OR ALL-INCLUSIVE. THE CONTRACTOR IS RESPONSIBLE FOR MAKING THEIR OWN DETERMINATIONS AS TO TYPE AND LOCATION OF UNDERGROUND UTILITIES AS MAY BE NECESSARY TO AVOID DAMAGE. UTILITIES LABELED AS PROPOSED MAY BE INSTALLED BY OTHERS PRIOR TO THIS CONTRACT.

PROTECTIVE SURFACE TREATMENT TO BE APPLIED TO TOP OF ANCHOR SLAB.

ANTI-GRAFFITI COATING TO BE APPLIED TO F.F. OF WALL FROM TOP OF WALL TO 1'-0" MIN. BELOW FINISHED GRADE, INCLUDING DRIP EDGE.

AT THE BACKFACE OF THE WALL ALL EXCAVATED VOLUME NOT OCCUPIED BY NEW STRUCTURE SHALL BE BACKFILLED WITH BACKFILL TYPE A OR GRANULAR BACKFILL GRADE 1 AS SHOWN IN THE TYPICAL SECTION. BACKFILLING SHALL BE INCIDENTAL TO BID ITEM "WALL MODULAR BLOCK GRAVITY R-56-46". LIMITS OF EXCAVATION SHALL BE DETERMINED BY THE CONTRACTOR.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE R-56-46

DRAWN BY CWG | PLANS CK'D KGW

TYPICAL SECTION & GENERAL NOTES

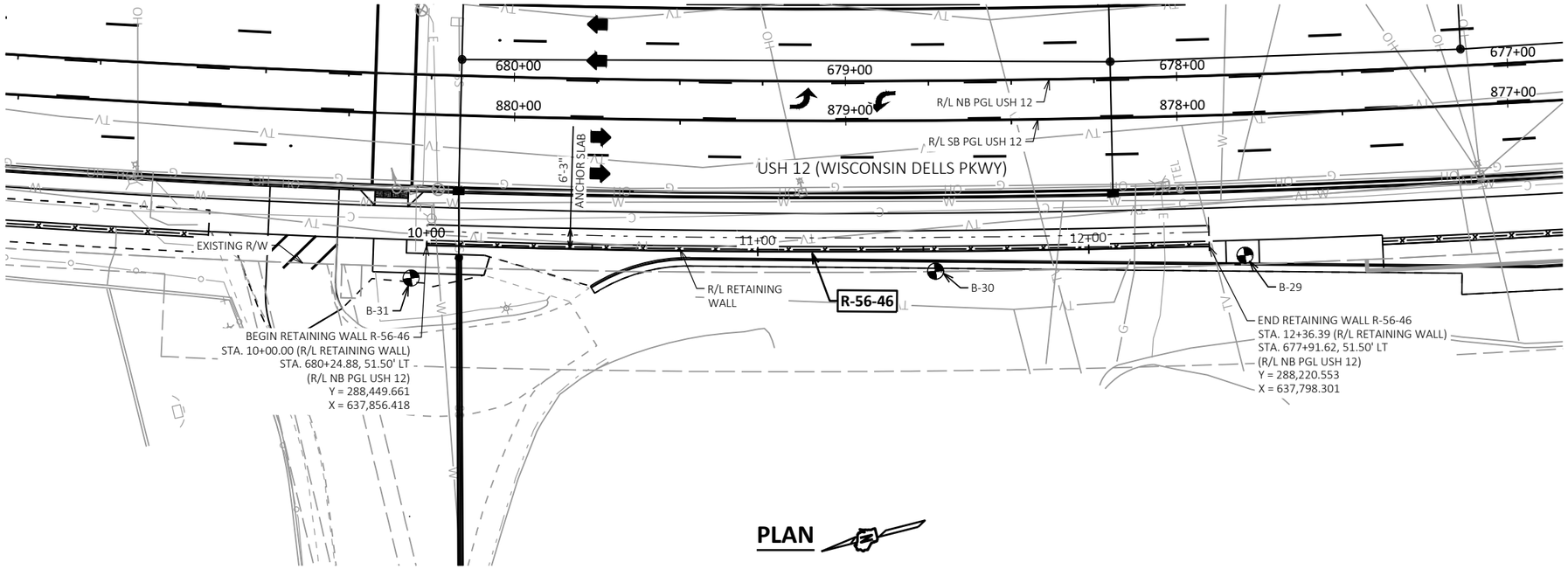
SHEET 2 OF 5
1050

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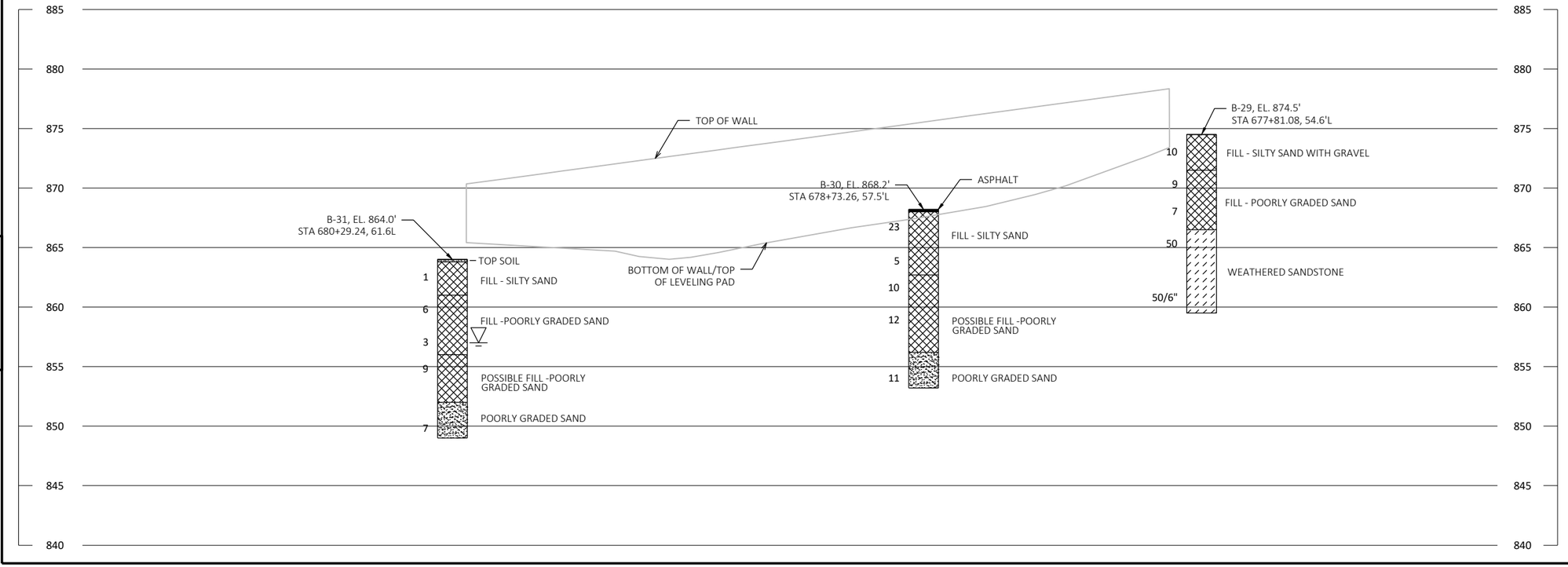
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BORING #	DATE COMPLETED	NORTHING (Y)	EASTING (X)
B-29	05-03-2023	288210.79	637792.99
B-30	05-04-2023	288302.57	637811.22
B-31	05-11-2023	288456.69	637847.96
BORINGS COMPLETED BY: CS DRILLING, INC.			
REPORT COMPLETED BY: TERRACON			
ALL COORDINATES REFERENCED TO (WISCRS), SAUK COUNTY NAD 83 (2007), IN U.S. SURVEY FEET			



PLAN



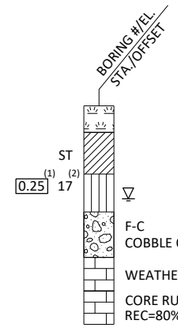
STATE PROJECT NUMBER

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MATERIAL SYMBOLS

ASPHALT, TOPSOIL, PEAT, CONCRETE, FILL, GRAVEL, SAND, CLAY, SILT, BOULDERS OR COBBLES, LIMESTONE, BEDROCK (UNKNOWN), SHALE, SANDSTONE, IGNEOUS/ META

LEGEND OF BORING



(1) UNCONFINED STRENGTH, AS DETERMINED BY A POCKET PENETROMETER (TSF)

(2) UNLESS OTHERWISE, SPECIFIED THE SPT 'N' VALUE IS BASED ON AASHTO T-206, STANDARD PENETRATION TEST. THE SPT 'N' VALUE PRESENTED HAS NOT BEEN CORRECTED FOR OVERBURDEN PRESSURE OR HAMMER EFFICIENCY.

GROUND WATER ELEVATION

AT TIME OF DRILLING
END OF DRILLING
AFTER DRILLING

ABBREVIATIONS

F-FINE M-MEDIUM C-COARSE ST-SHELBY TUBE

SUBSURFACE EXPLORATION FOR FOUNDATION DESIGN AND BIDDERS INFORMATION

BORINGS WERE COMPLETED AT POINTS APPROXIMATELY AS INDICATED ON THIS DRAWING TO OBTAIN INFORMATION CONCERNING THE CHARACTER OF SUBSURFACE MATERIALS FOUND AT THE SITE. BECAUSE THE INVESTIGATED DEPTHS ARE LIMITED AND THE AREA OF THE BORINGS IS VERY SMALL IN RELATION TO THE ENTIRE SITE, THE WISCONSIN DEPARTMENT OF TRANSPORTATION DOES NOT WARRANT SIMILAR SUBSURFACE CONDITIONS BELOW, BETWEEN, OR BEYOND THESE BORINGS. VARIATIONS IN SOIL CONDITIONS SHOULD BE EXPECTED AND FLUCTUATIONS IN GROUNDWATER LEVELS MAY OCCUR.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE R-56-46

DRAWN BY CWG | PLANS CK'D KGW

SUBSURFACE EXPLORATION

SHEET 3 OF 5
1051

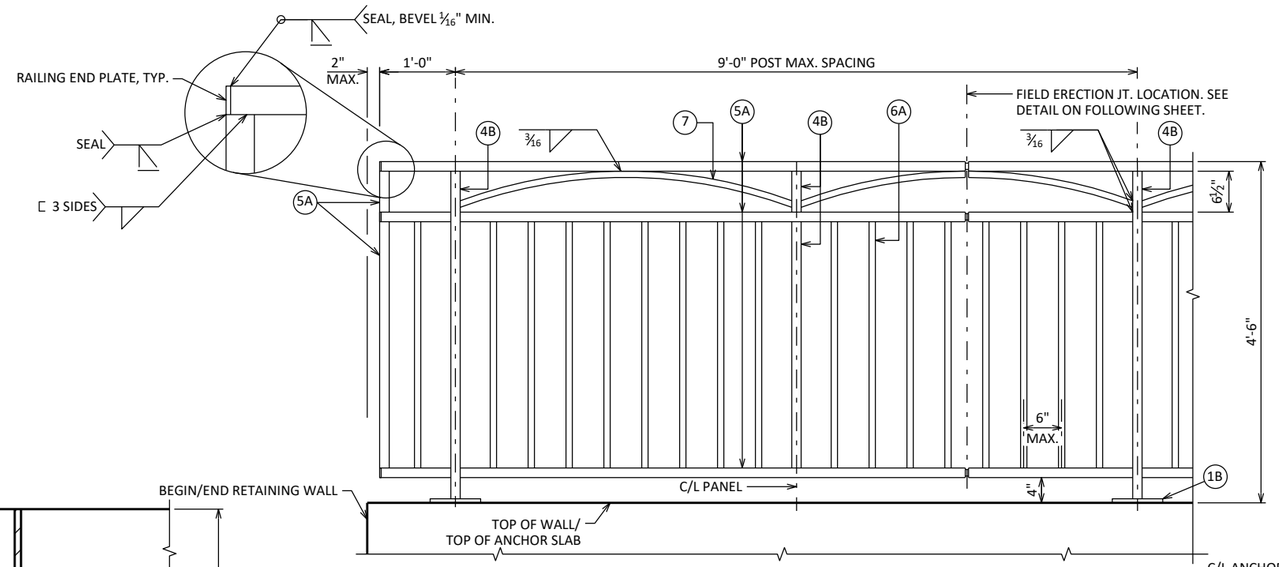
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STATE PROJECT NUMBER

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TYPE C3 PEDESTRIAN RAILING ELEVATION



R502

NOTES

ALL BAR STEEL SHALL BE EPOXY COATED.

LAP R403 A MINIMUM OF 1'-0".

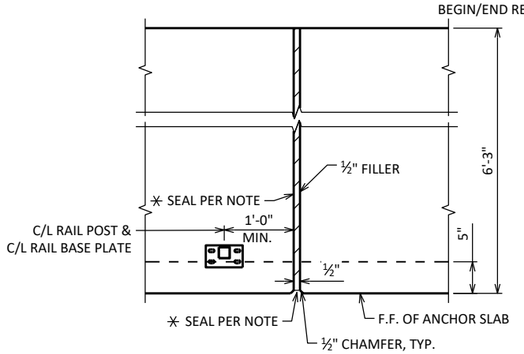
SEE SHEET 5 FOR MATERIAL PROPERTIES.

BILL OF BARS

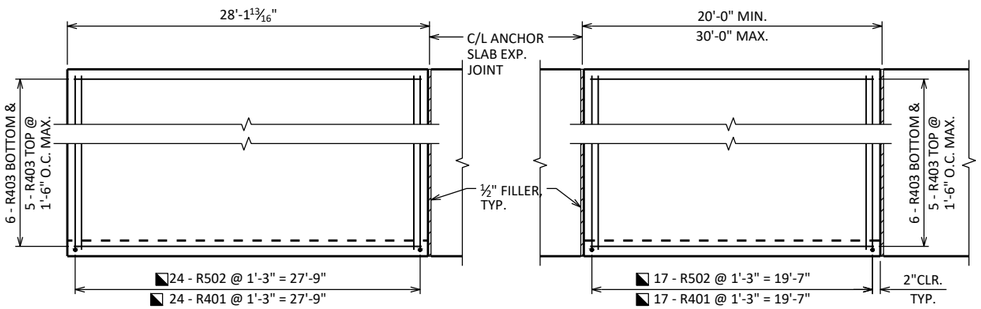
NOTE: THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE.

BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION
R401	X	201	5'-11"			TRAN. BOTTOM ANCHOR SLAB
R502	X	201	6'-11"	X		TRAN. TOP ANCHOR SLAB
R403	X	11	235'-11"			LONG. TOP & BOTTOM

R403 BAR LENGTH SHOWN FOR QUANTITY PURPOSES ONLY.
IF FIELD CUTTING IS REQUIRED, TOUCH UP CUT ENDS WITH AN EPOXY COATING

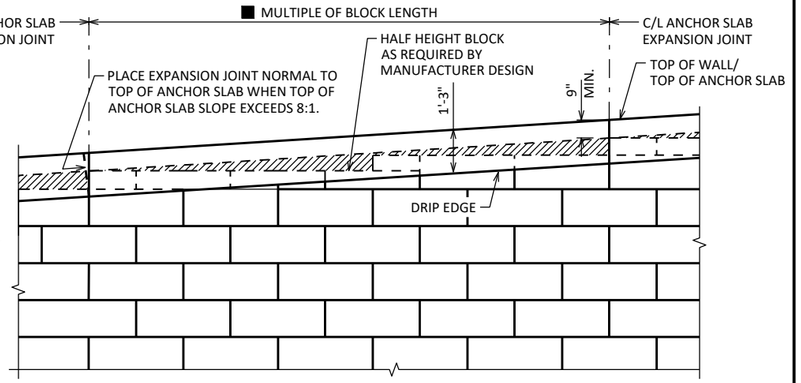


■ ANCHOR SLAB EXPANSION JOINT DETAIL



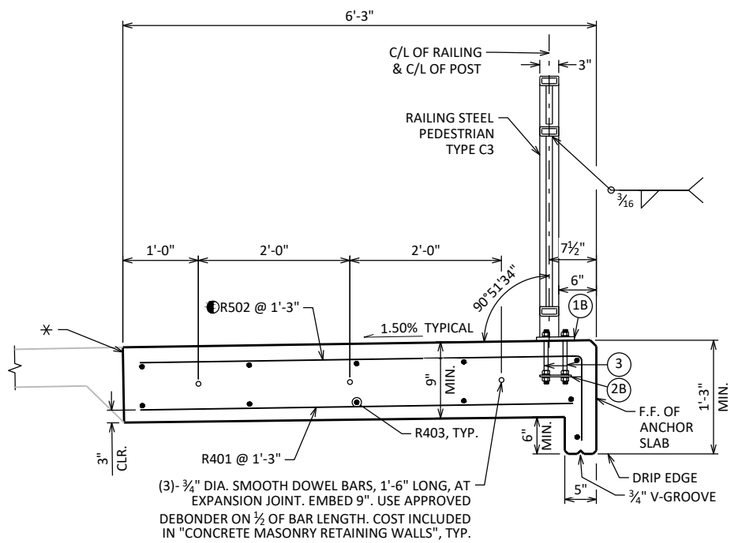
ANCHOR SLAB PLAN

PANEL LENGTH MEASURED ALONG R/L
RAILING NOT SHOWN FOR CLARITY



CAST-IN-PLACE ANCHOR SLAB PARTIAL ELEVATION

LOOKING AT F.F. OF WALL
RAILING NOT SHOWN FOR CLARITY



SECTION THRU ANCHOR ANCHOR SLAB

LEGEND

⚹ SEAL ALL EXPOSED HORIZ. & VERT. SURFACES OF FILLER WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD ⅛" BELOW SURFACE OF CONC.)

■ ANCHOR SLAB EXPANSION JOINTS TO BE SPACED AT A MINIMUM OF 20' AND A MAXIMUM OF 30'. DO NOT RUN BAR STEEL THRU JOINT, EXCEPT FOR DOWEL BARS. JOINT TO EXTEND FULL DEPTH OF ANCHOR SLAB. ALL EXPANSION JOINTS MUST COINCIDE WITH A BLOCK JOINT ON THE FRONT FACE OF WALL.

◐ ADJUST REBAR VERTICAL LEG AS REQUIRED TO ACCOMMODATE WALL BLOCK GEOMETRY/STEPS TO MAINTAIN 2" CLEAR COVER.

◪ REBAR QUANTITIES/END PANEL LENGTH SHOWN USES A TYPICAL ANCHOR SLAB EXPANSION JOINT SPACING OF 20'-0".

▨ ANCHOR SLAB CONCRETE REQUIRED TO ACCOMMODATE WALL BLOCK GEOMETRY/STEPS SHALL BE INCIDENTAL TO BID ITEM "WALL MODULAR BLOCK GRAVITY R-56-46".

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
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STRUCTURE R-56-46

DRAWN BY WAR | PLANS CK'D KGW

ANCHOR SLAB & RAILING ELEVATION

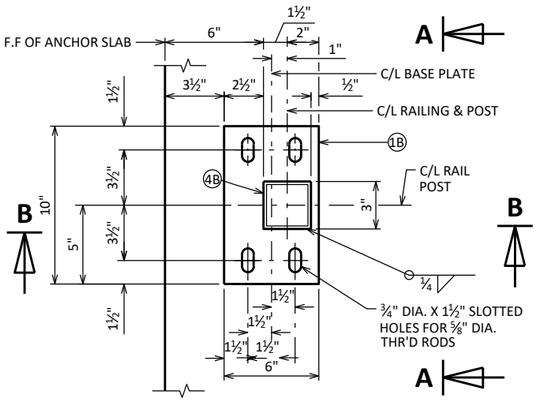
SHEET 4 OF 5
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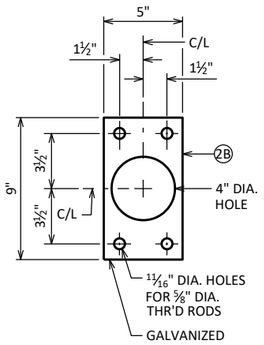
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STATE PROJECT NUMBER

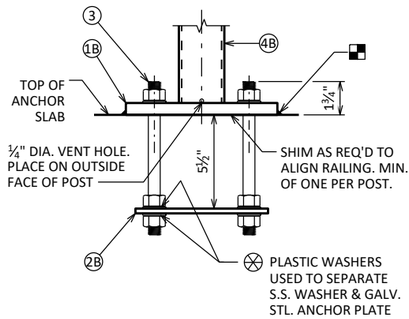
6145-01-72



TYPICAL RAIL POST BASE PLATE

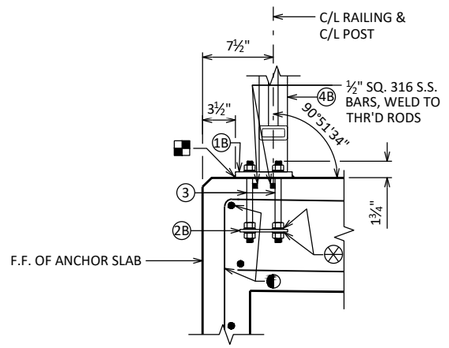


ANCHOR PLATE



SECTION A-A

NOTE: ANCHOR PLATE NOT REQUIRED WHEN ADHESIVE ANCHORS ARE USED.



SECTION B-B

NOTE: ANCHOR PLATE NOT REQUIRED WHEN ADHESIVE ANCHORS ARE USED.

◐ WHEN ADHESIVE ANCHORS ARE USED, FIELD BEND AND/OR DISPLACE TO AVOID HITTING LONGITUDINAL BAR WHEN DRILLING FOR ADHESIVE ANCHORS.

LEGEND

(1B) PLATE ⅝" X 6" X 10" WITH ¾" X 1½" SLOTTED HOLES.

(2B) ¼" X 5" X 9" ANCHOR PLATE WITH 11/16" DIA. HOLES FOR THR'D RODS NO. 3.

(3) ⅝" DIA. X 9" LONG, TYPE 316 STAINLESS STEEL THREADED RODS (MIN. TENSILE STRENGTH = 70 KSI) WITH NUT AND WASHERS OF SAME ALLOY GROUP. ALTERNATIVE ANCHORAGE: CONCRETE ADHESIVE ANCHORS ⅝-INCH. EMBED 7" IN CONCRETE FOR RAIL POSTS. ADHESIVE ANCHORS SHALL CONFORM TO SECTIONS 502.2.12 OF THE STANDARD SPECIFICATIONS.

(4B) STRUCTURAL TUBING 3" X 3" X 3/16". PLACE VERTICAL. WELD TO NO. 1 & 5.

(5A) STRUCTURAL TUBING 3" X 1½" X 3/16" RAILS. WELD TO NO. 1 & NO. 4. INSIDE OF TUBE TO BE PAINTED AT ALL FIELD ERECTION & EXPANSION JOINTS.

(6A) BAR 1" X 1" PICKETS. WELD TO NO. 5. (SPACE AT 6" MAX. C/L TO C/L SPACING). PLACE VERTICAL.

(7) BAR 1" X 1". BEND TO REQUIRED RADIUS. WELD TO NO. 4 & 5.

(9A) RECTANGULAR SLEEVE FABRICATED FROM 3/16" PLATES. PROVIDE "SLIDING FIT".

(10A) RECTANGULAR SLEEVE FABRICATED FROM 3/16" PLATES. (1'-4" @ FIELD ERECTION JTS.)

RAILING NOTES

BID ITEM SHALL BE "RAILING STEEL PEDESTRIAN TYPE C3", WHICH SHALL INCLUDE ALL STEEL ITEMS & PLASTIC WASHERS SHOWN.

POST BASE PLATES SHALL BE FLAT WITH ALL SURFACES SMOOTH AND FREE FROM WARP AND ALL EDGES SMOOTH, STRAIGHT, AND VERTICAL. ALL PLATE CUTS SHALL BE MACHINE OR MACHINE FLAME CUT.

ALL PLATES, BARS, AND RECTANGULAR SLEEVES SHALL CONFORM TO ASTM A709 GRADE 36. ALL STRUCTURAL TUBING SHALL CONFORM TO ASTM A500 GRADE B.

ANCHORAGES SHALL BE ACCURATELY PLACED TO PROVIDE CORRECT ALIGNMENT OF RAILING. SET NORMAL TO GRADE.

CUT BOTTOM OF POST TO MAKE POST VERTICAL IN BOTH TRANSVERSE AND LONGITUDINAL DIRECTION.

STEEL SHIMS SHALL BE PROVIDED & USED UNDER BASE PLATES WHERE REQUIRED FOR ALIGNMENT, AND SHALL BE GALVANIZED.

■ CAULK AROUND PERIMETER OF BASE PLATES, NO. 1, AND FILL BOLT SLOT OPENINGS IN SHIMS AND BASE PLATES WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER.

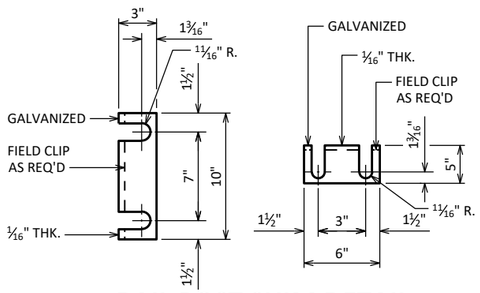
ALL JOINTS AND RECESSES IN CONCRETE ANCHOR SLAB ARE TO BE VERTICAL.

ALL MATERIAL (EXCEPT NO. 3) SHALL BE GALVANIZED AFTER FABRICATION. PRIOR TO GALVANIZING, THE STEEL RAILING SHALL BE GIVEN A NO. 6 BLAST CLEANING PER SSPC SPECIFICATIONS. PAINT OVER GALVANIZING WITH AN APPROVED TIE COAT AND TOP COAT AS SPECIFIED IN THE CONTRACT DOCUMENTS. THE RAILING SHALL BE PAINTED AMS STD. COLOR NO. 27038 (BLACK).

VENT HOLES SHALL BE DRILLED IN POST AND RAIL MEMBERS AS REQUIRED TO FACILITATE GALVANIZING AND DRAINAGE.

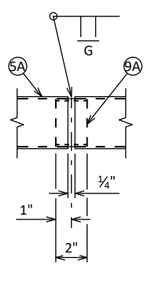
RAILING SHALL BE FABRICATED IN LENGTHS THAT INCLUDE 3 OR 4 POSTS.

TOUCH-UP PAINTING TO BE DONE AT COMPLETION OF STEEL RAILING INSTALLATION TO THE SATISFACTION OF THE ENGINEER AT NO EXTRA COST.



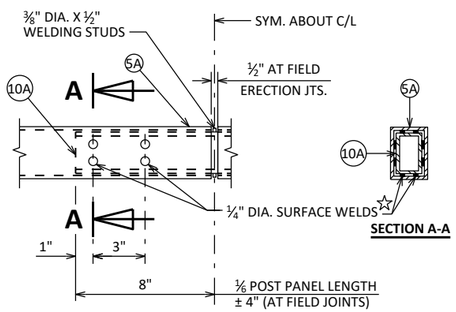
RAIL POST SHIM DETAIL

(2 SETS PER POST)



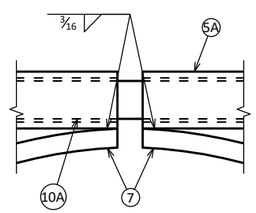
SHOP RAIL SPLICE DETAIL

(LOCATION MUST BE SHOWN ON SHOP DRAWINGS)



FIELD ERECTION JOINT DETAIL

☆ MIN. ⅝" FLAT SURFACE DIA. PUNCHINGS OR STUDS MAY BE USED AS AN ALTERNATE.



CURVED MEMBER JOINT DETAIL

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STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE R-56-46

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PEDESTRIAN RAIL TYPE 'C3' DETAILS

SHEET 5 OF 5

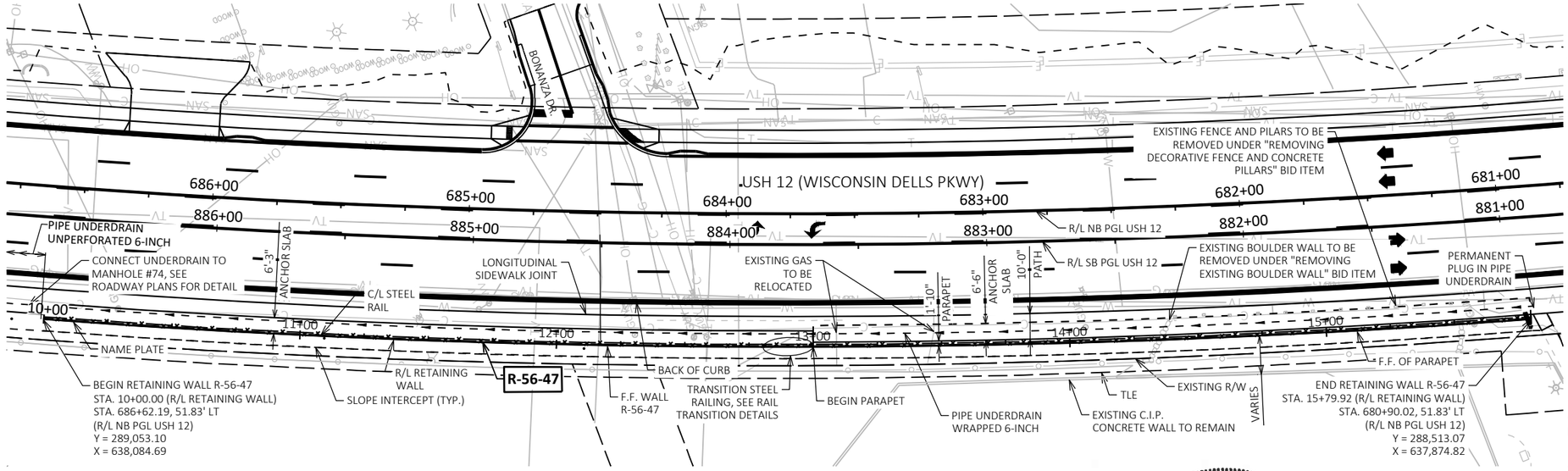
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STATE PROJECT NUMBER

6145-01-72



PLAN

GRAVITY WALL WITH WET CAST BLOCK FACING

DESIGN DATA

THE CONTRACTOR SHALL PROVIDE COMPLETE DESIGN, PLANS, DETAILS, SPECIFICATIONS, AND SHOP DRAWINGS FOR THE RETAINING WALLS IN ACCORDANCE WITH THE SPECIAL PROVISIONS. THE RETAINING WALL MANUFACTURER SHALL PROVIDE TECHNICAL ASSISTANCE TO THE CONTRACTOR DURING CONSTRUCTION. THE COST OF FURNISHING THESE ITEMS SHALL BE INCLUDED IN THE BID ITEM "WALL MODULAR BLOCK GRAVITY R-56-47".

PLANS, ELEVATIONS, AND DETAILS SHOWN ON THESE DRAWINGS ARE INTENDED TO INDICATE WALL LOCATIONS, LENGTHS, HEIGHTS, AND DETAILS COMMON TO THE WALL SYSTEM SELECTED. THE CONTRACTOR SHALL VERIFY THAT THE WALL SYSTEM SELECTED WILL CONFORM TO THE REQUIRED ALIGNMENTS AND DETAILS.

THE RETAINING WALL IS TO BE DESIGNED USING THE ELEVATIONS GIVEN ON THIS SHEET.

DESIGN RETAINING WALL FOR A LIVE LOAD SURCHARGE OF 240 PSF.

THE MAXIMUM VALUE OF THE ANGLE OF INTERNAL FRICTION OF THE WALL BACKFILL MATERIAL SHALL BE ASSUMED TO BE 30° WITHOUT CERTIFIED TEST VALUES.

MATERIAL PROPERTIES:

CONCRETE MASONRY:
ANCHOR SLAB & PARAPET — f'_c = 4,000 PSI

BAR STEEL REINFORCEMENT
GRADE 60 — f_y = 60,000 PSI

LIVE LOAD:

LIVE LOAD SURCHARGE: 240 PSF

ALLOWABLE WALL SYSTEMS

WALL MODULAR BLOCK GRAVITY

TRAFFIC DATA

USH 12
ADT = 21,900 (2045)
R.D.S. = 40 MPH

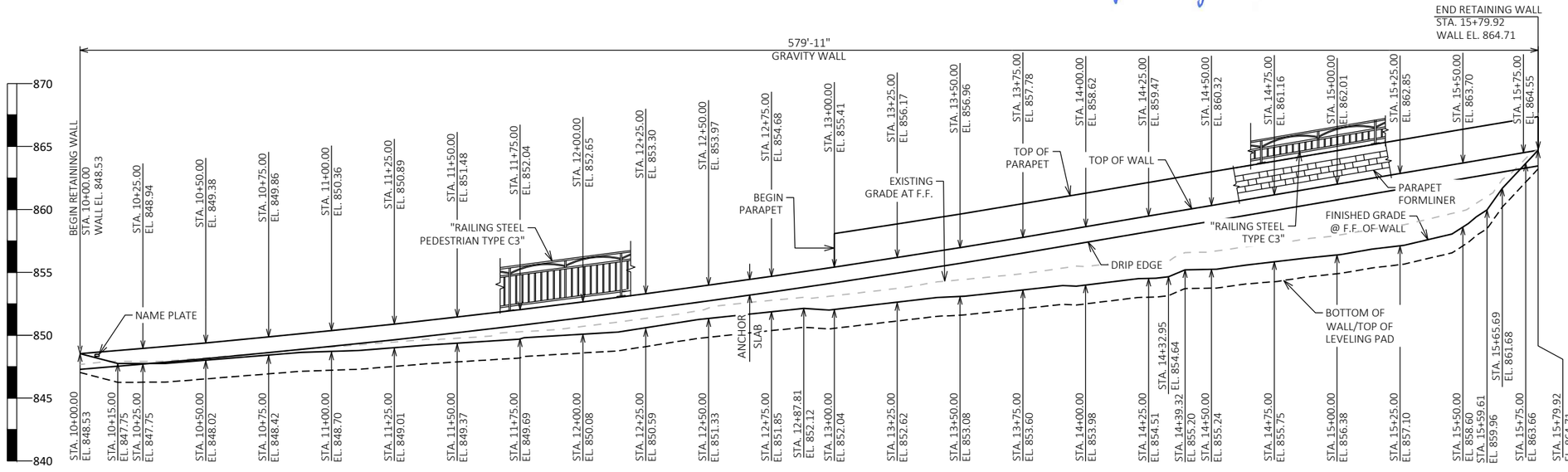
CURVE DATA

P.I. = 683+03.01
Δ = 36°27'49"
D = 1°29'49"
T = 1260.73'
L = 2435.77'
R = 3827.35'
S.E. = 2.0%
P.C. = 670+42.28
P.T. = 694+78.05

LIST OF DRAWINGS

1. GENERAL PLAN & ELEVATION
2. TYPICAL SECTIONS
3. QUANTITIES & GENERAL NOTES
4. SUBSURFACE EXPLORATION
5. ANCHOR SLAB DETAIL
6. COMBINATION RAILING TYPE 'C3'
7. COMBINATION RAIL TYPE 'C3' DETAILS
8. ANCHOR SLAB & RAILING ELEVATION
9. PEDESTRIAN RAIL TYPE 'C3' DETAILS
10. RAIL TRANSITION DETAILS

WISCONSIN
WYATT ROZMENOSKI
47659
MILWAUKEE, WI
02/28/25
PROFESSIONAL ENGINEER



ELEVATION

LOOKING EAST
(DIMENSIONS AND STATIONS GIVEN ALONG FRONT FACE OF WALL)

STRUCTURE DESIGN CONTACTS:

CONSULTANT CONTACT: WYATT ROZMENOSKI (414) 259-1500
BOS CONTACT: AARON BONK (608) 261-0261

NO.	DATE	REVISION	BY

GRAEF
275 W. Wisconsin Avenue
Suite 300
Milwaukee, WI 53203
414 / 259 1500
414 / 259 0037 fax
www.graef-usa.com

STATE OF WISCONSIN DEPARTMENT OF TRANSPORATION

ACCEPTED BMK 06/09/25
CHIEF STRUCTURES DESIGN ENGINEER — DATE

STRUCTURE R-56-47

USH 12 (WISCONSIN DELLS PARKWAY)

COUNTY	VILLAGE
SAUK	LAKE DELTON

DESIGN SPEC.
AASHTO LRFD BRIDGE DESIGN SPECIFICATION

DESIGNED BY	DESIGNED CK'D	DRAWN BY	PLANS CK'D
CWG	WAR	CWG	KGW

GENERAL PLAN & ELEVATION

SHEET 1 OF 10
1054

SCALE =

I.D. 6145-01-02

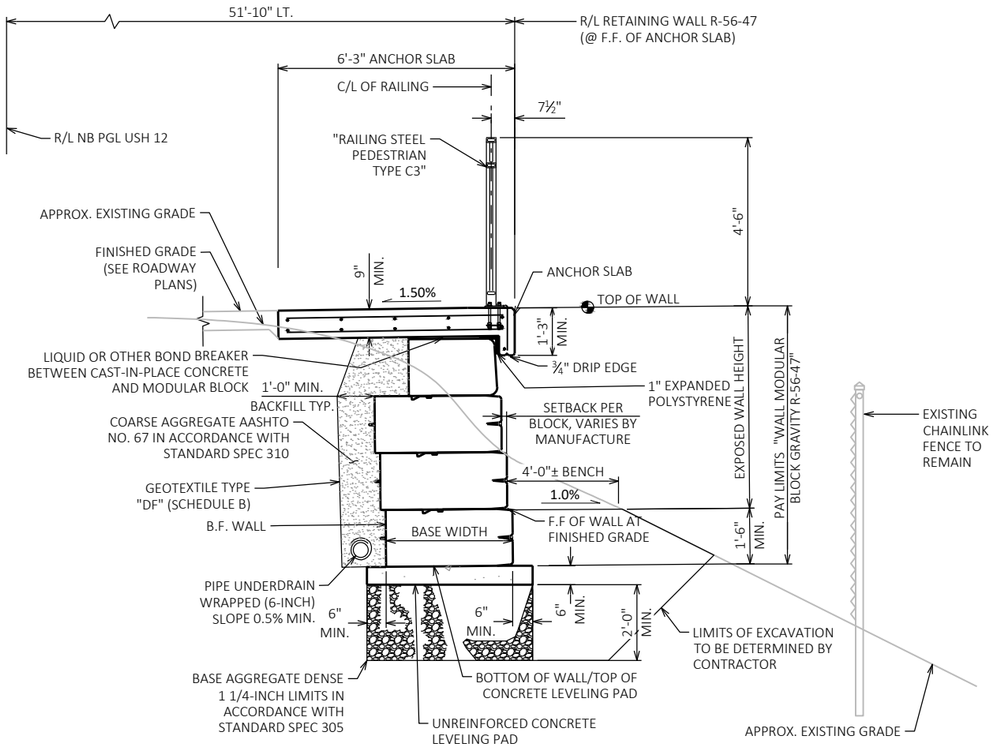
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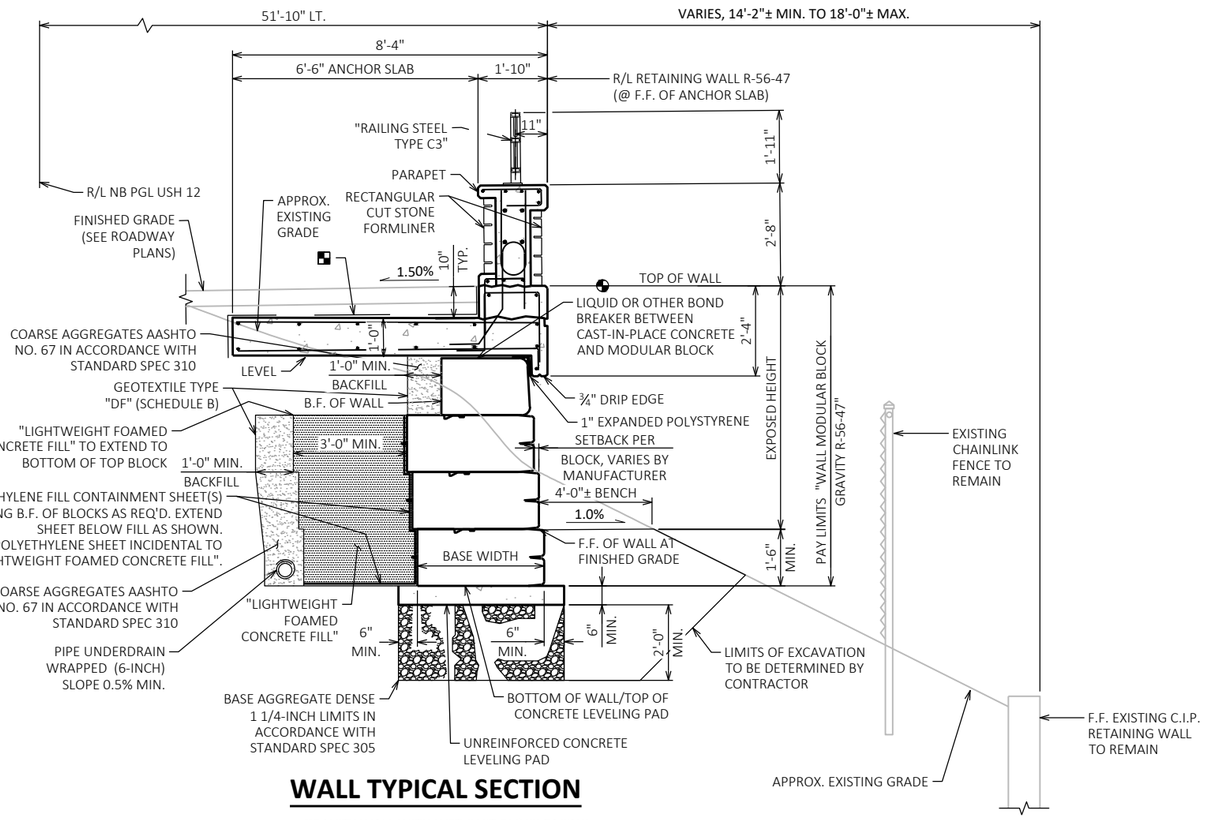
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WALL TYPICAL SECTION

GRAVITY WALL WITH WET CAST BLOCK FACING
WALL STA. 10+00.00 TO STA. 13+00.00

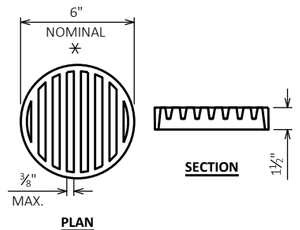


WALL TYPICAL SECTION

GRAVITY WALL WITH WET CAST BLOCK FACING
WALL STA. 13+00.00 TO STA. 15+79.92

LEGEND

■ 18" RUBBERIZED MEMBRANE WATERPROOFING TO BE PLACED ON THESE SURFACE AT EACH JOINT.



PLAN

RODENT SHIELD DETAIL

✳ DIMENSIONS ARE APPROXIMATE. THE GRATE IS SIZED TO FIT INTO A PIPE COUPLING. ORIENT SO SLOTS ARE VERTICAL.

THE RODENT SHIELD, PIPE COUPLING AND SCREWS SHALL BE CONSIDERED INCIDENTAL TO THE BID ITEM "PIPE UNDERDRAING WRAPPED 6-INCH".

THE RODENT SHIELD SHALL BE A PVC GRATE SIMILAR TO THIS DETAIL. THE GRATE IS COMMERCIALLY AVAILABLE AS A FLOOR STRAINER. A PIPE COUPLING IS REQUIRED FOR THE ATTACHMENT OF THIS SHIELD TO THE EXPOSED END OF THE PIPE UNDERDRAIN. THE SHIELD SHALL BE FASTENED TO THE PIPE COUPLING WITH TWO OR MORE NO. 10 X 1-INCH STAINLESS STEEL SHEET METAL SCREWS.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE R-56-47

DRAWN BY CWG | PLANS CK'D WAR

TYPICAL SECTIONS

SHEET 2 OF 10
1055

SCALE =

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SOIL PARAMETERS

SOIL DESCRIPTION	FRICTION ANGLE (DEGREES)	COHESION (PSF)	UNIT WEIGHT (PCF)
GRANULAR BACKFILL BEHIND THE WALL	30	--	120
DESIGN WALL VALUES			
CELLULAR CONCRETE DEPTH 4.2 FEET TO 6.6 FEET (WALL STA. 13+000 TO STA. 15+79.92)	0	5,000	34
FILL/SAND SP DEPTH 0 FEET TO 10 FEET	28	--	115
SAND SP DEPTH 10 FEET TO 16 FEET	30	--	115
SAND SP DEPTH 16 FEET TO 24 FEET	31	--	120
SAND SP DEPTH 24 FEET TO 44 FEET	32	--	120
BOR-32 - STA. 680+90.30 - 55.3' LT OF R/L NB PGL USH 12			
TOP SOIL & FILL SILTY SAND EL. 864.1 TO EL. 855.1	--	--	--
POSSIBLE FILL POORLY GRADE SAND EL. 855.1 TO EL. 852.1	--	--	--
POORLY GRADE SAND SP EL. 852.1 TO EL. 832.1	--	--	--
WEATHERED SANDSTONE EL. 864.1 TO EL. 819.1	--	--	--
BOR-33 - STA. 682+23.46 - 13.9' LT OF R/L NB PGL USH 12			
ASPHALT & CONCRETE EL. 859.1 TO EL. 858.2	--	--	--
FILL SILTY SAND EL. 858.2 TO EL. 856.1	--	--	--
POORLY GRADE SAND SP EL. 856.1 TO EL. 819.1	--	--	--
BOR-34 - STA. 682+94.5 - 17.2' LT OF R/L NB PGL USH 12			
ASPHALT & CONCRETE EL. 857.0± TO EL. 855.9	--	--	--
POSSIBLE FILL POORLY GRADED SAND EL. 855.9 TO EL. 854.0	--	--	--
POORLY GRADE SAND SP EL. 854.0 TO EL. 822.0	--	--	--
BOR-35 - STA. 684+54.27 - 53.3' LT OF R/L NB PGL USH 12			
TOPSOIL & BASE COURSE EL. 852.0 TO EL. 851.0	--	--	--
FILL SILTY SAND EL. 851.0 TO EL. 847.5	--	--	--
POORLY GRADED SAND SP EL. 847.5 TO EL. 832.0	--	--	--
BOR-36 - STA. 685+54.13 - 52.7' LT OF R/L NB PGL USH 12			
TOPSOIL & BASE COURSE EL. 849.0 TO EL. 848.0	--	--	--
FILL POORLY GRADED SAND WITH GRAVEL EL. 848.0 TO EL. 846.0	--	--	--
FILL SILTY SAND EL. 846.0 TO EL. 843.5	--	--	--
POORLY GRADED SAND SP EL. 843.5 TO EL. 834.0	--	--	--
BOR-37 - STA. 686+74.52 - 52.7' LT OF R/L NB PGL USH 12			
FILL POORLY GRADED SAND WITH GRAVEL EL. 848.0 TO EL. 845.0	--	--	--
SILTY SAND SM EL. 845.0 TO EL. 842.5	--	--	--
POORLY GRADED SAND SP EL. 842.5 TO EL. 833.0	--	--	--

GEOMETRY TABLE

WALL STATION	ROADWAY STATION	OFFSET TO WALL R/L	TOP OF WALL EL. (FT)	FINISHED GRADE EL. (FT)
10+00.00	686+62.19	51.83' LT	848.53	848.53
10+25.00	686+37.52	51.83' LT	848.94	847.75
10+50.00	686+12.86	51.83' LT	849.38	848.02
10+75.00	685+88.19	51.83' LT	849.86	848.42
11+00.00	685+63.53	51.83' LT	850.36	848.70
11+25.00	685+38.86	51.83' LT	850.89	849.01
11+50.00	685+14.19	51.83' LT	851.48	849.37
11+75.00	684+89.53	51.83' LT	852.04	849.69
12+00.00	684+64.86	51.83' LT	852.65	850.08
12+25.00	684+40.20	51.83' LT	853.30	850.59
12+50.00	684+15.53	51.83' LT	853.97	851.33
12+75.00	683+90.87	51.83' LT	854.68	851.85
13+00.00	683+66.20	51.83' LT	855.41	852.04
13+25.00	683+41.53	51.83' LT	856.17	852.62
13+50.00	683+16.87	51.83' LT	856.96	853.08
13+75.00	682+92.20	51.83' LT	857.78	853.60
14+00.00	682+67.54	51.83' LT	858.62	853.98
14+25.00	682+42.87	51.83' LT	859.47	854.51
14+50.00	682+18.20	51.83' LT	860.32	855.24
14+75.00	681+93.54	51.83' LT	861.16	855.75
15+00.00	681+68.87	51.83' LT	862.01	856.38
15+25.00	681+44.21	51.83' LT	862.85	857.10
15+50.00	681+19.54	51.83' LT	863.70	858.60
15+75.00	680+94.87	51.83' LT	864.55	863.66
15+79.92	680+90.02	51.83' LT	864.71	864.71

TOTAL ESTIMATED QUANTITIES

BID ITEM NUMBER	BID ITEMS	UNIT	TOTALS
502.3200	PROTECTIVE SURFACE TREATMENT	SY	208
502.3210	PIGMENTED SURFACE SEALER	SY	140
504.0500	CONCRETE MASONRY RETAINING WALLS	CY	209
505.0600	BAR STEEL REINFORCEMENT HS COATED STRUCTURES	LB	23,150
513.7016	RAILING STEEL TYPE C3	LF	279
513.8016	RAILING STEEL PEDESTRIAN TYPE C3	LF	300
516.0500	RUBBERIZED MEMBRANE WATERPROOFING	SY	18
517.1050.S.02	ARCHITECTURAL SURFACE TREATMENT R-56-47	SF	1,117
612.0206	PIPE UNDERDRAIN UNPERFORATED 6-INCH	LF	92
612.0406	PIPE UNDERDRAIN WRAPPED 6-INCH	LF	580
SPV.0035.003	LIGHTWEIGHT FOAMED CONCRETE FILL	CY	140
⁑⁑ SPV.0165.010	ANTI-GRAFFITI COATING	SF	4,704
SPV.0165.023	WALL MODULAR BLOCK GRAVITY R-56-47	SF	2,746
	NON-BID ITEMS		
	FILLER	SIZE	¾"
	EXPANDED POLYSTYRENE	SIZE	1"
	NAME PLATE	EACH	1

ALL ITEMS ARE CATEGORY 0110 UNLESS NOTED OTHERWISE

⁑⁑ ITEM INCLUDED IN CATEGORY 0040

BENCH MARK

NO.	STATION	OFFSET	DESCRIPTION	EL.
BM12	690+14.89	33.16' RT	HMOD 3T50 BRASS CAP TOP NE CORNER OF BOX CULVERT ON EAST SIDE WISCONSIN DELLS PARKWAY IN FRONT OF BUILDING #1830 (TAKE A DARE RACE TRACK	843.61

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

BEVEL EXPOSED EDGES OF CONCRETE ¾" UNLESS OTHERWISE NOTED.

BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2" CLEAR COVER UNLESS OTHERWISE SHOWN OR NOTED.

THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE.

THESE PLANS ARE FOR A MODULAR BLOCK GRAVITY RETAINING WALL.

COORDINATES ON THIS PLAN ARE REFERENCED TO THE WISCONSIN COORDINATE REFERENCE SYSTEM (WISCRS), SAUK COUNTY, NAD 83 (2007), ALL STATIONS AND ELEVATIONS ARE IN FEET. ELEVATIONS ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM NAVD 88 (2007).

DESIGN FOR RETAINING WALL TO PROVIDE FOR FINISHED GRADE SLOPED BEHIND WALL AS SHOWN ON THIS SHEET AND ROADWAY CROSS SECTIONS.

ALL STATIONS AND DIMENSIONS ARE ALONG THE WALL R/L, UNLESS SHOWN OTHERWISE.

PLANS, DIMENSIONS AND QUANTITIES ARE BASED ON AN ASSUMED MODULAR BLOCK DEPTH OF 18 INCHES.

PRECAST MODULAR BLOCK TEXTURE SHALL BE COORDINATED WITH AND SELECTED BY THE VILLAGE FROM MANUFACTURER'S OPTIONS.

THE COST OF FURNISHING AND PLACING THE UNREINFORCED CONCRETE LEVELING PAD UNDER THE GRAVITY RETAINING WALL IS INCLUDED IN THE BID ITEM "WALL MODULAR BLOCK GRAVITY R-56-47".

THE PLAN QUANTITY FOR THE ITEM "WALL MODULAR BLOCK GRAVITY R-56-47" IS BASED ON A WALL HEIGHT MEASURED FROM THE TOP OF WALL TO A CONSTANT DEPTH OF 1'-6" BELOW FINISHED GRADE.

REMOVAL OF BOULDER WALL BE PAID FOR UNDER BID ITEM "REMOVING EXISTING BOULDER WALL" AND REMOVAL OF EXISTING FENCE AND PILARS TO BE PAID FOR UNDER BID ITEM "REMOVING DECORATIVE FENCE AND CONCRETE PILARS" AS SHOWN ON ROADWAY PLANS.

THE UTILITY INFORMATION SHOWN ON THESE DRAWINGS CONCERNING TYPE AND LOCATION OF UNDERGROUND UTILITIES IS NOT GUARANTEED TO BE ACCURATE OR ALL-INCLUSIVE. THE CONTRACTOR IS RESPONSIBLE FOR MAKING THEIR OWN DETERMINATIONS AS TO TYPE AND LOCATION OF UNDERGROUND UTILITIES AS MAY BE NECESSARY TO AVOID DAMAGE. UTILITIES LABELED AS PROPOSED MAY BE INSTALLED BY OTHERS PRIOR TO THIS CONTRACT.

PROTECTIVE SURFACE TREATMENT TO BE APPLIED TO TOP OF EXPOSED ANCHOR SLAB (STA. 10+00.00 TO STA. 13+00.00).

PIGMENTED SURFACE SEALER TO BE APPLIED TO THE TRAFFIC FACE AND TOP OF THE PARAPET.

ANTI-GRAFFITI COATING TO BE TO APPLIED F.F. OF WALL FROM TOP OF WALL TO 1'-0" MIN.BELOW FINISHED GRADE INCLUDING DRIP EDGE, VERTICAL FACES OF THE PARAPET, AND THE TOP OF THE PARAPET.

EXCAVATE 2'-0" BELOW LEVELING PAD AND BACKFILL WITH BASE AGGREGATE DENSE 1 1/4-INCH. PROVIDING BASE AGGREGATE, EXCAVATION AND BACKFILLING SHALL BE INCIDENTAL TO BID ITEM "WALL MODULAR BLOCK GRAVITY R-56-47".

AT THE BACKFACE OF THE WALL ALL EXCAVATED VOLUME NOT OCCUPIED BY NEW STRUCTURE OR LIGHTWEIGHT FOAMED CONCRETE FILL SHALL BE BACKFILLED WITH BACKFILL TYPE A OR GRANULAR BACKFILL GRADE 1 AS SHOWN IN THE TYPICAL SECTION. BACKFILLING SHALL BE INCIDENTAL TO BID ITEM "WALL MODULAR BLOCK GRAVITY R-56-47". LIMITS OF EXCAVATION SHALL BE DETERMINED BY THE CONTRACTOR.

LEGEND

▪ 18" RUBBERIZED MEMBRANE WATERPROOFING TO BE PLACED ON THESE SURFACE AT EACH JOINT.

WALL EXTERNAL & OVERALL STABILITY EVALUATION

DIMENSIONS	
	GRAVITY
WALL HEIGHT (FEET)	6.6
EXPOSED WALL HEIGHT (FEET)	5.1
BORING LOCATION USED	B-37
APPROXIMATE WALL STATION	15+50
BACK SLOPE ABOVE WALL	0°
CAPACITY TO DEMAND RATIO (CDR)	
SLIDING (CDR > 1.0)	1.4
ECCENTRICITY (CDR > 1.0)	4.0
OVERALL STABILITY (CDR > 1.0)	1.6
BEARING RESISTANCE (CDR > 1.0)[1.]	3.21
FACTORED BEARING RESISTANCE (PSF)[1.]	4,557

NOTES:
1. ASSUMING 5'-0" BOTTOM BLOCK WIDTH & 6'-0" LEVELING PAD WIDTH.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE R-56-47

DRAWN BY CWG | PLANS CK'D WAR

QUANTITIES & GENERAL NOTES

SHEET 3 OF 10

1056

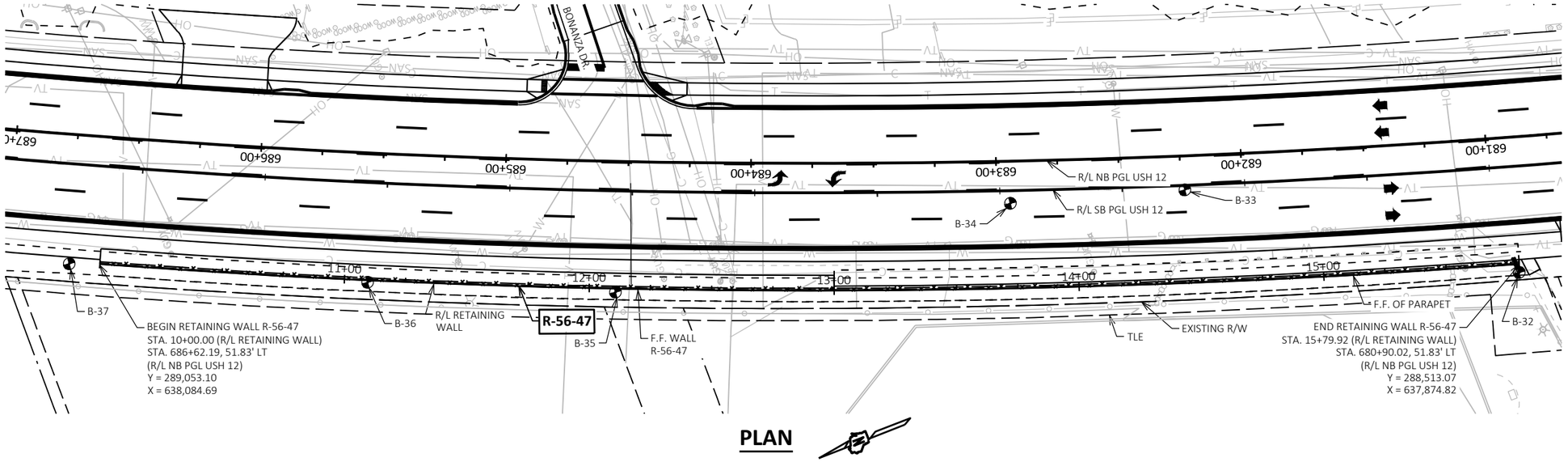
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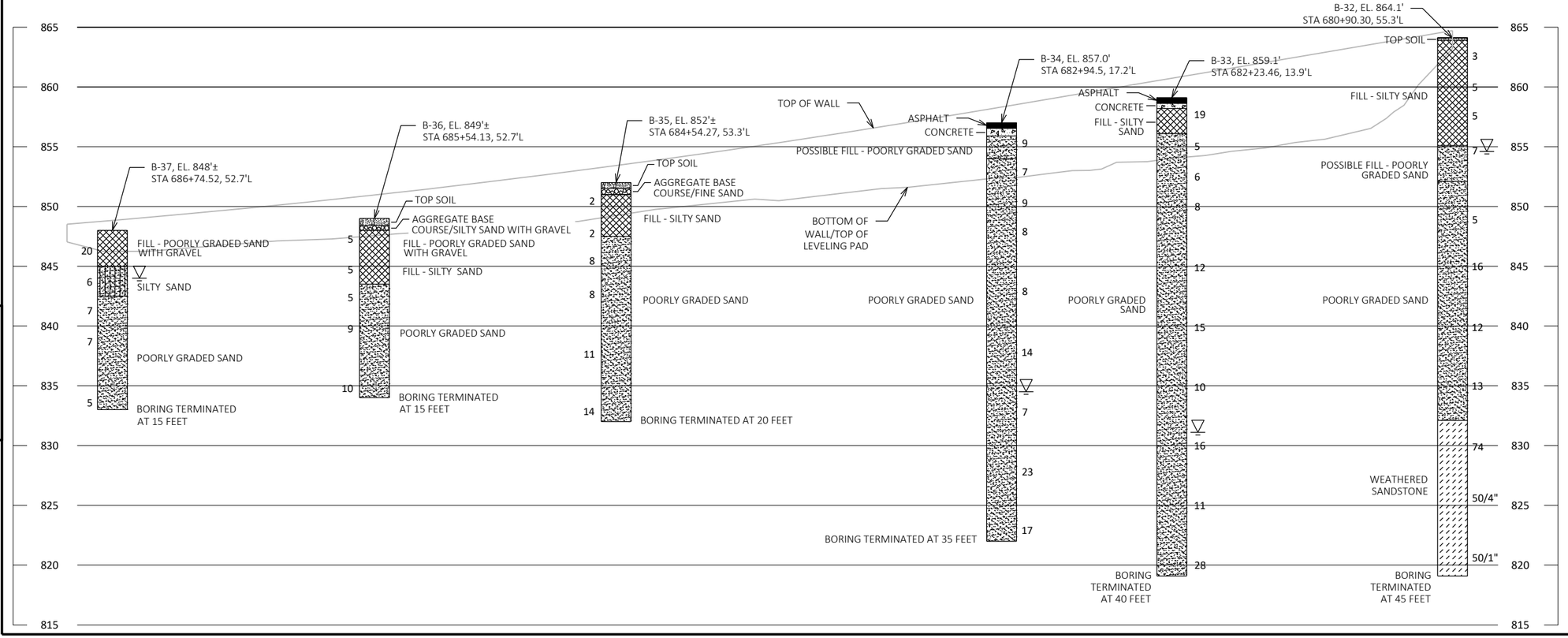
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BORING #	DATE COMPLETED	NORTHING (Y)	EASTING (X)
B-32	05-11-2023	288,514.34	637871.62
B-33	05-03-2023	288629.40	637952.41
BORINGS COMPLETED BY: CS DRILLING, INC.			
REPORT COMPLETED BY: TERRACON			
ALL COORDINATES REFERENCED TO (WISCRS), SAUK COUNTY NAD 83 (2007), IN U.S. SURVEY FEET			

BORING #	DATE COMPLETED	NORTHING (Y)	EASTING (X)
B-34	05-03-2023	288697.77	637973.11
B-35	05-08-2023	288861.11	637997.76
B-36	05-08-2023	288953.95	638038.14
B-37	05-08-2023	289064.74	638089.33



PLAN



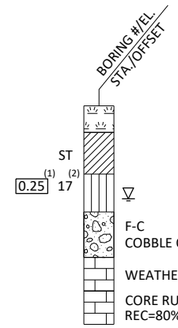
STATE PROJECT NUMBER

6145-01-72

MATERIAL SYMBOLS

ASPHALT, TOPSOIL, PEAT, CONCRETE, FILL, GRAVEL, SAND, CLAY, SILT, BOULDERS OR COBBLES, LIMESTONE, BEDROCK (UNKNOWN), SHALE, SANDSTONE, IGNEOUS/META

LEGEND OF BORING



(1) UNCONFINED STRENGTH, AS DETERMINED BY A POCKET PENETROMETER (TSF)

(2) UNLESS OTHERWISE, SPECIFIED THE SPT 'N' VALUE IS BASED ON AASHTO T-206, STANDARD PENETRATION TEST. THE SPT 'N' VALUE PRESENTED HAS NOT BEEN CORRECTED FOR OVERBURDEN PRESSURE OR HAMMER EFFICIENCY.

GROUND WATER ELEVATION

- AT TIME OF DRILLING
- END OF DRILLING
- AFTER DRILLING

ABBREVIATIONS

F-FINE M-MEDIUM C-COARSE ST-SHELBY TUBE

SUBSURFACE EXPLORATION FOR FOUNDATION DESIGN AND BIDDERS INFORMATION

BORINGS WERE COMPLETED AT POINTS APPROXIMATELY AS INDICATED ON THIS DRAWING TO OBTAIN INFORMATION CONCERNING THE CHARACTER OF SUBSURFACE MATERIALS FOUND AT THE SITE. BECAUSE THE INVESTIGATED DEPTHS ARE LIMITED AND THE AREA OF THE BORINGS IS VERY SMALL IN RELATION TO THE ENTIRE SITE, THE WISCONSIN DEPARTMENT OF TRANSPORTATION DOES NOT WARRANT SIMILAR SUBSURFACE CONDITIONS BELOW, BETWEEN, OR BEYOND THESE BORINGS. VARIATIONS IN SOIL CONDITIONS SHOULD BE EXPECTED AND FLUCTUATIONS IN GROUNDWATER LEVELS MAY OCCUR.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE R-56-47

DRAWN BY SRK PLANS CK'D KGW

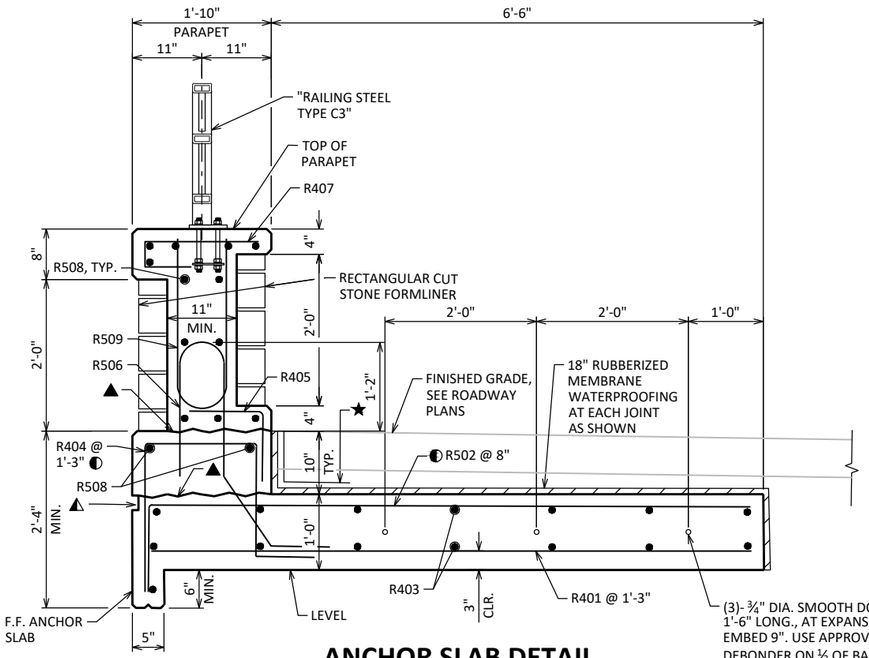
SUBSURFACE EXPLORATION

SHEET 4 OF 10
1057

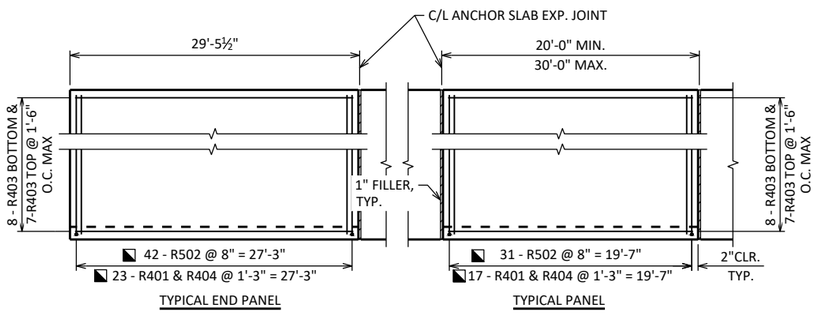
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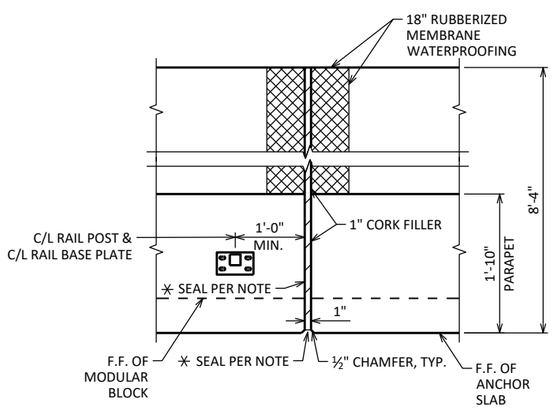


ANCHOR SLAB DETAIL

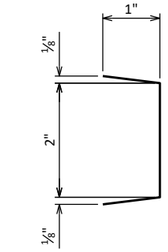


ANCHOR SLAB PLAN

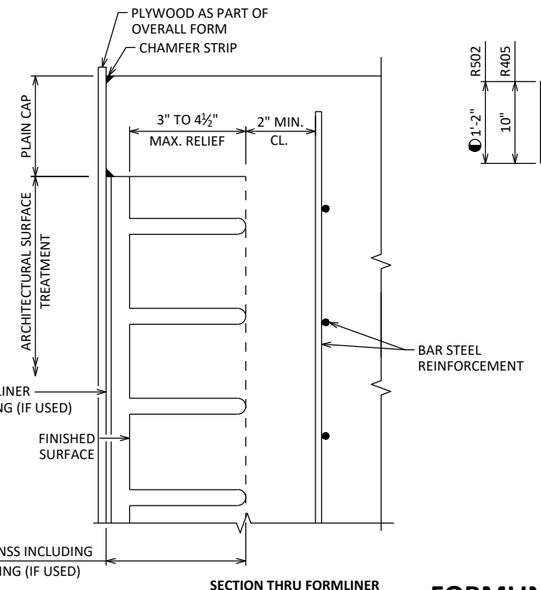
PANEL LENGTH MEASURED ALONG R/L
PARAPET/RAILING NOT SHOWN FOR CLARITY



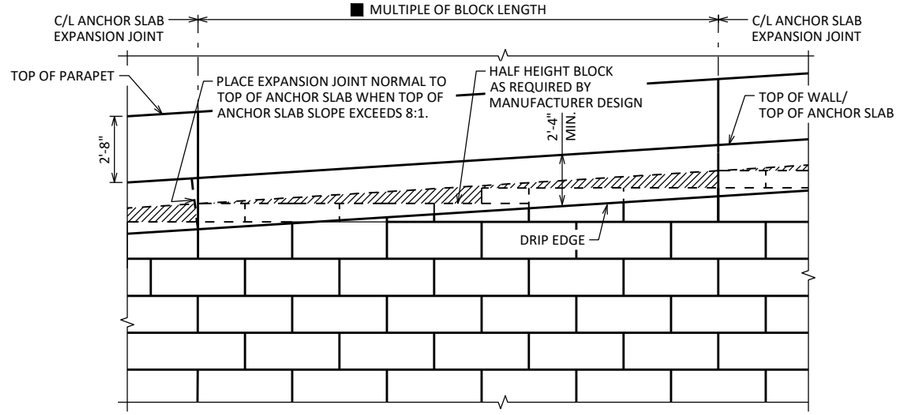
■ ANCHOR SLAB EXPANSION JOINT DETAIL



◭ RUSTICATION DETAIL



SECTION THRU FORMLINER



CAST-IN-PLACE ANCHOR SLAB/PARAPET PARTIAL ELEVATION

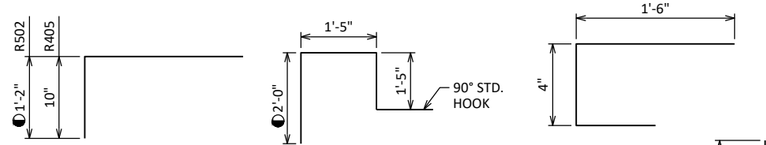
LOOKING AT F.F. OF WALL
RAILING NOT SHOWN FOR CLARITY

BILL OF BARS

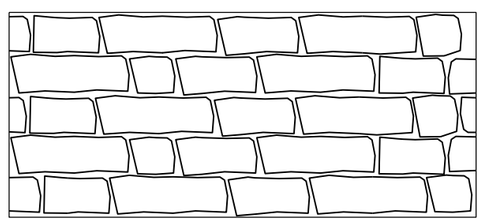
NOTE: THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE.

BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION
R401	X	237	8'-0"			ANCHOR SLAB BOTTOM TRANS.
◐ R502	X	431	9'-0"	X		ANCHOR SLAB TOP TRANS.
R403	X	15	279'-7"			ANCHOR SLAB LONGITUDINAL
◐ R404	X	237	5'-3"	X		ANCHOR SLAB VERTICAL
R405	X	357	1'-9"	X		PARAPET BOTTOM
R506	X	357	6'-2"	X		PARAPET VERTICAL
R407	X	357	2'-8"	X		PARAPET TOP
R508	X	14	279'-7"			PARAPET LONGITUDINAL
R509	X	357	4'-9"	X		PARAPET VERTICAL

R403 & R508 BAR LENGTH SHOWN FOR QUANTITY PURPOSES ONLY.
IF FIELD CUTTING IS REQUIRED, TOUCH UP CUT ENDS WITH AN EPOXY COATING



R502, R405 | R404 | R407 | R506 | R509



RECTANGULAR CUT STONE

FORMLINER THICKNESS = 4" TO 5½"
COURSE HEIGHT = ±2"
MAX RELIEF = 3" TO 4½"

FORMLINER DETAILS

NOTES

ALL BAR STEEL SHALL BE EPOXY COATED.

LAP R403 A MINIMUM OF 1'-0". LAP R508 A MINIMUM OF 1'-9".

FORMLINER COURSING ON PARAPETS SHALL BE PARALLEL TO TOP OF PARAPET.

LEGEND

✳ SEAL ALL EXPOSED HORIZ. & VERT. SURFACES OF FILLER WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD ⅛" BELOW SURFACE OF CONC.)

◭ PROVIDE RUSTICATION IF OPT. CONST. JOINT IS USED.

▲ OPTIONAL CONSTRUCTION JOINT. LEAVE SURFACE ROUGHENED

■ ANCHOR SLAB EXPANSION JOINTS TO BE SPACED AT A MINIMUM OF 20' AND A MAXIMUM OF 30'. DO NOT RUN BAR STEEL THRU JOINT, EXCEPT FOR DOWEL BARS. JOINT TO EXTEND FULL DEPTH OF PARAPET & ANCHOR SLAB. ALL EXPANSION JOINTS MUST COINCIDE WITH A BLOCK JOINT ON THE FRONT FACE OF WALL.

◐ ADJUST REBAR VERTICAL LEG AS REQUIRED TO ACCOMMODATE WALL BLOCK GEOMETRY/STEPS TO MAINTAIN 2" CLEAR COVER.

◪ REBAR QUANTITIES/END PANEL LENGTH SHOWN USES A TYPICAL ANCHOR SLAB EXPANSION JOINT SPACING OF 20'-0".

▨ ANCHOR SLAB CONCRETE REQUIRED TO ACCOMMODATE WALL BLOCK GEOMETRY/STEPS SHALL BE INCIDENTAL TO BID ITEM "WALL MODULAR BLOCK GRAVITY R-56-47".

★ IF OPT. CONST. JOINT IS USED, PLACE 18" MEMBRANE WATERPROOFING ALONG THE ENTIRE LONGITUDINAL JOINT. THE MEMBRANE WATERPROOFING SEALING THE OPTIONAL CONST. JOINT IS INCIDENTAL TO THE CONCRETE MASONRY BID ITEM.

STATE PROJECT NUMBER

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NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-56-47

DRAWN BY CWG | PLANS CK'D WAR

ANCHOR SLAB DETAIL

SHEET 5 OF 10
1058

8

8

STATE PROJECT NUMBER

6145-01-72

NOTES

ALL BAR STEEL SHALL BE EPOXY COATED.

LAP R403 A MINIMUM OF 1'-0".

SEE SHEET 7 FOR MATERIAL PROPERTIES.

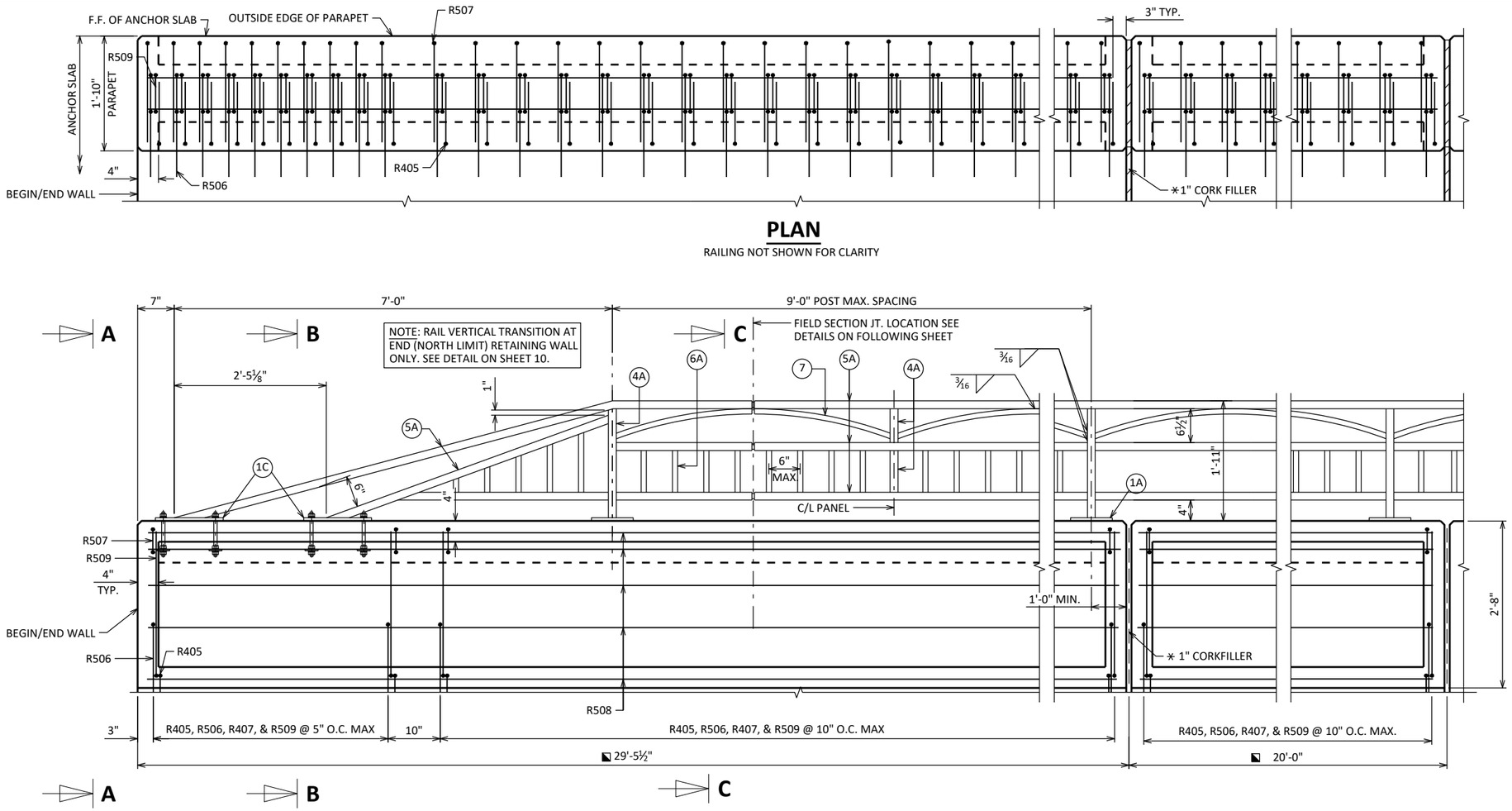
FORMLINER COURSING ON PARAPETS SHALL BE PARALLEL TO TOP OF PARAPET.

LEGEND

∗ SEAL ALL EXPOSED HORIZ. & VERT. SURFACES OF FILLER WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD ⅛" BELOW SURFACE OF CONC.)

▲ HORIZ. CONST. JOINT-STRIKE OFF AS SHOWN AND LEAVE.

◪ REBAR QUANTITIES/END PANEL LENGTH SHOWN USE OF TYPICAL ANCHOR SLAB EXPANSION JOINT SPACING OF 20'-0".

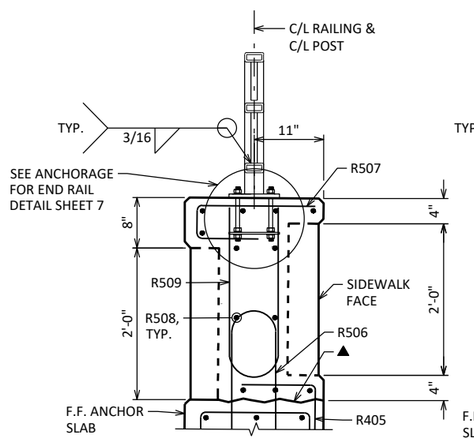


PLAN

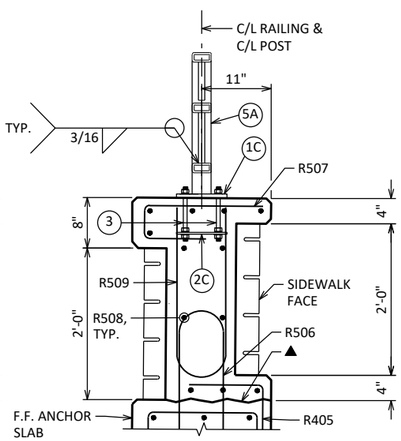
RAILING NOT SHOWN FOR CLARITY

ELEVATION OF PARAPET

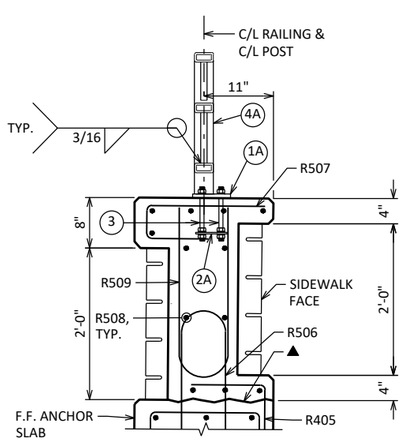
LOOKING AT WEST



SECTION A-A



SECTION B-B



SECTION C-C

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE R-56-47

DRAWN BY CWG | PLANS CK'D KGW

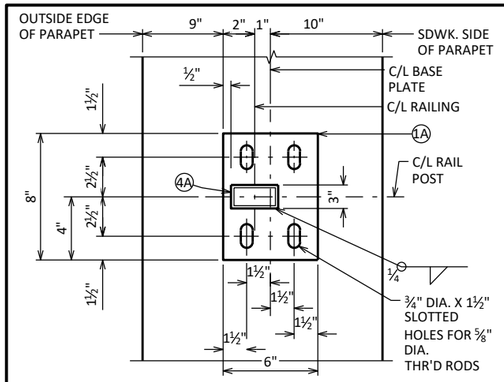
COMBINATION RAILING TYPE 'C3'

SHEET 6 OF 10

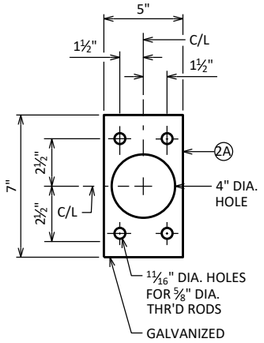
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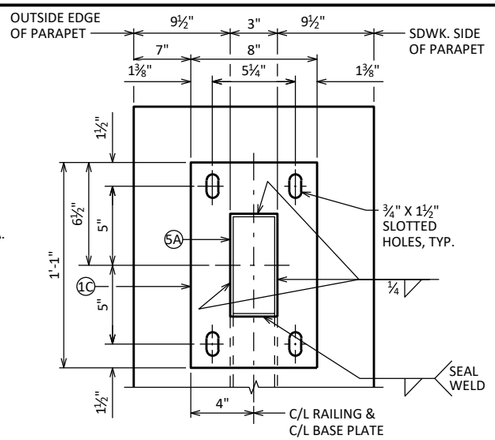
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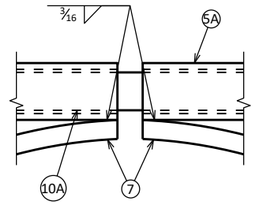
TYPICAL RAIL POST BASE PLATE



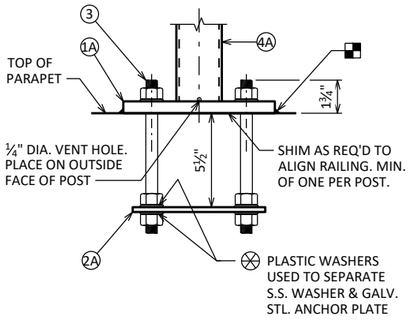
ANCHOR PLATE



END RAIL BASE PLATE

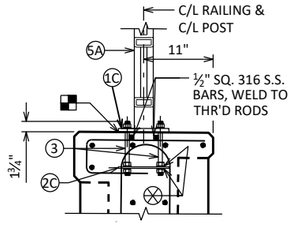


CURVED MEMBER JOINT DETAIL



ANCHORAGE FOR RAIL POSTS

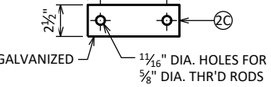
NOTE: ANCHOR PLATE NOT REQUIRED WHEN ADHESIVE ANCHORS ARE USED.



ANCHORAGE FOR END RAIL

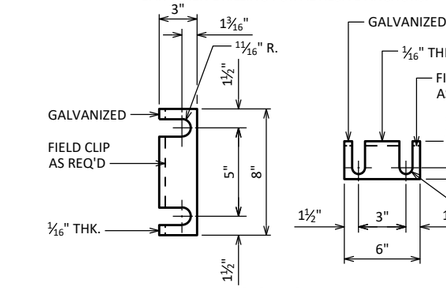
NOTE: ANCHOR PLATE NOT REQUIRED WHEN ADHESIVE ANCHORS ARE USED.

◐ WHEN ADHESIVE ANCHORS ARE USED, FIELD BEND AND/OR DISPLACE TO AVOID HITTING LONGITUDINAL BAR WHEN DRILLING FOR ADHESIVE ANCHORS.



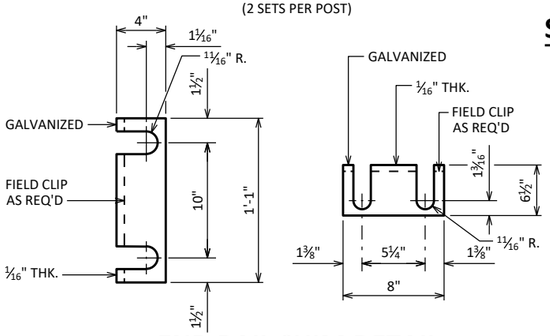
END RAIL ANCHOR PLATE

2 REQ'D. PER END RAIL BASE PLATE



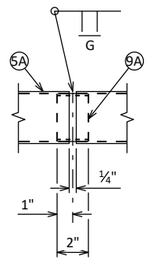
RAIL POST SHIM DETAIL

(2 SETS PER POST)



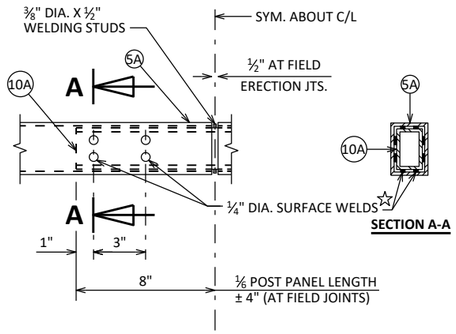
END RAIL SHIM DETAIL

(2 SETS PER POST)



SHOP RAIL SPLICE DETAIL

(LOCATION MUST BE SHOWN ON SHOP DRAWINGS)



FIELD ERECTION JOINT DETAIL

☆ MIN. ⅝" FLAT SURFACE DIA. PUNCHINGS OR STUDS MAY BE USED AS AN ALTERNATE.

LEGEND

(1A) PLATE ⅝" X 6" X 8" WITH ¾" X 1½" SLOTTED HOLES.

(1C) PLATE ⅝" X 8" X 1'-1" WITH ¾" X 1½" SLOTTED HOLES.

(2A) ¼" X 5" X 7" ANCHOR PLATE WITH 1 1/16" DIA. HOLES FOR THR'D RODS NO. 3.

(2C) ¼" X 2½" X 7¼" ANCHOR PLATE WITH 1 1/16" DIA. HOLES FOR THR'D RODS NO. 3.

(3) ⅝" DIA. X 9" LONG, TYPE 316 STAINLESS STEEL THREADED RODS (MIN. TENSILE STRENGTH = 70 KSI) WITH NUT AND WASHERS OF SAME ALLOY GROUP. ALTERNATIVE ANCHORAGE: CONCRETE ADHESIVE ANCHORS ⅝-INCH. EMBED 7" IN CONCRETE FOR RAIL POSTS. EMBED 5" IN CONCRETE FOR END RAILS. ADHESIVE ANCHORS SHALL CONFORM TO SECTIONS 502.2.12 OF THE STANDARD SPECIFICATIONS.

(4A) STRUCTURAL TUBING 3" X 1½" X 3/16". PLACE VERTICAL. WELD TO NO. 1 & 5.

(5A) STRUCTURAL TUBING 3" X 1½" X 3/16" RAILS. WELD TO NO. 1 & NO. 4. INSIDE OF TUBE TO BE PAINTED AT ALL FIELD ERECTION & EXPANSION JOINTS.

(6A) BAR 1" X 1" PICKETS. WELD TO NO. 5. PLACE VERTICAL.

(7) BAR 1" X 1". BEND TO REQUIRED RADIUS. WELD TO NO. 4 & 5.

(9A) RECTANGULAR SLEEVE FABRICATED FROM 3/16" PLATES. PROVIDE "SLIDING FIT".

(10A) RECTANGULAR SLEEVE FABRICATED FROM 3/16" PLATES. (1'-4" @ FIELD ERECTION JTS.)

RAILING NOTES

BID ITEM SHALL BE "RAILING STEEL TYPE C3", WHICH SHALL INCLUDE ALL STEEL ITEMS SHOWN.

POST BASE PLATES SHALL BE FLAT WITH ALL SURFACES SMOOTH AND FREE FROM WARP AND ALL EDGES SMOOTH, STRAIGHT, AND VERTICAL. ALL PLATE CUTS SHALL BE MACHINE OR MACHINE FLAME CUT.

ALL PLATES, BARS, AND RECTANGULAR SLEEVES SHALL CONFORM TO ASTM A709 GRADE 36. ALL STRUCTURAL TUBING SHALL CONFORM TO ASTM A500 GRADE B.

ANCHORAGES SHALL BE ACCURATELY PLACED TO PROVIDE CORRECT ALIGNMENT OF RAILING. SET NORMAL TO GRADE.

CUT BOTTOM OF POST TO MAKE POST VERTICAL IN BOTH TRANSVERSE AND LONGITUDINAL DIRECTION.

STEEL SHIMS SHALL BE PROVIDED & USED UNDER BASE PLATES WHERE REQUIRED FOR ALIGNMENT, AND SHALL BE GALVANIZED.

◪ CAULK AROUND PERIMETER OF BASE PLATES, NO. 1, AND FILL BOLT SLOT OPENINGS IN SHIMS AND BASE PLATES WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER.

ALL JOINTS AND RECESSES IN CONCRETE PARAPET AND ANCHOR SLAB ARE TO BE VERTICAL.

ALL MATERIAL (EXCEPT NO. 3 & 12) SHALL BE GALVANIZED AFTER FABRICATION. PRIOR TO GALVANIZING, THE STEEL RAILING SHALL BE GIVEN A NO. 6 BLAST CLEANING PER SSPC SPECIFICATIONS. PAINT OVER GALVANIZING WITH AN APPROVED TIE COAT AND TOP COAT AS SPECIFIED IN THE CONTRACT DOCUMENTS. THE RAILING SHALL BE PAINTED AMS STD. COLOR NO. 27038 BLACK

VENT HOLES SHALL BE DRILLED IN POST AND RAIL MEMBERS AS REQUIRED TO FACILITATE GALVANIZING AND DRAINAGE.

RAILING SHALL BE FABRICATED IN LENGTHS THAT INCLUDE 3 OR 4 POSTS.

TOUCH-UP PAINTING TO BE DONE AT COMPLETION OF STEEL RAILING INSTALLATION TO THE SATISFACTION OF THE ENGINEER AT NO EXTRA COST.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE R-56-47

DRAWN BY CWG | PLANS CK'D KGW

COMBINATION RAIL TYPE 'C3' DETAILS

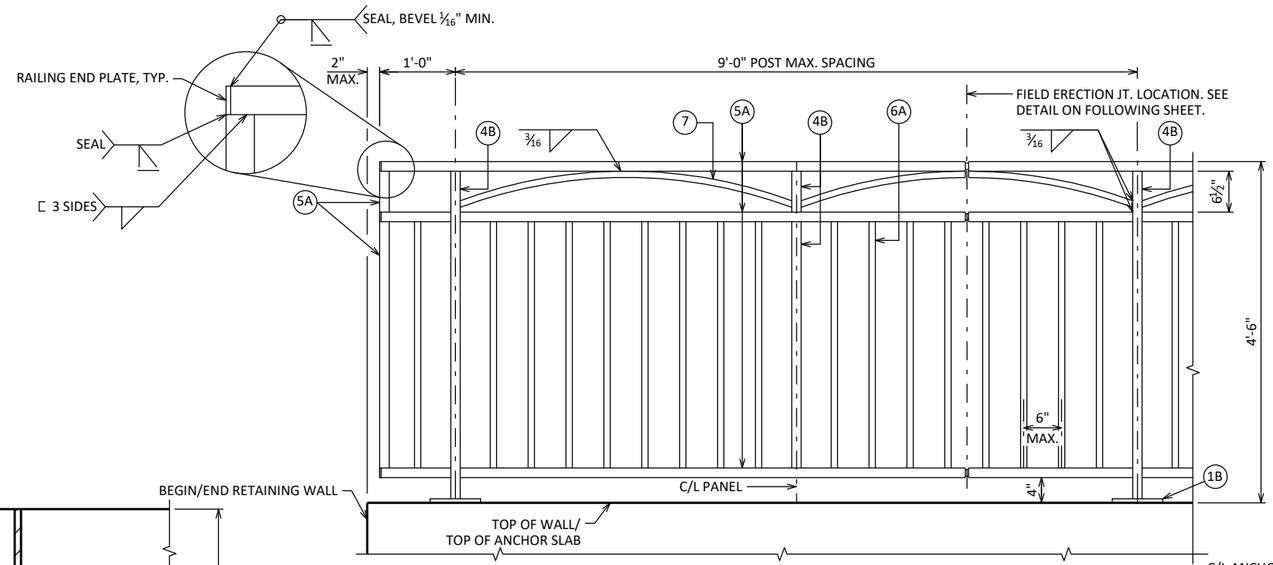
SHEET 7 OF 10
1060

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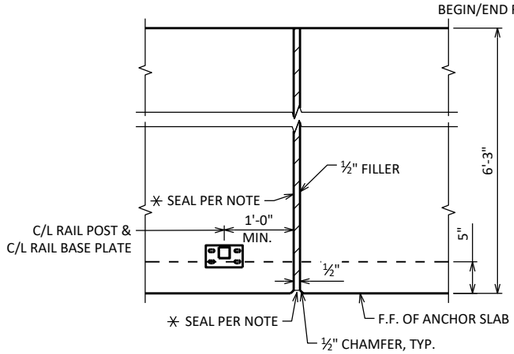
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STATE PROJECT NUMBER

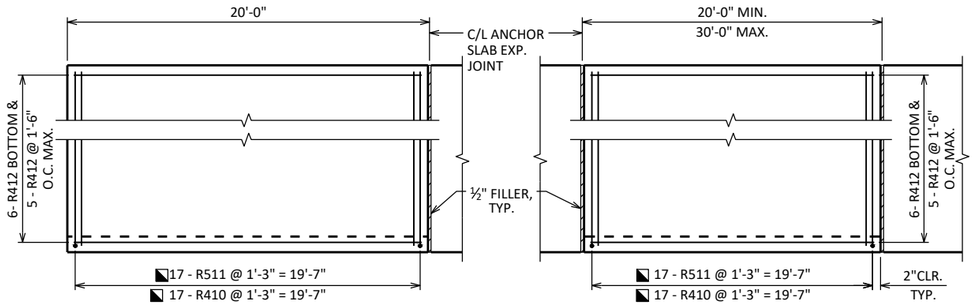
6145-01-72



TYPE C3 PEDESTRIAN RAILING ELEVATION

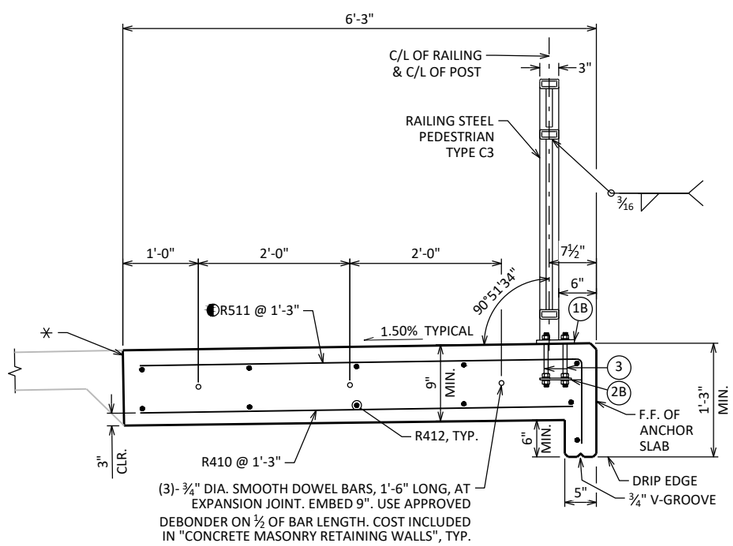


■ ANCHOR SLAB EXPANSION JOINT DETAIL



TYPICAL END PANEL

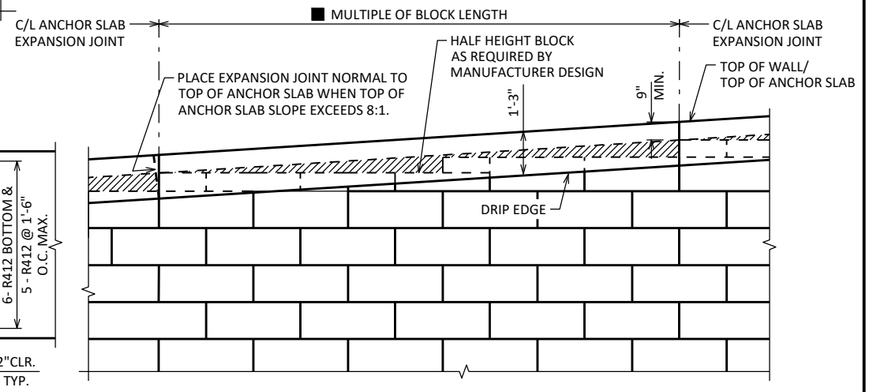
TYPICAL PANEL



SECTION THRU ANCHOR ANCHOR SLAB

ANCHOR SLAB PLAN

PANEL LENGTH MEASURED ALONG R/L
RAILING NOT SHOWN FOR CLARITY



CAST-IN-PLACE ANCHOR SLAB PARTIAL ELEVATION

LOOKING AT F.F. OF WALL
RAILING NOT SHOWN FOR CLARITY

LEGEND

- ⚹ SEAL ALL EXPOSED HORIZ. & VERT. SURFACES OF FILLER WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD ⅛" BELOW SURFACE OF CONC.)
- ■ ANCHOR SLAB EXPANSION JOINTS TO BE SPACED AT A MINIMUM OF 20' AND A MAXIMUM OF 30'. DO NOT RUN BAR STEEL THRU JOINT, EXCEPT FOR DOWEL BARS. JOINT TO EXTEND FULL DEPTH OF ANCHOR SLAB. ALL EXPANSION JOINTS MUST COINCIDE WITH A BLOCK JOINT ON THE FRONT FACE OF WALL.
- ◐ ADJUST REBAR VERTICAL LEG AS REQUIRED TO ACCOMMODATE WALL BLOCK GEOMETRY/STEPS TO MAINTAIN 2" CLEAR COVER.
- ◪ REBAR QUANTITIES/END PANEL LENGTH SHOWN USES A TYPICAL ANCHOR SLAB EXPANSION JOINT SPACING OF 20'-0".
- ▨ ANCHOR SLAB CONCRETE REQUIRED TO ACCOMMODATE WALL BLOCK GEOMETRY/STEPS SHALL BE INCIDENTAL TO BID ITEM "WALL MODULAR BLOCK GRAVITY R-56-47".



R511

NOTES

ALL BAR STEEL SHALL BE EPOXY COATED.

LAP R412 A MINIMUM OF 1'-0".

SEE SHEET 5 FOR MATERIAL PROPERTIES.

BILL OF BARS

NOTE: THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE.

BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION
R410	X	255	5'-11"			TRAN. BOTTOM ANCHOR SLAB
◐ R511	X	255	6'-11"	X		TRAN. TOP ANCHOR SLAB
R412	X	11	299'-8"			LONG. TOP & BOTTOM

R412 BAR LENGTH SHOWN FOR QUANTITY PURPOSES ONLY.
IF FIELD CUTTING IS REQUIRED, TOUCH UP CUT ENDS WITH AN EPOXY COATING

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STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE R-56-47

DRAWN BY WAR | PLANS CK'D KGW

ANCHOR SLAB & RAILING ELEVATION

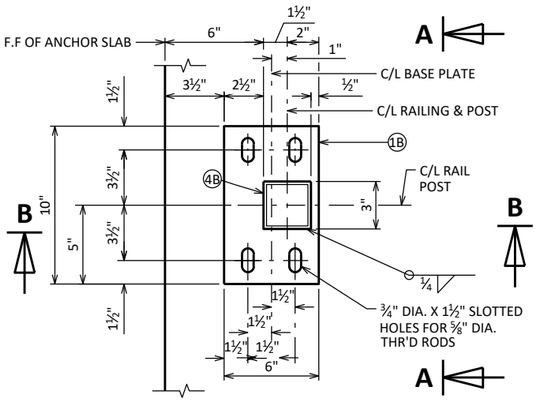
SHEET 8 OF 10
1061

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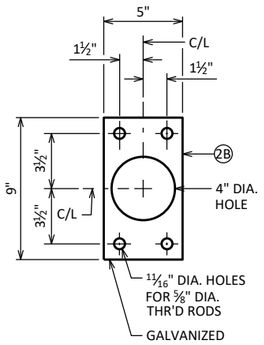
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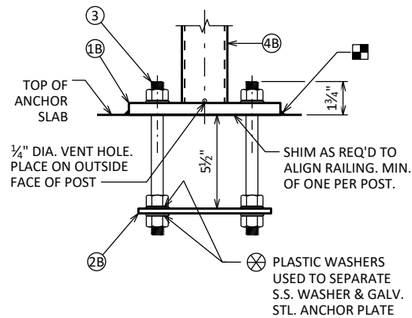
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TYPICAL RAIL POST BASE PLATE

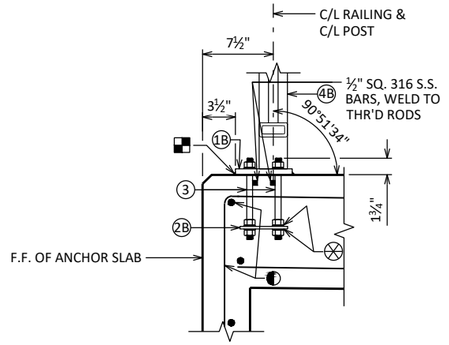


ANCHOR PLATE



SECTION A-A

NOTE: ANCHOR PLATE NOT REQUIRED WHEN ADHESIVE ANCHORS ARE USED.



SECTION B-B

NOTE: ANCHOR PLATE NOT REQUIRED WHEN ADHESIVE ANCHORS ARE USED.

◐ WHEN ADHESIVE ANCHORS ARE USED, FIELD BEND AND/OR DISPLACE TO AVOID HITTING LONGITUDINAL BAR WHEN DRILLING FOR ADHESIVE ANCHORS.

LEGEND

(1B) PLATE ⅝" X 6" X 10" WITH ¾" X 1½" SLOTTED HOLES.

(2B) ¼" X 5" X 9" ANCHOR PLATE WITH 11/16" DIA. HOLES FOR THR'D RODS NO. 3.

(3) ⅝" DIA. X 9" LONG, TYPE 316 STAINLESS STEEL THREADED RODS (MIN. TENSILE STRENGTH = 70 KSI) WITH NUT AND WASHERS OF SAME ALLOY GROUP. ALTERNATIVE ANCHORAGE: CONCRETE ADHESIVE ANCHORS ⅝-INCH. EMBED 7" IN CONCRETE FOR RAIL POSTS. ADHESIVE ANCHORS SHALL CONFORM TO SECTIONS 502.2.12 OF THE STANDARD SPECIFICATIONS.

(4B) STRUCTURAL TUBING 3" X 3" X 3/16". PLACE VERTICAL. WELD TO NO. 1 & 5.

(5A) STRUCTURAL TUBING 3" X 1½" X 3/16" RAILS. WELD TO NO. 1 & NO. 4. INSIDE OF TUBE TO BE PAINTED AT ALL FIELD ERECTION & EXPANSION JOINTS.

(6A) BAR 1" X 1" PICKETS. WELD TO NO. 5. (SPACE AT 6" MAX. C/L TO C/L SPACING). PLACE VERTICAL.

(7) BAR 1" X 1". BEND TO REQUIRED RADIUS. WELD TO NO. 4 & 5.

(9A) RECTANGULAR SLEEVE FABRICATED FROM 3/16" PLATES. PROVIDE "SLIDING FIT".

(10A) RECTANGULAR SLEEVE FABRICATED FROM 3/16" PLATES. (1'-4" @ FIELD ERECTION JTS.)

RAILING NOTES

BID ITEM SHALL BE "RAILING STEEL PEDESTRIAN TYPE C3", WHICH SHALL INCLUDE ALL STEEL ITEMS & PLASTIC WASHERS SHOWN.

POST BASE PLATES SHALL BE FLAT WITH ALL SURFACES SMOOTH AND FREE FROM WARP AND ALL EDGES SMOOTH, STRAIGHT, AND VERTICAL. ALL PLATE CUTS SHALL BE MACHINE OR MACHINE FLAME CUT.

ALL PLATES, BARS, AND RECTANGULAR SLEEVES SHALL CONFORM TO ASTM A709 GRADE 36. ALL STRUCTURAL TUBING SHALL CONFORM TO ASTM A500 GRADE B.

ANCHORAGES SHALL BE ACCURATELY PLACED TO PROVIDE CORRECT ALIGNMENT OF RAILING. SET NORMAL TO GRADE.

CUT BOTTOM OF POST TO MAKE POST VERTICAL IN BOTH TRANSVERSE AND LONGITUDINAL DIRECTION.

STEEL SHIMS SHALL BE PROVIDED & USED UNDER BASE PLATES WHERE REQUIRED FOR ALIGNMENT, AND SHALL BE GALVANIZED.

■ CAULK AROUND PERIMETER OF BASE PLATES, NO. 1, AND FILL BOLT SLOT OPENINGS IN SHIMS AND BASE PLATES WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER.

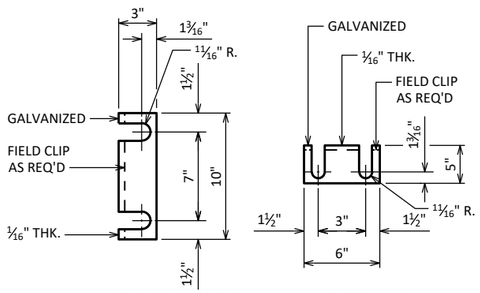
ALL JOINTS AND RECESSES IN CONCRETE ANCHOR SLAB ARE TO BE VERTICAL.

ALL MATERIAL (EXCEPT NO. 3) SHALL BE GALVANIZED AFTER FABRICATION. PRIOR TO GALVANIZING, THE STEEL RAILING SHALL BE GIVEN A NO. 6 BLAST CLEANING PER SSPC SPECIFICATIONS. PAINT OVER GALVANIZING WITH AN APPROVED TIE COAT AND TOP COAT AS SPECIFIED IN THE CONTRACT DOCUMENTS. THE RAILING SHALL BE PAINTED AMS STD. COLOR NO. 27038 (BLACK).

VENT HOLES SHALL BE DRILLED IN POST AND RAIL MEMBERS AS REQUIRED TO FACILITATE GALVANIZING AND DRAINAGE.

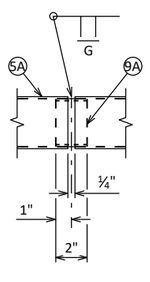
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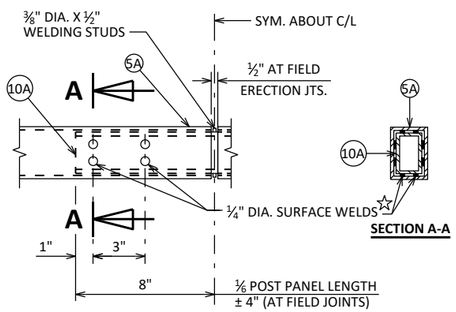
RAIL POST SHIM DETAIL

(2 SETS PER POST)



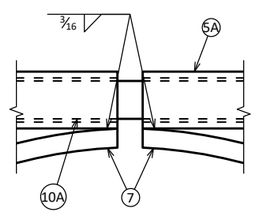
SHOP RAIL SPLICE DETAIL

(LOCATION MUST BE SHOWN ON SHOP DRAWINGS)



FIELD ERECTION JOINT DETAIL

☆ MIN. ⅝" FLAT SURFACE DIA. PUNCHINGS OR STUDS MAY BE USED AS AN ALTERNATE.



CURVED MEMBER JOINT DETAIL

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE R-56-47

DRAWN BY WAR | PLANS CK'D KGW

PEDESTRIAN RAIL TYPE 'C3' DETAILS

SHEET 9 OF 10

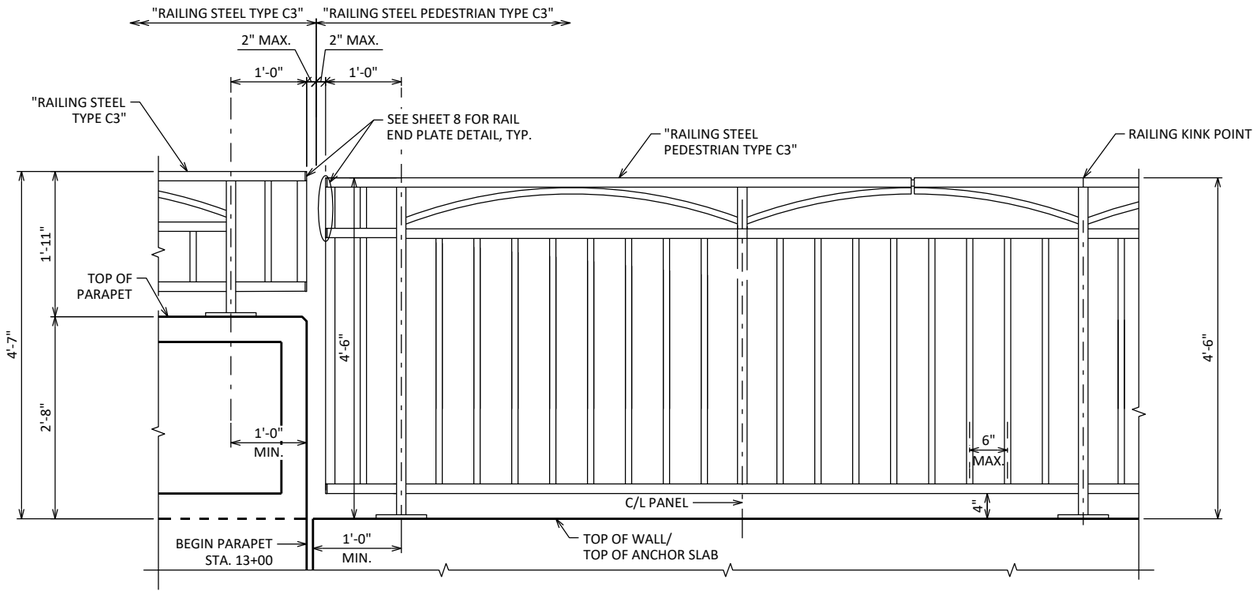
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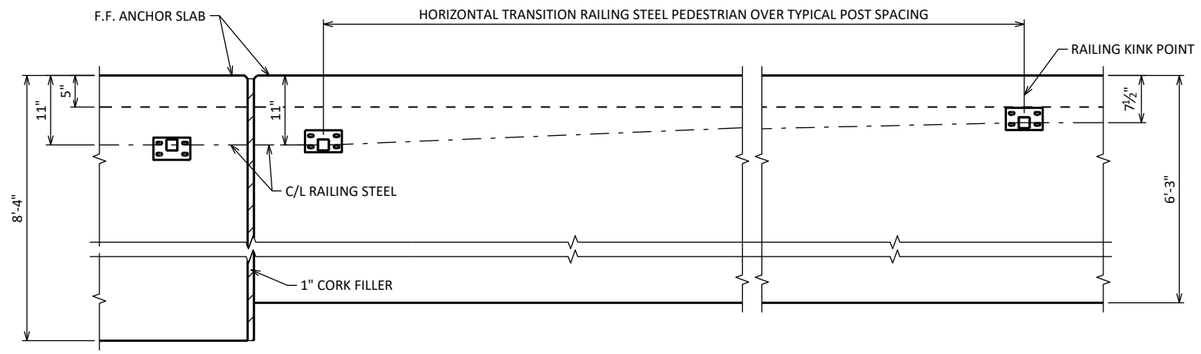
STATE PROJECT NUMBER

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TYPE C3 PEDESTRIAN RAILING TRANSITION ELEVATION

LOOKING WEST



TYPE C3 PEDESTRIAN RAILING TRANSITION PLAN

8

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DEPARTMENT OF TRANSPORTATION

STRUCTURE R-56-47

DRAWN BY CWG | PLANS CK'D KGW

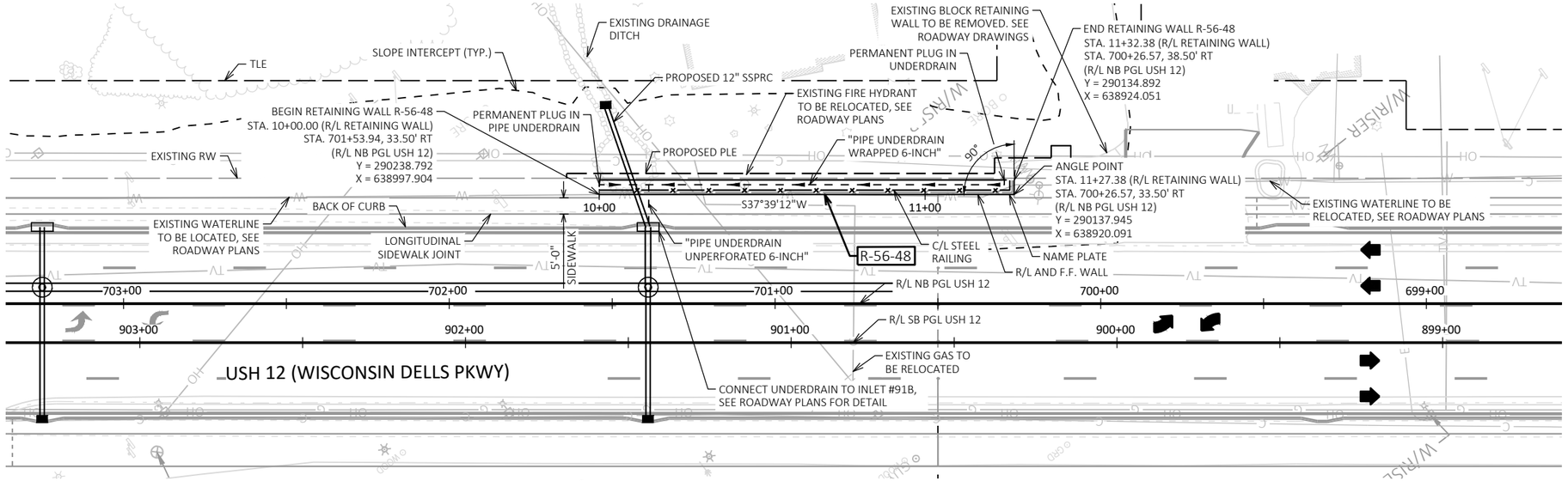
RAIL TRANSITION DETAILS

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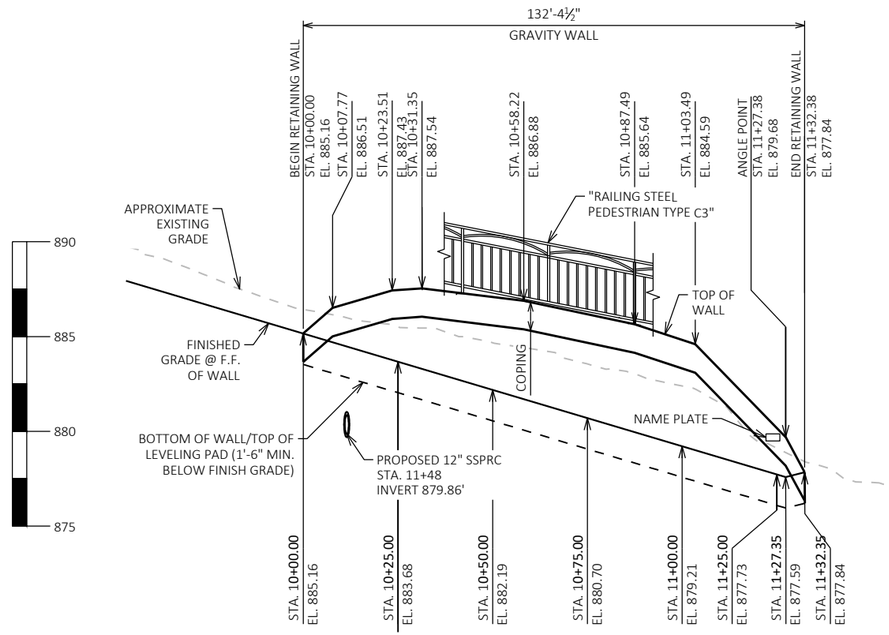
STATE PROJECT NUMBER

6145-01-74



PLAN

GRAVITY WALL WITH WET CAST BLOCK FACING



ELEVATION

LOOKING EAST

(DIMENSIONS AND STATIONS GIVEN ALONG R/L OF WALL)

DESIGN DATA

THE CONTRACTOR SHALL PROVIDE COMPLETE DESIGN, PLANS, DETAILS, SPECIFICATIONS, AND SHOP DRAWINGS FOR THE RETAINING WALLS IN ACCORDANCE WITH THE SPECIAL PROVISIONS. THE RETAINING WALL MANUFACTURER SHALL PROVIDE TECHNICAL ASSISTANCE TO THE CONTRACTOR DURING CONSTRUCTION. THE COST OF FURNISHING THESE ITEMS SHALL BE INCLUDED IN THE BID ITEM "WALL MODULAR BLOCK GRAVITY R-56-48".

PLANS, ELEVATIONS, AND DETAILS SHOWN ON THESE DRAWINGS ARE INTENDED TO INDICATE WALL LOCATIONS, LENGTHS, HEIGHTS, AND DETAILS COMMON TO THE WALL SYSTEM SELECTED. THE CONTRACTOR SHALL VERIFY THAT THE WALL SYSTEM SELECTED WILL CONFORM TO THE REQUIRED ALIGNMENTS AND DETAILS.

THE RETAINING WALL IS TO BE DESIGNED USING THE ELEVATIONS GIVEN ON THIS SHEET.

DESIGN RETAINING WALL FOR A LIVE LOAD SURCHARGE OF 100 PSF.

THE MAXIMUM VALUE OF THE ANGLE OF INTERNAL FRICTION OF THE WALL BACKFILL MATERIAL SHALL BE ASSUMED TO BE 30° WITHOUT CERTIFIED TEST VALUES.

LIVE LOAD:

LIVE LOAD SURCHARGE: 100 PSF

ALLOWABLE WALL SYSTEMS

WALL MODULAR BLOCK GRAVITY

TRAFFIC DATA

USH 12

ADT = 21,900 (2045)
R.D.S. = 40 MPH

LIST OF DRAWINGS

1. GENERAL PLAN & ELEVATION
2. TYPICAL SECTION & GENERAL NOTES
3. SUBSURFACE EXPLORATION
4. PEDESTRIAN RAIL TYPE 'C3' DETAILS
5. ANCHOR SLAB & RAILING ELEVATION

WISCONSIN PROFESSIONAL ENGINEER
WYATT ROZMENOSKI
47659
MILWAUKEE, WI

Wyatt A. Rozmenoski 5/30/2025

STRUCTURE DESIGN CONTACTS:

CONSULTANT CONTACT: WYATT ROZMENOSKI (414) 259-1500
BOS CONTACT: AARON BONK (608) 261-0261

NO.	DATE	REVISION	BY

GRÄEF
275 W. Wisconsin Avenue
Suite 300
Milwaukee, WI 53203
414 / 259 1500
414 / 259 0037 fax
www.graef-usa.com

STATE OF WISCONSIN DEPARTMENT OF TRANSPORATION

ACCEPTED EMK 06/09/25
CHIEF STRUCTURES DESIGN ENGINEER DATE

STRUCTURE R-56-48

USH 12 (WISCONSIN DELLS PARKWAY)

COUNTY	CITY
SAUK	WISCONSIN DELLS

DESIGN SPEC.
AASHTO LRFD BRIDGE DESIGN SPECIFICATION

DESIGNED BY	DESIGNED CK'D	DRAWN BY	PLANS CK'D
CWG	WAR	CWG	KGW

GENERAL PLAN & ELEVATION

SHEET 1 OF 5
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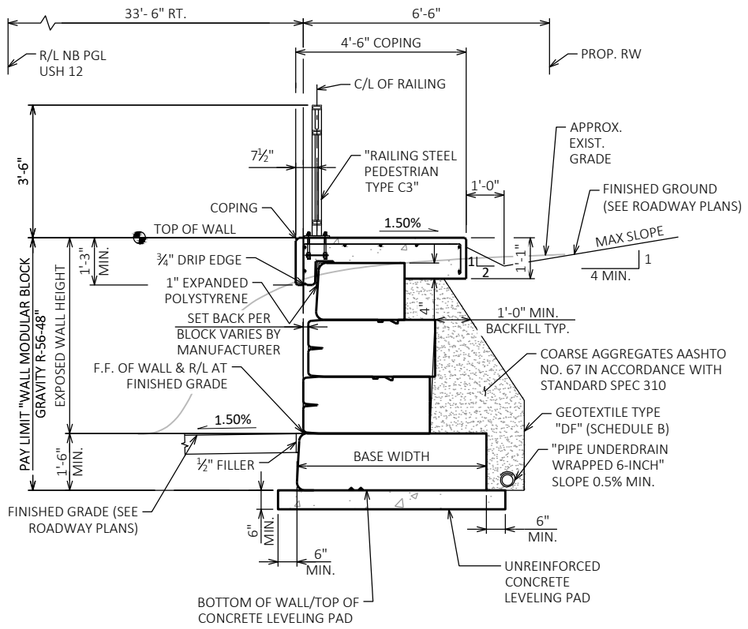
I.D.

DATE:

SCALE =

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WALL TYPICAL SECTION

GRAVITY WALL WITH WET CAST BLOCK FACING

GEOMETRY TABLE

WALL STATION	ROADWAY STATION	OFFSET TO WALL R/L	TOP OF WALL EL. (FT)	FINISHED GRADE EL. (FT)
10+00.00	701+53.94	33.50' RT	885.16	885.16
10+07.77	701+46.17	33.50' RT	886.51	884.70
10+23.51	701+30.43	33.50' RT	887.43	883.76
10+25.00	701+28.94	33.50' RT	887.45	883.68
10+31.35	701+22.59	33.50' RT	887.54	883.00
10+50.00	701+03.94	33.50' RT	887.09	882.19
10+58.22	700+95.72	33.50' RT	886.88	881.70
10+75.00	700+78.94	33.50' RT	886.17	880.70
10+87.49	700+66.15	33.50' RT	885.64	879.96
11+00.00	700+53.94	33.50' RT	884.82	879.21
11+03.49	700+50.45	33.50' RT	884.59	879.01
11+25.00	700+28.94	33.50' RT	880.17	877.73
11+27.38	700+26.57	33.50' RT	879.68	877.59
11+32.38	700+26.57	33.50' RT	877.84	877.84

WALL EXTERNAL & OVERALL STABILITY EVALUATION

DIMENSIONS	
WALL HEIGHT (FEET)	7.0
EXPOSED WALL HEIGHT (FEET)	5.5
BORING LOCATION USED	B-38
APPROXIMATE WALL STATION	11+00
BACK SLOPE ABOVE WALL	0°
CAPACITY TO DEMAND RATIO (CDR)	
SLIDING (CDR > 1.0)	4.8
ECCENTRICITY (CDR > 1.0)	333.0
OVERALL STABILITY (CDR > 1.0)	2.4
BEARING RESISTANCE (CDR > 1.0)[1.]	17.5
FACTORED BEARING RESISTANCE (PSF)[1.]	20,552

NOTES:
1. ASSUMING 5'-0" BOTTOM BLOCK WIDTH & 6'-0" LEVELING PAD WIDTH.

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

BEVEL EXPOSED EDGES OF CONCRETE ¾" UNLESS OTHERWISE NOTED.

BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2" CLEAR COVER UNLESS OTHERWISE SHOWN OR NOTED.

THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE.

THESE PLANS ARE FOR A MODULAR BLOCK GRAVITY RETAINING WALL.

COORDINATES ON THIS PLAN ARE REFERENCED TO THE WISCONSIN COORDINATE REFERENCE SYSTEM (WISCRS), SAUK COUNTY, NAD 83 (2007), ALL STATIONS AND ELEVATIONS ARE IN FEET. ELEVATIONS ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM NAVD 88 (2007).

DESIGN FOR RETAINING WALL TO PROVIDE FOR FINISHED GRADE SLOPED BEHIND WALL AS SHOWN ON THIS SHEET AND ROADWAY CROSS SECTIONS.

ALL STATIONS AND DIMENSIONS ARE ALONG THE FRONT FACE OF WALL AT FINISHED GRADE, UNLESS SHOWN OTHERWISE.

PLANS, DIMENSIONS AND QUANTITIES ARE BASED ON AN ASSUMED MODULAR BLOCK DEPTH OF 18 INCHES.

PRECAST MODULAR BLOCK TEXTURE SHALL BE COORDINATED WITH AND SELECTED BY THE VILLAGE FROM MANUFACTURER'S OPTIONS.

THE COST OF FURNISHING AND PLACING THE UNREINFORCED CONCRETE LEVELING PAD UNDER THE GRAVITY RETAINING WALL IS INCLUDED IN THE BID ITEM "WALL MODULAR BLOCK GRAVITY R-56-48".

THE COST OF FURNISHING AND PLACING REINFORCING STEEL AND CONCRETE FOR WALL COPING IS INCLUDED IN THE BID ITEM "WALL MODULAR BLOCK GRAVITY R-56-48".

THE PLAN QUANTITY FOR THE ITEM "WALL MODULAR BLOCK GRAVITY R-56-48" IS BASED ON A WALL HEIGHT MEASURED FROM THE TOP OF WALL TO A CONSTANT DEPTH OF 1'-6" BELOW FINISHED GRADE.

REMOVAL OF BLOCK WALL BE PAID FOR UNDER BID ITEM "REMOVING EXISTING BLOCK RETAINING WALL" AS SHOWN ON ROADWAY PLANS.

THE UTILITY INFORMATION SHOWN ON THESE DRAWINGS CONCERNING TYPE AND LOCATION OF UNDERGROUND UTILITIES IS NOT GUARANTEED TO BE ACCURATE OR ALL-INCLUSIVE. THE CONTRACTOR IS RESPONSIBLE FOR MAKING THEIR OWN DETERMINATIONS AS TO TYPE AND LOCATION OF UNDERGROUND UTILITIES AS MAY BE NECESSARY TO AVOID DAMAGE. UTILITIES LABELED AS PROPOSED MAY BE INSTALLED BY OTHERS PRIOR TO THIS CONTRACT.

THE MAXIMUM BACKSLOPE SHALL BE 4:1.

ANTI-GRAFFITI COATING TO BE APPLIED TO F.F. OF WALL FROM TOP OF WALL TO 1'-0" MIN. BELOW FINISHED GRADE, INCLUDING DRIP EDGE.

AT THE BACKFACE OF "WALL MODULAR BLOCK GRAVITY R-56-48", ALL EXCAVATED VOLUME NOT OCCUPIED BY NEW STRUCTURE SHALL BE BACKFILLED WITH BACKFILL TYPE A OR GRANULAR BACKFILL GRADE 1 AS SHOWN IN THE TYPICAL SECTION. BACKFILLING SHALL BE INCIDENTAL TO BID ITEM "WALL MODULAR BLOCK GRAVITY R-56-48". LIMITS OF EXCAVATION SHALL BE DETERMINED BY THE CONTRACTOR.

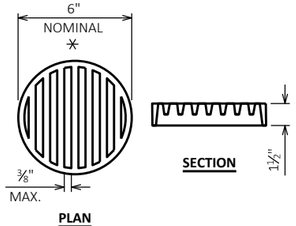
BENCH MARK

NO.	STATION	OFFSET	DESCRIPTION	EL.
BM13	701+81.51	33.62' LT	GEAR SPIKE IN EAST FACE OF PP#B205LB, SECOND PP SOUTH OF MT. OLYMPUS MAIN ENTRANCE, WEST SIDE OF WISCONSIN DELLS PARKWAY	888.58

TOTAL ESTIMATED QUANTITIES

	BID ITEM NUMBER	BID ITEMS	UNIT	TOTALS
	513.8016	RAILING STEEL PEDESTRIAN TYPE C3	LF	133
	612.0206	PIPE UNDERDRAIN UNPERFORATED 6-INCH	LF	14
	612.0406	PIPE UNDERDRAIN WRAPPED 6-INCH	LF	133
⚹⚹	SPV.0165.010	ANTI-GRAFFITI COATING	SF	741
	SPV.0165.024	WALL MODULAR BLOCK GRAVITY R-56-48	SF	753
		NON-BID ITEMS		
		FILLER	SIZE	½",¾"
		NAME PLATE	EACH	1

ALL ITEMS ARE CATEGORY 0060, UNLESS NOTED OTHERWISE
⚹⚹ ITEM INCLUDED IN CATEGORY 0040



RODENT SHIELD DETAIL

⚹ DIMENSIONS ARE APPROXIMATE. THE GRATE IS SIZED TO FIT INTO A PIPE COUPLING. ORIENT SO SLOTS ARE VERTICAL.

THE RODENT SHIELD, PIPE COUPLING AND SCREWS SHALL BE CONSIDERED INCIDENTAL TO THE BID ITEM "PIPE UNDERDRAIN WRAPPED 6-INCH".

THE RODENT SHIELD SHALL BE A PVC GRATE SIMILAR TO THIS DETAIL. THE GRATE IS COMMERCIALLY AVAILABLE AS A FLOOR STRAINER. A PIPE COUPLING IS REQUIRED FOR THE ATTACHMENT OF THIS SHIELD TO THE EXPOSED END OF THE PIPE UNDERDRAIN. THE SHIELD SHALL BE FASTENED TO THE PIPE COUPLING WITH TWO OR MORE NO. 10 X 1-INCH STAINLESS STEEL SHEET METAL SCREWS.

SOIL PARAMETERS

	SOIL DESCRIPTION	FRICTION ANGLE (DEGREES)	COHESION (PSF)	UNIT WEIGHT (PCF)
	GRANULAR BACKFILL BEHIND THE WALL	30	--	120
	DESIGN WALL VALUES			
⬟	SAND SP DEPTH 0 FEET TO 3.5 FEET	32	--	120
⬟	SAND SP DEPTH 3.5 FEET TO 25+ FEET	39	--	135
	BOR-38 - STA. 700+30.34 - 63.3' RT OF R/L NB PGL USH 12			
	TOPSOIL EL. 884.1 TO EL. 883.8	--	--	--
	WEATHERED SANDSTONE EL. 883.8 TO 859.1	--	--	--
	BOR-39 - STA. 701+88.89 - 59.9' RT OF R/L NB PGL USH 12			
	TOPSOIL EL. 895.1 TO EL. 894.9	--	--	--
	WEATHERED SANDSTONE EL. 894.9 TO 879.4	--	--	--

⬟ DESIGN WALL FOR THESE VALUES

STATE PROJECT NUMBER

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NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE R-56-48

DRAWN BY CWG | PLANS CK'D KGW

TYPICAL SECTION & GENERAL NOTES

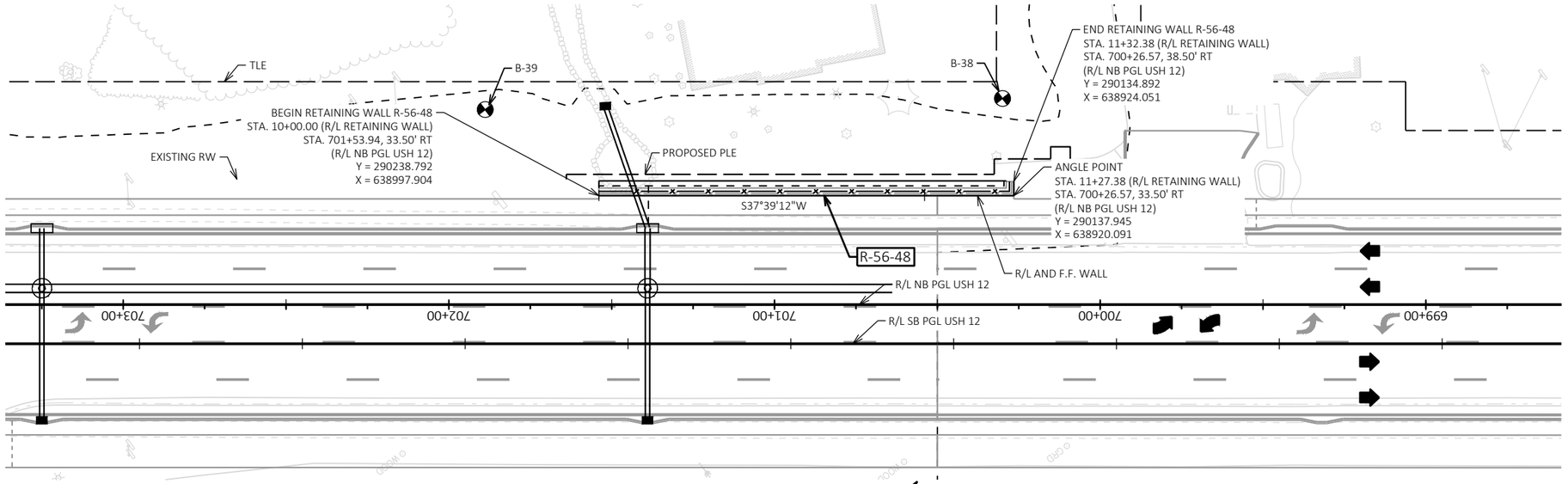
SHEET 2 OF 5
1065

SCALE =

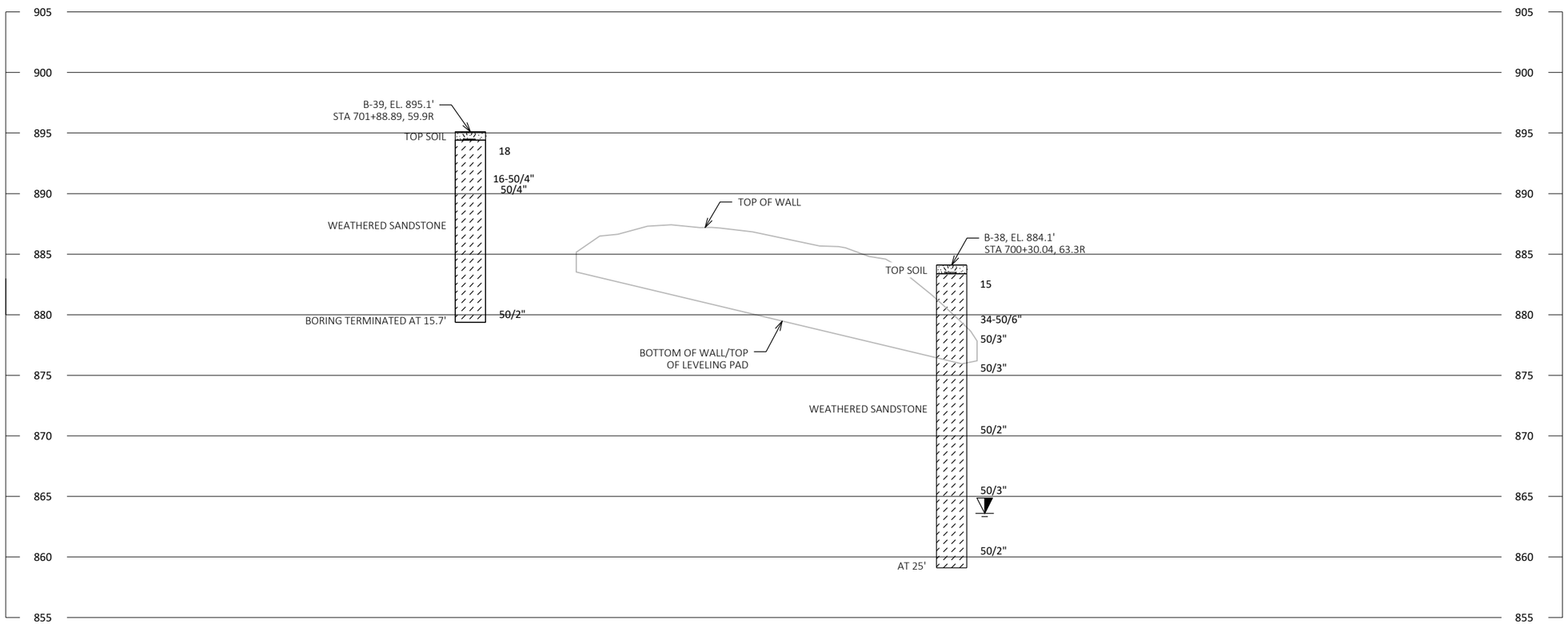
8

8

BORING #	DATE COMPLETED	NORTHING (Y)	EASTING (X)
B-38	05-08-2023	290122.48	638945.82
B-39	05-09-2023	290250.36	639040.13
BORINGS COMPLETED BY: CS DRILLING, INC.			
REPORT COMPLETED BY: TERRACON			
ALL COORDINATES REFERENCED TO (WISCRS), SAUK COUNTY NAD 83 (2007), IN U.S. SURVEY FEET			



PLAN



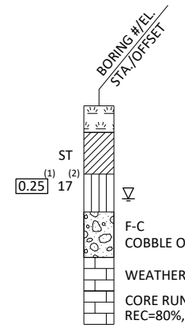
STATE PROJECT NUMBER

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MATERIAL SYMBOLS

ASPHALT, TOPSOIL, PEAT, CONCRETE, FILL, GRAVEL, SAND, CLAY, SILT, BOULDERS OR COBBLES, LIMESTONE, BEDROCK (UNKNOWN), SHALE, SANDSTONE, IGNEOUS/META

LEGEND OF BORING



(1) UNCONFINED STRENGTH, AS DETERMINED BY A POCKET PENETROMETER (TSF)

(2) UNLESS OTHERWISE, SPECIFIED THE SPT 'N' VALUE IS BASED ON AASHTO T-206, STANDARD PENETRATION TEST. THE SPT 'N' VALUE PRESENTED HAS NOT BEEN CORRECTED FOR OVERBURDEN PRESSURE OR HAMMER EFFICIENCY.

GROUND WATER ELEVATION

- AT TIME OF DRILLING
- END OF DRILLING
- AFTER DRILLING

ABBREVIATIONS

F-FINE M-MEDIUM C-COARSE ST-SHELBY TUBE

SUBSURFACE EXPLORATION FOR FOUNDATION DESIGN AND BIDDERS INFORMATION

BORINGS WERE COMPLETED AT POINTS APPROXIMATELY AS INDICATED ON THIS DRAWING TO OBTAIN INFORMATION CONCERNING THE CHARACTER OF SUBSURFACE MATERIALS FOUND AT THE SITE. BECAUSE THE INVESTIGATED DEPTHS ARE LIMITED AND THE AREA OF THE BORINGS IS VERY SMALL IN RELATION TO THE ENTIRE SITE, THE WISCONSIN DEPARTMENT OF TRANSPORTATION DOES NOT WARRANT SIMILAR SUBSURFACE CONDITIONS BELOW, BETWEEN, OR BEYOND THESE BORINGS. VARIATIONS IN SOIL CONDITIONS SHOULD BE EXPECTED AND FLUCTUATIONS IN GROUNDWATER LEVELS MAY OCCUR.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE R-56-48

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SUBSURFACE EXPLORATION

SHEET 3 OF 5
1066

SCALE =

STATE PROJECT NUMBER

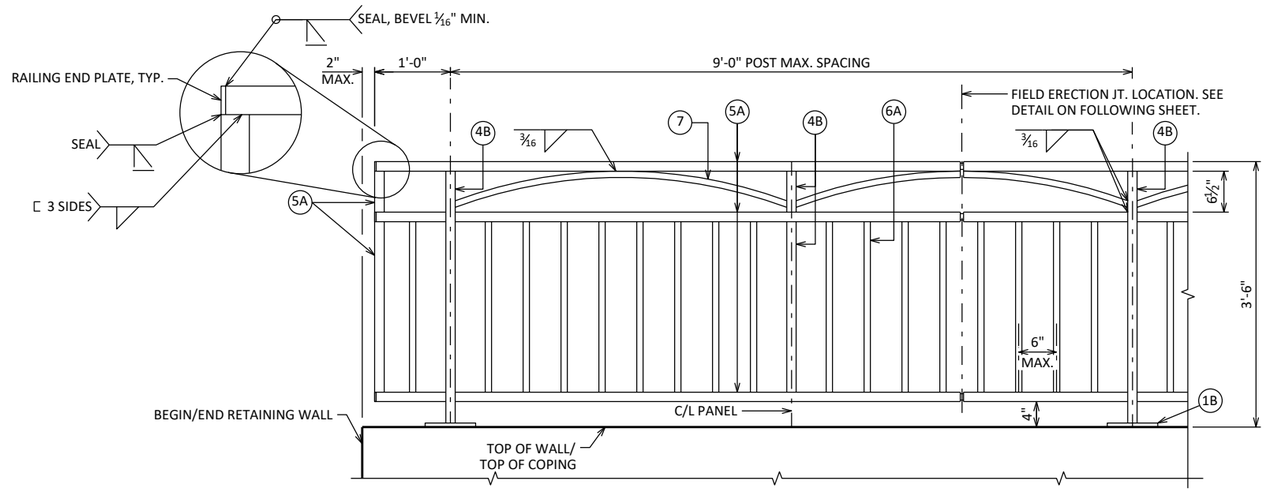
6145-01-74

NOTES

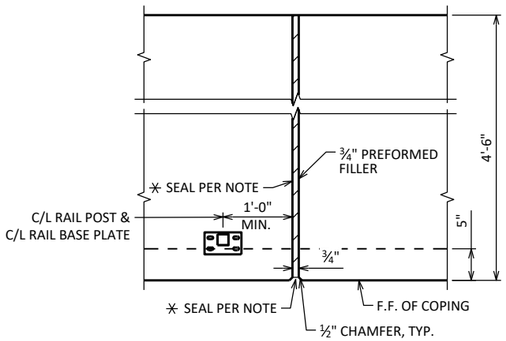
ALL BAR STEEL SHALL BE EPOXY COATED.

LAP #4 A MINIMUM OF 1'-0".

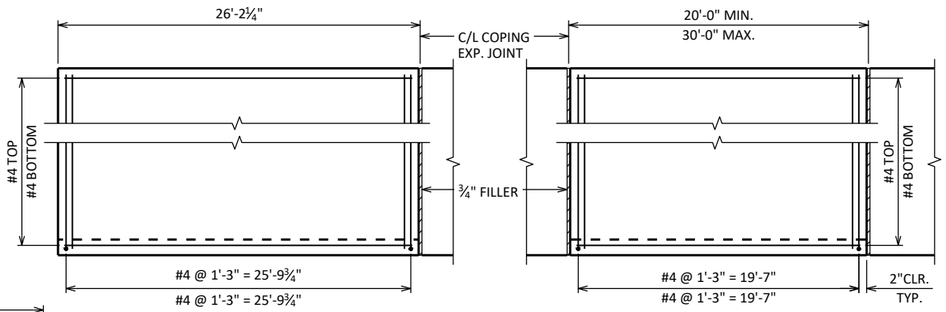
SEE SHEET 5 FOR MATERIAL PROPERTIES.



TYPE C3 PEDESTRIAN RAILING ELEVATION



■ COPING EXPANSION JOINT DETAIL

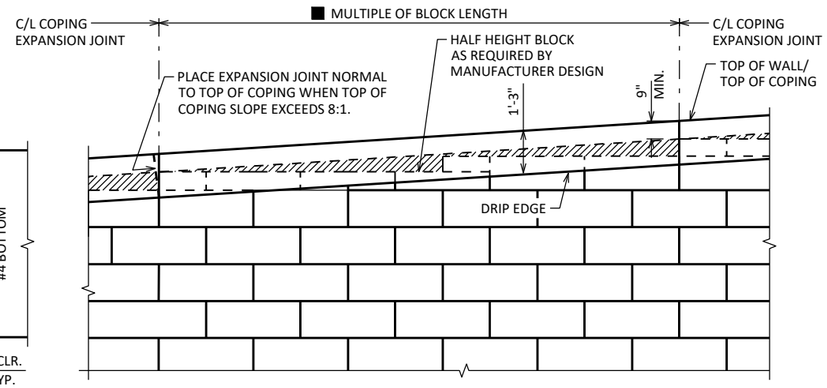


TYPICAL END PANEL

TYPICAL PANEL

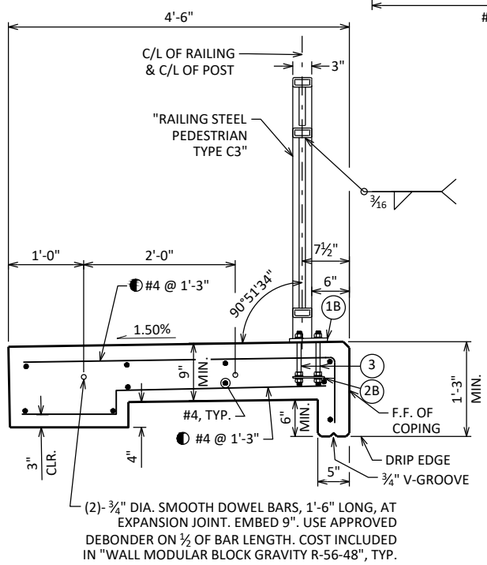
COPING PLAN

PANEL LENGTH MEASURED ALONG WALL R/L
RAILING NOT SHOWN FOR CLARITY



CAST-IN-PLACE COPING PARTIAL ELEVATION

LOOKING AT F.F. OF WALL
RAILING NOT SHOWN FOR CLARITY



SECTION THRU COPING

LEGEND

- ✳ SEAL ALL EXPOSED HORIZ. & VERT. SURFACES OF FILLER WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD 1/8" BELOW SURFACE OF CONC.)
- ■ COPING JOINTS TO BE SPACED AT A MINIMUM OF 20' AND A MAXIMUM OF 30'. DO NOT RUN BAR STEEL THRU JOINT, EXCEPT FOR DOWEL BARS. JOINT TO EXTEND FULL DEPTH OF COPING. ALL COPING JOINTS MUST COINCIDE WITH A BLOCK JOINT ON THE FRONT FACE OF WALL.
- ◐ ADJUST REBAR VERTICAL LEG AS REQUIRED TO ACCOMMODATE WALL BLOCK GEOMETRY/STEPS TO MAINTAIN 2" CLEAR COVER.
- ▨ COPING CONCRETE REQUIRED TO ACCOMMODATE WALL BLOCK GEOMETRY/STEPS SHALL BE INCIDENTAL TO BID ITEMS "WALL MODULAR BLOCK GRAVITY R-56-48".

NO.	DATE	REVISION	BY

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DEPARTMENT OF TRANSPORTATION

STRUCTURE R-56-48

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COPING & RAILING ELEVATION

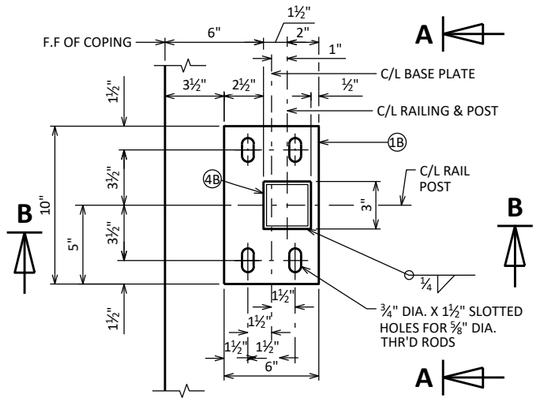
SHEET 4 OF 5
1067

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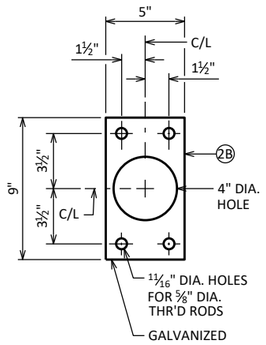
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STATE PROJECT NUMBER

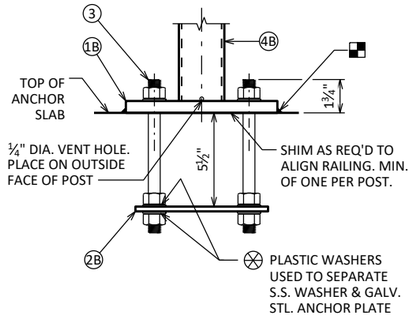
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TYPICAL RAIL POST BASE PLATE

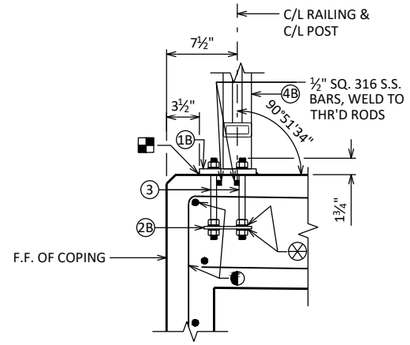


ANCHOR PLATE



SECTION A-A

NOTE: ANCHOR PLATE NOT REQUIRED WHEN ADHESIVE ANCHORS ARE USED.



SECTION B-B

NOTE: ANCHOR PLATE NOT REQUIRED WHEN ADHESIVE ANCHORS ARE USED.

◐ WHEN ADHESIVE ANCHORS ARE USED, FIELD BEND AND/OR DISPLACE TO AVOID HITTING LONGITUDINAL BAR WHEN DRILLING FOR ADHESIVE ANCHORS.

LEGEND

(1B) PLATE ⅝" X 6" X 10" WITH ¾" X 1½" SLOTTED HOLES.

(2B) ¼" X 5" X 9" ANCHOR PLATE WITH 11/16" DIA. HOLES FOR THR'D RODS NO. 3.

(3) ⅝" DIA. X 9" LONG, TYPE 316 STAINLESS STEEL THREADED RODS (MIN. TENSILE STRENGTH = 70 KSI) WITH NUT AND WASHERS OF SAME ALLOY GROUP. ALTERNATIVE ANCHORAGE: CONCRETE ADHESIVE ANCHORS ⅝-INCH. EMBED 7" IN CONCRETE FOR RAIL POSTS. ADHESIVE ANCHORS SHALL CONFORM TO SECTIONS 502.2.12 OF THE STANDARD SPECIFICATIONS.

(4B) STRUCTURAL TUBING 3" X 3" X 3/16". PLACE VERTICAL. WELD TO NO. 1 & 5.

(5A) STRUCTURAL TUBING 3" X 1½" X 3/16" RAILS. WELD TO NO. 1 & NO. 4. INSIDE OF TUBE TO BE PAINTED AT ALL FIELD ERECTION & EXPANSION JOINTS.

(6A) BAR 1" X 1" PICKETS. WELD TO NO. 5. (SPACE AT 6" MAX. C/L TO C/L SPACING). PLACE VERTICAL.

(7) BAR 1" X 1". BEND TO REQUIRED RADIUS. WELD TO NO. 4 & 5.

(9A) RECTANGULAR SLEEVE FABRICATED FROM 3/16" PLATES. PROVIDE "SLIDING FIT".

(10A) RECTANGULAR SLEEVE FABRICATED FROM 3/16" PLATES. (1'-4" @ FIELD ERECTION JTS.)

RAILING NOTES

BID ITEM SHALL BE "RAILING STEEL PEDESTRIAN TYPE C3", WHICH SHALL INCLUDE ALL STEEL ITEMS & PLASTIC WASHERS SHOWN.

POST BASE PLATES SHALL BE FLAT WITH ALL SURFACES SMOOTH AND FREE FROM WARP AND ALL EDGES SMOOTH, STRAIGHT, AND VERTICAL. ALL PLATE CUTS SHALL BE MACHINE OR MACHINE FLAME CUT.

ALL PLATES, BARS, AND RECTANGULAR SLEEVES SHALL CONFORM TO ASTM A709 GRADE 36. ALL STRUCTURAL TUBING SHALL CONFORM TO ASTM A500 GRADE B.

ANCHORAGES SHALL BE ACCURATELY PLACED TO PROVIDE CORRECT ALIGNMENT OF RAILING. SET NORMAL TO GRADE.

CUT BOTTOM OF POST TO MAKE POST VERTICAL IN BOTH TRANSVERSE AND LONGITUDINAL DIRECTION.

STEEL SHIMS SHALL BE PROVIDED & USED UNDER BASE PLATES WHERE REQUIRED FOR ALIGNMENT, AND SHALL BE GALVANIZED.

■ CAULK AROUND PERIMETER OF BASE PLATES, NO. 1, AND FILL BOLT SLOT OPENINGS IN SHIMS AND BASE PLATES WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER.

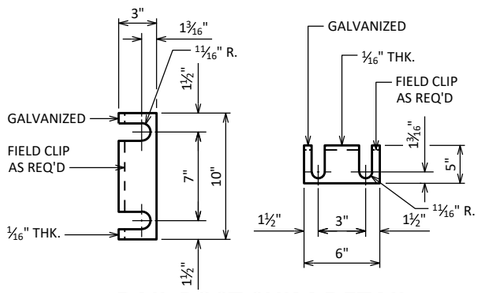
ALL JOINTS AND RECESSES IN CONCRETE PARAPET ARE TO BE VERTICAL.

ALL MATERIAL (EXCEPT NO. 3) SHALL BE GALVANIZED AFTER FABRICATION. PRIOR TO GALVANIZING, THE STEEL RAILING SHALL BE GIVEN A NO. 6 BLAST CLEANING PER SSPC SPECIFICATIONS. PAINT OVER GALVANIZING WITH AN APPROVED TIE COAT AND TOP COAT AS SPECIFIED IN THE CONTRACT DOCUMENTS. THE RAILING SHALL BE PAINTED AMS STD. COLOR NO. 27038 (BLACK).

VENT HOLES SHALL BE DRILLED IN POST AND RAIL MEMBERS AS REQUIRED TO FACILITATE GALVANIZING AND DRAINAGE.

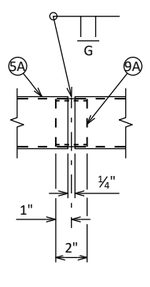
RAILING SHALL BE FABRICATED IN LENGTHS THAT INCLUDE 3 OR 4 POSTS.

TOUCH-UP PAINTING TO BE DONE AT COMPLETION OF STEEL RAILING INSTALLATION TO THE SATISFACTION OF THE ENGINEER AT NO EXTRA COST.



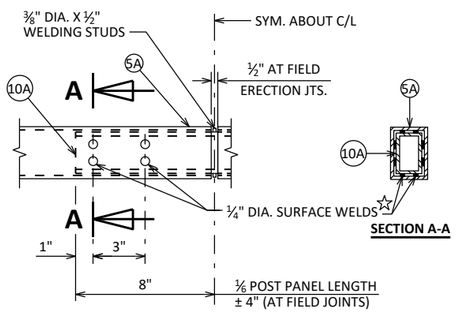
RAIL POST SHIM DETAIL

(2 SETS PER POST)



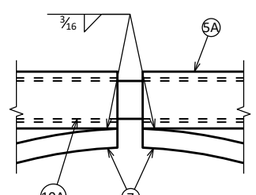
SHOP RAIL SPLICE DETAIL

(LOCATION MUST BE SHOWN ON SHOP DRAWINGS)



FIELD ERECTION JOINT DETAIL

☆ MIN. ⅝" FLAT SURFACE DIA. PUNCHINGS OR STUDS MAY BE USED AS AN ALTERNATE.



CURVED MEMBER JOINT DETAIL

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE R-56-48

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PEDESTRIAN RAIL TYPE 'C3' DETAILS

SHEET 5 OF 5

1068

8

8

DESIGN DATA

CONTRACTOR DESIGNED OVERHEAD SIGN STRUCTURES SHALL BE DESIGNED ACCORDING TO THE AASHTO "LRFD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNALS", 1ST EDITION AND INTERIM SPECIFICATIONS, AND THE WISDOT BRIDGE MANUAL.

STANDARD FOUNDATIONs DESIGNED ACCORDING TO THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, 8TH EDITION.

DEAD LOAD: WT. OF SIGN AND SUPPORTING STRUCTURE
ICE LOAD: 3 PSF TO ONE FACE OF SIGN & SURFACE OF MEMBERS
WIND PRESSURE: 115 MPH (3-SEC. GUST SPEED) TO SIGN AREA & EXPOSED MEMBERS (700 YEAR MEAN RECURRENCE INTERVAL)

WIND COMPONENTS	NORMAL	TRANSVERSE
LOAD CASE 1:	1.00	0.00
LOAD CASE 2:	0.00	1.00
LOAD CASE 3:	0.75	0.75

LOAD COMBINATIONS

STRENGTH I:	1.25 DC + 1.6 LL
EXTREME I (MAX DC):	1.1 DC + 1.0 W + 1.0 ICE
EXTREME I (MIN DC):	0.9 DC + 1.0 W
SERVICE I:	1.0 DC + 1.0 W
FATIGUE:	1.0 NW (NATURAL WIND GUST)
	1.0 TrG (TRUCK INDUCED GUST)
	1.0 GVW (GALLOPING - CANTILEVER ONLY)

MATERIAL PROPERTIES

CONCRETE MASONRY ——— f'_c = 3,500 PSI

HIGH STRENGTH STEEL REINFORCEMENT, GRADE 60 ——— f_y = 60,000 PSI

STRUCTURAL ANGLES, PLATES & BARS - ASTM A709 GRADE 36 ——— f_y = 36,000 PSI

HIGH STRENGTH BOLTS - ASTM A3125 GRADE A325 ——— f_y = 92,000 PSI

ANCHOR RODS - ASTM F1554 GRADE 55 ——— f_y = 55,000 PSI

HEAVY HEX NUTS - ASTM A563 GRADE DH OR ASTM A194 GRADE 2H

WASHERS - ASTM F436

DTI WASHERS - ASTM F959 TYPE 325

FOUNDATION DATA

SIGN STRUCTURE FOUNDATIONS ARE SUPPORTED ON DRILLED SHAFTS THAT HAVE BEEN DESIGN FOR SITES WHERE SOILS EXHIBIT A PHI-ANGLE GREATER THAN OR EQUAL TO 24° (GRANULAR SOILS), OR A COHESION VALUE GREATER THAN OR EQUAL TO 750 PSF (COHESIVE SOILS) AND A UNIT WEIGHT OF 125 PCF. THE GROUND WATER TABLE FOR DESIGN IS ASSUMED TO BE AT A DEPTH OF 10'-0" BELOW THE GROUND SURFACE, ACTUAL WATER LEVEL AT SITE MAY VARY. THE REGION GEOTECHNICAL ENGINEER SHALL VISUALLY INSPECT THE SUBSURFACE SOILS DURING THE DRILLING OF THE SHAFT HOLE TO CONFIRM THESE PROPERTIES PRIOR TO PLACEMENT OF THE DRILLED SHAFT CONCRETE.

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

ALTERNATE DESIGNS ARE NOT ALLOWED.

COORDINATES ON THIS PLAN ARE REFERENCED TO THE WISCONSIN COORDINATE REFERENCE SYSTEM (WISCRS), SAUK COUNTY, NAD 83 (2007). ALL STATIONS AND ELEVATIONS ARE IN FEET. ELEVATIONS ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM NAVD 88 (2007).

ALL REINFORCING BARS ARE IN ENGLISH UNITS. THE FIRST DIGIT OF A THREE-DIGIT BAR MARK OR THE FIRST TWO DIGITS OF A FOUR-DIGIT BAR MARK SIGNIFIES THE BAR SIZE.

SIGN BRIDGE ID PLAQUES SHALL BE CONSIDERED INCIDENTAL TO THE TRUSS OR MONOTUBE BID ITEMS FOR EACH APPLICABLE SIGN STRUCTURE IN THE PLAN SET. LOCATE THE ID PLAQUE ON THE FREEWAY SIDE OF THE SUPPORT COLUMN SO THAT IT CAN BE SEEN FROM THE ROADWAY. FABRICATE AND INSTALL THE ID PLAQUE IN ACCORDANCE WITH S.D.D. 12 A4-3.

UNLESS DETAILED OTHERWISE IN THE PLANS, ALL H.S. BOLTED CONNECTIONS SHALL BE MADE WITH ¾" DIA. A325 GALVANIZED BOLTS. FIELD CONNECTIONS SHALL BE INSTALLED WITH DTI WASHERS.

WELDED CONNECTIONS CAN BE USED IN LIEU OF BOLTED CONNECTIONS, IF A TRUSS UNIT CAN BE GALVANIZED IN ONE PIECE.

WELD TEST AS PER AWS D1.1.

SEE SIGN PLATE NO. A4-6, A4-7A & A4-7B OF THE SIGN PLATE MANUAL FOR INSTRUCTIONS ON CENTERING SIGNS VERTICALLY ON THE TRUSS.

SIGNS OR BLANKS SHALL BE INSTALLED ON TRUSS AT TIME OF ERECTION. BLANKS SHALL BE ¼ THE LENGTH OF THE CANTILEVER SPAN, 2'-0" DEEPER THAN THE C/L TO C/L OF CHORDS, AND SHALL BE CENTERED ON THE BRIDGE. SIGNS SHALL BE AS DESIGNATED ON THE PLANS.

THE INFORMATION SHOWN ON THESE DRAWINGS CONCERNING TYPE AND LOCATION OF UTILITIES IS NOT GUARANTEED TO BE ACCURATE OR ALL-INCLUSIVE. THE CONTRACTOR IS RESPONSIBLE FOR MAKING HIS OWN DETERMINATION OF THE TYPE AND LOCATION OF UTILITIES AS MAY BE NECESSARY TO AVOID DAMAGE.

CONTRACTOR SHALL SUBMIT SHOP DRAWINGS PER THE REQUIREMENTS IN THE STANDARD SPECIFICATIONS PRIOR TO FABRICATION OF THE STRUCTURE. CONTRACTOR SHALL SHOW SIGNS ON THE SHOP DRAWINGS.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR DRILLING OR EXCAVATING AND MAINTAINING A STABLE AND OPEN HOLE FOR SUBSEQUENT INSTALLATION OF CONCRETE MASONRY FOR THE DRILLED SHAFTS. PARTIAL OR FULL DEPTH TEMPORARY CASING MAY BE REQUIRED TO MAINTAIN THE STABILITY OF THE EXCAVATED HOLE FOR THE SIGN SUPPORT PRIOR TO FILLING THE HOLE WITH CONCRETE. PERMANENT CASING MADE FROM STEEL OR CORRUGATED METAL PIPE MAY BE USED IN LIEU OF TEMPORARY CASING. TEMPORARY/PERMANENT CASING, IF USED, SHALL BE INCIDENTAL TO THE BID ITEM "DRILLING SHAFT 36-INCH".

STRUCTURE DATA

STRUCTURE ID	SIGN AREA	SIGN DEPTH	FOUNDATION TYPE	TRUSS TYPE
S-56-31	274.5 SF	10'-0"	TYPE TF-II	TF-II

STATE PROJECT NUMBER

6145-01-74

TRAFFIC VOLUME

A.D.T. (2045) = 21,900
R.D.S. = 40 MPH

LIST OF DRAWINGS:

1. GENERAL NOTES & DESIGN DATA
2. LAYOUT S-56-31

LIST OF STANDARD DESIGN DRAWINGS

3. I. MONOTUBE & 2-CHORD TRUSS CONNECTIONS 1
4. II. MONOTUBE & 2-CHORD TRUSS CONNECTIONS 2
5. III. MONOTUBE & 2-CHORD TRUSS ELECTRICAL DETAILS
6. IV. MONOTUBE & 2-CHORD TRUSS FOUNDATIONS

TOTAL ESTIMATED QUANTITES

BID ITEM NO.	BID ITEM	UNIT	S-56-7	S-56-31
204.0246	REMOVING ANCILLARY STRUCTURE S-56-7	EACH	1	-
531.2036	DRILLING SHAFT 36-INCH	LF	-	40
531.5420	FOUNDATION SINGLE-SHAFT TYPE TF-II S-56-31	EA	-	2
532.5420	TRUSS FULL SPAN 2-CHORD TYPE TF-II S-56-31	EA	-	1

ALL ITEMS ARE CATEGORY 0080, UNLESS NOTED OTHERWISE

STRUCTURE DESIGN CONTACTS:
WYATT ROZMENOSKI 414-266-1500
AARON BONK 608-261-0261

THESE ARE STANDARD DESIGN PLANS DEVELOPED AND MAINTAINED BY THE WISDOT. THE DESIGNER CERTIFIES THAT THE DESIGN AND PLAN DETAILS CHOSEN ARE CONSISTENT WITH THE GUIDANCE PROVIDED IN THE CURRENT WISDOT BRIDGE MANUAL CHAPTER 39.

WISCONSIN PROFESSIONAL ENGINEER
WYATT ROZMENOSKI
47659
MILWAUKEE, WI
4/16/2025

NO.	DATE	REVISION	BY

GRÄEF
275 W. Wisconsin Avenue
Suite 300
Milwaukee, WI 53203
414 / 259 1500
414 / 259 0037 fax
www.graef-usa.com

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORATION

ACCEPTED MJK 06/09/2025
CHIEF STRUCTURES DESIGN ENGINEER — DATE

MONOTUBE & 2-CHORD

USH 12 WB, SOUTH OF INTERSECTION STH 13/16/23

COUNTY	CITY
SAUK	WISCONSIN DELLS

DESIGN SPEC.
AASHTO LRFD BRIDGE DESIGN SPECIFICATION

DESIGNED BY	DESIGNED CK'D	DRAWN BY	PLANS CK'D
WAR	KGW	WAR	KGW

GENERAL NOTES & DESIGN DATA

SHEET 1 OF 6
1069

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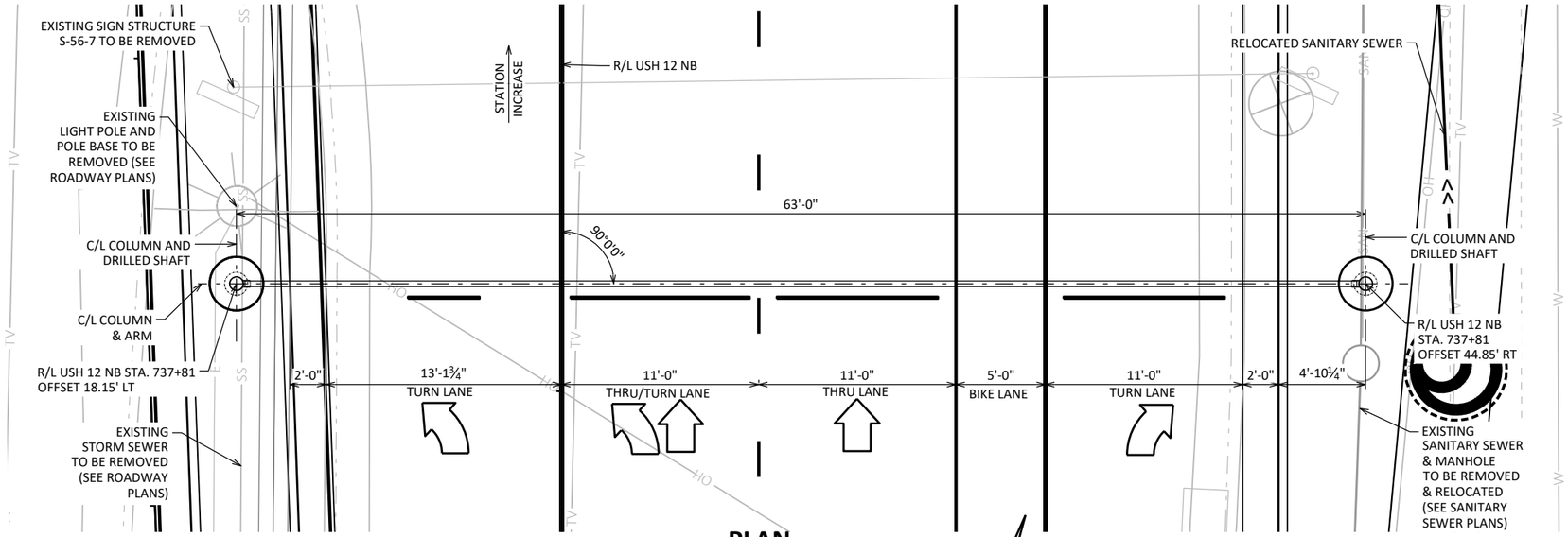
I.D. 6145-01-02
DATE: 2025

8

8

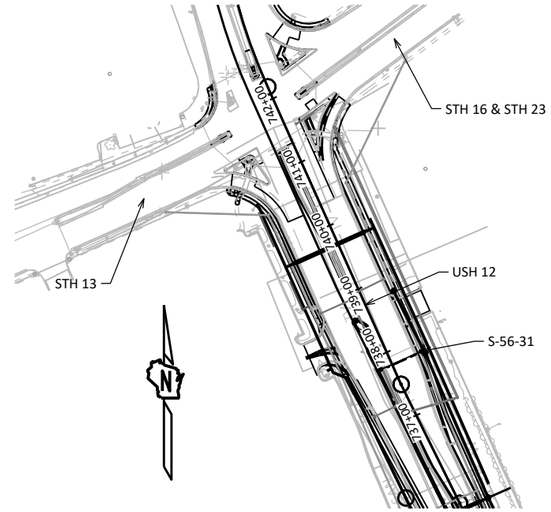
STATE PROJECT NUMBER

6145-01-74

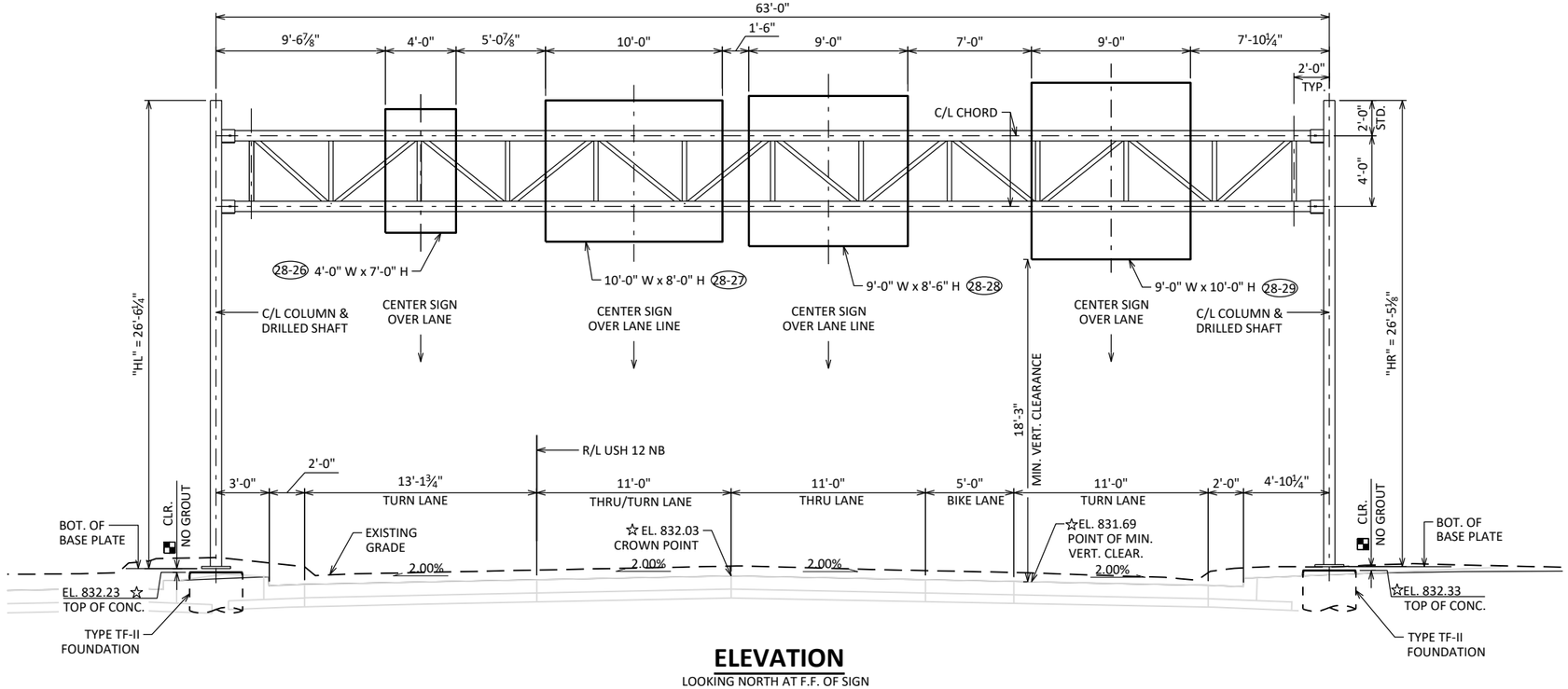


PLAN

STA. 737+81 USH 12 NB
900 FT SOUTH OF INTERSECTION STH 13/16/23



LOCATION MAP



ELEVATION

LOOKING NORTH AT F.F. OF SIGN

NOTE

POINT OF MIN. VERTICAL CLEARANCE
STA. 737+18, 27.78' (RIGHT) EL. 831.69

LEGEND

☆ ELEVATIONS GIVEN ALONG C/L STRUCTURE

(XXX) SIGN NUMBER, SEE PERMANENT SIGNING PLAN

■ STANDOFF DIMENSION IS ASSUMED TO BE 2½", BUT IS A MAX. OF 2 x ANCHOR ROD DIAMETER. SEE FOUNDATION DETAILS SHEET AND SHOP DRAWINGS FOR MORE INFORMATION.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE S-56-31

DRAWN BY WAR | PLANS CK'D KGW

LAYOUT S-56-31

SHEET 2 OF 6
1070

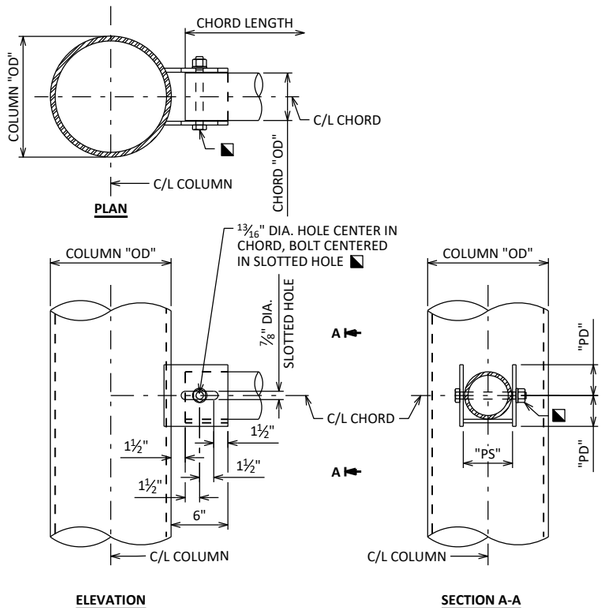
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STATE PROJECT NUMBER

STANDARD



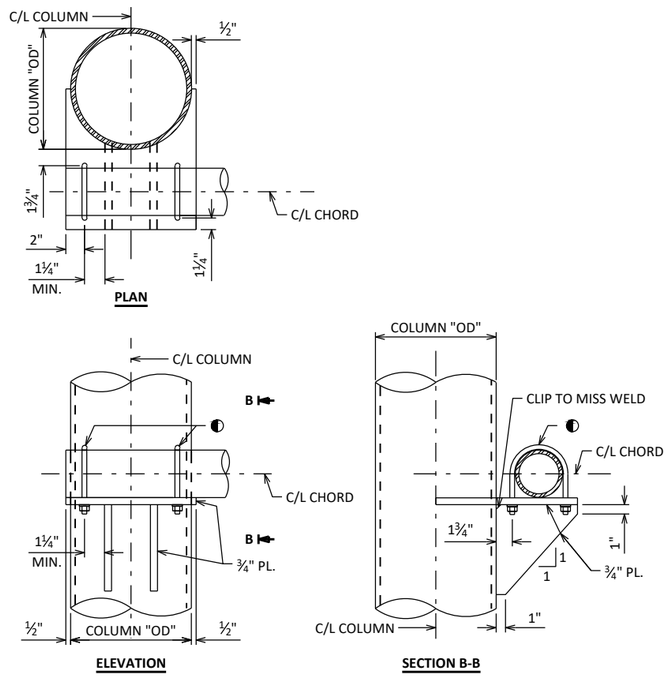
FULL SPAN SADDLE CONNECTION

PREFERRED OPTION

◪ ¾" GALVANIZED A325 OR A449 HEAVY HEX BOLT, NUT AND WASHER SNUG TIGHT ONLY, DO NOT OVER TIGHTEN

"PD" = CHORD "OD"/2 + ¾"

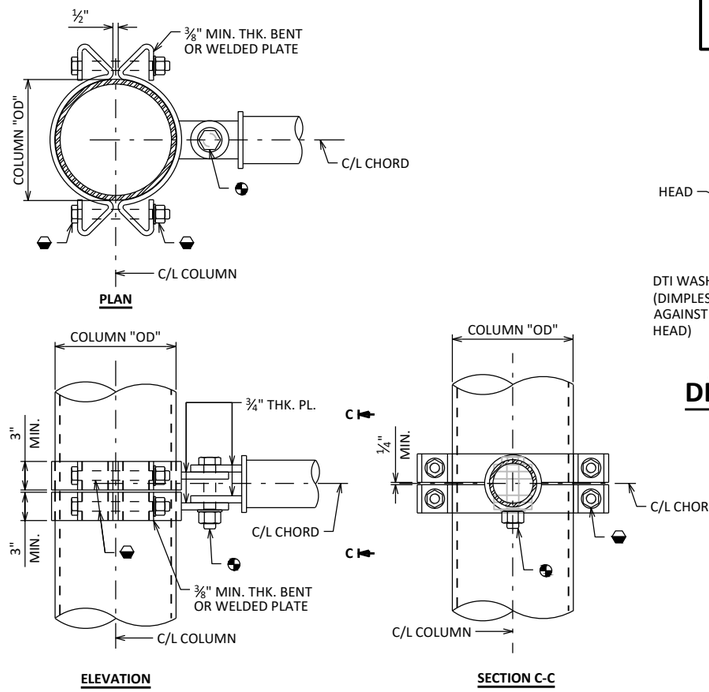
"PS" = CHORD "OD" + 1/16"



FULL SPAN STIFFENED BEARING CONNECTION

ALTERNATE 1

◐ MIN. (2) ½" MIN. GALVANIZED OR STAINLESS U-BOLT, LOCK NUT AND WASHER

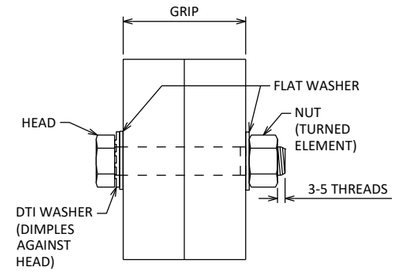


FULL SPAN CLAMP CONNECTION

ALTERNATE 2 - TAPERED COLUMNS ONLY

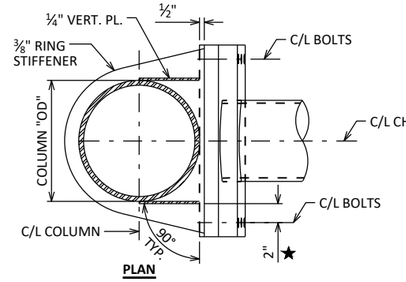
◓ 1¼" GALVANIZED A325 HEAVY HEX BOLT, NUT AND WASHER

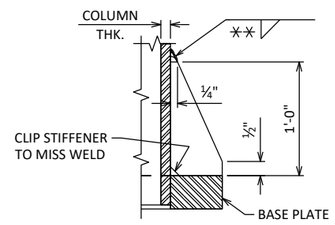
◒ 1" GALVANIZED A325 HEAVY HEX BOLT, NUT AND WASHER

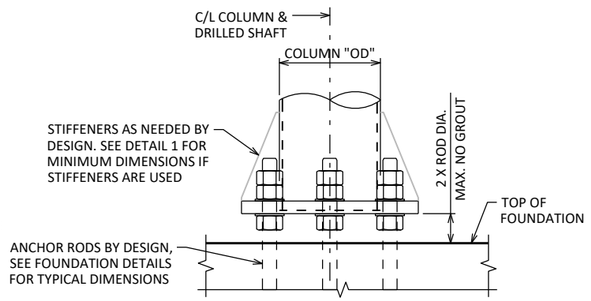


RECOMMENDED BOLT DETAIL WITH DTI WASHER

NUT IS TURNED ELEMENT

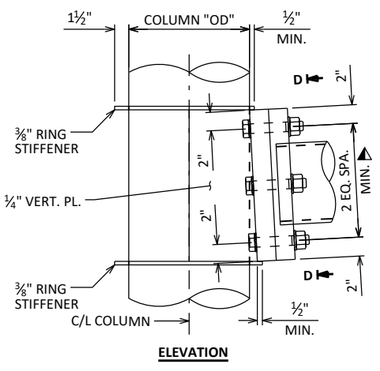


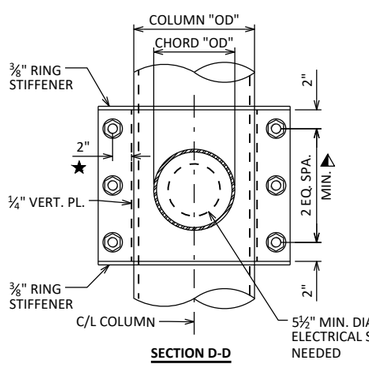




PREFERRED BASE PLATE CONNECTION

LOOKING AT F.F. OF STRUCTURE.
ALTERNATE BASE PLATE DESIGNS ALLOWED.

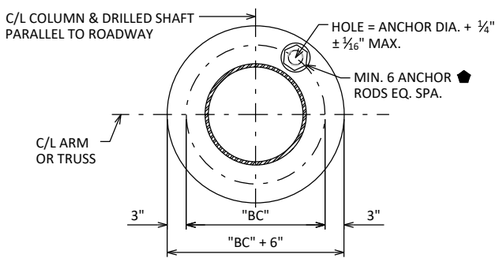




CANTILEVER POST TO CHORD CONNECTION

◭ MIN. (6) 1" GALVANIZED A325 HEAVY HEX BOLT, NUT, DTI WASHER AND WASHER

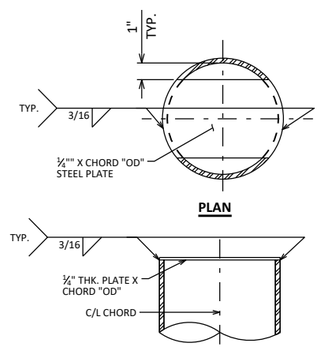
★ MIN. DIMENSIONS MEASURED FROM EXT. FACE OF VERTICAL PLATE.



BASE PLATE

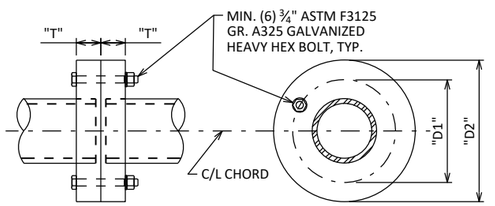
"BC" = COLUMN "OD" + 6"

⬟ ANCHOR SIZE AND ORIENTATION TO BE VERIFIED WITH SHOP DRAWINGS.



CHORD CAP DETAIL

CANTILEVERS ONLY



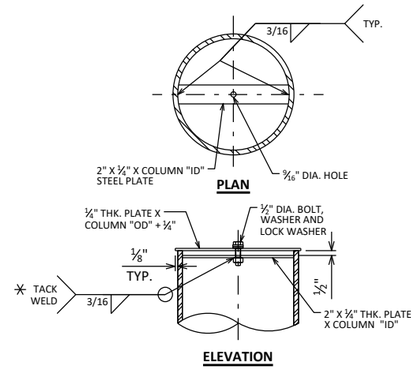
CHORD SPLICE DETAIL

"D1" = COLUMN "OD" + (1.5 x DB)

"D2" = COLUMN "OD" + (3 x DB)

"T" = (BY DESIGN)

DB = BOLT DIAMETER (BY DESIGN)



TOWER CAP DETAIL

✳ PLACE TACK WELD EVERY OTHER FLAT TO SECURE NUT.
ALTERNATE: USE ½" THK. PL. AND DRILL AND TAP HOLE FOR BOLT.

NOTES:

MINIMUM VALUES SHOWN. ALL CONNECTIONS ARE TO BE DESIGNED FOR ACTUAL STRUCTURAL LOADS.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

UPDATED: JAN. 2023

DRAWN BY: BOS | PLANS CK'D

MONOTUBE & 2-CHORD TRUSS CONNECTIONS 1

SHEET 1 — 1071

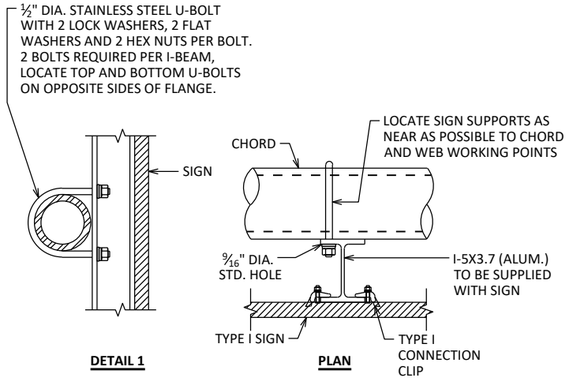
SCALE = 2.0

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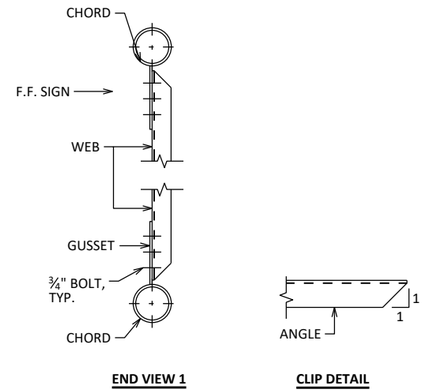
STATE PROJECT NUMBER

STANDARD



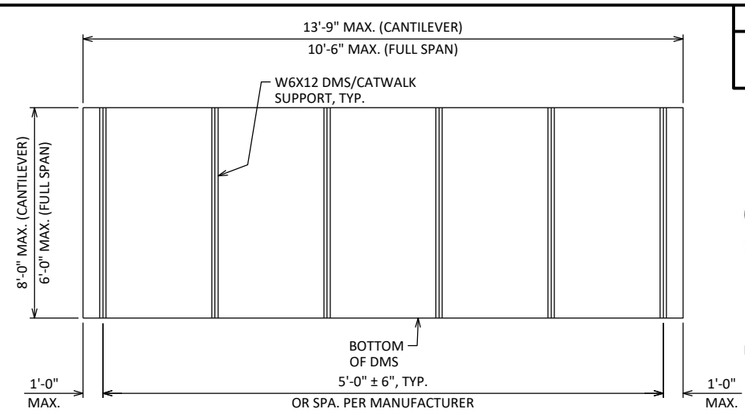
2-CHORD TRUSS SIGN CONNECTION

TYPE I SIGN PANEL SHOWN.
SEE SIGN PLATE MANUAL A4-7A AND A4-7BFOR DETAILS.
ALUMINUM I-5X3.7 I-BEAMS ARE TO BE SUPPLIED WITH SIGN PANEL, HARDWARE TO BE SUPPLIED BY THE CONTRACTOR.



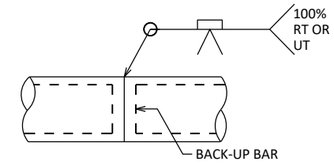
TRUSS CONNECTION DETAILS

MEMBER ORIENTATION FOR BOLTED CONNECTIONS SHOWN, WELDED CONNECTIONS SIMILAR



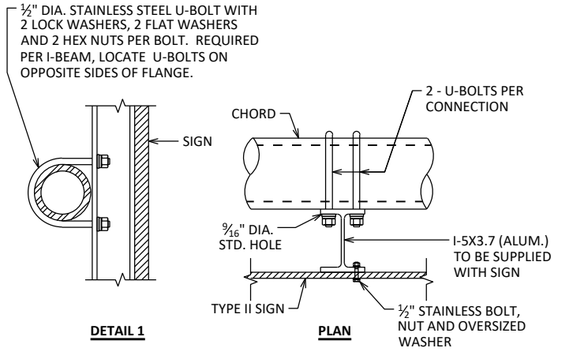
DMS MOUNTING POST DETAIL

POST SPACING MAY BE ADJUSTED AS REQUIRED IF SPACING CONFLICTS WITH GUSSET PLATES OF TRUSS WITHIN TOLERANCES NOTED.



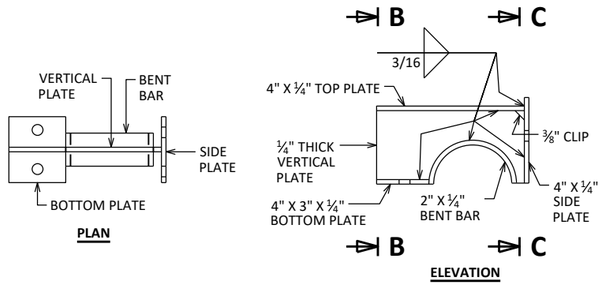
CHORD SPLICE

SEPARATE OPTIONAL SPLICE FROM GUSSET PLATES BY 6" MIN.



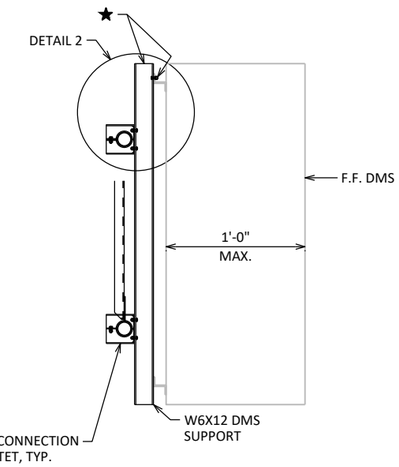
MONOTUBE SIGN CONNECTION

TYPE II SIGN PANEL SHOWN.
SEE SIGN PLATE MANUAL A4-7A AND A4-7B FOR DETAILS.
ALUMINUM I-5X3.7 I-BEAMS ARE TO BE SUPPLIED WITH SIGN PANEL, HARDWARE TO BE SUPPLIED BY THE CONTRACTOR.



DMS WELDED PLATE CONNECTION DETAILS

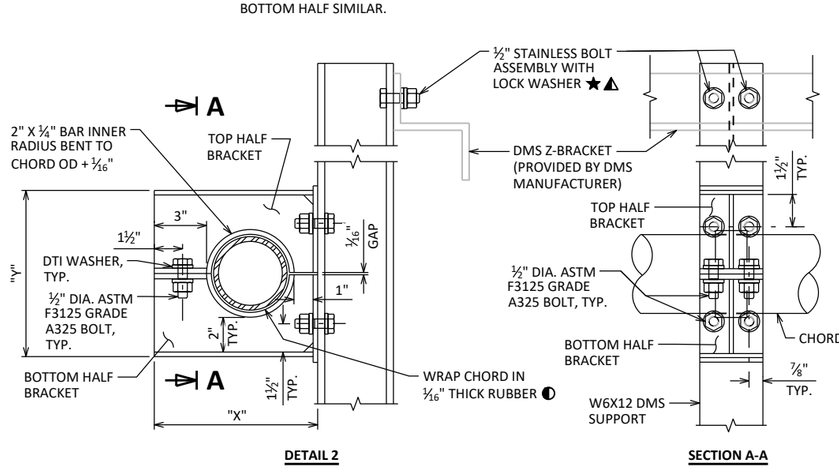
TOP HALF OF BRACKET SHOWN, BOTTOM HALF SIMILAR.



SECTION THRU TRUSS - DMS

FOR DMS/CATWALK CONNECTIONS

★ W6X12 SUPPORTS AND HARDWARE ARE TO BE SUPPLIED BY THE CONTRACTOR. ½" STAINLESS BOLT, NUT, WASHER AND LOCK WASHER REQUIRED, 4 PER W6X12

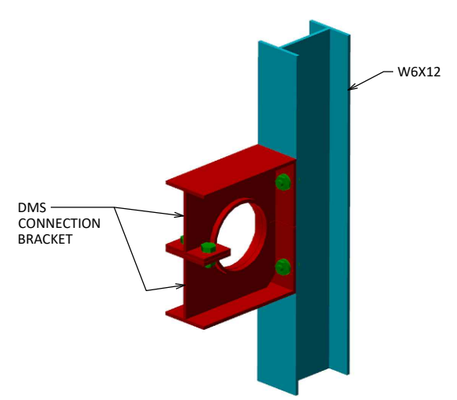


CHORD "OD"	"X"	"Y"
"OD"	"OD" + $4\frac{13}{16}$"	"OD" + $5\frac{5}{16}$"

TYPICAL DMS CONNECTION

◐ NEOPRENE, GRADE 45±5, OTHERWISE MEETING THE REQUIREMENTS OF STD. SPEC. 506.2.6.1

▲ IF DMS CONNECTION BRACKET IS USED WITH A TYPE II SIGN PANEL, THE BOLT HOLE MUST BE GALVANIZED AND A STAINLESS WASHER USED BETWEEN THE I-BEAM AND SIGN PANEL.



3-D VIEW OF DMS CONNECTION

CHORD NOT SHOW FOR CLARITY

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

UPDATED: JAN. 2023

DRAWN BY: BOS | PLANS CK'D:

MONOTUBE & 2-CHORD TRUSS CONNECTIONS 2

SHEET II
1072

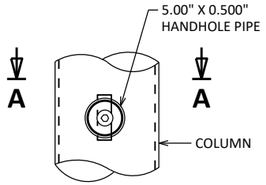
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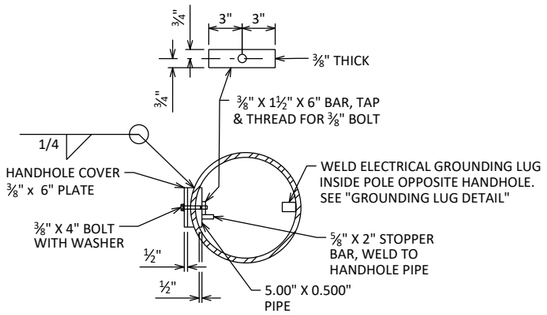
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STATE PROJECT NUMBER

STANDARD



ELEVATION

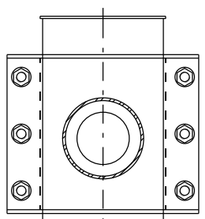


SECTION A-A

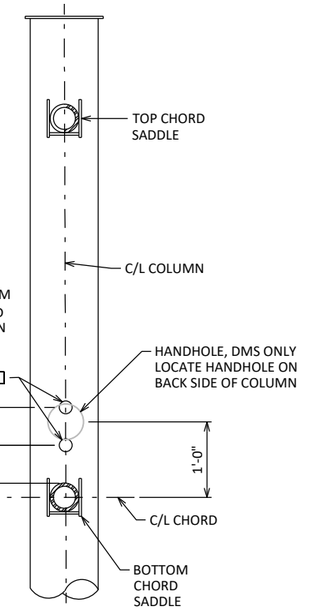
HANDHOLE DETAILS

HANDHOLES SHALL BE LOCATED IN ONE COLUMN OF THE SIGN BRIDGE STRUCTURE IF ELECTRICALLY OPERATED DEVICES ARE INSTALLED ON/IN THE STRUCTURE. COLUMNS WITH HANDHOLES SHALL BE NEAR THE ELECTRICAL SERVICE. THE CONTRACTOR SHALL VERIFY THE LOCATION OF THE ELECTRICAL SERVICE ENTRANCE WITH THE REGION TRAFFIC SECTION PRIOR TO FABRICATION OF THE SIGN BRIDGE COLUMNS AND MEMBERS. CONDUIT (AS REQ'D.) SHALL BE LOCATED, PLACED AND SIZED AS SHOWN ON THE ELECTRICAL PLAN DETAIL SHEETS.

UNLESS OTHERWISE NOTED, ALL HANDHOLE ELEMENTS TO BE GALVANIZED PER THE WISDOT STANDARD SPECIFICATIONS.



2-CHORD CANTILEVER

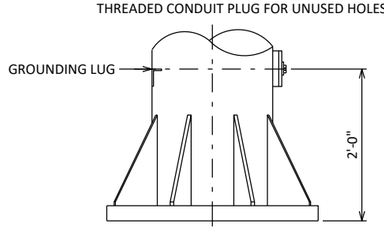


2-CHORD FULL SPAN

SADDLE CONNECTION SHOWN, OTHERS SIMILAR

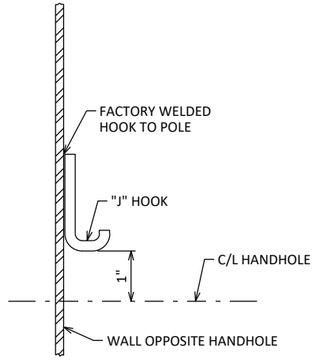
CONDUIT HOLE LOCATIONS

◧ 2" HOLE WITH STANDARD PIPE THREADS, USE THREADED CONDUIT PLUG FOR UNUSED HOLES



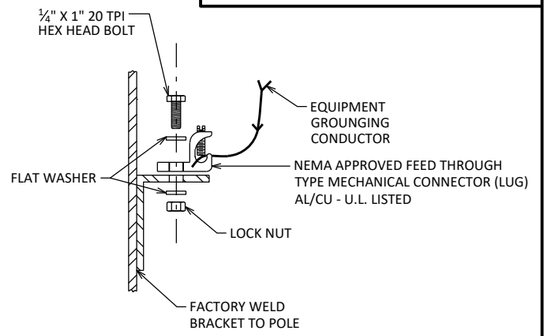
GROUNDING LUG LOCATION

LOOKING AT THE F.F. OF STRUCTURE



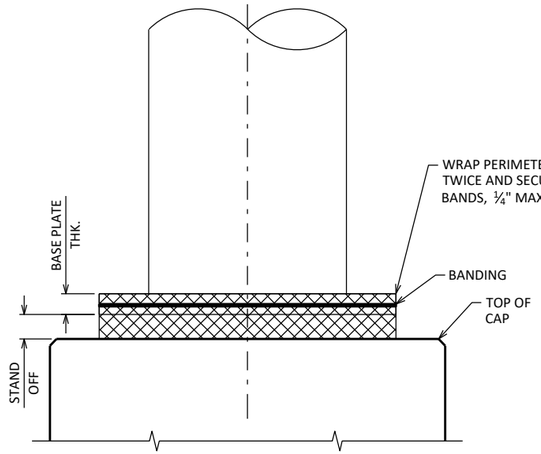
TYPICAL "J" HOOK LOCATION

THE "J" HOOK SHALL BE FACTORY WELDED TO THE INSIDE OF THE COLUMN CONTAINING ELECTRICAL WIRING. THE "J" HOOK SHALL BE ATTACHED ABOVE THE CENTERLINE OF THE UPPER HANDHOLE AND MOUNTED DIRECTLY OPPOSITE THE HANDHOLE AS SHOWN IN THE DRAWING.



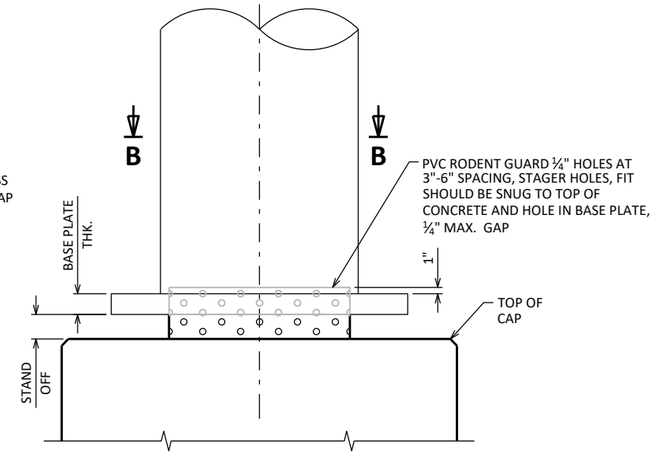
GROUNDING LUG DETAIL

NUT, BOLT AND WASHERS SHALL BE STAINLESS STEEL



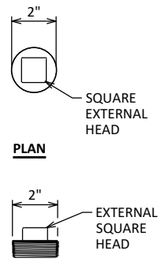
RODENT SCREEN

ONLY REQ'D WHEN ELECTRICAL DEVICES ARE PRESENT
ANCHOR RODS NOT SHOWN



RODENT SCREEN - ALTERNATE

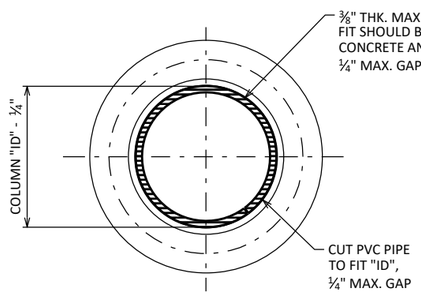
ONLY REQ'D WHEN ELECTRICAL DEVICES ARE PRESENT
ANCHOR RODS NOT SHOWN



PLAN

ELEVATION

CONDUIT PLUG DETAILS



SECTION B-B

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

UPDATED: JAN. 2023

DRAWN BY: BOS | PLANS CK'D:

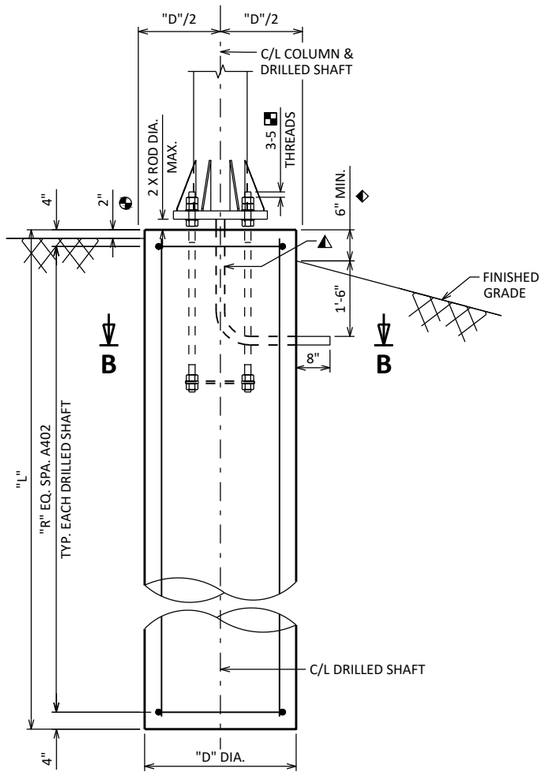
MONOTUBE & 2-CHORD TRUSS ELECTRICAL DETAILS

SHEET III
1073

SCALE = 2.0

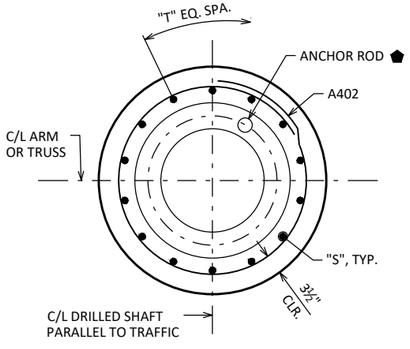
8

8



ELEVATION

- TYPICAL FOR DRILLED SHAFT FOOTINGS INSTALLED ADJACENT TO SIDEWALKS OR BEHIND CURB AND GUTTER ON LOW SPEED ROADS. TOP OF SHAFT SHALL BE FLUSH IF SURROUNDED BY CONCRETE AND 2" ABOVE FINISHED GRADE FOR ALL OTHER SURFACES.
- TYPICAL FOR EACH DRILLED SHAFT FOOTING INSTALLED ADJACENT TO ROADWAY FACILITIES OR ON SIDE SLOPES WITHIN CLEAR ZONE. BARRIER OR BEAMGUARD MAY BE REQUIRED.



SECTION B-B

TYPICAL FOR EACH DRILLED SHAFT FOOTING

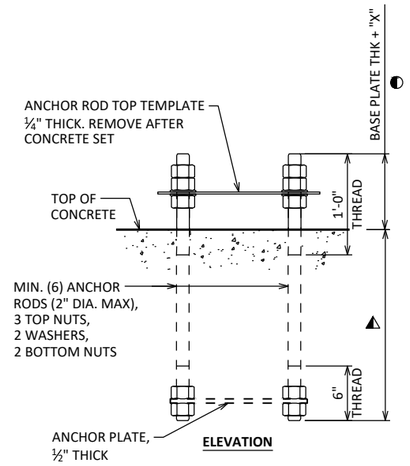
FOUNDATION DIMENSION DATA

STANDARD DESIGN TYPE	FOUNDATION DIMENSIONS					
	"D"	"L"	"R"	"S"	"T"	"BC" MAX.
MFI	2'-0"	12'-0"	12	A801	6	1'-0"
MFII	2'-6"	13'-0"	13	A801	10	1'-5"
MCI/MCII/TFI	2'-6"	17'-0"	17	A801	10	1'-5"
TCI	3'-0"	18'-0"	18	A801	14	1'-10"
TFII	3'-0"	20'-0"	20	A801	14	1'-10"
MCIII/TCII/TFIII	3'-6"	18'-0"	18	A901	14	2'-4"
MCIV/TFIV	3'-6"	23'-0"	23	A901	14	2'-4"
TCIII	4'-0"	23'-0"	23	A1001	14	2'-10"
TCIV	4'-0"	28'-0"	28	A1001	14	2'-10"

ESTIMATED QUANTITIES - FOUNDATION

STANDARD DESIGN TYPE	CONCRETE MASONRY	STEEL REINFORCEMENT HS	FOUNDATION DRILLING (DIA.) (LF)				
	(CY)	(LBS)	24"	30"	36"	42"	48
MFI	2	240	12	---	---	---	---
MFII	3	410	88	13	---	---	---
MCI/MCII/TFI	4	540	---	17	---	---	---
TCI	5	780	---	---	18	---	---
TFII	6	860	---	---	20	---	---
MCIII/TCII/TFIII	7	970	---	---	---	18	---
MCIV/TFIV	9	1,250	---	---	---	23	---
TCIII	11	1,560	---	---	---	---	23
TCIV	13	1,900	---	---	---	---	28

✶✶ QUANTITIES ARE FOR INFORMATION ONLY AND ARE BASED ON A SINGLE DRILLED SHAFT. MULTIPLY BY 2 FOR FULL SPAN STRUCTURES.



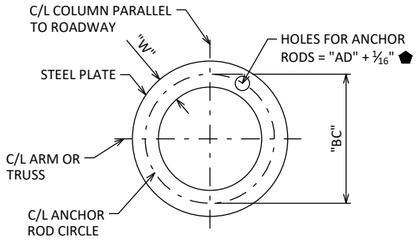
ANCHOR ROD ASSEMBLY DETAILS

ANCHOR RODS PER ASSEMBLY TO BE DESIGNED BY CONTRACTOR AND SHOWN ON SHOP DRAWINGS. SHOW DIAMETER, NUMBER, ORIENTATION AND EMBEDMENT OF ANCHOR RODS.

CENTER ANCHOR ROD ASSEMBLY AND ENSURE ASSEMBLY IS PLUMB. MAINTAIN ANCHOR ROD PROJECTION ABOVE TOP OF CONCRETE AS DETAILED. ANCHOR ROD ASSEMBLY SHALL BE RIGIDLY SECURED IN POSITION DURING AND AFTER CONCRETE PLACEMENT. DO NOT WELD THE ANCHORS.

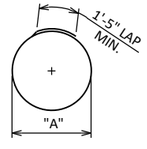
ANCHOR DIAMETER	MAX. STICK OUT ◐
	"X"
1"	5"
1¼"	6"
1½"	7"
1¾"	8"
2"	9"

◐ ADD BASE PLATE THICKNESS TO VALUE SHOWN FOR MAX. STICK OUT DIMENSION. CONTRACTOR TO COORDINATE WITH FABRICATOR FOR PROPER ANCHOR PLACEMENT.



ANCHOR PLATE & TOP TEMPLATE

⬟ ANCHOR SIZE AND POSITION TO BE VERIFIED WITH SHOP DRAWINGS.



A402

LEGEND

▪ ANCHOR ROD STICK OUT IN FINAL CONDITION. EXCESSIVE STICK OUT BEYOND DIMENSION SHOWN TO BE CUT OFF AFTER PLACING STRUCTURE. ANCHORS TO BE ULTRASONIC TESTED TO DETERMINE EMBEDDED LENGTH MEETS REQUIREMENTS PRIOR TO CUTTING. NOTE REMAINING LENGTH ON AS-BUILT.

◭ 2 - 2" DIA. NON-METALLIC CONDUITS. INSTALL ONLY WITH DMS. EXTEND CONDUITS AS SHOWN AND CAP OR SEAL EACH END WITH A SUITABLE REMOVABLE PLUG. PLACE CONDUITS UNDER COLUMN ADJACENT TO DMS. CONDUITS INCIDENTAL TO THE FOUNDATION BID ITEMS.

NOTE: THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE.

BILL OF BARS

STANDARD TYPE MFI

BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION
A801		6	11'-8"			DRILLED SHAFT - VERTICAL
A402		13	5'-10"	X		DRILLED SHAFT - HORIZONTAL

STANDARD TYPE MFII

BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION
A801		10	12'-8"			DRILLED SHAFT - VERTICAL
A402		14	9'-4"	X		DRILLED SHAFT - HORIZONTAL

STANDARD TYPES MCI/MCII/TFI

BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION
A901		10	16'-8"			DRILLED SHAFT - VERTICAL
A402		18	9'-4"	X		DRILLED SHAFT - HORIZONTAL

STANDARD TYPE TCI

BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION
A901		14	17'-8"			DRILLED SHAFT - VERTICAL
A402		19	10'-10"	X		DRILLED SHAFT - HORIZONTAL

STANDARD TYPE TFII

BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION
A1001		14	19'-8"			DRILLED SHAFT - VERTICAL
A402		21	10'-10"	X		DRILLED SHAFT - HORIZONTAL

STANDARD TYPES MCIII/TCII/TFIII

BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION
A1001		14	17'-8"			DRILLED SHAFT - VERTICAL
A402		19	12'-5"	X		DRILLED SHAFT - HORIZONTAL

STANDARD TYPES MCIV/TFIV

BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION
A1001		14	22'-8"			DRILLED SHAFT - VERTICAL
A402		24	12'-5"	X		DRILLED SHAFT - HORIZONTAL

STANDARD TYPE TCIII

BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION
A1001		14	22'-8"			DRILLED SHAFT - VERTICAL
A402		24	14'-0"	X		DRILLED SHAFT - HORIZONTAL

STANDARD TYPE TCIV

BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION
A1001		14	27'-8"			DRILLED SHAFT - VERTICAL
A402		29	14'-0"	X		DRILLED SHAFT - HORIZONTAL

✶✶ VALUES IN BAR TABLES ARE FOR A SINGLE FOUNDATION ONLY. MULTIPLY BY 2 FOR FULL ✶✶ SPAN STRUCTURES.

STATE PROJECT NUMBER

STANDARD

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

UPDATED: JAN. 2023

DRAWN BY BOS | PLANS CK'D

MONOTUBE & 2-CHORD TRUSS FONDATIONS

SHEET IV
1074

SCALE = 3.0

8

8

6145-01-73 - STAGE 3

STATION	REAL STATION	DISTANCE	AREA (SF)				INCREMENTAL VOL (CY) (UNADJUSTED)				CUMULATIVE VOL (CY)			
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT	EXPANDED FILL	EXPANDED EBS BACKFILL	MASS ORDINATE
											1.00	1.20	1.00	
							NOTE 1	NOTE 2	NOTE 3		NOTE 1			NOTE 4
605+00.00	60500.00	0.00	37.38	23.07	0.04	0.35	0	0	0	0	0	0	0	0
605+50.00	60550.00	50.00	43.56	28.04	0.19	0.35	75	47	0	1	75	0	1	28
606+00.00	60600.00	50.00	47.32	27.10	0.09	0.35	84	51	0	1	159	0	2	61
606+37.20	60637.20	37.20	78.79	26.03	0.08	0.35	87	37	0	0	246	0	2	111
606+50.00	60650.00	12.80	63.07	25.54	0.08	0.35	34	12	0	0	280	0	2	133
607+00.00	60700.00	50.00	75.44	25.03	0.00	0.35	128	47	0	1	408	0	3	214
607+50.00	60750.00	50.00	51.27	23.47	0.00	0.35	117	45	0	1	525	0	4	286
608+00.00	60800.00	50.00	39.20	21.44	0.00	0.35	84	42	0	1	609	0	5	328
608+42.82	60842.82	42.82	84.26	55.44	0.00	0.35	98	61	0	1	707	0	6	365
608+50.00	60850.00	7.18	81.00	55.47	0.00	0.35	22	15	0	0	729	0	6	372
609+00.00	60900.00	50.00	35.50	21.30	0.01	0.35	108	71	0	1	837	0	7	409
609+50.00	60950.00	50.00	32.33	21.36	2.11	0.35	63	39	2	1	900	2	8	431
609+82.23	60982.23	32.23	49.93	21.44	0.00	0.35	49	26	1	0	949	4	8	452
610+00.00	61000.00	17.77	35.60	21.45	0.00	0.35	28	14	0	0	977	4	8	466
610+50.00	61050.00	50.00	41.62	21.43	0.00	0.35	72	40	0	1	1,049	4	9	498
611+00.00	61100.00	50.00	38.61	21.70	0.00	0.35	74	40	0	1	1,123	4	10	532
611+50.00	61150.00	50.00	38.18	21.75	0.00	0.35	71	40	0	1	1,194	4	11	563
612+00.00	61200.00	50.00	42.13	21.67	0.00	0.35	74	40	0	1	1,268	4	12	597
612+50.00	61250.00	50.00	52.20	21.53	0.00	0.35	87	40	0	1	1,355	4	13	644
613+00.00	61300.00	50.00	49.46	21.34	0.00	0.35	94	40	0	1	1,449	4	14	698
613+34.07	61334.07	34.07	61.09	21.33	0.00	0.35	70	27	0	0	1,519	4	14	741
613+50.00	61350.00	15.93	49.24	21.39	0.00	0.35	33	13	0	0	1,552	4	14	761
614+00.00	61400.00	50.00	52.79	21.32	0.00	0.35	94	40	0	1	1,646	4	15	815
614+50.00	61450.00	50.00	56.45	22.42	0.00	0.35	101	41	0	1	1,747	4	16	875
615+00.00	61500.00	50.00	66.84	24.38	0.00	0.35	114	43	0	1	1,861	4	17	946
615+50.00	61550.00	50.00	75.07	26.28	0.00	0.35	131	47	0	1	1,992	4	18	1,030
616+00.00	61600.00	50.00	78.01	27.24	0.08	0.35	142	50	0	1	2,134	4	19	1,122
616+50.00	61650.00	50.00	82.11	26.93	0.00	0.35	148	50	0	1	2,282	4	20	1,220
617+00.00	61700.00	50.00	83.00	26.78	0.00	0.35	153	50	0	1	2,435	4	21	1,323
617+50.00	61750.00	50.00	89.09	26.57	1.30	0.35	159	49	1	1	2,594	5	22	1,432
618+00.00	61800.00	50.00	80.70	26.38	0.77	0.35	157	49	2	1	2,751	7	23	1,538
618+50.00	61850.00	50.00	82.33	26.25	3.08	0.35	151	49	4	1	2,902	12	24	1,635
619+00.00	61900.00	50.00	87.36	26.02	0.00	0.35	157	48	3	1	3,059	16	25	1,740
619+50.00	61950.00	50.00	89.32	26.37	0.00	0.35	164	49	0	1	3,223	16	26	1,855
620+00.00	62000.00	50.00	77.23	27.06	0.00	0.35	154	49	0	1	3,377	16	27	1,960
620+15.73	62015.73	15.73	82.38	27.20	0.00	0.35	46	16	0	0	3,423	16	27	1,990
620+50.00	62050.00	34.27	87.06	27.29	0.00	0.35	108	35	0	0	3,531	16	27	2,063
621+00.00	62100.00	50.00	89.97	27.12	0.00	0.35	164	50	0	1	3,695	16	28	2,177
621+50.00	62150.00	50.00	87.46	26.91	0.00	0.35	164	50	0	1	3,859	16	29	2,291
622+00.00	62200.00	50.00	95.28	26.92	0.00	0.35	169	50	0	1	4,028	16	30	2,410
622+50.00	62250.00	50.00	85.92	26.70	0.00	0.35	168	50	0	1	4,196	16	31	2,528
623+00.00	62300.00	50.00	92.09	27.01	0.00	0.35	165	50	0	1	4,361	16	32	2,643
623+50.00	62350.00	50.00	96.22	26.96	0.84	0.35	174	50	1	1	4,535	17	33	2,766
624+00.00	62400.00	50.00	90.65	26.98	1.73	0.35	173	50	2	1	4,708	19	34	2,887
624+50.00	62450.00	50.00	86.39	27.07	0.51	0.35	164	50	2	1	4,872	22	35	2,998
625+00.00	62500.00	50.00	77.28	27.25	0.00	0.35	152	50	0	1	5,024	22	36	3,100
625+24.97	62524.97	24.97	94.14	27.27	0.00	0.35	79	25	0	0	5,103	22	36	3,154
625+50.00	62550.00	25.03	80.71	26.68	0.00	0.35	81	25	0	0	5,184	22	36	3,210
626+00.00	62600.00	50.00	91.06	24.91	0.00	0.35	159	48	0	1	5,343	22	37	3,321
626+50.00	62650.00	50.00	87.41	23.64	0.00	0.35	165	45	0	1	5,508	22	38	3,441
627+00.00	62700.00	50.00	95.30	23.67	0.00	0.35	169	44	0	1	5,677	22	39	3,566
627+50.00	62750.00	50.00	92.17	23.81	0.00	0.35	174	44	0	1	5,851	22	40	3,696
627+75.00	62775.00	25.00	79.90	23.83	0.00	0.35	80	22	0	0	5,931	22	40	3,754
628+00.00	62800.00	25.00	88.05	23.81	0.00	0.35	78	22	0	0	6,009	22	40	3,810
628+50.00	62850.00	50.00	91.42	23.81	0.00	0.35	166	44	0	1	6,175	22	41	3,932
629+00.00	62900.00	50.00	89.45	23.90	0.00	0.35	167	44	0	1	6,342	22	42	4,055
629+11.32	62911.32	11.32	87.47	23.91	0.00	0.35	37	10	0	0	6,379	22	42	4,082
629+50.00	62950.00	38.68	67.84	23.95	0.00	0.35	111	34	0	1	6,490	22	43	4,159
630+00.00	63000.00	50.00	69.01	24.02	0.19	0.35	127	44	0	1	6,617	22	44	4,242
630+50.00	63050.00	50.00	66.20	24.09	0.00	0.35	125	45	0	1	6,742	22	45	4,322
630+70.45	63070.45	20.45	77.58	24.06	0.00	0.35	54	18	0	0	6,796	22	45	4,358
631+00.00	63100.00	29.55	70.03	24.06	0.00	0.35	81	26	0	0	6,877	22	45	4,413
631+50.00	63150.00	50.00	66.94	24.11	0.00	0.35	127	45	0	1	7,004	22	46	4,495
632+00.00	63200.00	50.00	59.73	24.18	0.00	0.35	117	45	0	1	7,121	22	47	4,567
632+50.00	63250.00	50.00	61.38	24.20	0.00	0.35	112	45	0	1	7,233	22	48	4,634

6145-01-73 - STAGE 3

STATION	REAL STATION	DISTANCE	AREA (SF)				INCREMENTAL VOL (CY) (UNADJUSTED)				CUMULATIVE VOL (CY)			
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT	EXPANDED FILL	EXPANDED EBS BACKFILL	MASS ORDINATE
											1.00	1.20	1.00	
							NOTE 1	NOTE 2	NOTE 3		NOTE 1			NOTE 4
633+00.00	63300.00	50.00	63.11	24.19	0.00	0.35	115	45	0	1	7,348	22	49	4,704
633+50.00	63350.00	50.00	71.57	25.76	0.00	0.35	125	46	0	1	7,473	22	50	4,783
634+00.00	63400.00	50.00	53.53	26.13	0.00	0.35	116	48	0	1	7,589	22	51	4,851
634+50.00	63450.00	50.00	53.24	26.17	2.42	0.35	99	48	2	1	7,688	24	52	4,900
635+00.00	63500.00	50.00	113.89	96.25	0.00	0.35	155	113	2	1	7,843	26	53	4,940
635+50.00	63550.00	50.00	53.11	43.55	4.38	0.35	155	129	4	1	7,998	31	54	4,961
636+00.00	63600.00	50.00	46.90	26.47	4.57	0.35	93	65	8	1	8,091	41	55	4,979
636+50.00	63650.00	50.00	48.96	26.52	2.84	0.35	89	49	7	1	8,180	49	56	5,011
637+00.00	63700.00	50.00	50.83	26.90	1.73	0.35	92	49	4	1	8,272	54	57	5,049
637+50.00	63750.00	50.00	56.87	26.57	0.34	0.35	100	50	2	1	8,372	56	58	5,097
638+00.00	63800.00	50.00	56.38	26.67	1.94	0.35	105	49	2	1	8,477	59	59	5,150
638+35.00	63835.00	35.00	55.52	26.76	5.04	0.35	73	35	5	0	8,550	65	59	5,182
638+50.00	63850.00	15.00	56.24	26.79	4.09	0.35	31	15	3	0	8,581	68	59	5,195
639+00.00	63900.00	50.00	71.59	27.11	0.00	0.35	118	50	4	1	8,699	73	60	5,258
639+35.73	63935.73	35.73	50.10	26.75	18.08	0.35	81	36	12	0	8,780	88	60	5,288
639+50.00	63950.00	14.27	50.81	26.76	12.82	0.35	27	14	8	0	8,807	97	60	5,292
640+00.00	64000.00	50.00	86.23	26.88	0.00	0.35	127	50	12	1	8,934	112	61	5,354
640+50.00	64050.00	50.00	54.18	27.31	0.52	0.35	130	50	0	1	9,064	112	62	5,434
641+00.00	64100.00	50.00	61.19	27.19	0.00	0.35	107	50	0	1	9,171	112	63	5,491
641+50.00	64150.00	50.00	60.45	27.25	0.00	0.35	113	50	0	1	9,284	112	64	5,554
642+00.00	64200.00	50.00	55.66	27.05	0.21	0.35	108	50	0	1	9,392	112	65	5,612
642+35.07	64235.07	35.07	57.14	27.24	0.12	0.35	73	35	0	0	9,465	112	65	5,650
642+50.00	64250.00	14.93	57.45	27.19	0.24	0.35	32	15	0	0	9,497	112	65	5,667
643+00.00	64300.00	50.00	67.38	27.11	0.00	0.35	116	50	0	1	9,613	112	66	5,733
643+50.00	64350.00	50.00	80.97	26.83	0.00	0.35	137	50	0	1	9,750	112	67	5,820
643+68.00	64368.00	18.00	100.78	36.21	0.00	0.35	61	21	0	0	9,811	112	67	5,860
644+00.00	64400.00	32.00	187.16	141.75	0.00	0.35	171	105	0	0	9,982	112	67	5,926
644+17.43	64417.43	17.43	187.88	141.74	0.00	0.35	121	92	0	0	10,103	112	67	5,955
644+50.00	64450.00	32.57	97.75	29.17	1.19	0.35	172	103	1	0	10,275	113	67	6,023
645+00.00	64500.00	50.00	56.26	26.92	0.17	0.35	143	52	1	1	10,418	114	68	6,113
645+50.00	64550.00	50.00	47.09	27.09	6.48	0.35	96	50	6	1	10,514	121	69	6,152
646+00.00	64600.00	50.00	63.03	27.23	0.00	0.35	102	50	6	1	10,616	128	70	6,197
646+50.00	64650.00	50.00	57.77	27.03	0.00	0.35	112	50	0	1	10,728	128	71	6,259
647+00.00	64700.00	50.00	56.61	26.99	0.00	0.35	106	50	0	1	10,834	128	72	6,315
647+50.00	64750.00	50.00	64.27	26.97	0.00	0.35	112	50	0	1	10,946	128	73	6,377
648+00.00	64800.00	50.00	68.33	26.96	0.00	0.35	123	50	0	1	11,069	128	74	6,450
648+50.00	64850.00	50.00	68.95	26.89	0.00	0.35	127	50	0	1	11,196	128	75	6,527
649+00.00	64900.00	50.00	70.22	26.82	0.00	0.35	129	50	0	1	11,325	128	76	6,606
649+50.00	64950.00	50.00	71.66	26.99	0.00	0.35	131	50	0	1	11,456	128	77	6,687
649+81.07	64981.07	31.07	111.38	27.32	0.00	0.35	105	31	0	0	11,561	128	77	6,761
650+00.00	65000.00	18.93	111.65	27.67	0.00	0.35	78	19	0	0	11,639	128	77	6,820
650+50.00	65050.00	50.00	76.65	26.80	0.00	0.35	174	50	0	1	11,813	128	78	6,944
651+00.00	65100.00	50.00	78.88	26.87	0.00	0.35	144	50	0	1	11,957	128	79	7,038
651+50.00	65150.00	50.00	104.81	26.74	0.05	0.35	170	50	0	1	12,127	128	80	7,158
652+00.00	65200.00	50.00	114.10	26.82	4.16	0.35	203	50	4	1	12,330	133	81	7,306
652+50.00	65250.00	50.00	102.84	26.85	0.00	0.35	201	50	4	1	12,531	138	82	7,452
652+75.00	65275.00	25.00	82.74	26.94	2.82	0.35	86	25	1	0	12,617	139	82	7,512
653+00.00	65300.00	25.00	66.95	26.90	0.00	0.35	69	25	1	0	12,686	140	82	7,555
653+50.00	65350.00	50.00	63.65	26.90	0.00	0.35	121	50	0	1	12,807	140	83	7,626
654+00.00	65400.00	50.00	87.41	26.89	0.00	0.35	140	50	0	1	12,947	140	84	7,716
654+50.00	65450.00	50.00	87.90	26.84	0.00	0.35	162	50	0	1	13,109	140	85	7,828

NOTES:	
1 - CUT	CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL
2 - SALVAGED/UNUSABLE PAVEMENT MATERIAL	THIS DOES NOT SHOW UP IN CROSS SECTIONS
3 - FILL	DOES NOT INCLUDE UNUSABLE PAVEMENT EXC VOLUME
4 - MASS ORDINATE	CUT - SALVAGED PAVT - (FILL * FILL FACTOR)

6145-01-73 - STAGE 4

STATION	REAL STATION	DISTANCE	AREA (SF)				INCREMENTAL VOL (CY) (UNADJUSTED)				CUMULATIVE VOL (CY)			
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT 1.00	EXPANDED FILL 1.20	EXPANDED EBS BACKFILL 1.00	MASS ORDINATE
							NOTE 1	NOTE 2	NOTE 3		NOTE 1			NOTE 4
605+00.00	60500.00	0.00	0.00	0.00	0.00	0.35	0	0	0	0	0	0	0	0
605+50.00	60550.00	50.00	42.48	21.09	0.00	0.35	39	20	0	1	39	0	1	19
606+00.00	60600.00	50.00	46.88	19.54	0.00	0.35	83	38	0	1	122	0	2	64
606+37.20	60637.20	37.20	52.42	18.74	0.00	0.35	68	26	0	0	190	0	2	106
606+50.00	60650.00	12.80	55.03	18.56	0.00	0.35	25	9	0	0	215	0	2	122
607+00.00	60700.00	50.00	73.67	18.57	0.00	0.35	119	34	0	1	334	0	3	207
607+50.00	60750.00	50.00	45.85	20.04	0.84	0.35	111	36	1	1	445	1	4	281
608+00.00	60800.00	50.00	54.36	21.92	0.00	0.35	93	39	1	1	538	2	5	334
608+42.82	60842.82	42.82	42.09	21.93	0.07	0.35	76	35	0	1	614	2	6	375
608+50.00	60850.00	7.18	41.73	21.95	0.00	0.35	11	6	0	0	625	2	6	380
609+00.00	60900.00	50.00	45.11	21.94	0.00	0.35	80	41	0	1	705	2	7	419
609+50.00	60950.00	50.00	44.02	22.07	0.00	0.35	83	41	0	1	788	2	8	461
609+82.23	60982.23	32.23	41.14	22.07	0.00	0.35	51	26	0	0	839	2	8	486
610+00.00	61000.00	17.77	40.89	22.05	0.00	0.35	27	15	0	0	866	2	8	498
610+50.00	61050.00	50.00	42.68	22.02	0.00	0.35	77	41	0	1	943	2	9	534
611+00.00	61100.00	50.00	48.56	22.49	0.00	0.35	84	41	0	1	1,027	2	10	577
611+50.00	61150.00	50.00	39.48	22.04	0.00	0.35	82	41	0	1	1,109	2	11	618
612+00.00	61200.00	50.00	41.66	21.83	0.00	0.35	75	41	0	1	1,184	2	12	652
612+50.00	61250.00	50.00	47.25	21.80	0.00	0.35	82	40	0	1	1,266	2	13	694
613+00.00	61300.00	50.00	51.77	21.79	0.00	0.35	92	40	0	1	1,358	2	14	746
613+34.07	61334.07	34.07	52.51	21.78	0.00	0.35	66	27	0	0	1,424	2	14	785
613+50.00	61350.00	15.93	53.89	21.77	0.00	0.35	31	13	0	0	1,455	2	14	803
614+00.00	61400.00	50.00	66.01	21.76	0.00	0.35	111	40	0	1	1,566	2	15	874
614+50.00	61450.00	50.00	77.74	20.66	0.00	0.35	133	39	0	1	1,699	2	16	968
615+00.00	61500.00	50.00	76.30	18.74	0.00	0.35	143	36	0	1	1,842	2	17	1,075
615+50.00	61550.00	50.00	83.77	16.83	0.00	0.35	148	33	0	1	1,990	2	18	1,190
616+00.00	61600.00	50.00	82.52	15.94	0.00	0.35	154	30	0	1	2,144	2	19	1,314
616+50.00	61650.00	50.00	73.53	16.22	0.00	0.35	144	30	0	1	2,288	2	20	1,428
617+00.00	61700.00	50.00	64.74	16.55	0.00	0.35	128	30	0	1	2,416	2	21	1,526
617+50.00	61750.00	50.00	62.31	16.80	0.00	0.35	118	31	0	1	2,534	2	22	1,613
618+00.00	61800.00	50.00	102.20	50.87	0.01	0.35	152	63	0	1	2,686	2	23	1,702
618+50.00	61850.00	50.00	56.73	17.11	0.00	0.35	147	63	0	1	2,833	2	24	1,786
619+00.00	61900.00	50.00	46.58	17.34	0.00	0.35	96	32	0	1	2,929	2	25	1,850
619+50.00	61950.00	50.00	52.45	16.95	0.00	0.35	92	32	0	1	3,021	2	26	1,910
620+00.00	62000.00	50.00	49.45	16.24	0.00	0.35	94	31	0	1	3,115	2	27	1,973
620+15.73	62015.73	15.73	57.45	16.05	0.00	0.35	31	9	0	0	3,146	2	27	1,995
620+50.00	62050.00	34.27	44.41	17.30	0.00	0.35	65	21	0	0	3,211	2	27	2,039
621+00.00	62100.00	50.00	98.49	63.27	0.00	0.35	132	75	0	1	3,343	2	28	2,096
621+50.00	62150.00	50.00	37.39	20.42	0.00	0.35	126	77	0	1	3,469	2	29	2,145
622+00.00	62200.00	50.00	42.10	16.61	0.75	0.35	74	34	1	1	3,543	4	30	2,183
622+50.00	62250.00	50.00	45.88	16.60	2.30	0.35	81	31	3	1	3,624	7	31	2,230
623+00.00	62300.00	50.00	54.94	16.39	2.27	0.35	93	31	4	1	3,717	12	32	2,287
623+50.00	62350.00	50.00	55.88	16.29	0.00	0.35	103	30	2	1	3,820	14	33	2,358
624+00.00	62400.00	50.00	76.45	16.18	0.00	0.35	123	30	0	1	3,943	14	34	2,451
624+50.00	62450.00	50.00	63.15	16.16	0.00	0.35	129	30	0	1	4,072	14	35	2,550
625+00.00	62500.00	50.00	47.88	16.00	0.10	0.35	103	30	0	1	4,175	14	36	2,623
625+24.97	62524.97	24.97	46.70	15.99	0.00	0.35	44	15	0	0	4,219	14	36	2,652
625+50.00	62550.00	25.03	46.59	16.52	0.02	0.35	43	15	0	0	4,262	14	36	2,680
626+00.00	62600.00	50.00	47.27	18.15	0.00	0.35	87	32	0	1	4,349	14	37	2,735
626+50.00	62650.00	50.00	44.90	19.38	0.06	0.35	85	35	0	1	4,434	14	38	2,785
627+00.00	62700.00	50.00	43.97	19.40	0.00	0.35	82	36	0	1	4,516	14	39	2,831
627+50.00	62750.00	50.00	33.47	19.39	0.00	0.35	72	36	0	1	4,588	14	40	2,867
627+75.00	62775.00	25.00	35.11	19.38	0.00	0.35	32	18	0	0	4,620	14	40	2,881
628+00.00	62800.00	25.00	34.12	19.33	0.00	0.35	32	18	0	0	4,652	14	40	2,895
628+50.00	62850.00	50.00	34.82	19.33	0.00	0.35	64	36	0	1	4,716	14	41	2,923
629+00.00	62900.00	50.00	32.36	19.24	0.00	0.35	62	36	0	1	4,778	14	42	2,949
629+11.32	62911.32	11.32	32.32	19.24	0.00	0.35	14	8	0	0	4,792	14	42	2,955
629+50.00	62950.00	38.68	35.80	19.27	0.00	0.35	49	28	0	1	4,841	14	43	2,976
630+00.00	63000.00	50.00	45.18	19.23	0.00	0.35	75	36	0	1	4,916	14	44	3,015
630+50.00	63050.00	50.00	44.35	19.17	0.00	0.35	83	36	0	1	4,999	14	45	3,062
630+70.45	63070.45	20.45	44.34	19.12	0.05	0.35	34	15	0	0	5,033	14	45	3,081
631+00.00	63100.00	29.55	45.12	19.08	0.00	0.35	49	21	0	0	5,082	14	45	3,109
631+50.00	63150.00	50.00	41.69	19.04	0.00	0.35	80	35	0	1	5,162	14	46	3,154
632+00.00	63200.00	50.00	38.25	19.00	0.00	0.35	74	35	0	1	5,236	14	47	3,193
632+50.00	63250.00	50.00	33.06	18.97	0.09	0.35	66	35	0	1	5,302	14	48	3,224

6145-01-73 - STAGE 4

STATION	REAL STATION	DISTANCE	AREA (SF)				INCREMENTAL VOL (CY) (UNADJUSTED)				CUMULATIVE VOL (CY)			
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT 1.00	EXPANDED FILL 1.20	EXPANDED EBS BACKFILL 1.00	MASS ORDINATE
							NOTE 1	NOTE 2	NOTE 3		NOTE 1			NOTE 4
633+00.00	63300.00	50.00	30.72	18.96	0.00	0.35	59	35	0	1	5,361	14	49	3,248
633+50.00	63350.00	50.00	46.73	18.37	0.00	0.35	72	35	0	1	5,433	14	50	3,285
634+00.00	63400.00	50.00	28.67	17.11	0.00	0.35	70	33	0	1	5,503	14	51	3,322
634+50.00	63450.00	50.00	32.45	17.15	0.00	0.35	57	32	0	1	5,560	14	52	3,347
635+00.00	63500.00	50.00	79.19	55.23	0.00	0.35	103	67	0	1	5,663	14	53	3,383
635+50.00	63550.00	50.00	38.53	16.92	0.00	0.35	109	67	0	1	5,772	14	54	3,425
636+00.00	63600.00	50.00	30.36	16.86	0.00	0.35	64	31	0	1	5,836	14	55	3,458
636+50.00	63650.00	50.00	32.47	16.77	0.00	0.35	58	31	0	1	5,894	14	56	3,485
637+00.00	63700.00	50.00	36.66	16.75	0.00	0.35	64	31	0	1	5,958	14	57	3,518
637+50.00	63750.00	50.00	79.67	81.46	0.00	0.35	108	91	0	1	6,066	14	58	3,535
638+00.00	63800.00	50.00	55.53	16.55	0.00	0.35	125	91	0	1	6,191	14	59	3,569
638+35.00	63835.00	35.00	63.21	16.41	0.00	0.35	77	21	0	0	6,268	14	59	3,625
638+50.00	63850.00	15.00	37.22	16.81	0.00	0.35	28	9	0	0	6,296	14	59	3,644
639+00.00	63900.00	50.00	17.51	16.54	0.11	0.35	51	31	0	1	6,347	14	60	3,664
639+35.73	63935.73	35.73	34.85	16.31	0.00	0.35	35	22	0	0	6,382	14	60	3,677
639+50.00	63950.00	14.27	35.31	16.29	0.00	0.35	19	9	0	0	6,401	14	60	3,687
640+00.00	64000.00	50.00	45.10	54.65	0.00	0.35	74	66	0	1	6,475	14	61	3,695
640+50.00	64050.00	50.00	38.65	16.14	0.00	0.35	78	66	0	1	6,553	14	62	3,707
641+00.00	64100.00	50.00	40.47	16.53	0.00	0.35	73	30	0	1	6,626	14	63	3,750
641+50.00	64150.00	50.00	50.66	16.44	0.00	0.35	84	31	0	1	6,710	14	64	3,803
642+00.00	64200.00	50.00	51.62	16.01	0.00	0.35	95	30	0	1	6,805	14	65	3,868
642+35.07	64235.07	35.07	151.82	102.52	0.00	0.35	132	77	0	0	6,937	14	65	3,923
642+50.00	64250.00	14.93	110.75	26.08	0.00	0.35	73	36	0	0	7,010	14	65	3,960
643+00.00	64300.00	50.00	53.72	16.10	0.02	0.35	152	39	0	1	7,162	14	66	4,073
643+50.00	64350.00	50.00	198.24	77.25	0.00	0.35	233	86	0	1	7,395	14	67	4,220
643+68.00	64368.00	18.00	204.57	120.75	0.00	0.35	134	66	0	0	7,529	14	67	4,288
644+00.00	64400.00	32.00	76.41	20.31	0.00	0.35	167	84	0	0	7,696	14	67	4,371
644+17.43	64417.43	17.43	50.25	16.40	0.00	0.35	41	12	0	0	7,737	14	67	4,400
644+50.00	64450.00	32.57	50.43	16.56	0.00	0.35	61	20	0	0	7,798	14	67	4,441
645+00.00	64500.00	50.00	45.72	16.35	0.00	0.35	89	30	0	1	7,887	14	68	4,500
645+50.00	64550.00	50.00	45.71	16.08	0.00	0.35	85	30	0	1	7,972	14	69	4,555
646+00.00	64600.00	50.00	52.41	16.07	0.00	0.35	91	30	0	1	8,063	14	70	4,616
646+50.00	64650.00	50.00	62.23	16.29	0.00	0.35	106	30	0	1	8,169	14	71	4,692
647+00.00	64700.00	50.00	45.35	16.17	2.09	0.35	100	30	2	1	8,269	17	72	4,759
647+50.00	64750.00	50.00	41.42	16.23	0.00	0.35	80	30	2	1	8,349	19	73	4,807
648+00.00	64800.00	50.00	38.30	16.39	0.00	0.35	74	30	0	1	8,423	19	74	4,851
648+50.00	64850.00	50.00	72.32	16.40	0.00	0.35	102	30	0	1	8,525	19	75	4,923
649+00.00	64900.00	50.00	32.80	16.31	0.00	0.35	97	30	0	1	8,622	19	76	4,990
649+50.00	64950.00	50.00	38.58	16.31	0.29	0.35	66	30	0	1	8,688	19	77	5,026
649+81.07	64981.07	31.07	87.19	63.87	0.00	0.35	72	46	0	0	8,760	19	77	5,052
650+00.00	65000.00	18.93	66.54	23.96	0.00	0.35	54	31	0	0	8,814	19	77	5,075
650+50.00	65050.00	50.00	52.18	16.35	0.00	0.35	110	37	0	1	8,924	19	78	5,148
651+00.00	65100.00	50.00	42.94	16.31	0.22	0.35	88	30	0	1	9,012	19	79	5,206
651+50.00	65150.00	50.00	39.32	16.37	1.50	0.35	76	30	2	1	9,088	22	80	5,249
652+00.00	65200.00	50.00	44.93	16.43	0.00	0.35	78	30	1	1	9,166	23	81	5,296
652+50.00	65250.00	50.00	68.18	16.42	0.00	0.35	105	30	0	1	9,271	23	82	5,371
652+75.00	65275.00	25.00	92.70	16.55	0.00	0.35	74	15	0	0	9,345	23	82	5,430
653+00.00	65300.00	25.00	66.58	16.42	0.00	0.35	74	15	0	0	9,419	23	82	5,489
653+50.00	65350.00	50.00	49.39	16.28	0.00	0.35	107	30	0	1	9,526	23	83	5,566
654+00.00	65400.00	50.00	66.68	16.27	0.00	0.35	107	30	0	1	9,633	23	84	5,643
654+50.00	65450.00	50.00	53.03	16.23	0.00	0.35	111	30	0	1	9,744	23	85	5,724

NOTES:	
1 - CUT	CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL
2 - SALVAGED/UNUSABLE PAVEMENT MATERIAL	THIS DOES NOT SHOW UP IN CROSS SECTIONS
3 - FILL	DOES NOT INCLUDE UNUSABLE PAVEMENT EXC VOLUME
4 - MASS ORDINATE	CUT - SALVAGED PAVT - (FILL * FILL FACTOR)

9

9

PROJECT NO: 6145-01-73 | HWY: USH 12 | COUNTY: SAUK | EARTHWORK DATA | SHEET 1076 | E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\SINGLE LET_ALL IDS\090101_EW.DWG
LAYOUT NAME - 02

PLOT DATE : 6/29/2025 8:53 PM PLOT BY : BARRETT, WILL PLOT NAME : PLOT SCALE : 1" = 1'

WISDOT/CADDS SHEET 49

6145-01-73 - STAGE 5

STATION	REAL STATION	DISTANCE	AREA (SF)				INCREMENTAL VOL (CY) (UNADJUSTED)				CUMULATIVE VOL (CY)			
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT	EXPANDED FILL	EXPANDED EBS BACKFILL	MASS ORDINATE
							NOTE 1	NOTE 2	NOTE 3		1.00 NOTE 1	1.20	1.00	NOTE 4
605+00.00	60500.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0	0	0
605+50.00	60550.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0	0	0
606+00.00	60600.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0	0	0
606+37.20	60637.20	37.20	0.00	0.00	0.00	0.00	0	0	0	0	0	0	0	0
606+50.00	60650.00	12.80	0.00	0.00	0.00	0.00	0	0	0	0	0	0	0	0
607+00.00	60700.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0	0	0
607+50.00	60750.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0	0	0
608+00.00	60800.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0	0	0
608+42.82	60842.82	42.82	0.00	0.00	0.00	0.00	0	0	0	0	0	0	0	0
608+50.00	60850.00	7.18	0.00	0.00	0.00	0.00	0	0	0	0	0	0	0	0
609+00.00	60900.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0	0	0
609+50.00	60950.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0	0	0
609+82.23	60982.23	32.23	0.00	0.00	0.00	0.00	0	0	0	0	0	0	0	0
610+00.00	61000.00	17.77	0.00	0.00	0.00	0.00	0	0	0	0	0	0	0	0
610+50.00	61050.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0	0	0
611+00.00	61100.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0	0	0
611+50.00	61150.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0	0	0
612+00.00	61200.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0	0	0
612+50.00	61250.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0	0	0
613+00.00	61300.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0	0	0
613+34.07	61334.07	34.07	0.00	0.00	0.00	0.00	0	0	0	0	0	0	0	0
613+50.00	61350.00	15.93	0.00	0.00	0.00	0.00	0	0	0	0	0	0	0	0
614+00.00	61400.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0	0	0
614+50.00	61450.00	50.00	4.15	2.19	0.00	0.00	4	2	0	0	4	0	0	2
615+00.00	61500.00	50.00	10.49	5.48	0.00	0.00	14	7	0	0	18	0	0	9
615+50.00	61550.00	50.00	17.17	8.78	0.00	0.00	26	13	0	0	44	0	0	22
616+00.00	61600.00	50.00	20.64	10.50	0.00	0.00	35	18	0	0	79	0	0	39
616+50.00	61650.00	50.00	20.74	10.50	0.00	0.00	38	19	0	0	117	0	0	58
617+00.00	61700.00	50.00	21.30	10.50	0.00	0.00	39	19	0	0	156	0	0	78
617+50.00	61750.00	50.00	21.92	10.50	0.00	0.00	40	19	0	0	196	0	0	99
618+00.00	61800.00	50.00	20.69	10.50	0.00	0.00	39	19	0	0	235	0	0	119
618+50.00	61850.00	50.00	19.44	10.50	0.00	0.00	37	19	0	0	272	0	0	137
619+00.00	61900.00	50.00	19.37	10.50	0.00	0.00	36	19	0	0	308	0	0	154
619+50.00	61950.00	50.00	19.35	10.50	0.00	0.00	36	19	0	0	344	0	0	171
620+00.00	62000.00	50.00	19.04	10.50	0.00	0.00	36	19	0	0	380	0	0	188
620+15.73	62015.73	15.73	19.07	10.50	0.00	0.00	11	6	0	0	391	0	0	193
620+50.00	62050.00	34.27	19.19	10.50	0.00	0.00	24	13	0	0	415	0	0	204
621+00.00	62100.00	50.00	19.68	10.50	0.00	0.00	36	19	0	0	451	0	0	221
621+50.00	62150.00	50.00	20.18	10.50	0.00	0.00	37	19	0	0	488	0	0	239
622+00.00	62200.00	50.00	21.00	10.50	0.00	0.00	38	19	0	0	526	0	0	258
622+50.00	62250.00	50.00	21.89	10.50	0.00	0.00	40	19	0	0	566	0	0	279
623+00.00	62300.00	50.00	23.67	10.50	0.00	0.00	42	19	0	0	608	0	0	302
623+50.00	62350.00	50.00	23.79	10.50	0.00	0.00	44	19	0	0	652	0	0	327
624+00.00	62400.00	50.00	22.54	10.50	0.00	0.00	43	19	0	0	695	0	0	351
624+50.00	62450.00	50.00	21.55	10.50	0.00	0.00	41	19	0	0	736	0	0	373
625+00.00	62500.00	50.00	20.81	10.50	0.00	0.00	39	19	0	0	775	0	0	393
625+24.97	62524.97	24.97	20.01	10.50	0.00	0.00	19	10	0	0	794	0	0	402
625+50.00	62550.00	25.03	20.17	10.49	0.00	0.00	19	10	0	0	813	0	0	411
626+00.00	62600.00	50.00	19.72	10.49	0.00	0.00	37	19	0	0	850	0	0	429
626+50.00	62650.00	50.00	19.19	10.50	0.00	0.00	36	19	0	0	886	0	0	446
627+00.00	62700.00	50.00	19.16	10.50	0.00	0.00	36	19	0	0	922	0	0	463
627+50.00	62750.00	50.00	18.67	10.50	0.00	0.00	35	19	0	0	957	0	0	479
627+75.00	62775.00	25.00	18.41	10.50	0.00	0.00	17	10	0	0	974	0	0	486
628+00.00	62800.00	25.00	18.81	10.50	0.00	0.00	17	10	0	0	991	0	0	493
628+50.00	62850.00	50.00	18.43	10.50	0.00	0.00	34	19	0	0	1,025	0	0	508
629+00.00	62900.00	50.00	18.31	10.50	0.00	0.00	34	19	0	0	1,059	0	0	523
629+11.32	62911.32	11.32	18.12	10.50	0.00	0.00	8	4	0	0	1,067	0	0	527
629+50.00	62950.00	38.68	17.91	10.50	0.00	0.00	26	15	0	0	1,093	0	0	538
630+00.00	63000.00	50.00	19.71	10.50	0.00	0.00	35	19	0	0	1,128	0	0	554
630+50.00	63050.00	50.00	19.04	10.50	0.00	0.00	36	19	0	0	1,164	0	0	571
630+70.45	63070.45	20.45	18.86	10.50	0.00	0.00	14	8	0	0	1,178	0	0	577
631+00.00	63100.00	29.55	18.61	10.50	0.00	0.00	21	11	0	0	1,199	0	0	587
631+50.00	63150.00	50.00	17.64	10.50	0.00	0.00	34	19	0	0	1,233	0	0	602
632+00.00	63200.00	50.00	0.00	0.00	0.00	0.00	16	10	0	0	1,249	0	0	608
632+50.00	63250.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	1,249	0	0	608

6145-01-73 - STAGE 5

STATION	REAL STATION	DISTANCE	AREA (SF)				INCREMENTAL VOL (CY) (UNADJUSTED)				CUMULATIVE VOL (CY)			
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT	EXPANDED FILL	EXPANDED EBS BACKFILL	MASS ORDINATE
							NOTE 1	NOTE 2	NOTE 3		1.00 NOTE 1	1.20	1.00	NOTE 4
633+00.00	63300.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	1,249	0	0	608
633+50.00	63350.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	1,249	0	0	608
634+00.00	63400.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	1,249	0	0	608
634+50.00	63450.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	1,249	0	0	608
635+00.00	63500.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	1,249	0	0	608
635+50.00	63550.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	1,249	0	0	608
636+00.00	63600.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	1,249	0	0	608
636+50.00	63650.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	1,249	0	0	608
637+00.00	63700.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	1,249	0	0	608
637+50.00	63750.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	1,249	0	0	608
638+00.00	63800.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	1,249	0	0	608
638+35.00	63835.00	35.00	0.00	0.00	0.00	0.00	0	0	0	0	1,249	0	0	608
638+50.00	63850.00	15.00	0.00	0.00	0.00	0.00	0	0	0	0	1,249	0	0	608
639+00.00	63900.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	1,249	0	0	608
639+35.73	63935.73	35.73	0.00	0.00	0.00	0.00	0	0	0	0	1,249	0	0	608
639+50.00	63950.00	14.27	0.00	0.00	0.00	0.00	0	0	0	0	1,249	0	0	608
640+00.00	64000.00	50.00	16.35	10.54	0.00	0.00	15	10	0	0	1,264	0	0	613
640+50.00	64050.00	50.00	17.85	10.63	0.00	0.00	32	20	0	0	1,296	0	0	625
641+00.00	64100.00	50.00	17.02	10.49	0.00	0.00	32	20	0	0	1,328	0	0	637
641+50.00	64150.00	50.00	18.40	10.50	0.00	0.00	33	19	0	0	1,361	0	0	651
642+00.00	64200.00	50.00	19.12	10.51	0.00	0.00	35	19	0	0	1,396	0	0	667
642+35.07	64235.07	35.07	18.21	10.50	0.00	0.00	24	14	0	0	1,420	0	0	677
642+50.00	64250.00	14.93	19.33	10.50	0.00	0.00	10	6	0	0	1,430	0	0	681
643+00.00	64300.00	50.00	21.24	10.50	0.00	0.00	38	19	0	0	1,468	0	0	700
643+50.00	64350.00	50.00	19.72	10.51	0.00	0.00	38	19	0	0	1,506	0	0	719
643+68.00	64368.00	18.00	20.60	10.50	0.00	0.00	13	7	0	0	1,519	0	0	725
644+00.00	64400.00	32.00	21.21	10.50	0.00	0.00	25	12	0	0	1,544	0	0	738
644+17.43	64417.43	17.43	19.93	10.50	0.00	0.00	13	7	0	0	1,557	0	0	744
644+50.00	64450.00	32.57	18.50	10.49	0.00	0.00	23	13	0	0	1,580	0	0	754
645+00.00	64500.00	50.00	19.88	10.50	0.00	0.00	36	19	0	0	1,616	0	0	771
645+50.00	64550.00	50.00	16.12	10.50	0.00	0.00	33	19	0	0	1,649	0	0	785
646+00.00	64600.00	50.00	17.89	10.49	0.00	0.00	31	19	0	0	1,680	0	0	797
646+50.00	64650.00	50.00	18.13	10.50	0.00	0.00	33	19	0	0	1,713	0	0	811
647+00.00	64700.00	50.00	17.77	10.50	0.00	0.00	33	19	0	0	1,746	0	0	825
647+50.00	64750.00	50.00	17.80	10.50	0.00	0.00	33	19	0	0	1,779	0	0	839
648+00.00	64800.00	50.00	17.75	10.50	0.00	0.00	33	19	0	0	1,812	0	0	853
648+50.00	64850.00	50.00	0.00	0.00	0.00	0.00	16	10	0	0	1,828	0	0	859
649+00.00	64900.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	1,828	0	0	859
649+50.00	64950.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	1,828	0	0	859
649+81.07	64981.07	31.07	0.00	0.00	0.00	0.00	0	0	0	0	1,828	0	0	859
650+00.00	65000.00	18.93	0.00	0.00	0.00	0.00	0	0	0	0	1,828	0	0	859
650+50.00	65050.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	1,828	0	0	859
651+00.00	65100.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	1,828	0	0	859
651+50.00	65150.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	1,828	0	0	859
652+00.00	65200.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	1,828	0	0	859
652+50.00	65250.00	50.00	18.28	10.50	0.00	0.00	17	10	0	0	1,845	0	0	866
652+75.00	65275.00	25.00	19.08	10.50	0.00	0.00	17	10	0	0	1,862	0	0	873
653+00.00	65300.00	25.00	19.28	10.50	0.00	0.00	18	10	0	0	1,880	0	0	881
653+50.00	65350.00	50.00	19.58	10.50	0.00	0.00	36	19	0	0	1,916	0	0	898
654+00.00	65400.00	50.00	19.49	10.50	0.00	0.00	36	19	0	0	1,952	0	0	915
654+50.00	65450.00	50.00	18.66	10.50	0.00	0.00	35	19	0	0	1,987	0	0	931

NOTES:	
1 - CUT	CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL
2 - SALVAGED/UNUSABLE PAVEMENT MATERIAL	THIS DOES NOT SHOW UP IN CROSS SECTIONS
3 - FILL	DOES NOT INCLUDE UNUSABLE PAVEMENT EXC VOLUME
4 - MASS ORDINATE	CUT - SALVAGED PAVT - (FILL * FILL FACTOR)

6145-01-72 - STAGE 1

STATION	REAL STATION	DISTANCE	AREA (SF)				INCREMENTAL VOL (CY) (UNADJUSTED)				CUMULATIVE VOL (CY)			
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT 1.00	EXPANDED FILL 1.20	EXPANDED EBS BACKFILL 1.00	MASS ORDINATE
							NOTE 1	NOTE 2	NOTE 3		NOTE 1			NOTE 4
654+75.26	65475.26	0.00	0.00	0.00	0.00	0.40	0	0	0	0	0	0	0	0
655+00.00	65500.00	24.74	0.00	0.00	0.00	0.40	0	0	0	0	0	0	0	0
655+25.00	65525.00	25.00	0.00	0.00	0.00	0.40	0	0	0	0	0	0	0	0
655+50.00	65550.00	25.00	0.00	0.00	0.00	0.40	0	0	0	0	0	0	0	0
656+00.00	65600.00	50.00	0.00	0.00	0.00	0.40	0	0	0	1	0	0	1	0
656+50.00	65650.00	50.00	0.00	0.00	0.00	0.40	0	0	0	1	0	0	2	0
656+93.51	65693.51	43.51	0.00	0.00	0.00	0.40	0	0	0	1	0	0	3	0
657+00.00	65700.00	6.49	0.00	0.00	0.00	0.40	0	0	0	0	0	0	3	0
657+50.00	65750.00	50.00	0.00	0.00	0.00	0.40	0	0	0	1	0	0	4	0
657+77.44	65777.44	27.44	43.88	9.40	0.00	0.40	22	5	0	0	22	0	4	17
658+00.00	65800.00	22.56	32.05	10.29	5.76	0.40	32	8	2	0	54	2	4	39
658+11.56	65811.56	11.56	35.04	10.43	9.31	0.40	14	4	3	0	68	6	4	45
658+50.00	65850.00	38.44	24.78	11.01	13.96	0.40	43	15	17	1	111	26	5	53
659+00.00	65900.00	50.00	30.80	12.06	14.78	0.40	51	21	27	1	162	59	6	50
659+14.76	65914.76	14.76	31.18	11.95	13.88	0.40	17	7	8	0	179	68	6	51
659+50.00	65950.00	35.24	29.68	12.06	1.60	0.40	40	16	10	1	219	80	7	63
660+00.00	66000.00	50.00	37.42	11.85	12.05	0.40	62	22	13	1	281	96	8	87
660+50.00	66050.00	50.00	46.68	25.43	13.97	0.40	78	35	24	1	359	125	9	101
661+00.00	66100.00	50.00	46.45	25.47	11.13	0.40	86	47	23	1	445	152	10	113
661+50.00	66150.00	50.00	54.15	25.63	6.33	0.40	93	47	16	1	538	172	11	139
662+00.00	66200.00	50.00	64.13	25.81	3.44	0.40	110	48	9	1	648	182	12	191
662+50.00	66250.00	50.00	72.35	25.75	1.88	0.40	126	48	5	1	774	188	13	263
663+00.00	66300.00	50.00	71.24	26.01	5.00	0.40	133	48	6	1	907	196	14	340
663+50.00	66350.00	50.00	72.51	25.69	18.49	0.40	133	48	22	1	1,040	222	15	399
664+00.00	66400.00	50.00	76.49	25.74	17.04	0.40	138	48	33	1	1,178	262	16	449
664+50.00	66450.00	50.00	69.22	25.89	13.03	0.40	135	48	28	1	1,313	295	17	503
665+00.00	66500.00	50.00	59.06	27.07	9.22	0.40	119	49	21	1	1,432	320	18	548
665+50.00	66550.00	50.00	42.11	26.51	7.13	0.40	94	50	15	1	1,526	338	19	574
666+00.00	66600.00	50.00	47.78	26.64	13.05	0.40	83	49	19	1	1,609	361	20	585
666+50.00	66650.00	50.00	56.33	26.83	12.89	0.40	96	50	24	1	1,705	390	21	602
666+75.00	66675.00	25.00	67.49	27.46	0.00	0.40	57	25	6	0	1,762	397	21	627
667+00.00	66700.00	25.00	56.29	27.14	7.75	0.40	57	25	4	0	1,819	402	21	654
667+50.00	66750.00	50.00	55.51	27.54	13.21	0.40	104	51	19	1	1,923	425	22	684
668+00.00	66800.00	50.00	60.96	27.63	8.28	0.40	108	51	20	1	2,031	449	23	717
668+50.00	66850.00	50.00	65.88	27.70	4.93	0.40	117	51	12	1	2,148	463	24	769
669+00.00	66900.00	50.00	47.24	27.79	10.82	0.40	105	51	15	1	2,253	481	25	805
669+18.29	66918.29	18.29	91.24	27.80	0.00	0.40	47	19	4	0	2,300	486	25	828
669+50.00	66950.00	31.71	41.67	27.71	35.58	0.40	78	33	21	0	2,378	511	25	848
669+81.96	66981.96	31.96	65.54	27.75	0.00	0.40	63	33	21	0	2,441	536	25	853
670+00.00	67000.00	18.04	41.99	27.81	40.95	0.40	36	19	14	0	2,477	553	25	853
670+50.00	67050.00	50.00	43.03	27.94	24.24	0.40	79	52	60	1	2,556	625	26	808
671+00.00	67100.00	50.00	47.34	27.91	0.13	0.40	84	52	23	1	2,640	653	27	812
671+50.00	67150.00	50.00	44.06	28.06	0.01	0.40	85	52	0	1	2,725	653	28	845
671+75.00	67175.00	25.00	72.17	27.81	0.00	0.40	54	26	0	0	2,779	653	28	873
672+00.00	67200.00	25.00	69.10	27.54	0.00	0.40	65	26	0	0	2,844	653	28	912
672+50.00	67250.00	50.00	73.39	27.60	1.38	0.40	132	51	1	1	2,976	654	29	992
673+00.00	67300.00	50.00	97.56	27.54	1.11	0.40	158	51	2	1	3,134	656	30	1,097
673+50.00	67350.00	50.00	100.20	27.31	17.85	0.40	183	51	18	1	3,317	678	31	1,207
674+00.00	67400.00	50.00	98.97	27.30	2.76	0.40	184	51	19	1	3,501	701	32	1,317
674+50.00	67450.00	50.00	101.31	27.27	0.00	0.40	185	51	3	1	3,686	704	33	1,448
675+00.00	67500.00	50.00	97.39	27.22	0.10	0.40	184	50	0	1	3,870	704	34	1,582
675+50.00	67550.00	50.00	105.08	27.22	0.00	0.40	187	50	0	1	4,057	704	35	1,719
676+00.00	67600.00	50.00	51.85	27.08	0.00	0.40	145	50	0	1	4,202	704	36	1,814
676+50.00	67650.00	50.00	56.74	27.02	0.00	0.40	101	50	0	1	4,303	704	37	1,865
676+75.00	67675.00	25.00	103.76	26.99	0.00	0.40	74	25	0	0	4,377	704	37	1,914
677+00.00	67700.00	25.00	53.54	26.86	0.00	0.40	73	25	0	0	4,450	704	37	1,962
677+50.00	67750.00	50.00	52.78	26.83	0.00	0.40	98	50	0	1	4,548	704	38	2,010
678+00.00	67800.00	50.00	66.28	26.70	0.00	0.40	110	50	0	1	4,658	704	39	2,070
678+50.00	67850.00	50.00	116.09	26.96	0.00	0.40	169	50	0	1	4,827	704	40	2,189
679+00.00	67900.00	50.00	59.89	26.69	0.00	0.40	163	50	0	1	4,990	704	41	2,302
679+50.00	67950.00	50.00	63.19	26.55	0.00	0.40	114	49	0	1	5,104	704	42	2,367
680+00.00	68000.00	50.00	71.75	26.34	0.00	0.40	125	49	0	1	5,229	704	43	2,443
680+50.00	68050.00	50.00	72.80	26.29	0.00	0.40	134	49	0	1	5,363	704	44	2,528
680+65.00	68065.00	15.00	77.48	26.26	0.00	0.40	42	15	0	0	5,405	704	44	2,555
681+00.00	68100.00	35.00	78.72	26.28	0.00	0.40	101	34	0	1	5,506	704	45	2,622

6145-01-72 - STAGE 1

STATION	REAL STATION	DISTANCE	AREA (SF)				INCREMENTAL VOL (CY) (UNADJUSTED)				CUMULATIVE VOL (CY)			
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT 1.00	EXPANDED FILL 1.20	EXPANDED EBS BACKFILL 1.00	MASS ORDINATE
							NOTE 1	NOTE 2	NOTE 3		NOTE 1			NOTE 4
681+50.00	68150.00	50.00	75.55	26.09	0.00	0.40	143	48	0	1	5,649	704	46	2,717
682+00.00	68200.00	50.00	73.43	26.37	0.00	0.40	138	49	0	1	5,787	704	47	2,806
682+50.00	68250.00	50.00	69.11	26.35	0.00	0.40	132	49	0	1	5,919	704	48	2,889
683+00.00	68300.00	50.00	84.42	26.10	0.00	0.40	142	49	0	1	6,061	704	49	2,982
683+50.00	68350.00	50.00	109.32	26.04	0.00	0.40	179	48	0	1	6,240	704	50	3,113
684+00.00	68400.00	50.00	90.55	26.04	0.00	0.40	185	48	0	1	6,425	704	51	3,250
684+50.00	68450.00	50.00	94.22	52.02	0.00	0.40	171	72	0	1	6,596	704	52	3,349
684+64.81	68464.81	14.81	109.84	82.44	0.00	0.40	56	37	0	0	6,652	704	52	3,368
685+00.00	68500.00	35.19	87.32	25.79	0.00	0.40	128	71	0	1	6,780	704	53	3,425
685+50.00	68550.00	50.00	81.02	25.79	0.00	0.40	156	48	0	1	6,936	704	54	3,533
686+00.00	68600.00	50.00	104.71	26.23	0.00	0.40	172	48	0	1	7,108	704	55	3,657
686+18.84	68618.84	18.84	103.93	26.21	0.00	0.40	73	18	0	0	7,181	704	55	3,712
686+50.00	68650.00	31.16	79.74	25.84	0.00	0.40	106	30	0	0	7,287	704	55	3,788
687+00.00	68700.00	50.00	80.63	25.88	0.00	0.40	148	48	0	1	7,435	704	56	3,888
687+25.00	68725.00	25.00	79.45	25.83	0.20	0.40	74	24	0	0	7,509	704	56	3,938
687+50.00	68750.00	25.00	71.41	25.76	0.00	0.40	70	24	0	0	7,579	704	56	3,984
687+84.58	68784.58	34.58	121.74	25.77	0.00	0.40	124	33	0	1	7,703	704	57	4,075
688+00.00	68800.00	15.42	122.94	25.85	0.00	0.40	70	15	0	0	7,773	704	57	4,130
688+25.00	68825.00	25.00	91.94	25.77	0.00	0.40	99	24	0	0	7,872	704	57	4,205
688+50.00	68850.00	25.00	88.87	25.85	0.00	0.40	84	24	0	0	7,956	704	57	4,265
689+00.00	68900.00	50.00	90.62	25.91	0.07	0.40	166	48	0	1	8,122	704	58	4,383
689+50.00	68950.00	50.00	82.93	26.04	0.00	0.40	161	48	0	1	8,283	704	59	4,496
690+00.00	69000.00	50.00	81.35	26.23	1.56	0.40	152	48	1	1	8,435	706	60	4,598
690+50.00	69050.00	50.00	73.43	26.17	8.76	0.40	143	49	10	1	8,578	718	61	4,680
691+00.00	69100.00	50.00	72.60	26.07	7.99	0.40	135	48	16	1	8,713	737	62	4,748
691+50.00	69150.00	50.00	69.17	26.12	1.54	0.40	131	48	9	1	8,844	748	63	4,820
691+77.45	69177.45	27.45	76.77	26.12	0.00	0.40	74	27	1	0	8,918	749	63	4,866
692+00.00	69200.00	22.55	62.04	26.13	5.22	0.40	58	22	2	0	8,976	751	63	4,900
692+50.00	69250.00	50.00	66.91	26.14	5.76	0.40	119	48	10	1	9,095	763	64	4,959
693+00.00	69300.00	50.00	73.10	26.17	2.00	0.40	130	48	7	1	9,225	772	65	5,032
693+50.00	69350.00	50.00	76.76	26.29	3.23	0.40	139	49	5	1	9,364	778	66	5,116
694+00.00	69400.00	50.00	76.06	26.39	5.60	0.40	142	49	8	1	9,506	787	67	5,200
694+50.00	69450.00	50.00	77.50	26.55	1.78	0.40	142	49	7	1	9,648	796	68	5,284
695+00.00	69500.00	50.00	74.58	26.52	0.06	0.40	141	49	2	1	9,789	798	69	5,374
695+32.74	69532.74	32.74	96.55	26.54	0.00	0.40	104	32	0	0	9,893	798	69	5,446
695+50.00	69550.00	17.26	70.38	26.57	0.00	0.40	53	17	0	0	9,946	798	69	5,482
696+00.00	69600.00	50.00	69.59	26.45	13.83	0.40	130	49	13	1	10,076	814	70	5,547
696+50.00	69650.00	50.00	67.40	26.46	13.59	0.40	127	49	25	1	10,203	844	71	5,595
697+00.00	69700.00	50.00	62.06	26.42	12.11	0.40	120	49	24	1	10,323	872	72	5,638
697+50.00	69750.00	50.00	58.43	26.51	12.46	0.40	112	49	23	1	10,435	900	73	5,673
698+00.00	69800.00	50.00	57.09	26.64	5.76	0.40	107	49	17	1	10,542	920	74	5,711
698+26.77	69826.77	26.77	71.55	26.66	0.00	0.40	64	26	3	0	10,606	924	74	5,745
698+50.00	69850.00	23.23	61.11	26.63	0.94	0.40	57	23	0	0	10,663	924	74	5,779
699+00.00	69900.00	50.00	66.45	26.51	0.00	0.40	118	49	1	1	10,781	925	75	5,847
699+50.00	69950.00	50.00	78.04	26.47	0.00	0.40	134	49	0	1	10,915	925	76	5,932
699+77.30	69977.30	27.30	99.13	26.88	0.00	0.40	90	27	0	0	11,005	925	76	5,995
700+00.00	70000.00	22.70	75.66	26.53	0.00	0.40	73	22	0	0	11,078	925	76	6,046
700+50.00	70050.00	50.00	105.10	26.63	2.00	0.40	167	49	2	1	11,245	928	77	6,161

NOTES:	
1 - CUT	CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL
2 - SALVAGED/UNUSABLE PAVEMENT MATERIAL	THIS DOES NOT SHOW UP IN CROSS SECTIONS
3 - FILL	DOES NOT INCLUDE UNUSABLE PAVEMENT EXC VOLUME
4 - MASS ORDINATE	CUT - SALVAGED PAVT - (FILL * FILL FACTOR)

9

9

PROJECT NO: 6145-01-72 | HWY: USH 12 | COUNTY: SAUK | EARTHWORK DATA | SHEET 1078 | E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\SINGLE LET_ALL IDS\090101_EW.DWG
LAYOUT NAME - 04

PLOT DATE : 6/29/2025 8:53 PM PLOT BY : BARRETT, WILL PLOT NAME : PLOT SCALE : 1" = 1'

WISDOT/CADDS SHEET 49

6145-01-72 - STAGE 2

STATION	REAL STATION	DISTANCE	AREA (SF)				INCREMENTAL VOL (CY) (UNADJUSTED)				CUMULATIVE VOL (CY)			
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT	EXPANDED FILL	EXPANDED EBS BACKFILL	MASS ORDINATE
							NOTE 1	NOTE 2	NOTE 3		1.00 NOTE 1	1.20	1.00	NOTE 4
654+75.26	65475.26	0.00	0.00	0.00	0.00	0.40	0	0	0	0	0	0	0	0
655+00.00	65500.00	24.74	0.00	0.00	0.00	0.40	0	0	0	0	0	0	0	0
655+25.00	65525.00	25.00	0.00	0.00	0.00	0.40	0	0	0	0	0	0	0	0
655+50.00	65550.00	25.00	0.00	0.00	0.00	0.40	0	0	0	0	0	0	0	0
656+00.00	65600.00	50.00	0.00	0.00	0.00	0.40	0	0	0	1	0	0	1	0
656+50.00	65650.00	50.00	0.00	0.00	0.00	0.40	0	0	0	1	0	0	2	0
656+93.51	65693.51	43.51	0.00	0.00	0.00	0.40	0	0	0	1	0	0	3	0
657+00.00	65700.00	6.49	0.00	0.00	0.00	0.40	0	0	0	0	0	0	3	0
657+50.00	65750.00	50.00	44.66	17.61	8.02	0.40	41	16	7	1	41	8	4	17
657+77.44	65777.44	27.44	49.28	23.26	0.00	0.40	48	21	4	0	89	13	4	39
658+00.00	65800.00	22.56	43.30	24.36	0.00	0.40	39	20	0	0	128	13	4	58
658+11.56	65811.56	11.56	48.31	24.80	0.00	0.40	20	11	0	0	148	13	4	67
658+50.00	65850.00	38.44	36.21	25.98	0.00	0.40	60	36	0	1	208	13	5	91
659+00.00	65900.00	50.00	83.09	27.79	0.00	0.40	110	50	0	1	318	13	6	151
659+14.76	65914.76	14.76	76.33	28.15	0.00	0.40	44	15	0	0	362	13	6	180
659+50.00	65950.00	35.24	106.73	28.65	0.00	0.40	119	37	0	1	481	13	7	262
660+00.00	66000.00	50.00	49.09	28.47	0.00	0.40	144	53	0	1	625	13	8	353
660+50.00	66050.00	50.00	49.93	28.20	0.32	0.40	92	52	0	1	717	13	9	393
661+00.00	66100.00	50.00	49.43	28.10	5.44	0.40	92	52	5	1	809	19	10	427
661+50.00	66150.00	50.00	59.51	28.04	0.00	0.40	101	52	5	1	910	25	11	470
662+00.00	66200.00	50.00	74.57	27.94	0.00	0.40	124	52	0	1	1,034	25	12	542
662+50.00	66250.00	50.00	64.17	27.84	0.00	0.40	128	52	0	1	1,162	25	13	618
663+00.00	66300.00	50.00	64.32	27.58	0.00	0.40	119	51	0	1	1,281	25	14	686
663+50.00	66350.00	50.00	65.17	27.56	0.00	0.40	120	51	0	1	1,401	25	15	755
664+00.00	66400.00	50.00	71.02	27.50	0.04	0.40	126	51	0	1	1,527	25	16	830
664+50.00	66450.00	50.00	133.74	27.58	0.00	0.40	190	51	0	1	1,717	25	17	969
665+00.00	66500.00	50.00	88.07	27.75	0.00	0.40	205	51	0	1	1,922	25	18	1,123
665+50.00	66550.00	50.00	99.05	26.73	0.00	0.40	173	50	0	1	2,095	25	19	1,246
666+00.00	66600.00	50.00	108.84	25.07	0.00	0.40	192	48	0	1	2,287	25	20	1,390
666+50.00	66650.00	50.00	125.58	23.42	0.00	0.40	217	45	0	1	2,504	25	21	1,562
666+75.00	66675.00	25.00	112.90	22.57	0.00	0.40	110	21	0	0	2,614	25	21	1,651
667+00.00	66700.00	25.00	95.33	21.67	0.00	0.40	96	20	0	0	2,710	25	21	1,727
667+50.00	66750.00	50.00	81.70	21.42	0.00	0.40	164	40	0	1	2,874	25	22	1,851
668+00.00	66800.00	50.00	75.20	21.24	0.00	0.40	145	40	0	1	3,019	25	23	1,956
668+50.00	66850.00	50.00	74.39	21.11	0.00	0.40	139	39	0	1	3,158	25	24	2,056
669+00.00	66900.00	50.00	82.97	20.92	0.00	0.40	146	39	0	1	3,304	25	25	2,163
669+18.29	66918.29	18.29	85.32	20.86	0.00	0.40	57	14	0	0	3,361	25	25	2,206
669+50.00	66950.00	31.71	80.05	20.83	0.00	0.40	97	24	0	0	3,458	25	25	2,279
669+81.96	66981.96	31.96	55.27	20.73	0.00	0.40	80	25	0	0	3,538	25	25	2,334
670+00.00	67000.00	18.04	47.23	20.64	0.00	0.40	34	14	0	0	3,572	25	25	2,354
670+50.00	67050.00	50.00	52.45	20.47	4.05	0.40	92	38	4	1	3,664	30	26	2,403
671+00.00	67100.00	50.00	64.75	20.03	0.00	0.40	109	37	4	1	3,773	35	27	2,470
671+50.00	67150.00	50.00	69.73	19.79	0.00	0.40	125	37	0	1	3,898	35	28	2,558
671+75.00	67175.00	25.00	76.37	19.72	0.00	0.40	68	18	0	0	3,966	35	28	2,608
672+00.00	67200.00	25.00	95.64	19.46	0.00	0.40	80	18	0	0	4,046	35	28	2,670
672+50.00	67250.00	50.00	84.81	19.22	0.00	0.40	167	36	0	1	4,213	35	29	2,801
673+00.00	67300.00	50.00	80.35	19.07	0.00	0.40	153	35	0	1	4,366	35	30	2,919
673+50.00	67350.00	50.00	83.19	18.61	0.00	0.40	151	35	0	1	4,517	35	31	3,035
674+00.00	67400.00	50.00	53.46	19.33	31.03	0.40	127	35	29	1	4,644	70	32	3,092
674+50.00	67450.00	50.00	66.71	18.00	5.03	0.40	111	35	33	1	4,755	109	33	3,129
675+00.00	67500.00	50.00	109.62	17.97	0.00	0.40	163	33	5	1	4,918	115	34	3,253
675+50.00	67550.00	50.00	115.28	17.86	0.00	0.40	208	33	0	1	5,126	115	35	3,428
676+00.00	67600.00	50.00	122.43	17.71	0.00	0.40	220	33	0	1	5,346	115	36	3,615
676+50.00	67650.00	50.00	111.91	17.53	0.00	0.40	217	33	0	1	5,563	115	37	3,799
676+75.00	67675.00	25.00	115.27	17.53	0.00	0.40	105	16	0	0	5,668	115	37	3,888
677+00.00	67700.00	25.00	95.91	17.39	0.00	0.40	98	16	0	0	5,766	115	37	3,970
677+50.00	67750.00	50.00	47.59	17.45	0.53	0.40	133	32	0	1	5,899	115	38	4,071
678+00.00	67800.00	50.00	47.12	17.27	0.67	0.40	88	32	1	1	5,987	116	39	4,126
678+50.00	67850.00	50.00	46.78	17.10	3.84	0.40	87	32	4	1	6,074	121	40	4,176
679+00.00	67900.00	50.00	43.70	16.99	5.75	0.40	84	32	9	1	6,158	132	41	4,217
679+50.00	67950.00	50.00	46.60	17.00	4.98	0.40	84	31	10	1	6,242	144	42	4,258
680+00.00	68000.00	50.00	43.56	16.96	8.68	0.40	83	31	13	1	6,325	160	43	4,294
680+50.00	68050.00	50.00	41.11	16.70	1.33	0.40	78	31	9	1	6,403	170	44	4,331
680+65.00	68065.00	15.00	67.43	16.78	0.00	0.40	30	9	0	0	6,433	170	44	4,352
681+00.00	68100.00	35.00	53.50	16.92	6.71	0.40	78	22	4	1	6,511	175	45	4,403

6145-01-72 - STAGE 2

STATION	REAL STATION	DISTANCE	AREA (SF)				INCREMENTAL VOL (CY) (UNADJUSTED)				CUMULATIVE VOL (CY)			
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT	EXPANDED FILL	EXPANDED EBS BACKFILL	MASS ORDINATE
							NOTE 1	NOTE 2	NOTE 3		1.00 NOTE 1	1.20	1.00	NOTE 4
681+50.00	68150.00	50.00	54.99	16.87	46.77	0.40	100	31	50	1	6,611	235	46	4,412
682+00.00	68200.00	50.00	55.97	16.74	7.88	0.40	103	31	51	1	6,714	296	47	4,423
682+50.00	68250.00	50.00	54.87	16.82	2.84	0.40	103	31	10	1	6,817	308	48	4,483
683+00.00	68300.00	50.00	56.44	17.01	1.09	0.40	103	31	4	1	6,920	313	49	4,550
683+50.00	68350.00	50.00	58.18	17.19	0.59	0.40	106	32	2	1	7,026	316	50	4,621
684+00.00	68400.00	50.00	57.49	17.32	0.35	0.40	107	32	1	1	7,133	317	51	4,695
684+50.00	68450.00	50.00	54.54	17.44	1.43	0.40	104	32	2	1	7,237	319	52	4,765
684+64.81	68464.81	14.81	53.72	17.48	1.67	0.40	30	10	1	0	7,267	320	52	4,784
685+00.00	68500.00	35.19	56.07	17.54	0.92	0.40	72	23	2	1	7,339	323	53	4,830
685+50.00	68550.00	50.00	61.22	17.65	0.24	0.40	109	33	1	1	7,448	324	54	4,905
686+00.00	68600.00	50.00	60.60	17.75	0.11	0.40	113	33	0	1	7,561	324	55	4,985
686+18.84	68618.84	18.84	59.91	17.84	0.11	0.40	42	12	0	0	7,603	324	55	5,015
686+50.00	68650.00	31.16	59.48	17.84	0.01	0.40	69	21	0	0	7,672	324	55	5,063
687+00.00	68700.00	50.00	59.29	17.98	2.17	0.40	110	33	2	1	7,782	326	56	5,138
687+25.00	68725.00	25.00	57.80	18.17	3.45	0.40	54	17	3	0	7,836	330	56	5,171
687+50.00	68750.00	25.00	57.97	18.18	2.38	0.40	54	17	3	0	7,890	334	56	5,204
687+84.58	68784.58	34.58	55.65	18.35	3.18	0.40	73	23	4	1	7,963	338	57	5,250
688+00.00	68800.00	15.42	51.53	18.43	4.05	0.40	31	11	2	0	7,994	341	57	5,267
688+25.00	68825.00	25.00	44.84	18.60	0.17	0.40	45	17	2	0	8,039	343	57	5,293
688+50.00	68850.00	25.00	56.92	18.57	6.30	0.40	47	17	3	0	8,086	347	57	5,319
689+00.00	68900.00	50.00	63.15	18.61	4.09	0.40	111	34	10	1	8,197	359	58	5,384
689+50.00	68950.00	50.00	59.71	18.86	4.40	0.40	114	35	8	1	8,311	368	59	5,454
690+00.00	69000.00	50.00	52.32	19.27	6.05	0.40	104	35	10	1	8,415	380	60	5,511
690+50.00	69050.00	50.00	56.95	19.34	0.00	0.40	101	36	6	1	8,516	388	61	5,568
691+00.00	69100.00	50.00	56.53	19.65	2.46	0.40	105	36	2	1	8,621	390	62	5,635
691+50.00	69150.00	50.00	61.23	19.88	0.23	0.40	109	37	2	1	8,730	392	63	5,705
691+77.45	69177.45	27.45	61.56	20.04	0.33	0.40	62	20	0	0	8,792	392	63	5,747
692+00.00	69200.00	22.55	61.08	20.05	0.68	0.40	51	17	0	0	8,843	392	63	5,781
692+50.00	69250.00	50.00	60.05	20.34	2.12	0.40	112	37	3	1	8,955	396	64	5,852
693+00.00	69300.00	50.00	62.51	20.73	2.09	0.40	113	38	4	1	9,068	401	65	5,922
693+50.00	69350.00	50.00	67.88	21.11	2.09	0.40	121	39	4	1	9,189	406	66	5,999
694+00.00	69400.00	50.00	66.71	21.54	3.70	0.40	125	39	5	1	9,314	412	67	6,079
694+50.00	69450.00	50.00	66.51	21.63	6.54	0.40	123	40	9	1	9,437	422	68	6,152
695+00.00	69500.00	50.00	64.90	21.86	6.09	0.40	122	40	12	1	9,559	437	69	6,219
695+32.74	69532.74	32.74	64.46	21.83	4.11	0.40	78	26	6	0	9,637	444	69	6,264
695+50.00	69550.00	17.26	63.49	21.87	3.26	0.40	41	14	2	0	9,678	446	69	6,289
696+00.00	69600.00	50.00	52.13	22.23	8.91	0.40	107	41	11	1	9,785	460	70	6,341
696+50.00	69650.00	50.00	77.84	21.96	0.00	0.40	120	41	8	1	9,905	469	71	6,411
697+00.00	69700.00	50.00	55.01	21.95	6.83	0.40	123	41	6	1	10,028	476	72	6,486
697+50.00	69750.00	50.00	51.41	21.94	7.29	0.40	99	41	13	1	10,127	492	73	6,528
698+00.00	69800.00	50.00	51.02	21.91	7.57	0.40	95	41	14	1	10,222	509	74	6,565
698+26.77	69826.77	26.77	51.09	21.89	8.63	0.40	51	22	8	0	10,273	518	74	6,585
698+50.00	69850.00	23.23	51.44	21.91	6.84	0.40	44	19	7	0	10,317	527	74	6,601
699+00.00	69900.00	50.00	56.57	21.90	1.85	0.40	100	41	8	1	10,417	536	75	6,651
699+50.00	69950.00	50.00	66.01	22.05	0.00	0.40	113	41	2	1	10,530	539	76	6,720
699+77.30	69977.30	27.30	72.48	21.96	0.00	0.40	70	22	0	0	10,600	539	76	6,768
700+00.00	70000.00	22.70	74.67	21.96	0.00	0.40	62	18	0	0	10,662	539	76	6,812
700+50.00	70050.00	50.00	78.93	21.92	0.00	0.40	142	41	0	1	10,804	539	77	6,913

NOTES:	
1 - CUT	CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL
2 - SALVAGED/UNUSABLE PAVEMENT MATERIAL	THIS DOES NOT SHOW UP IN CROSS SECTIONS
3 - FILL	DOES NOT INCLUDE UNUSABLE PAVEMENT EXC VOLUME
4 - MASS ORDINATE	CUT - SALVAGED PAVT - (FILL * FILL FACTOR)

6145-01-72 - STAGE 3

STATION	REAL STATION	DISTANCE	AREA (SF)				INCREMENTAL VOL (CY) (UNADJUSTED)				CUMULATIVE VOL (CY)			
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT 1.00	EXPANDED FILL 1.20	EXPANDED EBS BACKFILL 1.00	MASS ORDINATE
							NOTE 1	NOTE 2	NOTE 3		NOTE 1			NOTE 4
654+75.26	65475.26	0.00	103.81	27.13	0.00	0.00	0	0	0	0	0	0	0	0
655+00.00	65500.00	24.74	94.96	26.88	0.00	0.00	91	25	0	0	91	0	0	66
655+25.00	65525.00	25.00	110.52	27.02	2.20	0.00	95	25	1	0	186	1	0	135
655+50.00	65550.00	25.00	96.61	27.10	0.07	0.00	96	25	1	0	282	2	0	205
656+00.00	65600.00	50.00	69.27	26.79	5.88	0.00	154	50	6	0	436	10	0	301
656+50.00	65650.00	50.00	56.62	26.70	10.83	0.00	117	50	15	0	553	28	0	350
656+93.51	65693.51	43.51	65.76	26.83	8.63	0.00	99	43	16	0	652	47	0	387
657+00.00	65700.00	6.49	63.18	26.83	6.70	0.00	15	6	2	0	667	49	0	394
657+50.00	65750.00	50.00	56.84	26.71	9.90	0.00	111	50	15	0	778	67	0	437
657+77.44	65777.44	27.44	0.00	0.00	0.00	0.00	29	14	5	0	807	73	0	446
658+00.00	65800.00	22.56	0.00	0.00	0.00	0.00	0	0	0	0	807	73	0	446
658+11.56	65811.56	11.56	0.00	0.00	0.00	0.00	0	0	0	0	807	73	0	446
658+50.00	65850.00	38.44	0.00	0.00	0.00	0.00	0	0	0	0	807	73	0	446
659+00.00	65900.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	807	73	0	446
659+14.76	65914.76	14.76	0.00	0.00	0.00	0.00	0	0	0	0	807	73	0	446
659+50.00	65950.00	35.24	0.00	0.00	0.00	0.00	0	0	0	0	807	73	0	446
660+00.00	66000.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	807	73	0	446
660+50.00	66050.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	807	73	0	446
661+00.00	66100.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	807	73	0	446
661+50.00	66150.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	807	73	0	446
662+00.00	66200.00	50.00	33.88	25.50	0.00	0.00	31	24	0	0	838	73	0	453
662+50.00	66250.00	50.00	39.86	26.89	0.00	0.00	68	49	0	0	906	73	0	472
663+00.00	66300.00	50.00	41.26	26.79	0.00	0.00	75	50	0	0	981	73	0	497
663+50.00	66350.00	50.00	42.98	26.64	0.00	0.00	78	49	0	0	1,059	73	0	526
664+00.00	66400.00	50.00	43.24	26.50	0.00	0.00	80	49	0	0	1,139	73	0	557
664+50.00	66450.00	50.00	40.09	26.35	0.00	0.00	77	49	0	0	1,216	73	0	585
665+00.00	66500.00	50.00	28.05	26.22	0.00	0.00	63	49	0	0	1,279	73	0	599
665+50.00	66550.00	50.00	19.95	25.99	0.00	0.00	44	48	0	0	1,323	73	0	595
666+00.00	66600.00	50.00	26.35	23.92	0.00	0.00	43	46	0	0	1,366	73	0	592
666+50.00	66650.00	50.00	30.98	21.85	0.00	0.00	53	42	0	0	1,419	73	0	603
666+75.00	66675.00	25.00	29.47	20.82	0.00	0.00	28	20	0	0	1,447	73	0	611
667+00.00	66700.00	25.00	0.00	0.00	0.00	0.00	14	10	0	0	1,461	73	0	615
667+50.00	66750.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	1,461	73	0	615
668+00.00	66800.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	1,461	73	0	615
668+50.00	66850.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	1,461	73	0	615
669+00.00	66900.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	1,461	73	0	615
669+18.29	66918.29	18.29	0.00	0.00	0.00	0.00	0	0	0	0	1,461	73	0	615
669+50.00	66950.00	31.71	0.00	0.00	0.00	0.00	0	0	0	0	1,461	73	0	615
669+81.96	66981.96	31.96	0.00	0.00	0.00	0.00	0	0	0	0	1,461	73	0	615
670+00.00	67000.00	18.04	0.00	0.00	0.00	0.00	0	0	0	0	1,461	73	0	615
670+50.00	67050.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	1,461	73	0	615
671+00.00	67100.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	1,461	73	0	615
671+50.00	67150.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	1,461	73	0	615
671+75.00	67175.00	25.00	0.00	0.00	0.00	0.00	0	0	0	0	1,461	73	0	615
672+00.00	67200.00	25.00	0.00	0.00	0.00	0.00	0	0	0	0	1,461	73	0	615
672+50.00	67250.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	1,461	73	0	615
673+00.00	67300.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	1,461	73	0	615
673+50.00	67350.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	1,461	73	0	615
674+00.00	67400.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	1,461	73	0	615
674+50.00	67450.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	1,461	73	0	615
675+00.00	67500.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	1,461	73	0	615
675+50.00	67550.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	1,461	73	0	615
676+00.00	67600.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	1,461	73	0	615
676+50.00	67650.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	1,461	73	0	615
676+75.00	67675.00	25.00	0.00	0.00	0.00	0.00	0	0	0	0	1,461	73	0	615
677+00.00	67700.00	25.00	0.00	0.00	0.00	0.00	0	0	0	0	1,461	73	0	615
677+50.00	67750.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	1,461	73	0	615
678+00.00	67800.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	1,461	73	0	615
678+50.00	67850.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	1,461	73	0	615
679+00.00	67900.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	1,461	73	0	615
679+50.00	67950.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	1,461	73	0	615
680+00.00	68000.00	50.00	27.19	19.25	0.00	0.00	25	18	0	0	1,486	73	0	622
680+50.00	68050.00	50.00	27.12	19.26	0.00	0.00	50	36	0	0	1,536	73	0	636
680+65.00	68065.00	15.00	25.85	19.26	0.00	0.00	15	11	0	0	1,551	73	0	640
681+00.00	68100.00	35.00	27.49	19.26	0.00	0.00	35	25	0	0	1,586	73	0	650

6145-01-72 - STAGE 3

STATION	REAL STATION	DISTANCE	AREA (SF)				INCREMENTAL VOL (CY) (UNADJUSTED)				CUMULATIVE VOL (CY)			
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT 1.00	EXPANDED FILL 1.20	EXPANDED EBS BACKFILL 1.00	MASS ORDINATE
							NOTE 1	NOTE 2	NOTE 3		NOTE 1			NOTE 4
681+50.00	68150.00	50.00	27.97	19.25	0.00	0.00	51	36	0	0	1,637	73	0	665
682+00.00	68200.00	50.00	27.56	19.25	0.00	0.00	51	36	0	0	1,688	73	0	680
682+50.00	68250.00	50.00	26.65	19.25	0.00	0.00	50	36	0	0	1,738	73	0	694
683+00.00	68300.00	50.00	29.41	19.24	0.00	0.00	52	36	0	0	1,790	73	0	710
683+50.00	68350.00	50.00	29.46	19.25	0.00	0.00	55	36	0	0	1,845	73	0	729
684+00.00	68400.00	50.00	29.16	19.25	0.00	0.00	54	36	0	0	1,899	73	0	747
684+50.00	68450.00	50.00	30.78	19.26	0.00	0.00	55	36	0	0	1,954	73	0	766
684+64.81	68464.81	14.81	31.76	19.25	0.00	0.00	17	11	0	0	1,971	73	0	772
685+00.00	68500.00	35.19	33.51	19.25	0.00	0.00	43	25	0	0	2,014	73	0	790
685+50.00	68550.00	50.00	33.75	19.25	0.00	0.00	62	36	0	0	2,076	73	0	816
686+00.00	68600.00	50.00	33.30	19.25	0.00	0.00	62	36	0	0	2,138	73	0	842
686+18.84	68618.84	18.84	34.40	19.25	0.00	0.00	24	13	0	0	2,162	73	0	853
686+50.00	68650.00	31.16	36.30	19.24	0.00	0.00	41	22	0	0	2,203	73	0	872
687+00.00	68700.00	50.00	35.19	19.25	0.00	0.00	66	36	0	0	2,269	73	0	902
687+25.00	68725.00	25.00	33.70	19.25	0.00	0.00	32	18	0	0	2,301	73	0	916
687+50.00	68750.00	25.00	33.24	19.25	0.00	0.00	31	18	0	0	2,332	73	0	929
687+84.58	68784.58	34.58	32.93	19.25	0.00	0.00	42	25	0	0	2,374	73	0	946
688+00.00	68800.00	15.42	33.87	19.26	0.00	0.00	19	11	0	0	2,393	73	0	954
688+25.00	68825.00	25.00	35.06	19.24	0.00	0.00	32	18	0	0	2,425	73	0	968
688+50.00	68850.00	25.00	36.48	19.25	0.00	0.00	33	18	0	0	2,458	73	0	983
689+00.00	68900.00	50.00	36.08	19.25	0.00	0.00	67	36	0	0	2,525	73	0	1,014
689+50.00	68950.00	50.00	34.08	19.25	0.00	0.00	65	36	0	0	2,590	73	0	1,043
690+00.00	69000.00	50.00	33.65	19.24	0.00	0.00	63	36	0	0	2,653	73	0	1,070
690+50.00	69050.00	50.00	34.40	19.25	0.00	0.00	63	36	0	0	2,716	73	0	1,097
691+00.00	69100.00	50.00	33.97	19.25	0.00	0.00	63	36	0	0	2,779	73	0	1,124
691+50.00	69150.00	50.00	34.51	19.26	0.00	0.00	63	36	0	0	2,842	73	0	1,151
691+77.45	69177.45	27.45	35.55	19.25	0.00	0.00	36	20	0	0	2,878	73	0	1,167
692+00.00	69200.00	22.55	35.41	19.26	0.00	0.00	30	16	0	0	2,908	73	0	1,181
692+50.00	69250.00	50.00	35.21	19.25	0.00	0.00	65	36	0	0	2,973	73	0	1,210
693+00.00	69300.00	50.00	36.65	19.25	0.00	0.00	67	36	0	0	3,040	73	0	1,241
693+50.00	69350.00	50.00	42.44	19.24	0.00	0.00	73	36	0	0	3,113	73	0	1,278
694+00.00	69400.00	50.00	42.08	19.25	0.00	0.00	78	36	0	0	3,191	73	0	1,320
694+50.00	69450.00	50.00	41.30	19.25	0.00	0.00	77	36	0	0	3,268	73	0	1,361
695+00.00	69500.00	50.00	39.09	19.25	0.00	0.00	74	36	0	0	3,342	73	0	1,399
695+32.74	69532.74	32.74	37.01	19.25	0.00	0.00	46	23	0	0	3,388	73	0	1,422
695+50.00	69550.00	17.26	36.34	19.25	0.00	0.00	23	12	0	0	3,411	73	0	1,433
696+00.00	69600.00	50.00	33.93	19.25	0.00	0.00	65	36	0	0	3,476	73	0	1,462
696+50.00	69650.00	50.00	33.27	19.25	0.00	0.00	62	36	0	0	3,538	73	0	1,488
697+00.00	69700.00	50.00	30.41	19.25	0.00	0.00	59	36	0	0	3,597	73	0	1,511
697+50.00	69750.00	50.00	28.68	19.25	0.00	0.00	55	36	0	0	3,652	73	0	1,530
698+00.00	69800.00	50.00	28.55	19.25	0.00	0.00	53	36	0	0	3,705	73	0	1,547
698+26.77	69826.77	26.77	29.18	19.25	0.00	0.00	29	19	0	0	3,734	73	0	1,557
698+50.00	69850.00	23.23	29.01	19.25	0.00	0.00	25	17	0	0	3,759	73	0	1,565
699+00.00	69900.00	50.00	29.48	19.25	0.00	0.00	54	36	0	0	3,813	73	0	1,583
699+50.00	69950.00	50.00	28.85	19.25	0.00	0.00	54	36	0	0	3,867	73	0	1,601
699+77.30	69977.30	27.30	30.11	19.25	0.00	0.00	30	19	0	0	3,897	73	0	1,612
700+00.00	70000.00	22.70	30.53	19.25	0.00	0.00	25	16	0	0	3,922	73	0	1,621
700+50.00	70050.00	50.00	32.74	9.67	0.00	0.00	59	27	0	0	3,981	73	0	1,653

NOTES:	
1 - CUT	CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL
2 - SALVAGED/UNUSABLE PAVEMENT MATERIAL	THIS DOES NOT SHOW UP IN CROSS SECTIONS
3 - FILL	DOES NOT INCLUDE UNUSABLE PAVEMENT EXC VOLUME
4 - MASS ORDINATE	CUT - SALVAGED PAVT - (FILL * FILL FACTOR)

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PROJECT NO: 6145-01-72 | HWY: USH 12 | COUNTY: SAUK | EARTHWORK DATA | SHEET 1080 | E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\SINGLE LET_ALL IDS\090101_EW.DWG
LAYOUT NAME - 06

PLOT DATE : 6/29/2025 8:53 PM PLOT BY : BARRETT, WILL PLOT NAME : PLOT SCALE : 1" = 1'

WISDOT/CADDS SHEET 49

6145-01-72 - STAGE 4

STATION	REAL STATION	DISTANCE	AREA (SF)				INCREMENTAL VOL (CY) (UNADJUSTED)				CUMULATIVE VOL (CY)			
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT 1.00	EXPANDED FILL 1.20	EXPANDED EBS BACKFILL 1.00	MASS ORDINATE
							NOTE 1	NOTE 2	NOTE 3		NOTE 1			NOTE 4
654+75.26	65475.26	0.00	55.60	18.82	0.00	0.00	0	0	0	0	0	0	0	0
655+00.00	65500.00	24.74	52.38	18.95	0.00	0.00	49	17	0	0	49	0	0	32
655+25.00	65525.00	25.00	49.70	18.77	0.00	0.00	47	17	0	0	96	0	0	62
655+50.00	65550.00	25.00	51.11	18.70	0.00	0.00	47	17	0	0	143	0	0	92
656+00.00	65600.00	50.00	51.13	22.78	4.67	0.00	95	38	4	0	238	5	0	144
656+50.00	65650.00	50.00	126.26	112.54	0.00	0.00	164	125	4	0	402	10	0	178
656+93.51	65693.51	43.51	35.09	19.07	4.79	0.00	130	106	4	0	532	14	0	198
657+00.00	65700.00	6.49	36.75	18.94	0.22	0.00	9	5	1	0	541	16	0	200
657+50.00	65750.00	50.00	0.00	0.00	0.00	0.00	34	18	0	0	575	16	0	216
657+77.44	65777.44	27.44	0.00	0.00	0.00	0.00	0	0	0	0	575	16	0	216
658+00.00	65800.00	22.56	0.00	0.00	0.00	0.00	0	0	0	0	575	16	0	216
658+11.56	65811.56	11.56	0.00	0.00	0.00	0.00	0	0	0	0	575	16	0	216
658+50.00	65850.00	38.44	0.00	0.00	0.00	0.00	0	0	0	0	575	16	0	216
659+00.00	65900.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	575	16	0	216
659+14.76	65914.76	14.76	0.00	0.00	0.00	0.00	0	0	0	0	575	16	0	216
659+50.00	65950.00	35.24	0.00	0.00	0.00	0.00	0	0	0	0	575	16	0	216
660+00.00	66000.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	575	16	0	216
660+50.00	66050.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	575	16	0	216
661+00.00	66100.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	575	16	0	216
661+50.00	66150.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	575	16	0	216
662+00.00	66200.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	575	16	0	216
662+50.00	66250.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	575	16	0	216
663+00.00	66300.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	575	16	0	216
663+50.00	66350.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	575	16	0	216
664+00.00	66400.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	575	16	0	216
664+50.00	66450.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	575	16	0	216
665+00.00	66500.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	575	16	0	216
665+50.00	66550.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	575	16	0	216
666+00.00	66600.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	575	16	0	216
666+50.00	66650.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	575	16	0	216
666+75.00	66675.00	25.00	0.00	0.00	0.00	0.00	0	0	0	0	575	16	0	216
667+00.00	66700.00	25.00	0.00	0.00	0.00	0.00	0	0	0	0	575	16	0	216
667+50.00	66750.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	575	16	0	216
668+00.00	66800.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	575	16	0	216
668+50.00	66850.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	575	16	0	216
669+00.00	66900.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	575	16	0	216
669+18.29	66918.29	18.29	0.00	0.00	0.00	0.00	0	0	0	0	575	16	0	216
669+50.00	66950.00	31.71	0.00	0.00	0.00	0.00	0	0	0	0	575	16	0	216
669+81.96	66981.96	31.96	0.00	0.00	0.00	0.00	0	0	0	0	575	16	0	216
670+00.00	67000.00	18.04	0.00	0.00	0.00	0.00	0	0	0	0	575	16	0	216
670+50.00	67050.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	575	16	0	216
671+00.00	67100.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	575	16	0	216
671+50.00	67150.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	575	16	0	216
671+75.00	67175.00	25.00	0.00	0.00	0.00	0.00	0	0	0	0	575	16	0	216
672+00.00	67200.00	25.00	0.00	0.00	0.00	0.00	0	0	0	0	575	16	0	216
672+50.00	67250.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	575	16	0	216
673+00.00	67300.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	575	16	0	216
673+50.00	67350.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	575	16	0	216
674+00.00	67400.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	575	16	0	216
674+50.00	67450.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	575	16	0	216
675+00.00	67500.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	575	16	0	216
675+50.00	67550.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	575	16	0	216
676+00.00	67600.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	575	16	0	216
676+50.00	67650.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	575	16	0	216
676+75.00	67675.00	25.00	0.00	0.00	0.00	0.00	0	0	0	0	575	16	0	216
677+00.00	67700.00	25.00	0.00	0.00	0.00	0.00	0	0	0	0	575	16	0	216
677+50.00	67750.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	575	16	0	216
678+00.00	67800.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	575	16	0	216
678+50.00	67850.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	575	16	0	216
679+00.00	67900.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	575	16	0	216
679+50.00	67950.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	575	16	0	216
680+00.00	68000.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	575	16	0	216
680+50.00	68050.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	575	16	0	216
680+65.00	68065.00	15.00	0.00	0.00	0.00	0.00	0	0	0	0	575	16	0	216
681+00.00	68100.00	35.00	0.00	0.00	0.00	0.00	0	0	0	0	575	16	0	216

6145-01-72 - STAGE 4

STATION	REAL STATION	DISTANCE	AREA (SF)				INCREMENTAL VOL (CY) (UNADJUSTED)				CUMULATIVE VOL (CY)			
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT 1.00	EXPANDED FILL 1.20	EXPANDED EBS BACKFILL 1.00	MASS ORDINATE
							NOTE 1	NOTE 2	NOTE 3		NOTE 1			NOTE 4
681+50.00	68150.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	575	16	0	216
682+00.00	68200.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	575	16	0	216
682+50.00	68250.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	575	16	0	216
683+00.00	68300.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	575	16	0	216
683+50.00	68350.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	575	16	0	216
684+00.00	68400.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	575	16	0	216
684+50.00	68450.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	575	16	0	216
684+64.81	68464.81	14.81	0.00	0.00	0.00	0.00	0	0	0	0	575	16	0	216
685+00.00	68500.00	35.19	0.00	0.00	0.00	0.00	0	0	0	0	575	16	0	216
685+50.00	68550.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	575	16	0	216
686+00.00	68600.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	575	16	0	216
686+18.84	68618.84	18.84	0.00	0.00	0.00	0.00	0	0	0	0	575	16	0	216
686+50.00	68650.00	31.16	0.00	0.00	0.00	0.00	0	0	0	0	575	16	0	216
687+00.00	68700.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	575	16	0	216
687+25.00	68725.00	25.00	0.00	0.00	0.00	0.00	0	0	0	0	575	16	0	216
687+50.00	68750.00	25.00	0.00	0.00	0.00	0.00	0	0	0	0	575	16	0	216
687+84.58	68784.58	34.58	0.00	0.00	0.00	0.00	0	0	0	0	575	16	0	216
688+00.00	68800.00	15.42	0.00	0.00	0.00	0.00	0	0	0	0	575	16	0	216
688+25.00	68825.00	25.00	0.00	0.00	0.00	0.00	0	0	0	0	575	16	0	216
688+50.00	68850.00	25.00	0.00	0.00	0.00	0.00	0	0	0	0	575	16	0	216
689+00.00	68900.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	575	16	0	216
689+50.00	68950.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	575	16	0	216
690+00.00	69000.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	575	16	0	216
690+50.00	69050.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	575	16	0	216
691+00.00	69100.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	575	16	0	216
691+50.00	69150.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	575	16	0	216
691+77.45	69177.45	27.45	0.00	0.00	0.00	0.00	0	0	0	0	575	16	0	216
692+00.00	69200.00	22.55	0.00	0.00	0.00	0.00	0	0	0	0	575	16	0	216
692+50.00	69250.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	575	16	0	216
693+00.00	69300.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	575	16	0	216
693+50.00	69350.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	575	16	0	216
694+00.00	69400.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	575	16	0	216
694+50.00	69450.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	575	16	0	216
695+00.00	69500.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	575	16	0	216
695+32.74	69532.74	32.74	0.00	0.00	0.00	0.00	0	0	0	0	575	16	0	216
695+50.00	69550.00	17.26	0.00	0.00	0.00	0.00	0	0	0	0	575	16	0	216
696+00.00	69600.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	575	16	0	216
696+50.00	69650.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	575	16	0	216
697+00.00	69700.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	575	16	0	216
697+50.00	69750.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	575	16	0	216
698+00.00	69800.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	575	16	0	216
698+26.77	69826.77	26.77	0.00	0.00	0.00	0.00	0	0	0	0	575	16	0	216
698+50.00	69850.00	23.23	0.00	0.00	0.00	0.00	0	0	0	0	575	16	0	216
699+00.00	69900.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	575	16	0	216
699+50.00	69950.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	575	16	0	216
699+77.30	69977.30	27.30	0.00	0.00	0.00	0.00	0	0	0	0	575	16	0	216
700+00.00	70000.00	22.70	0.00	0.00	0.00	0.00	0	0	0	0	575	16	0	216
700+50.00	70050.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	575	16	0	216

NOTES:	
1 - CUT	CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL
2 - SALVAGED/UNUSABLE PAVEMENT MATERIAL	THIS DOES NOT SHOW UP IN CROSS SECTIONS
3 - FILL	DOES NOT INCLUDE UNUSABLE PAVEMENT EXC VOLUME
4 - MASS ORDINATE	CUT - SALVAGED PAVT - (FILL * FILL FACTOR)

9

9

PROJECT NO: 6145-01-72 | HWY: USH 12 | COUNTY: SAUK | EARTHWORK DATA | SHEET 1081 | E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\SINGLE LET_ALL IDS\090101_EW.DWG
LAYOUT NAME - 07

PLOT DATE : 6/29/2025 8:53 PM PLOT BY : BARRETT, WILL PLOT NAME : PLOT SCALE : 1" = 1'

WISDOT/CADDS SHEET 49

6145-01-72 - STAGE 5

STATION	REAL STATION	DISTANCE	AREA (SF)				INCREMENTAL VOL (CY) (UNADJUSTED)				CUMULATIVE VOL (CY)			
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT	EXPANDED FILL	EXPANDED EBS BACKFILL	MASS ORDINATE
							NOTE 1	NOTE 2	NOTE 3		1.00 NOTE 1	1.20	1.00	NOTE 4
654+75.26	65475.26	0.00	30.57	17.43	0.00	0.00	0	0	0	0	0	0	0	0
655+00.00	65500.00	24.74	31.78	18.04	0.00	0.00	29	16	0	0	29	0	0	13
655+25.00	65525.00	25.00	32.65	18.87	0.00	0.00	30	17	0	0	59	0	0	26
655+50.00	65550.00	25.00	33.36	19.63	0.00	0.00	31	18	0	0	90	0	0	39
656+00.00	65600.00	50.00	31.94	21.00	0.00	0.00	60	38	0	0	150	0	0	61
656+50.00	65650.00	50.00	30.37	22.14	0.00	0.00	58	40	0	0	208	0	0	79
656+93.51	65693.51	43.51	32.38	22.95	0.00	0.00	51	36	0	0	259	0	0	94
657+00.00	65700.00	6.49	28.37	23.07	0.00	0.00	7	6	0	0	266	0	0	95
657+50.00	65750.00	50.00	34.16	23.77	0.00	0.00	58	43	0	0	324	0	0	110
657+77.44	65777.44	27.44	31.84	24.05	0.00	0.00	34	24	0	0	358	0	0	120
658+00.00	65800.00	22.56	30.78	24.24	0.00	0.00	26	20	0	0	384	0	0	126
658+11.56	65811.56	11.56	29.10	24.31	0.00	0.00	13	10	0	0	397	0	0	129
658+50.00	65850.00	38.44	24.64	24.49	0.00	0.00	38	35	0	0	435	0	0	132
659+00.00	65900.00	50.00	25.83	24.51	0.00	0.00	47	45	0	0	482	0	0	134
659+14.76	65914.76	14.76	19.12	24.48	0.00	0.00	12	13	0	0	494	0	0	133
659+50.00	65950.00	35.24	15.42	24.32	0.00	0.00	23	32	0	0	517	0	0	124
660+00.00	66000.00	50.00	23.38	23.89	0.00	0.00	36	45	0	0	553	0	0	115
660+50.00	66050.00	50.00	22.92	23.53	0.00	0.00	43	44	0	0	596	0	0	114
661+00.00	66100.00	50.00	22.76	23.41	0.00	0.00	42	43	0	0	638	0	0	113
661+50.00	66150.00	50.00	27.08	23.28	0.00	0.00	46	43	0	0	684	0	0	116
662+00.00	66200.00	50.00	31.84	23.15	0.00	0.00	55	43	0	0	739	0	0	128
662+50.00	66250.00	50.00	0.00	0.00	0.00	0.00	29	21	0	0	768	0	0	136
663+00.00	66300.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	768	0	0	136
663+50.00	66350.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	768	0	0	136
664+00.00	66400.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	768	0	0	136
664+50.00	66450.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	768	0	0	136
665+00.00	66500.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	768	0	0	136
665+50.00	66550.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	768	0	0	136
666+00.00	66600.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	768	0	0	136
666+50.00	66650.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	768	0	0	136
666+75.00	66675.00	25.00	0.00	0.00	0.00	0.00	0	0	0	0	768	0	0	136
667+00.00	66700.00	25.00	0.00	0.00	0.00	0.00	0	0	0	0	768	0	0	136
667+50.00	66750.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	768	0	0	136
668+00.00	66800.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	768	0	0	136
668+50.00	66850.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	768	0	0	136
669+00.00	66900.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	768	0	0	136
669+18.29	66918.29	18.29	0.00	0.00	0.00	0.00	0	0	0	0	768	0	0	136
669+50.00	66950.00	31.71	0.00	0.00	0.00	0.00	0	0	0	0	768	0	0	136
669+81.96	66981.96	31.96	0.00	0.00	0.00	0.00	0	0	0	0	768	0	0	136
670+00.00	67000.00	18.04	0.00	0.00	0.00	0.00	0	0	0	0	768	0	0	136
670+50.00	67050.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	768	0	0	136
671+00.00	67100.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	768	0	0	136
671+50.00	67150.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	768	0	0	136
671+75.00	67175.00	25.00	0.00	0.00	0.00	0.00	0	0	0	0	768	0	0	136
672+00.00	67200.00	25.00	0.00	0.00	0.00	0.00	0	0	0	0	768	0	0	136
672+50.00	67250.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	768	0	0	136
673+00.00	67300.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	768	0	0	136
673+50.00	67350.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	768	0	0	136
674+00.00	67400.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	768	0	0	136
674+50.00	67450.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	768	0	0	136
675+00.00	67500.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	768	0	0	136
675+50.00	67550.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	768	0	0	136
676+00.00	67600.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	768	0	0	136
676+50.00	67650.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	768	0	0	136
676+75.00	67675.00	25.00	0.00	0.00	0.00	0.00	0	0	0	0	768	0	0	136
677+00.00	67700.00	25.00	0.00	0.00	0.00	0.00	0	0	0	0	768	0	0	136
677+50.00	67750.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	768	0	0	136
678+00.00	67800.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	768	0	0	136
678+50.00	67850.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	768	0	0	136
679+00.00	67900.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	768	0	0	136
679+50.00	67950.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	768	0	0	136
680+00.00	68000.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	768	0	0	136
680+50.00	68050.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	768	0	0	136
680+65.00	68065.00	15.00	0.00	0.00	0.00	0.00	0	0	0	0	768	0	0	136
681+00.00	68100.00	35.00	0.00	0.00	0.00	0.00	0	0	0	0	768	0	0	136

6145-01-72 - STAGE 5

STATION	REAL STATION	DISTANCE	AREA (SF)				INCREMENTAL VOL (CY) (UNADJUSTED)				CUMULATIVE VOL (CY)			
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT	EXPANDED FILL	EXPANDED EBS BACKFILL	MASS ORDINATE
							NOTE 1	NOTE 2	NOTE 3		1.00 NOTE 1	1.20	1.00	NOTE 4
681+50.00	68150.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	768	0	0	136
682+00.00	68200.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	768	0	0	136
682+50.00	68250.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	768	0	0	136
683+00.00	68300.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	768	0	0	136
683+50.00	68350.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	768	0	0	136
684+00.00	68400.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	768	0	0	136
684+50.00	68450.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	768	0	0	136
684+64.81	68464.81	14.81	0.00	0.00	0.00	0.00	0	0	0	0	768	0	0	136
685+00.00	68500.00	35.19	0.00	0.00	0.00	0.00	0	0	0	0	768	0	0	136
685+50.00	68550.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	768	0	0	136
686+00.00	68600.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	768	0	0	136
686+18.84	68618.84	18.84	0.00	0.00	0.00	0.00	0	0	0	0	768	0	0	136
686+50.00	68650.00	31.16	0.00	0.00	0.00	0.00	0	0	0	0	768	0	0	136
687+00.00	68700.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	768	0	0	136
687+25.00	68725.00	25.00	0.00	0.00	0.00	0.00	0	0	0	0	768	0	0	136
687+50.00	68750.00	25.00	0.00	0.00	0.00	0.00	0	0	0	0	768	0	0	136
687+84.58	68784.58	34.58	0.00	0.00	0.00	0.00	0	0	0	0	768	0	0	136
688+00.00	68800.00	15.42	0.00	0.00	0.00	0.00	0	0	0	0	768	0	0	136
688+25.00	68825.00	25.00	0.00	0.00	0.00	0.00	0	0	0	0	768	0	0	136
688+50.00	68850.00	25.00	0.00	0.00	0.00	0.00	0	0	0	0	768	0	0	136
689+00.00	68900.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	768	0	0	136
689+50.00	68950.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	768	0	0	136
690+00.00	69000.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	768	0	0	136
690+50.00	69050.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	768	0	0	136
691+00.00	69100.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	768	0	0	136
691+50.00	69150.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	768	0	0	136
691+77.45	69177.45	27.45	0.00	0.00	0.00	0.00	0	0	0	0	768	0	0	136
692+00.00	69200.00	22.55	0.00	0.00	0.00	0.00	0	0	0	0	768	0	0	136
692+50.00	69250.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	768	0	0	136
693+00.00	69300.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	768	0	0	136
693+50.00	69350.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	768	0	0	136
694+00.00	69400.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	768	0	0	136
694+50.00	69450.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	768	0	0	136
695+00.00	69500.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	768	0	0	136
695+32.74	69532.74	32.74	0.00	0.00	0.00	0.00	0	0	0	0	768	0	0	136
695+50.00	69550.00	17.26	0.00	0.00	0.00	0.00	0	0	0	0	768	0	0	136
696+00.00	69600.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	768	0	0	136
696+50.00	69650.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	768	0	0	136
697+00.00	69700.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	768	0	0	136
697+50.00	69750.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	768	0	0	136
698+00.00	69800.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	768	0	0	136
698+26.77	69826.77	26.77	0.00	0.00	0.00	0.00	0	0	0	0	768	0	0	136
698+50.00	69850.00	23.23	0.00	0.00	0.00	0.00	0	0	0	0	768	0	0	136
699+00.00	69900.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	768	0	0	136
699+50.00	69950.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	768	0	0	136
699+77.30	69977.30	27.30	0.00	0.00	0.00	0.00	0	0	0	0	768	0	0	136
700+00.00	70000.00	22.70	0.00	0.00	0.00	0.00	0	0	0	0	768	0	0	136
700+50.00	70050.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	768	0	0	136

NOTES:	
1 - CUT	CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL
2 - SALVAGED/UNUSABLE PAVEMENT MATERIAL	THIS DOES NOT SHOW UP IN CROSS SECTIONS
3 - FILL	DOES NOT INCLUDE UNUSABLE PAVEMENT EXC VOLUME
4 - MASS ORDINATE	CUT - SALVAGED PAVT - (FILL * FILL FACTOR)

9

9

PROJECT NO: 6145-01-72 | HWY: USH 12 | COUNTY: SAUK | EARTHWORK DATA | SHEET 1082 | E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\SINGLE LET_ALL IDS\090101_EW.DWG
LAYOUT NAME - 08

PLOT DATE : 6/29/2025 8:53 PM PLOT BY : BARRETT, WILL PLOT NAME : PLOT SCALE : 1" = 1'

WISDOT/CADDS SHEET 49

6145-01-74 - STAGE 1

STATION	REAL STATION	DISTANCE	AREA (SF)				INCREMENTAL VOL (CY) (UNADJUSTED)				CUMULATIVE VOL (CY)			
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT	EXPANDED FILL	EXPANDED EBS BACKFILL	MASS ORDINATE
											1.00	1.20	1.00	
							NOTE 1	NOTE 2	NOTE 3		NOTE 1			NOTE 4
700+50.00	70050.00	0.00	129.19	0.00	0.25	0.50	0	0	0	0	0	0	0	0
701+00.00	70100.00	50.00	132.17	26.57	0.31	0.50	242	25	1	1	242	1	1	216
701+50.00	70150.00	50.00	146.14	26.51	0.00	0.50	258	49	0	1	500	1	2	425
702+00.00	70200.00	50.00	167.72	26.53	0.00	0.50	291	49	0	1	791	1	3	667
702+50.00	70250.00	50.00	134.39	26.57	0.00	0.50	280	49	0	1	1,071	1	4	898
703+00.00	70300.00	50.00	110.58	26.61	0.00	0.50	227	49	0	1	1,298	1	5	1,076
703+50.00	70350.00	50.00	112.03	26.64	0.00	0.50	206	49	0	1	1,504	1	6	1,233
704+00.00	70400.00	50.00	97.71	26.56	0.00	0.50	194	49	0	1	1,698	1	7	1,378
704+50.00	70450.00	50.00	99.30	26.76	0.00	0.50	182	49	0	1	1,880	1	8	1,511
705+00.00	70500.00	50.00	79.14	26.68	0.00	0.50	165	49	0	1	2,045	1	9	1,627
705+50.00	70550.00	50.00	72.76	26.66	0.52	0.50	141	49	0	1	2,186	1	10	1,719
706+00.00	70600.00	50.00	61.82	26.62	1.77	0.50	125	49	2	1	2,311	4	11	1,792
706+50.00	70650.00	50.00	53.65	26.58	3.96	0.50	107	49	5	1	2,418	10	12	1,844
707+00.00	70700.00	50.00	44.94	26.26	8.44	0.50	91	49	11	1	2,509	23	13	1,873
707+50.00	70750.00	50.00	43.83	24.94	10.86	0.50	82	47	18	1	2,591	44	14	1,887
708+00.00	70800.00	50.00	47.03	23.71	15.83	0.50	84	45	25	1	2,675	74	15	1,896
708+50.00	70850.00	50.00	45.29	23.25	20.16	0.50	85	43	33	1	2,760	114	16	1,898
709+00.00	70900.00	50.00	49.26	23.33	12.06	0.50	88	43	30	1	2,848	150	17	1,907
709+50.00	70950.00	50.00	55.05	24.21	7.87	0.50	97	44	18	1	2,945	172	18	1,938
710+00.00	71000.00	50.00	67.00	25.56	10.03	0.50	113	46	17	1	3,058	192	19	1,985
710+50.00	71050.00	50.00	47.47	27.51	11.93	0.50	106	49	20	1	3,164	216	20	2,018
711+00.00	71100.00	50.00	60.44	27.84	10.11	0.50	100	51	20	1	3,264	240	21	2,043
711+50.00	71150.00	50.00	80.03	28.55	2.77	0.50	130	52	12	1	3,394	254	22	2,107
712+00.00	71200.00	50.00	72.02	29.14	1.98	0.50	141	53	4	1	3,535	259	23	2,190
712+50.00	71250.00	50.00	72.95	25.91	10.93	0.50	134	51	12	1	3,669	274	24	2,258
713+00.00	71300.00	50.00	67.43	25.74	16.86	0.50	130	48	26	1	3,799	305	25	2,309
713+50.00	71350.00	50.00	70.83	25.62	11.65	0.50	128	48	26	1	3,927	336	26	2,358
714+00.00	71400.00	50.00	70.82	26.18	2.87	0.50	131	48	13	1	4,058	352	27	2,425
714+50.00	71450.00	50.00	211.02	88.51	0.00	0.50	261	106	3	1	4,319	355	28	2,577
714+75.59	71475.59	25.59	234.91	150.70	0.00	0.50	211	113	0	0	4,530	355	28	2,675
715+00.00	71500.00	24.41	196.89	79.05	2.23	0.50	195	104	1	0	4,725	356	28	2,765
715+50.00	71550.00	50.00	99.27	33.94	1.21	0.50	274	105	3	1	4,999	360	29	2,930
715+51.86	71551.86	1.86	96.99	33.74	0.35	0.50	7	2	0	0	5,006	360	29	2,935
716+00.00	71600.00	48.14	101.93	30.83	2.22	0.50	177	58	2	1	5,183	362	30	3,052
716+50.00	71650.00	50.00	96.61	33.55	7.14	0.50	184	60	9	1	5,367	373	31	3,165
717+00.00	71700.00	50.00	95.77	34.32	6.10	0.50	178	63	12	1	5,545	388	32	3,265
717+33.89	71733.89	33.89	107.30	34.12	0.00	0.50	127	43	4	1	5,672	392	33	3,345
717+50.00	71750.00	16.11	106.11	34.18	0.00	0.50	64	20	0	0	5,736	392	33	3,389
718+00.00	71800.00	50.00	93.24	25.47	3.07	0.50	185	55	3	1	5,921	396	34	3,515
718+50.00	71850.00	50.00	98.19	25.58	1.44	0.50	177	47	4	1	6,098	401	35	3,640
719+00.00	71900.00	50.00	100.84	25.51	0.10	0.50	184	47	1	1	6,282	402	36	3,776
719+50.00	71950.00	50.00	104.04	25.54	0.02	0.50	190	47	0	1	6,472	402	37	3,919
720+00.00	72000.00	50.00	102.66	25.55	0.00	0.50	191	47	0	1	6,663	402	38	4,063
720+50.00	72050.00	50.00	96.47	25.57	2.87	0.50	184	47	3	1	6,847	406	39	4,196
721+00.00	72100.00	50.00	86.23	25.61	0.00	0.50	169	47	3	1	7,016	409	40	4,315
721+50.00	72150.00	50.00	81.45	27.19	0.00	0.50	155	49	0	1	7,171	409	41	4,421
722+00.00	72200.00	50.00	72.14	29.33	0.12	0.50	142	52	0	1	7,313	409	42	4,511
722+50.00	72250.00	50.00	72.80	33.63	0.04	0.50	134	58	0	1	7,447	409	43	4,587
722+92.24	72292.24	42.24	93.33	34.98	0.00	0.50	130	54	0	1	7,577	409	44	4,663
723+00.00	72300.00	7.76	91.36	34.76	0.00	0.50	27	10	0	0	7,604	409	44	4,680
723+50.00	72350.00	50.00	82.59	25.68	0.00	0.50	161	56	0	1	7,765	409	45	4,785
724+00.00	72400.00	50.00	76.20	25.75	0.00	0.50	147	48	0	1	7,912	409	46	4,884
724+50.00	72450.00	50.00	55.20	25.76	2.24	0.50	122	48	2	1	8,034	412	47	4,955
725+00.00	72500.00	50.00	35.10	25.96	11.87	0.50	84	48	13	1	8,118	427	48	4,976
725+50.00	72550.00	50.00	34.71	25.73	17.35	0.50	65	48	27	1	8,183	460	49	4,960
726+00.00	72600.00	50.00	34.20	25.74	18.89	0.50	64	48	34	1	8,247	500	50	4,936
726+50.00	72650.00	50.00	32.84	25.61	19.04	0.50	62	48	35	1	8,309	542	51	4,908
727+00.00	72700.00	50.00	36.47	25.64	16.42	0.50	64	47	33	1	8,373	582	52	4,885
727+50.00	72750.00	50.00	18.08	25.47	19.39	0.50	51	47	33	1	8,424	622	53	4,849
728+00.00	72800.00	50.00	20.77	25.86	26.80	0.50	36	48	43	1	8,460	673	54	4,786
728+50.00	72850.00	50.00	80.98	25.71	15.61	0.50	94	48	39	1	8,554	720	55	4,785
729+00.00	72900.00	50.00	54.30	25.60	13.27	0.50	125	48	27	1	8,679	752	56	4,830
729+50.00	72950.00	50.00	50.88	25.53	13.08	0.50	97	47	24	1	8,776	781	57	4,851
730+00.00	73000.00	50.00	45.93	25.50	12.54	0.50	90	47	24	1	8,866	810	58	4,865
730+50.00	73050.00	50.00	39.76	25.38	11.65	0.50	79	47	22	1	8,945	836	59	4,871

6145-01-74 - STAGE 1

STATION	REAL STATION	DISTANCE	AREA (SF)				INCREMENTAL VOL (CY) (UNADJUSTED)				CUMULATIVE VOL (CY)			
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT	EXPANDED FILL	EXPANDED EBS BACKFILL	MASS ORDINATE
											1.00	1.20	1.00	
							NOTE 1	NOTE 2	NOTE 3		NOTE 1			NOTE 4
731+00.00	73100.00	50.00	35.49	25.38	8.51	0.50	70	47	19	1	9,015	859	60	4,871
731+50.00	73150.00	50.00	35.14	25.51	7.14	0.50	65	47	14	1	9,080	876	61	4,872
732+00.00	73200.00	50.00	34.18	25.42	7.56	0.50	64	47	14	1	9,144	893	62	4,872
732+50.00	73250.00	50.00	36.05	25.47	6.35	0.50	65	47	13	1	9,209	908	63	4,875
733+00.00	73300.00	50.00	86.99	38.62	0.00	0.50	114	59	6	1	9,323	916	64	4,922
733+13.09	73313.09	13.09	85.57	38.54	0.00	0.50	42	19	0	0	9,365	916	64	4,945
733+50.00	73350.00	36.91	70.88	31.95	0.00	0.50	107	48	0	1	9,472	916	65	5,004
734+00.00	73400.00	50.00	54.49	25.65	1.39	0.50	116	53	1	1	9,588	917	66	5,066
734+50.00	73450.00	50.00	59.41	25.50	3.78	0.50	105	47	5	1	9,693	923	67	5,118
735+00.00	73500.00	50.00	57.51	25.35	12.44	0.50	108	47	15	1	9,801	941	68	5,161
735+50.00	73550.00	50.00	66.60	27.27	5.12	0.50	115	49	16	1	9,916	960	69	5,208
736+00.00	73600.00	50.00	87.61	32.66	2.76	0.50	143	55	7	1	10,059	968	70	5,288
736+50.00	73650.00	50.00	107.36	36.48	0.00	0.50	181	64	3	1	10,240	972	71	5,401
737+00.00	73700.00	50.00	135.71	37.97	0.00	0.50	225	69	0	1	10,465	972	72	5,557
737+50.00	73750.00	50.00	139.24	43.50	0.00	0.50	255	75	0	1	10,720	972	73	5,737
738+00.00	73800.00	50.00	118.33	46.24	0.00	0.50	238	83	0	1	10,958	972	74	5,892
738+50.00	73850.00	50.00	132.16	47.98	0.00	0.50	232	87	0	1	11,190	972	75	6,037
739+00.00	73900.00	50.00	86.80	43.01	0.91	0.50	203	84	1	1	11,393	973	76	6,155
739+50.00	73950.00	50.00	83.95	42.99	0.00	0.50	158	80	1	1	11,551	974	77	6,232
740+00.00	74000.00	50.00	80.85	43.12	0.00	0.50	153	80	0	1	11,704	974	78	6,305
740+50.00	74050.00	50.00	75.41	25.46	0.00	0.50	145	63	0	1	11,849	974	79	6,387
741+00.00	74100.00	50.00	84.75	33.68	0.00	0.50	148	55	0	1	11,997	974	80	6,480

NOTES:	
1 - CUT	CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL
2 - SALVAGED/UNUSABLE PAVEMENT MATERIAL	THIS DOES NOT SHOW UP IN CROSS SECTIONS
3 - FILL	DOES NOT INCLUDE UNUSABLE PAVEMENT EXC VOLUME
4 - MASS ORDINATE	CUT - SALVAGED PAVT - (FILL * FILL FACTOR)

9

9

PROJECT NO: 6145-01-74 | HWY: USH 12 | COUNTY: SAUK | EARTHWORK DATA | SHEET 1083 | E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\SINGLE LET_ALL IDS\090101_EW.DWG
LAYOUT NAME - 09

PLOT DATE : 6/29/2025 8:53 PM PLOT BY : BARRETT, WILL PLOT NAME : PLOT SCALE : 1" = 1'

WISDOT/CADDS SHEET 49

6145 -01-74 - STAGE 2

STATION	REAL STATION	DISTANCE	AREA (SF)				INCREMENTAL VOL (CY) (UNADJUSTED)				CUMULATIVE VOL (CY)			
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT 1.00	EXPANDED FILL 1.20	EXPANDED EBS BACKFILL 1.00	MASS ORDINATE
							NOTE 1	NOTE 2	NOTE 3		NOTE 1			NOTE 4
700+50.00	70050.00	0.00	78.93	0.00	0.00	0.50	0	0	0	0	0	0	0	0
701+00.00	70100.00	50.00	80.39	21.91	0.15	0.50	148	20	0	1	148	0	1	128
701+50.00	70150.00	50.00	86.15	21.95	0.05	0.50	154	41	0	1	302	0	2	241
702+00.00	70200.00	50.00	99.75	21.88	0.00	0.50	172	41	0	1	474	0	3	372
702+50.00	70250.00	50.00	105.58	21.82	0.07	0.50	190	40	0	1	664	0	4	522
703+00.00	70300.00	50.00	109.37	21.77	0.48	0.50	199	40	1	1	863	1	5	680
703+50.00	70350.00	50.00	156.86	21.74	0.00	0.50	247	40	0	1	1,110	1	6	887
704+00.00	70400.00	50.00	96.44	21.80	0.00	0.50	235	40	0	1	1,345	1	7	1,082
704+50.00	70450.00	50.00	85.55	21.85	0.00	0.50	169	40	0	1	1,514	1	8	1,211
705+00.00	70500.00	50.00	76.85	21.83	0.00	0.50	150	40	0	1	1,664	1	9	1,321
705+50.00	70550.00	50.00	88.22	22.07	0.18	0.50	153	41	0	1	1,817	1	10	1,433
706+00.00	70600.00	50.00	82.40	22.72	0.59	0.50	158	41	1	1	1,975	2	11	1,549
706+50.00	70650.00	50.00	80.63	23.78	1.07	0.50	151	43	2	1	2,126	5	12	1,654
707+00.00	70700.00	50.00	78.90	25.61	1.08	0.50	148	46	2	1	2,274	7	13	1,754
707+50.00	70750.00	50.00	79.23	28.13	0.80	0.50	146	50	2	1	2,420	10	14	1,847
708+00.00	70800.00	50.00	71.73	30.98	1.54	0.50	140	55	2	1	2,560	12	15	1,930
708+50.00	70850.00	50.00	62.36	34.87	5.36	0.50	124	61	6	1	2,684	19	16	1,986
709+00.00	70900.00	50.00	59.90	37.36	6.73	0.50	113	67	11	1	2,797	32	17	2,019
709+50.00	70950.00	50.00	57.71	39.27	7.94	0.50	109	71	14	1	2,906	49	18	2,040
710+00.00	71000.00	50.00	55.82	40.87	10.65	0.50	105	74	17	1	3,011	70	19	2,050
710+50.00	71050.00	50.00	52.87	42.55	11.47	0.50	101	77	20	1	3,112	94	20	2,050
711+00.00	71100.00	50.00	53.90	43.39	8.44	0.50	99	80	18	1	3,211	115	21	2,048
711+50.00	71150.00	50.00	53.96	41.43	3.11	0.50	100	79	11	1	3,311	128	22	2,056
712+00.00	71200.00	50.00	45.99	37.16	4.52	0.50	93	73	7	1	3,404	137	23	2,067
712+50.00	71250.00	50.00	56.10	27.05	0.67	0.50	95	59	5	1	3,499	143	24	2,097
713+00.00	71300.00	50.00	67.23	26.73	0.75	0.50	114	50	1	1	3,613	144	25	2,160
713+50.00	71350.00	50.00	72.17	26.19	0.81	0.50	129	49	1	1	3,742	145	26	2,239
714+00.00	71400.00	50.00	72.57	26.02	1.02	0.50	134	48	2	1	3,876	148	27	2,322
714+50.00	71450.00	50.00	65.77	39.53	0.81	0.50	128	61	2	1	4,004	150	28	2,387
714+75.59	71475.59	25.59	92.52	40.01	0.00	0.50	75	38	0	0	4,079	150	28	2,424
715+00.00	71500.00	24.41	70.04	40.98	0.71	0.50	73	37	0	0	4,152	150	28	2,460
715+50.00	71550.00	50.00	83.06	34.46	0.40	0.50	142	70	1	1	4,294	151	29	2,531
715+51.86	71551.86	1.86	81.00	34.45	0.65	0.50	6	2	0	0	4,300	151	29	2,535
716+00.00	71600.00	48.14	86.28	32.99	0.73	0.50	149	60	1	1	4,449	152	30	2,623
716+50.00	71650.00	50.00	96.82	34.26	0.56	0.50	170	62	1	1	4,619	154	31	2,729
717+00.00	71700.00	50.00	98.84	42.59	0.88	0.50	181	71	1	1	4,800	155	32	2,838
717+33.89	71733.89	33.89	134.62	50.45	0.00	0.50	147	58	1	1	4,947	156	33	2,926
717+50.00	71750.00	16.11	91.11	50.34	0.33	0.50	67	30	0	0	5,014	156	33	2,963
718+00.00	71800.00	50.00	90.81	50.11	0.72	0.50	168	93	1	1	5,182	157	34	3,037
718+50.00	71850.00	50.00	93.91	34.57	0.79	0.50	171	78	1	1	5,353	158	35	3,129
719+00.00	71900.00	50.00	85.79	28.67	1.57	0.50	166	59	2	1	5,519	161	36	3,233
719+50.00	71950.00	50.00	68.75	25.41	1.85	0.50	143	50	3	1	5,662	164	37	3,323
720+00.00	72000.00	50.00	54.02	25.54	1.78	0.50	114	47	3	1	5,776	168	38	3,386
720+50.00	72050.00	50.00	44.81	25.56	1.60	0.50	92	47	3	1	5,868	172	39	3,427
721+00.00	72100.00	50.00	40.58	25.61	1.98	0.50	79	47	3	1	5,947	175	40	3,456
721+50.00	72150.00	50.00	45.02	25.76	1.26	0.50	79	48	3	1	6,026	179	41	3,483
722+00.00	72200.00	50.00	54.36	25.77	0.70	0.50	92	48	2	1	6,118	181	42	3,525
722+50.00	72250.00	50.00	61.26	25.62	0.00	0.50	107	48	1	1	6,225	182	43	3,583
722+92.24	72292.24	42.24	85.68	38.09	0.00	0.50	115	50	0	1	6,340	182	44	3,648
723+00.00	72300.00	7.76	87.19	38.62	0.00	0.50	25	11	0	0	6,365	182	44	3,662
723+50.00	72350.00	50.00	74.92	32.62	0.00	0.50	150	66	0	1	6,515	182	45	3,746
724+00.00	72400.00	50.00	84.94	29.10	0.00	0.50	148	57	0	1	6,663	182	46	3,837
724+50.00	72450.00	50.00	81.96	25.77	0.57	0.50	155	51	1	1	6,818	184	47	3,939
725+00.00	72500.00	50.00	55.00	25.71	18.94	0.50	127	48	18	1	6,945	205	48	3,997
725+50.00	72550.00	50.00	37.23	25.65	27.57	0.50	85	48	43	1	7,030	257	49	3,982
726+00.00	72600.00	50.00	28.00	25.48	32.29	0.50	60	47	55	1	7,090	323	50	3,929
726+50.00	72650.00	50.00	27.09	25.62	29.34	0.50	51	47	57	1	7,141	391	51	3,865
727+00.00	72700.00	50.00	34.44	25.60	22.30	0.50	57	47	48	1	7,198	449	52	3,817
727+50.00	72750.00	50.00	42.02	25.61	15.80	0.50	71	47	35	1	7,269	491	53	3,799
728+00.00	72800.00	50.00	44.08	25.63	14.45	0.50	80	47	28	1	7,349	524	54	3,799
728+50.00	72850.00	50.00	57.01	25.49	12.05	0.50	94	47	25	1	7,443	554	55	3,816
729+00.00	72900.00	50.00	61.91	25.41	10.69	0.50	110	47	21	1	7,553	580	56	3,853
729+50.00	72950.00	50.00	73.31	25.51	8.63	0.50	125	47	18	1	7,678	601	57	3,910
730+00.00	73000.00	50.00	75.17	25.48	7.67	0.50	137	47	15	1	7,815	619	58	3,982
730+50.00	73050.00	50.00	76.21	25.45	7.67	0.50	140	47	14	1	7,955	636	59	4,058

6145 -01-74 - STAGE 2

STATION	REAL STATION	DISTANCE	AREA (SF)				INCREMENTAL VOL (CY) (UNADJUSTED)				CUMULATIVE VOL (CY)			
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT 1.00	EXPANDED FILL 1.20	EXPANDED EBS BACKFILL 1.00	MASS ORDINATE
							NOTE 1	NOTE 2	NOTE 3		NOTE 1			NOTE 4
731+00.00	73100.00	50.00	64.93	25.48	4.94	0.50	131	47	12	1	8,086	650	60	4,128
731+50.00	73150.00	50.00	69.21	25.17	3.27	0.50	124	47	8	1	8,210	660	61	4,195
732+00.00	73200.00	50.00	67.18	25.25	42.29	0.50	126	47	42	1	8,336	710	62	4,224
732+50.00	73250.00	50.00	312.05	25.59	0.85	0.50	351	47	40	1	8,687	758	63	4,480
733+00.00	73300.00	50.00	257.37	43.23	0.00	0.50	527	64	1	1	9,214	760	64	4,941
733+13.09	73313.09	13.09	214.52	43.33	0.00	0.50	114	21	0	0	9,328	760	64	5,034
733+50.00	73350.00	36.91	90.33	36.35	39.81	0.50	208	54	27	1	9,536	792	65	5,156
734+00.00	73400.00	50.00	114.02	25.61	0.21	0.50	189	57	37	1	9,725	836	66	5,244
734+50.00	73450.00	50.00	121.51	25.50	0.24	0.50	218	47	0	1	9,943	836	67	5,415
735+00.00	73500.00	50.00	99.60	25.59	0.04	0.50	205	47	0	1	10,148	836	68	5,573
735+50.00	73550.00	50.00	91.64	25.65	4.05	0.50	177	47	4	1	10,325	841	69	5,698
736+00.00	73600.00	50.00	100.07	32.32	0.00	0.50	178	54	4	1	10,503	846	70	5,817
736+50.00	73650.00	50.00	107.72	36.26	0.00	0.50	192	63	0	1	10,695	846	71	5,946
737+00.00	73700.00	50.00	117.11	35.00	0.00	0.50	208	66	0	1	10,903	846	72	6,088
737+50.00	73750.00	50.00	124.43	36.04	0.00	0.50	224	66	0	1	11,127	846	73	6,246
738+00.00	73800.00	50.00	124.74	42.55	0.00	0.50	231	73	0	1	11,358	846	74	6,404
738+50.00	73850.00	50.00	155.82	45.78	0.32	0.50	260	82	0	1	11,618	846	75	6,582
739+00.00	73900.00	50.00	101.28	41.65	0.00	0.50	238	81	0	1	11,856	846	76	6,739
739+50.00	73950.00	50.00	86.02	38.98	0.00	0.50	173	75	0	1	12,029	846	77	6,837
740+00.00	74000.00	50.00	74.39	38.93	0.00	0.50	149	72	0	1	12,178	846	78	6,914
740+50.00	74050.00	50.00	71.54	17.85	0.63	0.50	135	53	1	1	12,313	847	79	6,995
741+00.00	74100.00	50.00	102.70	31.12	0.40	0.50	161	45	1	1	12,474	848	80	7,110

NOTES:	
1 - CUT	CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL
2 - SALVAGED/UNUSABLE PAVEMENT MATERIAL	THIS DOES NOT SHOW UP IN CROSS SECTIONS
3 - FILL	DOES NOT INCLUDE UNUSABLE PAVEMENT EXC VOLUME
4 - MASS ORDINATE	CUT - SALVAGED PAVT - (FILL * FILL FACTOR)

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PROJECT NO: 6145-01-74 | HWY: USH 12 | COUNTY: SAUK | EARTHWORK DATA | SHEET 1084 | E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\SINGLE LET_ALL IDS\090101_EW.DWG
LAYOUT NAME - 10

PLOT DATE : 6/29/2025 8:53 PM PLOT BY : BARRETT, WILL PLOT NAME : PLOT SCALE : 1" = 1'

WISDOT/CADDS SHEET 49

6145--01-74 - STAGE 3

STATION	REAL STATION	DISTANCE	AREA (SF)				INCREMENTAL VOL (CY) (UNADJUSTED)				CUMULATIVE VOL (CY)			
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT	EXPANDED FILL	EXPANDED EBS BACKFILL	MASS ORDINATE
							NOTE 1	NOTE 2	NOTE 3		1.00 NOTE 1	1.20	1.00	NOTE 4
700+50.00	70050.00	0.00	32.74	19.25	0.00	0.00	0	0	0	0	0	0	0	0
701+00.00	70100.00	50.00	34.24	19.25	0.00	0.00	62	36	0	0	62	0	0	26
701+50.00	70150.00	50.00	35.45	19.25	0.00	0.00	65	36	0	0	127	0	0	55
702+00.00	70200.00	50.00	36.63	19.25	0.00	0.00	67	36	0	0	194	0	0	86
702+50.00	70250.00	50.00	37.17	19.25	0.00	0.00	68	36	0	0	262	0	0	118
703+00.00	70300.00	50.00	37.63	19.25	0.00	0.00	69	36	0	0	331	0	0	151
703+50.00	70350.00	50.00	38.15	19.25	0.00	0.00	70	36	0	0	401	0	0	185
704+00.00	70400.00	50.00	37.73	19.25	0.00	0.00	70	36	0	0	471	0	0	219
704+50.00	70450.00	50.00	36.73	19.25	0.00	0.00	69	36	0	0	540	0	0	252
705+00.00	70500.00	50.00	34.22	19.25	0.00	0.00	66	36	0	0	606	0	0	282
705+50.00	70550.00	50.00	0.00	0.00	0.00	0.00	32	18	0	0	638	0	0	296
706+00.00	70600.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	638	0	0	296
706+50.00	70650.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	638	0	0	296
707+00.00	70700.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	638	0	0	296
707+50.00	70750.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	638	0	0	296
708+00.00	70800.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	638	0	0	296
708+50.00	70850.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	638	0	0	296
709+00.00	70900.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	638	0	0	296
709+50.00	70950.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	638	0	0	296
710+00.00	71000.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	638	0	0	296
710+50.00	71050.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	638	0	0	296
711+00.00	71100.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	638	0	0	296
711+50.00	71150.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	638	0	0	296
712+00.00	71200.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	638	0	0	296
712+50.00	71250.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	638	0	0	296
713+00.00	71300.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	638	0	0	296
713+50.00	71350.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	638	0	0	296
714+00.00	71400.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	638	0	0	296
714+50.00	71450.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	638	0	0	296
714+75.59	71475.59	25.59	0.00	0.00	0.00	0.00	0	0	0	0	638	0	0	296
715+00.00	71500.00	24.41	34.44	19.54	0.00	0.00	16	9	0	0	654	0	0	303
715+50.00	71550.00	50.00	36.74	19.23	0.00	0.00	66	36	0	0	720	0	0	333
715+51.86	71551.86	1.86	36.12	19.20	0.00	0.00	3	1	0	0	723	0	0	335
716+00.00	71600.00	48.14	34.57	18.05	0.00	0.00	63	33	0	0	786	0	0	365
716+50.00	71650.00	50.00	59.13	26.70	0.00	0.00	87	41	0	0	873	0	0	411
717+00.00	71700.00	50.00	56.62	27.29	0.00	0.00	107	50	0	0	980	0	0	468
717+33.89	71733.89	33.89	0.00	0.00	0.00	0.00	36	17	0	0	1,016	0	0	487
717+50.00	71750.00	16.11	0.00	0.00	0.00	0.00	0	0	0	0	1,016	0	0	487
718+00.00	71800.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	1,016	0	0	487
718+50.00	71850.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	1,016	0	0	487
719+00.00	71900.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	1,016	0	0	487
719+50.00	71950.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	1,016	0	0	487
720+00.00	72000.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	1,016	0	0	487
720+50.00	72050.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	1,016	0	0	487
721+00.00	72100.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	1,016	0	0	487
721+50.00	72150.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	1,016	0	0	487
722+00.00	72200.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	1,016	0	0	487
722+50.00	72250.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	1,016	0	0	487
722+92.24	72292.24	42.24	0.00	0.00	0.00	0.00	0	0	0	0	1,016	0	0	487
723+00.00	72300.00	7.76	0.00	0.00	0.00	0.00	0	0	0	0	1,016	0	0	487
723+50.00	72350.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	1,016	0	0	487
724+00.00	72400.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	1,016	0	0	487
724+50.00	72450.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	1,016	0	0	487
725+00.00	72500.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	1,016	0	0	487
725+50.00	72550.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	1,016	0	0	487
726+00.00	72600.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	1,016	0	0	487
726+50.00	72650.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	1,016	0	0	487
727+00.00	72700.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	1,016	0	0	487
727+50.00	72750.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	1,016	0	0	487
728+00.00	72800.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	1,016	0	0	487
728+50.00	72850.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	1,016	0	0	487
729+00.00	72900.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	1,016	0	0	487
729+50.00	72950.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	1,016	0	0	487
730+00.00	73000.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	1,016	0	0	487
730+50.00	73050.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	1,016	0	0	487

6145--01-74 - STAGE 3

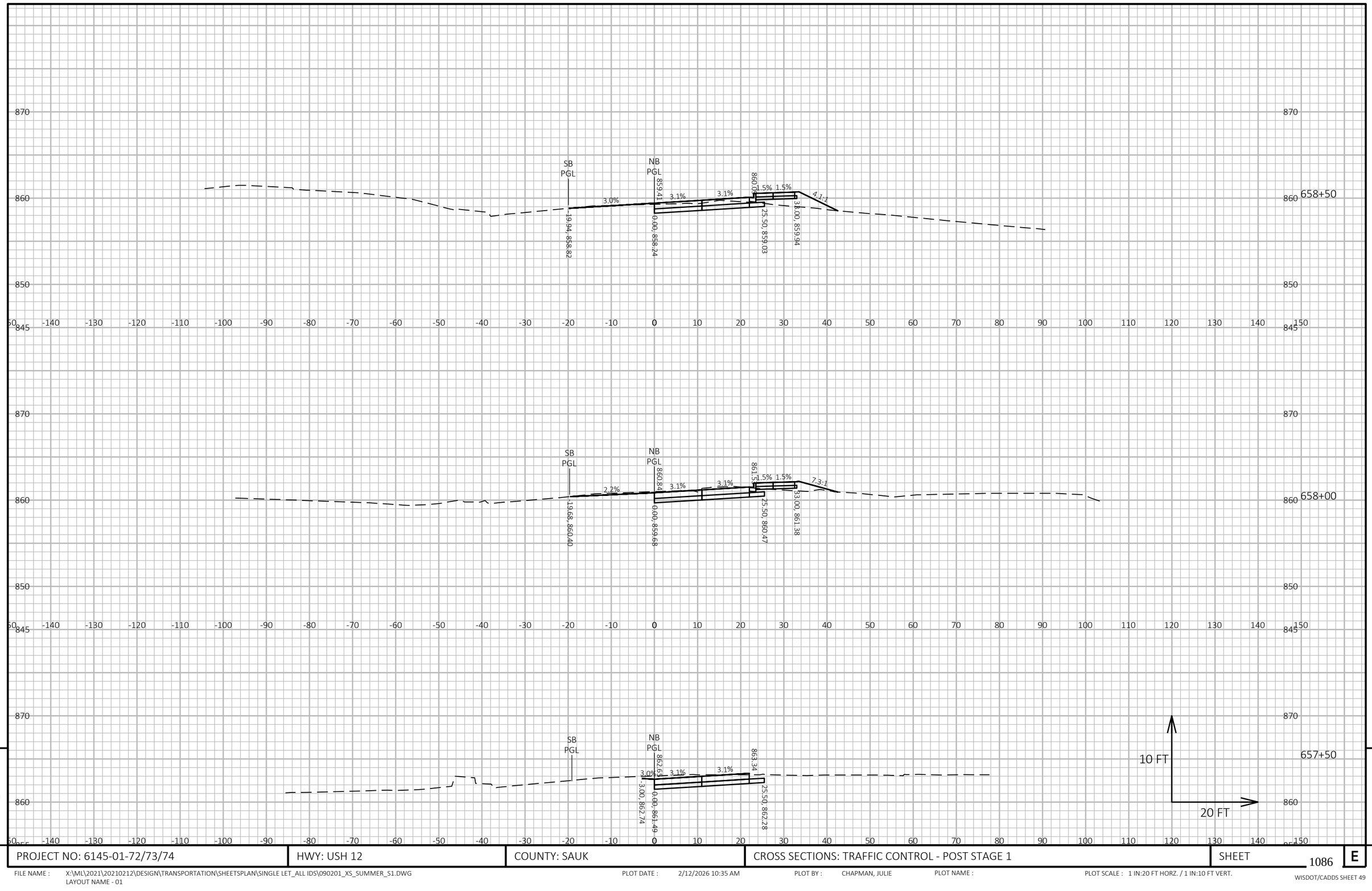
STATION	REAL STATION	DISTANCE	AREA (SF)				INCREMENTAL VOL (CY) (UNADJUSTED)				CUMULATIVE VOL (CY)			
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT	EXPANDED FILL	EXPANDED EBS BACKFILL	MASS ORDINATE
							NOTE 1	NOTE 2	NOTE 3		1.00 NOTE 1	1.20	1.00	NOTE 4
731+00.00	73100.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	1,016	0	0	487
731+50.00	73150.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	1,016	0	0	487
732+00.00	73200.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	1,016	0	0	487
732+50.00	73250.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	1,016	0	0	487
733+00.00	73300.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	1,016	0	0	487
733+13.09	73313.09	13.09	0.00	0.00	0.00	0.00	0	0	0	0	1,016	0	0	487
733+50.00	73350.00	36.91	0.00	0.00	0.00	0.00	0	0	0	0	1,016	0	0	487
734+00.00	73400.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	1,016	0	0	487
734+50.00	73450.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	1,016	0	0	487
735+00.00	73500.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	1,016	0	0	487
735+50.00	73550.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	1,016	0	0	487
736+00.00	73600.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	1,016	0	0	487
736+50.00	73650.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	1,016	0	0	487
737+00.00	73700.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	1,016	0	0	487
737+50.00	73750.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	1,016	0	0	487
738+00.00	73800.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	1,016	0	0	487
738+50.00	73850.00	50.00	36.50	21.57	0.32	0.00	34	20	0	0	1,050	0	0	501
739+00.00	73900.00	50.00	40.74	23.17	0.00	0.00	72	41	0	0	1,122	0	0	532
739+50.00	73950.00	50.00	39.46	23.62	0.00	0.00	74	43	0	0	1,196	0	0	563
740+00.00	74000.00	50.00	37.16	23.62	0.00	0.00	71	44	0	0	1,267	0	0	590
740+50.00	74050.00	50.00	32.58	23.63	0.20	0.00	65	44	0	0	1,332	0	0	611
741+00.00	74100.00	50.00	29.16	23.63	0.12	0.00	57	44	0	0	1,389	0	0	624

NOTES:	
1 - CUT	CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL
2 - SALVAGED/UNUSABLE PAVEMENT MATERIAL	THIS DOES NOT SHOW UP IN CROSS SECTIONS
3 - FILL	DOES NOT INCLUDE UNUSABLE PAVEMENT EXC VOLUME
4 - MASS ORDINATE	CUT - SALVAGED PAVT - (FILL * FILL FACTOR)

9

9

PROJECT NO: 6145-01-74 | HWY: USH 12 | COUNTY: SAUK | EARTHWORK DATA | SHEET 1085 | E



9

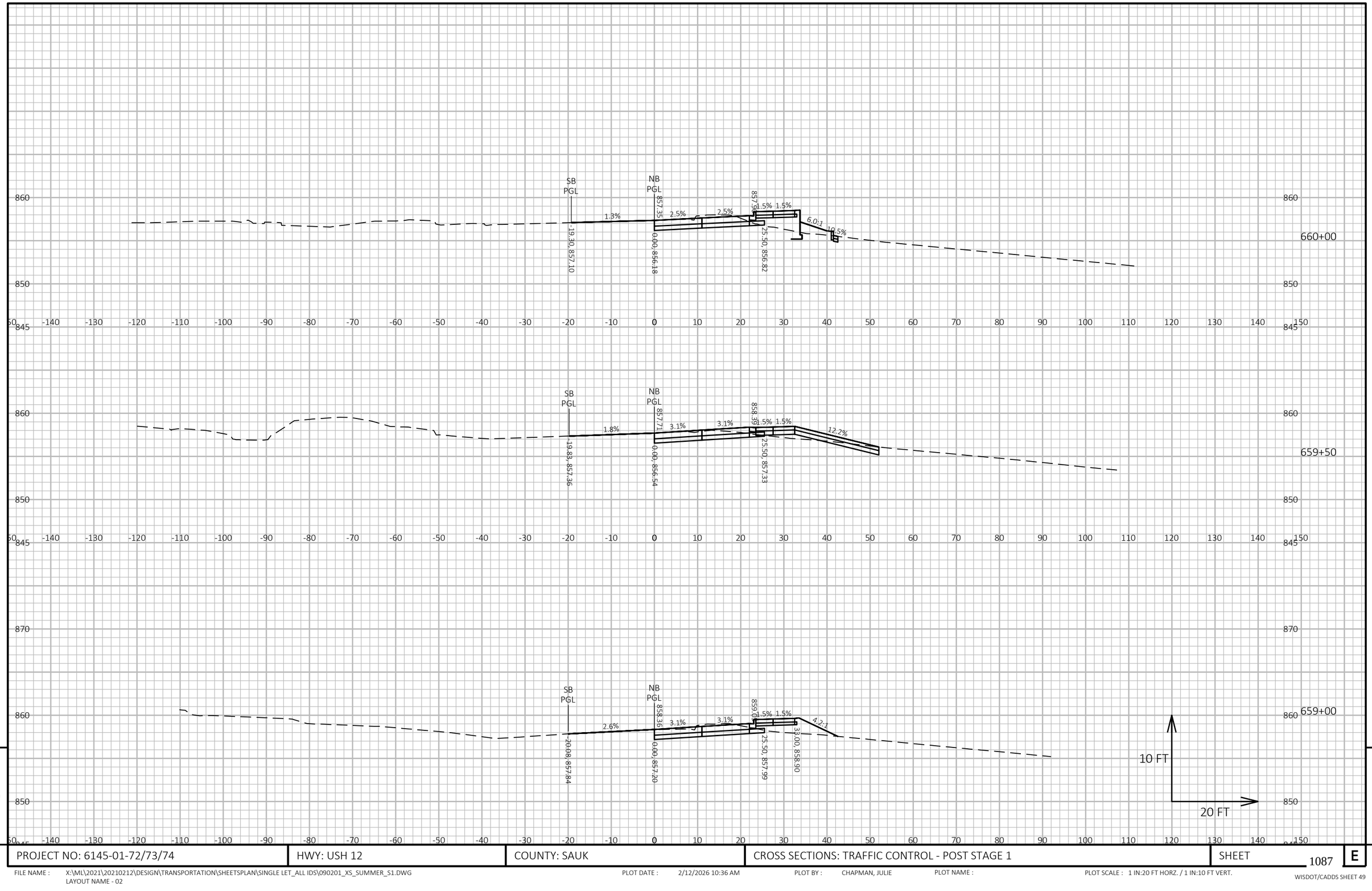
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PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	CROSS SECTIONS: TRAFFIC CONTROL - POST STAGE 1	SHEET 1086	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\SINGLE LET_ALL IDS\090201_XS_SUMMER_S1.DWG
LAYOUT NAME - 01

PLOT DATE : 2/12/2026 10:35 AM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

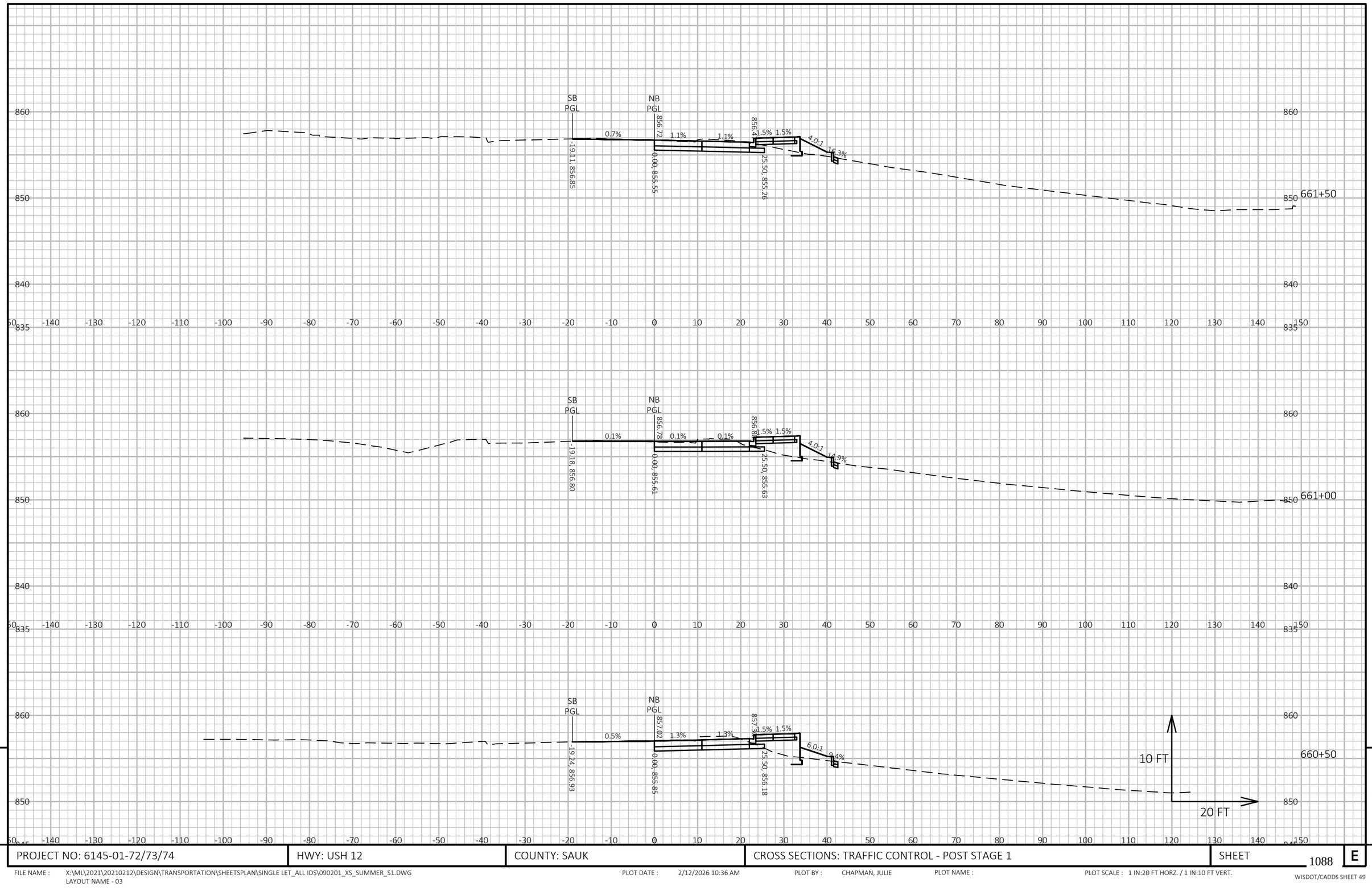
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PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	CROSS SECTIONS: TRAFFIC CONTROL - POST STAGE 1	SHEET 1087	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\SINGLE LET_ALL IDS\090201_XS_SUMMER_S1.DWG
LAYOUT NAME - 02

PLOT DATE : 2/12/2026 10:36 AM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

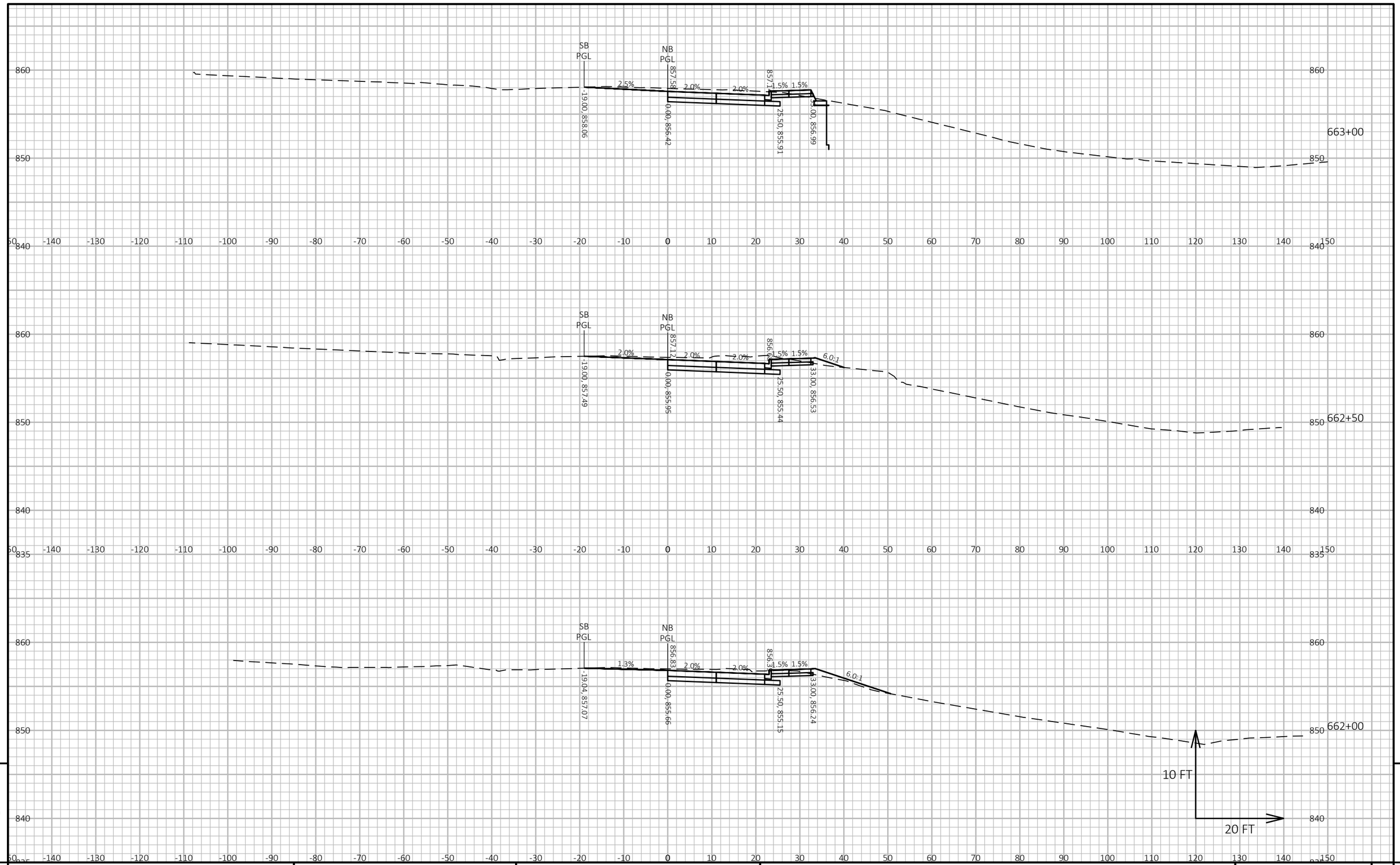
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PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	CROSS SECTIONS: TRAFFIC CONTROL - POST STAGE 1	SHEET 1088	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\SINGLE LET_ALL IDS\090201_XS_SUMMER_S1.DWG
LAYOUT NAME - 03

PLOT DATE : 2/12/2026 10:36 AM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

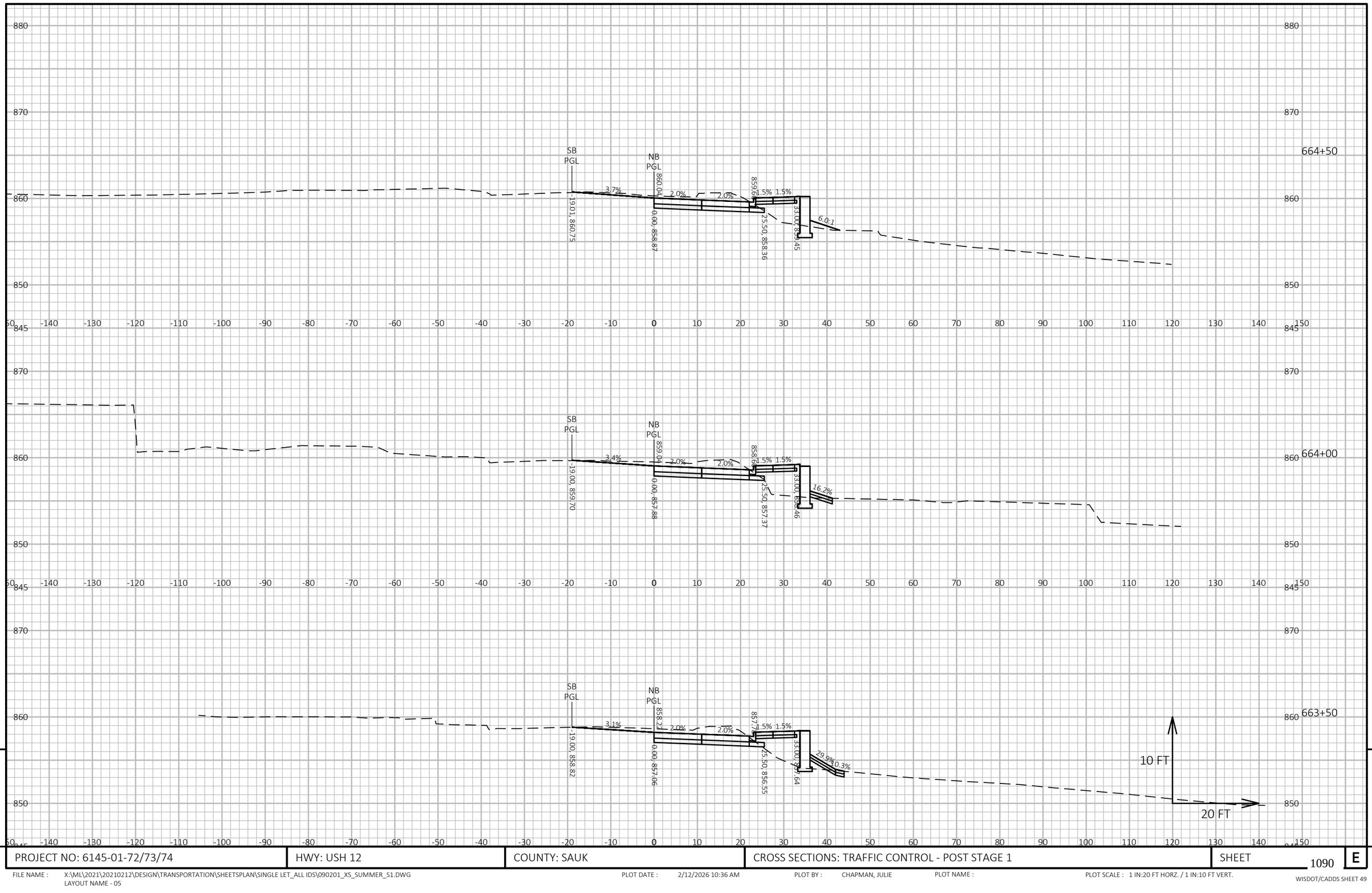
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PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	CROSS SECTIONS: TRAFFIC CONTROL - POST STAGE 1	SHEET 1089	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\SINGLE LET_ALL IDS\090201_XS_SUMMER_S1.DWG
LAYOUT NAME - 04

PLOT DATE : 2/12/2026 10:36 AM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

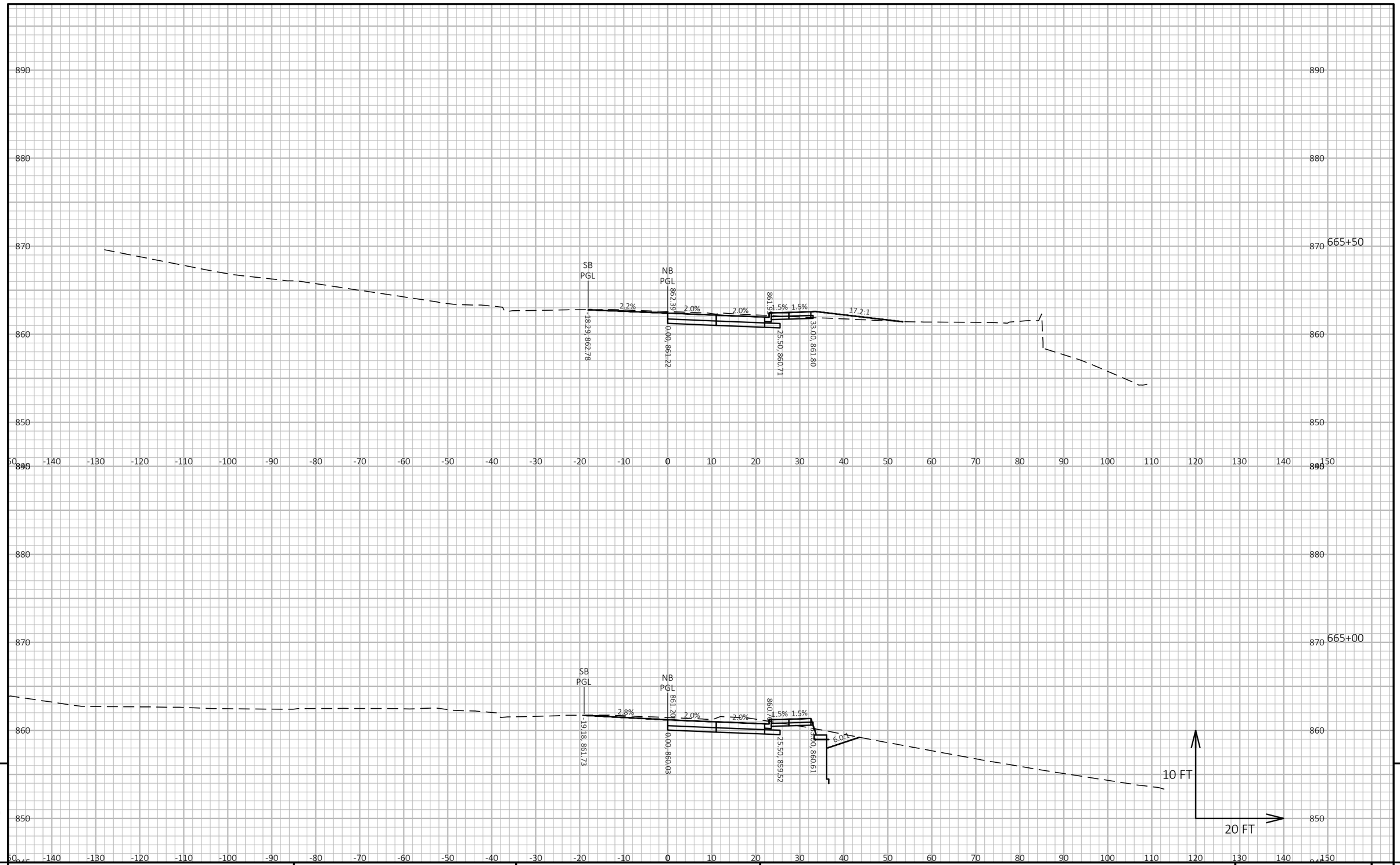
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PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	CROSS SECTIONS: TRAFFIC CONTROL - POST STAGE 1	SHEET 1090	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\SINGLE LET_ALL IDS\090201_XS_SUMMER_S1.DWG
LAYOUT NAME - 05

PLOT DATE : 2/12/2026 10:36 AM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

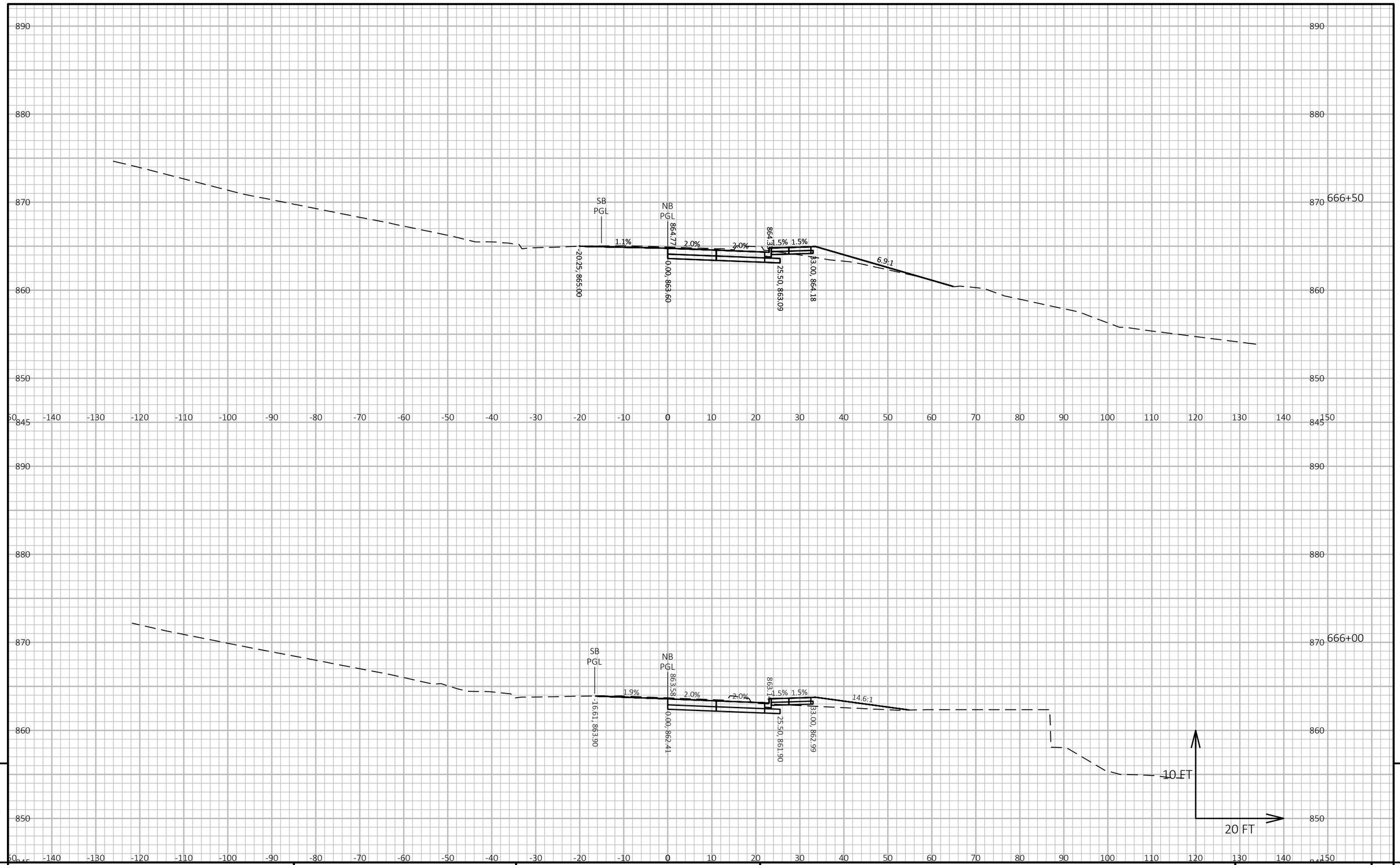


PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	CROSS SECTIONS: TRAFFIC CONTROL - POST STAGE 1	SHEET 1091	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\SINGLE LET_ALL IDS\090201_XS_SUMMER_S1.DWG
LAYOUT NAME - 06

PLOT DATE : 2/12/2026 10:36 AM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

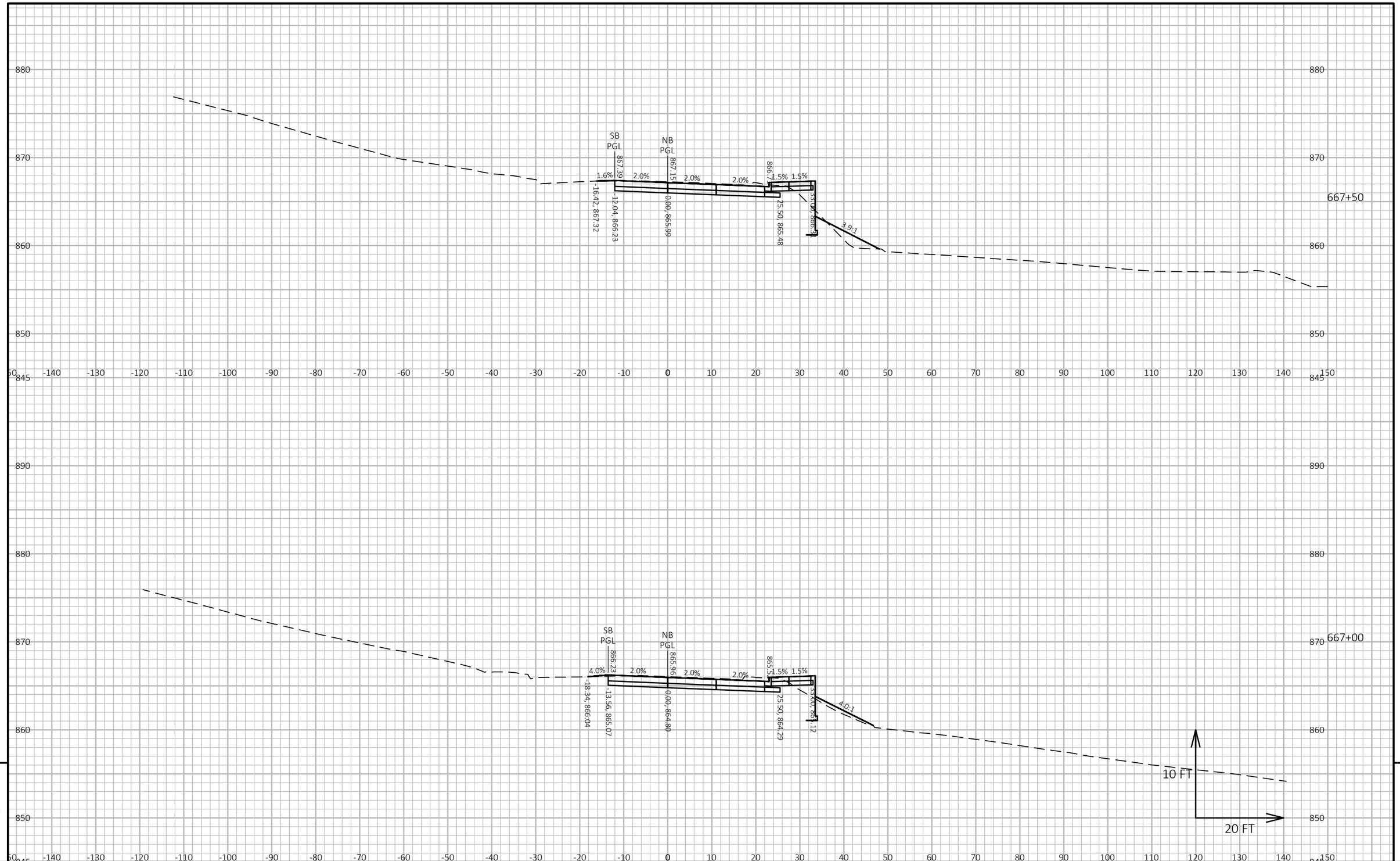


PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	CROSS SECTIONS: TRAFFIC CONTROL - POST STAGE 1	SHEET 1092	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\SINGLE LET_ALL IDS\090201_XS_SUMMER_S1.DWG
LAYOUT NAME - 07

PLOT DATE : 2/12/2026 10:36 AM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



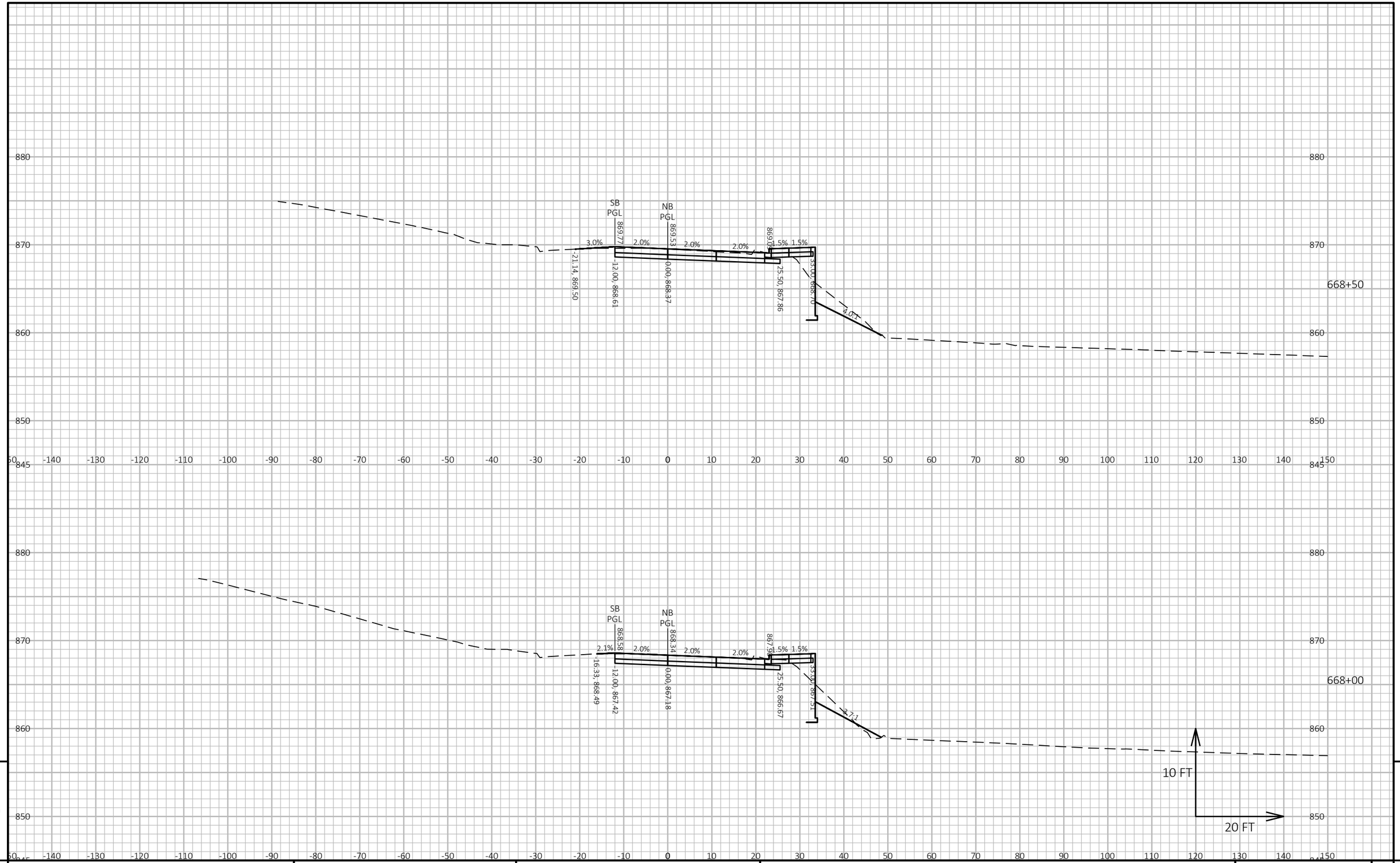
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9

PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	CROSS SECTIONS: TRAFFIC CONTROL - POST STAGE 1	SHEET 1093	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\SINGLE LET_ALL IDS\090201_XS_SUMMER_S1.DWG
LAYOUT NAME - 08

PLOT DATE : 2/12/2026 10:36 AM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.



9

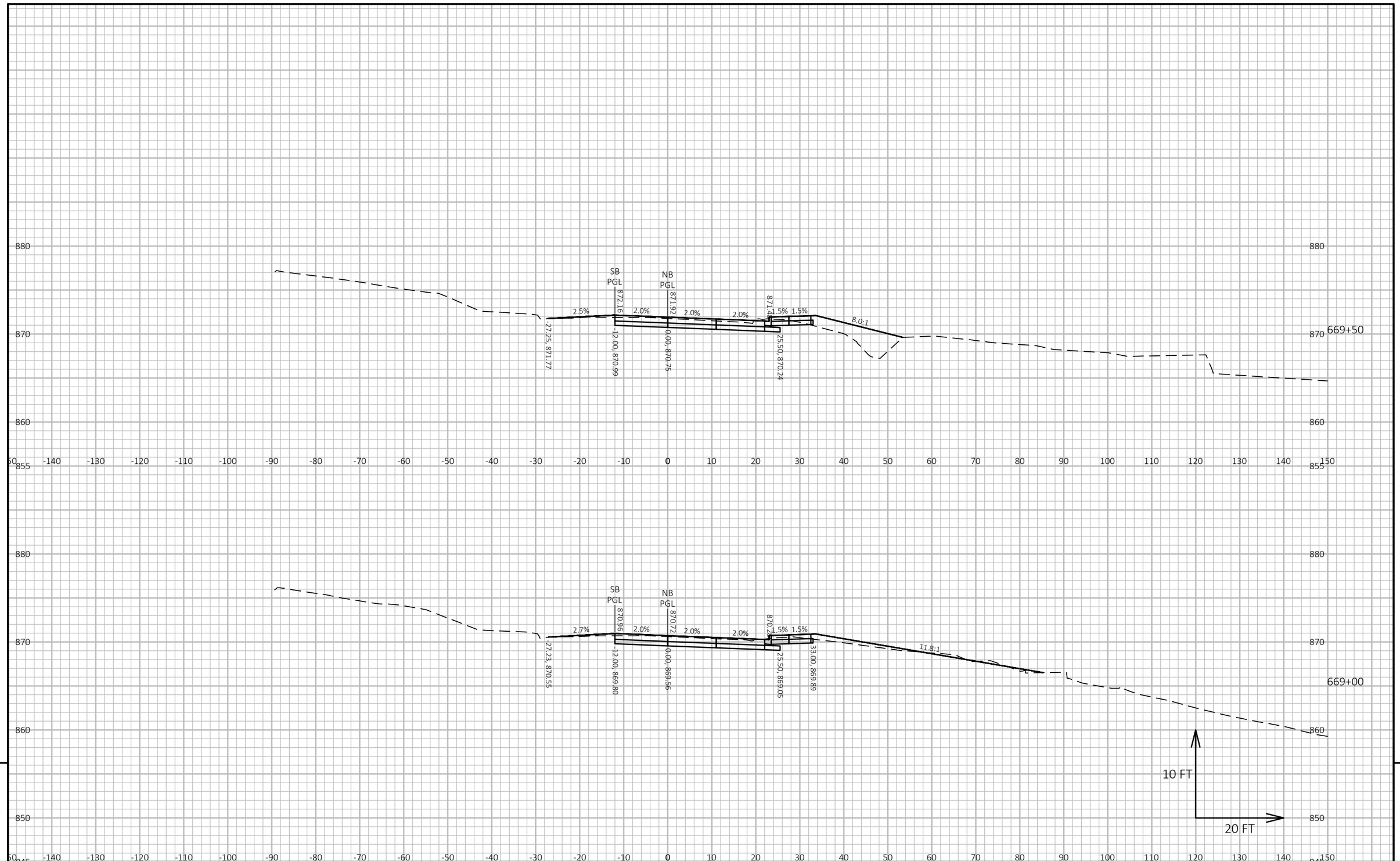
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PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	CROSS SECTIONS: TRAFFIC CONTROL - POST STAGE 1	SHEET 1094	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\SINGLE LET_ALL IDS\090201_XS_SUMMER_S1.DWG
LAYOUT NAME - 09

PLOT DATE : 2/12/2026 10:36 AM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

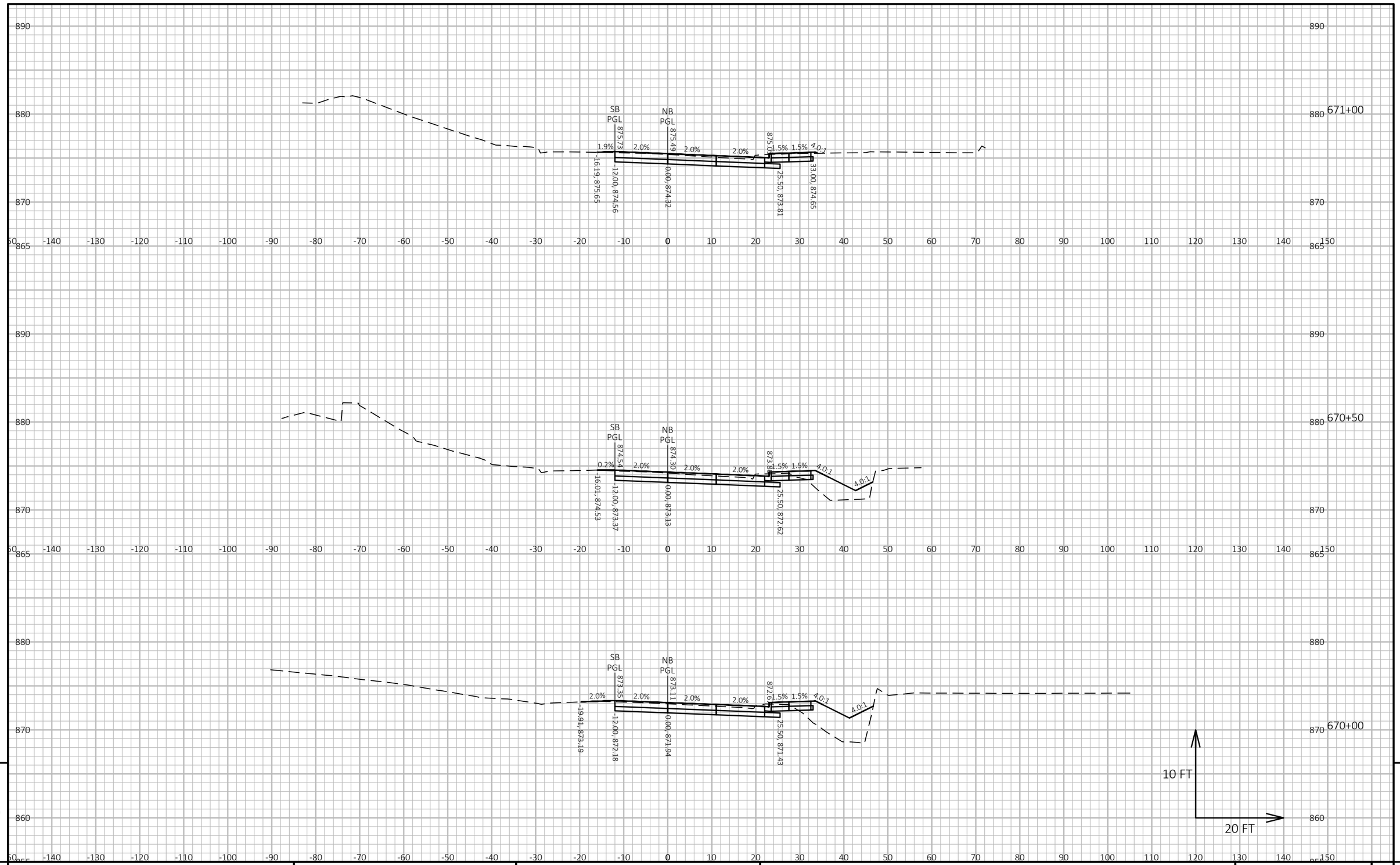
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PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	CROSS SECTIONS: TRAFFIC CONTROL - POST STAGE 1	SHEET 1095	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\SINGLE LET_ALL IDS\090201_XS_SUMMER_S1.DWG
LAYOUT NAME - 10

PLOT DATE : 2/12/2026 10:36 AM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

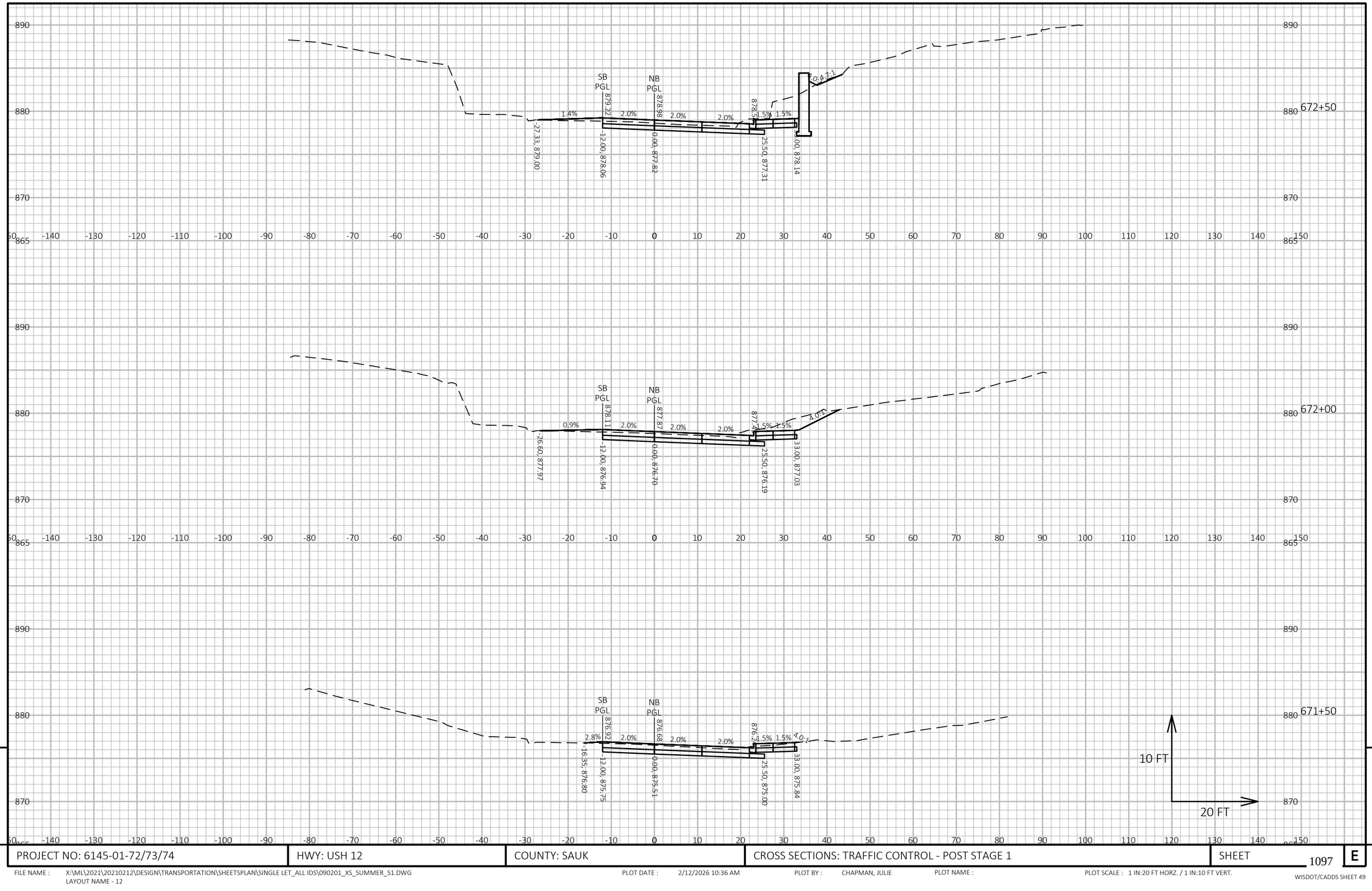
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PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	CROSS SECTIONS: TRAFFIC CONTROL - POST STAGE 1	SHEET 1096	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\SINGLE LET_ALL IDS\090201_XS_SUMMER_S1.DWG
LAYOUT NAME - 11

PLOT DATE : 2/12/2026 10:36 AM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

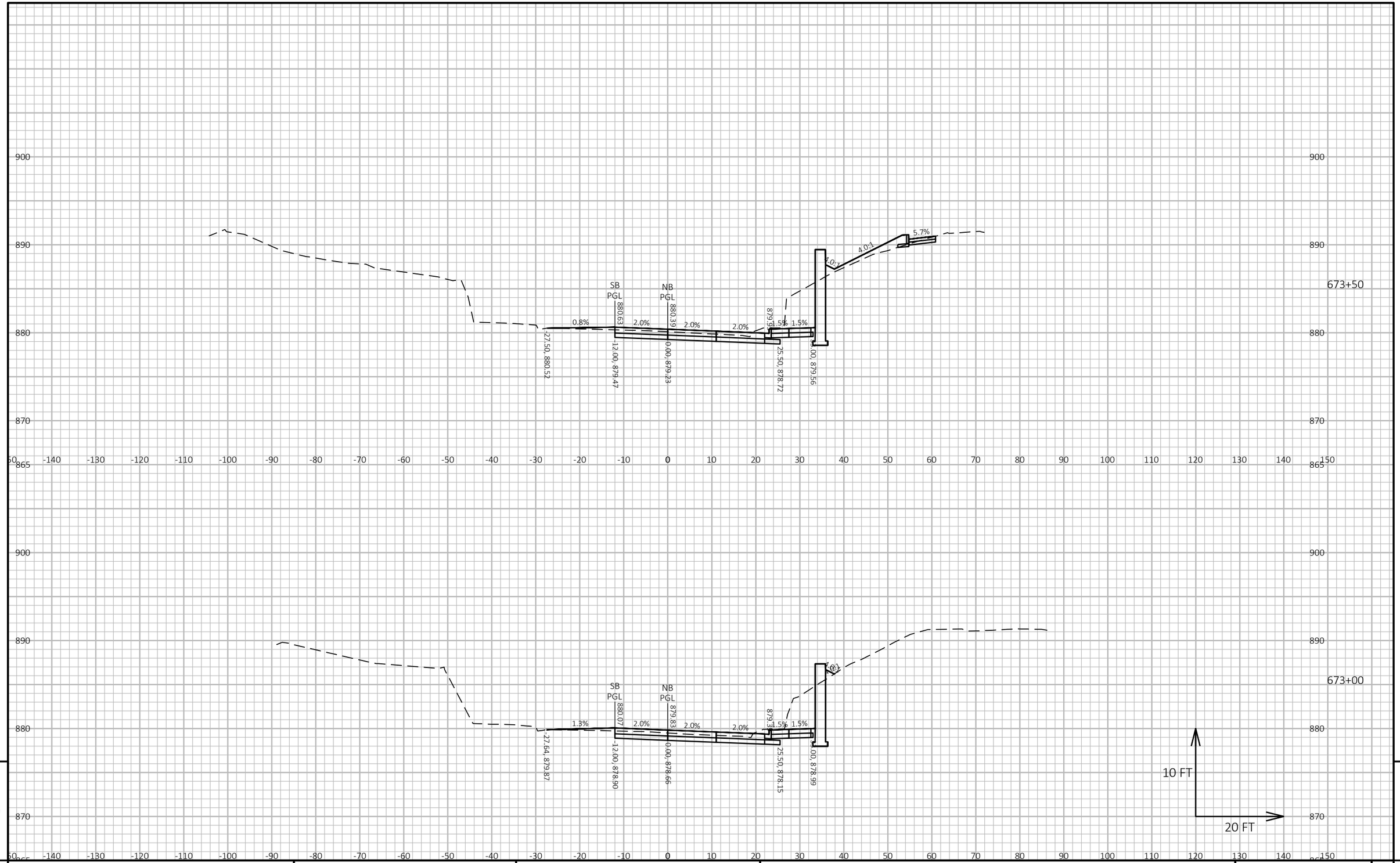
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PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	CROSS SECTIONS: TRAFFIC CONTROL - POST STAGE 1	SHEET 1097	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\SINGLE LET_ALL IDS\090201_XS_SUMMER_S1.DWG
LAYOUT NAME - 12

PLOT DATE : 2/12/2026 10:36 AM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

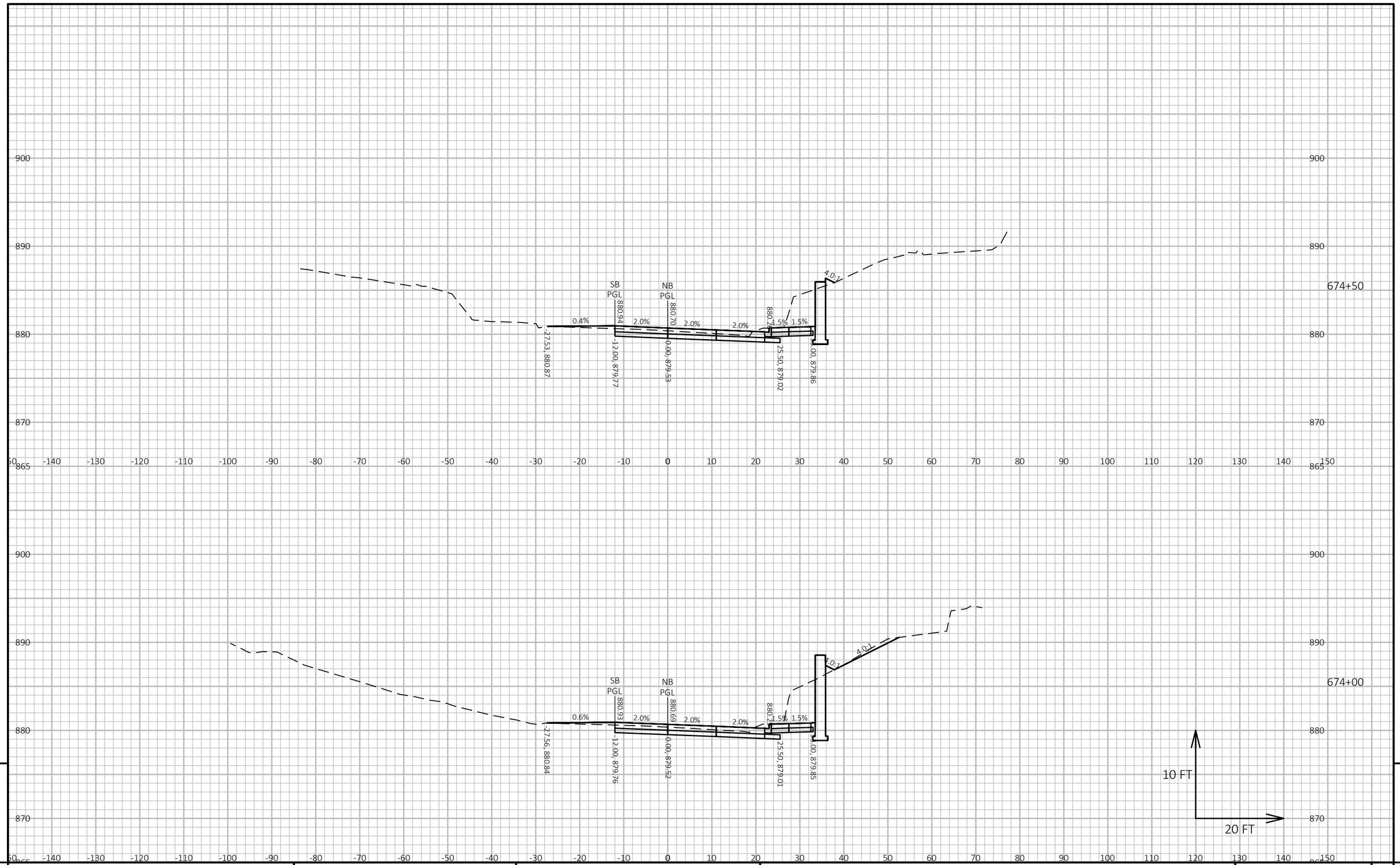


PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	CROSS SECTIONS: TRAFFIC CONTROL - POST STAGE 1	SHEET 1098	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\SINGLE LET_ALL IDS\090201_XS_SUMMER_S1.DWG
LAYOUT NAME - 13

PLOT DATE : 2/12/2026 10:36 AM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

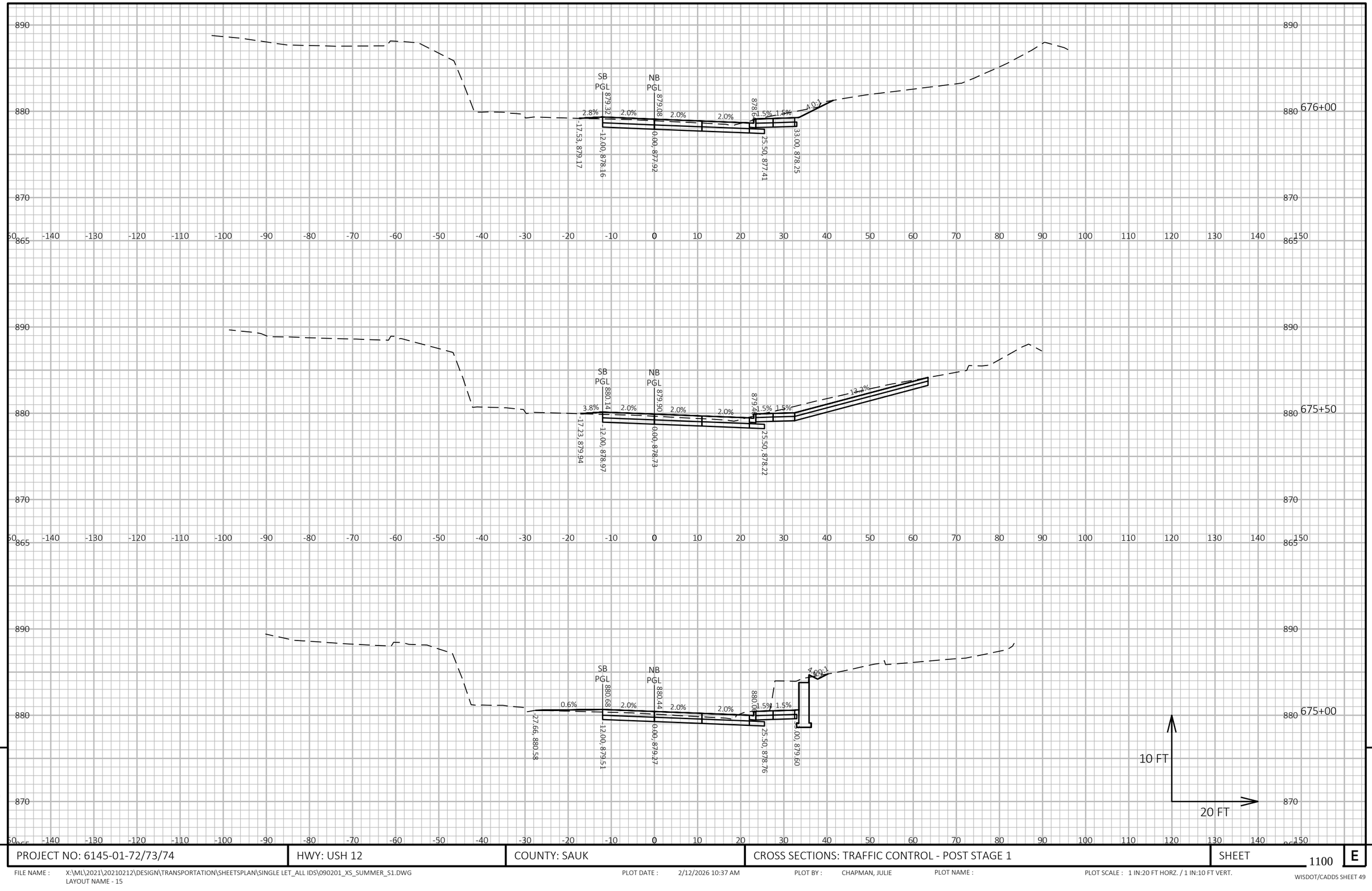
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PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	CROSS SECTIONS: TRAFFIC CONTROL - POST STAGE 1	SHEET 1099	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\SINGLE LET_ALL IDS\090201_XS_SUMMER_S1.DWG
LAYOUT NAME - 14

PLOT DATE : 2/12/2026 10:37 AM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

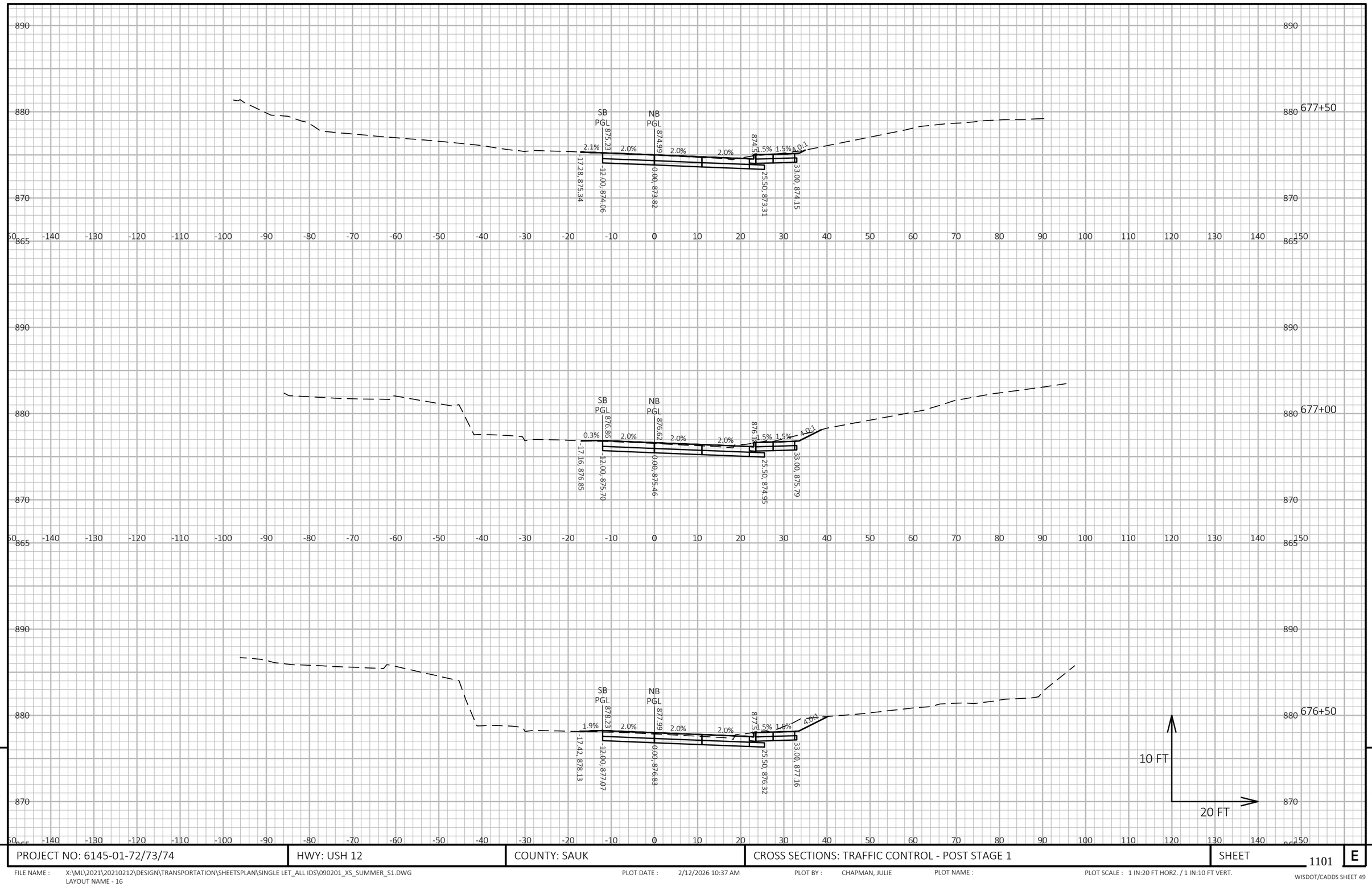
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PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	CROSS SECTIONS: TRAFFIC CONTROL - POST STAGE 1	SHEET 1100	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\SINGLE LET_ALL IDS\090201_XS_SUMMER_S1.DWG
LAYOUT NAME - 15

PLOT DATE : 2/12/2026 10:37 AM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

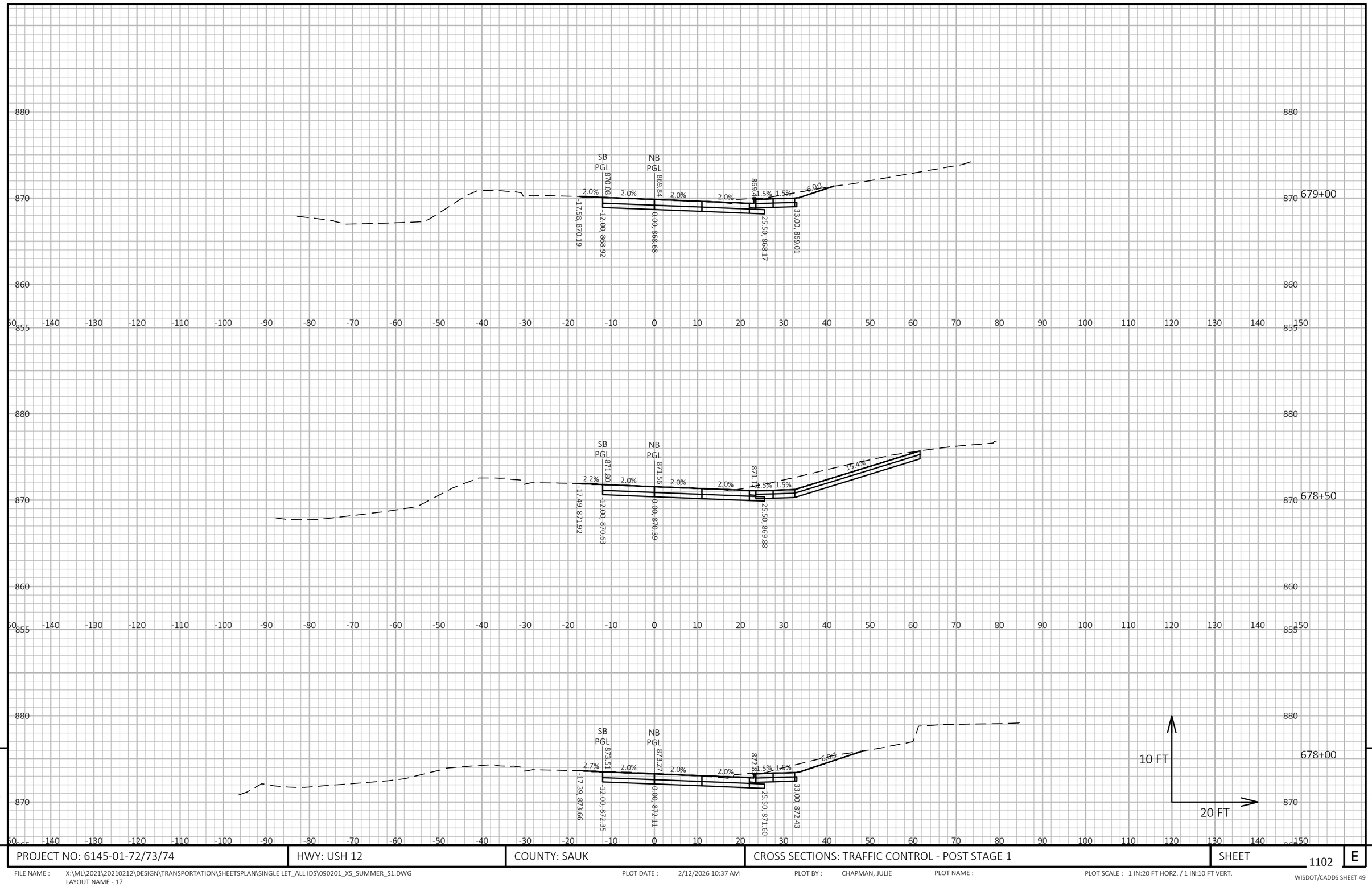
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PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	CROSS SECTIONS: TRAFFIC CONTROL - POST STAGE 1	SHEET 1101	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\SINGLE LET_ALL IDS\090201_XS_SUMMER_S1.DWG
LAYOUT NAME - 16

PLOT DATE : 2/12/2026 10:37 AM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

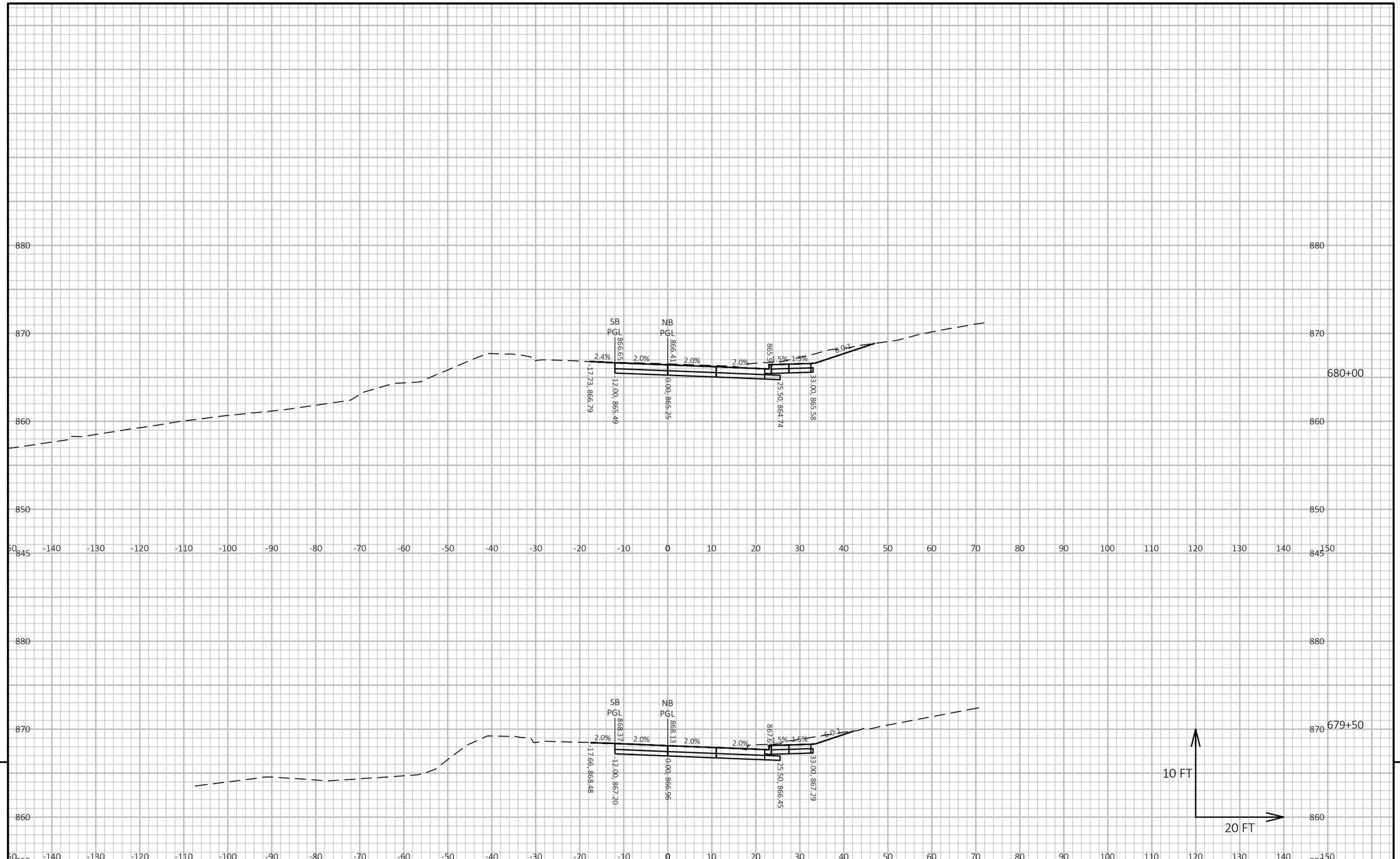
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PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	CROSS SECTIONS: TRAFFIC CONTROL - POST STAGE 1	SHEET 1102	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\SINGLE LET_ALL IDS\090201_XS_SUMMER_S1.DWG
LAYOUT NAME - 17

PLOT DATE : 2/12/2026 10:37 AM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

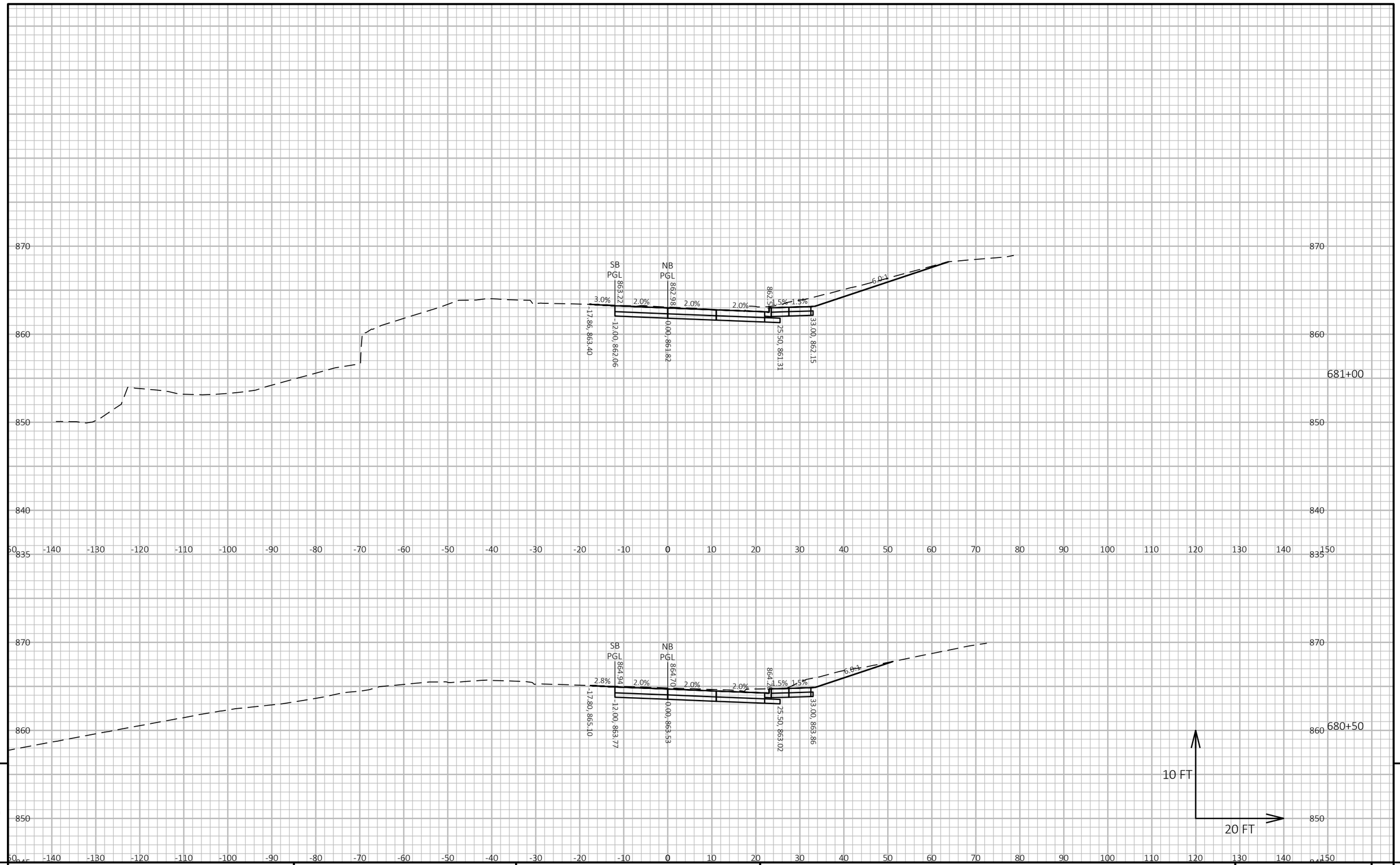
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PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	CROSS SECTIONS: TRAFFIC CONTROL - POST STAGE 1	SHEET 1103	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\SINGLE LET_ALL IDS\090201_XS_SUMMER_S1.DWG
LAYOUT NAME - 18

PLOT DATE : 2/12/2026 10:37 AM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

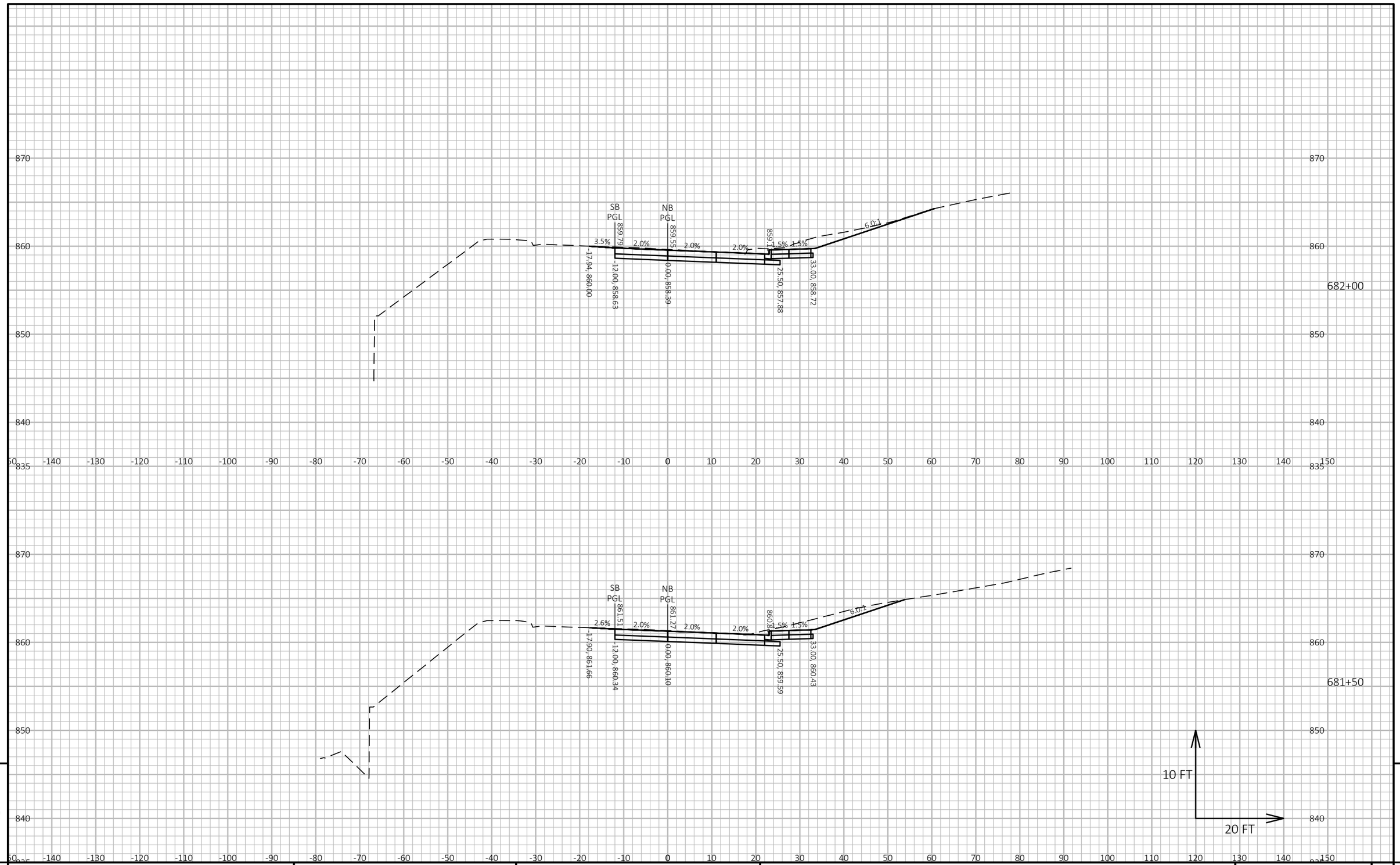
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PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	CROSS SECTIONS: TRAFFIC CONTROL - POST STAGE 1	SHEET 1104	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\SINGLE LET_ALL IDS\090201_XS_SUMMER_S1.DWG
LAYOUT NAME - 19

PLOT DATE : 2/12/2026 10:37 AM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	CROSS SECTIONS: TRAFFIC CONTROL - POST STAGE 1	SHEET 1105	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\SINGLE LET_ALL IDS\090201_XS_SUMMER_S1.DWG
LAYOUT NAME - 20

PLOT DATE : 2/12/2026 10:37 AM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

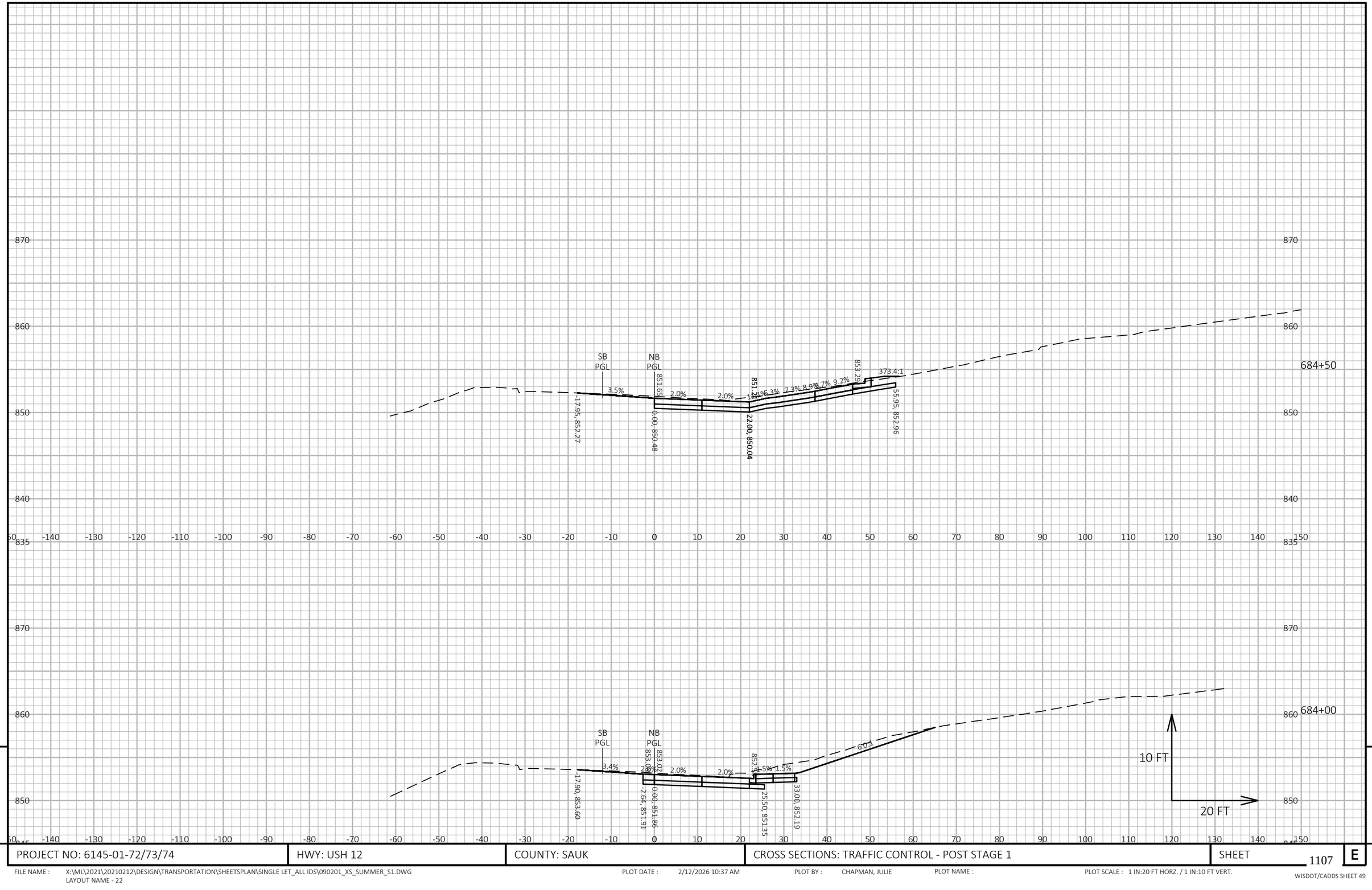
WISDOT/CADDS SHEET 49

PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	CROSS SECTIONS: TRAFFIC CONTROL - POST STAGE 1	SHEET 1106 E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\SINGLE LET_ALL IDS\090201_XS_SUMMER_S1.DWG
LAYOUT NAME - 21

PLOT DATE : 2/12/2026 10:37 AM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

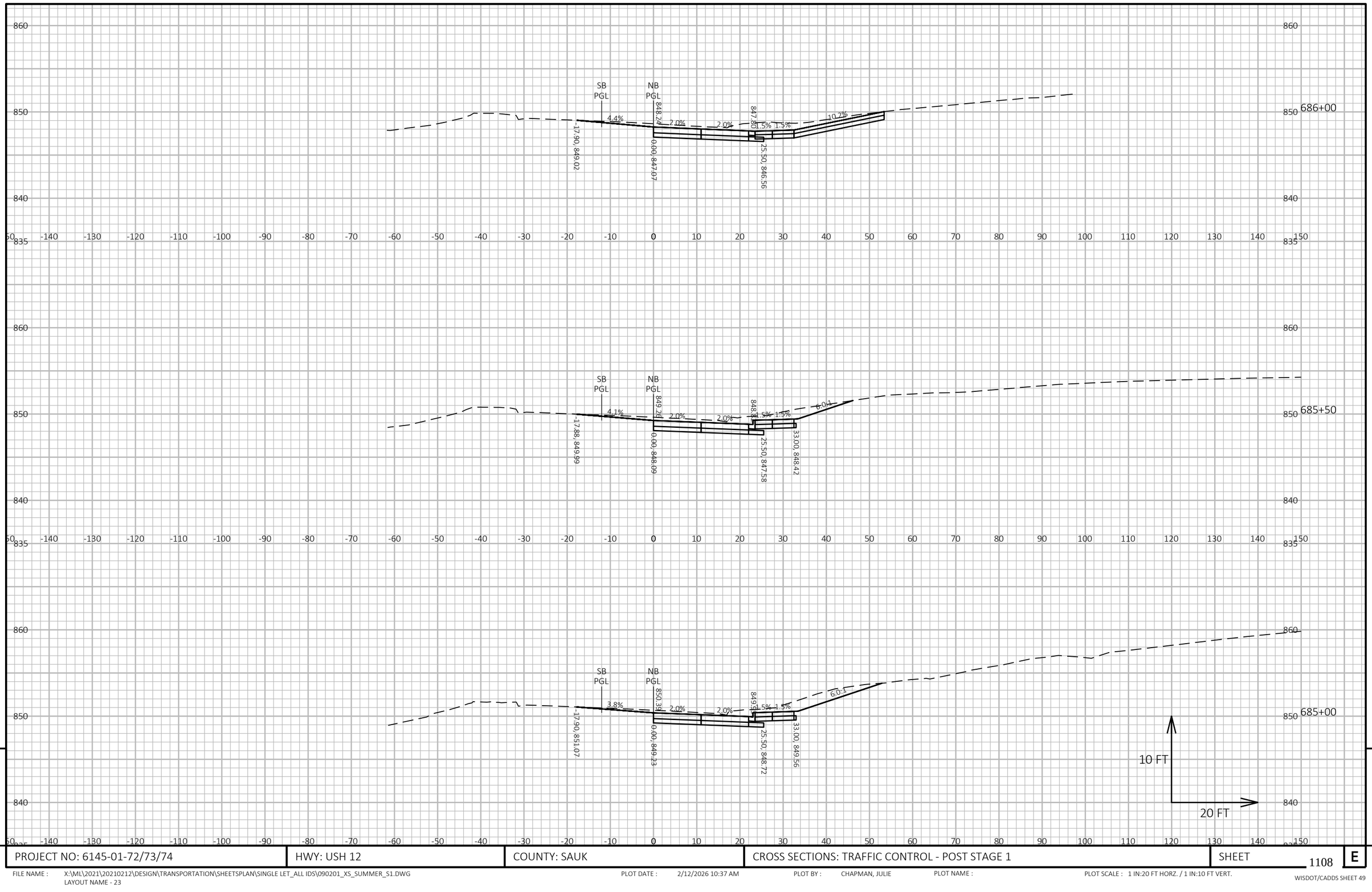


PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	CROSS SECTIONS: TRAFFIC CONTROL - POST STAGE 1	SHEET 1107	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\SINGLE LET_ALL IDS\090201_XS_SUMMER_S1.DWG
LAYOUT NAME - 22

PLOT DATE : 2/12/2026 10:37 AM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

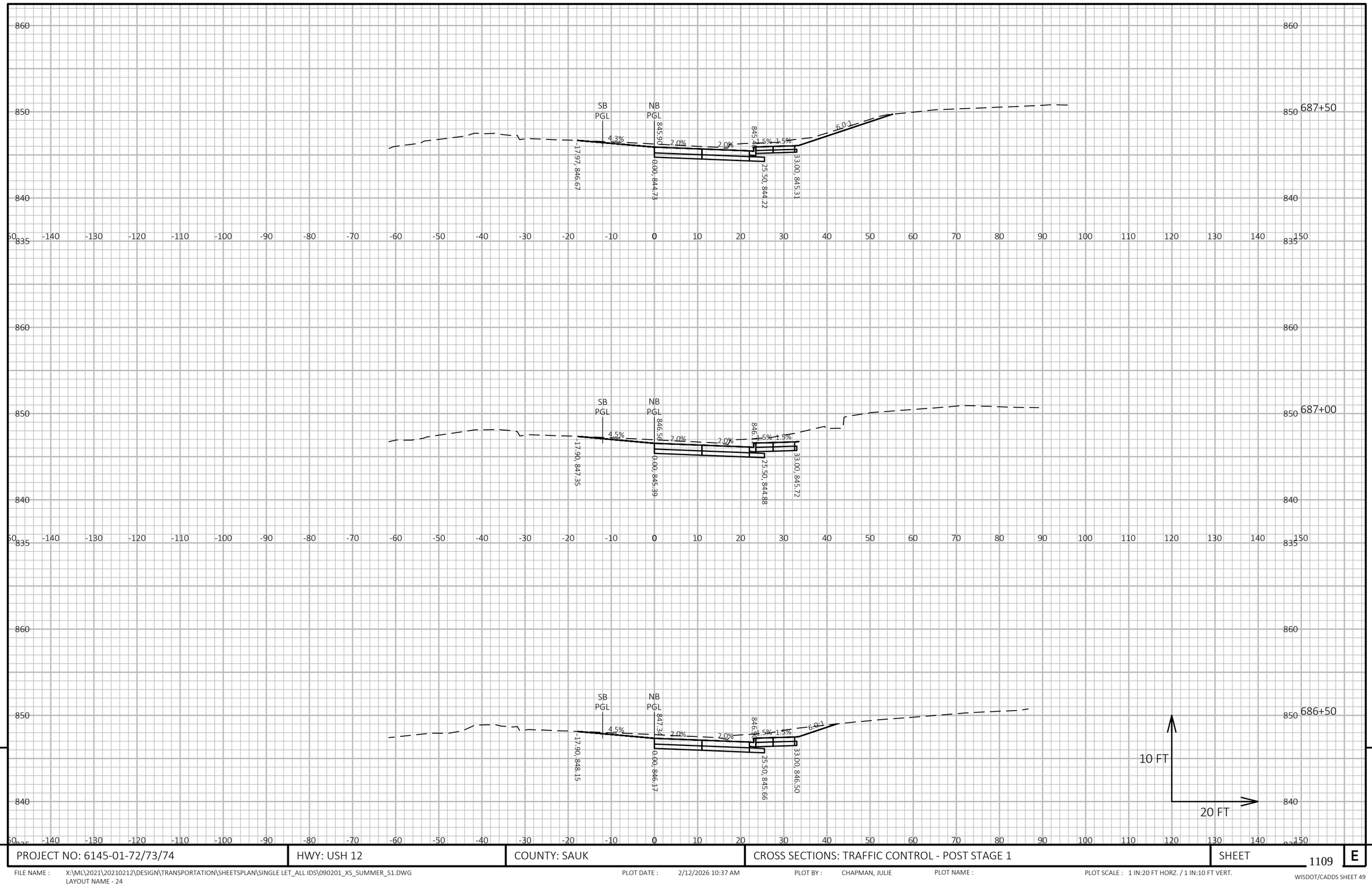


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9

PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	CROSS SECTIONS: TRAFFIC CONTROL - POST STAGE 1	SHEET 1108	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\SINGLE LET_ALL IDS\090201_XS_SUMMER_S1.DWG
LAYOUT NAME - 23
PLOT DATE : 2/12/2026 10:37 AM
PLOT BY : CHAPMAN, JULIE
PLOT NAME :
PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.
WISDOT/CADDS SHEET 49



9

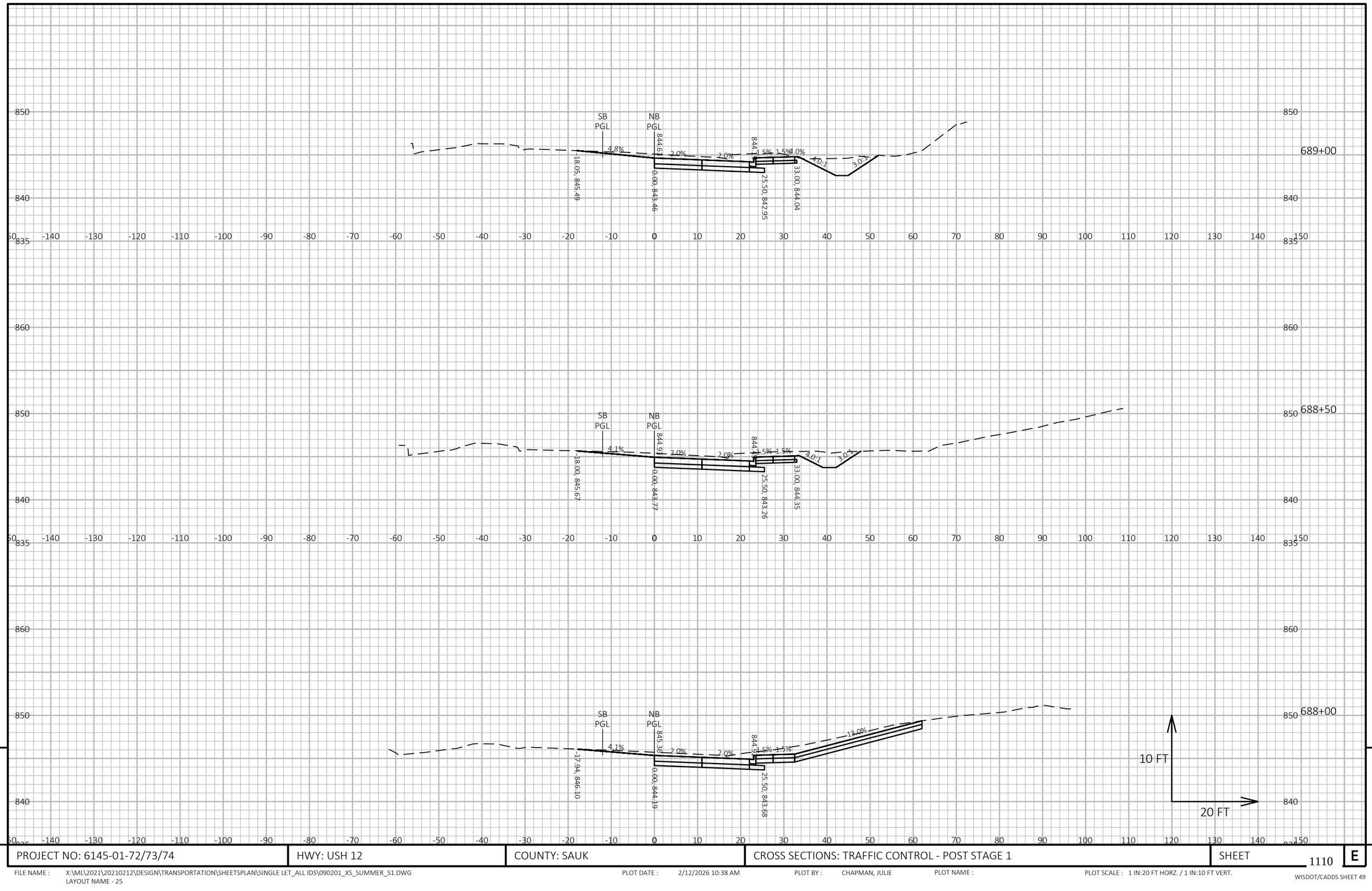
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PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	CROSS SECTIONS: TRAFFIC CONTROL - POST STAGE 1	SHEET 1109	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\SINGLE LET_ALL IDS\090201_XS_SUMMER_S1.DWG
LAYOUT NAME - 24

PLOT DATE : 2/12/2026 10:37 AM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

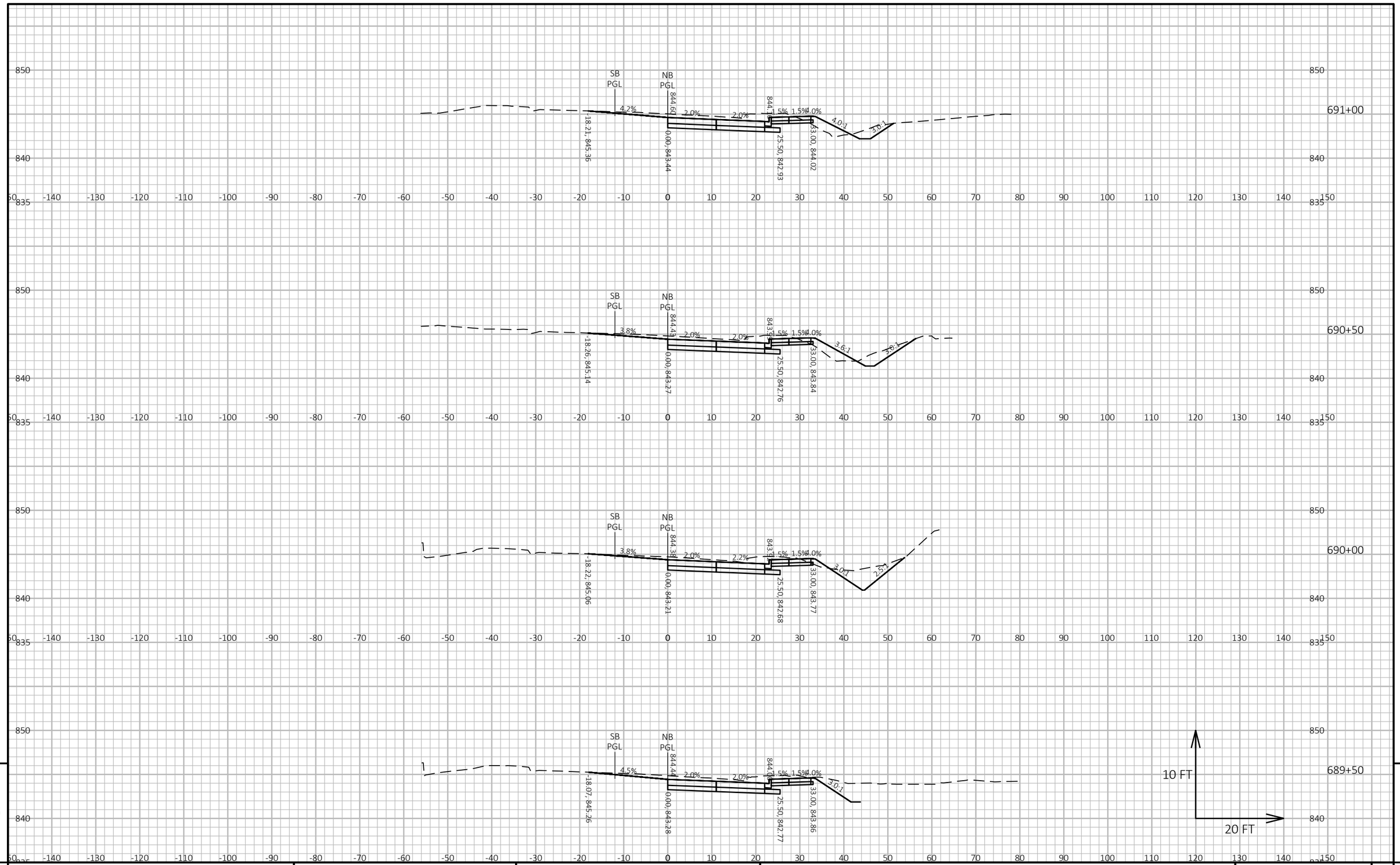
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PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	CROSS SECTIONS: TRAFFIC CONTROL - POST STAGE 1	SHEET 1110	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\SINGLE LET_ALL IDS\090201_XS_SUMMER_S1.DWG
LAYOUT NAME - 25

PLOT DATE : 2/12/2026 10:38 AM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



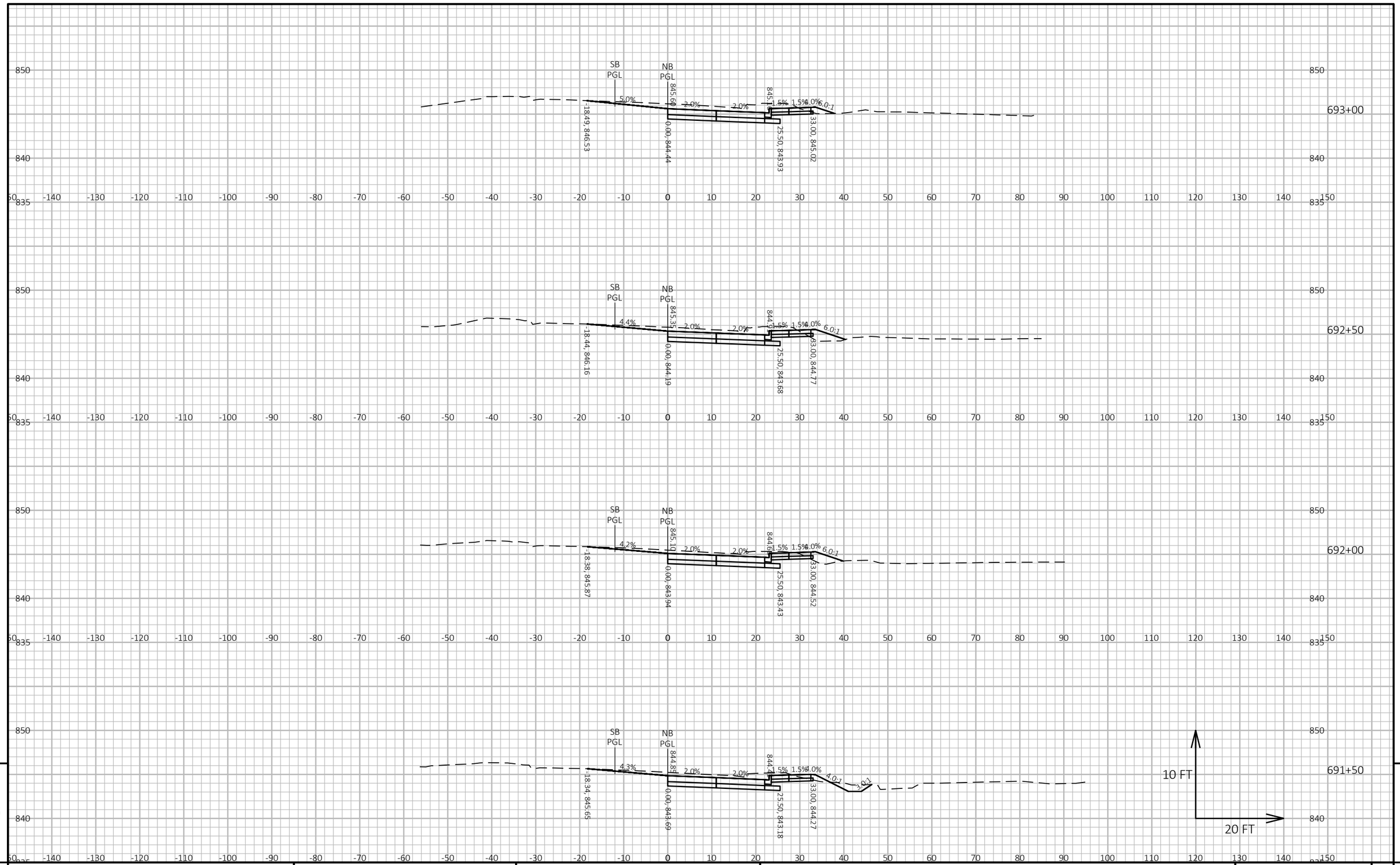
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PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	CROSS SECTIONS: TRAFFIC CONTROL - POST STAGE 1	SHEET 1111	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\SINGLE LET_ALL IDS\090201_XS_SUMMER_S1.DWG
LAYOUT NAME - 26

PLOT DATE : 2/12/2026 10:38 AM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

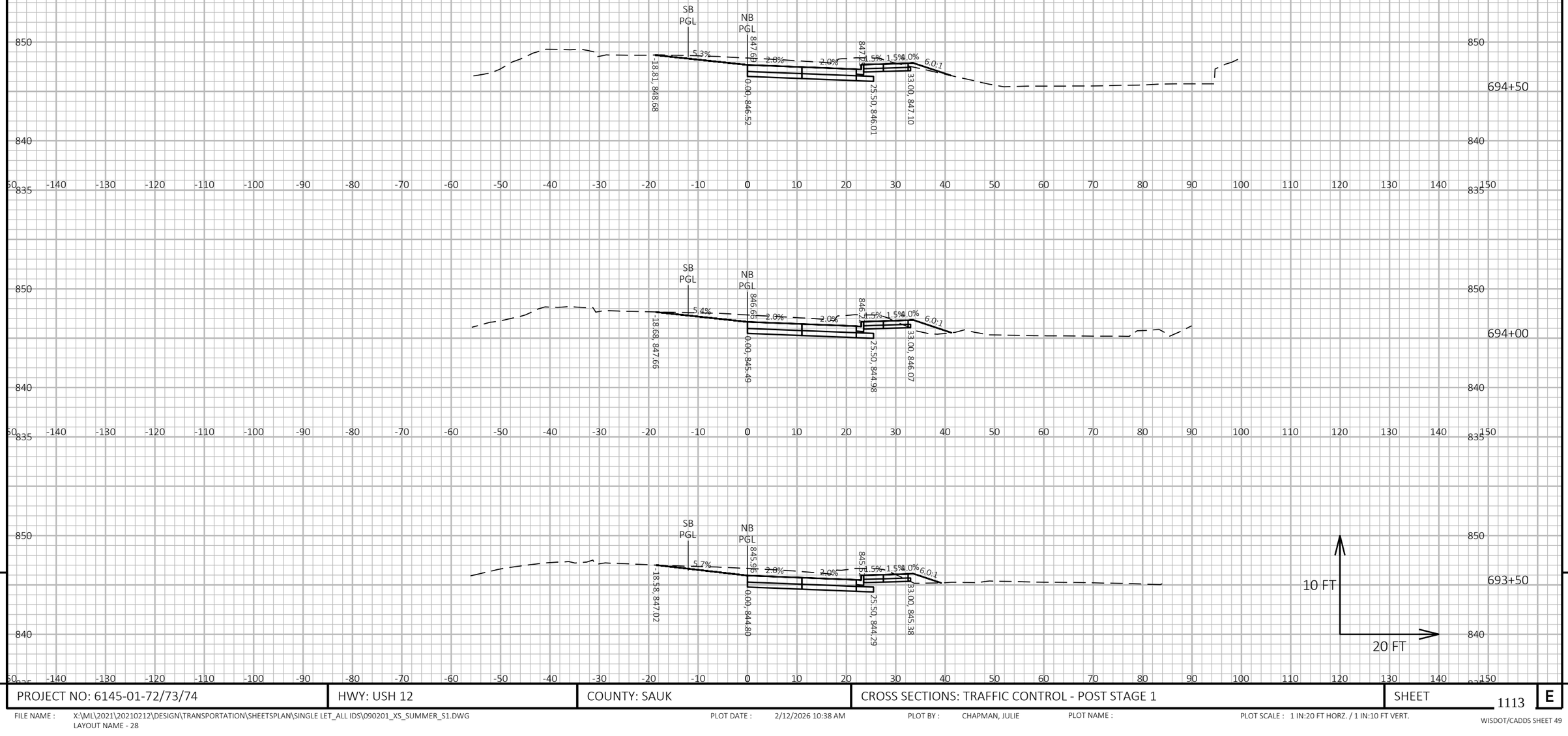


PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	CROSS SECTIONS: TRAFFIC CONTROL - POST STAGE 1	SHEET 1112 E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\SINGLE LET_ALL IDS\090201_XS_SUMMER_S1.DWG
LAYOUT NAME - 27

PLOT DATE : 2/12/2026 10:38 AM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

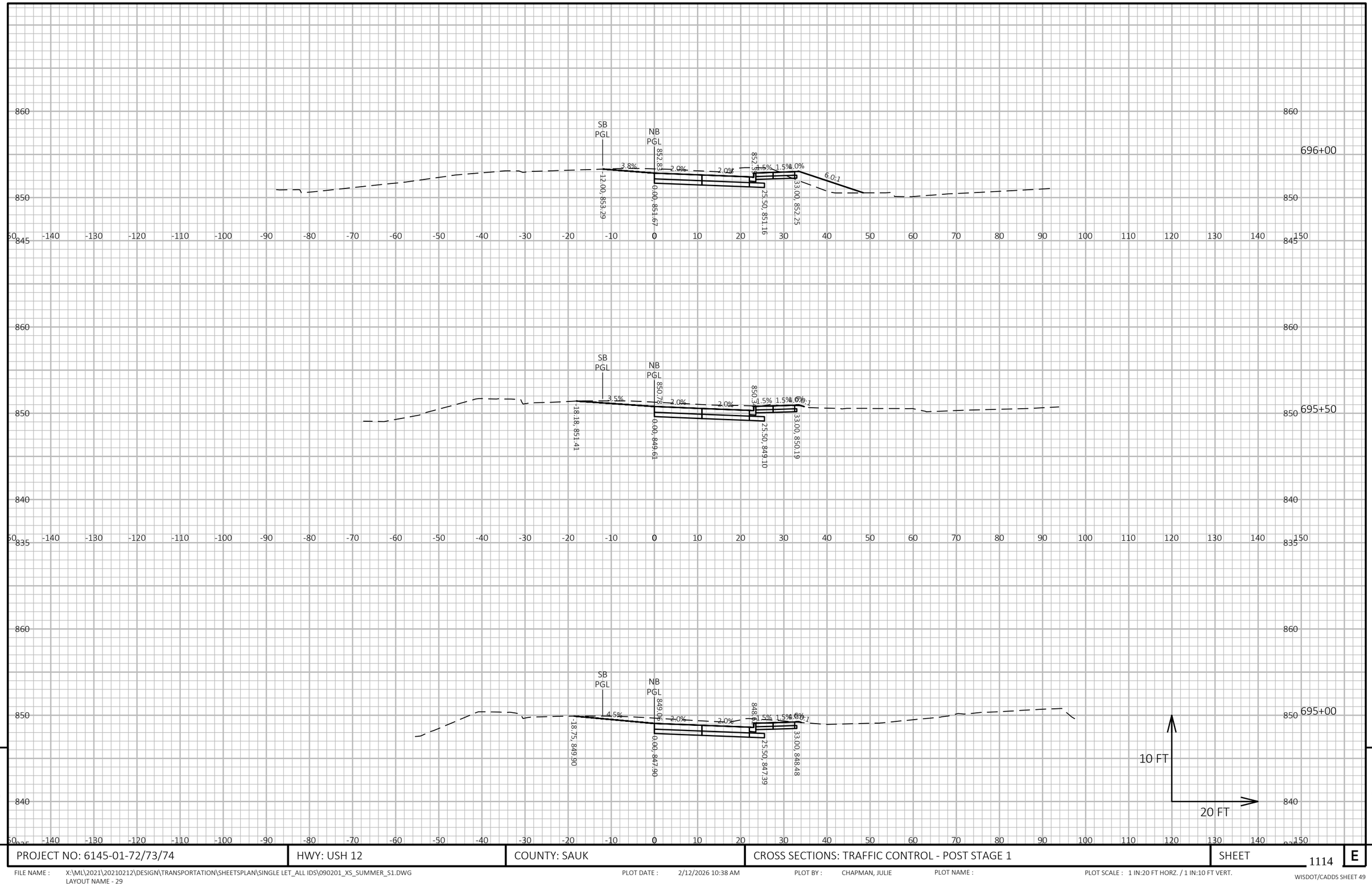
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PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	CROSS SECTIONS: TRAFFIC CONTROL - POST STAGE 1	SHEET 1113	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\SINGLE LET_ALL IDS\090201_XS_SUMMER_S1.DWG
LAYOUT NAME - 28

PLOT DATE : 2/12/2026 10:38 AM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

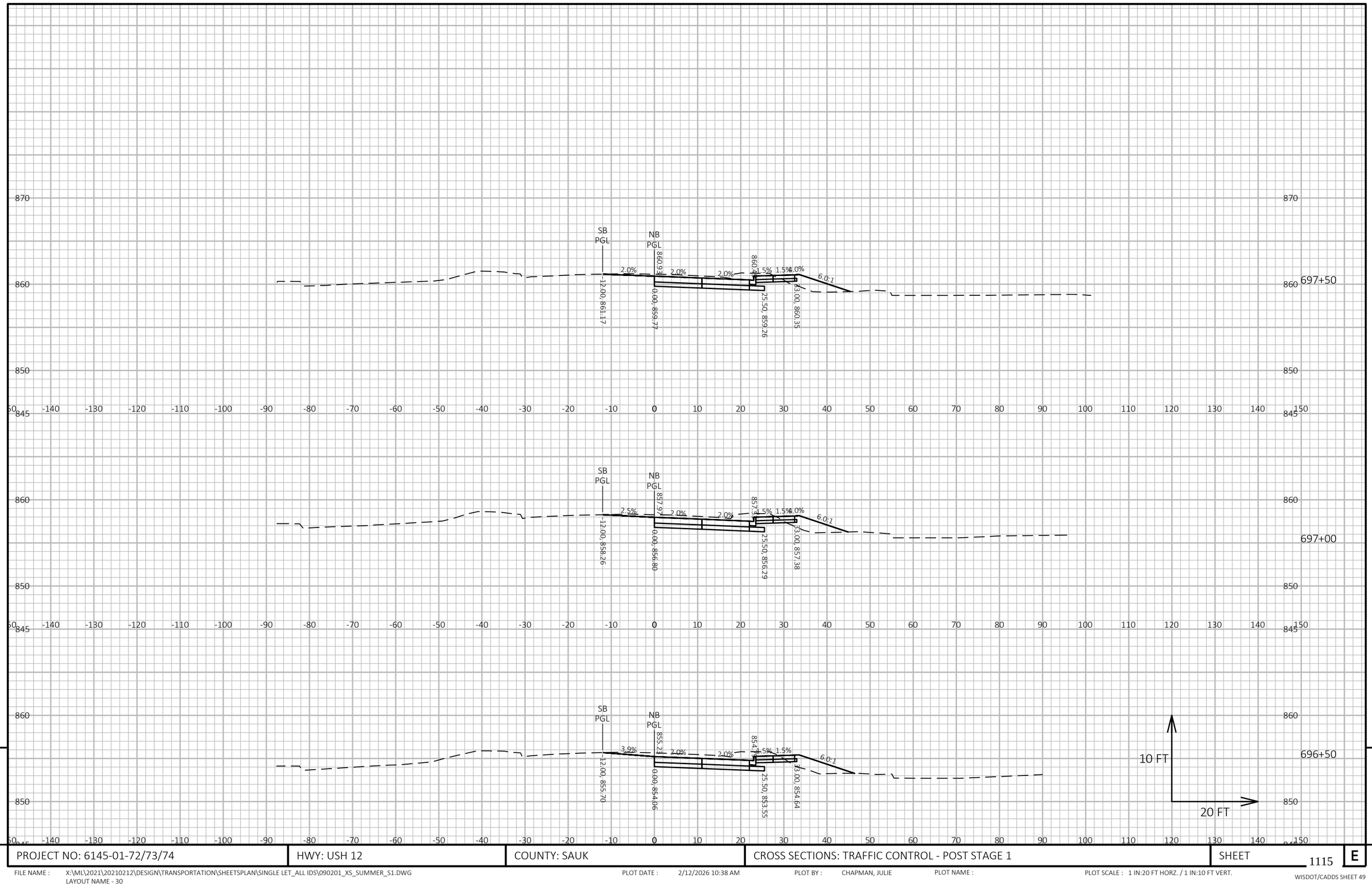
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PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	CROSS SECTIONS: TRAFFIC CONTROL - POST STAGE 1	SHEET 1114	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\SINGLE LET_ALL IDS\090201_XS_SUMMER_S1.DWG
LAYOUT NAME - 29

PLOT DATE : 2/12/2026 10:38 AM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

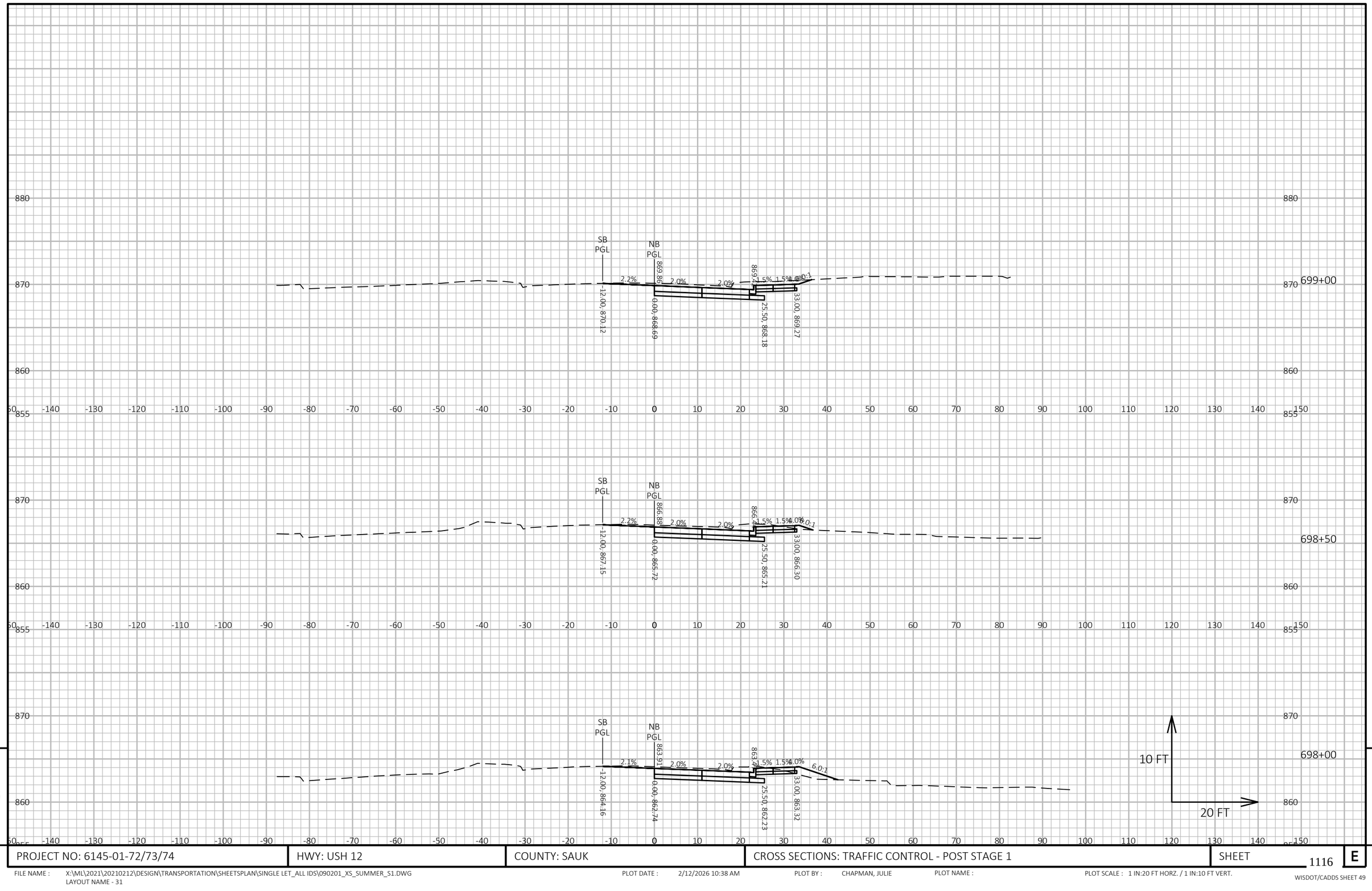


PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	CROSS SECTIONS: TRAFFIC CONTROL - POST STAGE 1	SHEET 1115	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\SINGLE LET_ALL IDS\090201_XS_SUMMER_S1.DWG
LAYOUT NAME - 30

PLOT DATE : 2/12/2026 10:38 AM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

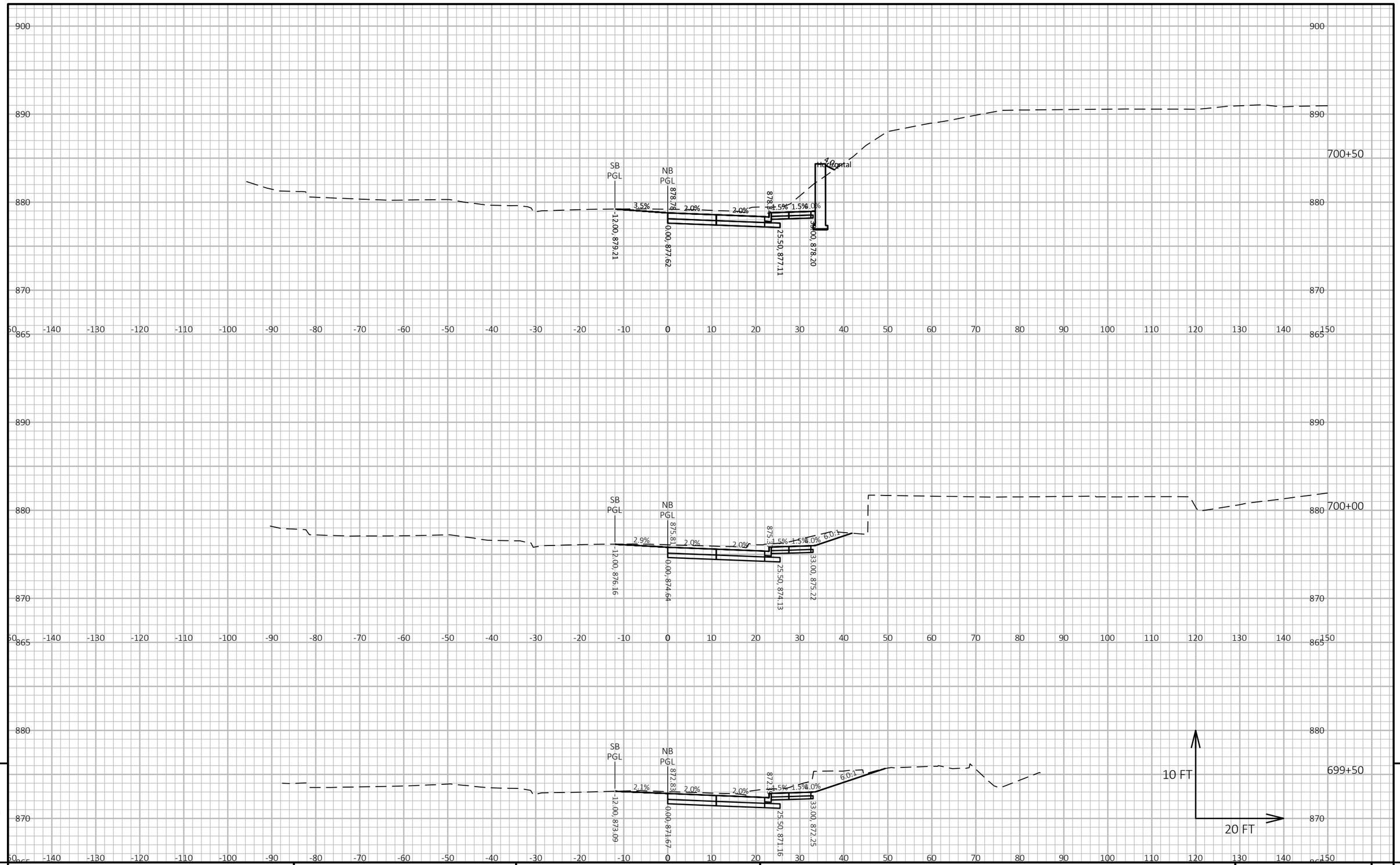


PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	CROSS SECTIONS: TRAFFIC CONTROL - POST STAGE 1	SHEET 1116	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\SINGLE LET_ALL IDS\090201_XS_SUMMER_S1.DWG
LAYOUT NAME - 31

PLOT DATE : 2/12/2026 10:38 AM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

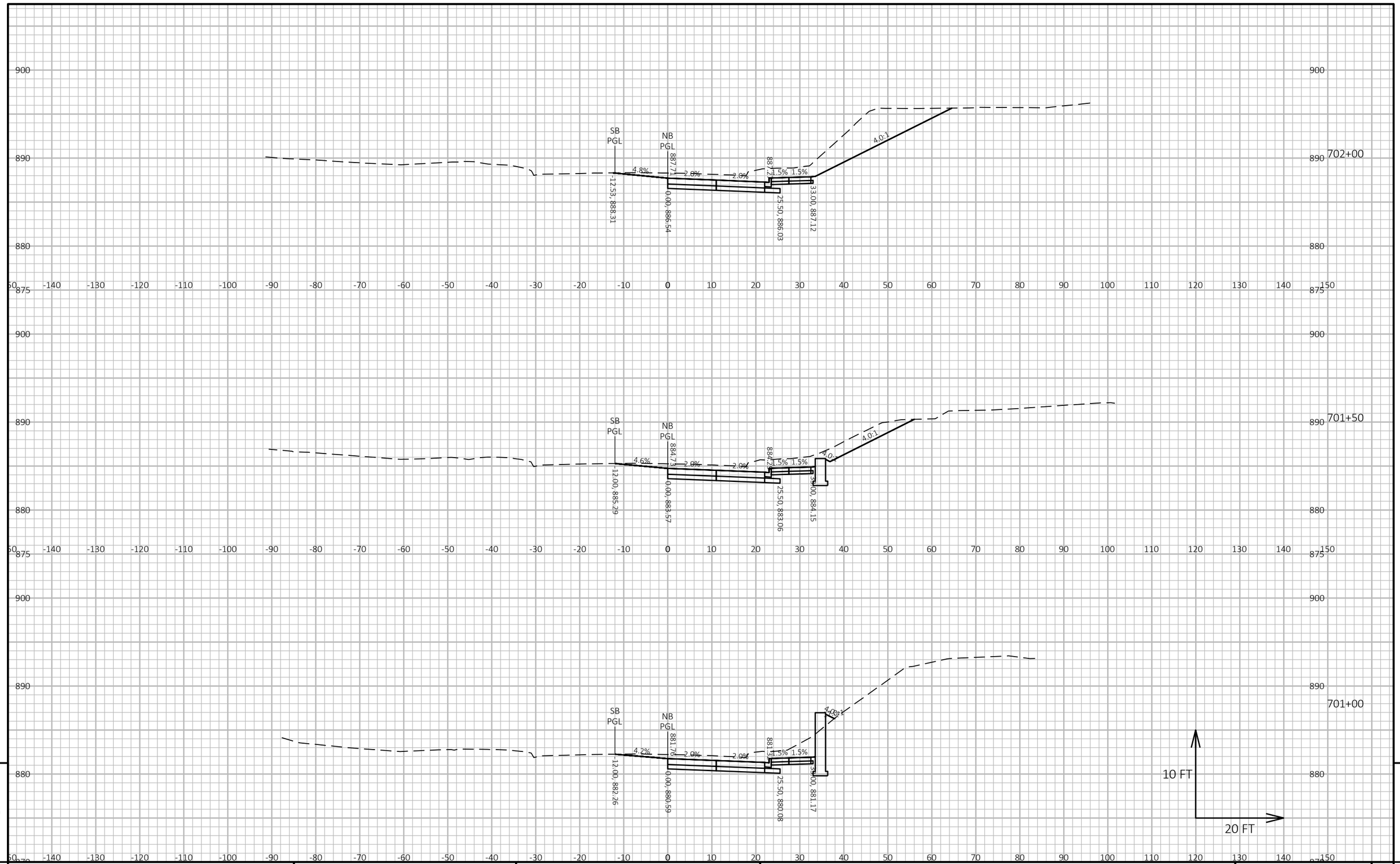
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PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	CROSS SECTIONS: TRAFFIC CONTROL - POST STAGE 1	SHEET 1117	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\SINGLE LET_ALL IDS\090201_XS_SUMMER_S1.DWG
LAYOUT NAME - 32

PLOT DATE : 2/12/2026 10:38 AM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

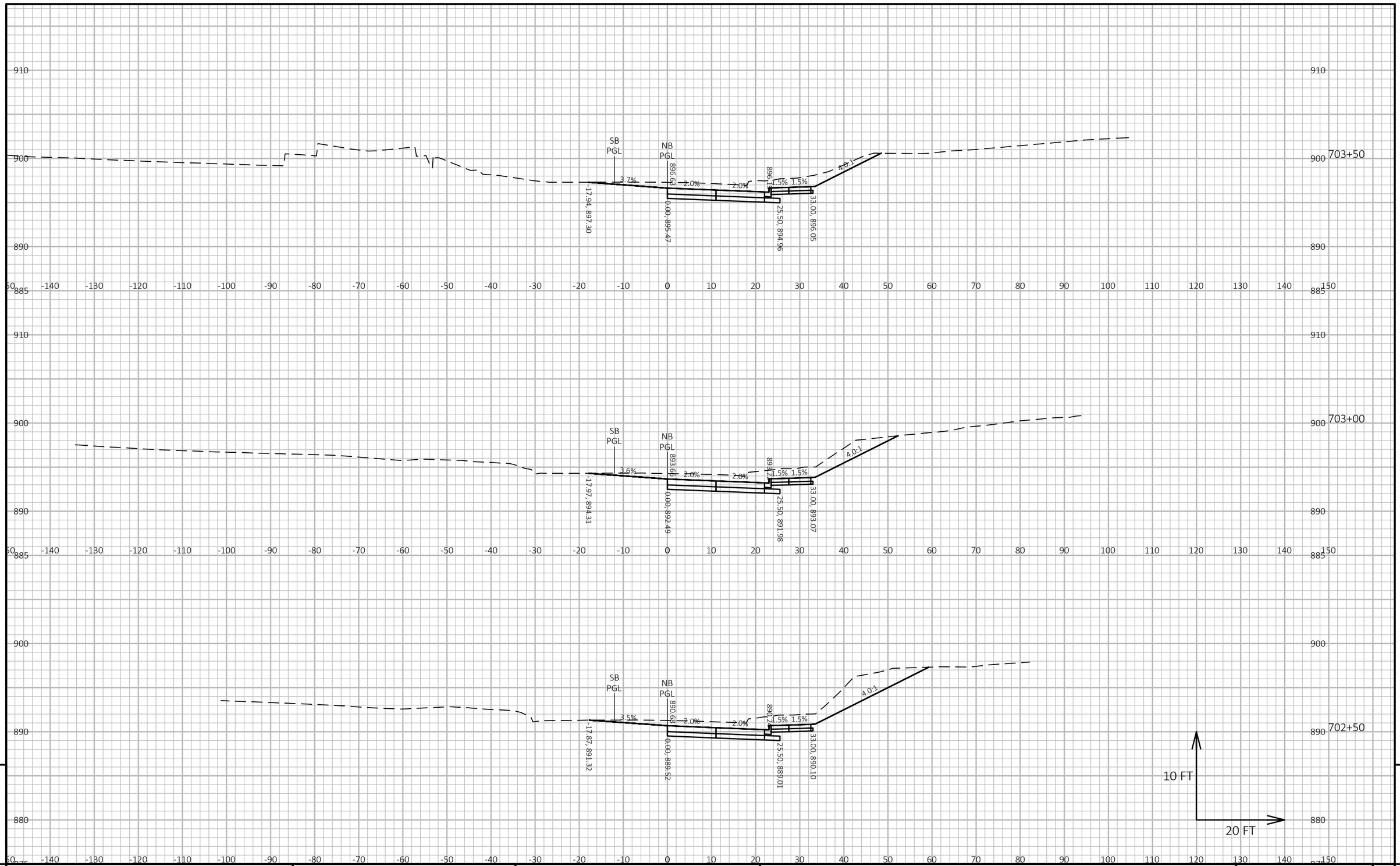
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PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	CROSS SECTIONS: TRAFFIC CONTROL - POST STAGE 1	SHEET 1118	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\SINGLE LET_ALL IDS\090201_XS_SUMMER_S1.DWG
LAYOUT NAME - 33

PLOT DATE : 2/12/2026 10:38 AM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

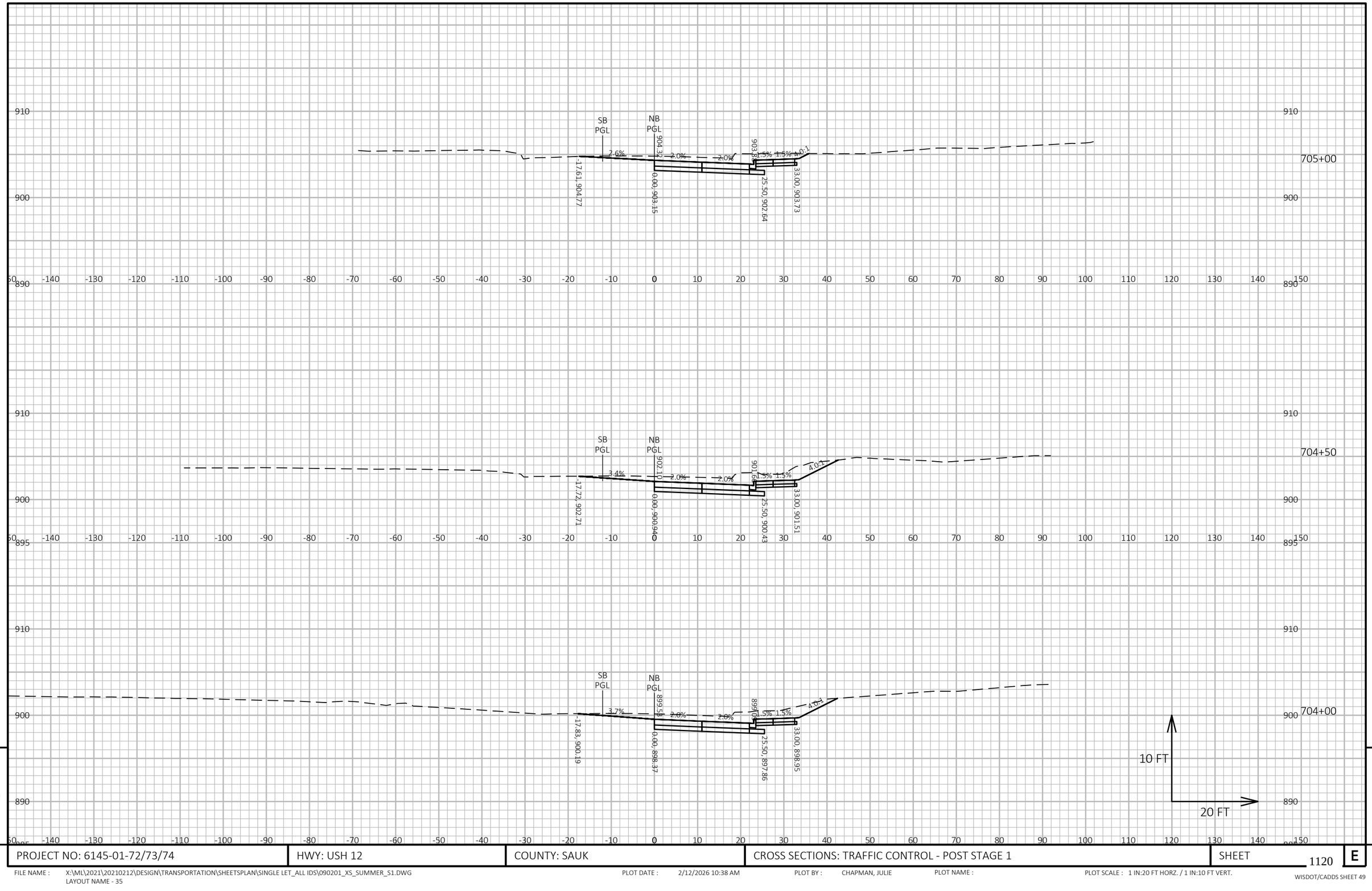
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PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	CROSS SECTIONS: TRAFFIC CONTROL - POST STAGE 1	SHEET 1119	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\SINGLE LET_ALL IDS\090201_XS_SUMMER_S1.DWG
LAYOUT NAME - 34

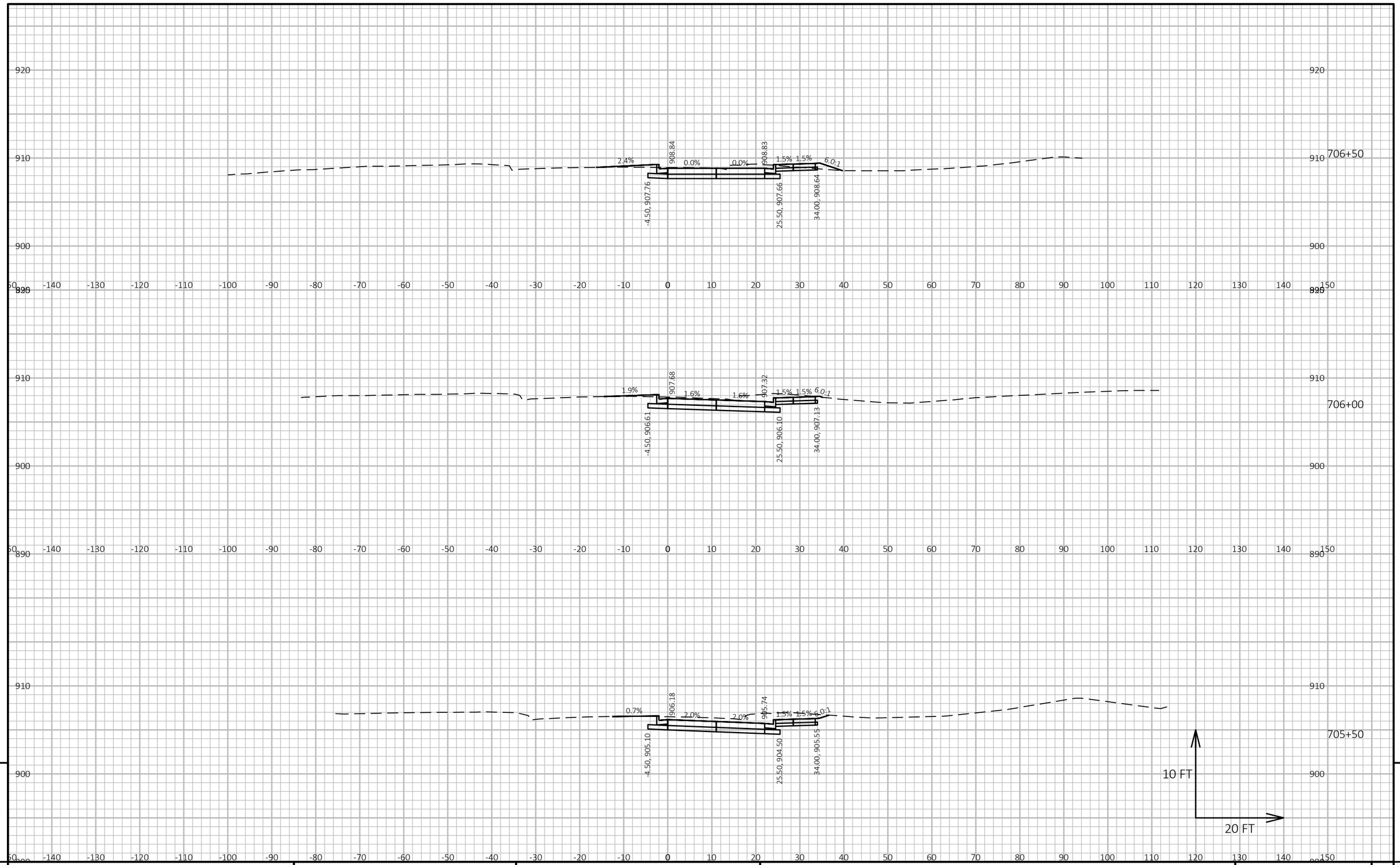
PLOT DATE : 2/12/2026 10:38 AM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	CROSS SECTIONS: TRAFFIC CONTROL - POST STAGE 1	SHEET 1120 E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\SINGLE LET_ALL IDS\090201_XS_SUMMER_S1.DWG
LAYOUT NAME - 35
PLOT DATE : 2/12/2026 10:38 AM
PLOT BY : CHAPMAN, JULIE
PLOT NAME :
PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.
WISDOT/CADDS SHEET 49



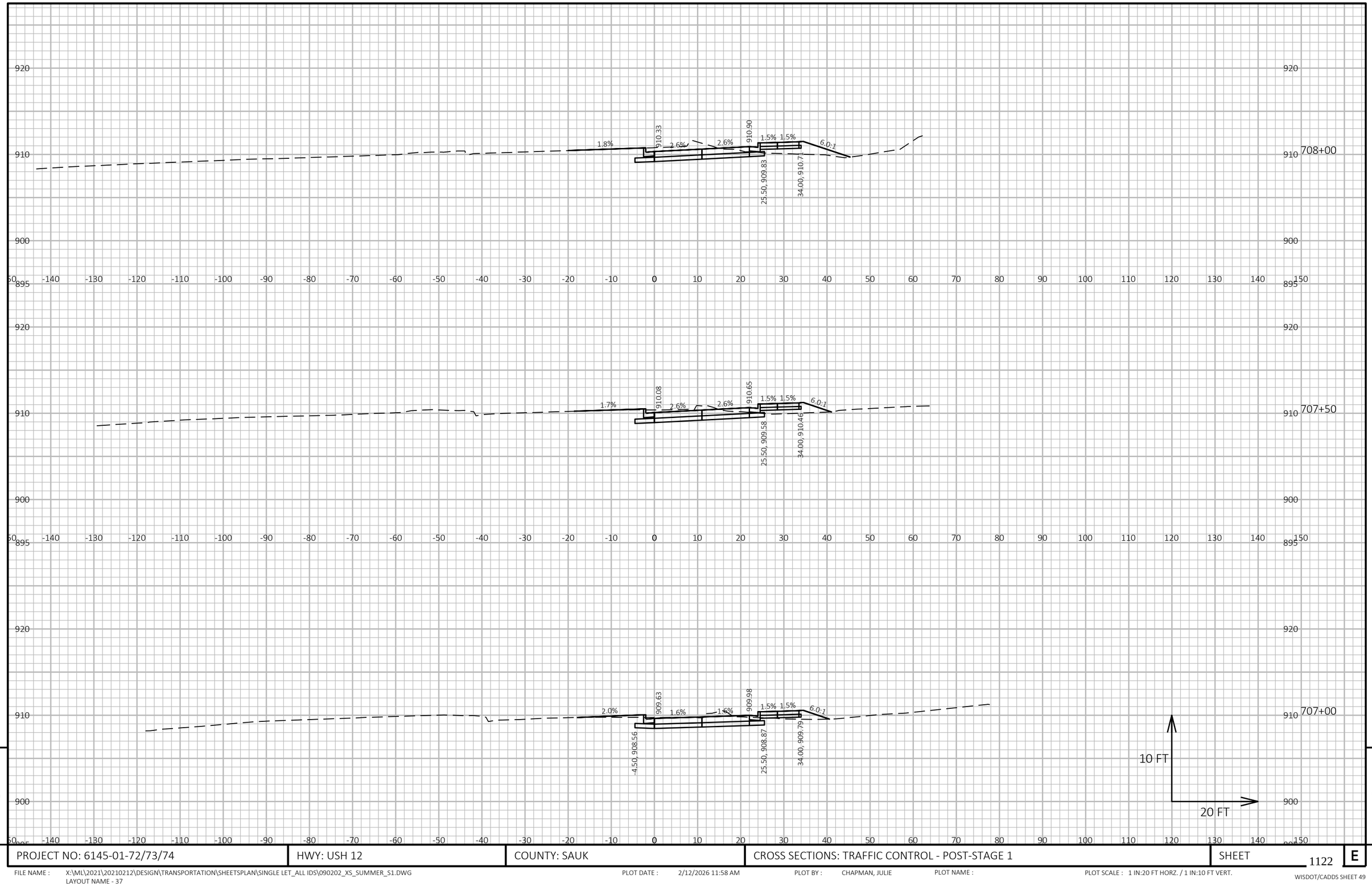
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9

PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	CROSS SECTIONS: TRAFFIC CONTROL - POST-STAGE 1	SHEET 1121	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\SINGLE LET_ALL IDS\090202_XS_SUMMER_S1.DWG
LAYOUT NAME - 36

PLOT DATE : 2/12/2026 11:58 AM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.



9

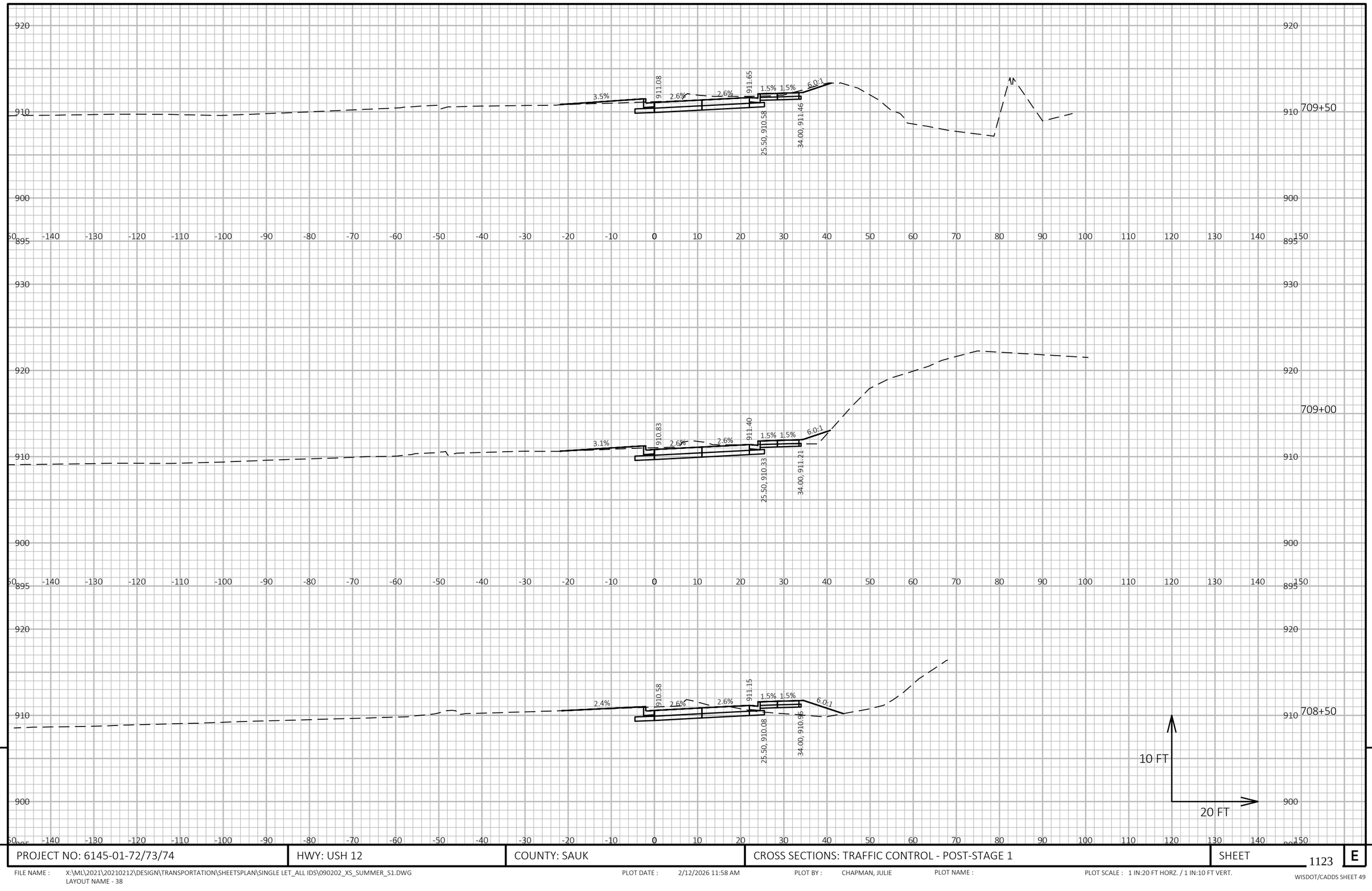
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PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	CROSS SECTIONS: TRAFFIC CONTROL - POST-STAGE 1	SHEET 1122	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\SINGLE LET_ALL IDS\090202_XS_SUMMER_S1.DWG
LAYOUT NAME - 37

PLOT DATE : 2/12/2026 11:58 AM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

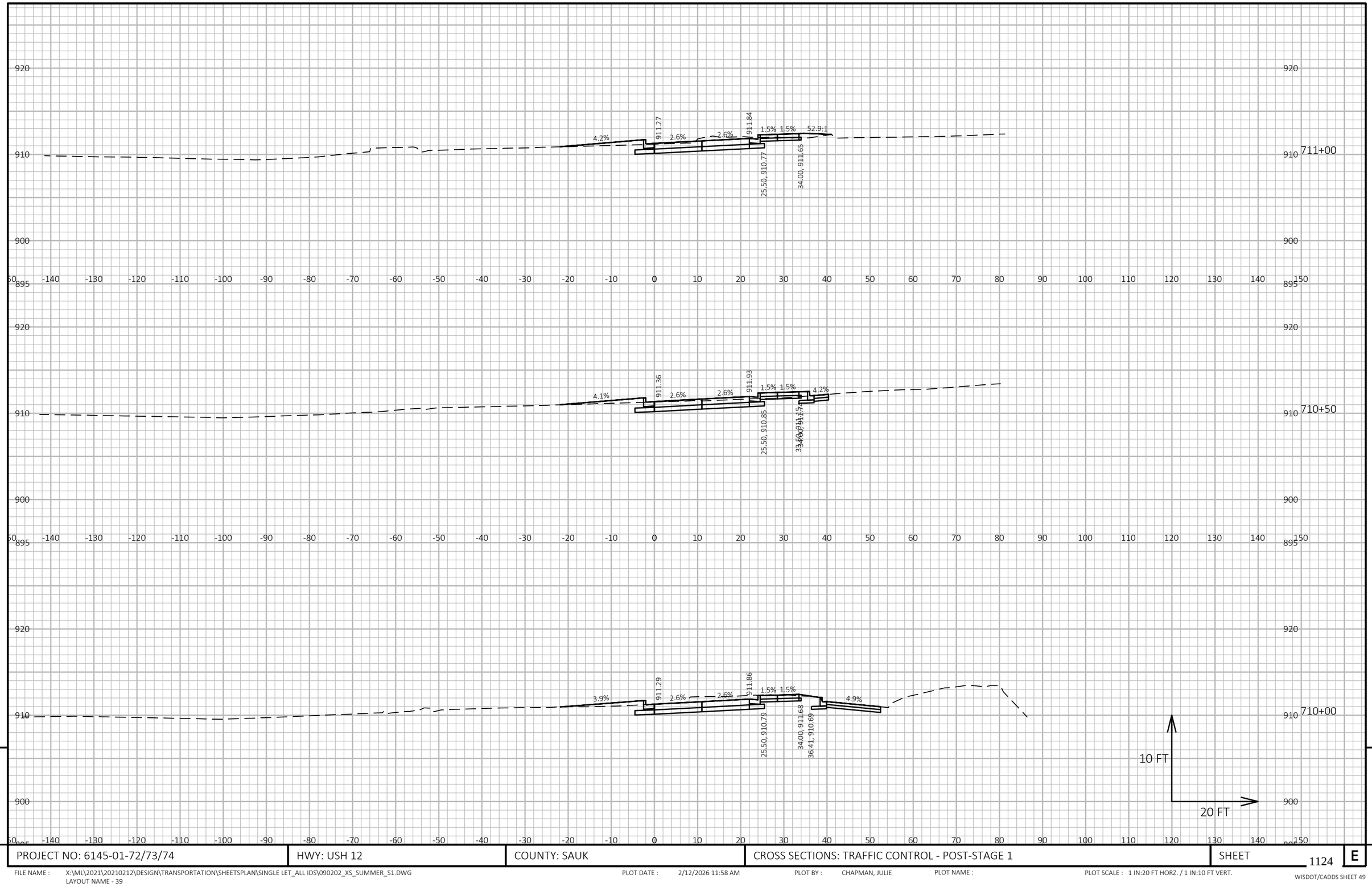


PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	CROSS SECTIONS: TRAFFIC CONTROL - POST-STAGE 1	SHEET 1123	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\SINGLE LET_ALL IDS\090202_XS_SUMMER_S1.DWG
LAYOUT NAME - 38

PLOT DATE : 2/12/2026 11:58 AM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

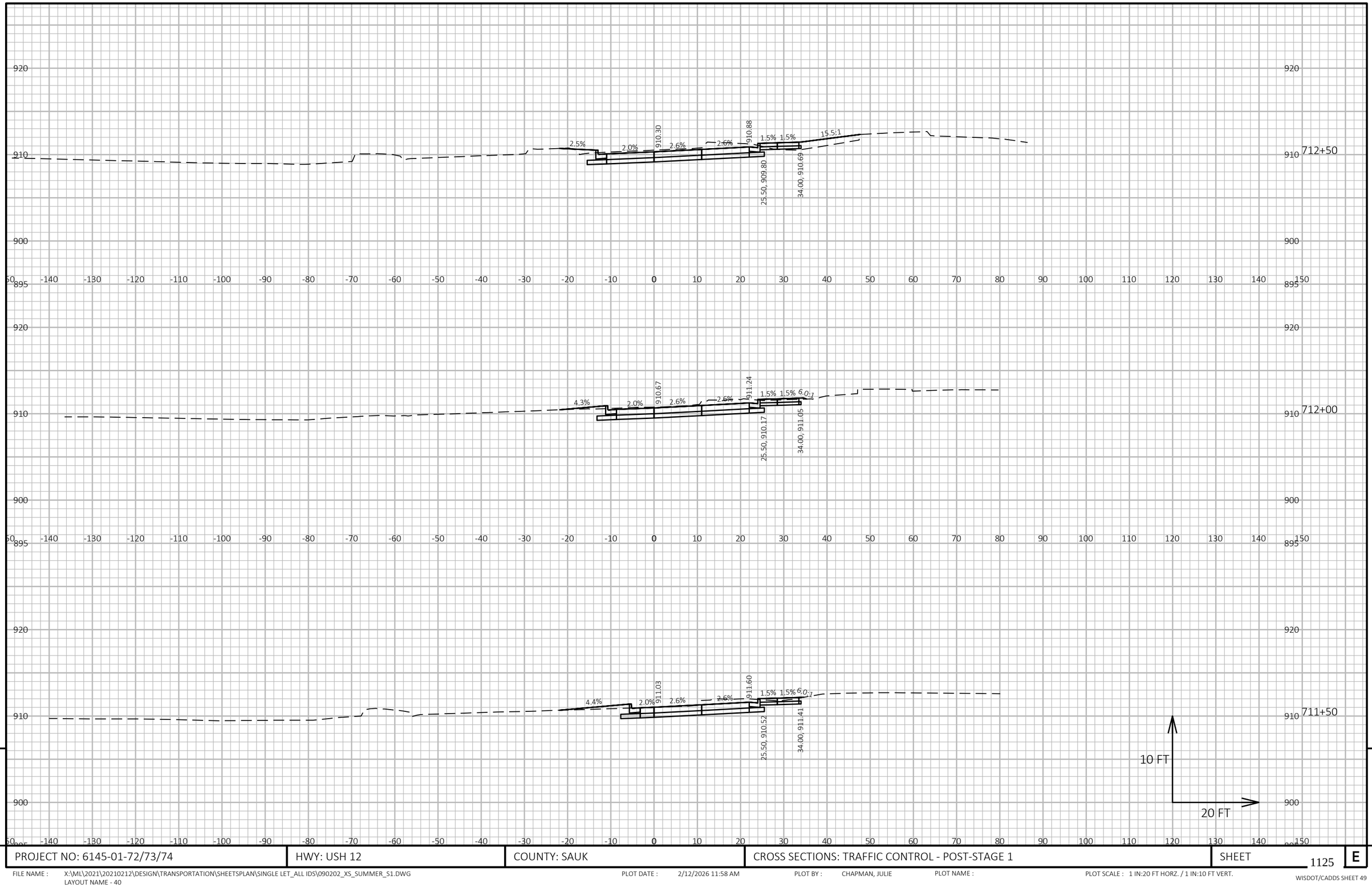
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PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	CROSS SECTIONS: TRAFFIC CONTROL - POST-STAGE 1	SHEET 1124	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\SINGLE LET_ALL IDS\090202_XS_SUMMER_S1.DWG
LAYOUT NAME - 39

PLOT DATE : 2/12/2026 11:58 AM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

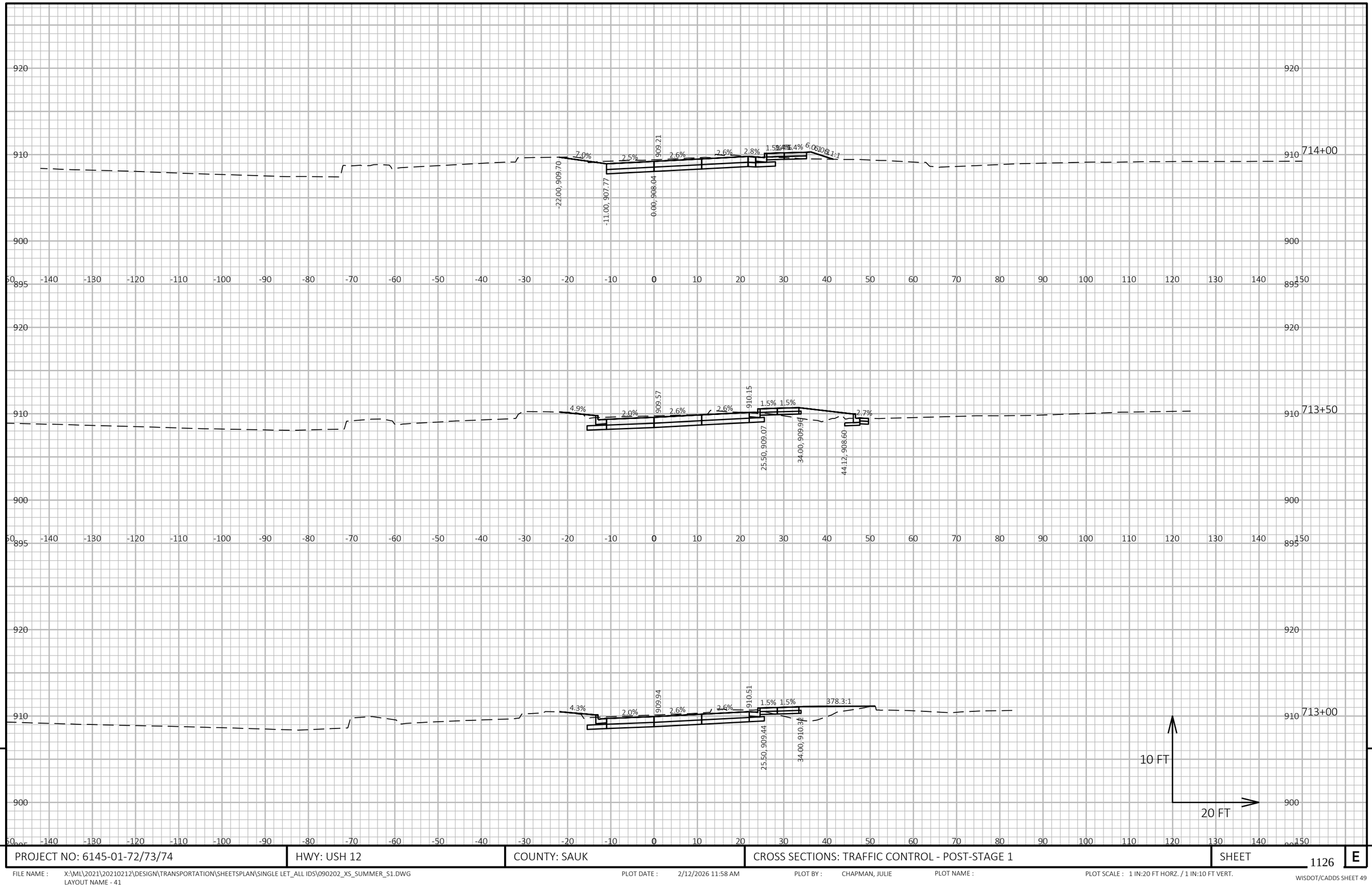
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PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	CROSS SECTIONS: TRAFFIC CONTROL - POST-STAGE 1	SHEET 1125	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\SINGLE LET_ALL IDS\090202_XS_SUMMER_S1.DWG
LAYOUT NAME - 40

PLOT DATE : 2/12/2026 11:58 AM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

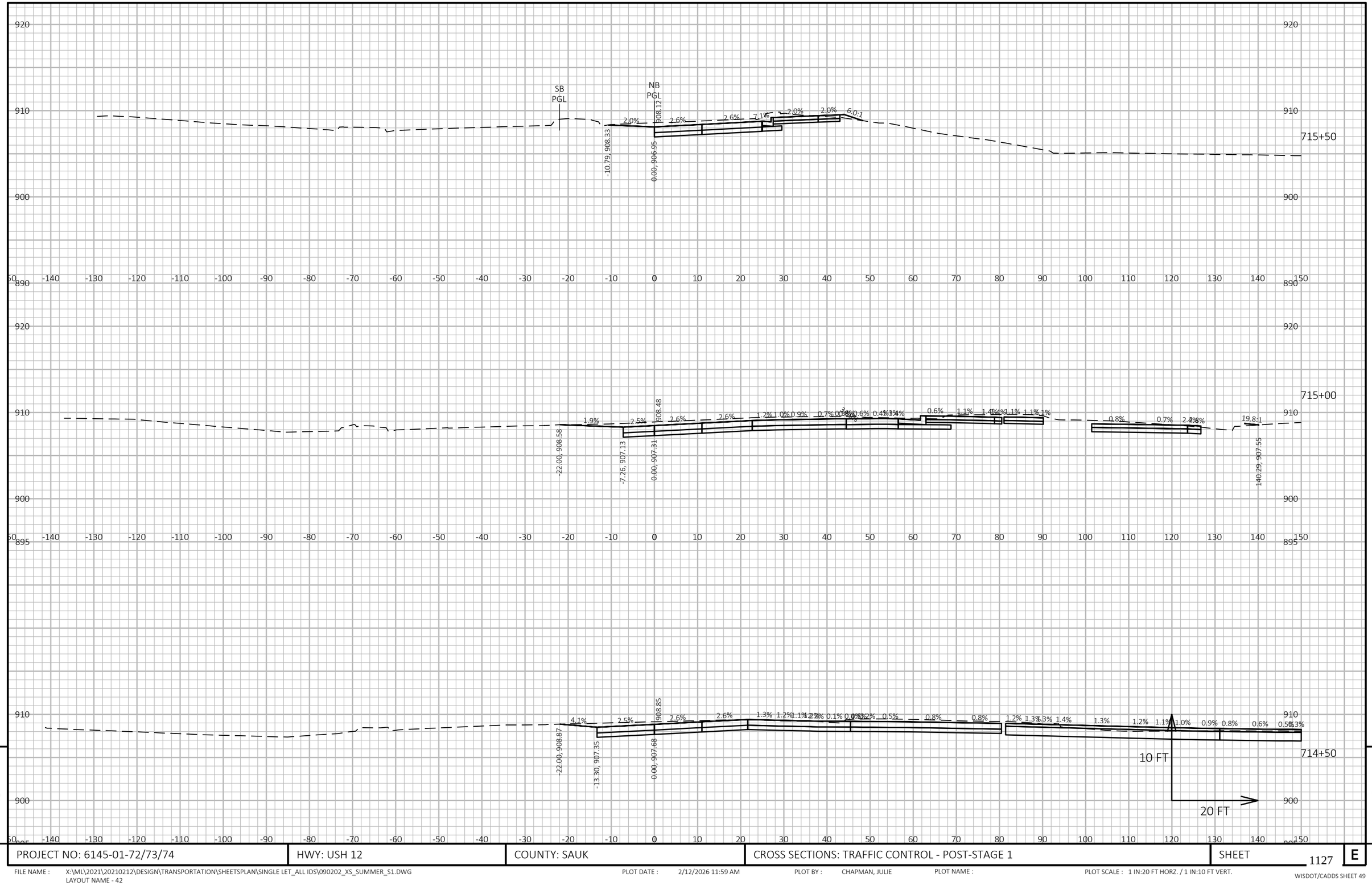


PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	CROSS SECTIONS: TRAFFIC CONTROL - POST-STAGE 1	SHEET 1126	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\SINGLE LET_ALL IDS\090202_XS_SUMMER_S1.DWG
LAYOUT NAME - 41

PLOT DATE : 2/12/2026 11:58 AM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



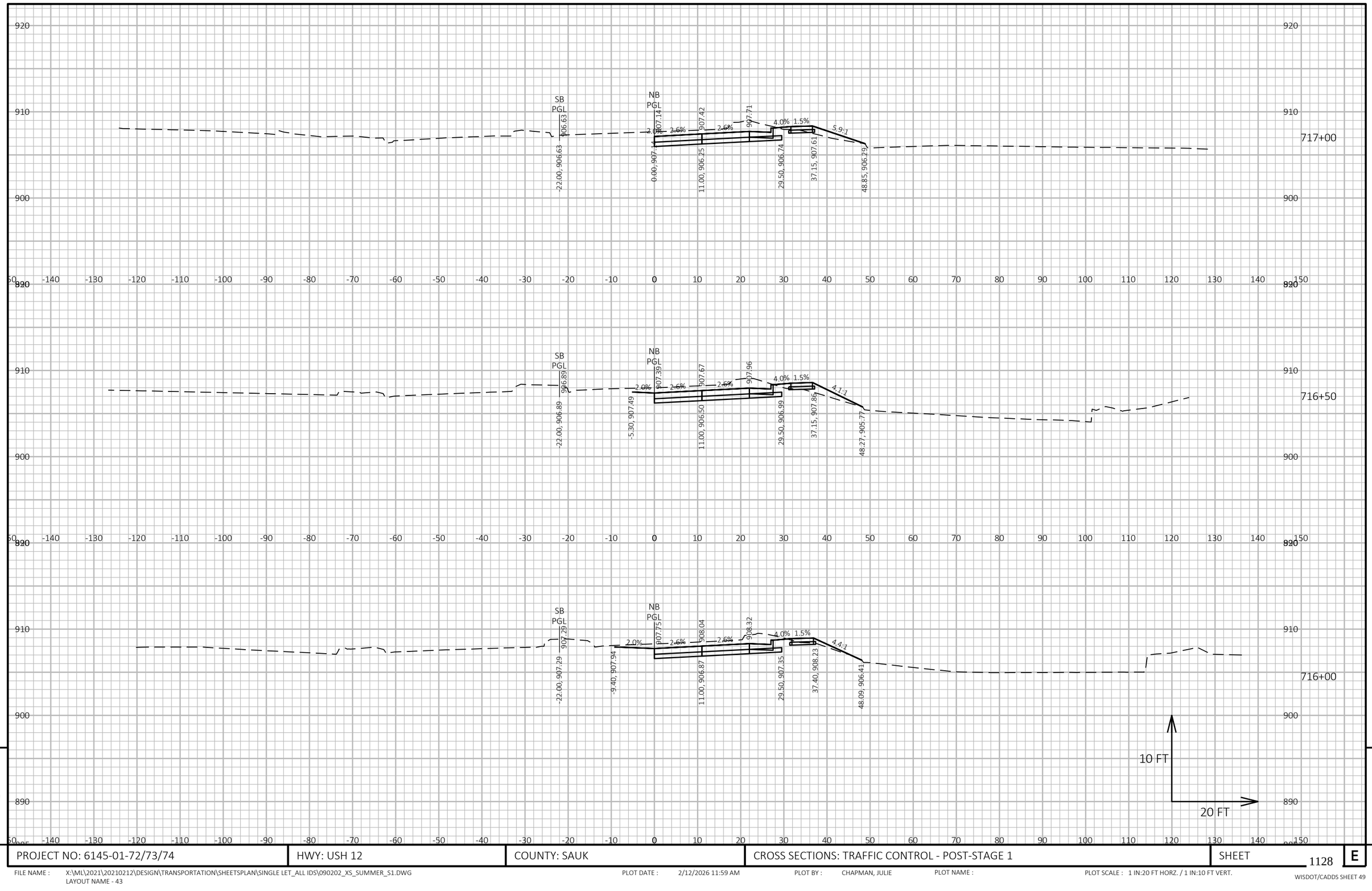
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9

PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	CROSS SECTIONS: TRAFFIC CONTROL - POST-STAGE 1	SHEET 1127	E

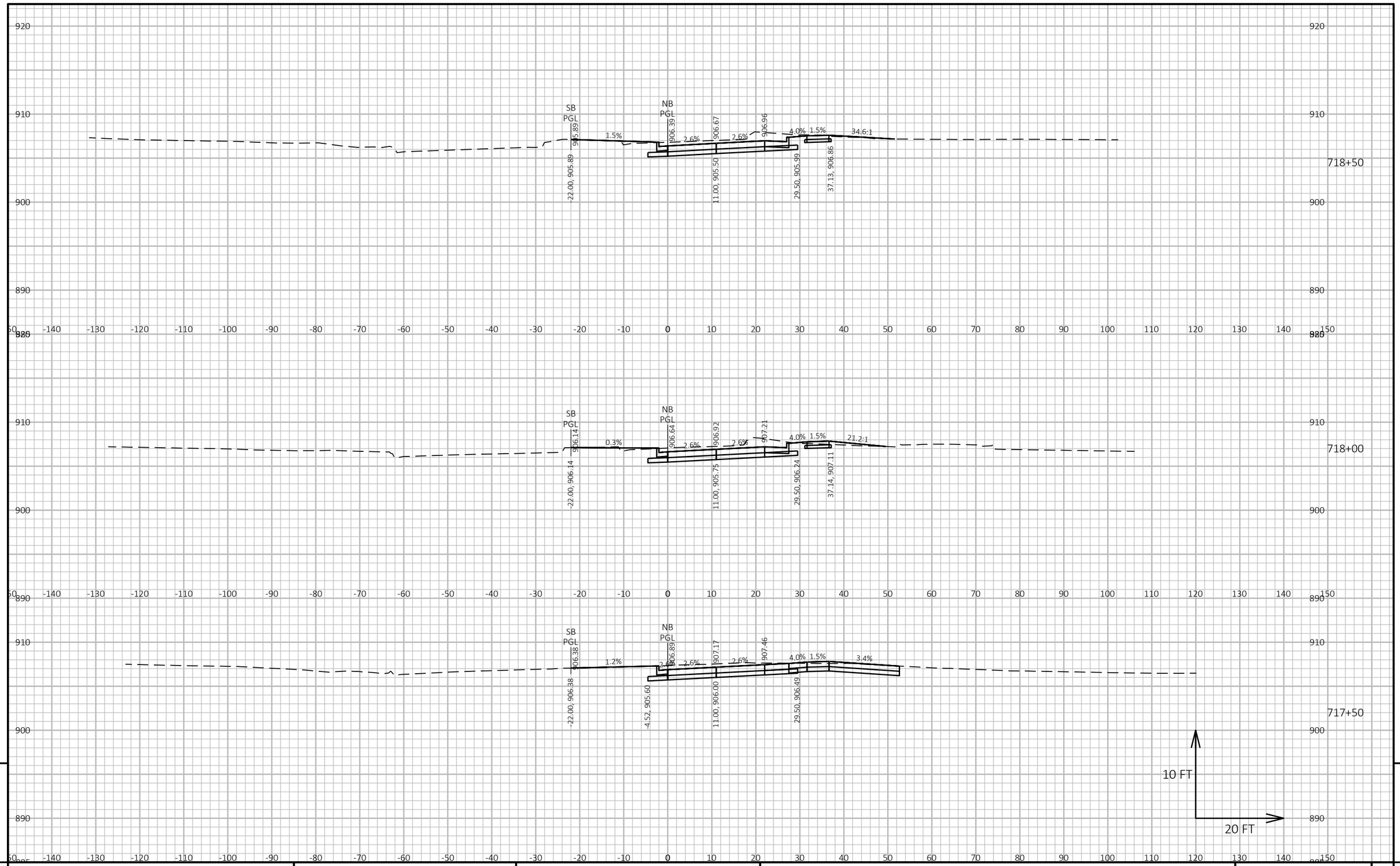
FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\SINGLE LET_ALL IDS\090202_XS_SUMMER_S1.DWG
LAYOUT NAME - 42

PLOT DATE : 2/12/2026 11:59 AM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.



PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	CROSS SECTIONS: TRAFFIC CONTROL - POST-STAGE 1	SHEET 1128	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\SINGLE LET_ALL IDS\090202_XS_SUMMER_S1.DWG
LAYOUT NAME - 43
PLOT DATE : 2/12/2026 11:59 AM
PLOT BY : CHAPMAN, JULIE
PLOT NAME :
PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.
WISDOT/CADDS SHEET 49



9

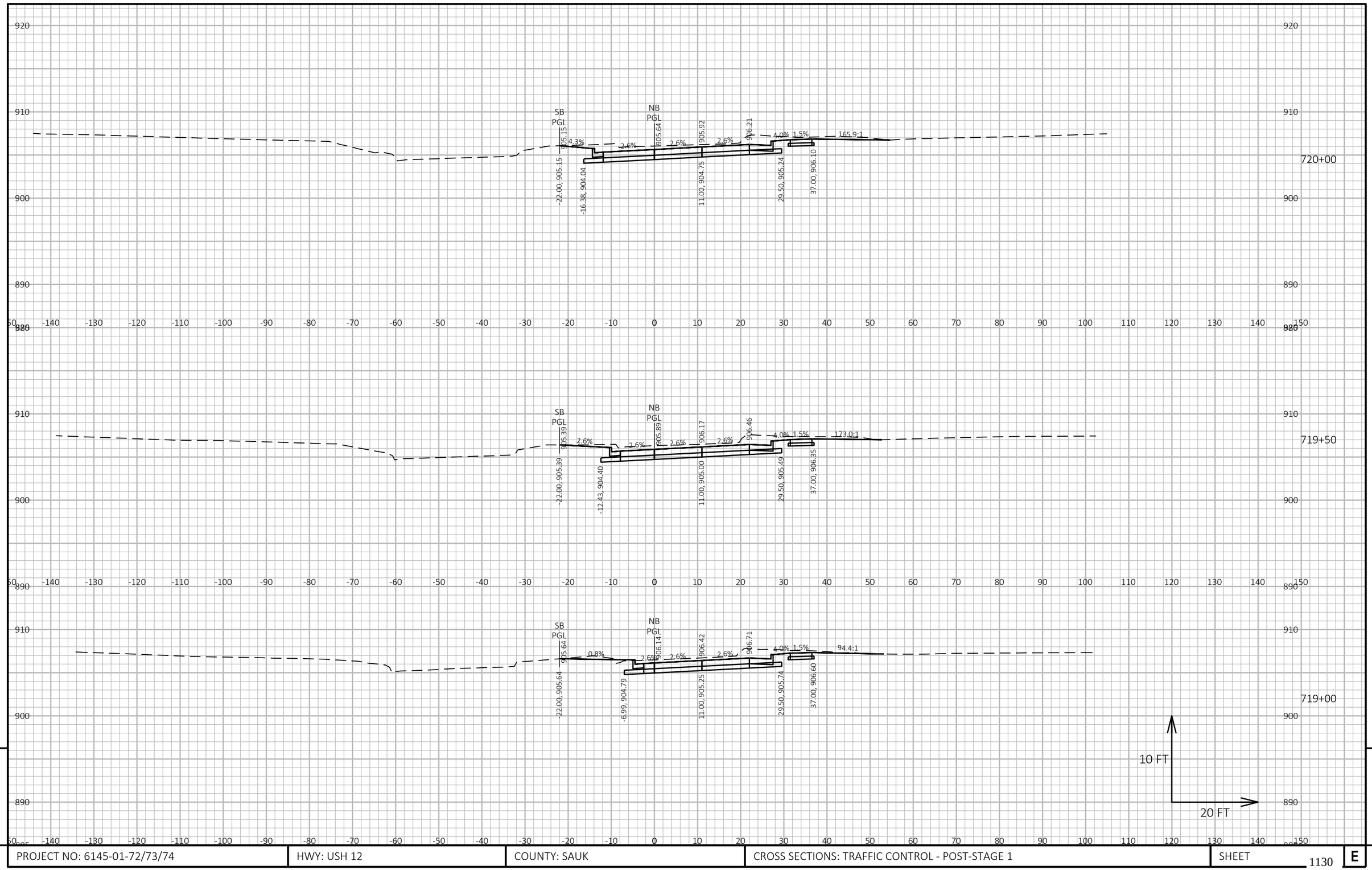
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PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	CROSS SECTIONS: TRAFFIC CONTROL - POST-STAGE 1	SHEET 1129	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\SINGLE LET_ALL IDS\090202_XS_SUMMER_S1.DWG
LAYOUT NAME - 44

PLOT DATE : 2/12/2026 11:59 AM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

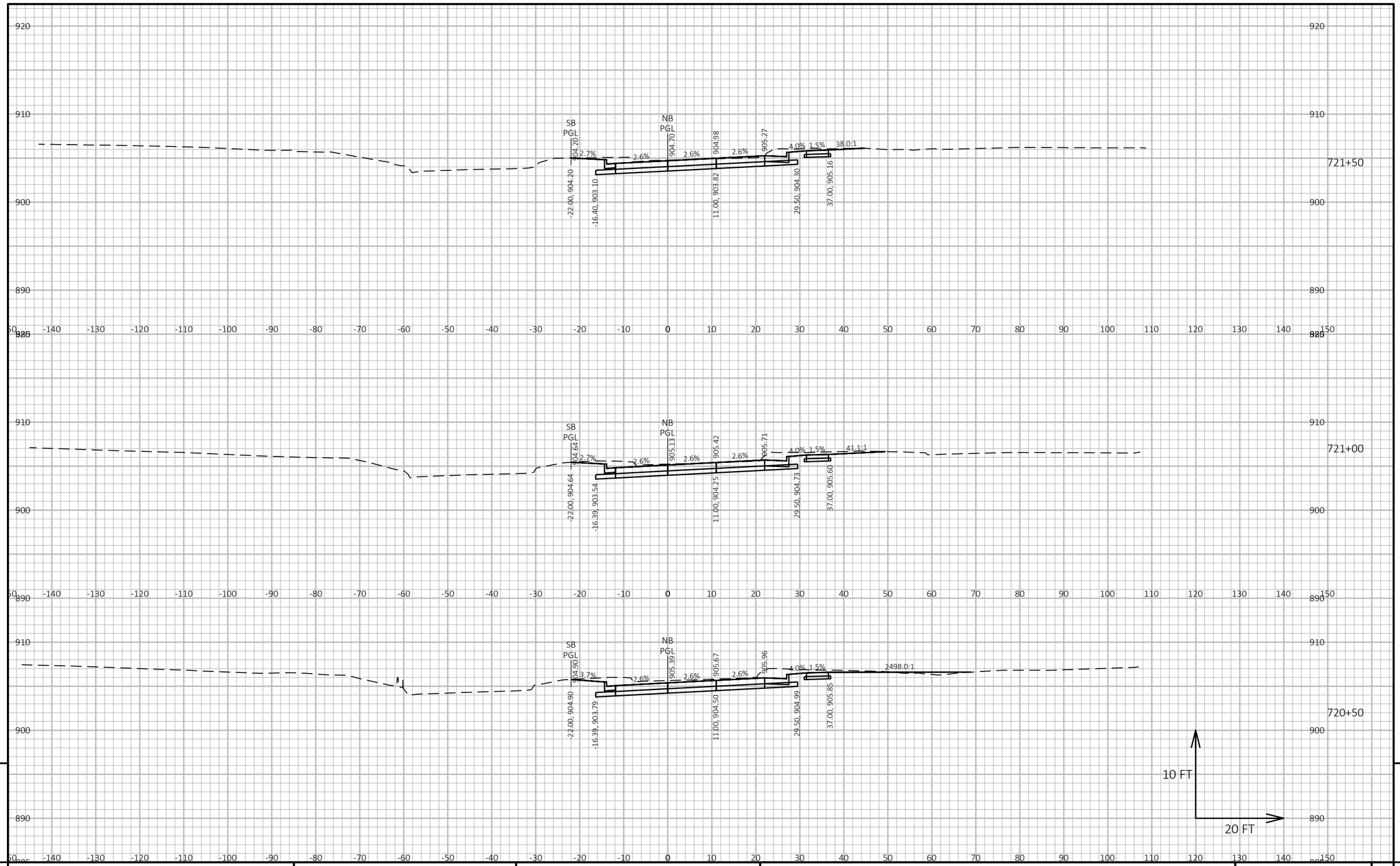
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PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	CROSS SECTIONS: TRAFFIC CONTROL - POST-STAGE 1	SHEET 1130	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\SINGLE LET_ALL IDS\090202_XS_SUMMER_S1.DWG
LAYOUT NAME - 45

PLOT DATE : 2/12/2026 11:59 AM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

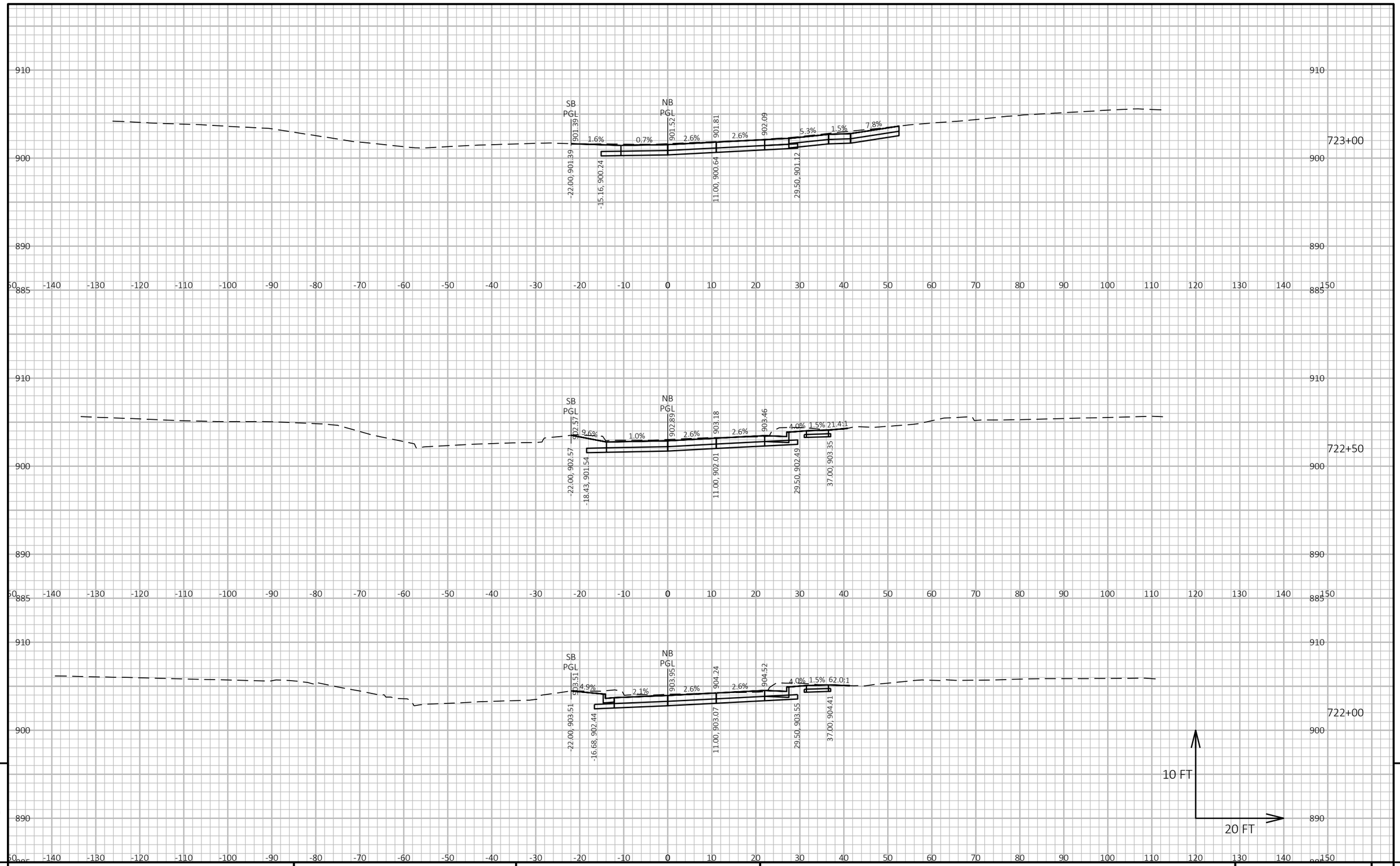


PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	CROSS SECTIONS: TRAFFIC CONTROL - POST-STAGE 1	SHEET 1131	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\SINGLE LET_ALL IDS\090202_XS_SUMMER_S1.DWG
LAYOUT NAME - 46

PLOT DATE : 2/12/2026 11:59 AM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

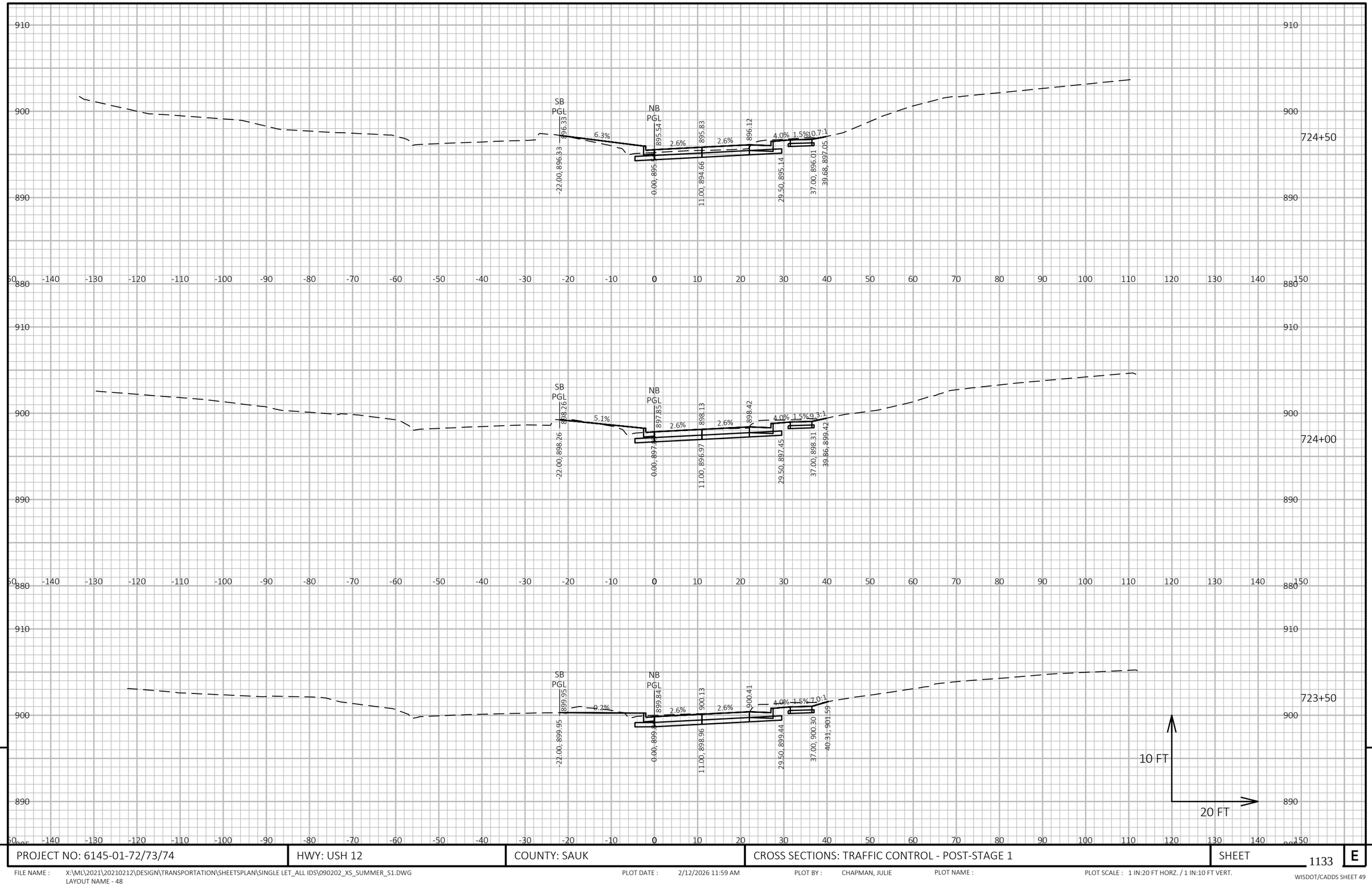
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PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	CROSS SECTIONS: TRAFFIC CONTROL - POST-STAGE 1	SHEET 1132	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\SINGLE LET_ALL IDS\090202_XS_SUMMER_S1.DWG
LAYOUT NAME - 47

PLOT DATE : 2/12/2026 11:59 AM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

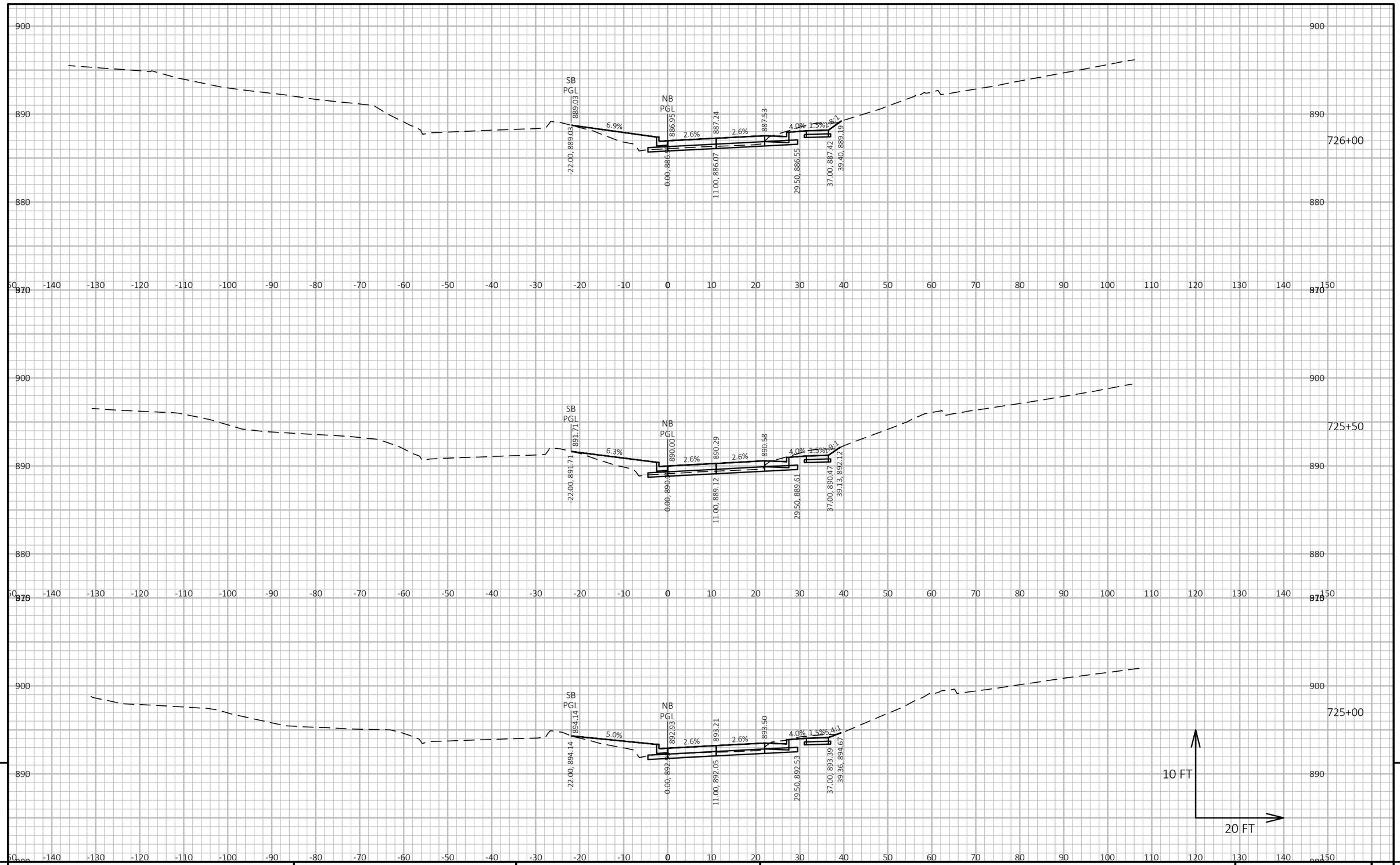
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PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	CROSS SECTIONS: TRAFFIC CONTROL - POST-STAGE 1	SHEET 1133	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\SINGLE LET_ALL IDS\090202_XS_SUMMER_S1.DWG
LAYOUT NAME - 48

PLOT DATE : 2/12/2026 11:59 AM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

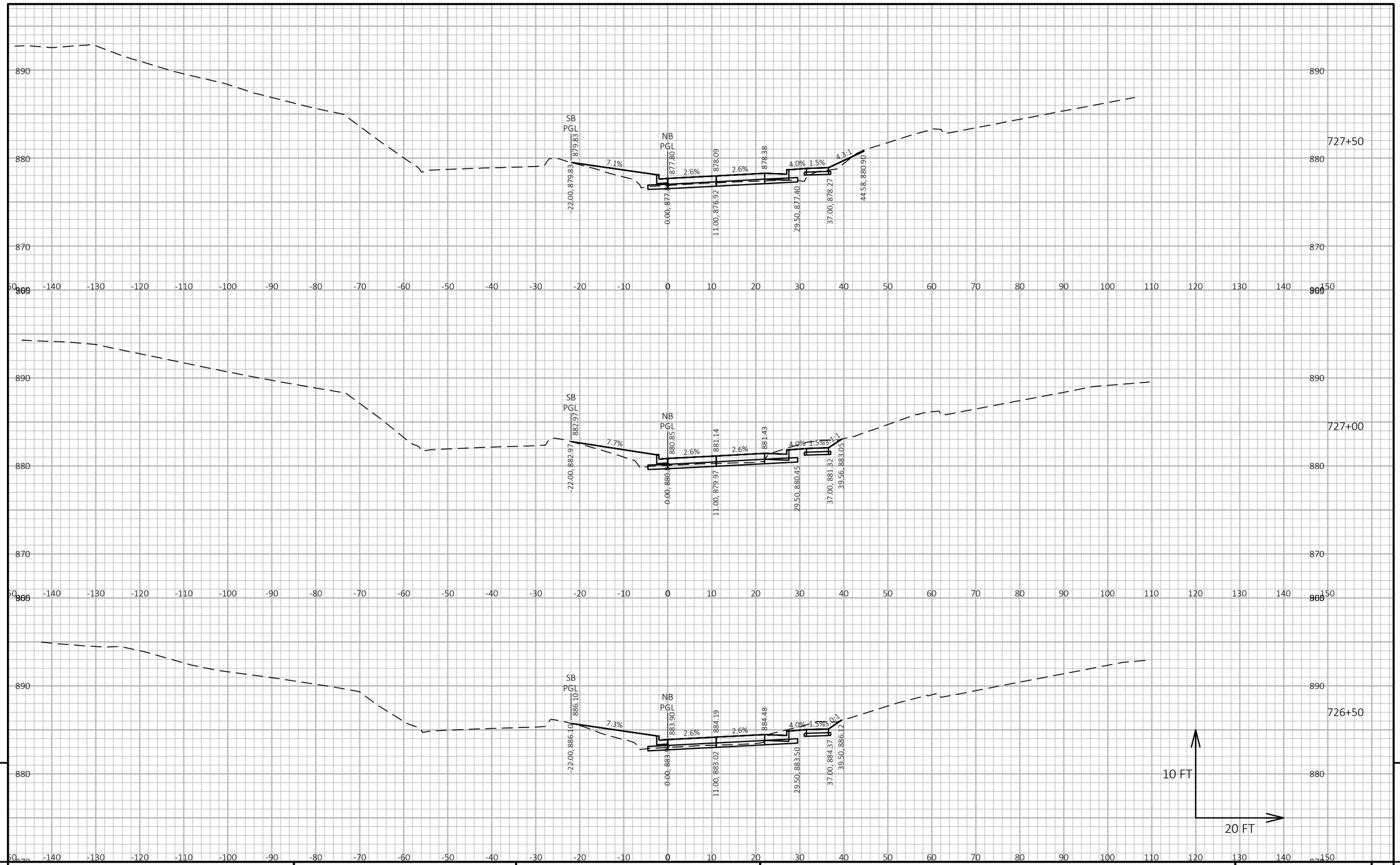
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PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	CROSS SECTIONS: TRAFFIC CONTROL - POST-STAGE 1	SHEET 1134	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\SINGLE LET_ALL IDS\090202_XS_SUMMER_S1.DWG
LAYOUT NAME - 49

PLOT DATE : 2/12/2026 11:59 AM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

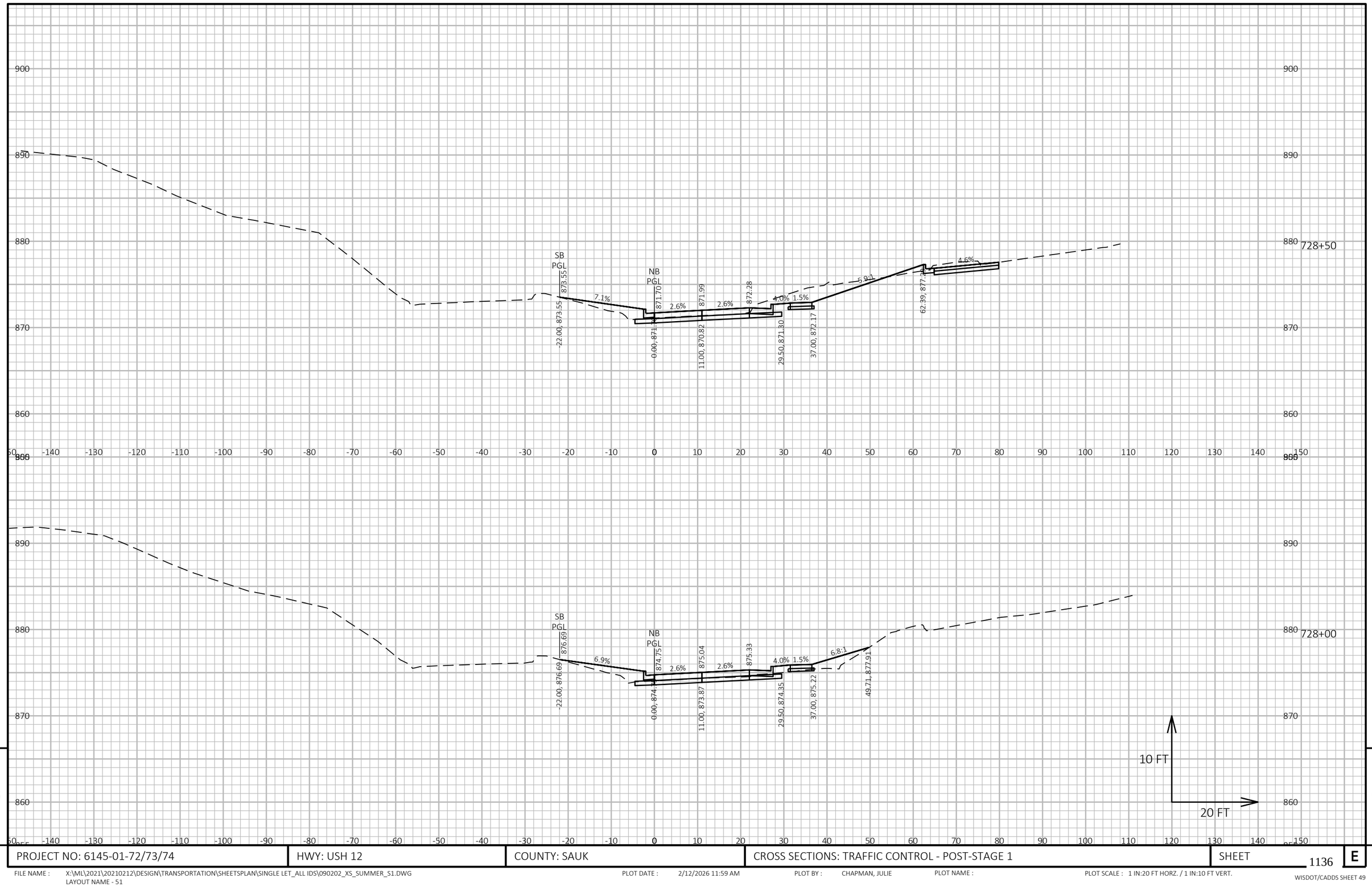
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PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	CROSS SECTIONS: TRAFFIC CONTROL - POST-STAGE 1	SHEET 1135	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\SINGLE LET_ALL IDS\090202_XS_SUMMER_S1.DWG
LAYOUT NAME - 50

PLOT DATE : 2/12/2026 11:59 AM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

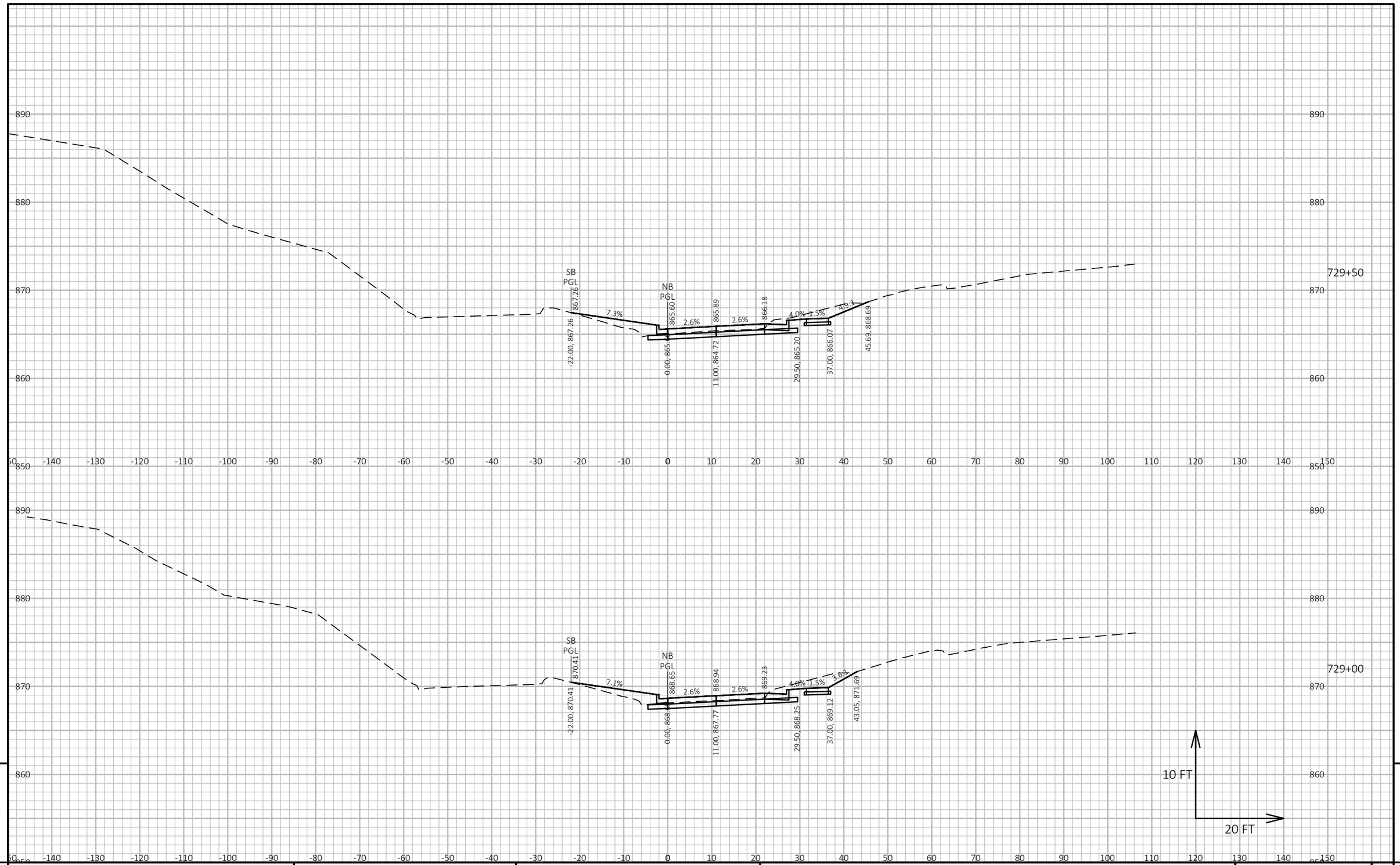


PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	CROSS SECTIONS: TRAFFIC CONTROL - POST-STAGE 1	SHEET 1136	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\SINGLE LET_ALL IDS\090202_XS_SUMMER_S1.DWG
LAYOUT NAME - 51

PLOT DATE : 2/12/2026 11:59 AM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

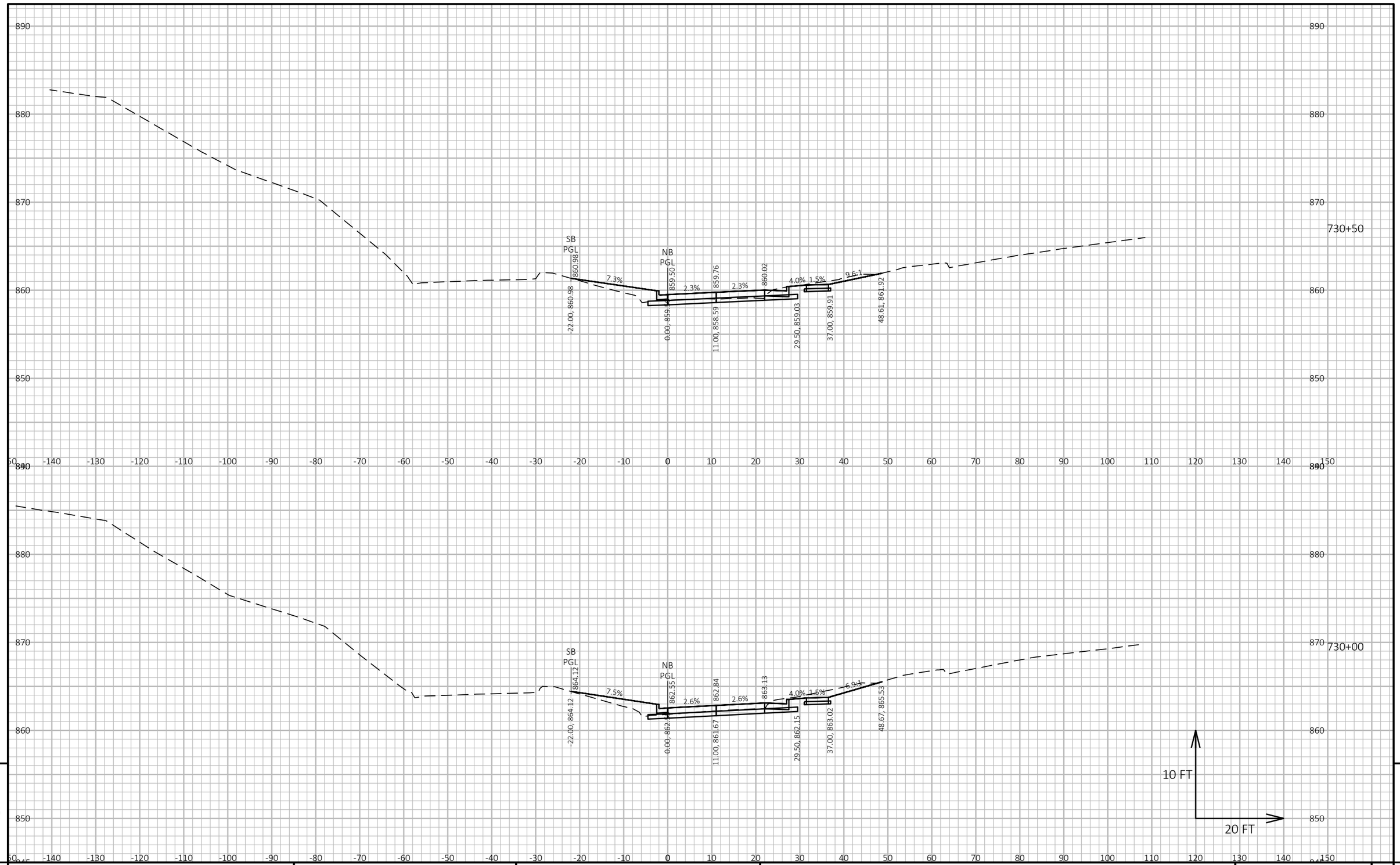
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PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	CROSS SECTIONS: TRAFFIC CONTROL - POST-STAGE 1	SHEET 1137	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\SINGLE LET_ALL IDS\090202_XS_SUMMER_S1.DWG
LAYOUT NAME - 52

PLOT DATE : 2/12/2026 11:59 AM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

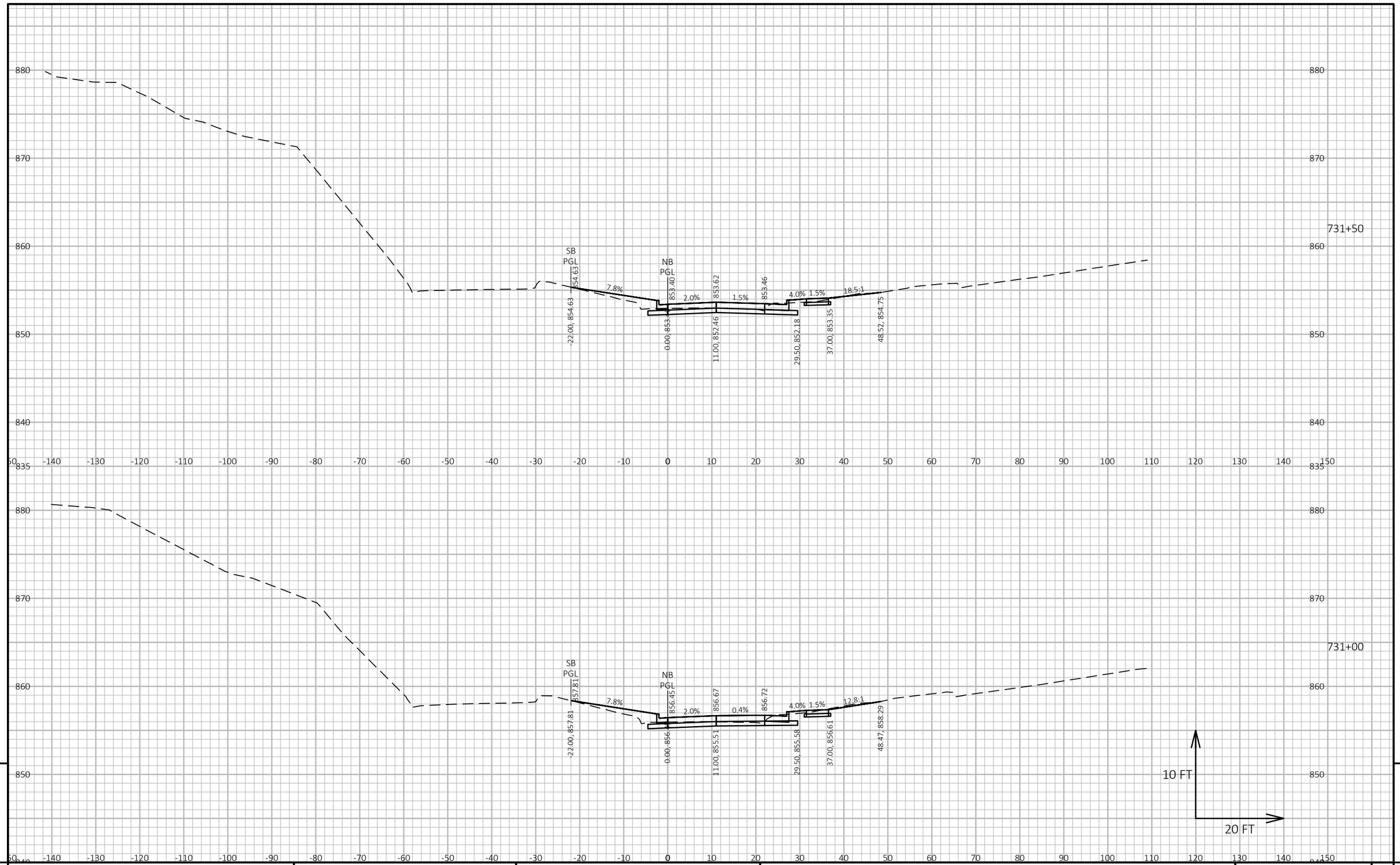


PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	CROSS SECTIONS: TRAFFIC CONTROL - POST-STAGE 1	SHEET 1138	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\SINGLE LET_ALL IDS\090202_XS_SUMMER_S1.DWG
LAYOUT NAME - 53

PLOT DATE : 2/12/2026 11:59 AM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

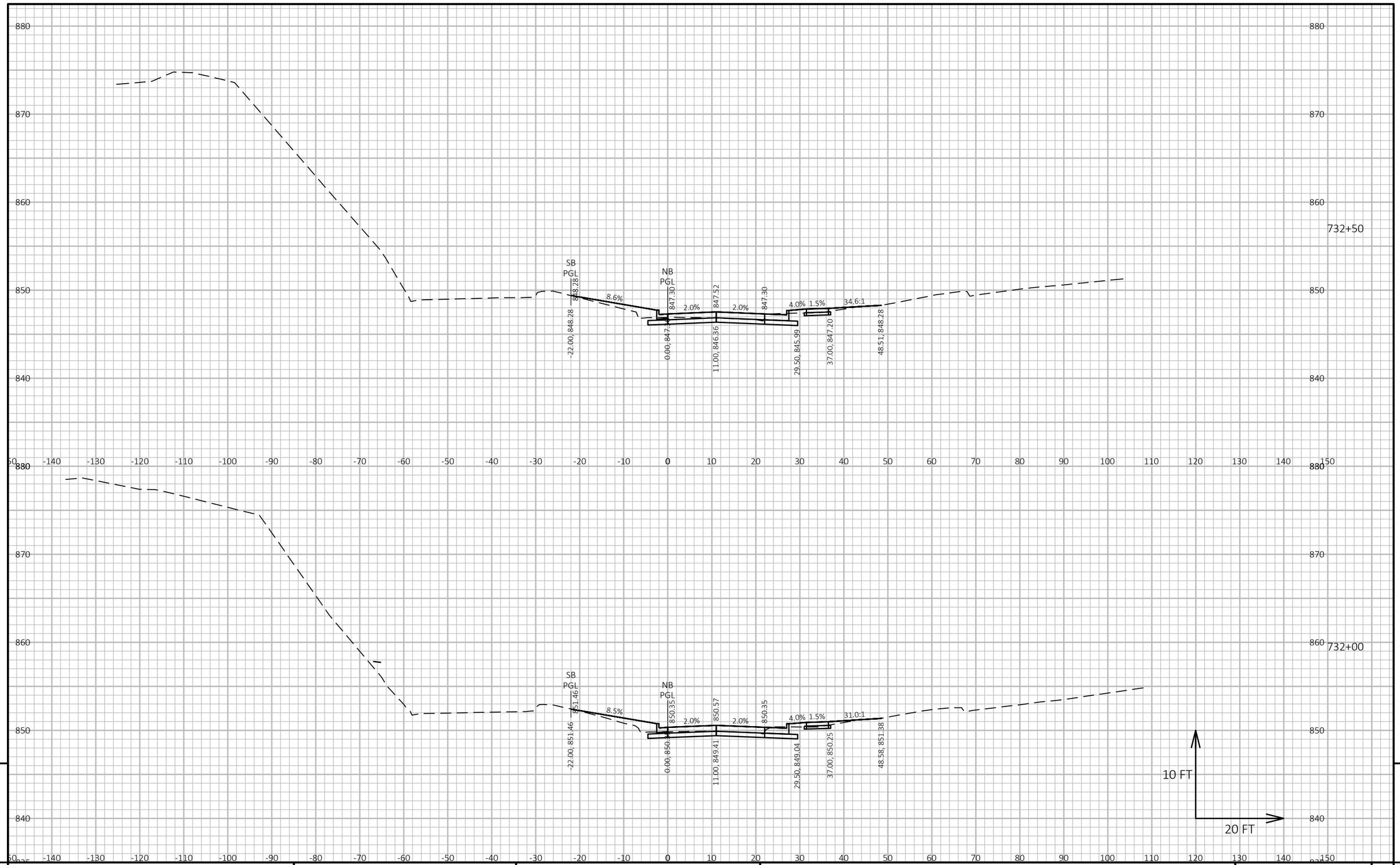


PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	CROSS SECTIONS: TRAFFIC CONTROL - POST-STAGE 1	SHEET 1139	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\SINGLE LET_ALL IDS\090202_XS_SUMMER_S1.DWG
LAYOUT NAME - 54

PLOT DATE : 2/12/2026 12:00 PM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

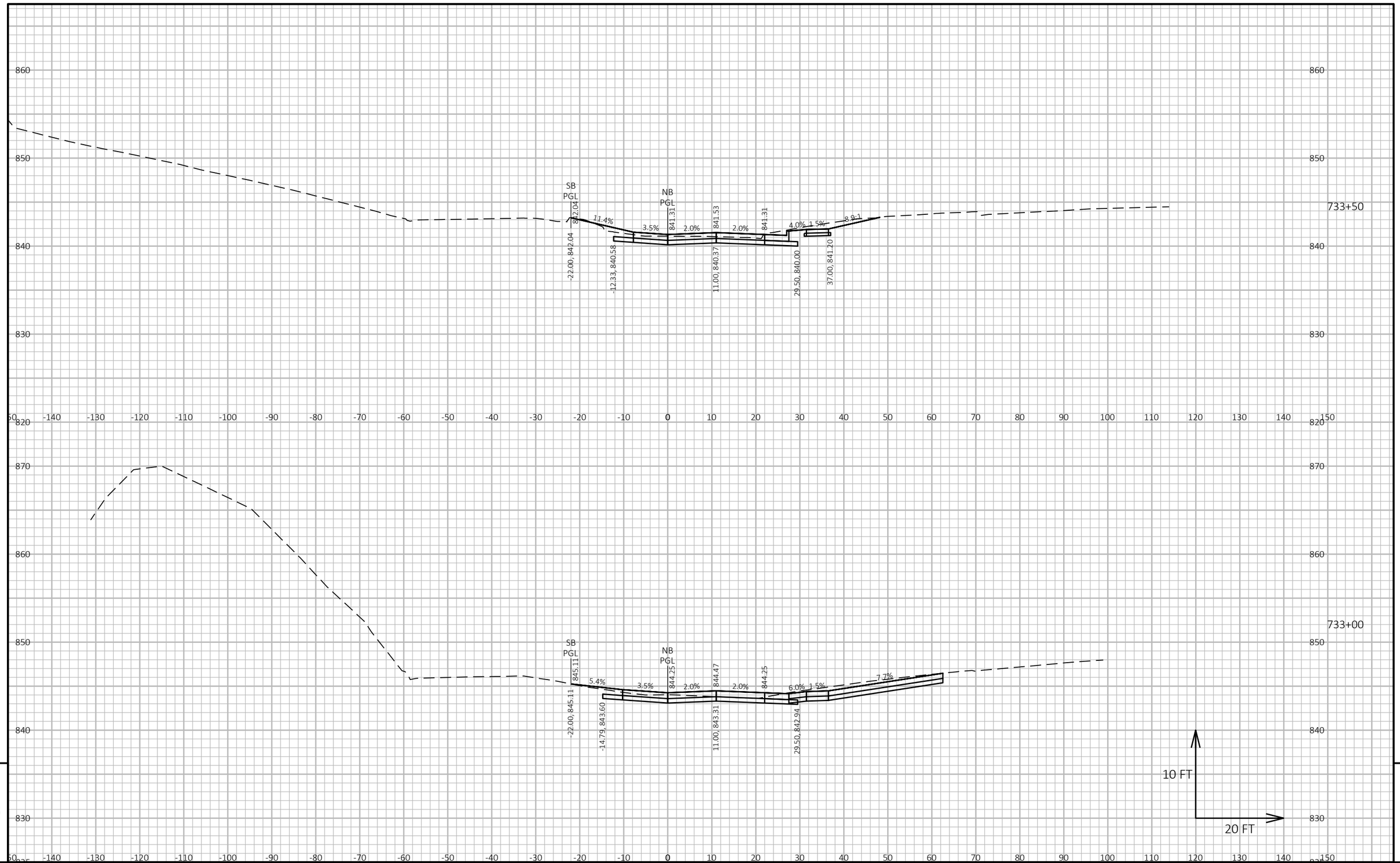


PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	CROSS SECTIONS: TRAFFIC CONTROL - POST-STAGE 1	SHEET 1140	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\SINGLE LET_ALL IDS\090202_XS_SUMMER_S1.DWG
LAYOUT NAME - 55

PLOT DATE : 2/12/2026 12:00 PM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

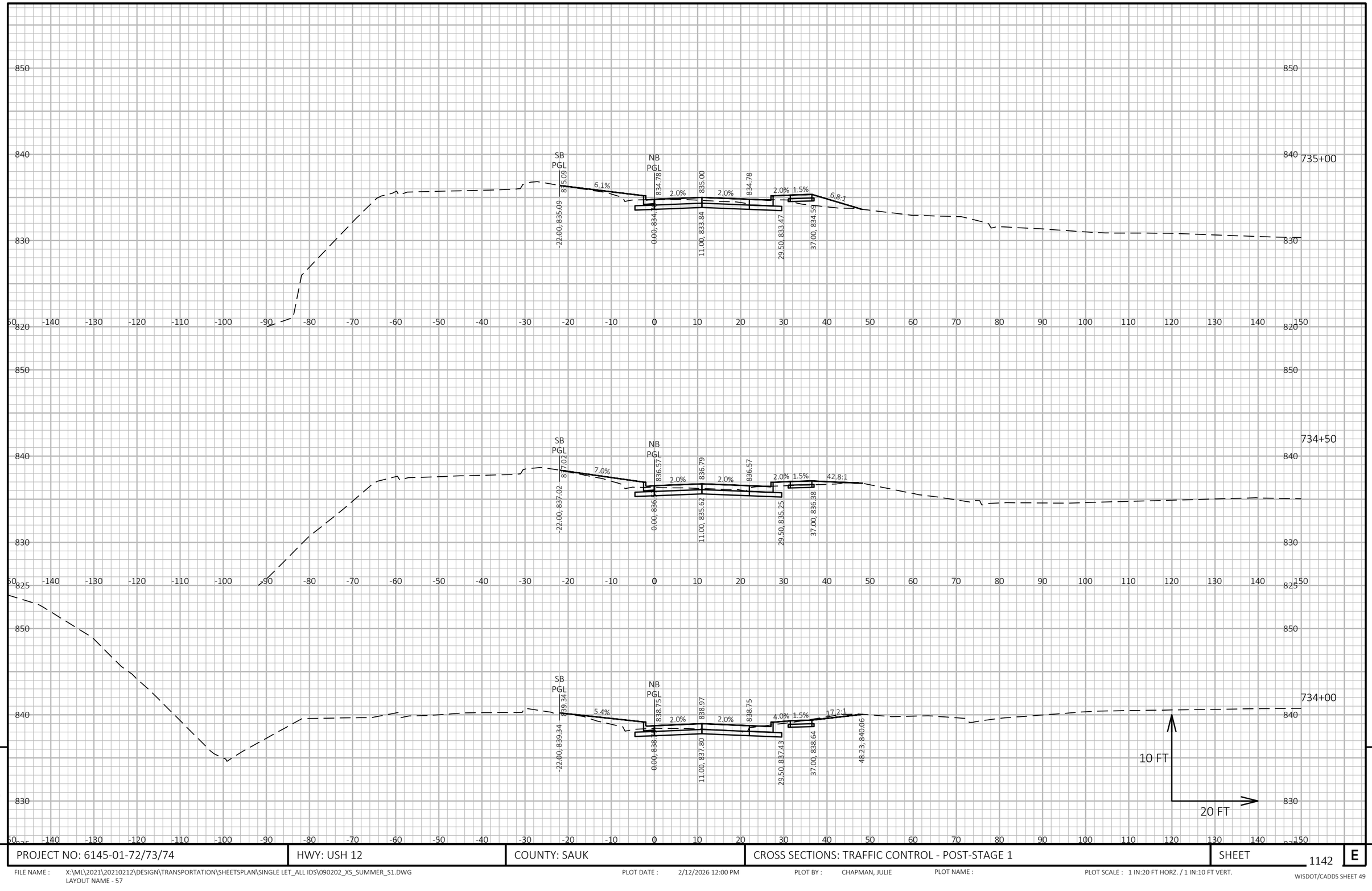


PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	CROSS SECTIONS: TRAFFIC CONTROL - POST-STAGE 1	SHEET 1141	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\SINGLE LET_ALL IDS\090202_XS_SUMMER_S1.DWG
LAYOUT NAME - 56

PLOT DATE : 2/12/2026 12:00 PM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	CROSS SECTIONS: TRAFFIC CONTROL - POST-STAGE 1	SHEET 1142 E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\SINGLE LET_ALL IDS\090202_XS_SUMMER_S1.DWG
LAYOUT NAME - 57

PLOT DATE : 2/12/2026 12:00 PM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

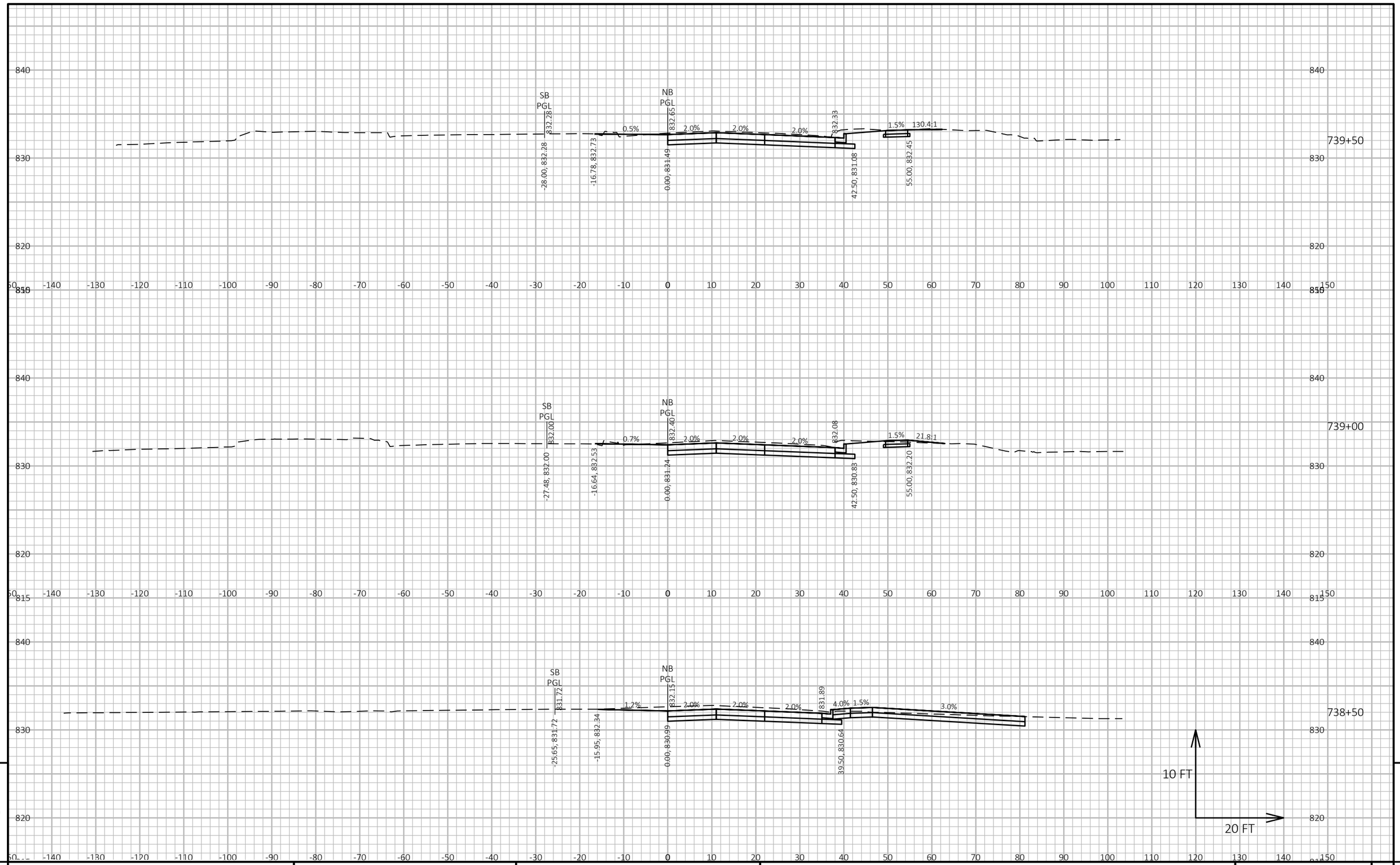
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PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	CROSS SECTIONS: TRAFFIC CONTROL - POST-STAGE 1	SHEET 1143	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\SINGLE LET_ALL IDS\090202_XS_SUMMER_S1.DWG
LAYOUT NAME - 59

PLOT DATE : 2/12/2026 12:00 PM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

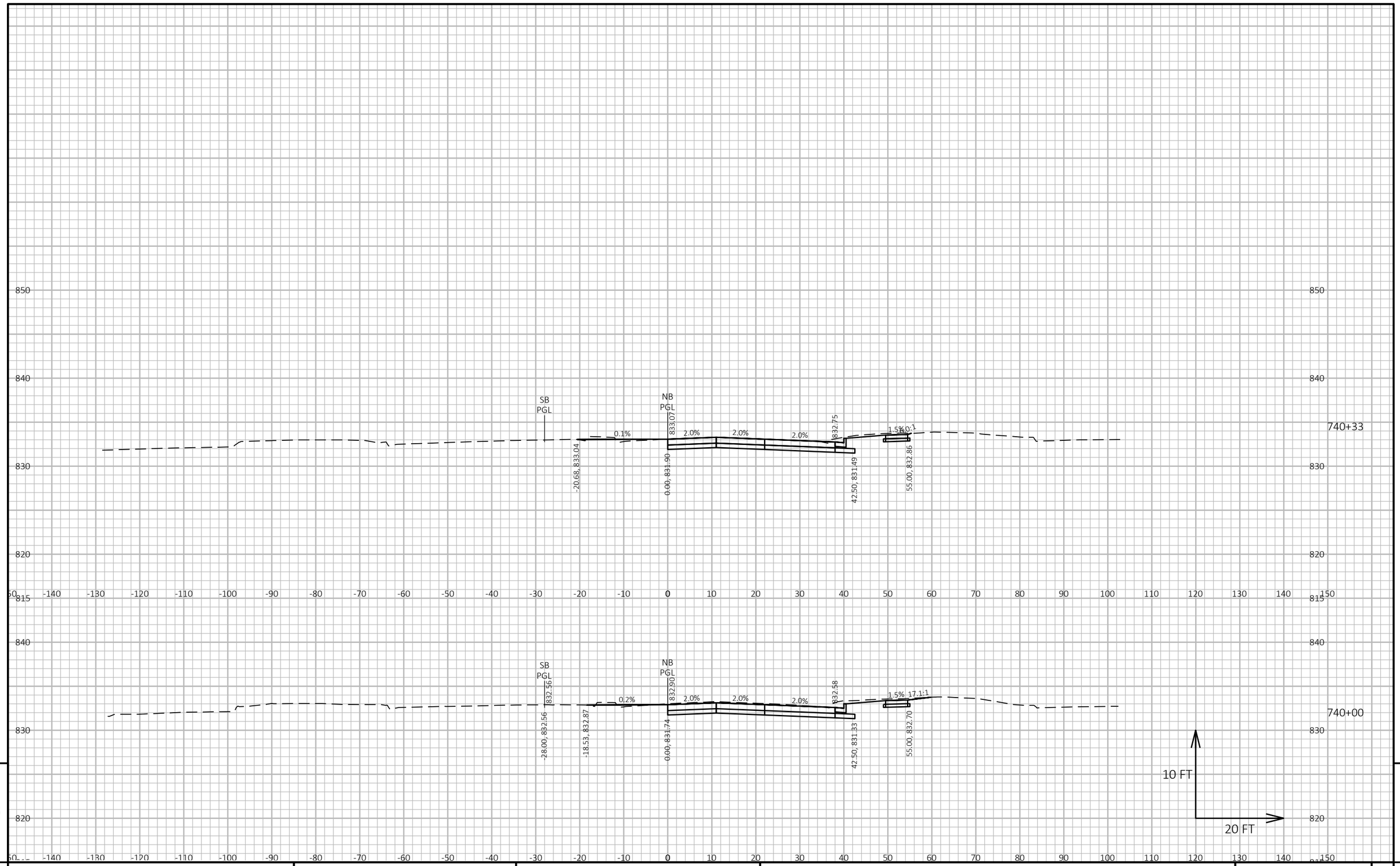


PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	CROSS SECTIONS: TRAFFIC CONTROL - POST-STAGE 1	SHEET 1144	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\SINGLE LET_ALL IDS\090202_XS_SUMMER_S1.DWG
LAYOUT NAME - 60

PLOT DATE : 2/12/2026 12:00 PM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

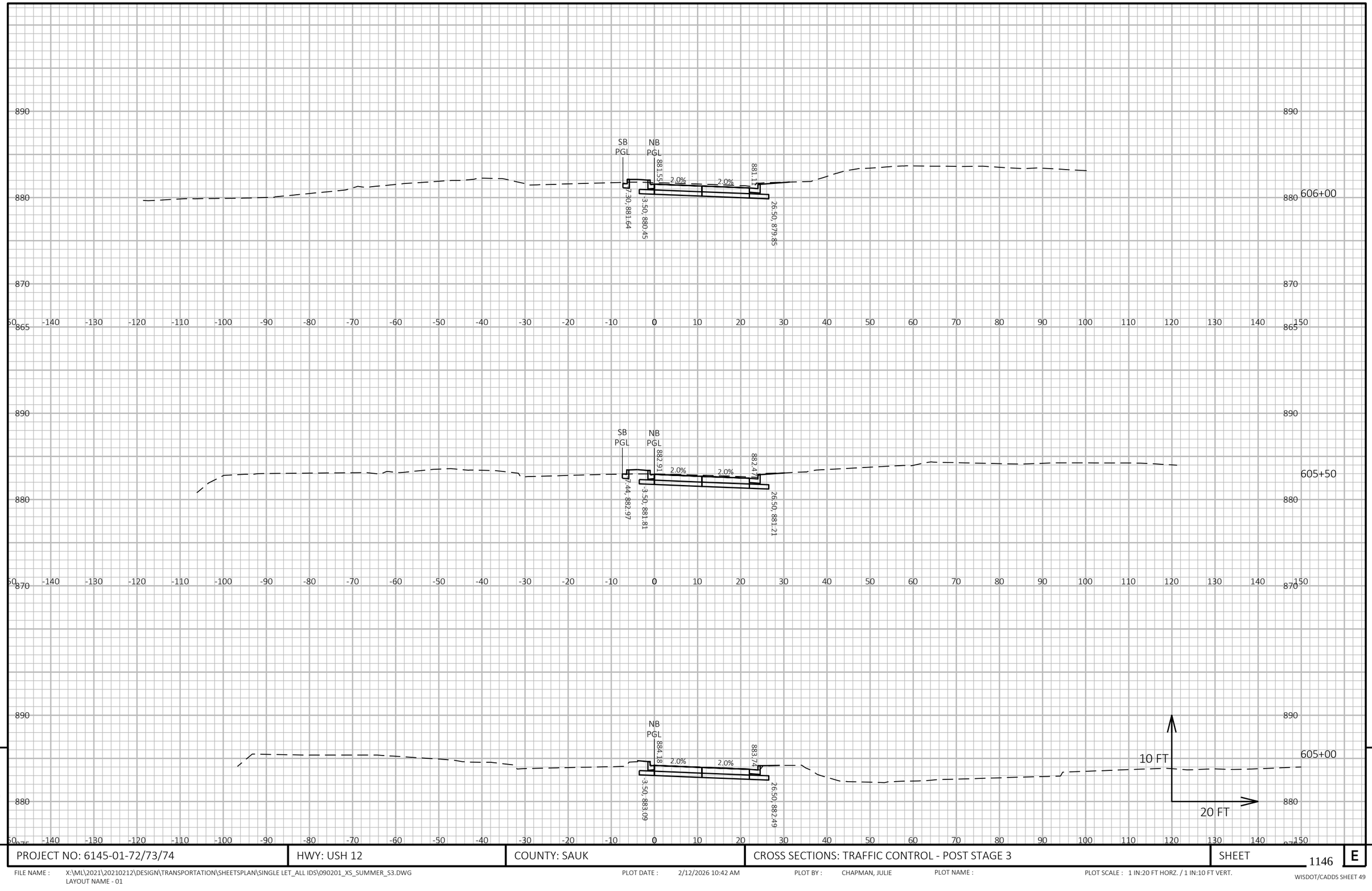
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PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	CROSS SECTIONS: TRAFFIC CONTROL - POST-STAGE 1	SHEET 1145	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\SINGLE LET_ALL IDS\090202_XS_SUMMER_S1.DWG
LAYOUT NAME - 61

PLOT DATE : 2/12/2026 12:00 PM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

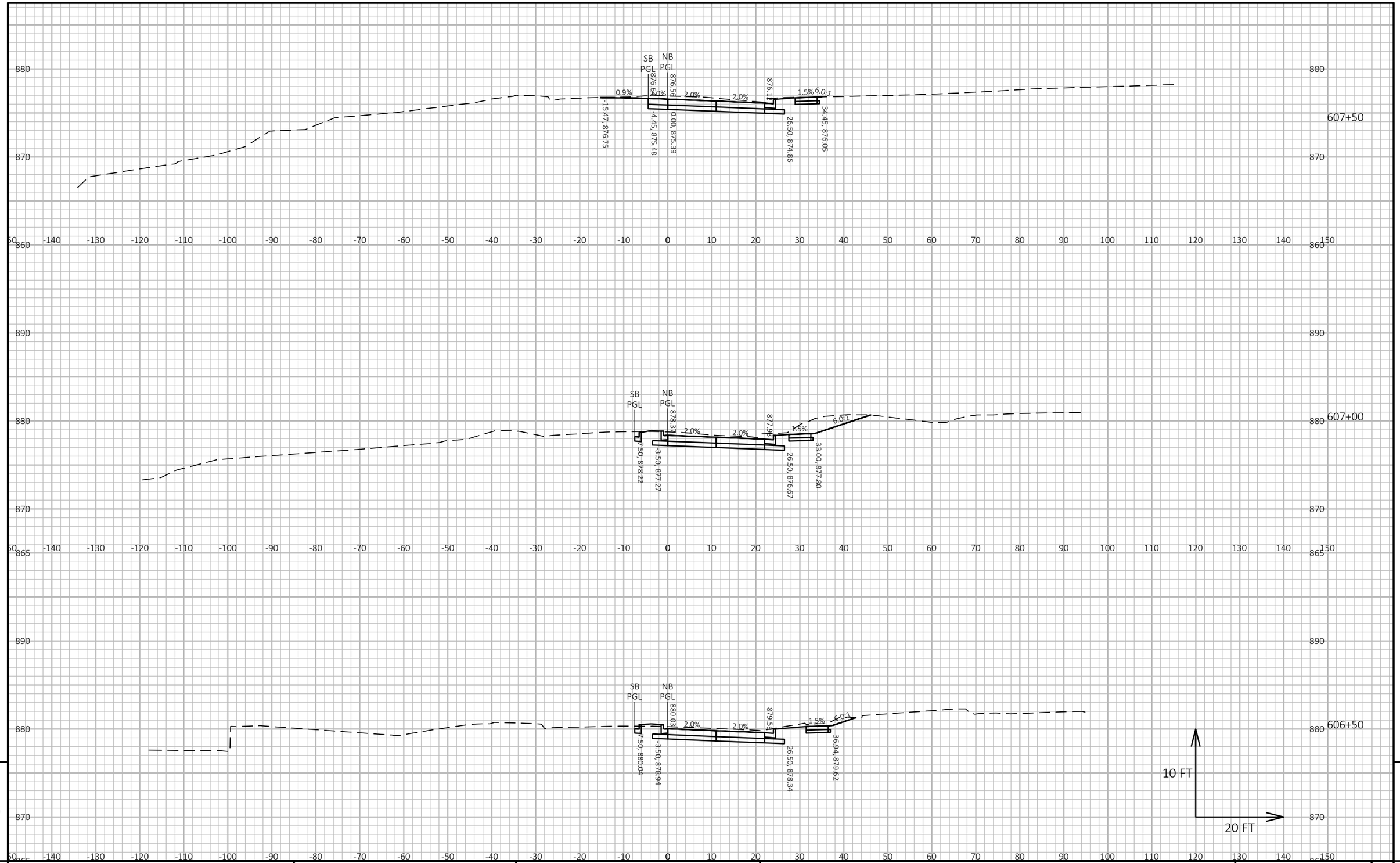
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PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	CROSS SECTIONS: TRAFFIC CONTROL - POST STAGE 3	SHEET 1146	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\SINGLE LET_ALL IDS\090201_XS_SUMMER_S3.DWG
LAYOUT NAME - 01

PLOT DATE : 2/12/2026 10:42 AM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

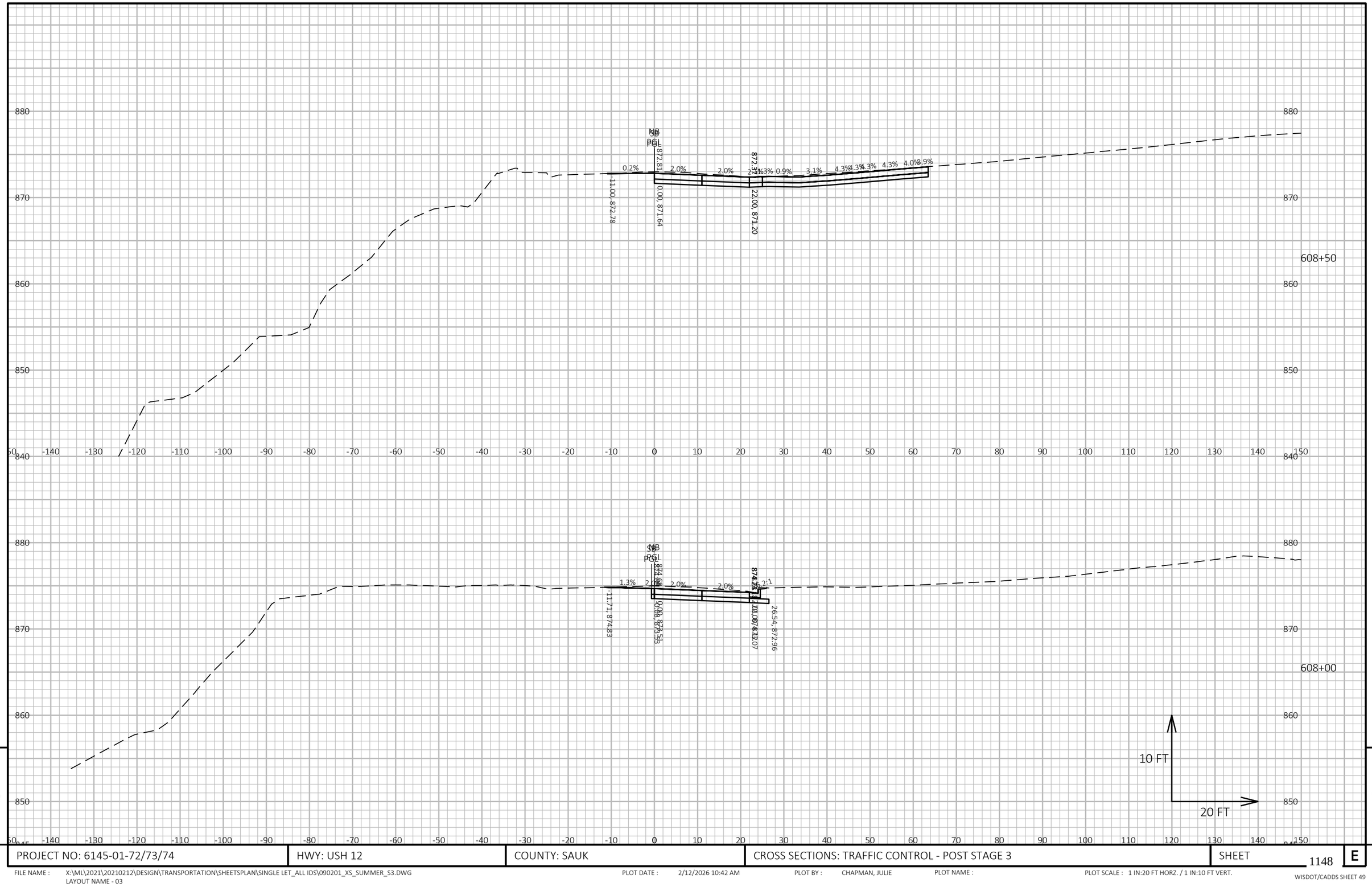


PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	CROSS SECTIONS: TRAFFIC CONTROL - POST STAGE 3	SHEET 1147	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\SINGLE LET_ALL IDS\090201_XS_SUMMER_S3.DWG
LAYOUT NAME - 02

PLOT DATE : 2/12/2026 10:42 AM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

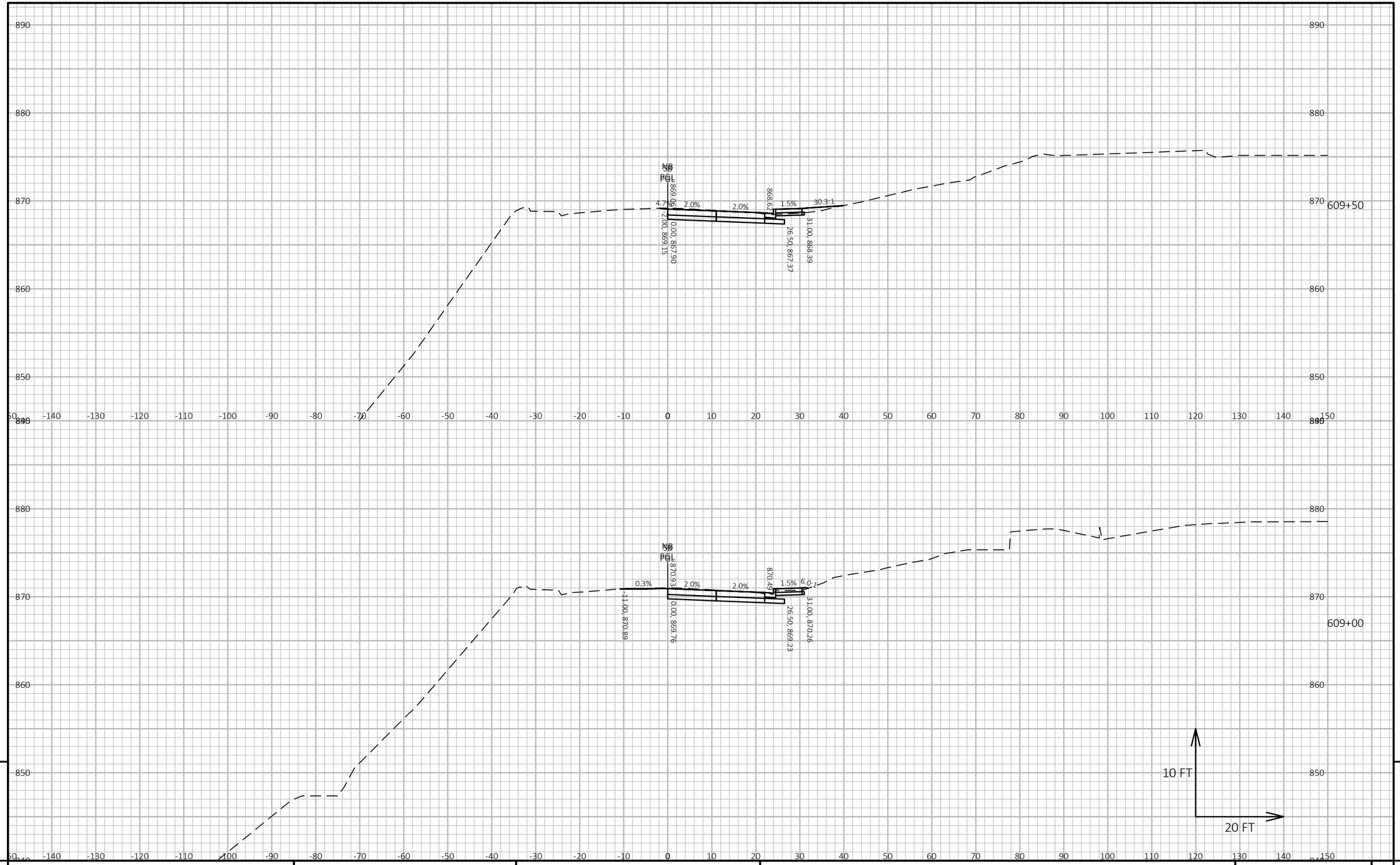


PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	CROSS SECTIONS: TRAFFIC CONTROL - POST STAGE 3	SHEET 1148	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\SINGLE LET_ALL IDS\090201_XS_SUMMER_S3.DWG
LAYOUT NAME - 03

PLOT DATE : 2/12/2026 10:42 AM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

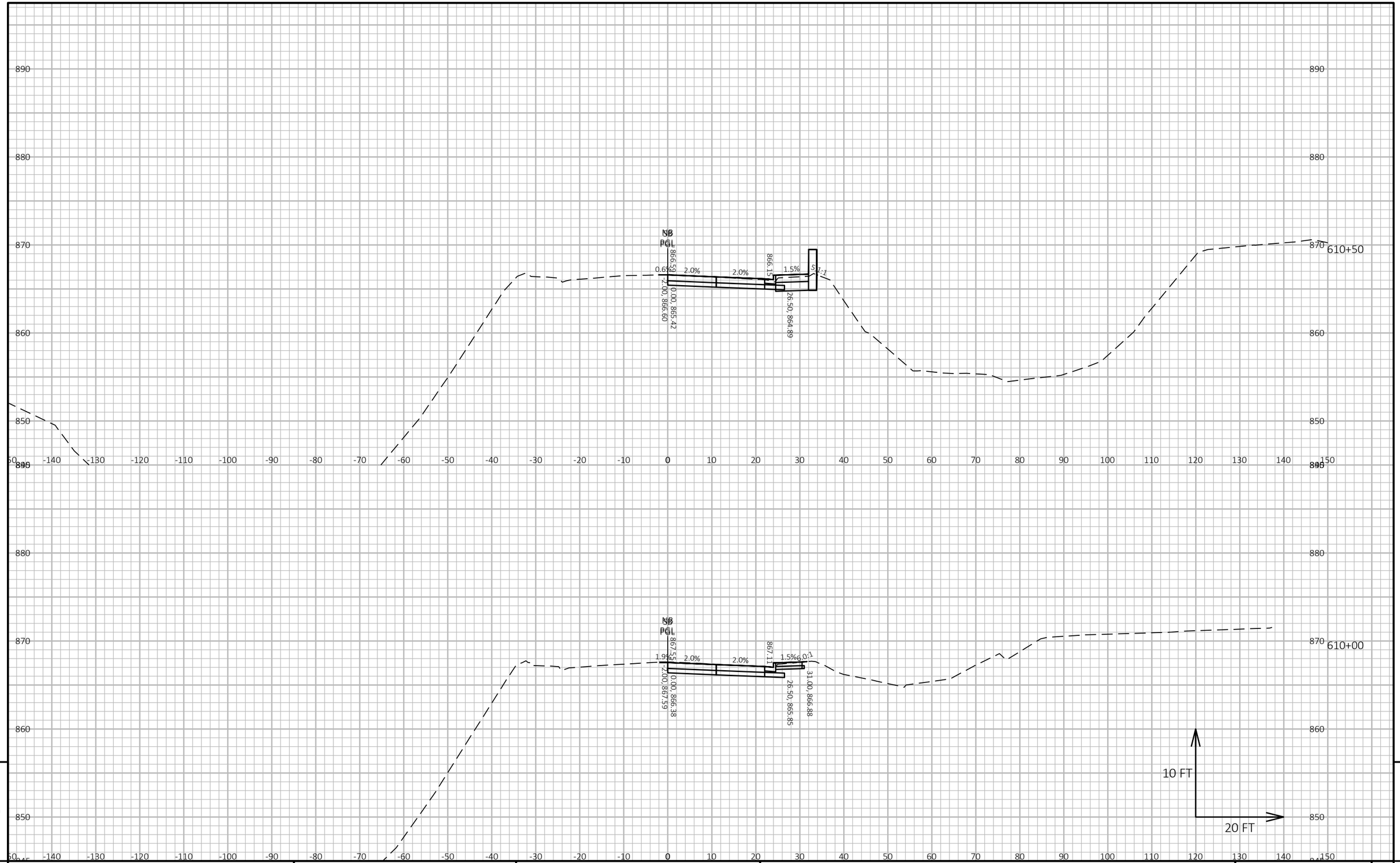
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PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	CROSS SECTIONS: TRAFFIC CONTROL - POST STAGE 3	SHEET 1149	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\SINGLE LET_ALL IDS\090201_XS_SUMMER_S3.DWG
LAYOUT NAME - 04

PLOT DATE : 2/12/2026 10:43 AM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

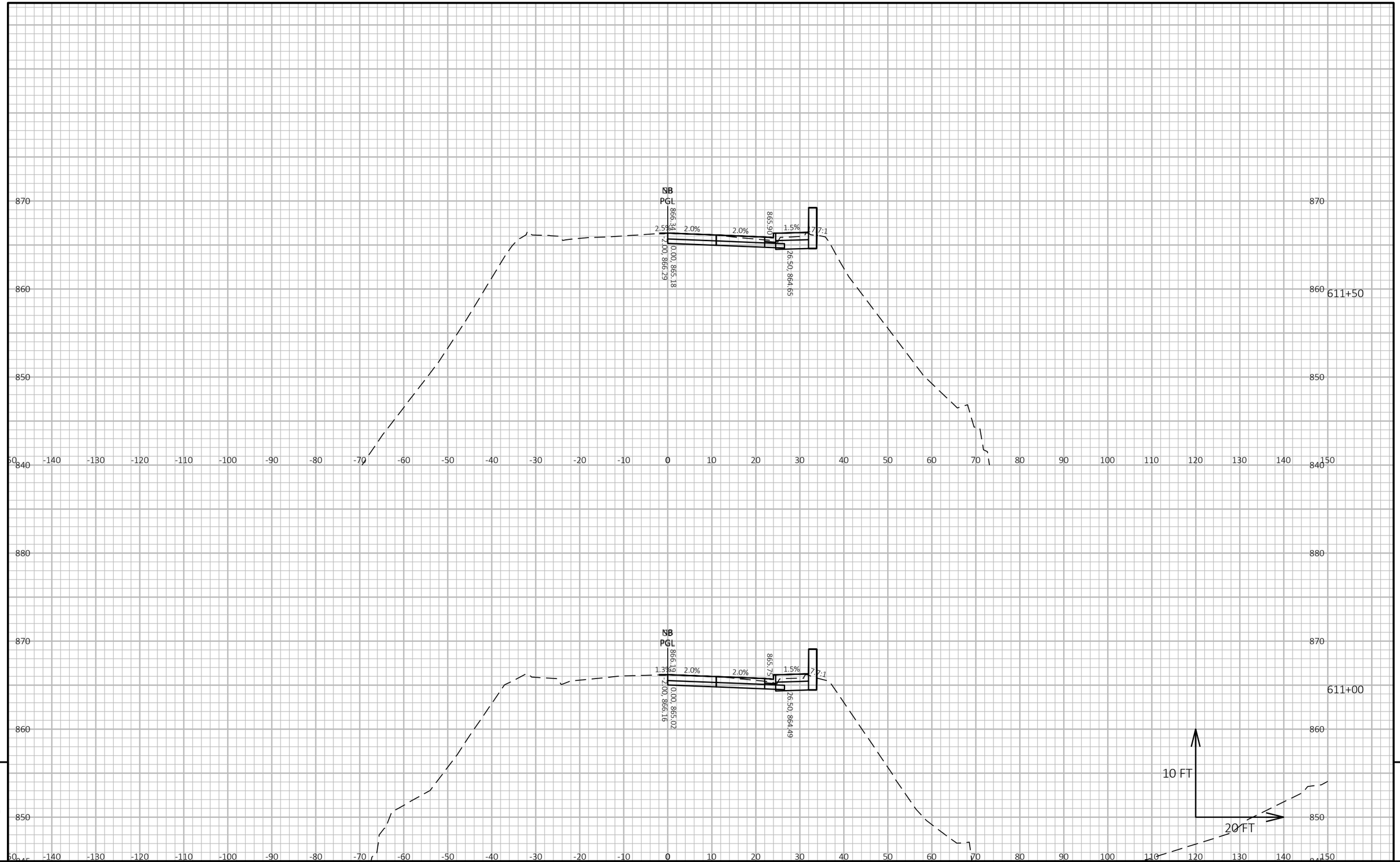


PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	CROSS SECTIONS: TRAFFIC CONTROL - POST STAGE 3	SHEET 1150	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\SINGLE LET_ALL IDS\090201_XS_SUMMER_S3.DWG
LAYOUT NAME - 05

PLOT DATE : 2/12/2026 10:43 AM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

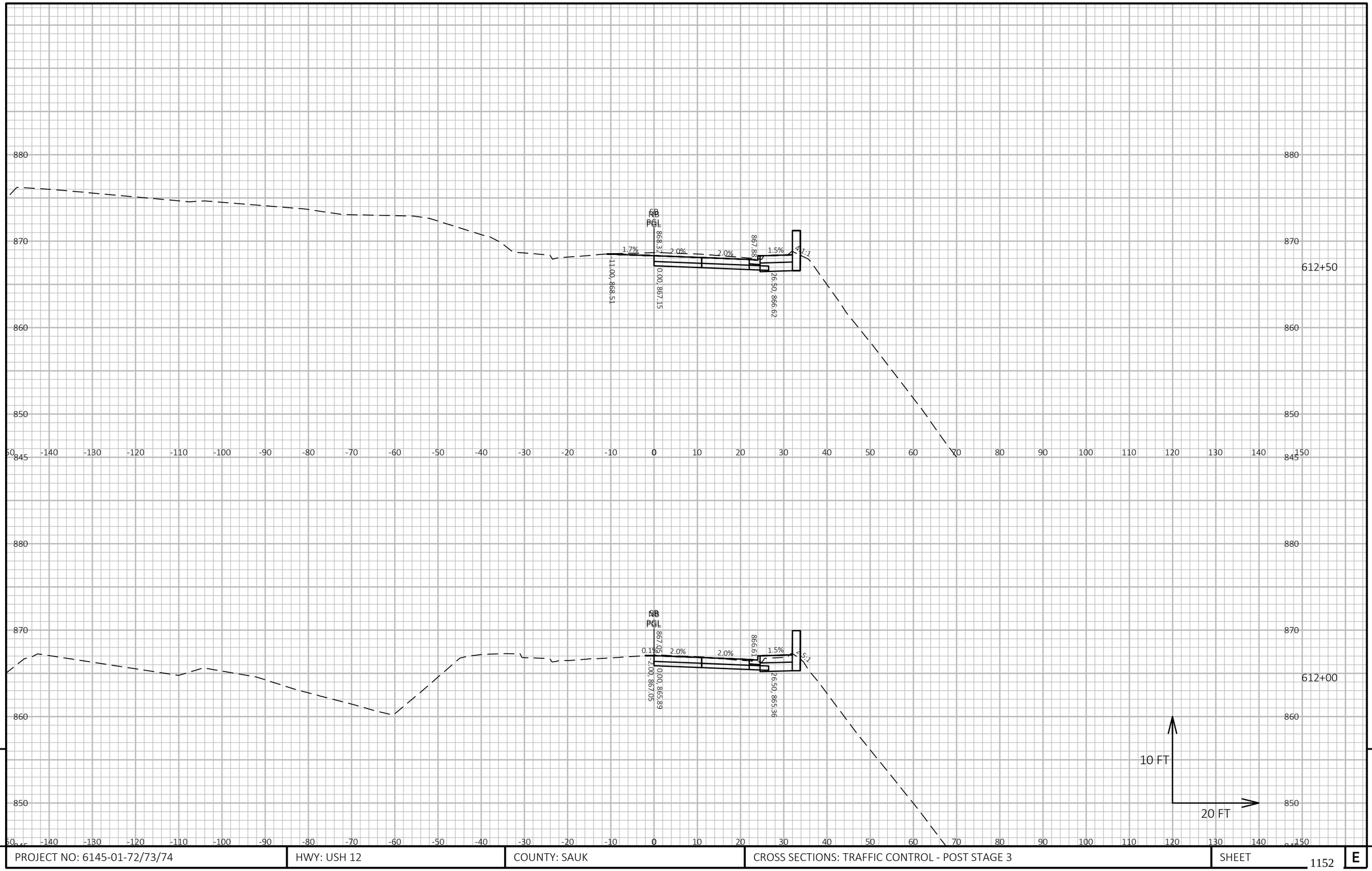


PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	CROSS SECTIONS: TRAFFIC CONTROL - POST STAGE 3	SHEET 1151	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\SINGLE LET_ALL IDS\090201_XS_SUMMER_S3.DWG
LAYOUT NAME - 06

PLOT DATE : 2/12/2026 10:43 AM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	CROSS SECTIONS: TRAFFIC CONTROL - POST STAGE 3	SHEET 1152	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\SINGLE LET_ALL IDS\090201_XS_SUMMER_S3.DWG
LAYOUT NAME - 07

PLOT DATE : 2/12/2026 10:43 AM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	CROSS SECTIONS: TRAFFIC CONTROL - POST STAGE 3	SHEET 1153 E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\SINGLE LET_ALL IDS\090201_XS_SUMMER_S3.DWG
LAYOUT NAME - 08

PLOT DATE : 2/12/2026 10:43 AM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

615+00

SB PGL

NB PGL

2.2% 2.0% 2.0% 2.0% 1.5% 1.5% 6.0:1

-14.04, 878.27

0.00, 876.80

25.50, 876.29

33.00, 877.38

614+50

SB PGL

NB PGL

3.3% 2.0% 2.0% 2.0% 1.5% 1.5% 6.0:1

-12.28, 876.40

0.00, 874.84

25.50, 874.33

33.00, 875.42

614+00

SB NB PGL

3.4% 2.0% 2.0% 1.5% 1.5% 6.0:1

-11.00, 874.42

0.00, 872.88

26.50, 872.35

32.00, 873.38

10 FT

20 FT

9

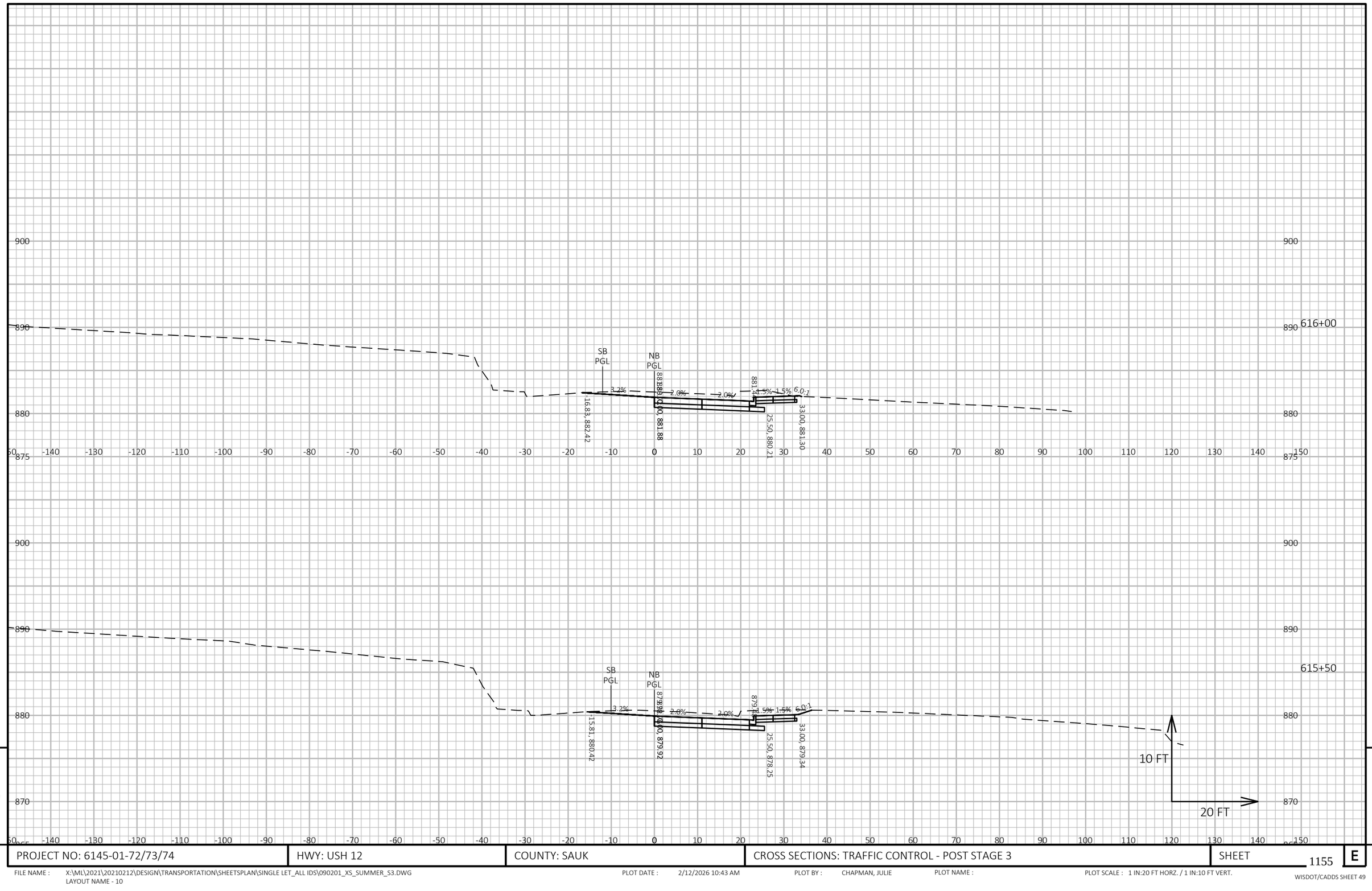
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PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	CROSS SECTIONS: TRAFFIC CONTROL - POST STAGE 3	SHEET 1154	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\SINGLE LET_ALL IDS\090201_XS_SUMMER_S3.DWG
LAYOUT NAME - 09

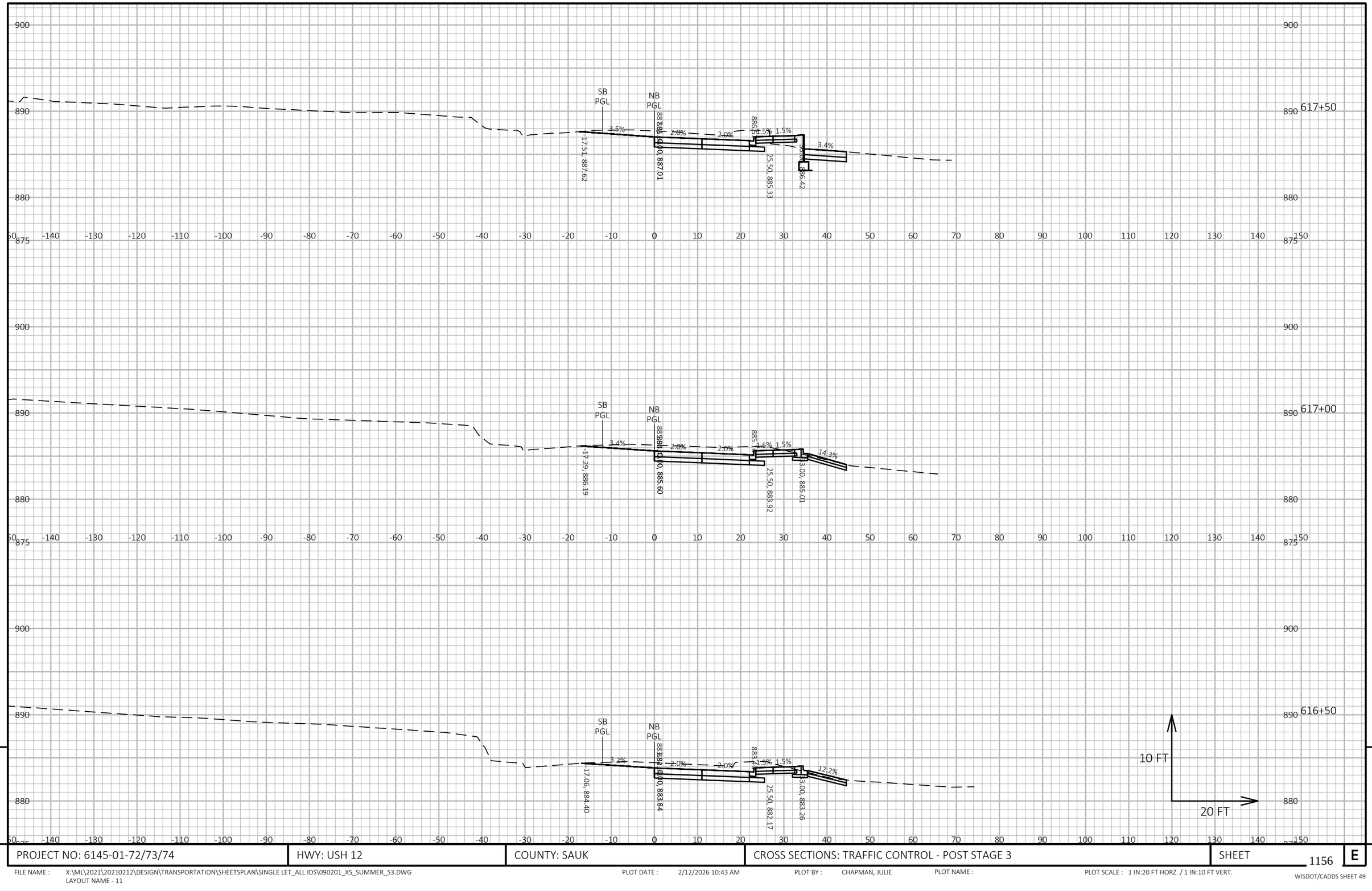
PLOT DATE : 2/12/2026 10:43 AM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	CROSS SECTIONS: TRAFFIC CONTROL - POST STAGE 3	SHEET 1155	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\SINGLE LET_ALL IDS\090201_XS_SUMMER_S3.DWG
LAYOUT NAME - 10
PLOT DATE : 2/12/2026 10:43 AM
PLOT BY : CHAPMAN, JULIE
PLOT NAME :
PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.
WISDOT/CADDS SHEET 49

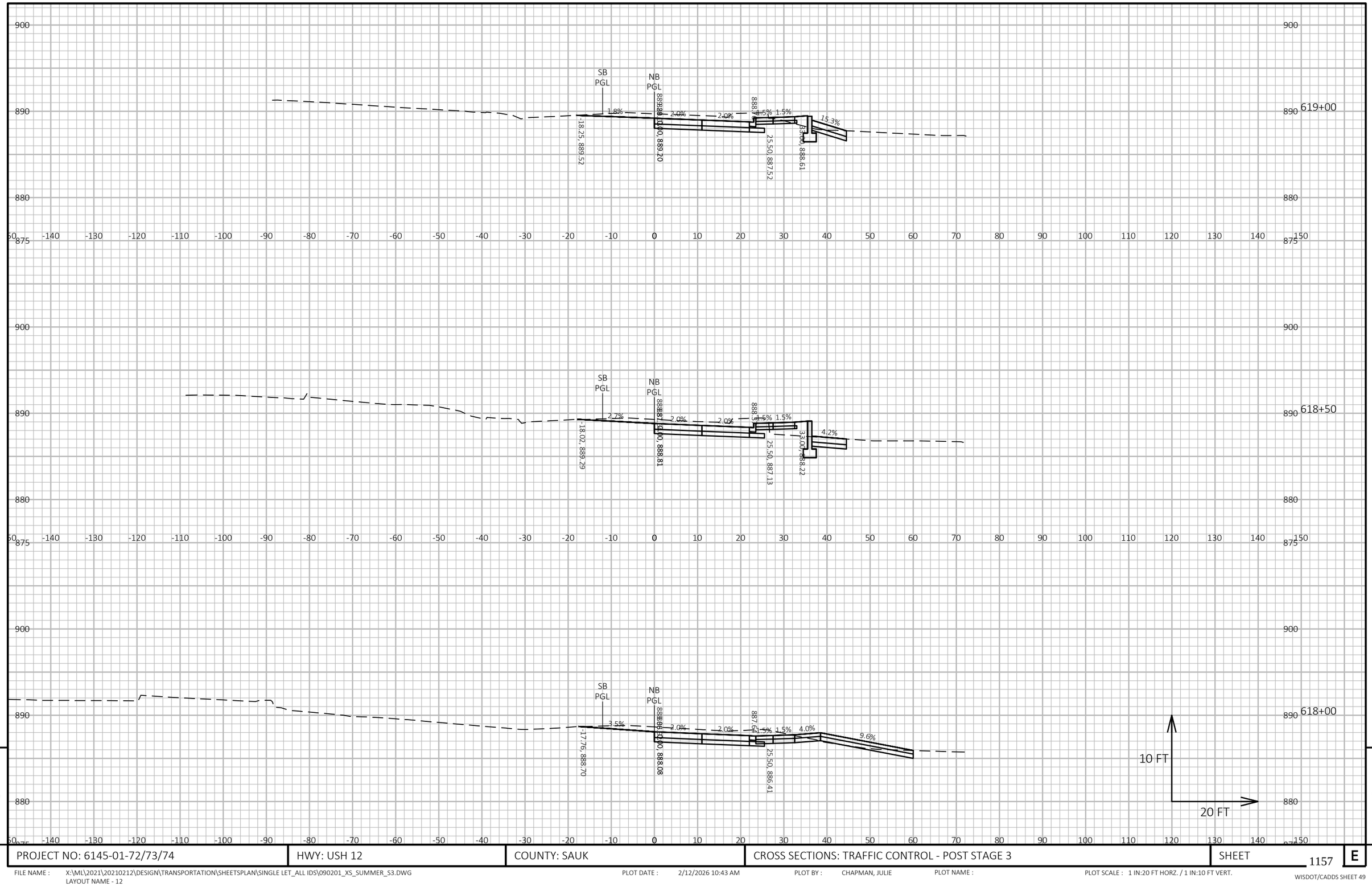


PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	CROSS SECTIONS: TRAFFIC CONTROL - POST STAGE 3	SHEET 1156 E

FILE NAME : X:\MIL\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\SINGLE LET_ALL IDS\090201_XS_SUMMER_S3.DWG
LAYOUT NAME - 11

PLOT DATE : 2/12/2026 10:43 AM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

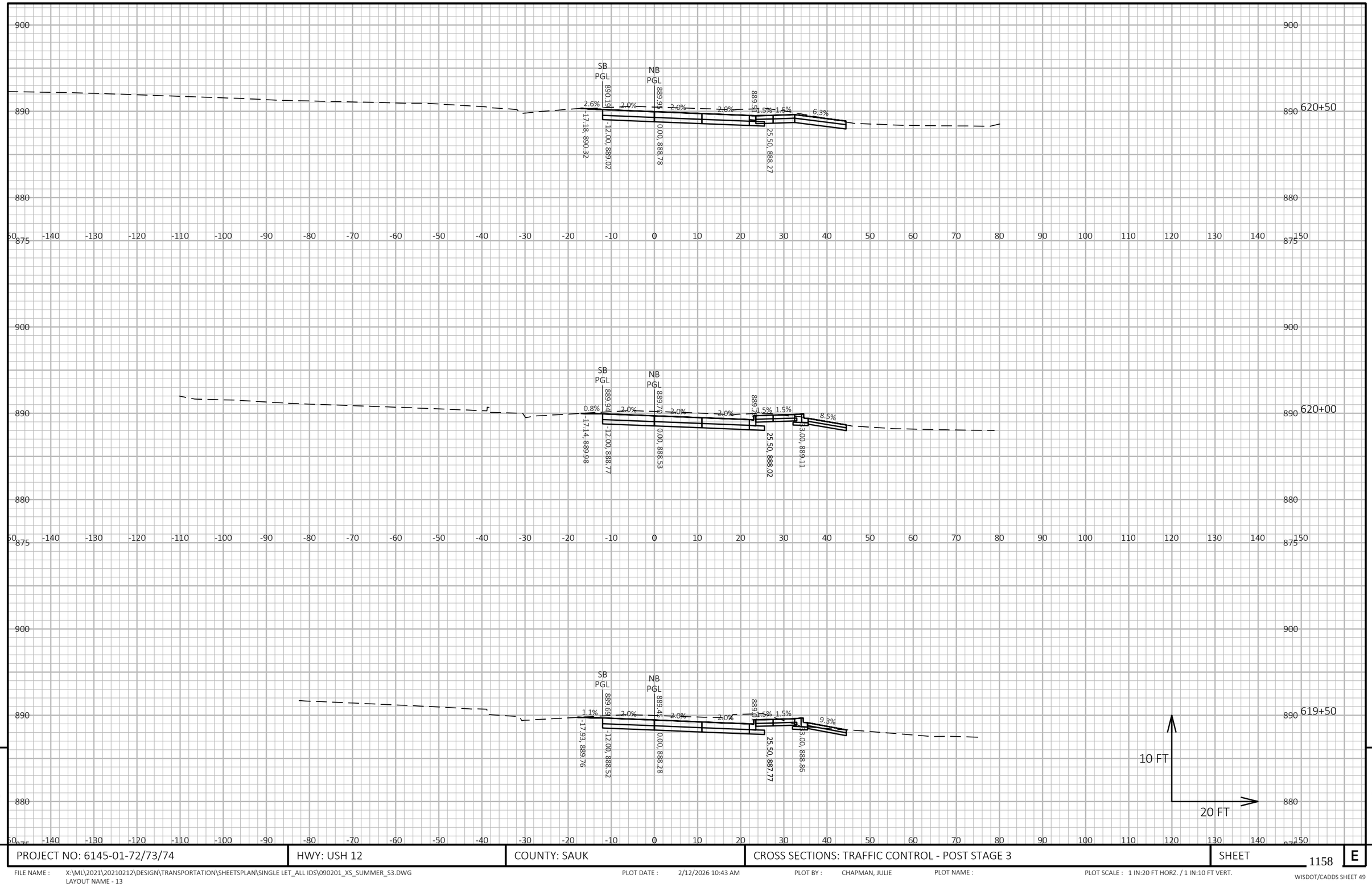


PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	CROSS SECTIONS: TRAFFIC CONTROL - POST STAGE 3	SHEET 1157 E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\SINGLE LET_ALL IDS\090201_XS_SUMMER_S3.DWG
LAYOUT NAME - 12

PLOT DATE : 2/12/2026 10:43 AM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



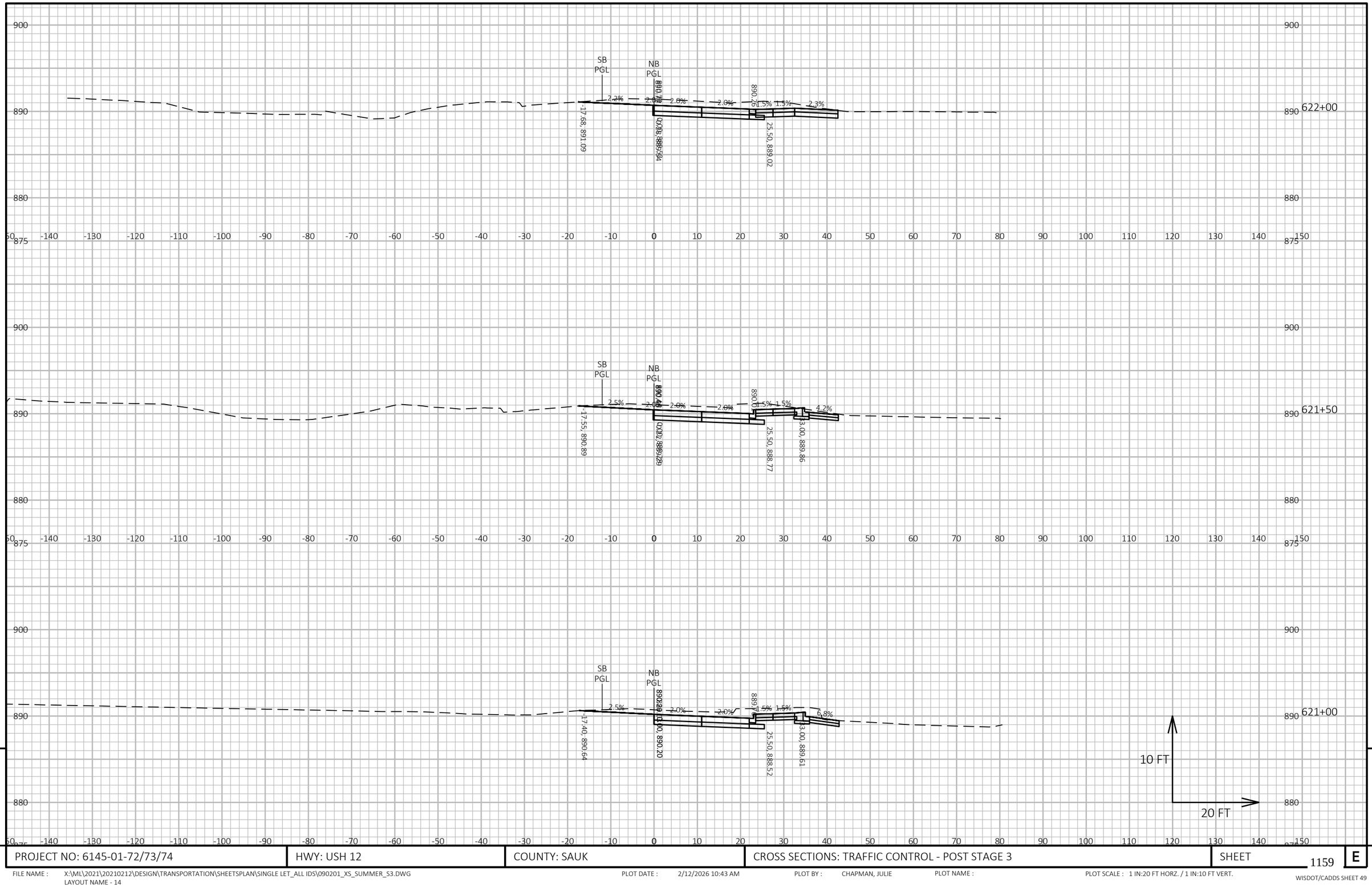
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PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	CROSS SECTIONS: TRAFFIC CONTROL - POST STAGE 3	SHEET 1158	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\SINGLE LET_ALL IDS\090201_XS_SUMMER_S3.DWG
LAYOUT NAME - 13

PLOT DATE : 2/12/2026 10:43 AM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

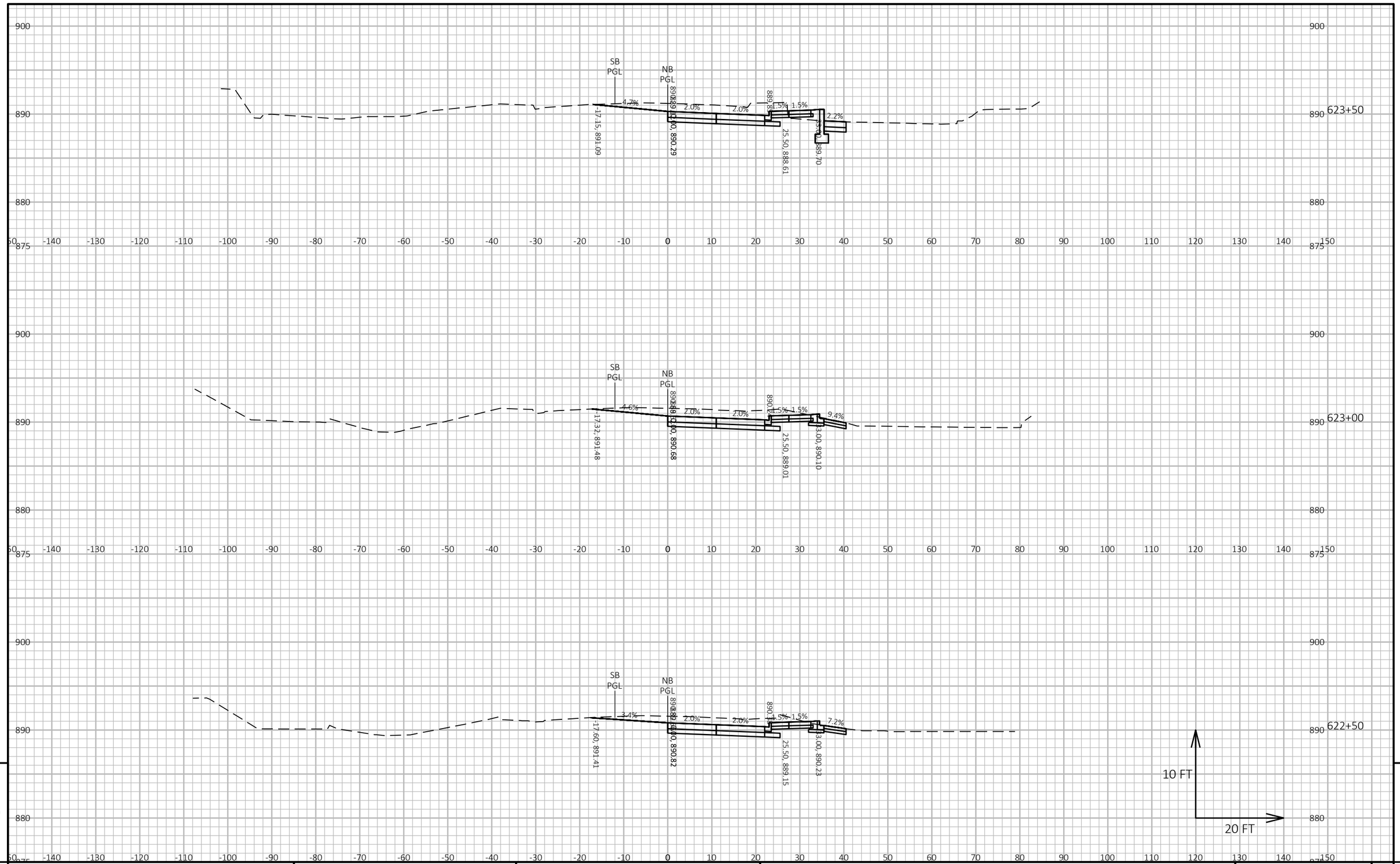


PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	CROSS SECTIONS: TRAFFIC CONTROL - POST STAGE 3	SHEET 1159 E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\SINGLE LET_ALL IDS\090201_XS_SUMMER_S3.DWG
LAYOUT NAME - 14

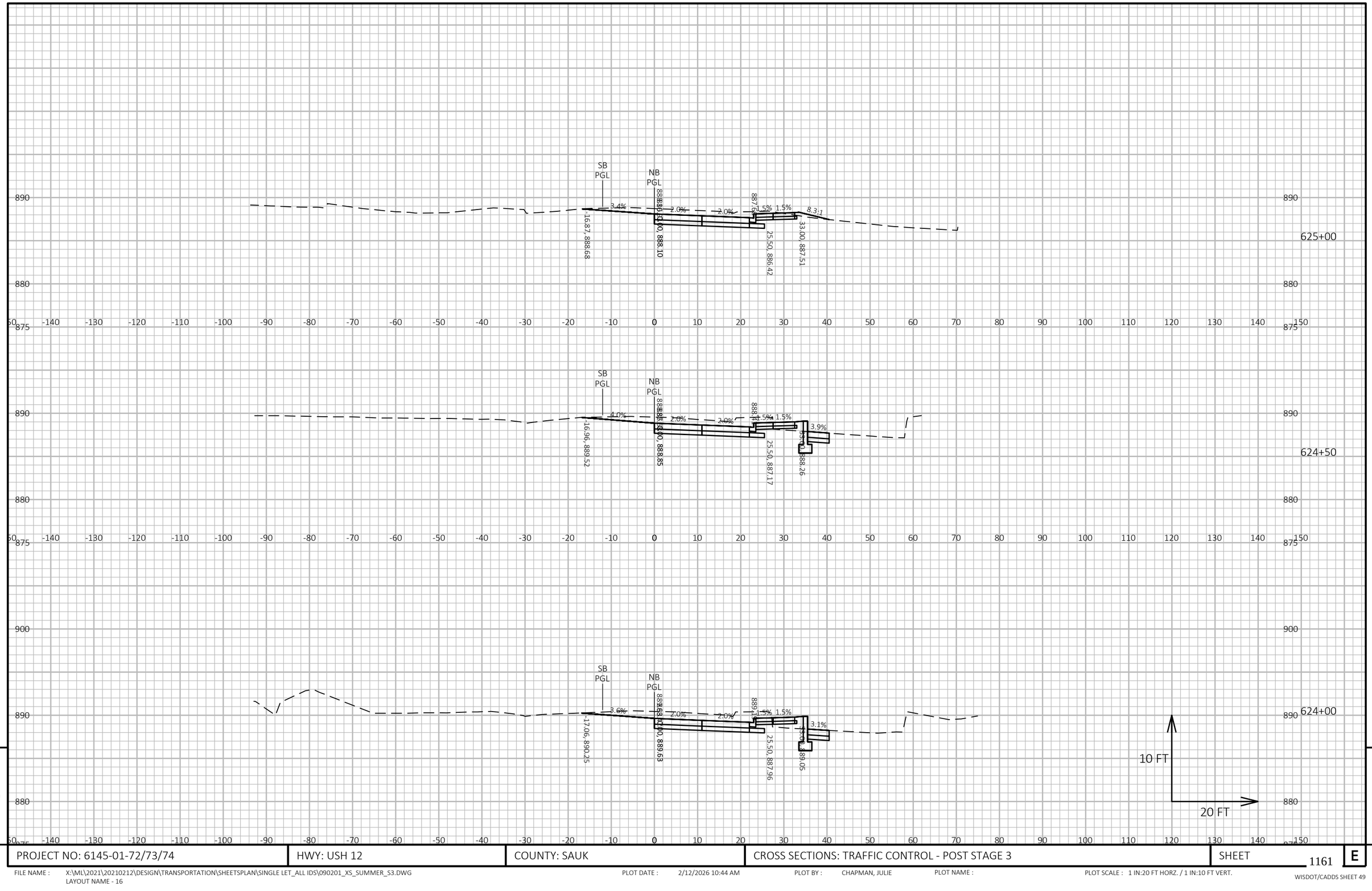
PLOT DATE : 2/12/2026 10:43 AM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	CROSS SECTIONS: TRAFFIC CONTROL - POST STAGE 3	SHEET 1160	E

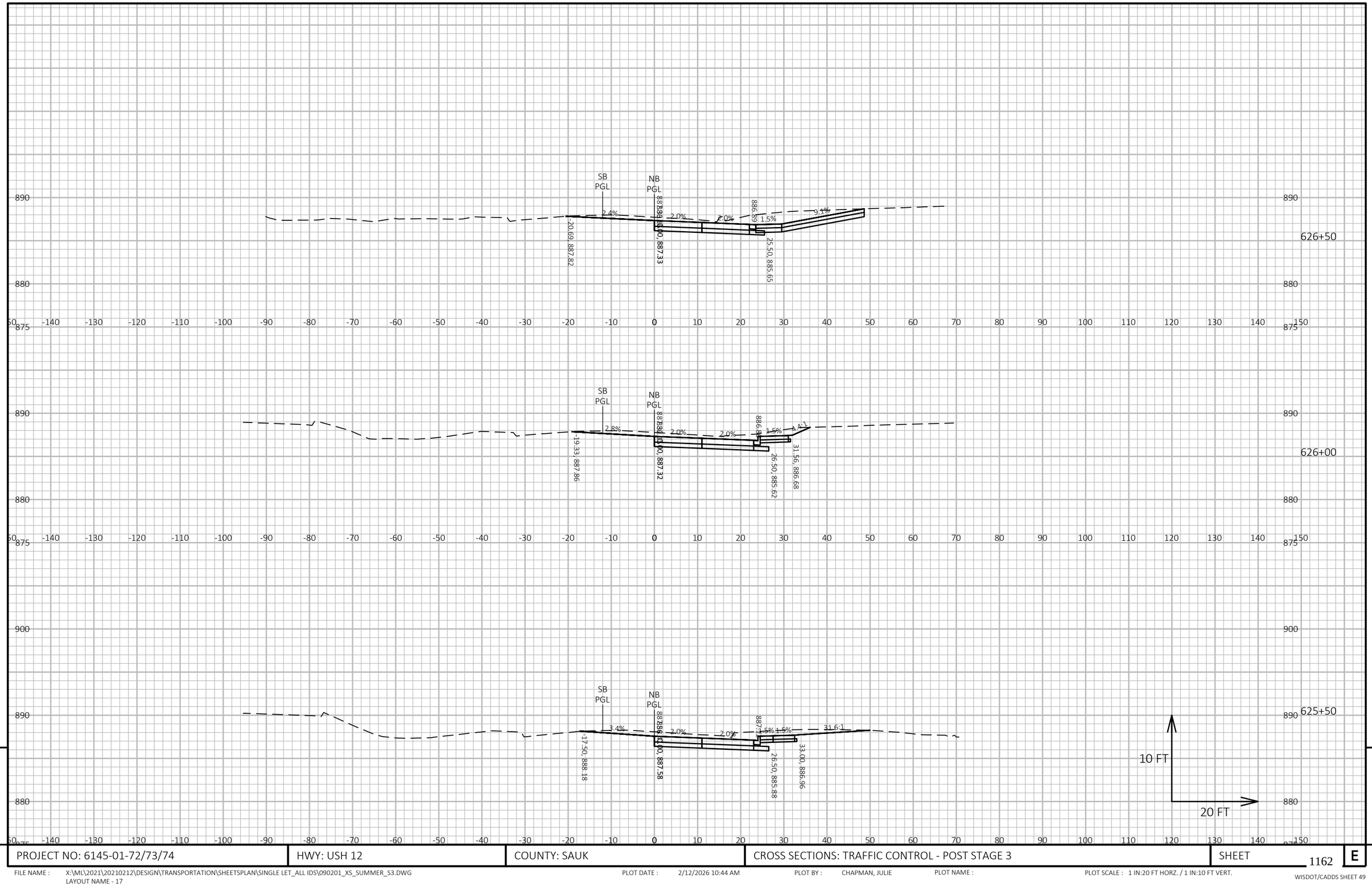
FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\SINGLE LET_ALL IDS\090201_XS_SUMMER_S3.DWG
LAYOUT NAME - 15
PLOT DATE : 2/12/2026 10:44 AM
PLOT BY : CHAPMAN, JULIE
PLOT NAME :
PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.
WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	CROSS SECTIONS: TRAFFIC CONTROL - POST STAGE 3	SHEET 1161	E

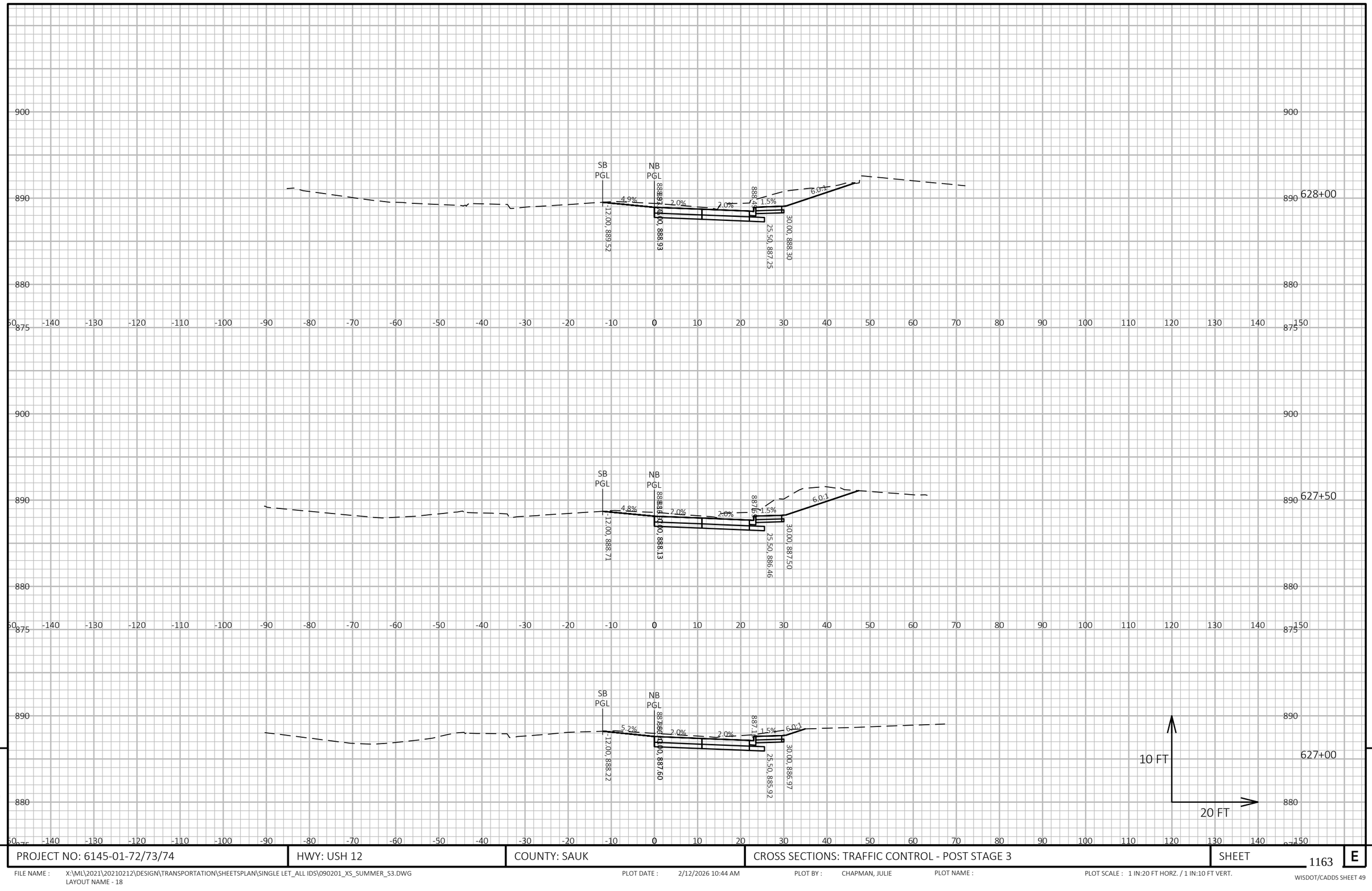


PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	CROSS SECTIONS: TRAFFIC CONTROL - POST STAGE 3	SHEET 1162	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\SINGLE LET_ALL IDS\090201_XS_SUMMER_S3.DWG
LAYOUT NAME - 17

PLOT DATE : 2/12/2026 10:44 AM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

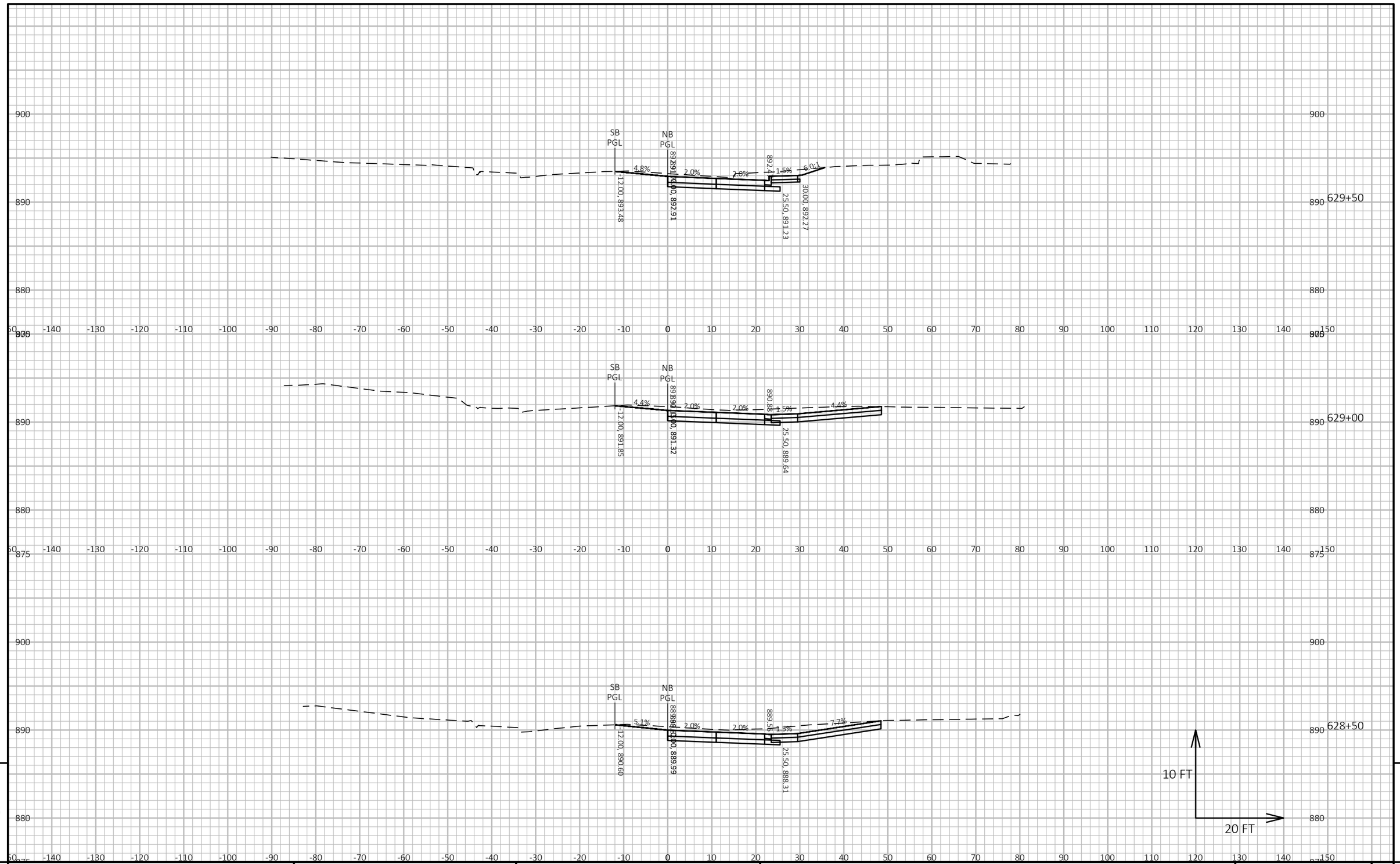
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PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	CROSS SECTIONS: TRAFFIC CONTROL - POST STAGE 3	SHEET 1163	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\SINGLE LET_ALL IDS\090201_XS_SUMMER_S3.DWG
LAYOUT NAME - 18

PLOT DATE : 2/12/2026 10:44 AM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

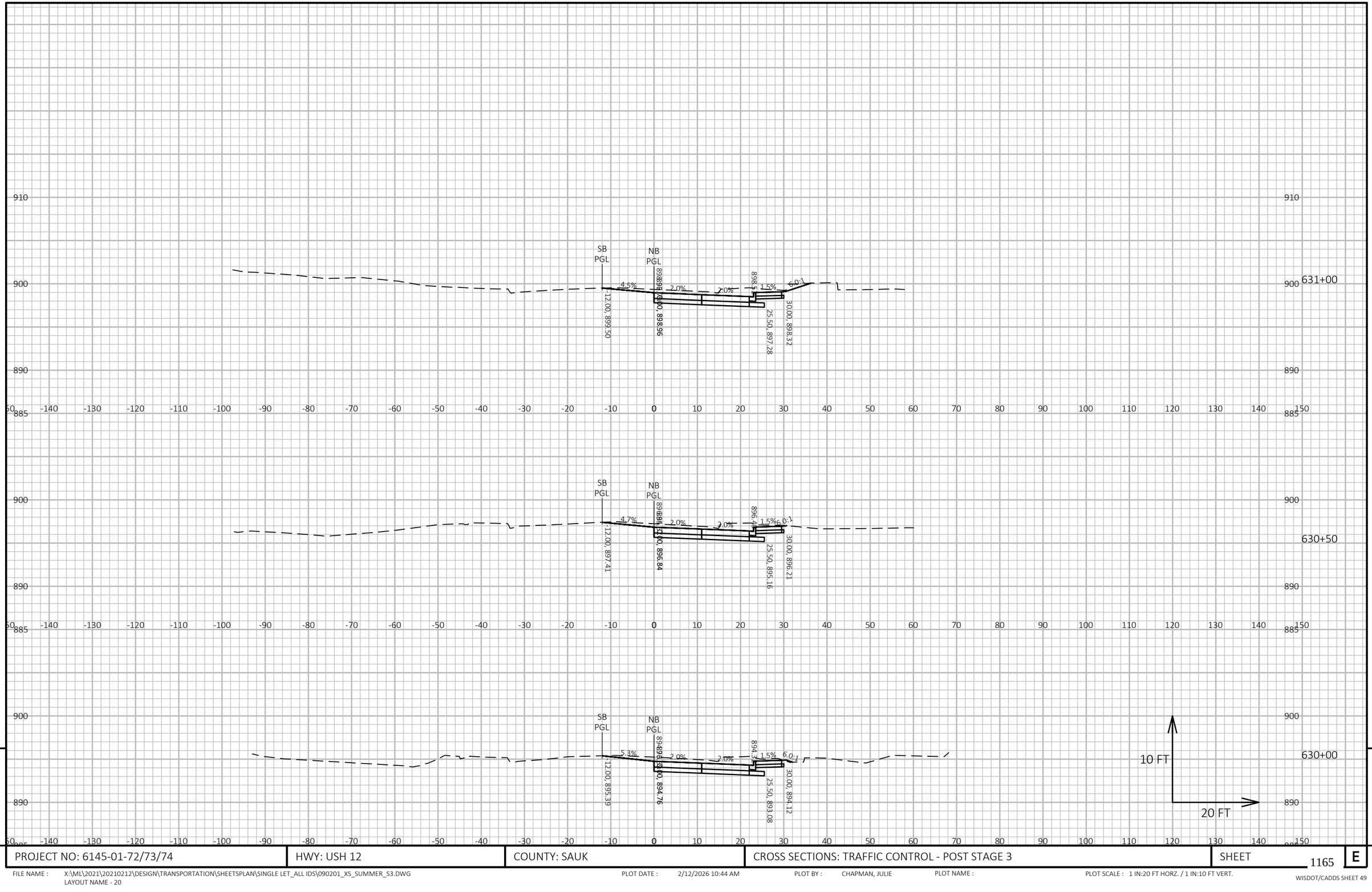
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PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	CROSS SECTIONS: TRAFFIC CONTROL - POST STAGE 3	SHEET 1164	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\SINGLE LET_ALL IDS\090201_XS_SUMMER_S3.DWG
LAYOUT NAME - 19

PLOT DATE : 2/12/2026 10:44 AM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

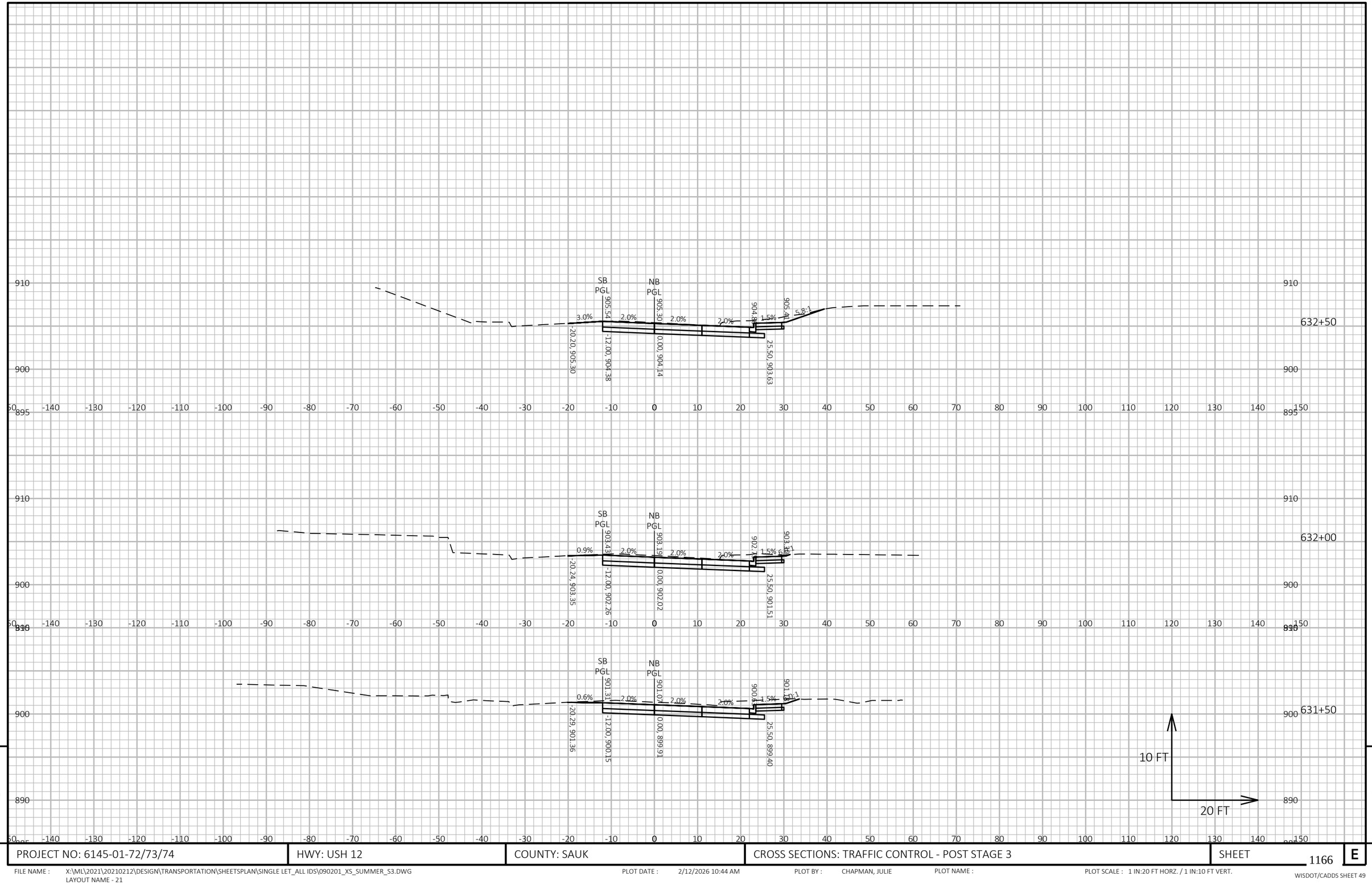
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PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	CROSS SECTIONS: TRAFFIC CONTROL - POST STAGE 3	SHEET 1165	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\SINGLE LET_ALL IDS\090201_XS_SUMMER_S3.DWG
LAYOUT NAME - 20

PLOT DATE : 2/12/2026 10:44 AM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

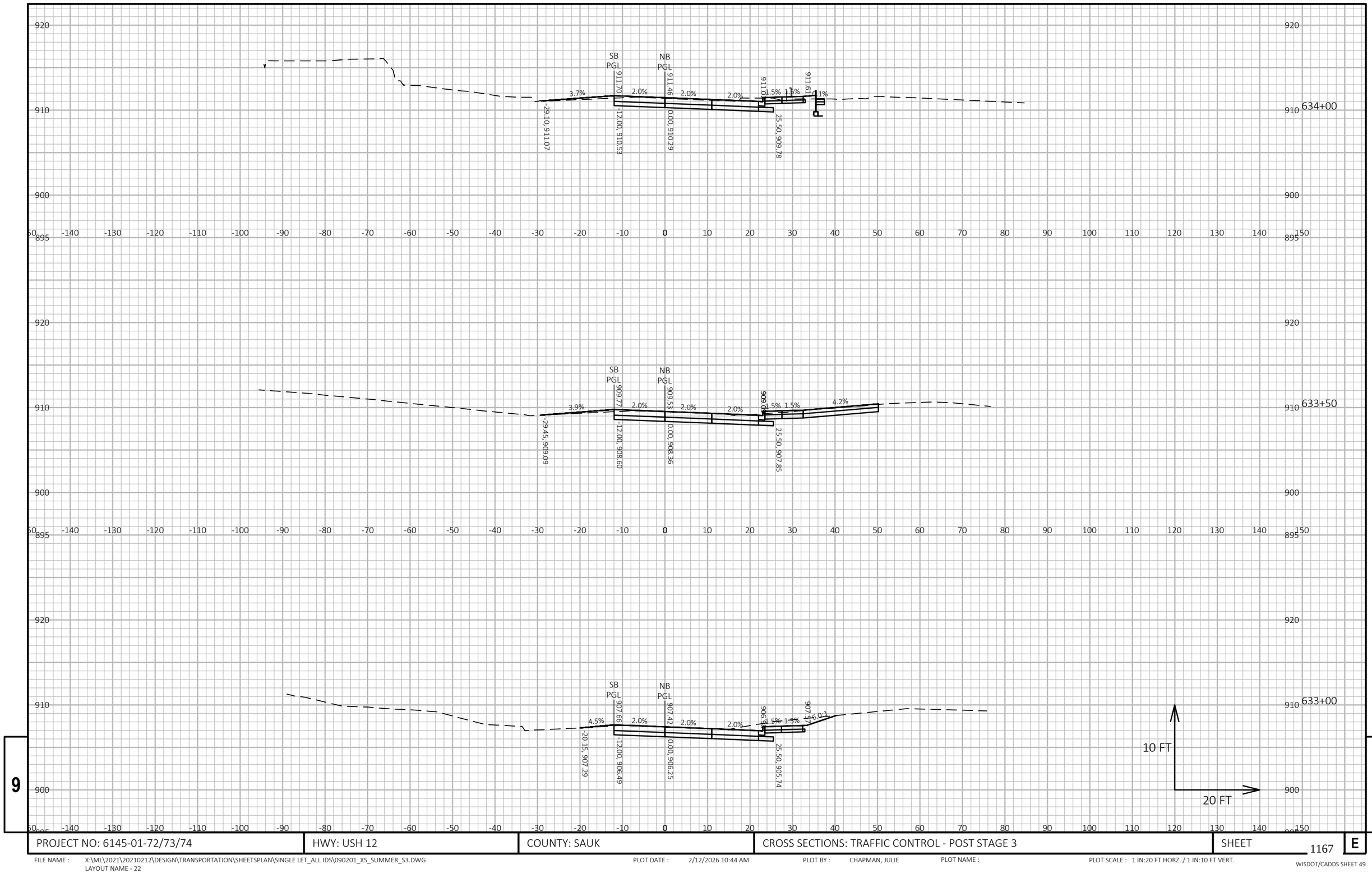
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PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	CROSS SECTIONS: TRAFFIC CONTROL - POST STAGE 3	SHEET 1166	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\SINGLE LET_ALL IDS\090201_XS_SUMMER_S3.DWG
LAYOUT NAME - 21

PLOT DATE : 2/12/2026 10:44 AM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

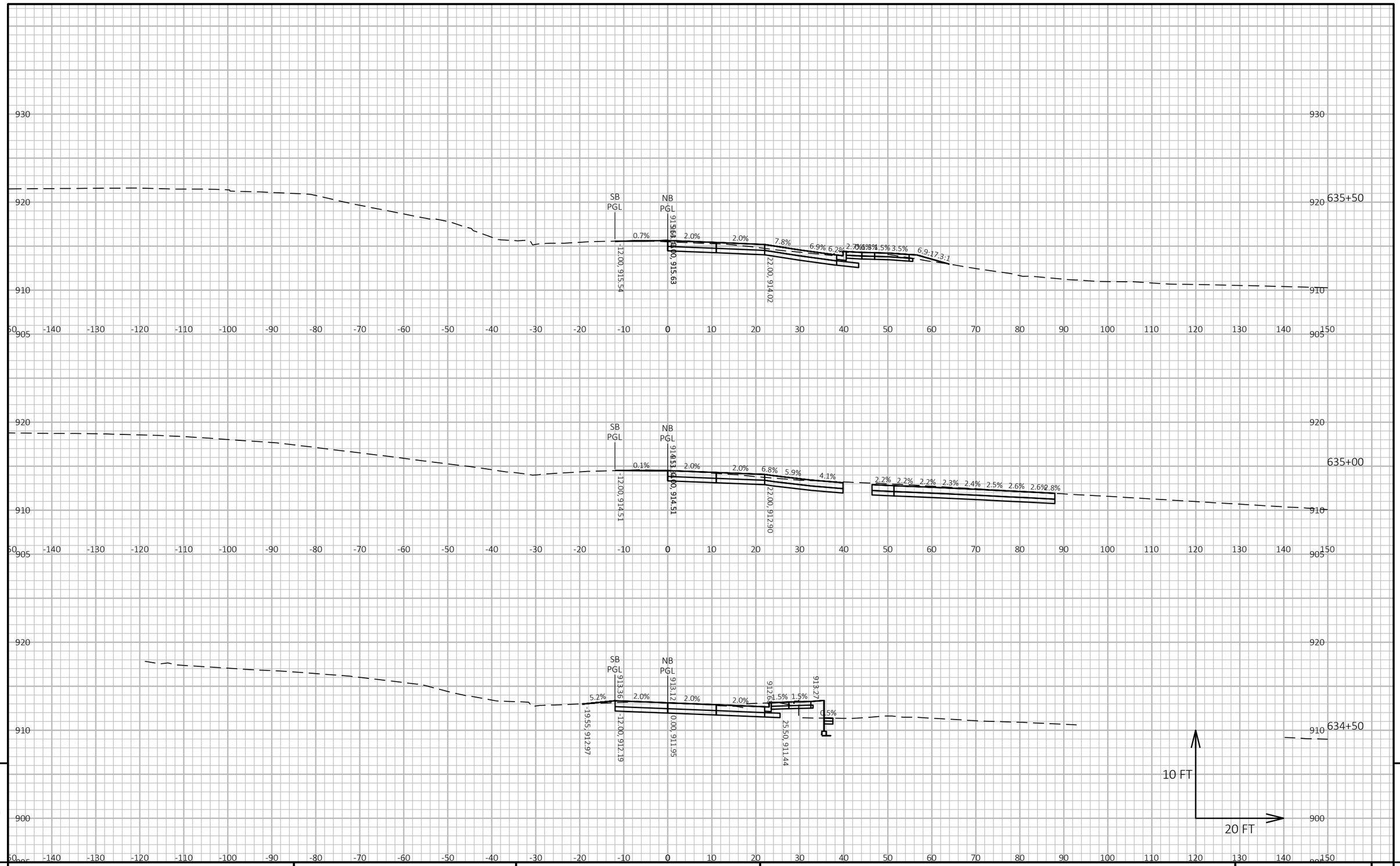
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PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	CROSS SECTIONS: TRAFFIC CONTROL - POST STAGE 3	SHEET 1167	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\SINGLE LET_ALL IDS\090201_XS_SUMMER_S3.DWG
LAYOUT NAME - 22

PLOT DATE : 2/12/2026 10:44 AM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

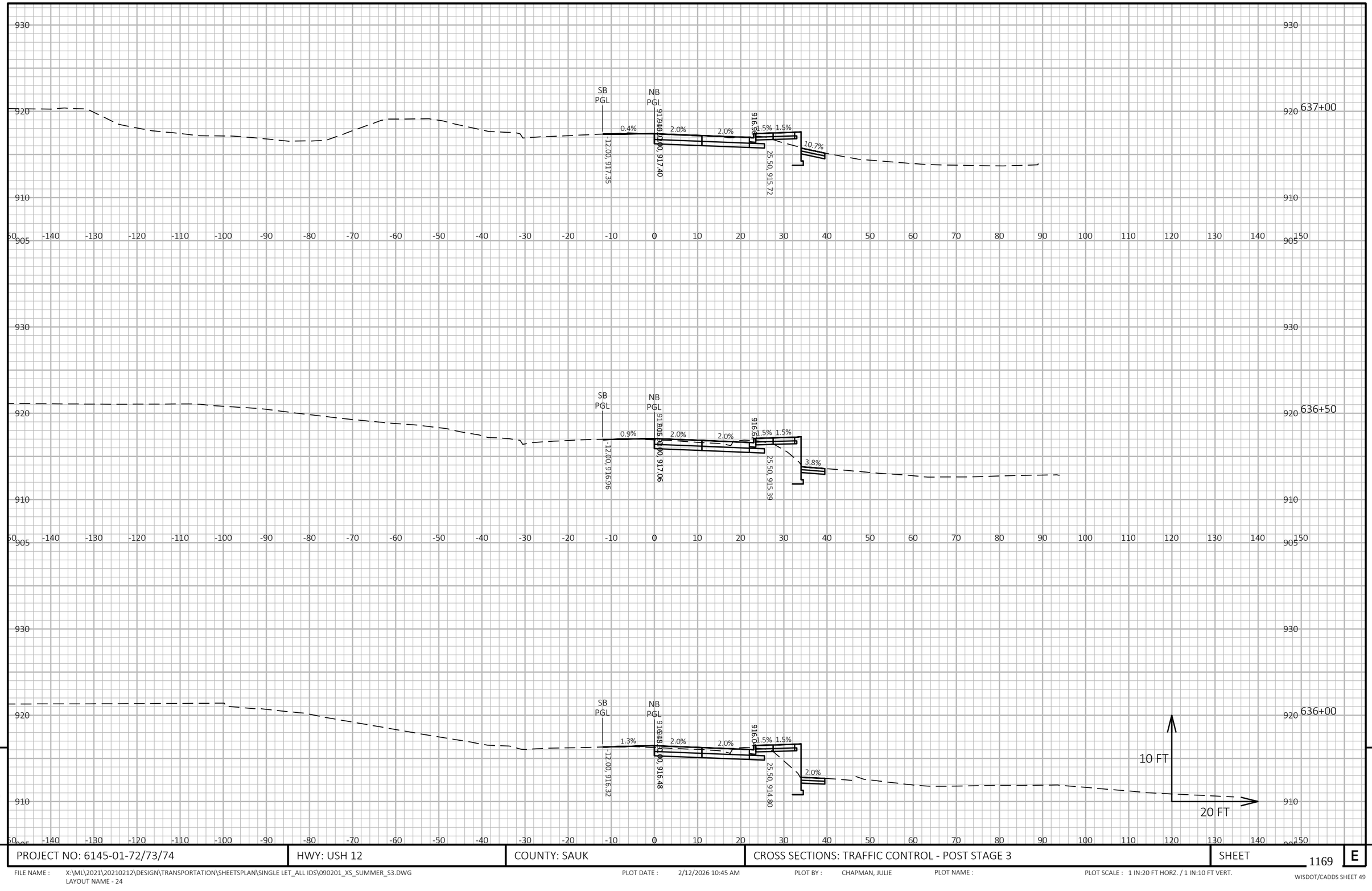
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PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	CROSS SECTIONS: TRAFFIC CONTROL - POST STAGE 3	SHEET 1168	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\SINGLE LET_ALL IDS\090201_XS_SUMMER_S3.DWG
LAYOUT NAME - 23

PLOT DATE : 2/12/2026 10:44 AM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	CROSS SECTIONS: TRAFFIC CONTROL - POST STAGE 3	SHEET 1169	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\SINGLE LET_ALL IDS\090201_XS_SUMMER_S3.DWG
LAYOUT NAME - 24

PLOT DATE : 2/12/2026 10:45 AM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

9

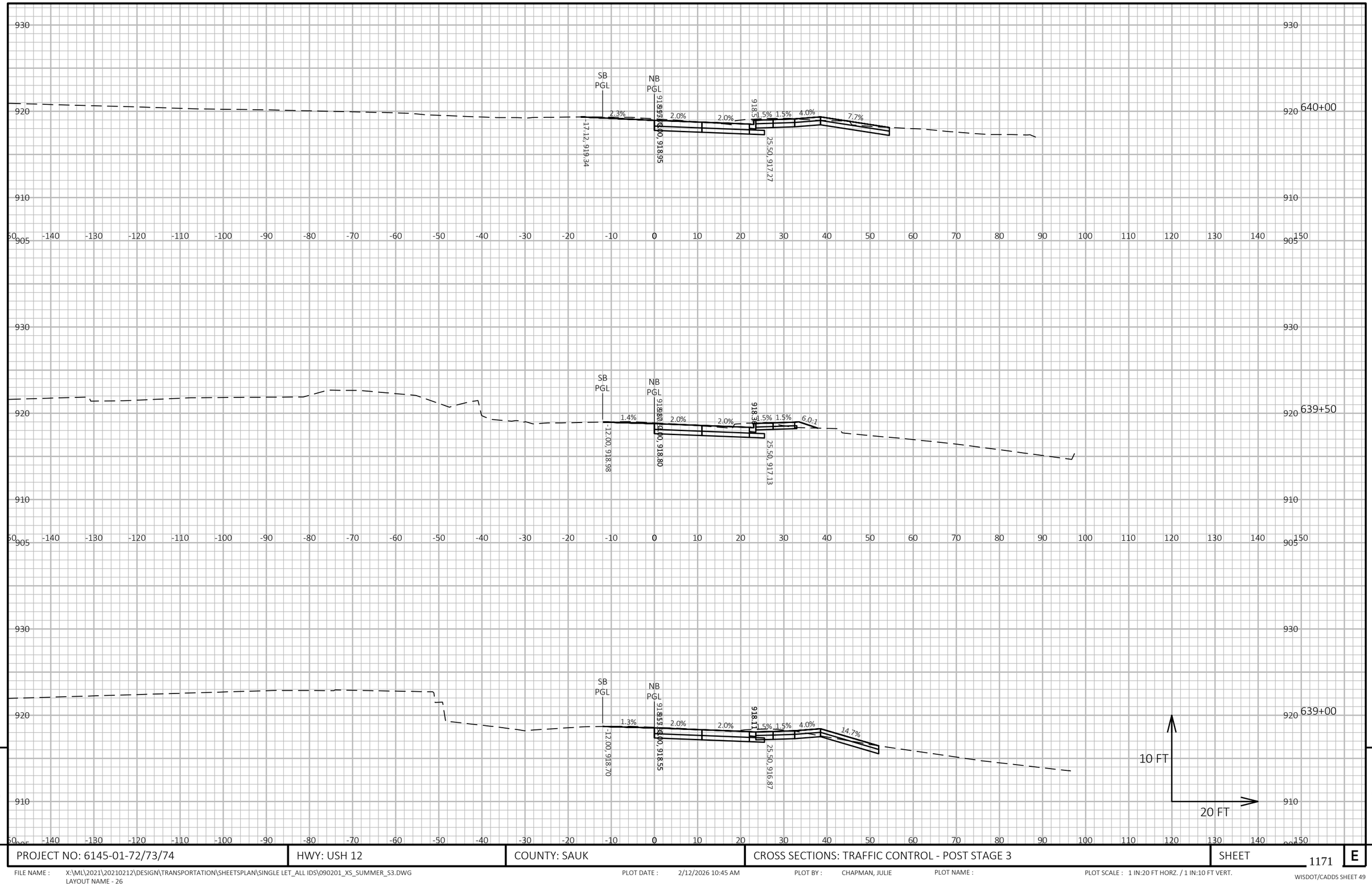
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PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	CROSS SECTIONS: TRAFFIC CONTROL - POST STAGE 3	SHEET 1170	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\SINGLE LET_ALL IDS\090201_XS_SUMMER_S3.DWG
LAYOUT NAME - 25

PLOT DATE : 2/12/2026 10:45 AM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

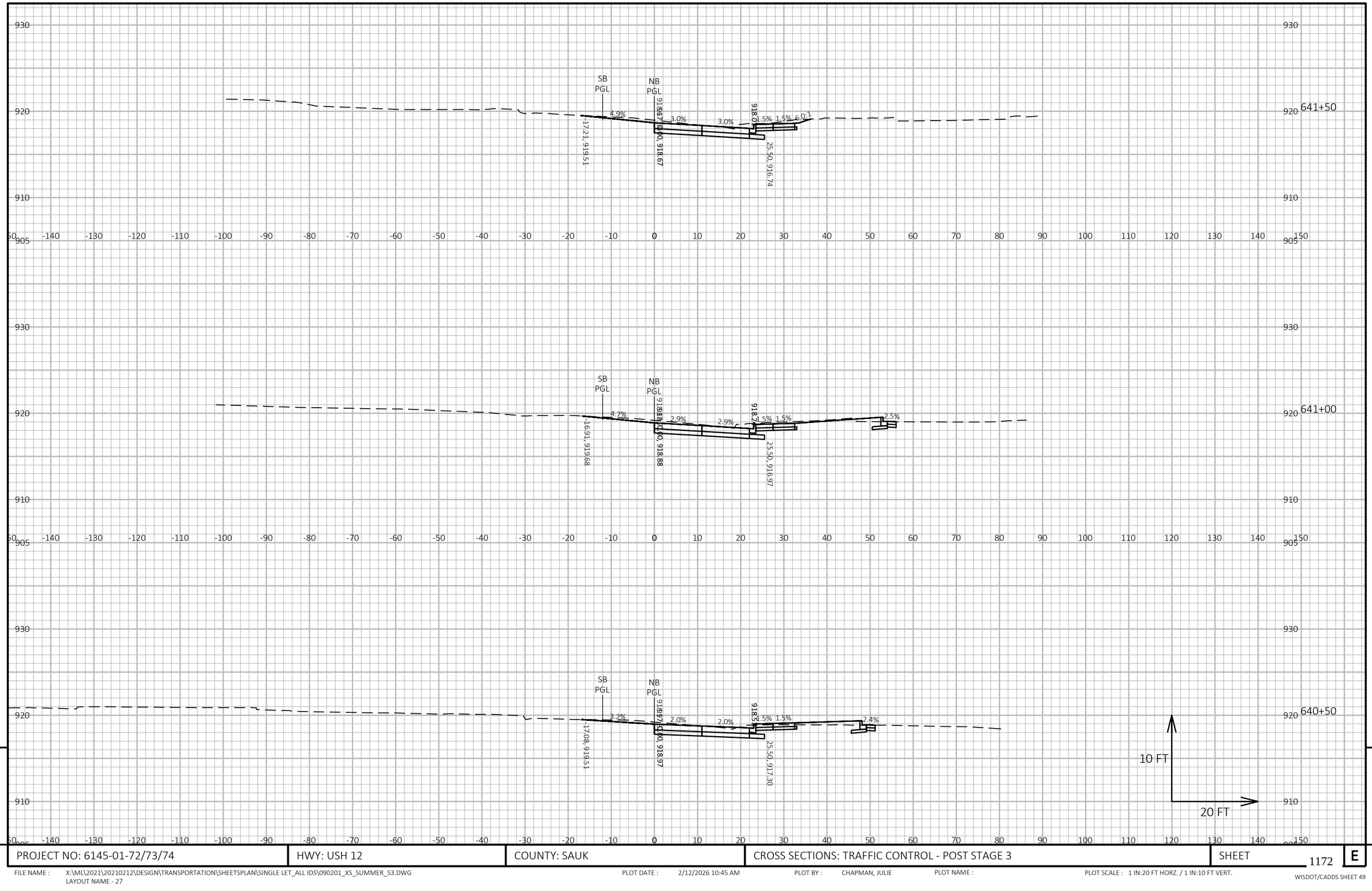


PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	CROSS SECTIONS: TRAFFIC CONTROL - POST STAGE 3	SHEET 1171	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\SINGLE LET_ALL IDS\090201_XS_SUMMER_S3.DWG
LAYOUT NAME - 26

PLOT DATE : 2/12/2026 10:45 AM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



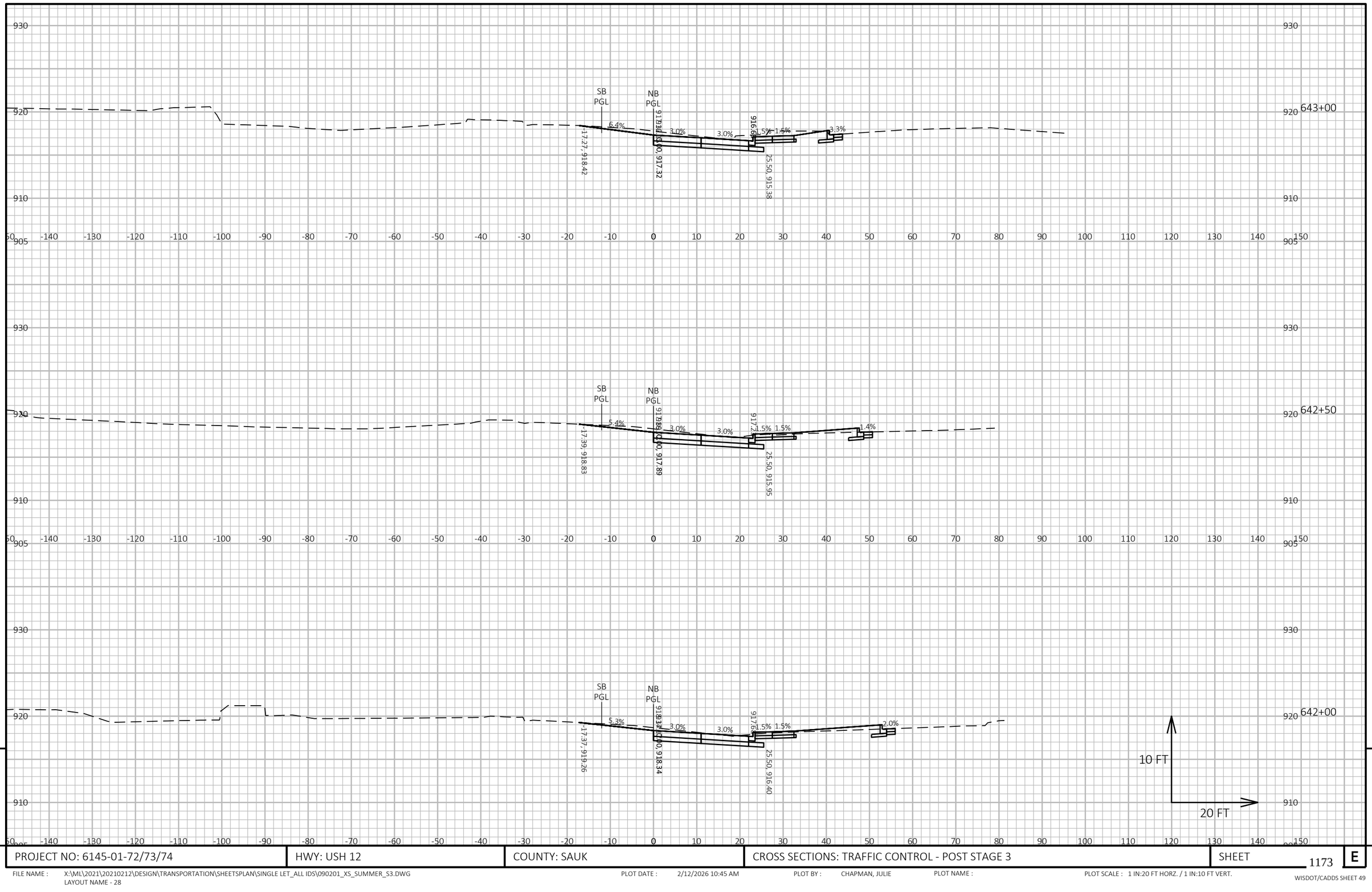
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9

PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	CROSS SECTIONS: TRAFFIC CONTROL - POST STAGE 3	SHEET 1172	E

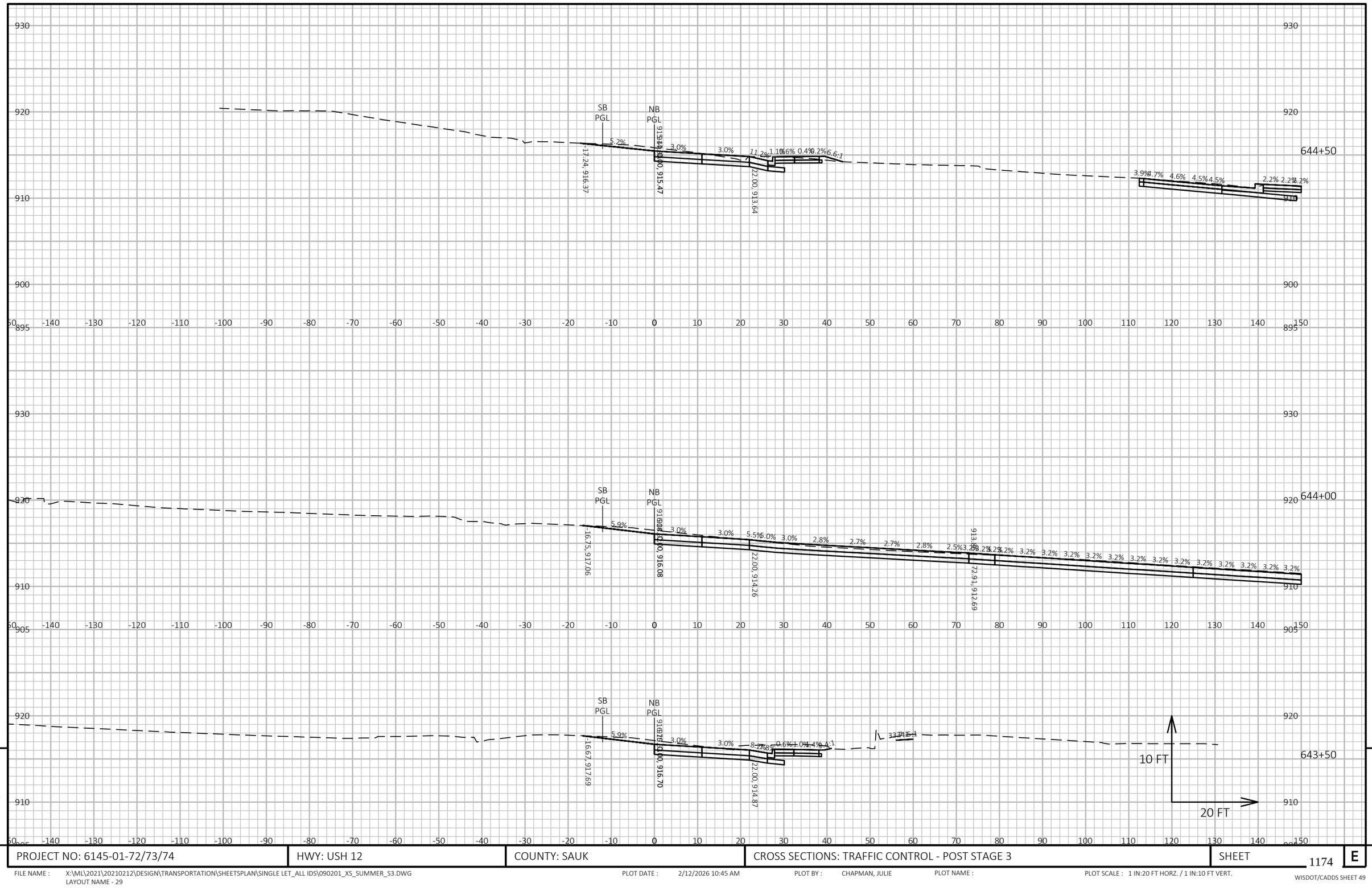
FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\SINGLE LET_ALL IDS\090201_XS_SUMMER_S3.DWG
LAYOUT NAME - 27

PLOT DATE : 2/12/2026 10:45 AM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.



PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	CROSS SECTIONS: TRAFFIC CONTROL - POST STAGE 3	SHEET 1173	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\SINGLE LET_ALL IDS\090201_XS_SUMMER_S3.DWG
LAYOUT NAME - 28
PLOT DATE : 2/12/2026 10:45 AM
PLOT BY : CHAPMAN, JULIE
PLOT NAME :
PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.
WISDOT/CADDS SHEET 49

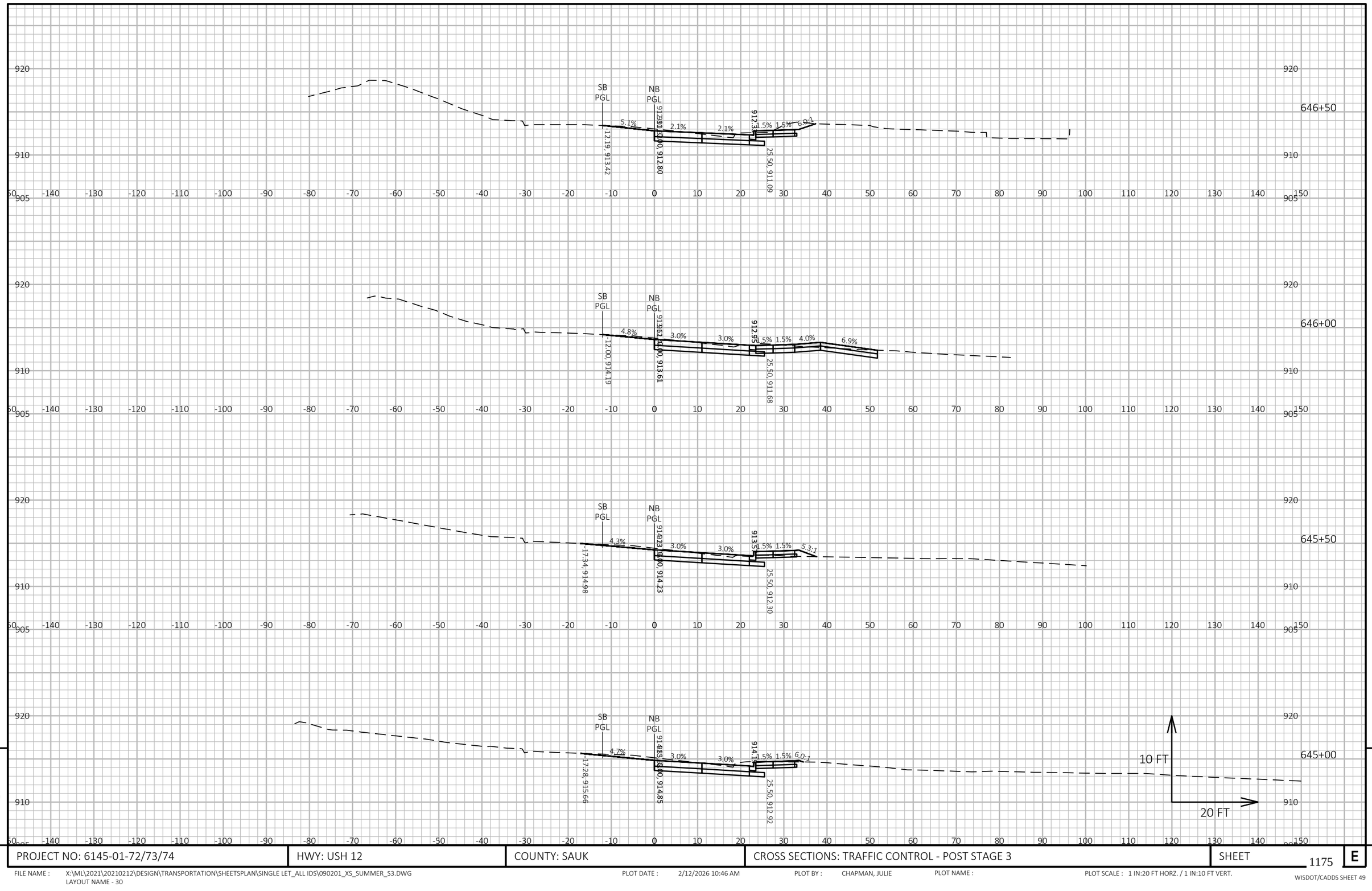


PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	CROSS SECTIONS: TRAFFIC CONTROL - POST STAGE 3	SHEET 1174 E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\SINGLE LET_ALL IDS\090201_XS_SUMMER_S3.DWG
LAYOUT NAME - 29

PLOT DATE : 2/12/2026 10:45 AM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

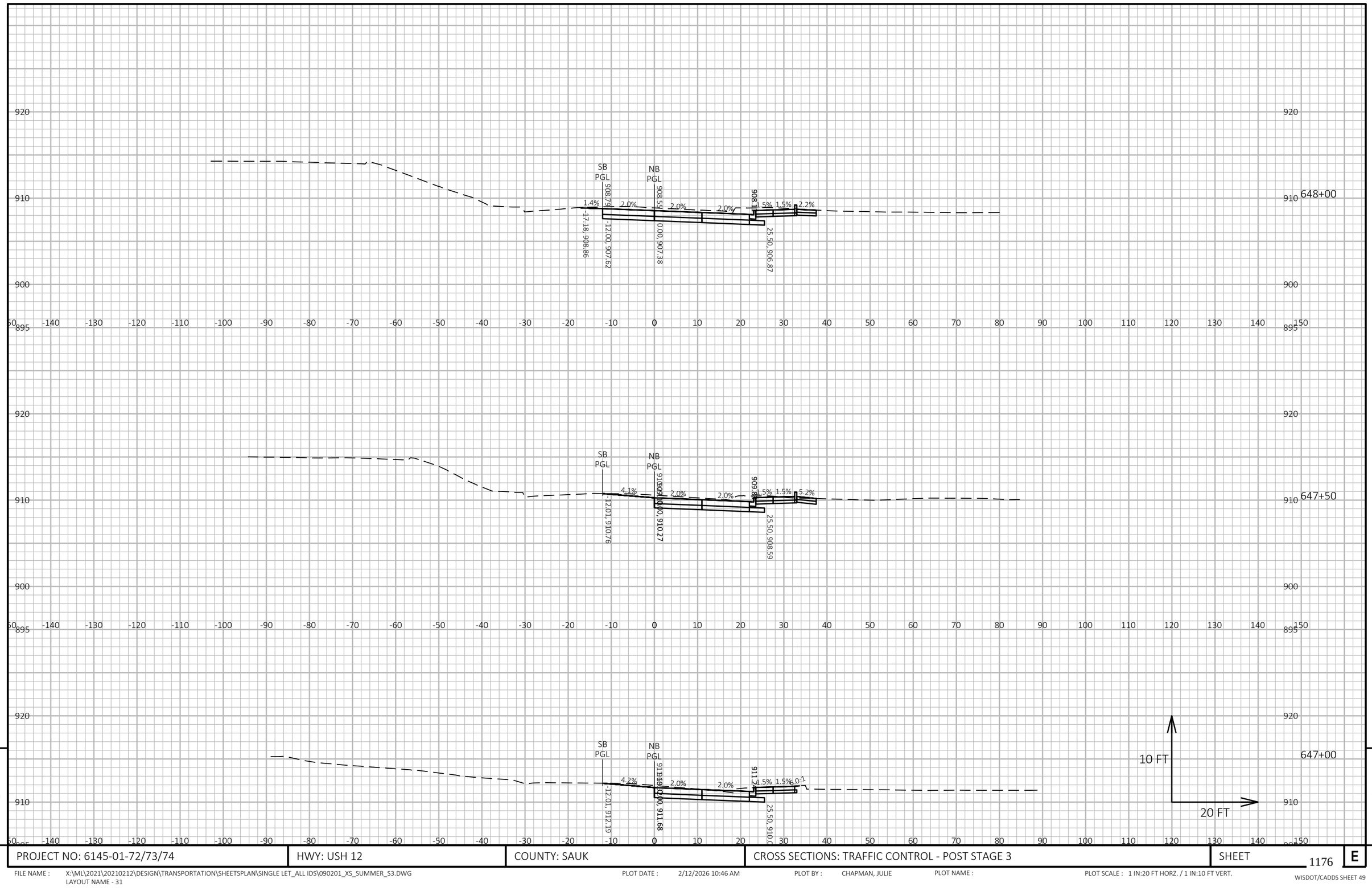
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PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	CROSS SECTIONS: TRAFFIC CONTROL - POST STAGE 3	SHEET 1175	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\SINGLE LET_ALL IDS\090201_XS_SUMMER_S3.DWG
LAYOUT NAME - 30

PLOT DATE : 2/12/2026 10:46 AM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

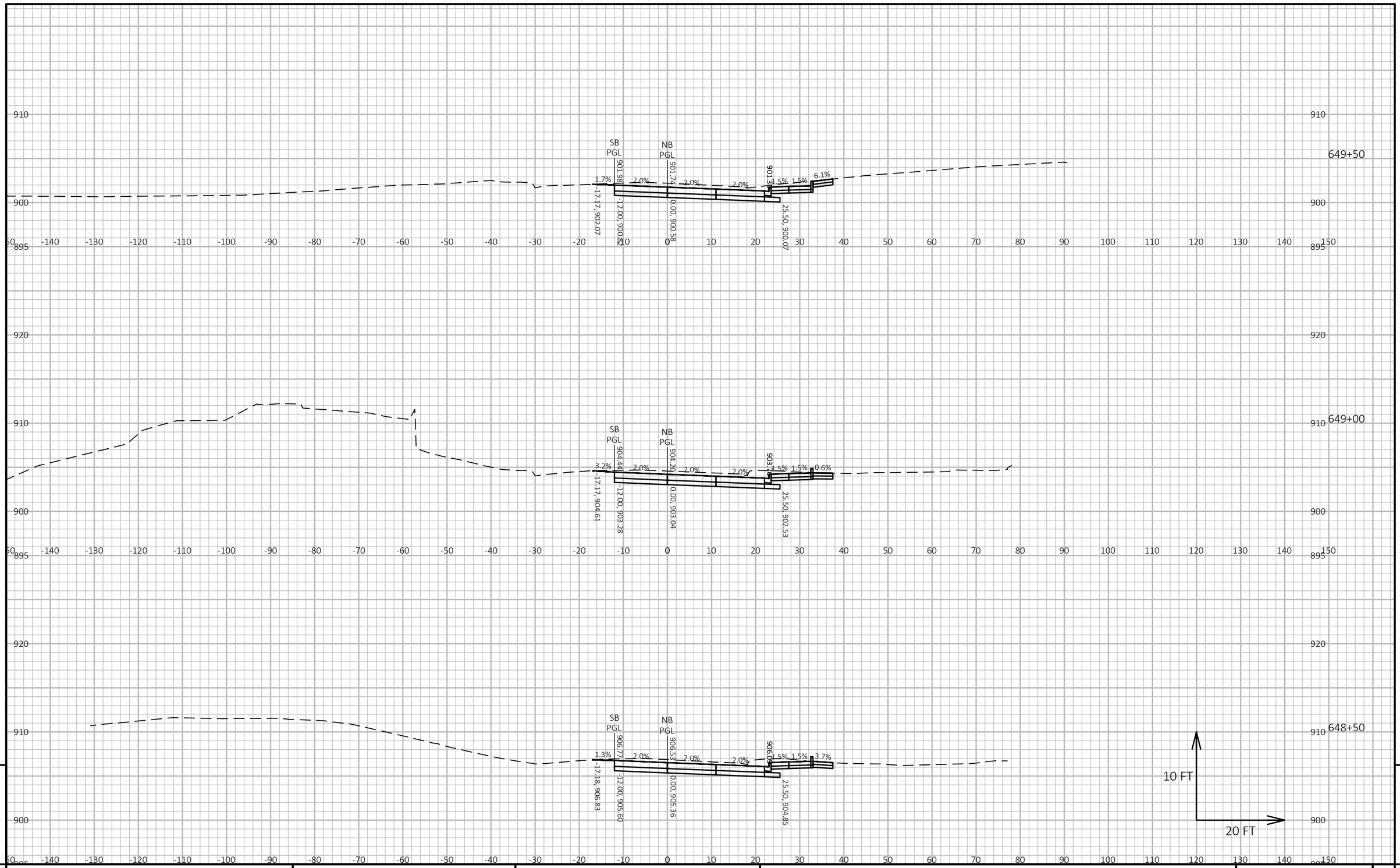
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PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	CROSS SECTIONS: TRAFFIC CONTROL - POST STAGE 3	SHEET 1176	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\SINGLE LET_ALL IDS\090201_XS_SUMMER_S3.DWG
LAYOUT NAME - 31

PLOT DATE : 2/12/2026 10:46 AM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

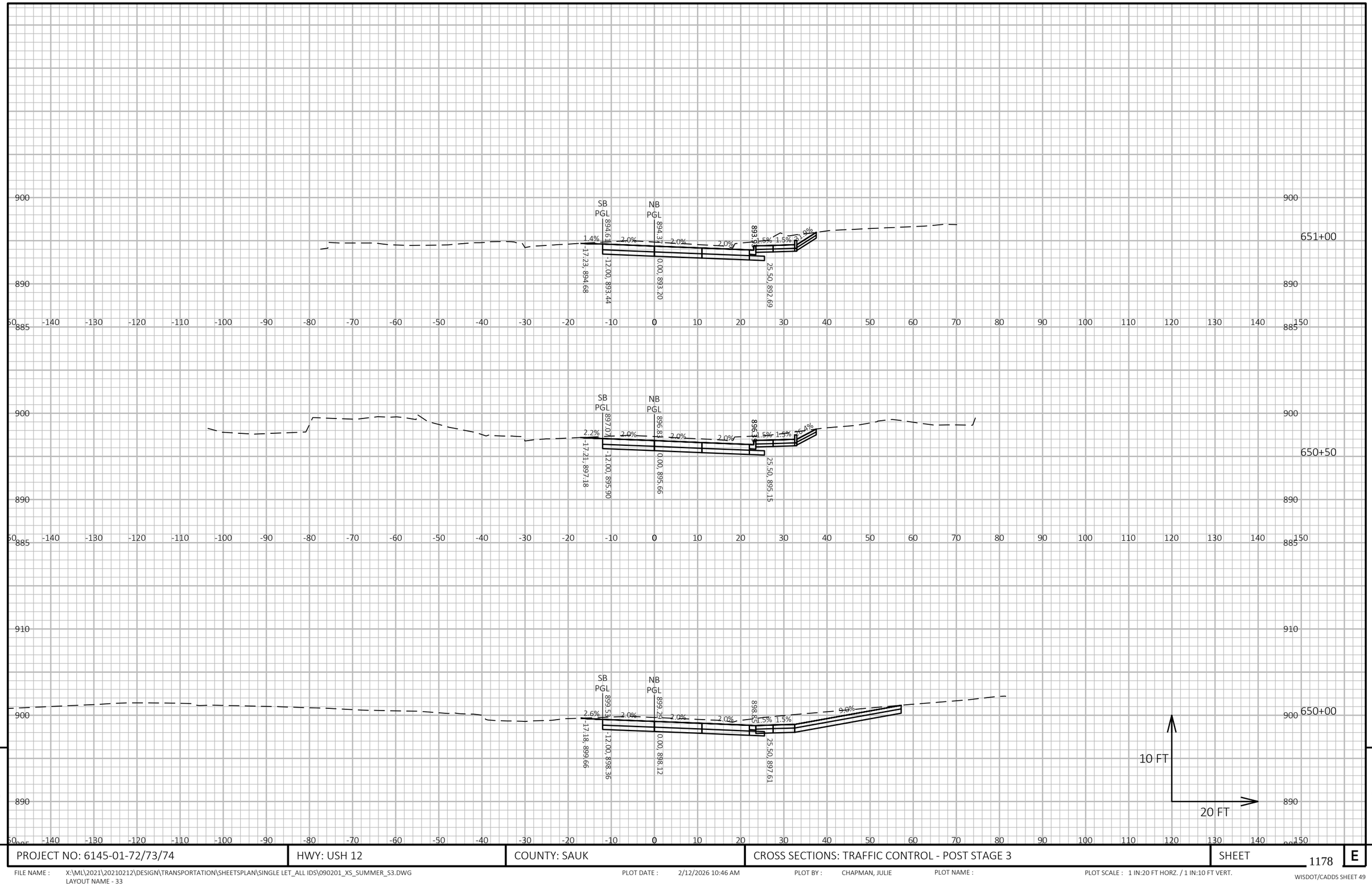


PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	CROSS SECTIONS: TRAFFIC CONTROL - POST STAGE 3	SHEET 1177	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\SINGLE LET_ALL IDS\090201_XS_SUMMER_S3.DWG
LAYOUT NAME - 32

PLOT DATE : 2/12/2026 10:46 AM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

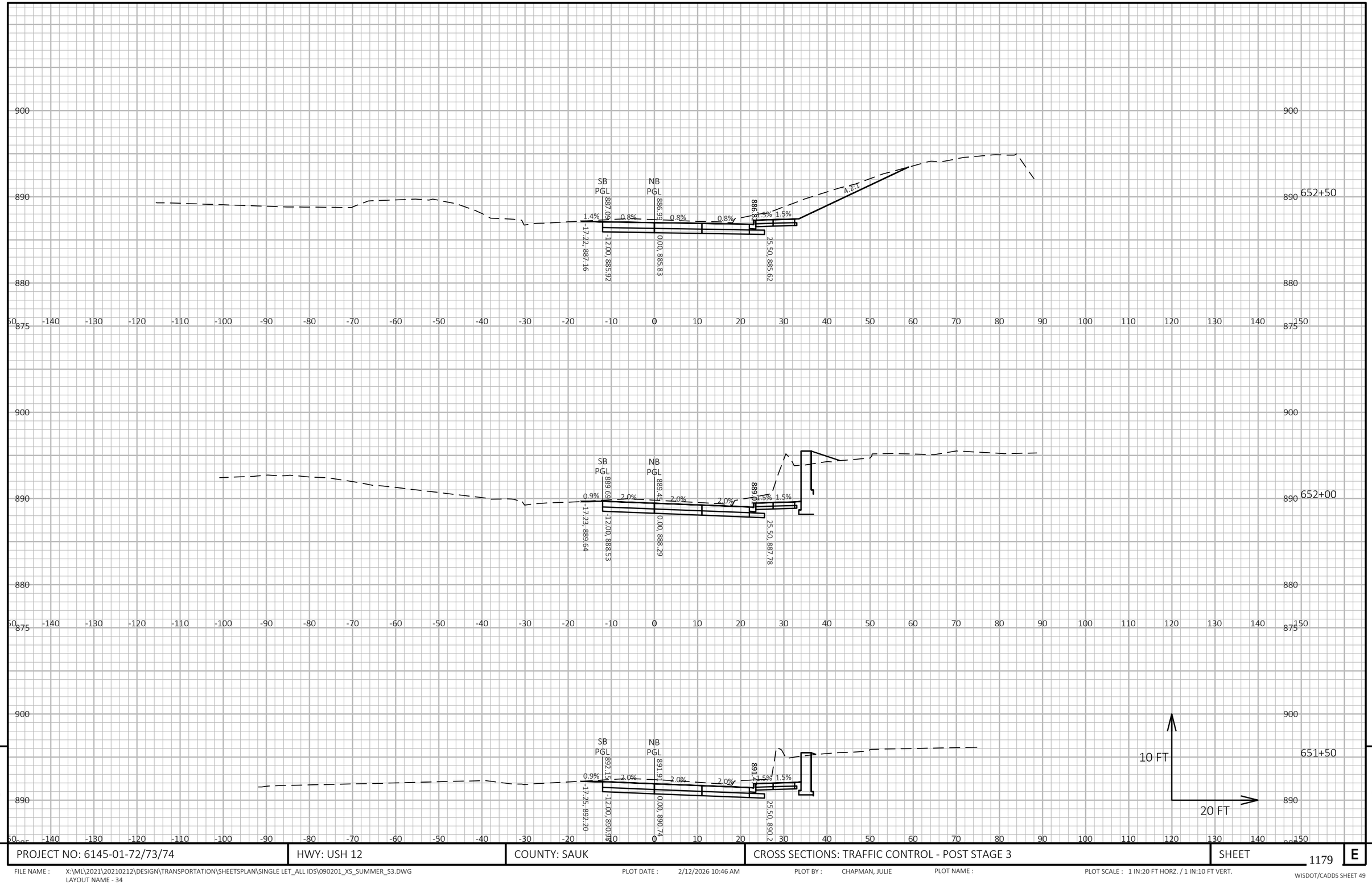


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9

PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	CROSS SECTIONS: TRAFFIC CONTROL - POST STAGE 3	SHEET 1178	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\SINGLE LET_ALL IDS\090201_XS_SUMMER_S3.DWG
LAYOUT NAME - 33
PLOT DATE : 2/12/2026 10:46 AM
PLOT BY : CHAPMAN, JULIE
PLOT NAME :
PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.
WISDOT/CADDS SHEET 49

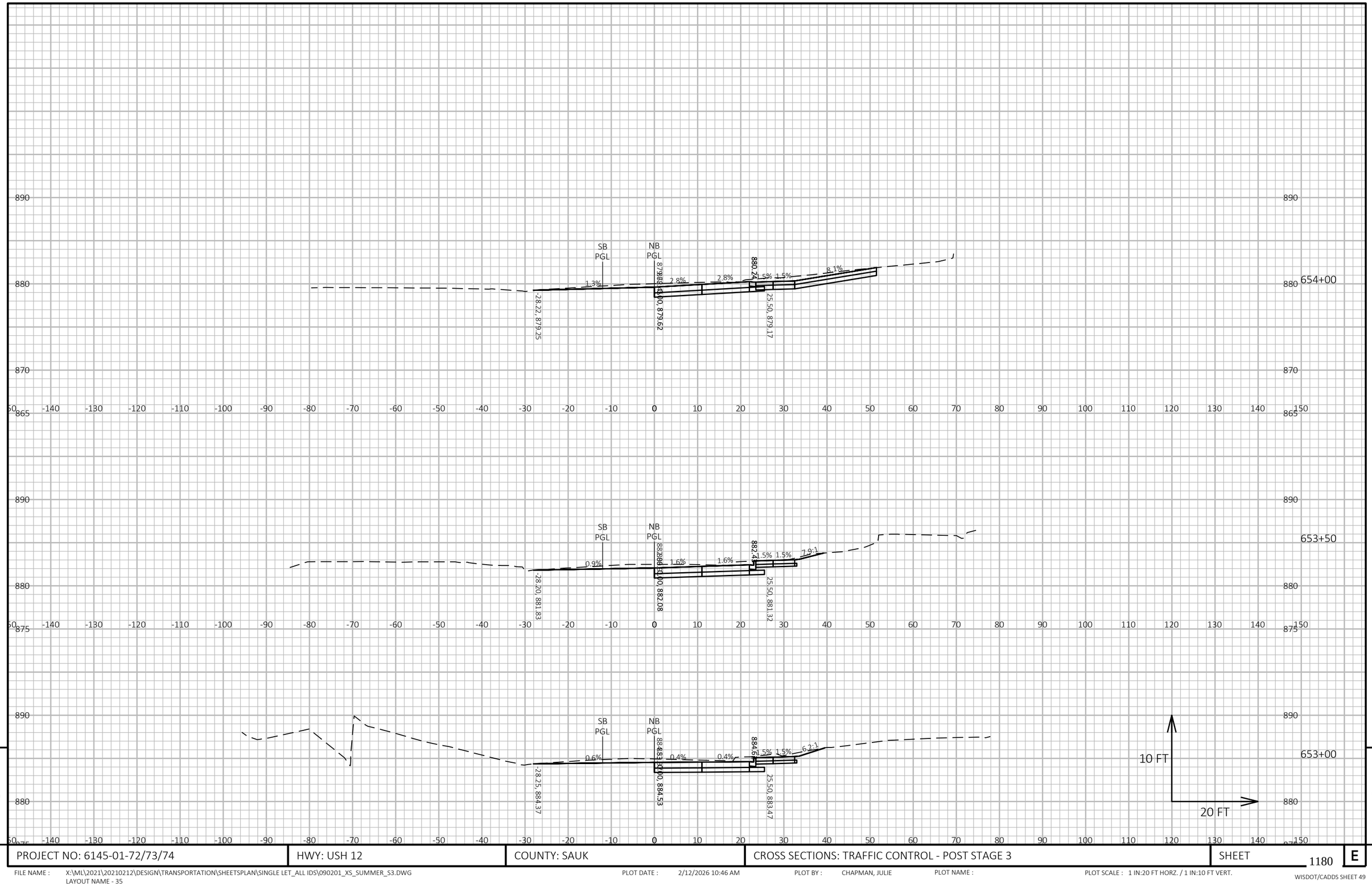


PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	CROSS SECTIONS: TRAFFIC CONTROL - POST STAGE 3	SHEET 1179 E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\SINGLE LET_ALL IDS\090201_XS_SUMMER_S3.DWG
LAYOUT NAME - 34

PLOT DATE : 2/12/2026 10:46 AM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

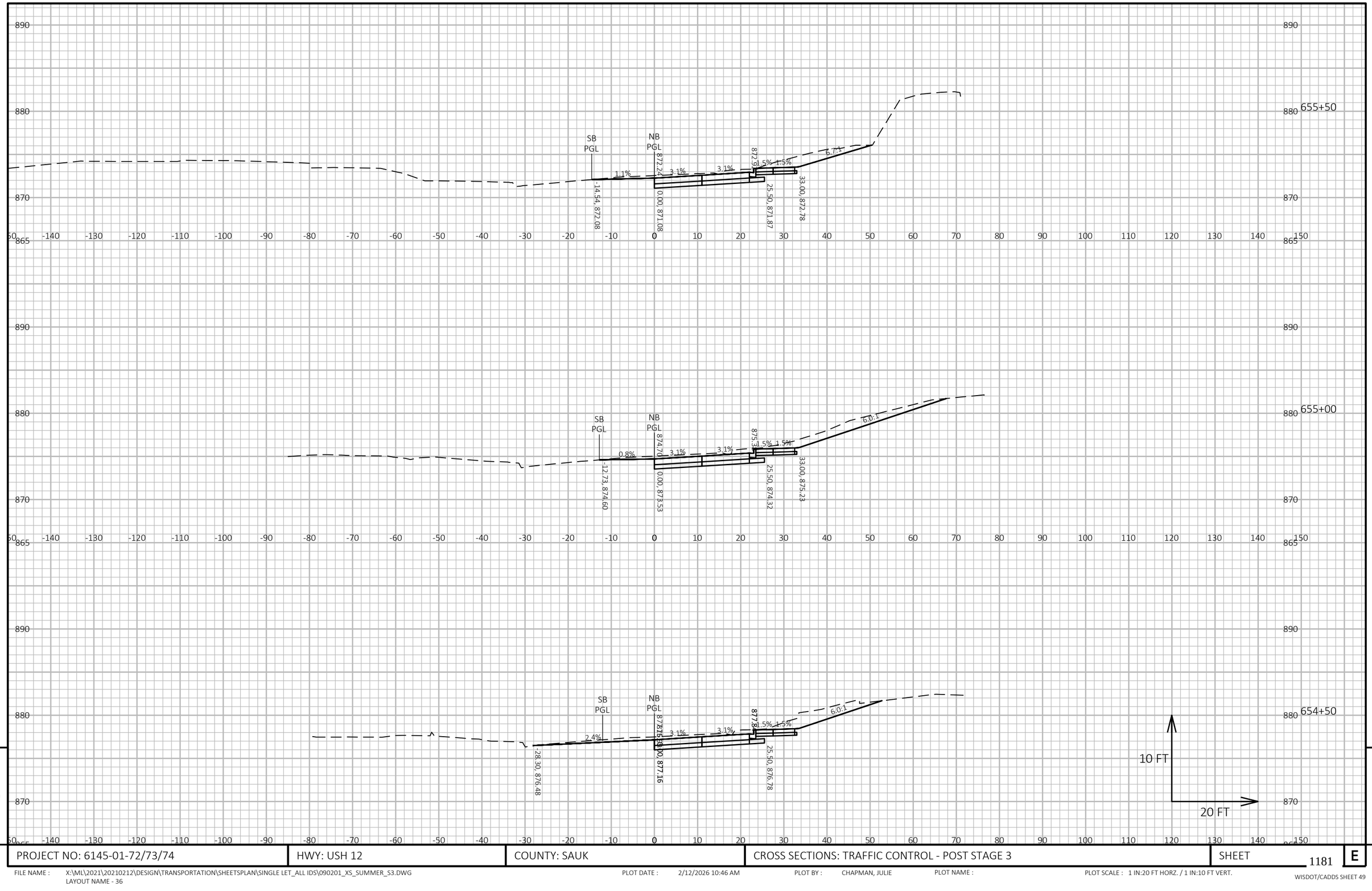


PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	CROSS SECTIONS: TRAFFIC CONTROL - POST STAGE 3	SHEET 1180	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\SINGLE LET_ALL IDS\090201_XS_SUMMER_S3.DWG
LAYOUT NAME - 35

PLOT DATE : 2/12/2026 10:46 AM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

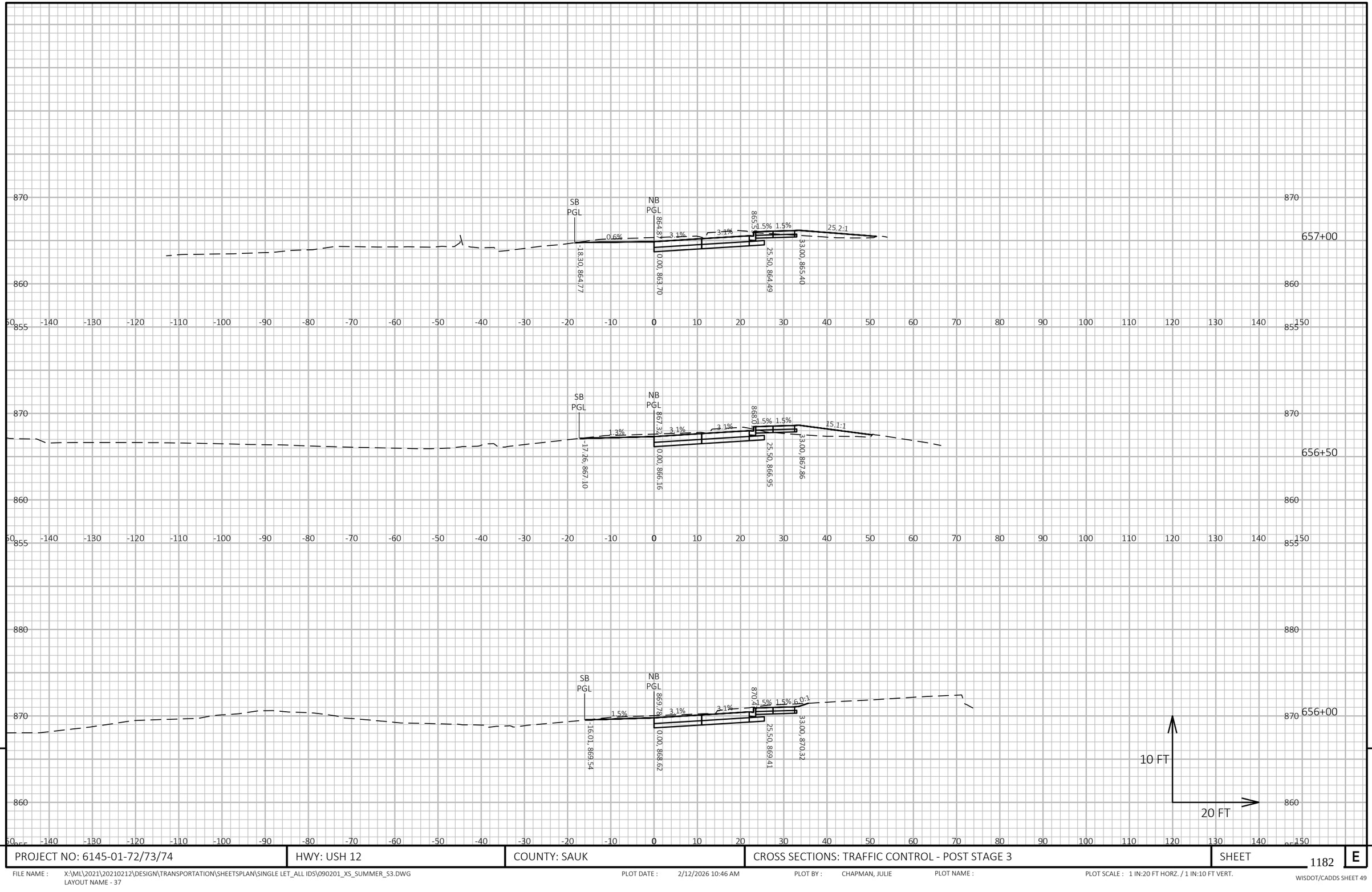


PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	CROSS SECTIONS: TRAFFIC CONTROL - POST STAGE 3	SHEET 1181	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\SINGLE LET_ALL IDS\090201_XS_SUMMER_S3.DWG
LAYOUT NAME - 36

PLOT DATE : 2/12/2026 10:46 AM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

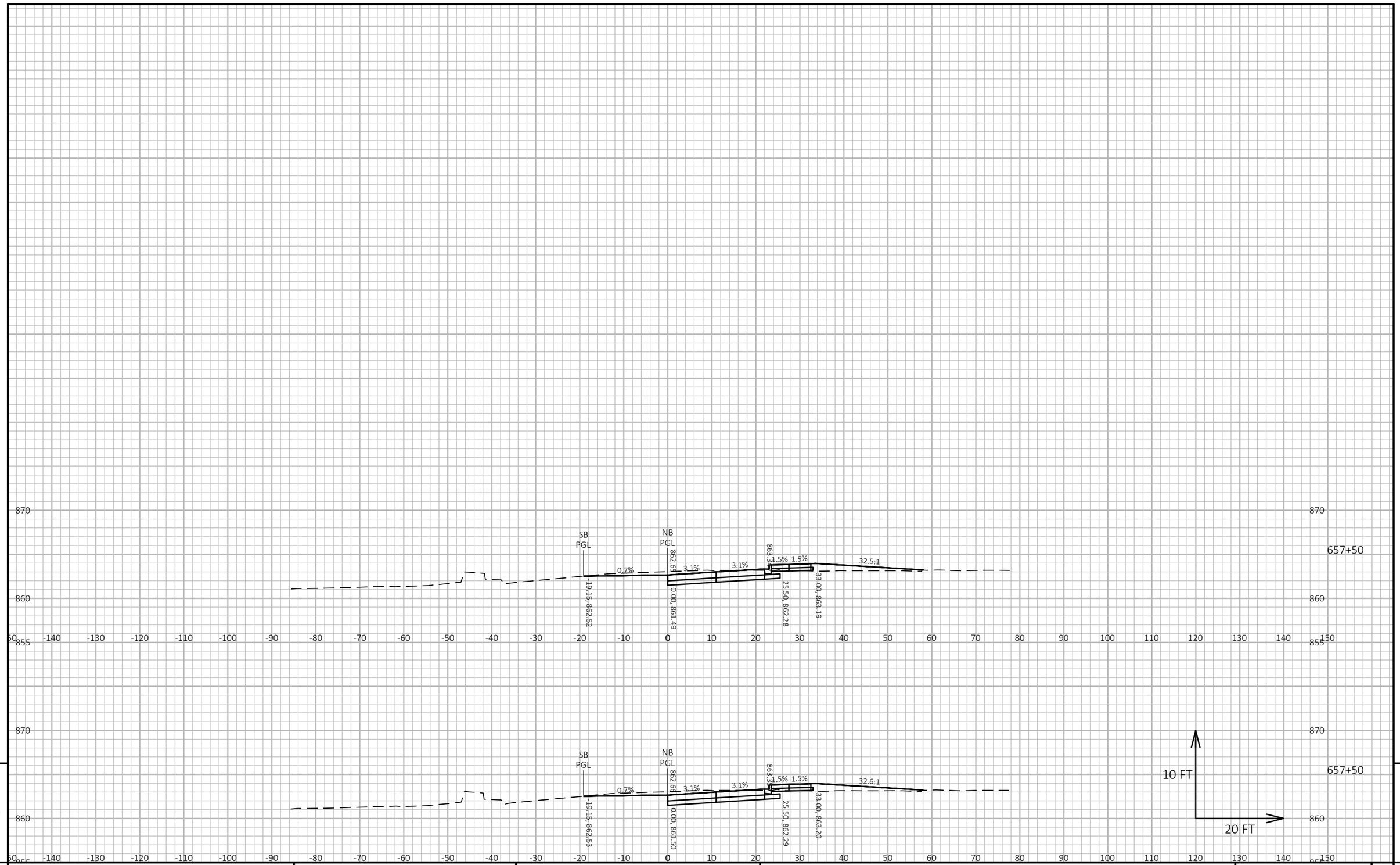


PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	CROSS SECTIONS: TRAFFIC CONTROL - POST STAGE 3	SHEET 1182 E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\SINGLE LET_ALL IDS\090201_XS_SUMMER_S3.DWG
LAYOUT NAME - 37

PLOT DATE : 2/12/2026 10:46 AM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

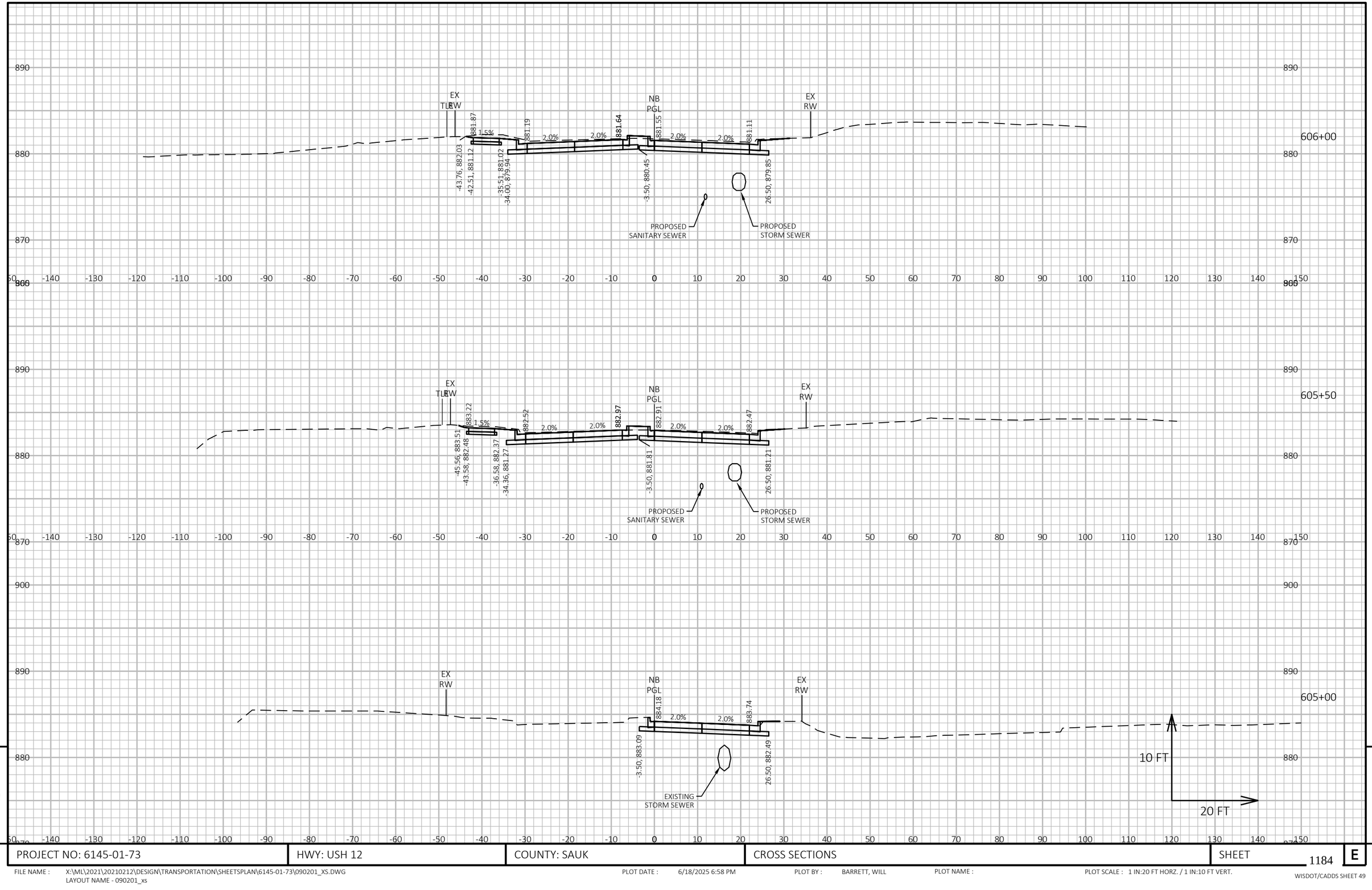
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PROJECT NO: 6145-01-72/73/74	HWY: USH 12	COUNTY: SAUK	CROSS SECTIONS: TRAFFIC CONTROL - POST STAGE 3	SHEET 1183	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\SINGLE LET_ALL IDS\090201_XS_SUMMER_S3.DWG
LAYOUT NAME - 38

PLOT DATE : 2/12/2026 10:47 AM PLOT BY : CHAPMAN, JULIE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

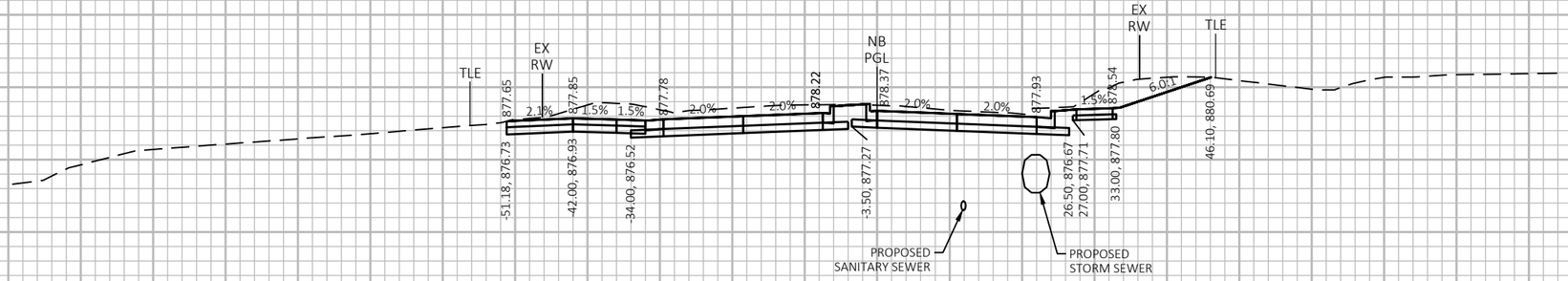
PROJECT NO: 6145-01-73	HWY: USH 12	COUNTY: SAUK	CROSS SECTIONS	SHEET 1184	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-73\090201_XS.DWG
LAYOUT NAME - 090201_xs

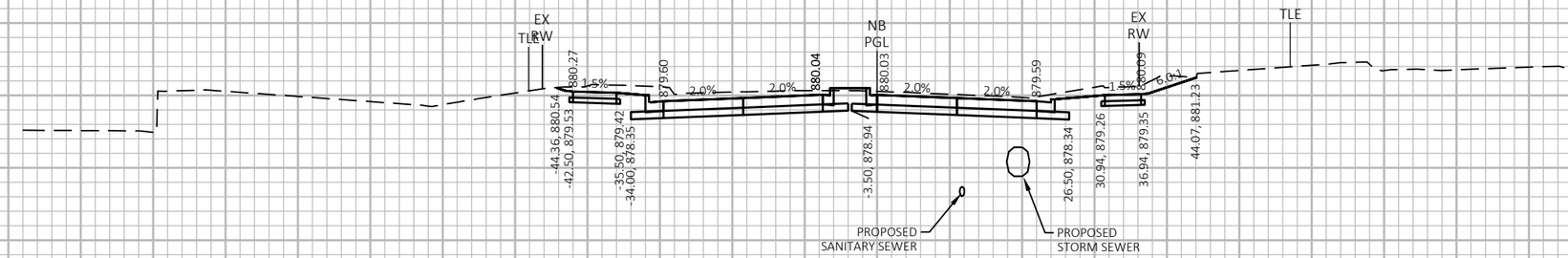
PLOT DATE : 6/18/2025 6:58 PM PLOT BY : BARRETT, WILL PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

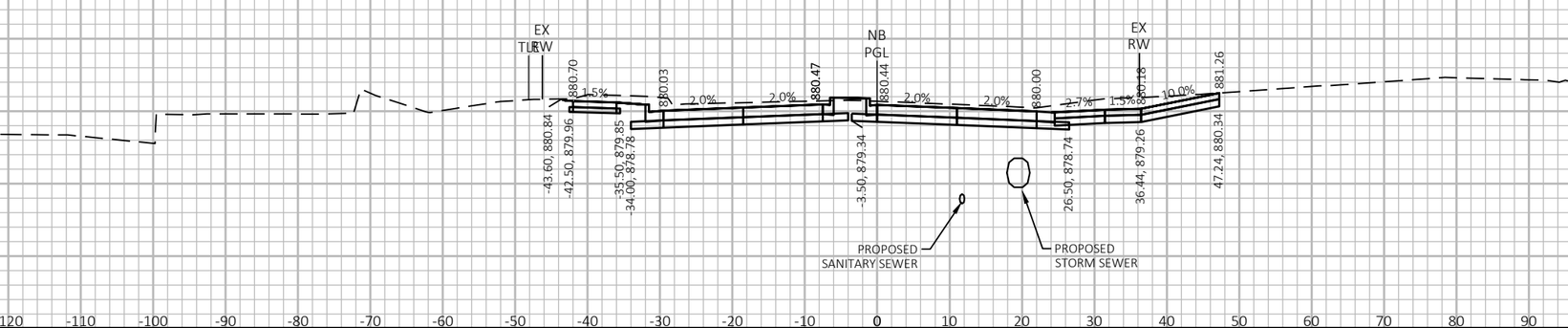
607+00

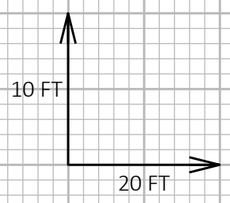


606+50



606+37





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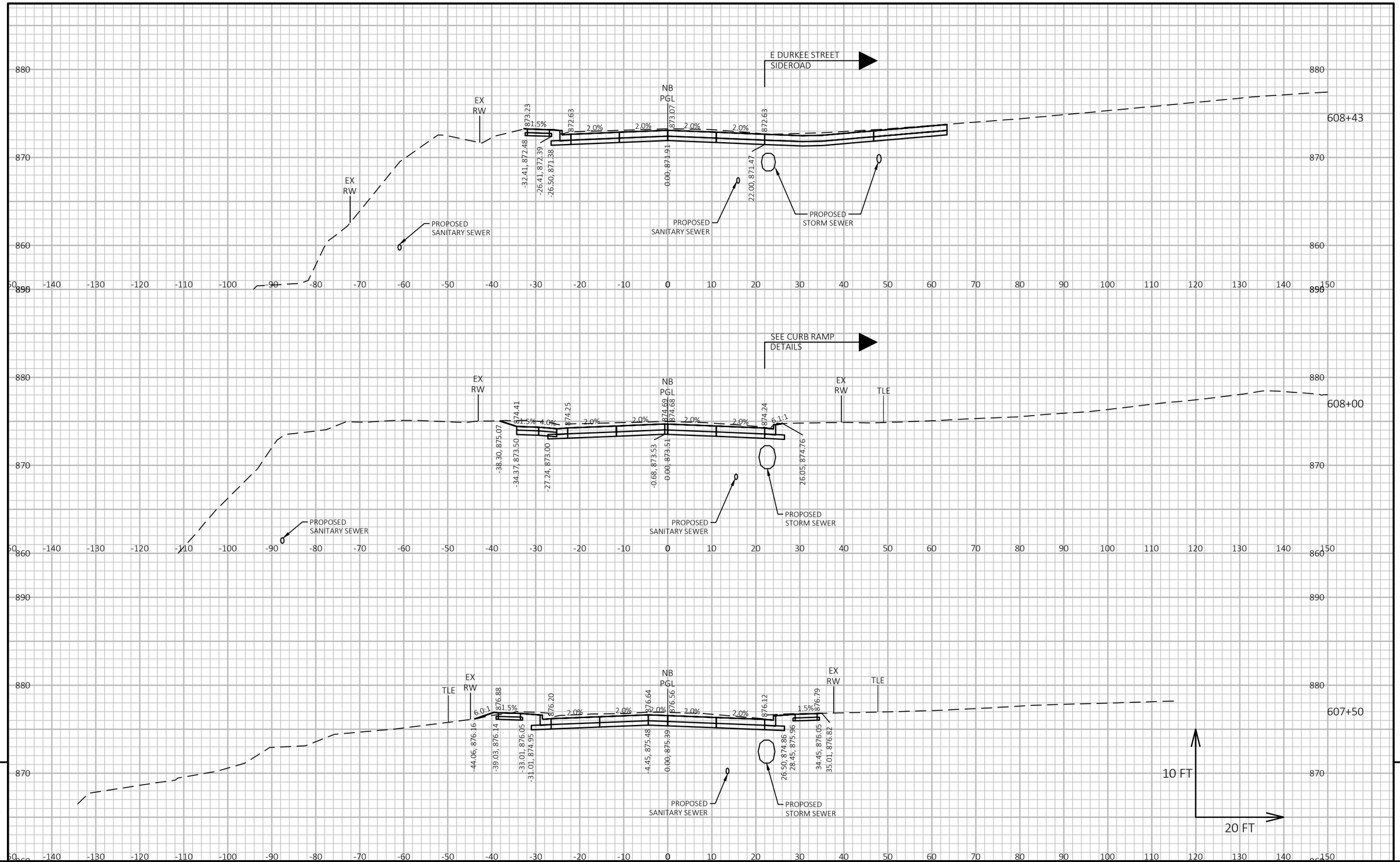
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PROJECT NO: 6145-01-73	HWY: USH 12	COUNTY: SAUK	CROSS SECTIONS	SHEET 1185	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-73\090201_XS.DWG
LAYOUT NAME - 090202_xs

PLOT DATE : 6/18/2025 6:58 PM PLOT BY : BARRETT, WILL PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

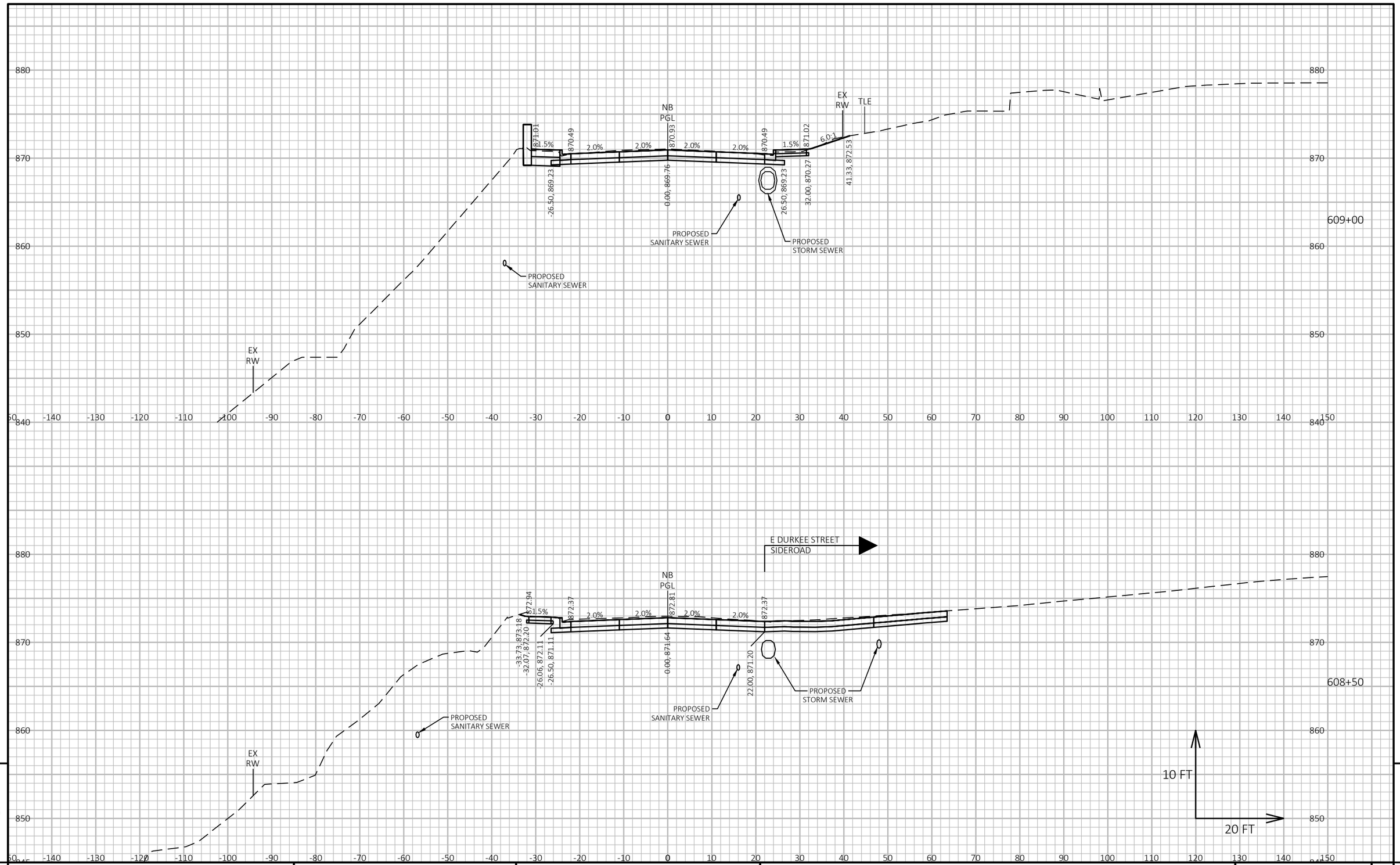
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PROJECT NO: 6145-01-73	HWY: USH 12	COUNTY: SAUK	CROSS SECTIONS	SHEET 1186	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-73\090201_XS.DWG
LAYOUT NAME - 090203_xs

PLOT DATE : 6/18/2025 6:58 PM PLOT BY : BARRETT, WILL PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

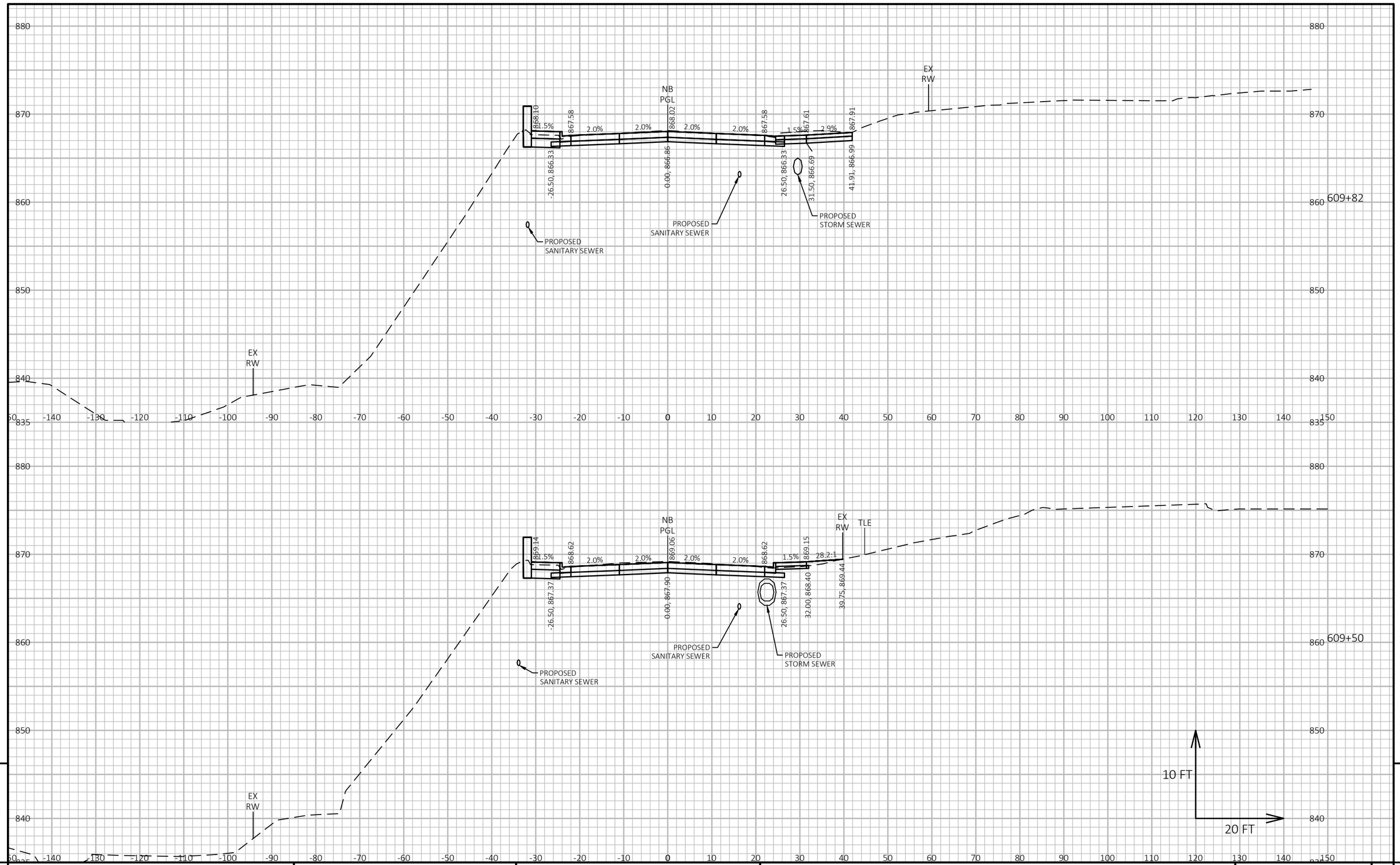


PROJECT NO: 6145-01-73	HWY: USH 12	COUNTY: SAUK	CROSS SECTIONS	SHEET 1187 E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-73\090201_XS.DWG
LAYOUT NAME - 090204_xs

PLOT DATE : 6/18/2025 6:59 PM PLOT BY : BARRETT, WILL PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

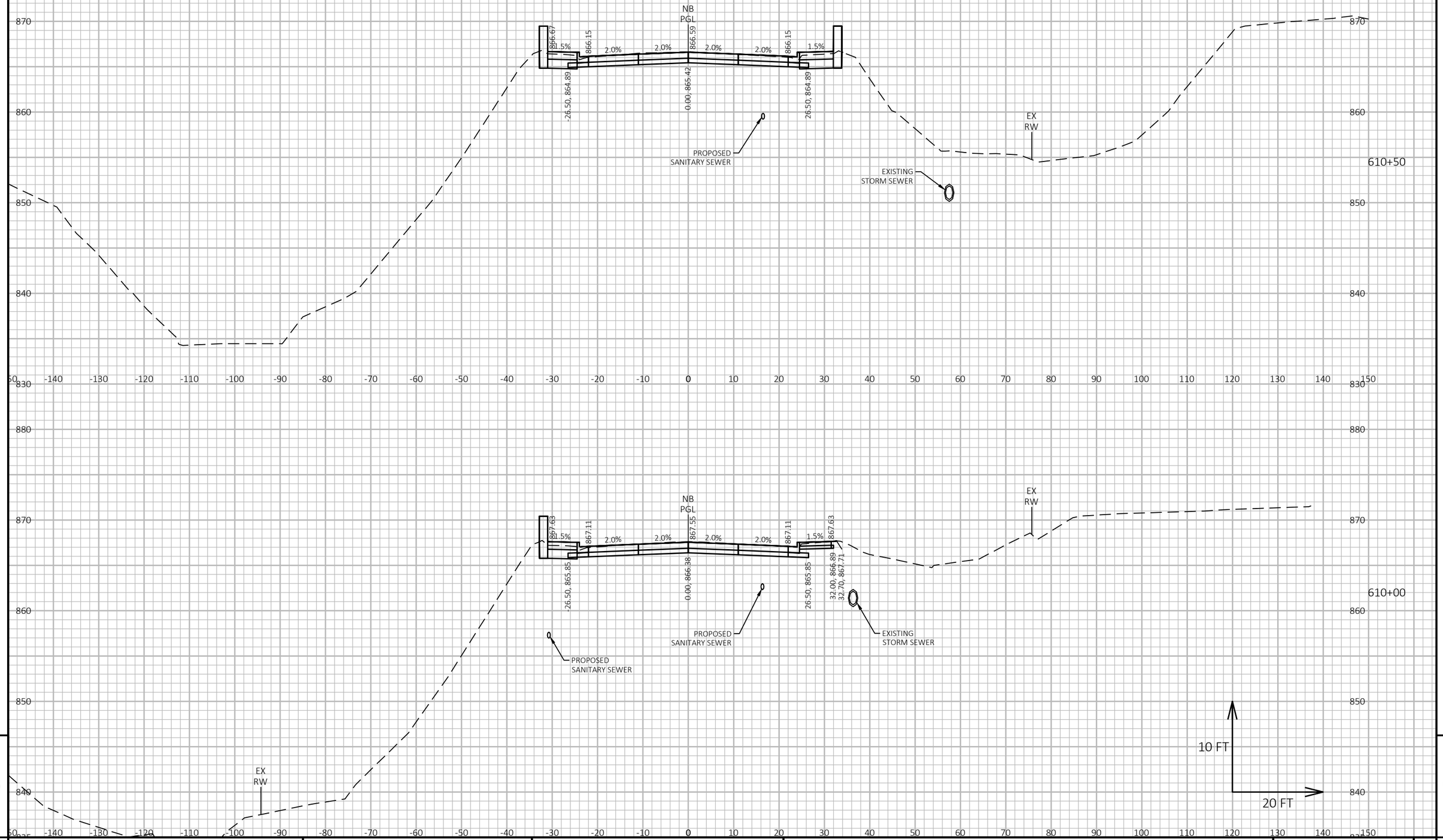
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PROJECT NO: 6145-01-73	HWY: USH 12	COUNTY: SAUK	CROSS SECTIONS	SHEET 1188	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-73\090201_XS.DWG
LAYOUT NAME - 090205_xs

PLOT DATE : 6/18/2025 6:59 PM PLOT BY : BARRETT, WILL PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 6145-01-73	HWY: USH 12	COUNTY: SAUK	CROSS SECTIONS	SHEET 1189	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-73\090201_XS.DWG
LAYOUT NAME - 090206_xs

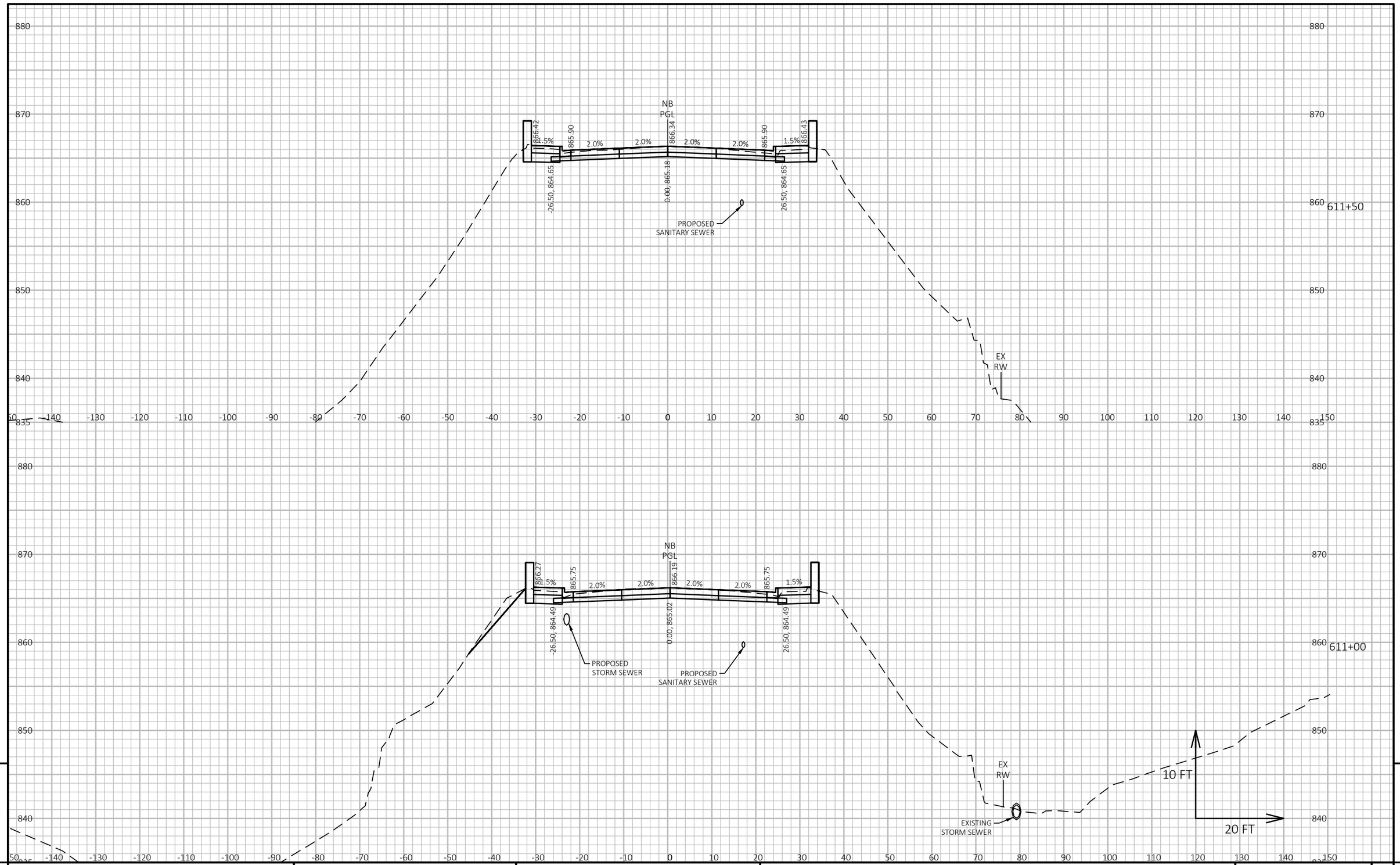
PLOT DATE : 6/18/2025 6:59 PM

PLOT BY : BARRETT, WILL

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

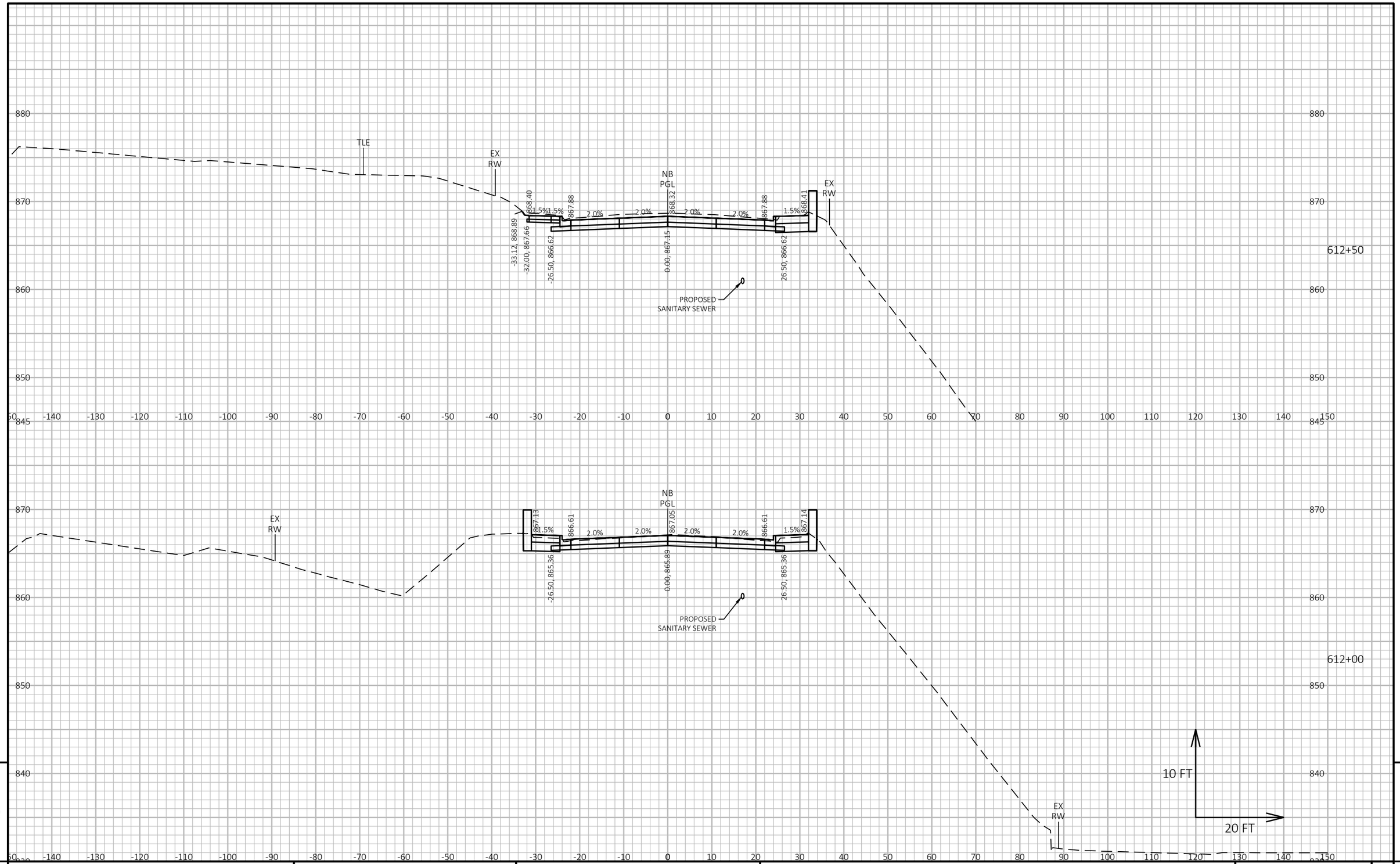
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PROJECT NO: 6145-01-73	HWY: USH 12	COUNTY: SAUK	CROSS SECTIONS	SHEET 1190	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-73\090201_XS.DWG
LAYOUT NAME - 090207_xs

PLOT DATE : 6/18/2025 6:59 PM PLOT BY : BARRETT, WILL PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 6145-01-73	HWY: USH 12	COUNTY: SAUK	CROSS SECTIONS	SHEET 1191	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-73\090201_XS.DWG
LAYOUT NAME - 090208_xs

PLOT DATE : 6/18/2025 6:59 PM PLOT BY : BARRETT, WILL PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

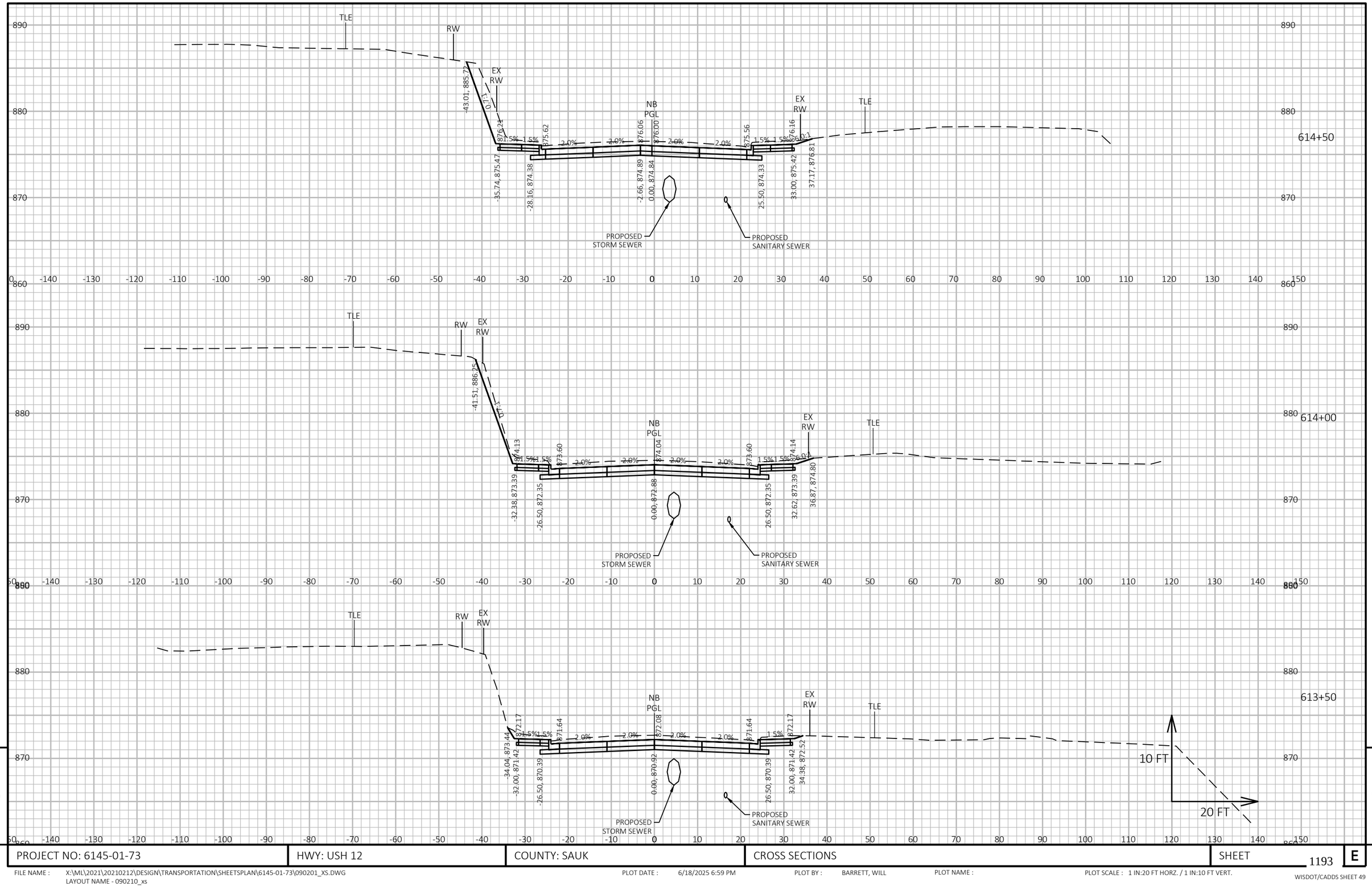
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PROJECT NO: 6145-01-73	HWY: USH 12	COUNTY: SAUK	CROSS SECTIONS	SHEET 1192	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-73\090201_XS.DWG
LAYOUT NAME - 090209_xs

PLOT DATE : 6/18/2025 6:59 PM PLOT BY : BARRETT, WILL PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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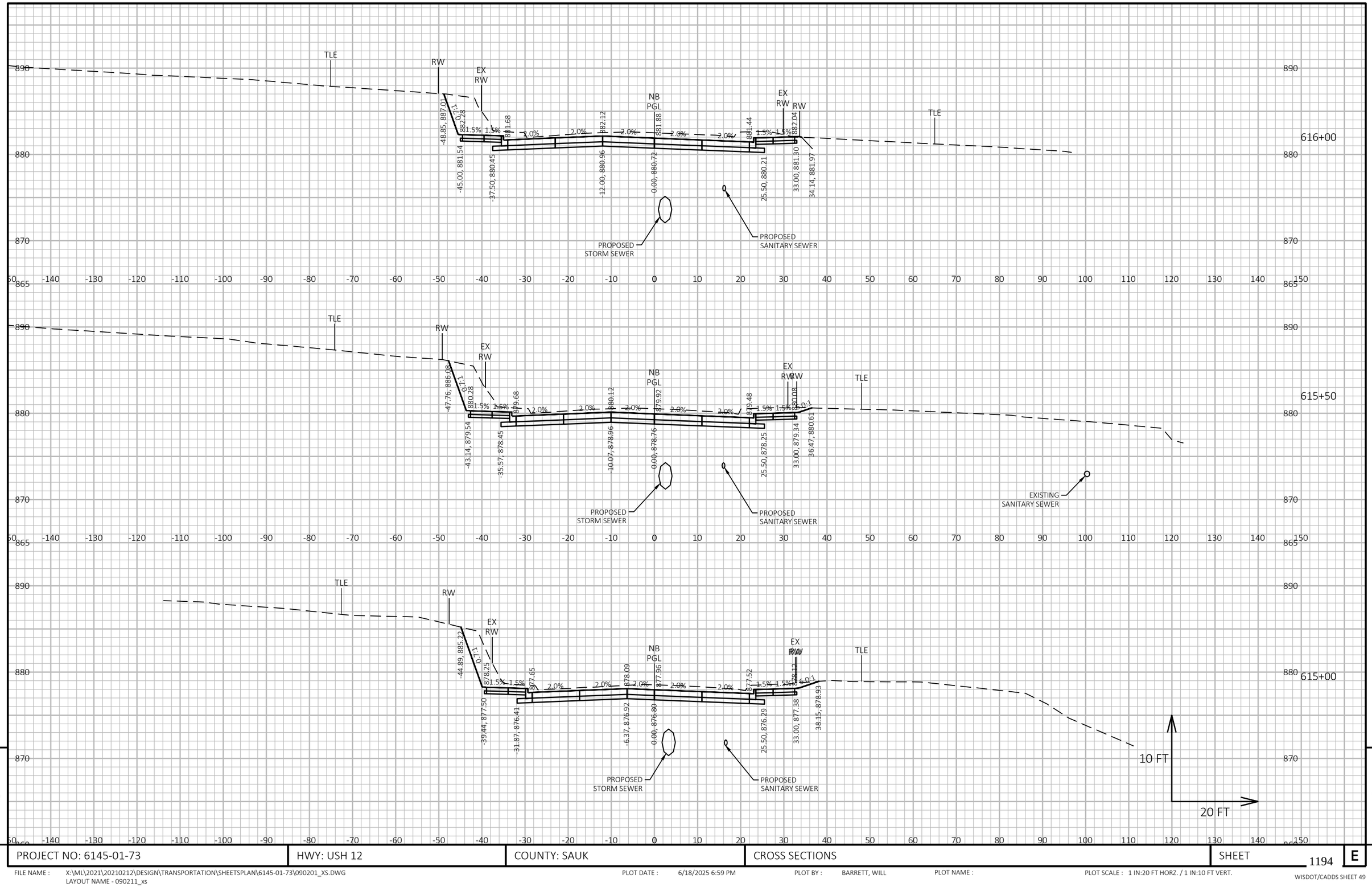
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PROJECT NO: 6145-01-73	HWY: USH 12	COUNTY: SAUK	CROSS SECTIONS	SHEET 1193	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-73\090201_XS.DWG
LAYOUT NAME - 090210_xs

PLOT DATE : 6/18/2025 6:59 PM PLOT BY : BARRETT, WILL PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

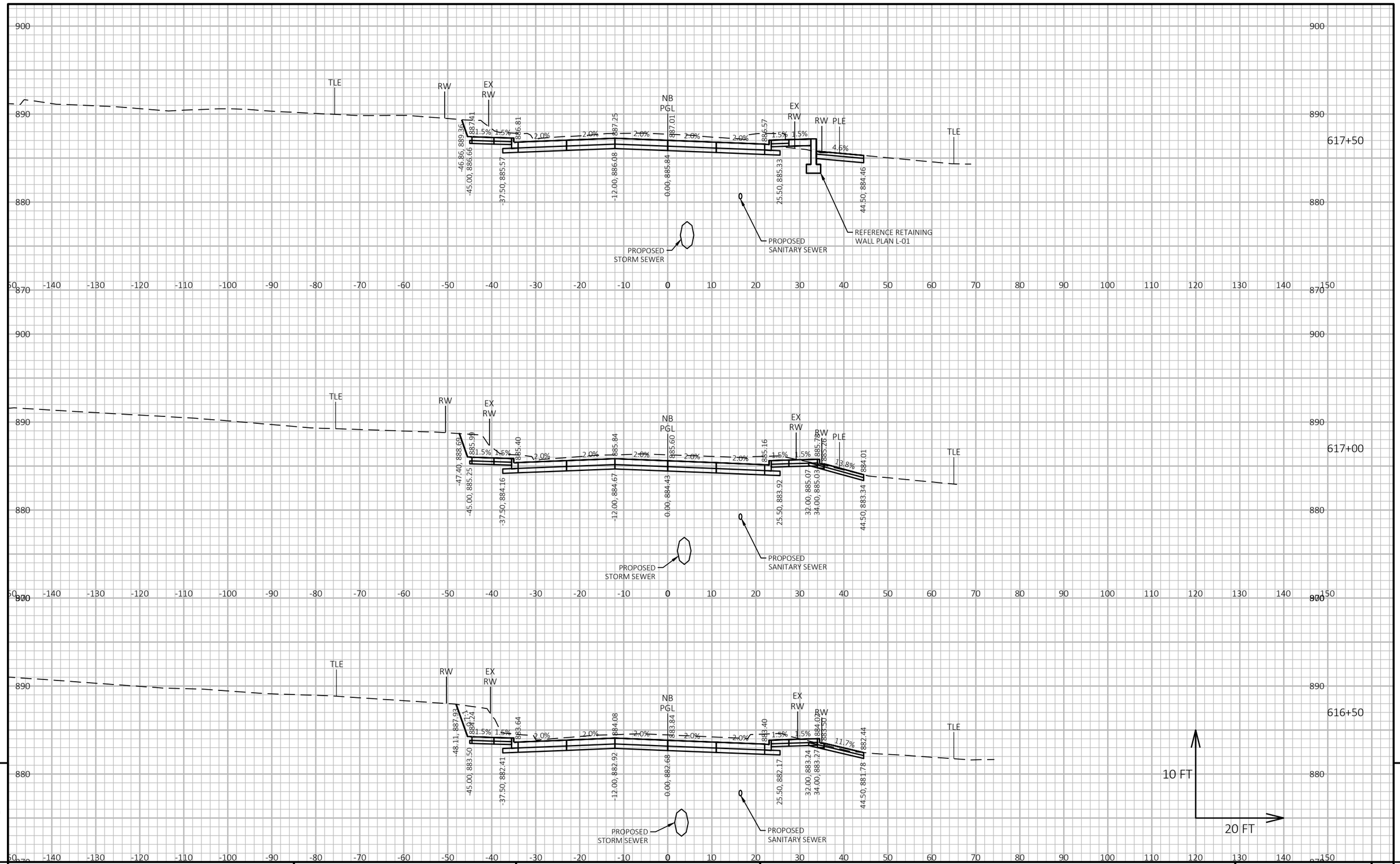


PROJECT NO: 6145-01-73	HWY: USH 12	COUNTY: SAUK	CROSS SECTIONS	SHEET 1194	E

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LAYOUT NAME - 090211_xs

PLOT DATE : 6/18/2025 6:59 PM PLOT BY : BARRETT, WILL PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

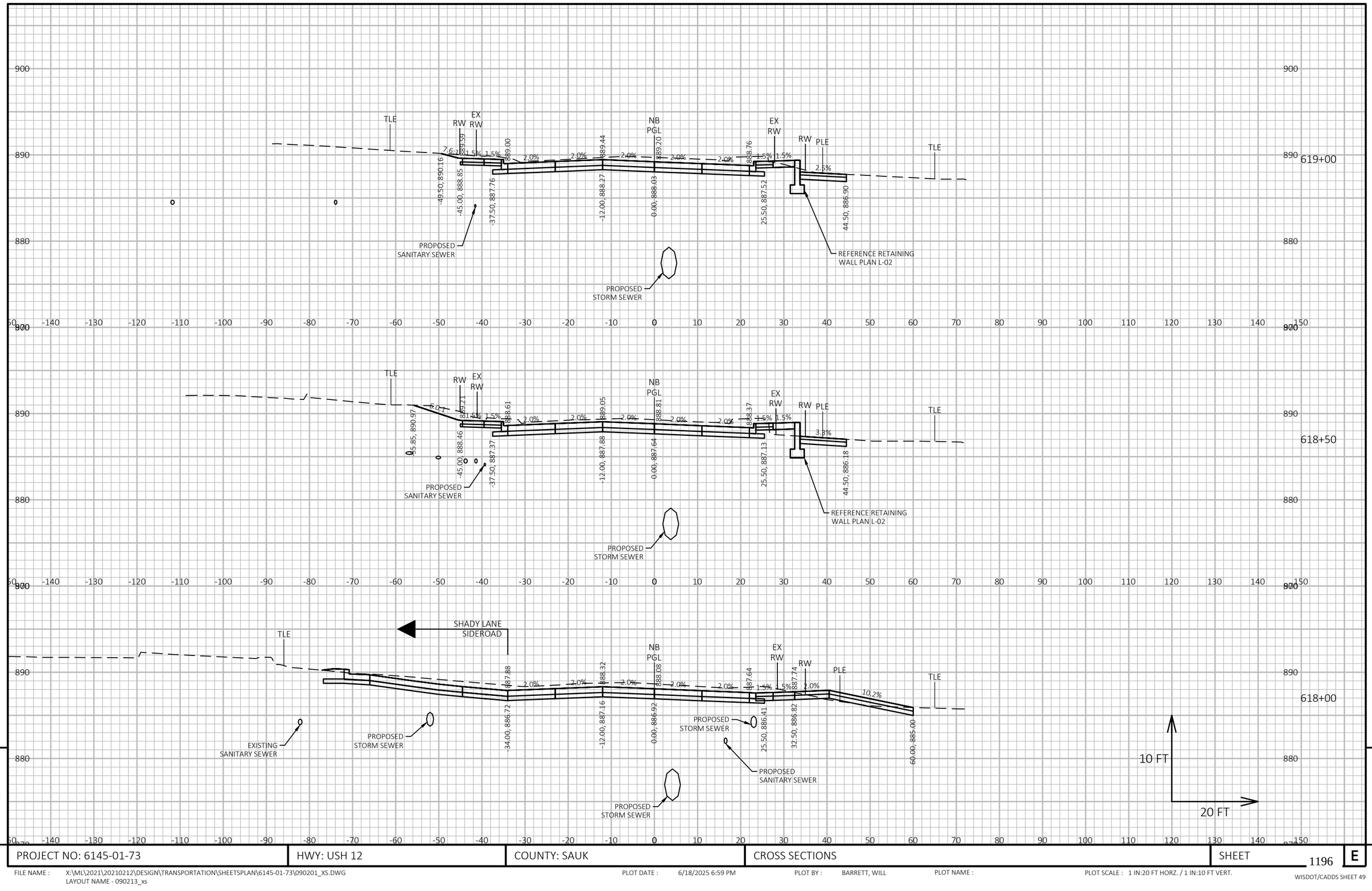


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PROJECT NO: 6145-01-73	HWY: USH 12	COUNTY: SAUK	CROSS SECTIONS	SHEET 1195	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-73\090201_XS.DWG
LAYOUT NAME - 090212_xs
PLOT DATE : 6/18/2025 6:59 PM
PLOT BY : BARRETT, WILL
PLOT NAME :
PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.
WISDOT/CADDS SHEET 49

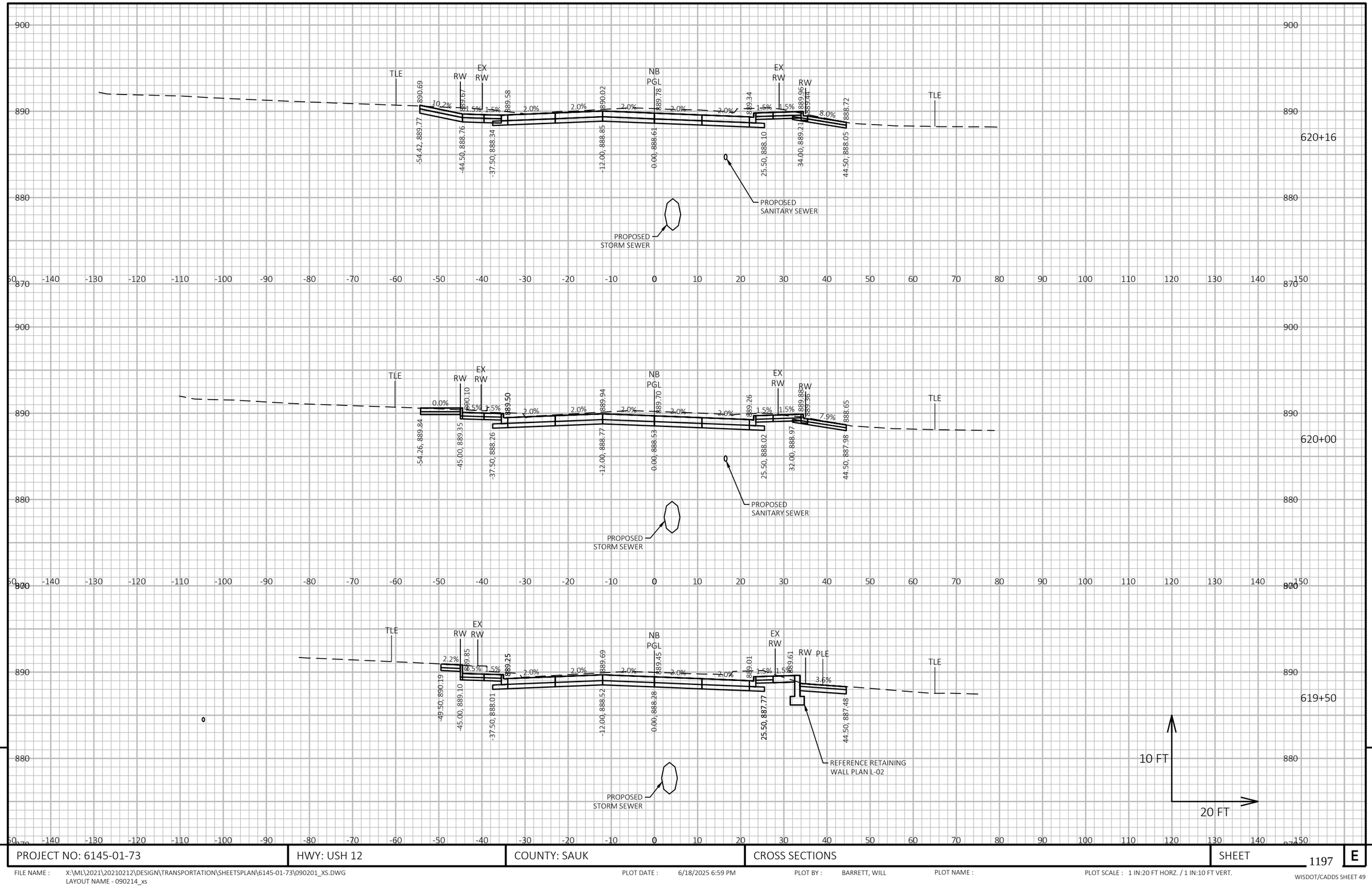


PROJECT NO: 6145-01-73	HWY: USH 12	COUNTY: SAUK	CROSS SECTIONS	SHEET 1196	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-73\090201_XS.DWG
LAYOUT NAME - 090213_xs

PLOT DATE : 6/18/2025 6:59 PM PLOT BY : BARRETT, WILL PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 6145-01-73	HWY: USH 12	COUNTY: SAUK	CROSS SECTIONS	SHEET 1197	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-73\090201_XS.DWG
LAYOUT NAME - 090214_xs

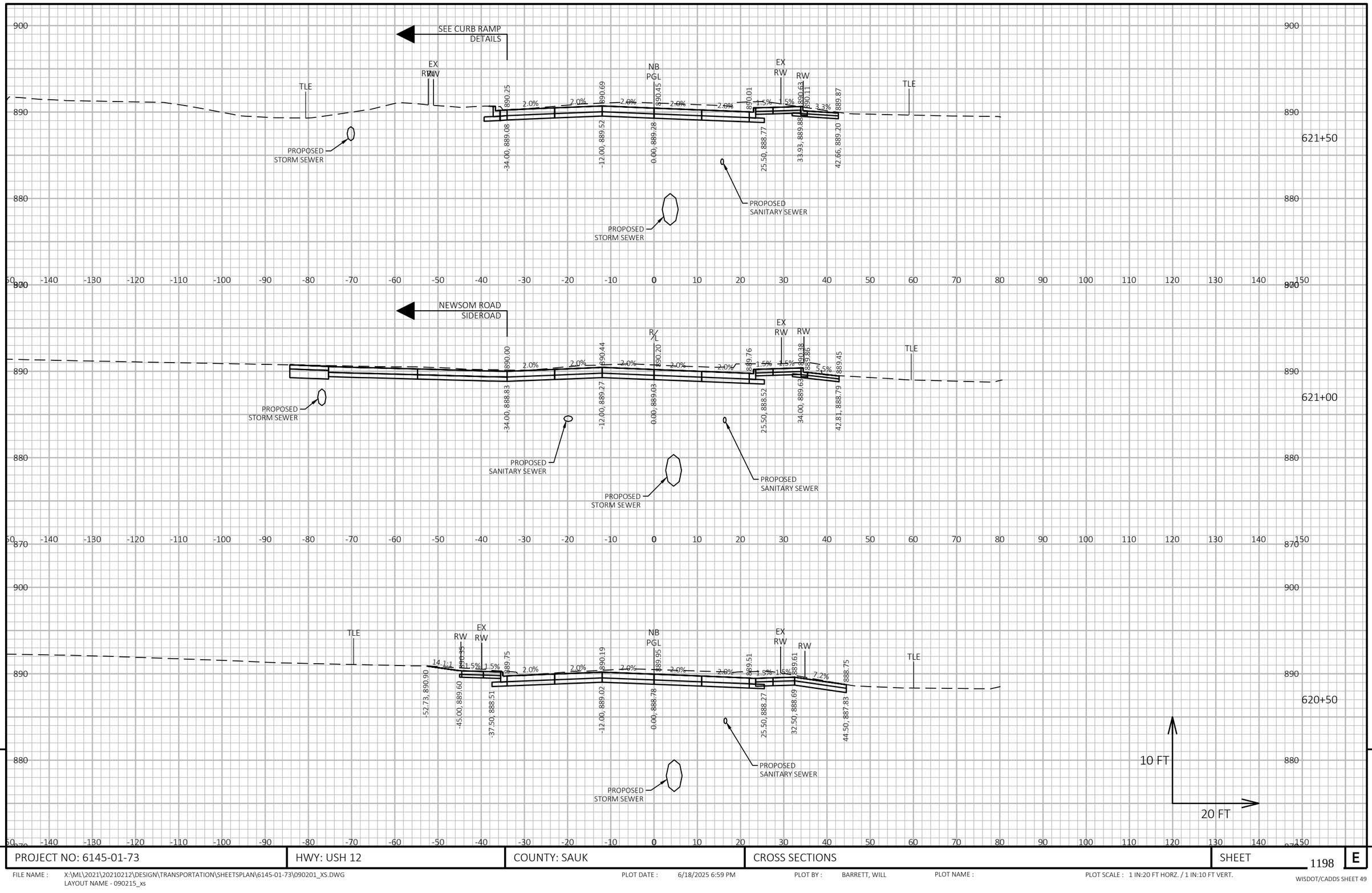
PLOT DATE : 6/18/2025 6:59 PM

PLOT BY : BARRETT, WILL

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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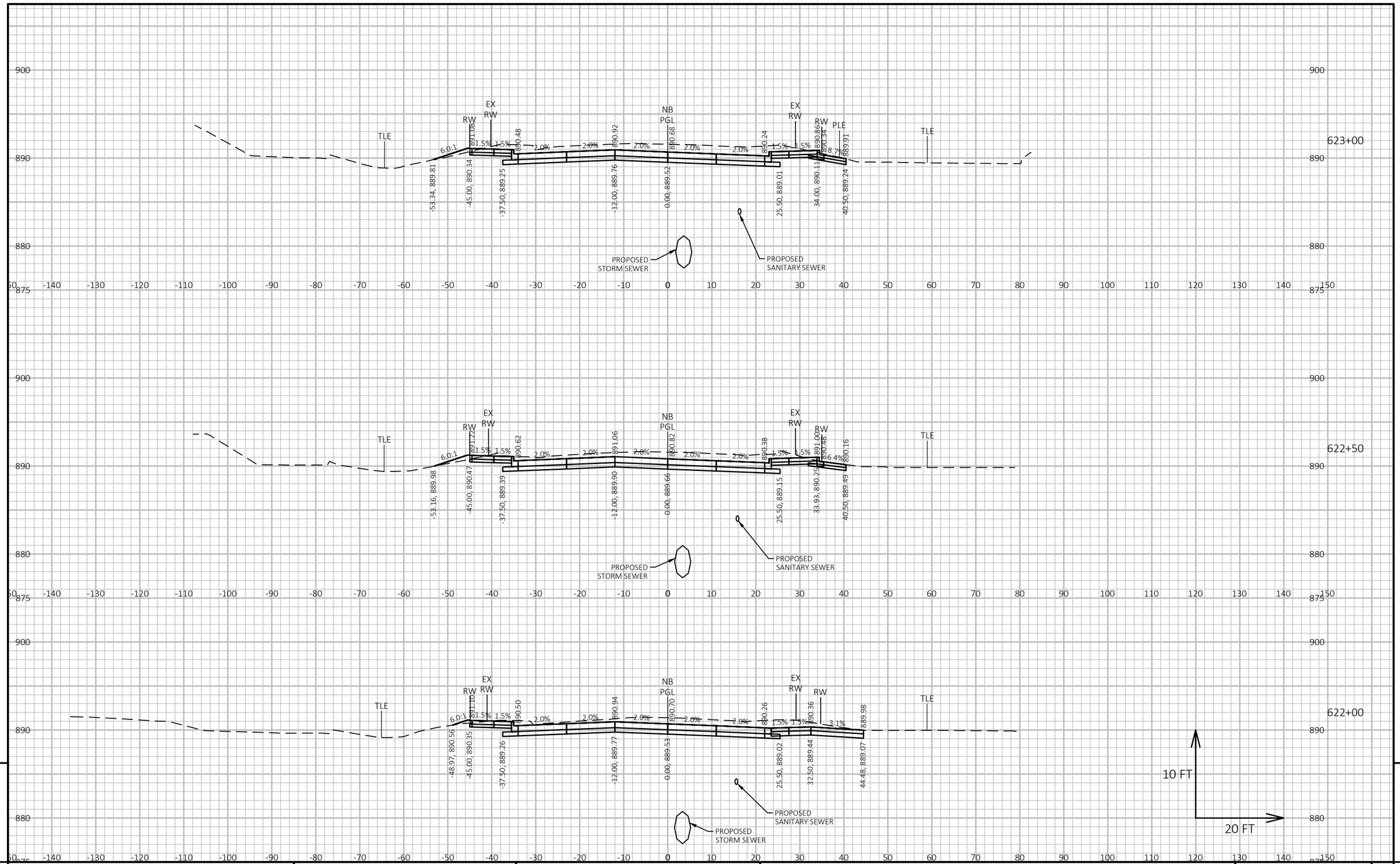
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PROJECT NO: 6145-01-73	HWY: USH 12	COUNTY: SAUK	CROSS SECTIONS	SHEET 1198	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-73\090201_XS.DWG
LAYOUT NAME - 090215_xs

PLOT DATE : 6/18/2025 6:59 PM PLOT BY : BARRETT, WILL PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

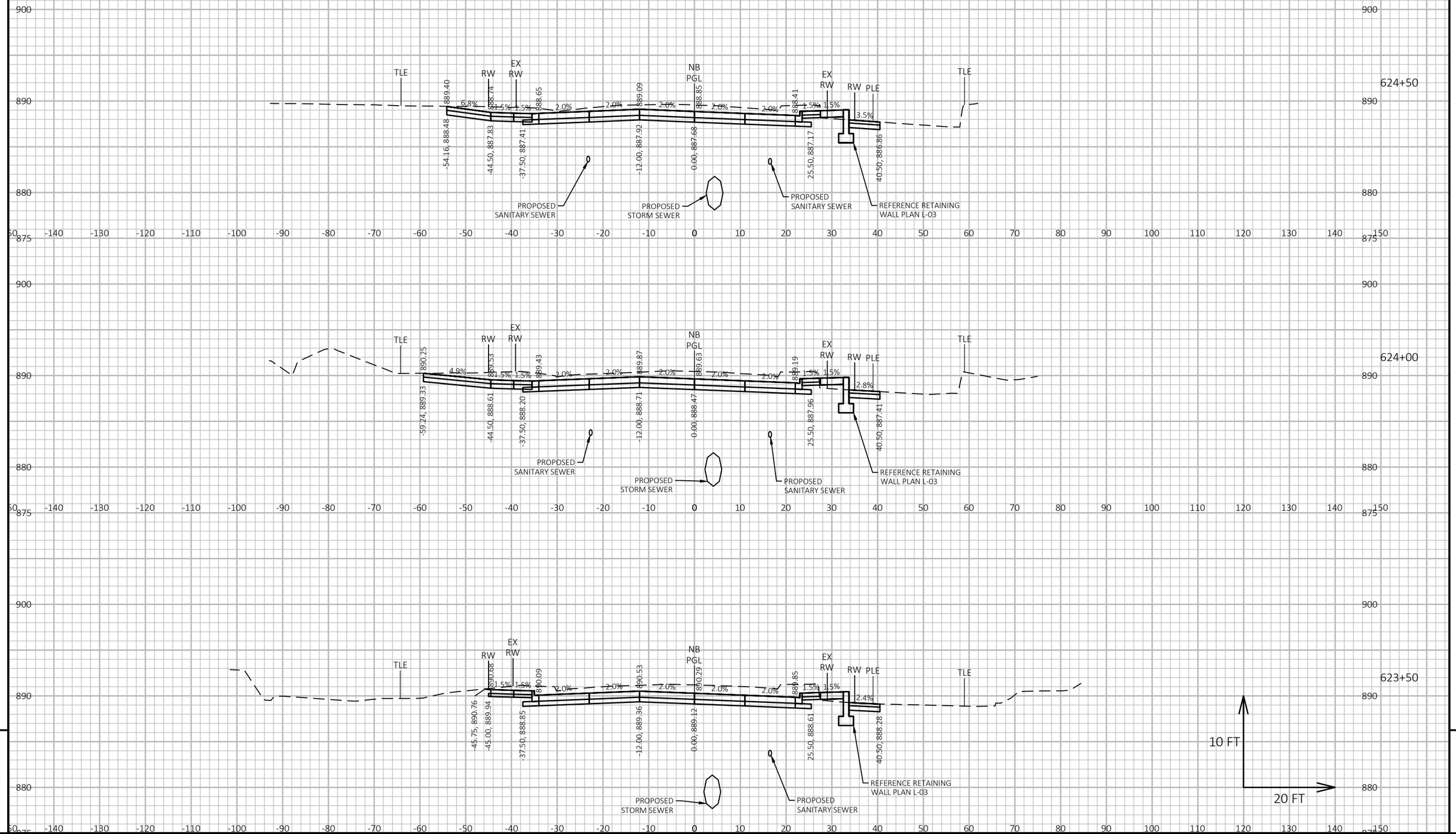


PROJECT NO: 6145-01-73	HWY: USH 12	COUNTY: SAUK	CROSS SECTIONS	SHEET 1199	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-73\090201_XS.DWG
LAYOUT NAME - 090216_xs

PLOT DATE : 6/18/2025 6:59 PM PLOT BY : BARRETT, WILL PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

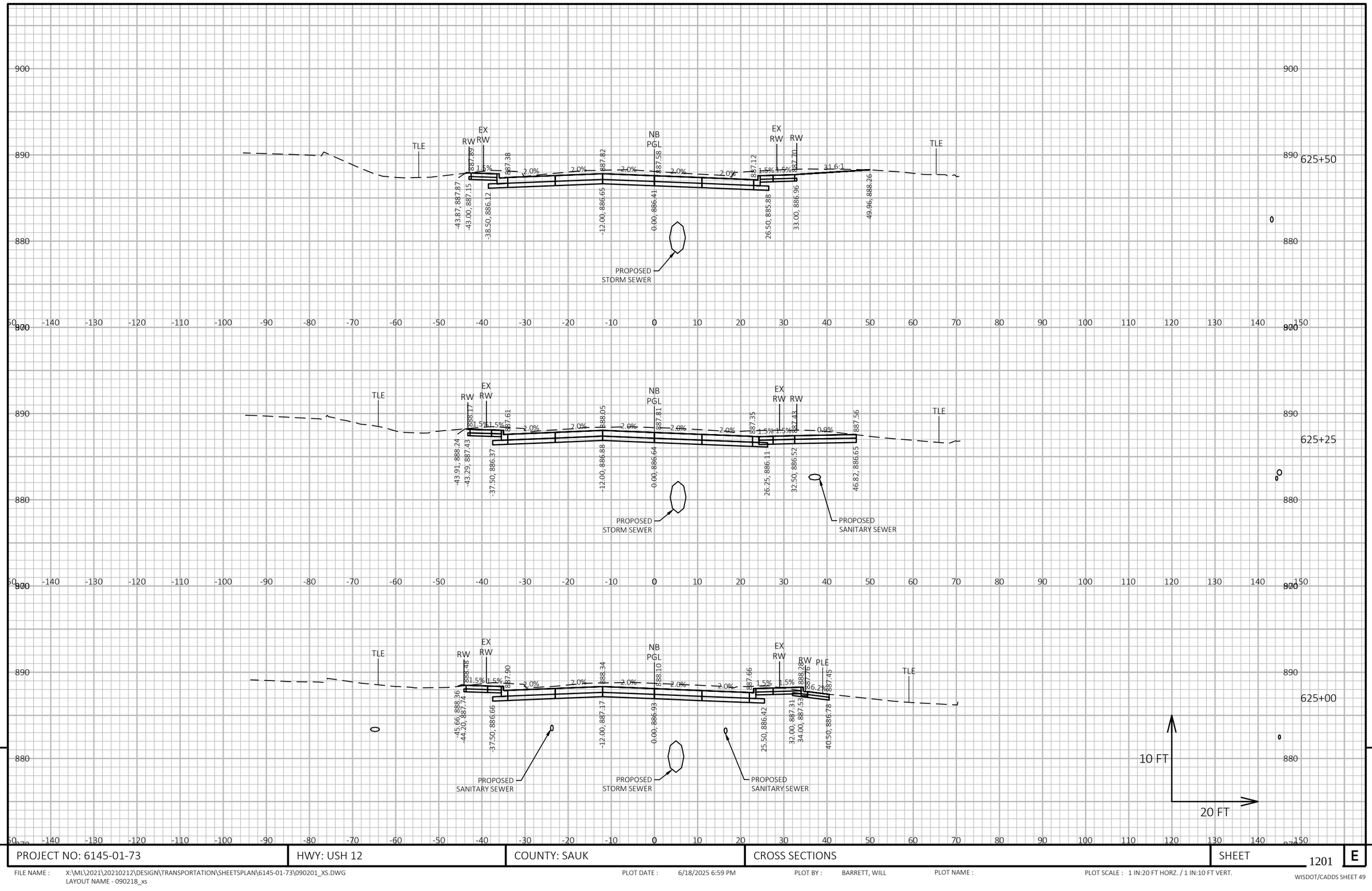


PROJECT NO: 6145-01-73	HWY: USH 12	COUNTY: SAUK	CROSS SECTIONS	SHEET 1200	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-73\090201_XS.DWG
LAYOUT NAME - 090217_xs

PLOT DATE : 6/18/2025 6:59 PM PLOT BY : BARRETT, WILL PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



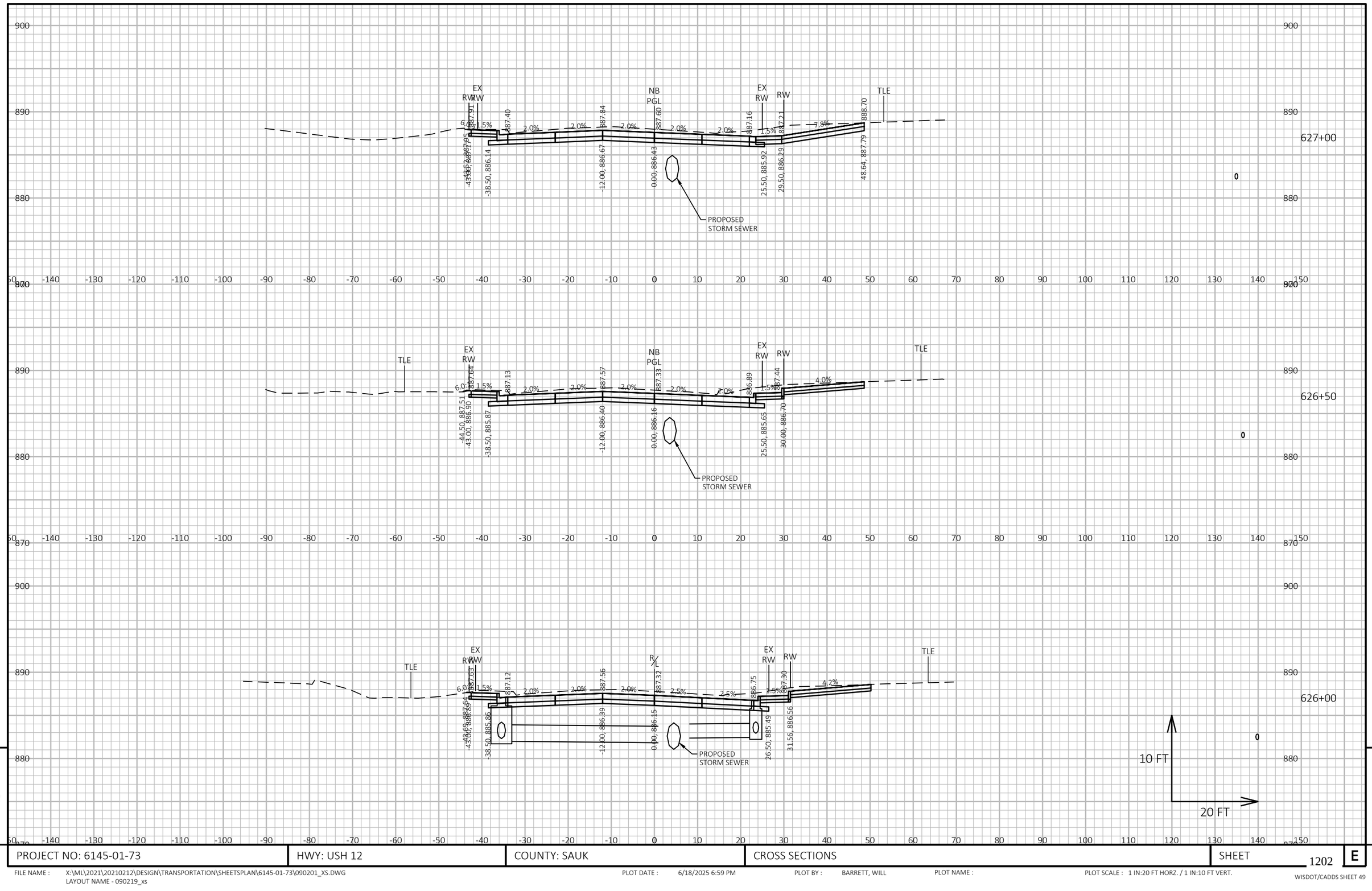
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PROJECT NO: 6145-01-73	HWY: USH 12	COUNTY: SAUK	CROSS SECTIONS	SHEET 1201	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-73\090201_XS.DWG
LAYOUT NAME - 090218_xs

PLOT DATE : 6/18/2025 6:59 PM PLOT BY : BARRETT, WILL PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.



PROJECT NO: 6145-01-73	HWY: USH 12	COUNTY: SAUK	CROSS SECTIONS	SHEET 1202	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-73\090201_XS.DWG
LAYOUT NAME - 090219_xs

PLOT DATE : 6/18/2025 6:59 PM PLOT BY : BARRETT, WILL PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

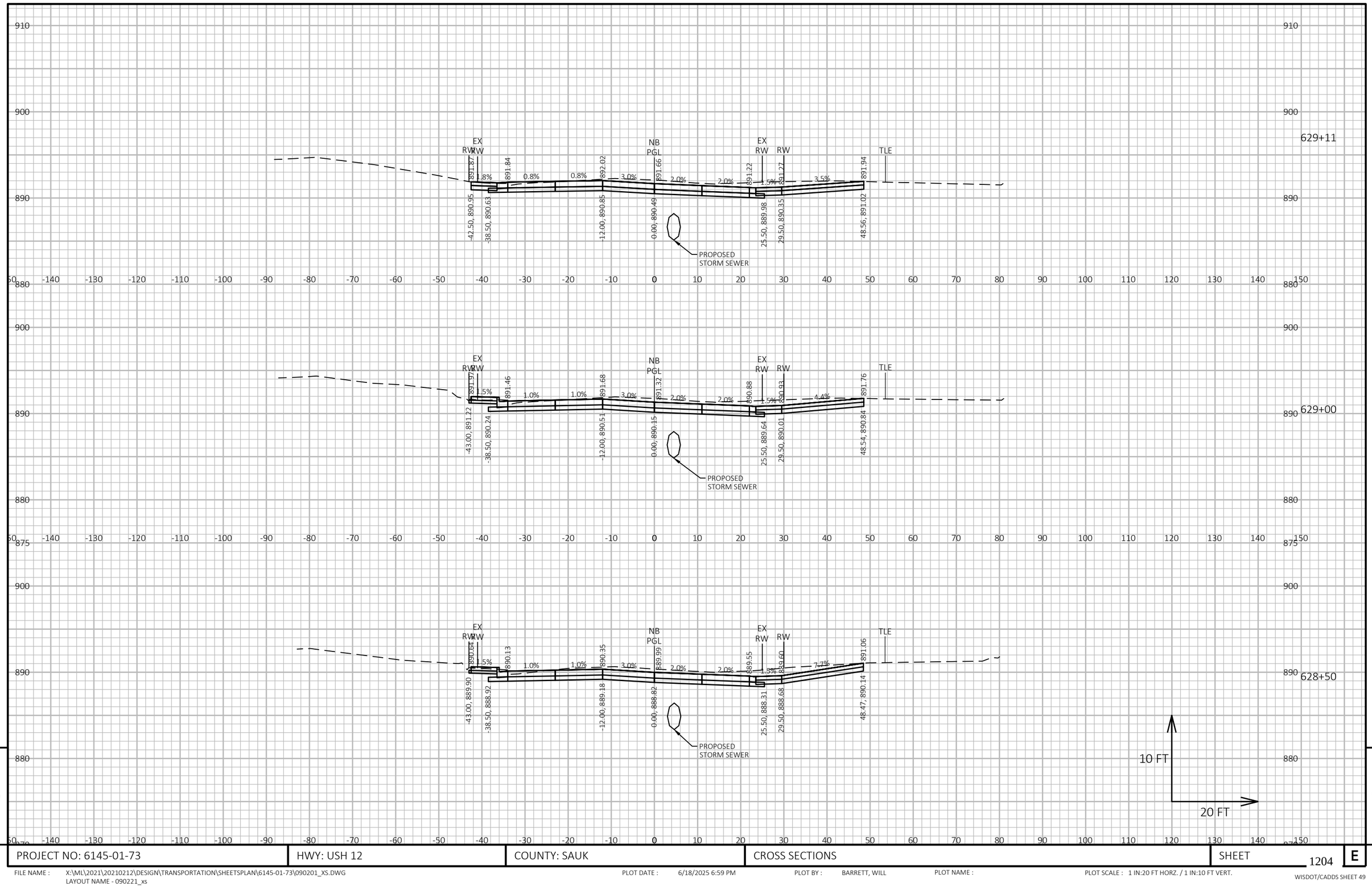
WISDOT/CADDS SHEET 49

PROJECT NO: 6145-01-73	HWY: USH 12	COUNTY: SAUK	CROSS SECTIONS	SHEET 1203	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-73\090201_XS.DWG
LAYOUT NAME - 090220_xs

PLOT DATE : 6/18/2025 6:59 PM PLOT BY : BARRETT, WILL PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

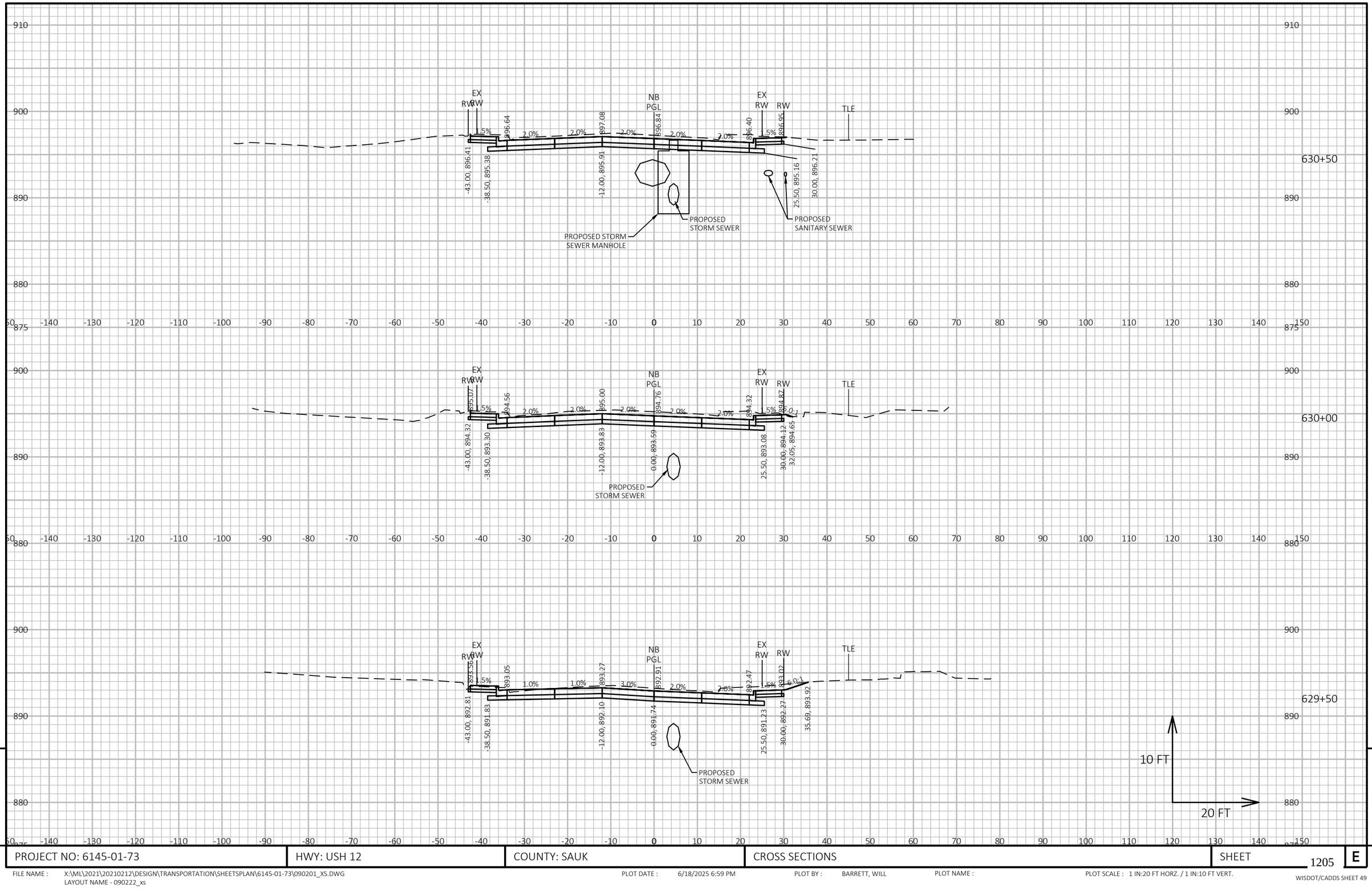


PROJECT NO: 6145-01-73	HWY: USH 12	COUNTY: SAUK	CROSS SECTIONS	SHEET 1204	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-73\090201_XS.DWG
LAYOUT NAME - 090221_xs

PLOT DATE : 6/18/2025 6:59 PM PLOT BY : BARRETT, WILL PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

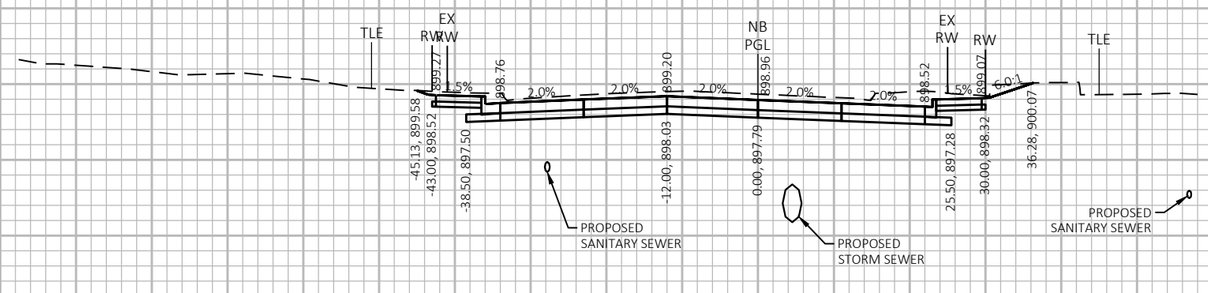


PROJECT NO: 6145-01-73	HWY: USH 12	COUNTY: SAUK	CROSS SECTIONS	SHEET 1205	E

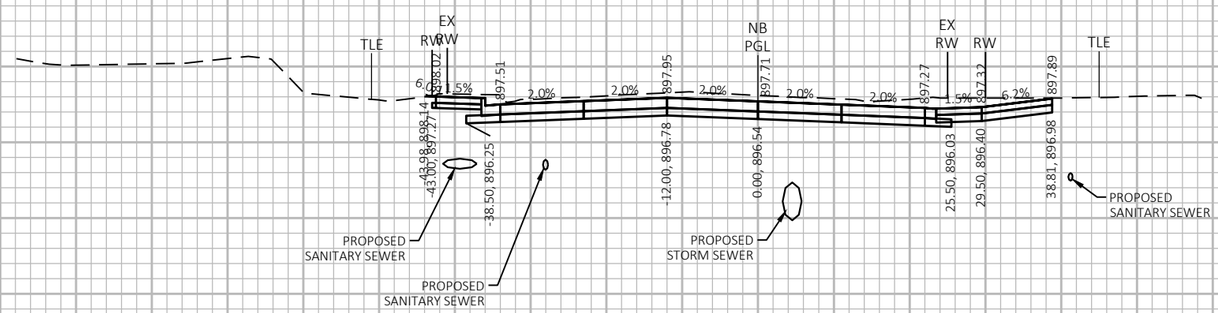
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LAYOUT NAME - 090222_xs

PLOT DATE : 6/18/2025 6:59 PM PLOT BY : BARRETT, WILL PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



631+00



630+70

10 FT

20 FT

9

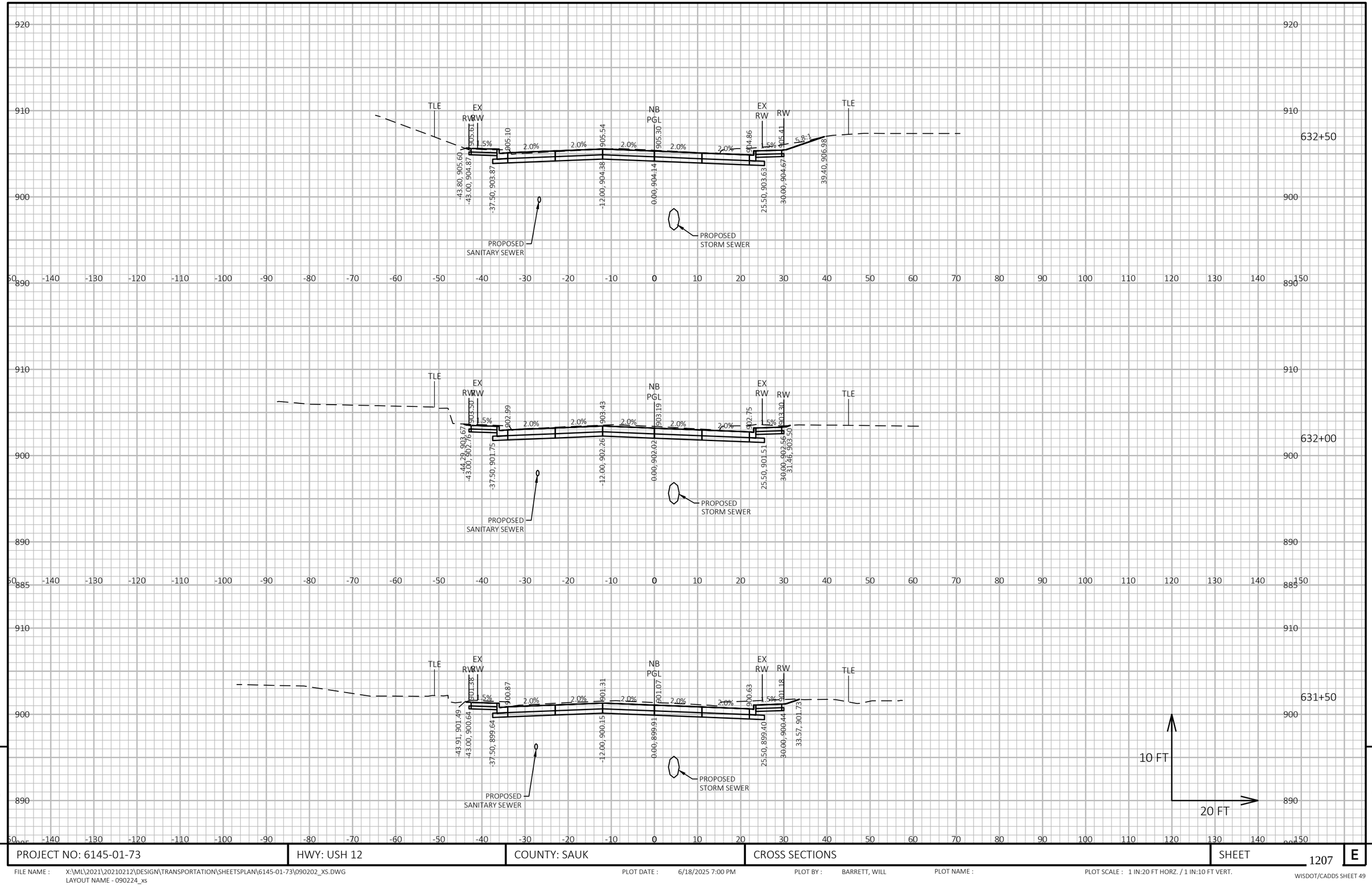
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PROJECT NO: 6145-01-73	HWY: USH 12	COUNTY: SAUK	CROSS SECTIONS	SHEET 1206	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-73\090201_XS.DWG
LAYOUT NAME - 090223_xs

PLOT DATE : 6/18/2025 6:59 PM PLOT BY : BARRETT, WILL PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

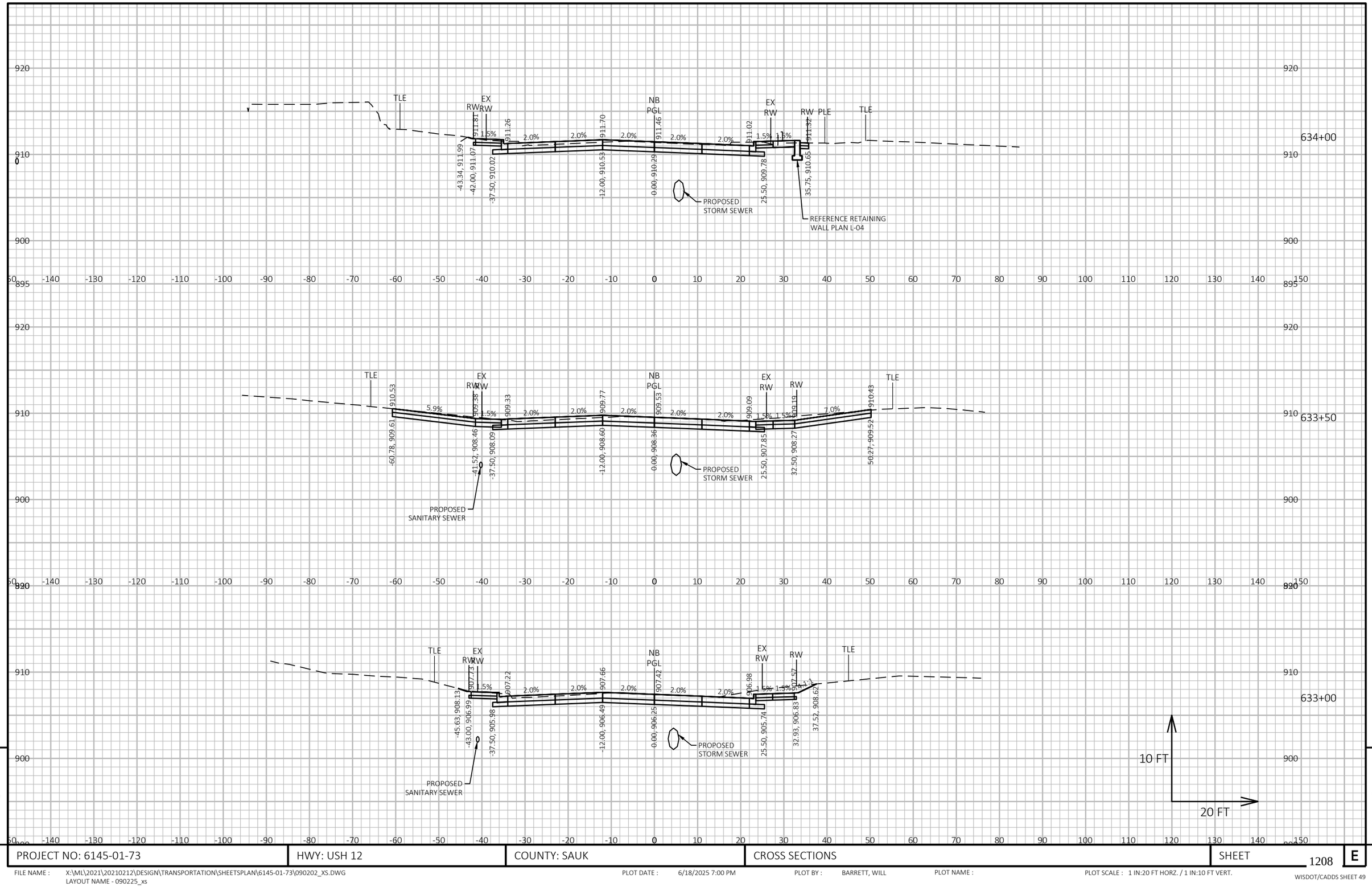
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PROJECT NO: 6145-01-73	HWY: USH 12	COUNTY: SAUK	CROSS SECTIONS	SHEET 1207	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-73\090202_XS.DWG
LAYOUT NAME - 090224_xs

PLOT DATE : 6/18/2025 7:00 PM PLOT BY : BARRETT, WILL PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

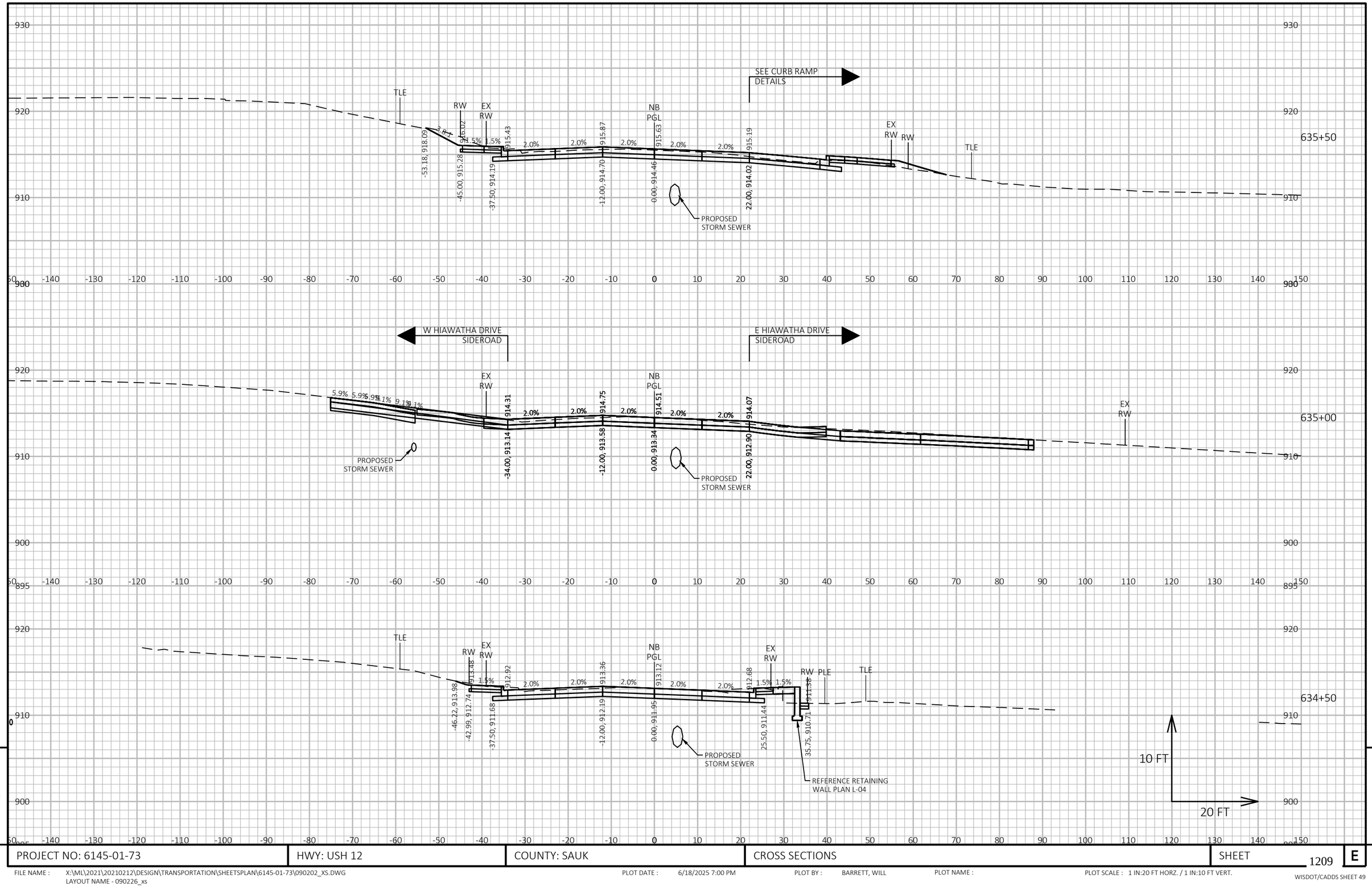


PROJECT NO: 6145-01-73	HWY: USH 12	COUNTY: SAUK	CROSS SECTIONS	SHEET 1208	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-73\090202_XS.DWG
LAYOUT NAME - 090225_xs

PLOT DATE : 6/18/2025 7:00 PM PLOT BY : BARRETT, WILL PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

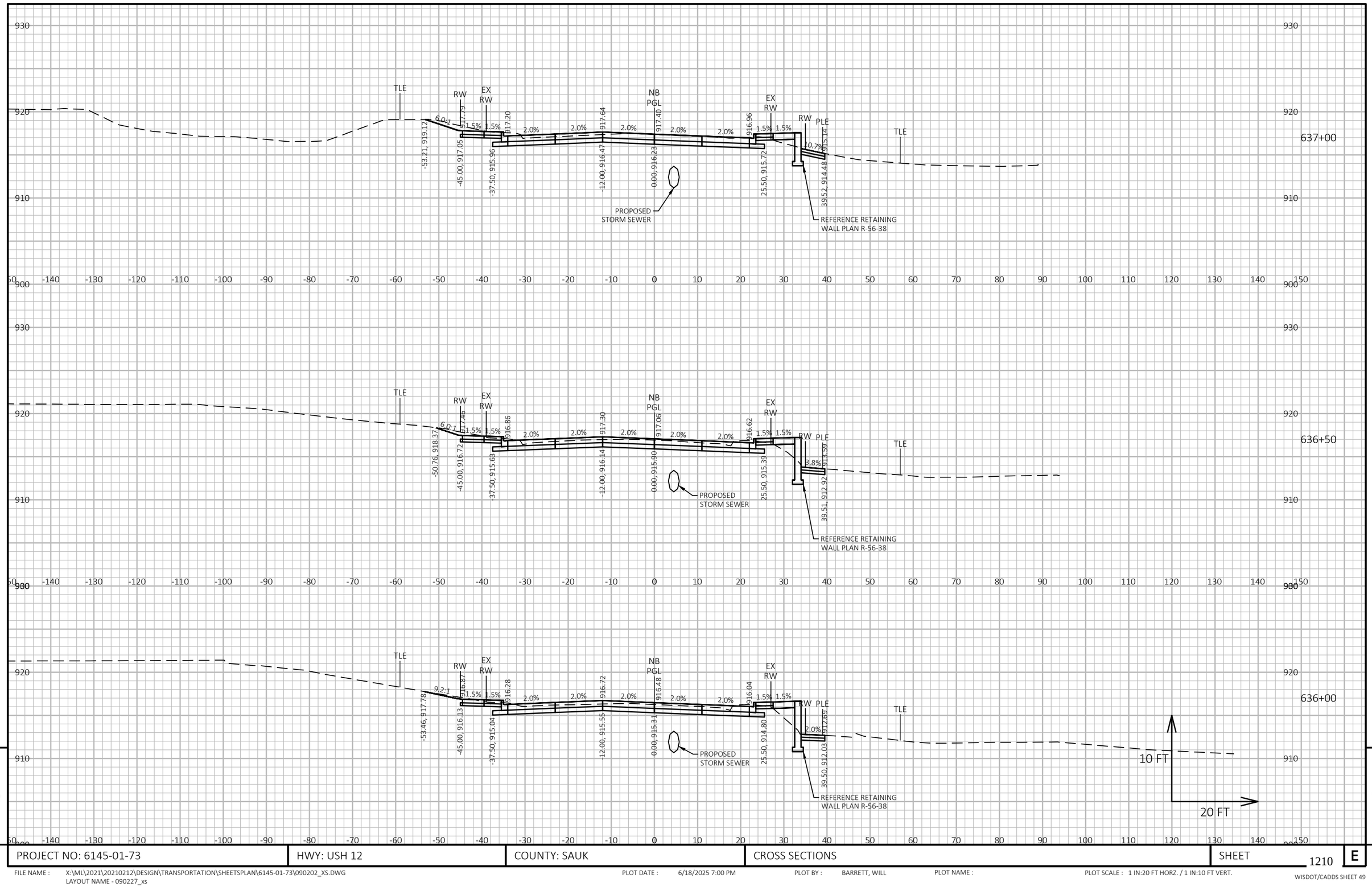


PROJECT NO: 6145-01-73	HWY: USH 12	COUNTY: SAUK	CROSS SECTIONS	SHEET 1209	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-73\090202_XS.DWG
LAYOUT NAME - 090226_xs

PLOT DATE : 6/18/2025 7:00 PM PLOT BY : BARRETT, WILL PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

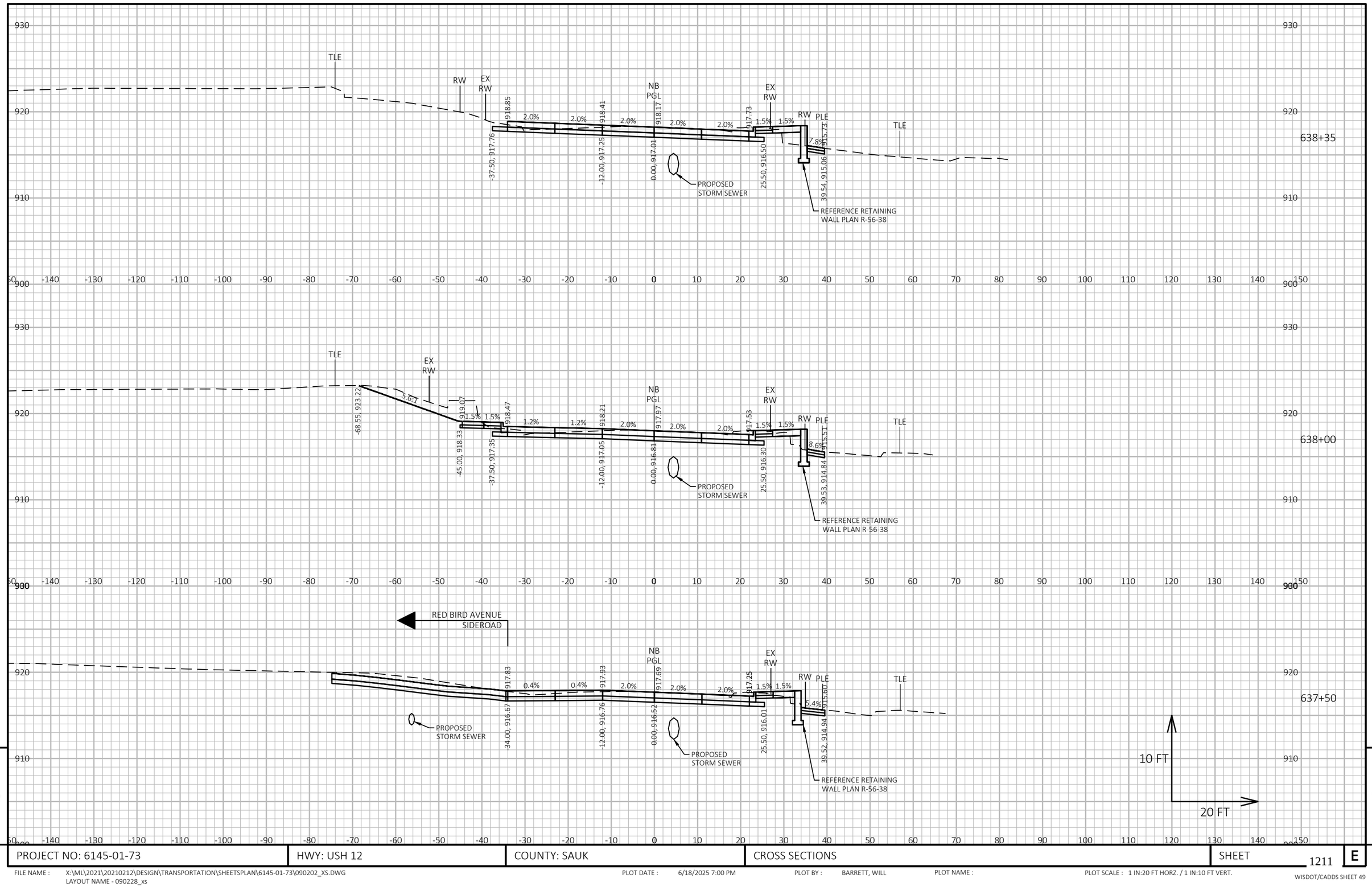


PROJECT NO: 6145-01-73	HWY: USH 12	COUNTY: SAUK	CROSS SECTIONS	SHEET 1210	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-73\090202_XS.DWG
LAYOUT NAME - 090227_xs

PLOT DATE : 6/18/2025 7:00 PM PLOT BY : BARRETT, WILL PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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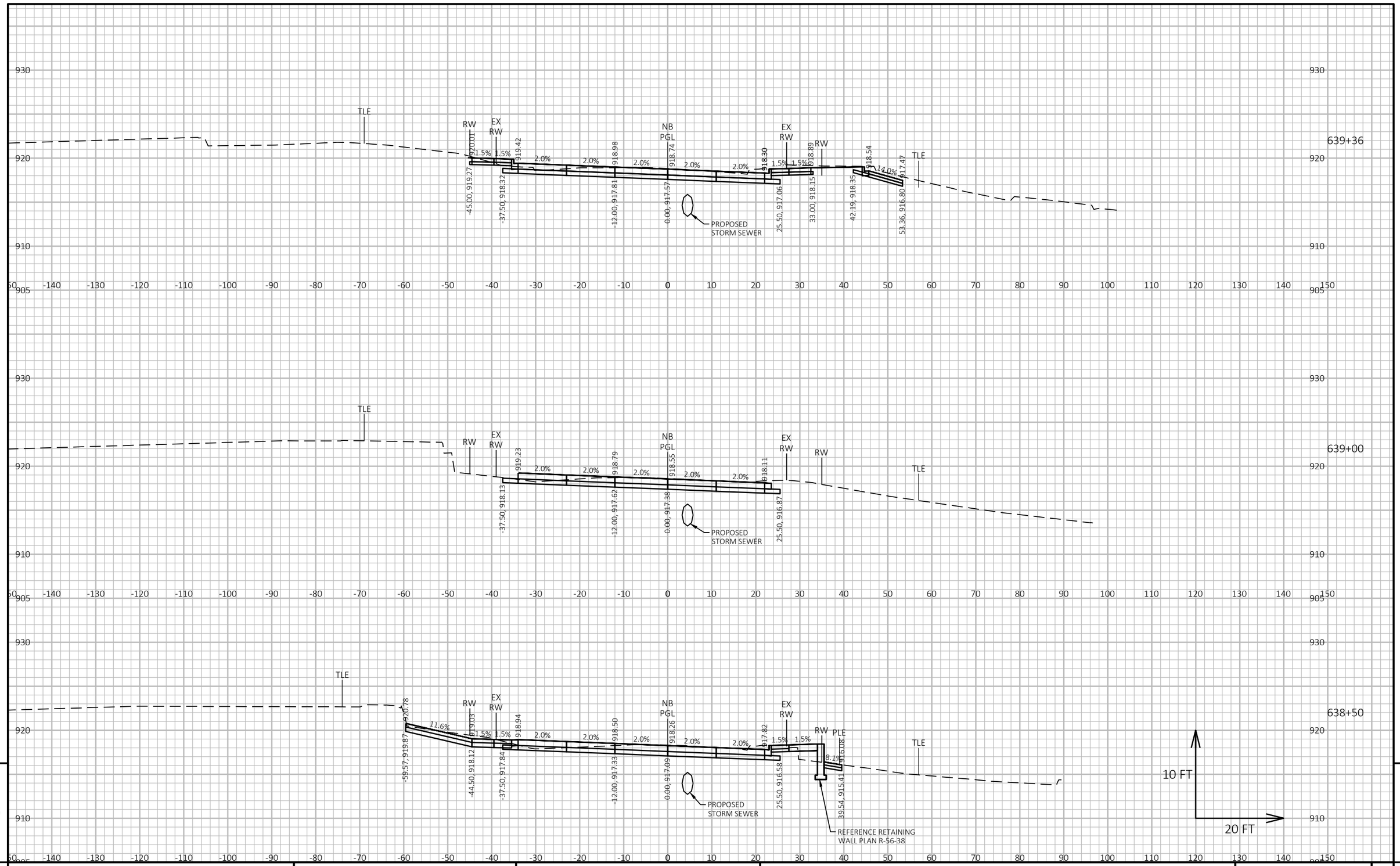
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PROJECT NO: 6145-01-73	HWY: USH 12	COUNTY: SAUK	CROSS SECTIONS	SHEET 1211	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-73\090202_XS.DWG
LAYOUT NAME - 090228_xs

PLOT DATE : 6/18/2025 7:00 PM PLOT BY : BARRETT, WILL PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

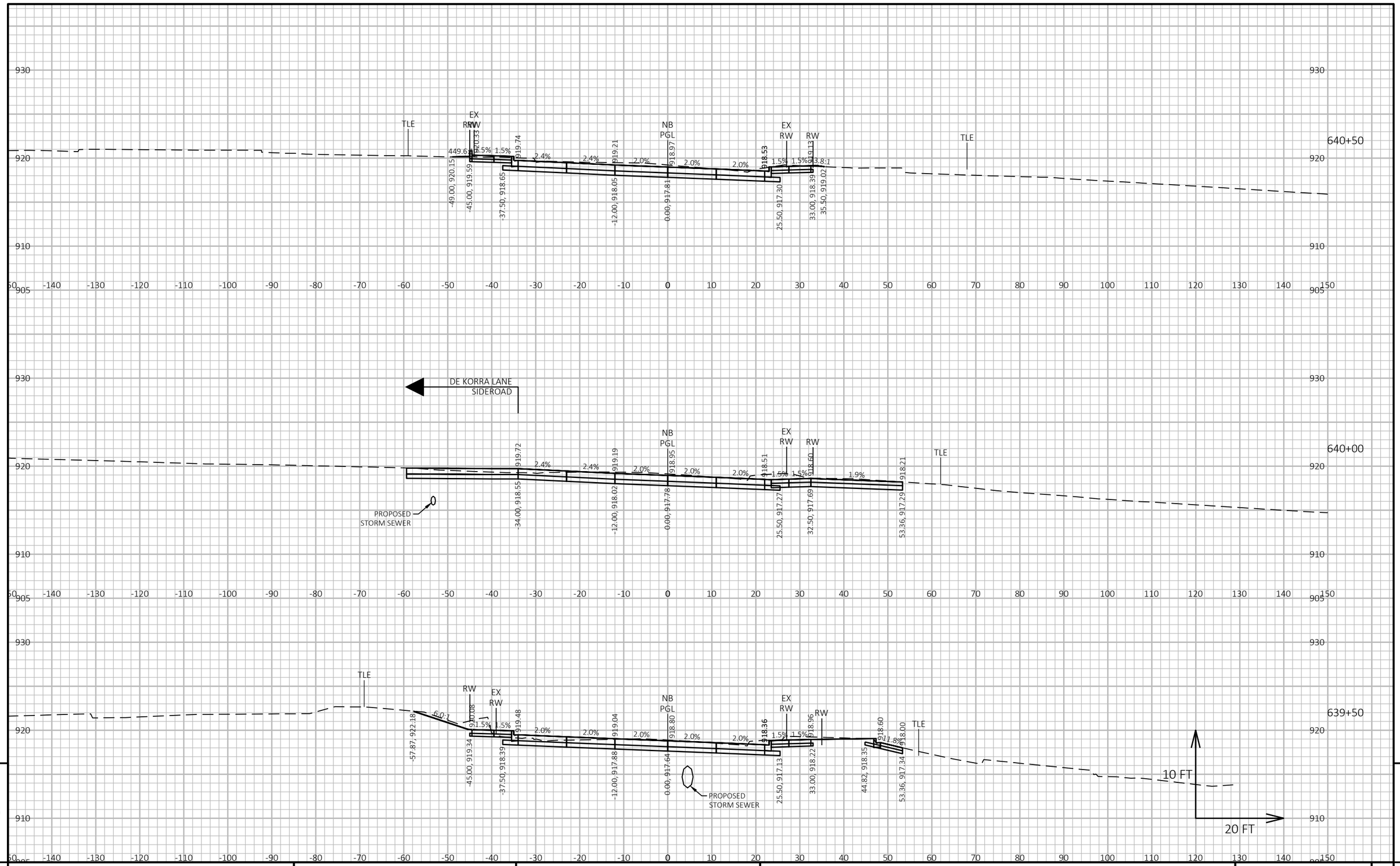
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PROJECT NO: 6145-01-73	HWY: USH 12	COUNTY: SAUK	CROSS SECTIONS	SHEET 1212	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-73\090202_XS.DWG
LAYOUT NAME - 090229_xs

PLOT DATE : 6/18/2025 7:00 PM PLOT BY : BARRETT, WILL PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

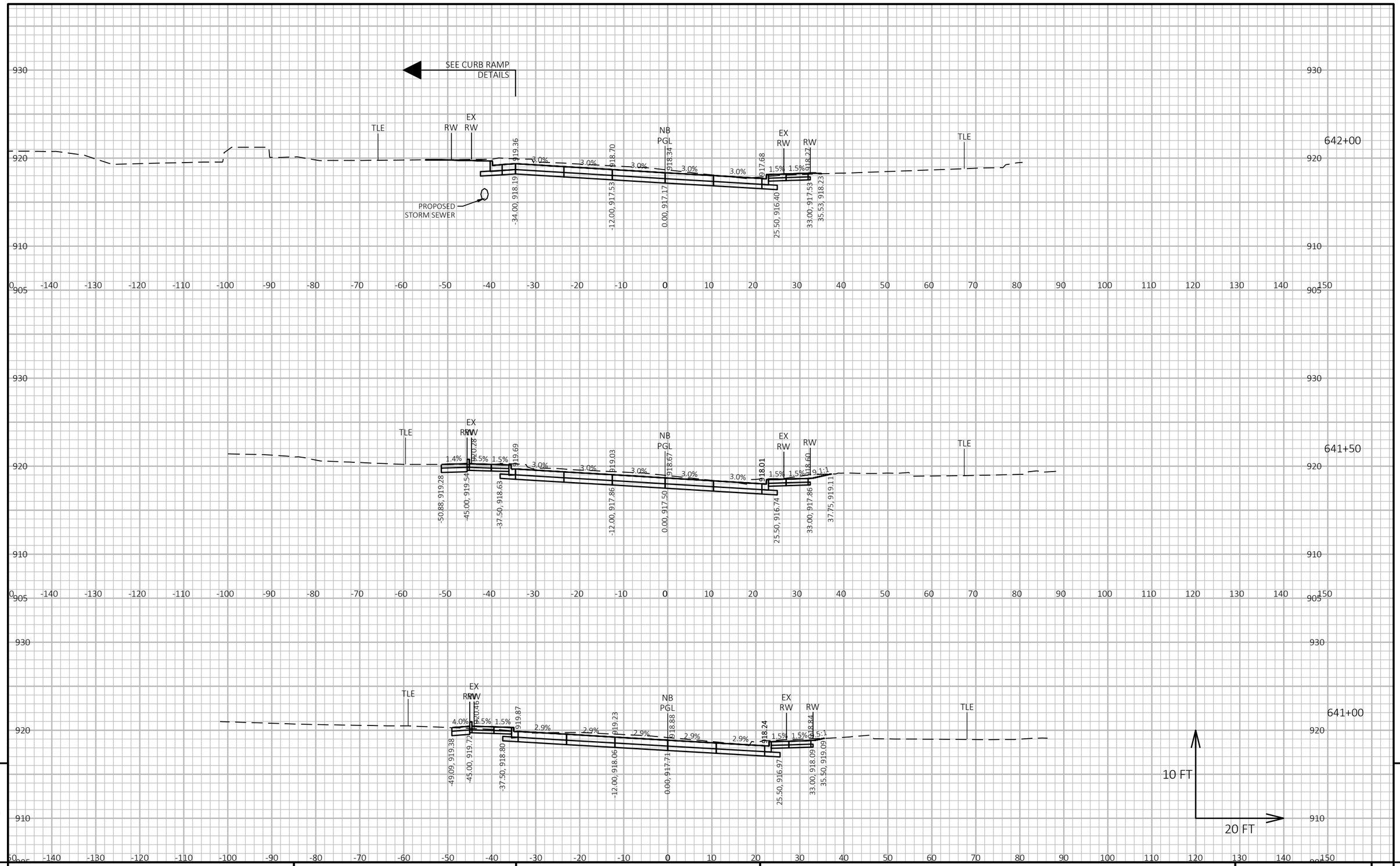
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PROJECT NO: 6145-01-73	HWY: USH 12	COUNTY: SAUK	CROSS SECTIONS	SHEET 1213	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-73\090202_XS.DWG
LAYOUT NAME - 090230_xs

PLOT DATE : 6/18/2025 7:00 PM PLOT BY : BARRETT, WILL PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

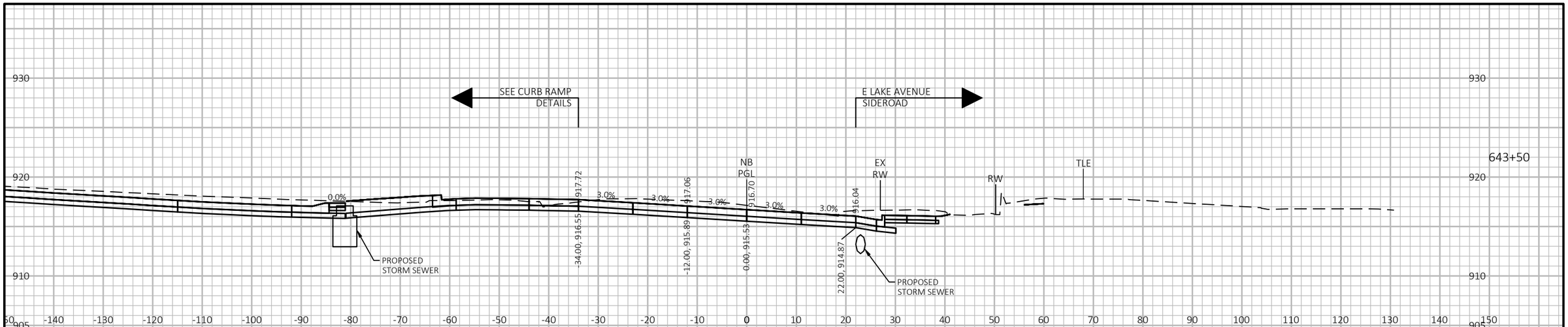


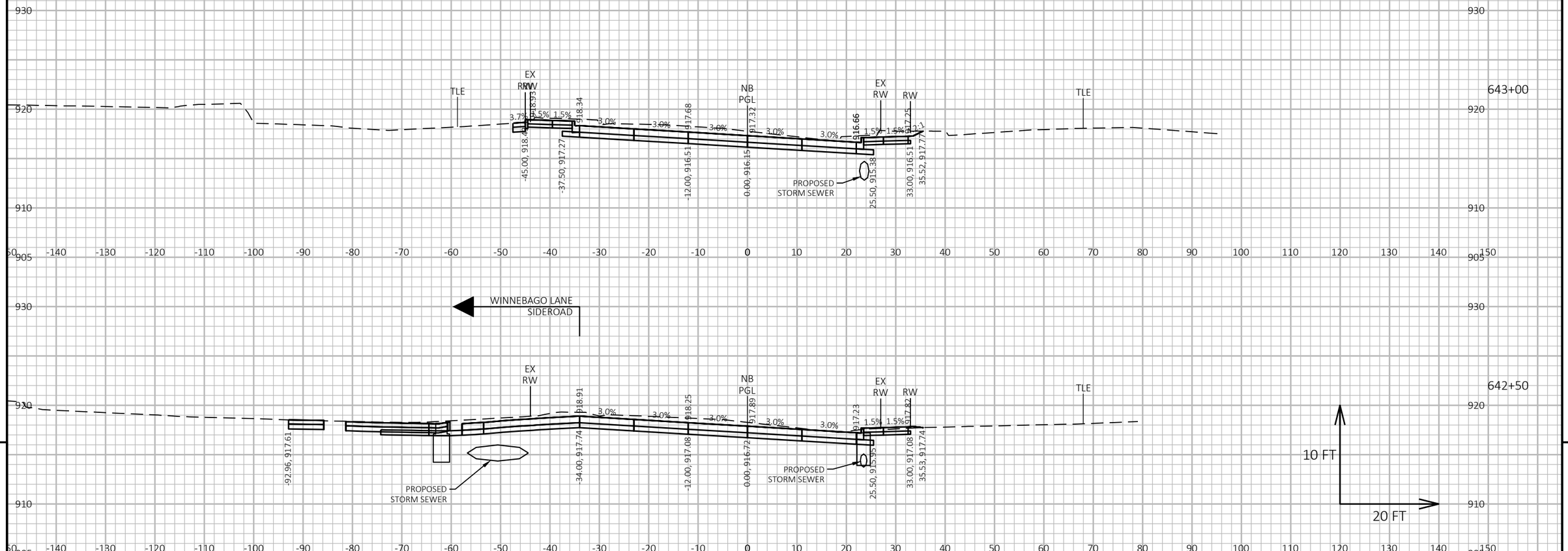
PROJECT NO: 6145-01-73	HWY: USH 12	COUNTY: SAUK	CROSS SECTIONS	SHEET 1214 E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-73\090202_XS.DWG
LAYOUT NAME - 090231_xs

PLOT DATE : 6/18/2025 7:00 PM PLOT BY : BARRETT, WILL PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



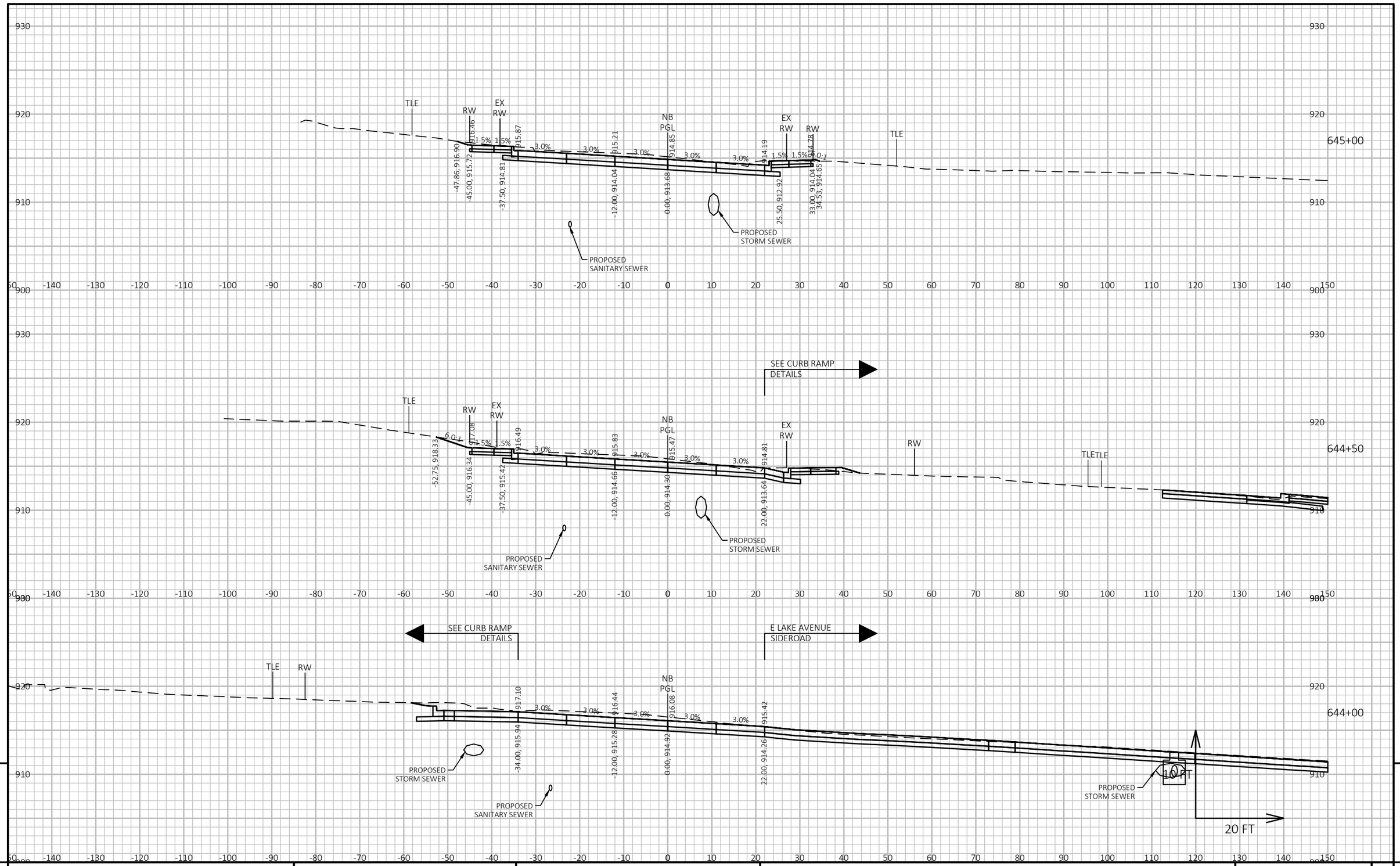


PROJECT NO: 6145-01-73	HWY: USH 12	COUNTY: SAUK	CROSS SECTIONS	SHEET 1215	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-73\090202_XS.DWG
LAYOUT NAME - 090232_xs

PLOT DATE : 6/18/2025 7:00 PM PLOT BY : BARRETT, WILL PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



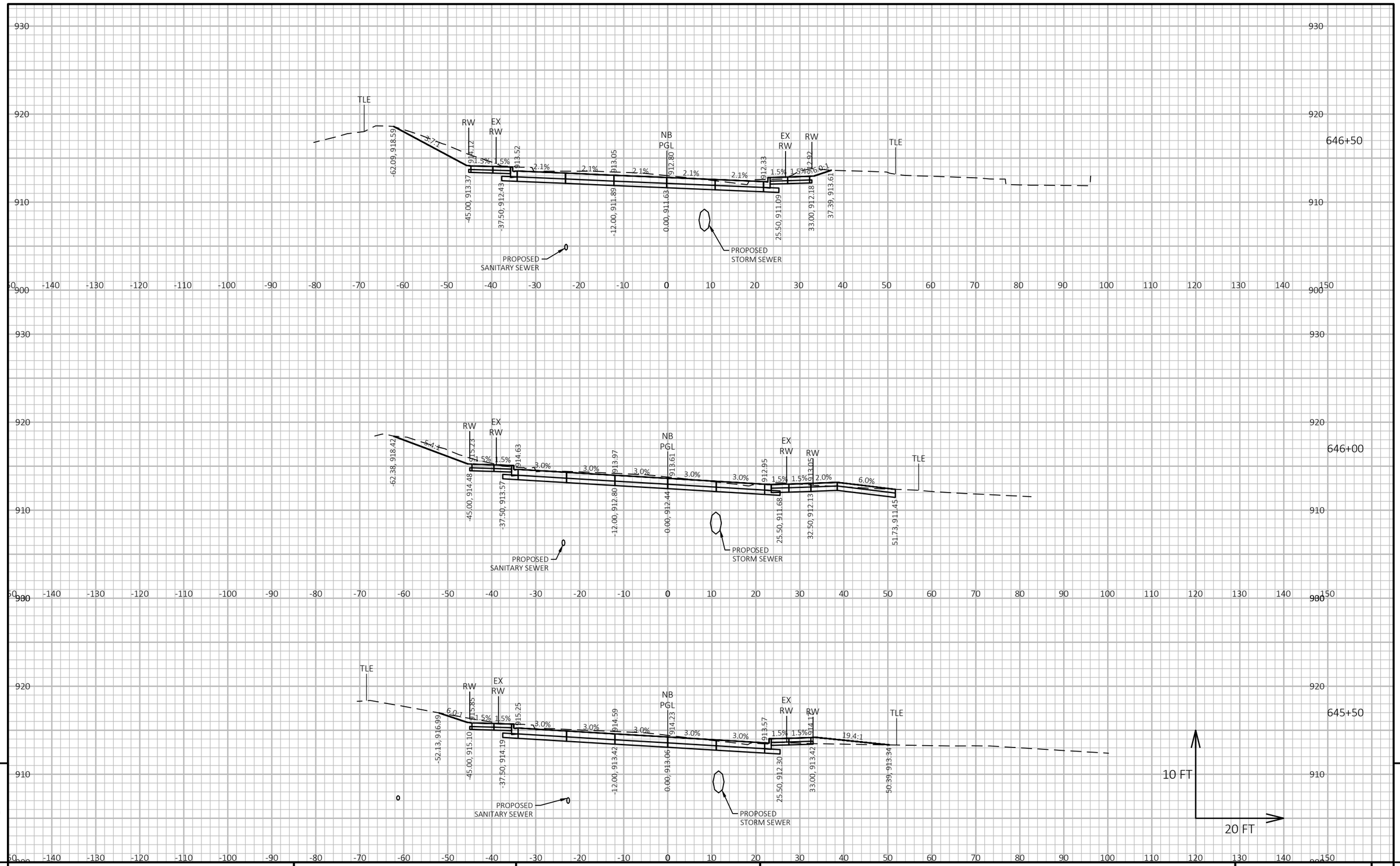
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PROJECT NO: 6145-01-73	HWY: USH 12	COUNTY: SAUK	CROSS SECTIONS	SHEET 1216	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-73\090202_XS.DWG
LAYOUT NAME - 090233_xs

PLOT DATE : 6/18/2025 7:00 PM PLOT BY : BARRETT, WILL PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.



9

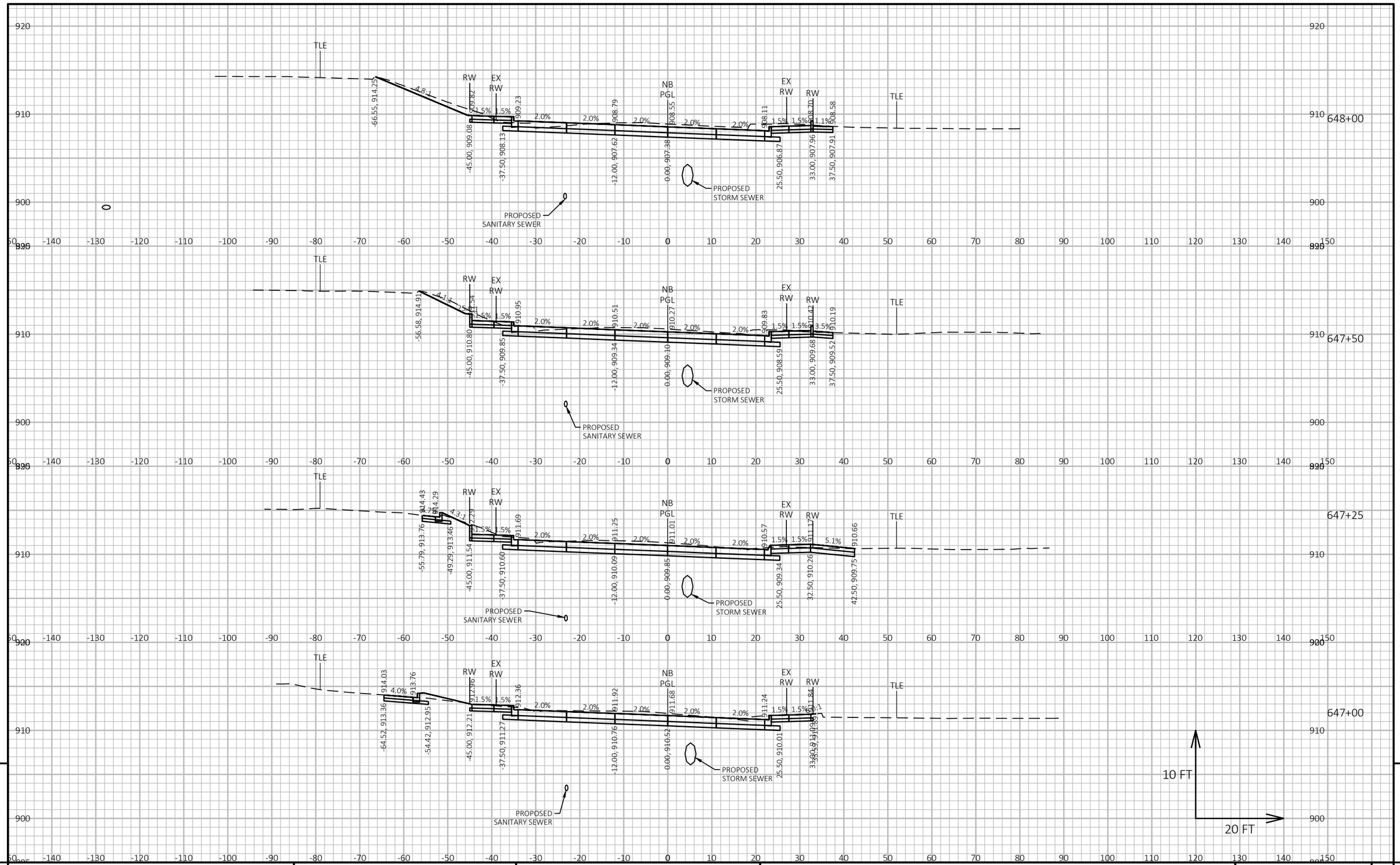
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PROJECT NO: 6145-01-73	HWY: USH 12	COUNTY: SAUK	CROSS SECTIONS	SHEET 1217	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-73\090202_XS.DWG
LAYOUT NAME - 090234_xs

PLOT DATE : 6/18/2025 7:00 PM PLOT BY : BARRETT, WILL PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

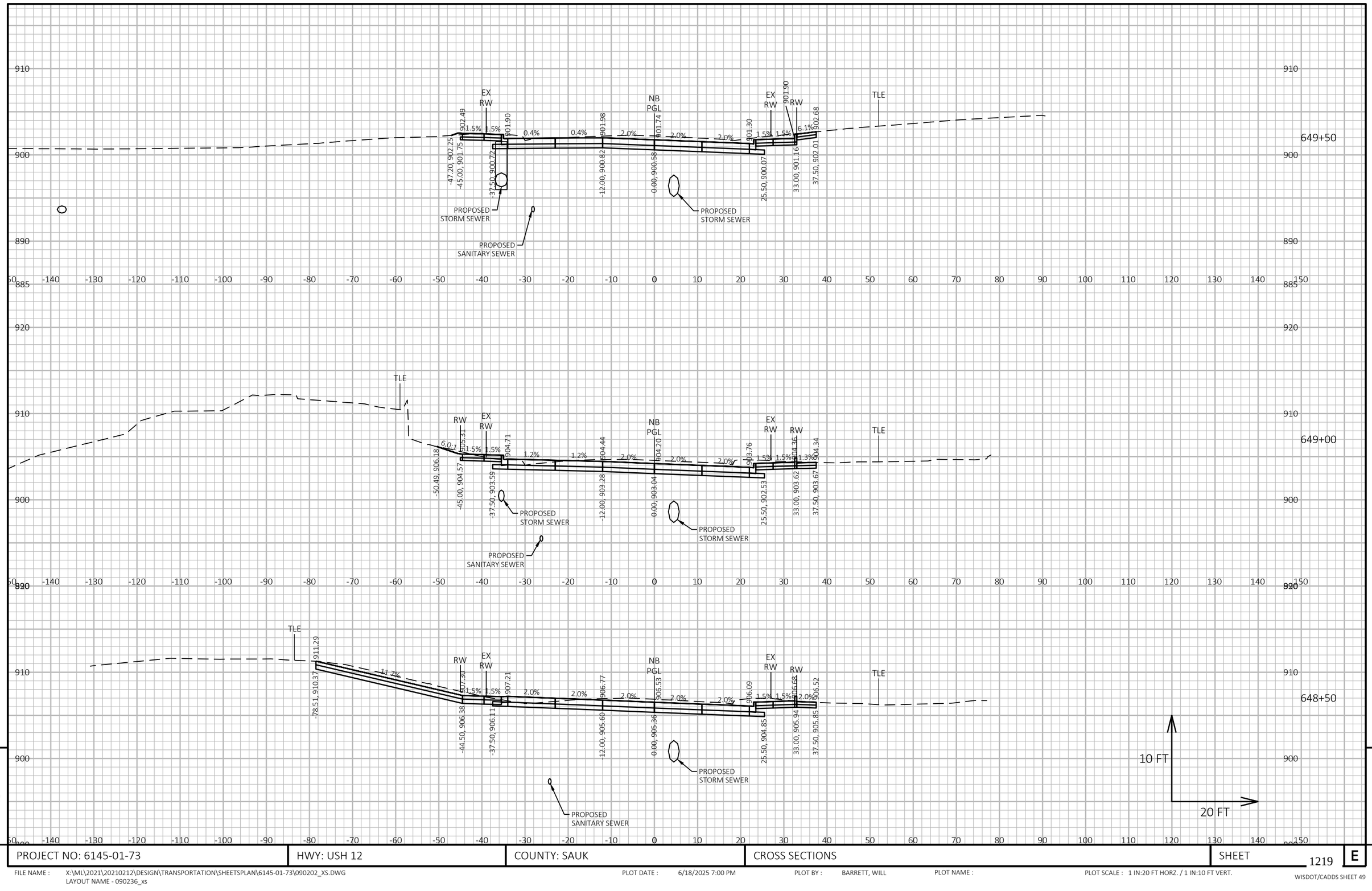
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PROJECT NO: 6145-01-73	HWY: USH 12	COUNTY: SAUK	CROSS SECTIONS	SHEET 1218	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-73\090202_XS.DWG
LAYOUT NAME - 090235_xs

PLOT DATE : 6/18/2025 7:00 PM PLOT BY : BARRETT, WILL PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

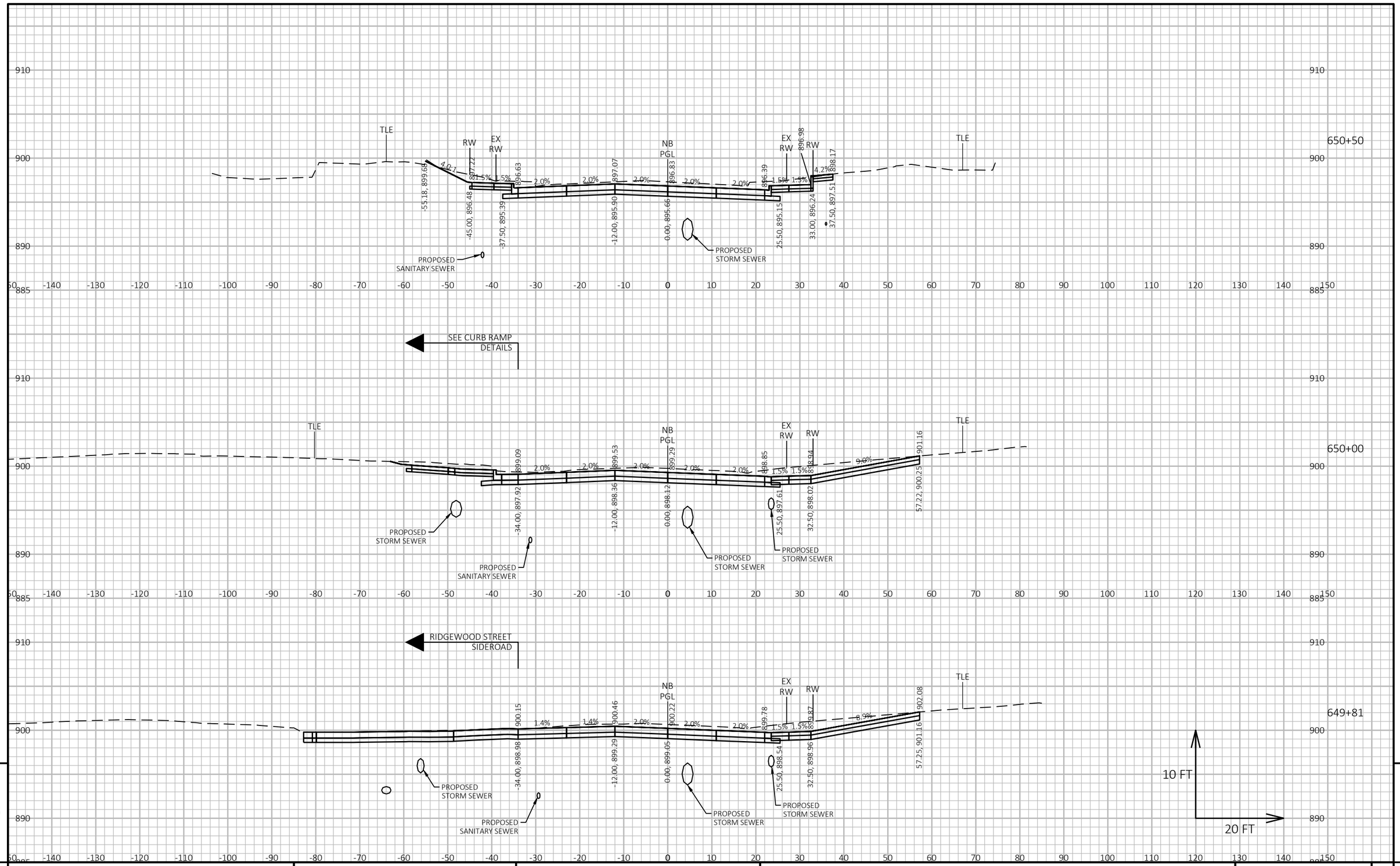
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PROJECT NO: 6145-01-73	HWY: USH 12	COUNTY: SAUK	CROSS SECTIONS	SHEET 1219	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-73\090202_XS.DWG
LAYOUT NAME - 090236_xs

PLOT DATE : 6/18/2025 7:00 PM PLOT BY : BARRETT, WILL PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

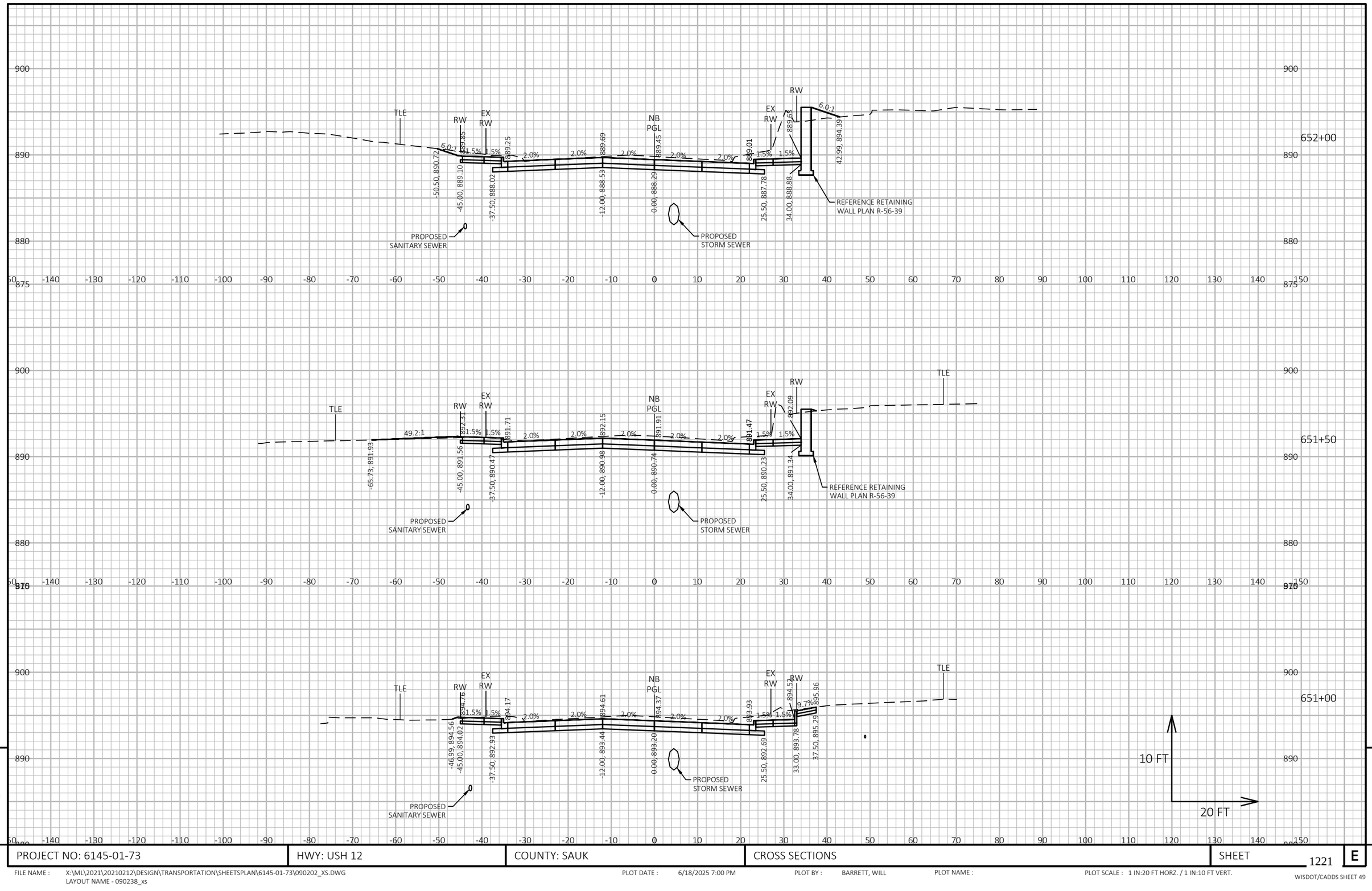
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PROJECT NO: 6145-01-73	HWY: USH 12	COUNTY: SAUK	CROSS SECTIONS	SHEET 1220	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-73\090202_XS.DWG
LAYOUT NAME - 090237_xs

PLOT DATE : 6/18/2025 7:00 PM PLOT BY : BARRETT, WILL PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

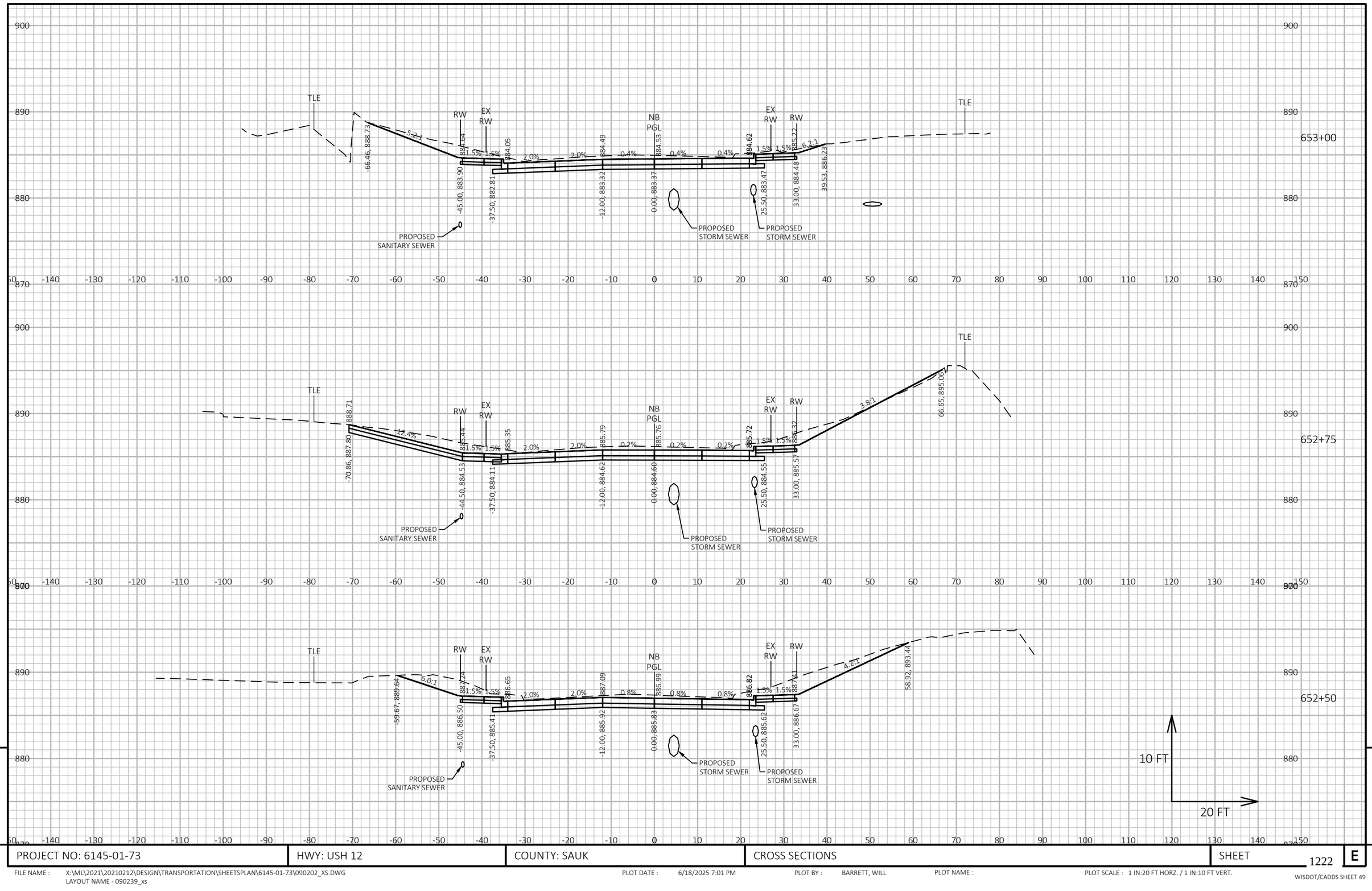


PROJECT NO: 6145-01-73	HWY: USH 12	COUNTY: SAUK	CROSS SECTIONS	SHEET 1221	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-73\090202_XS.DWG
LAYOUT NAME - 090238_xs

PLOT DATE : 6/18/2025 7:00 PM PLOT BY : BARRETT, WILL PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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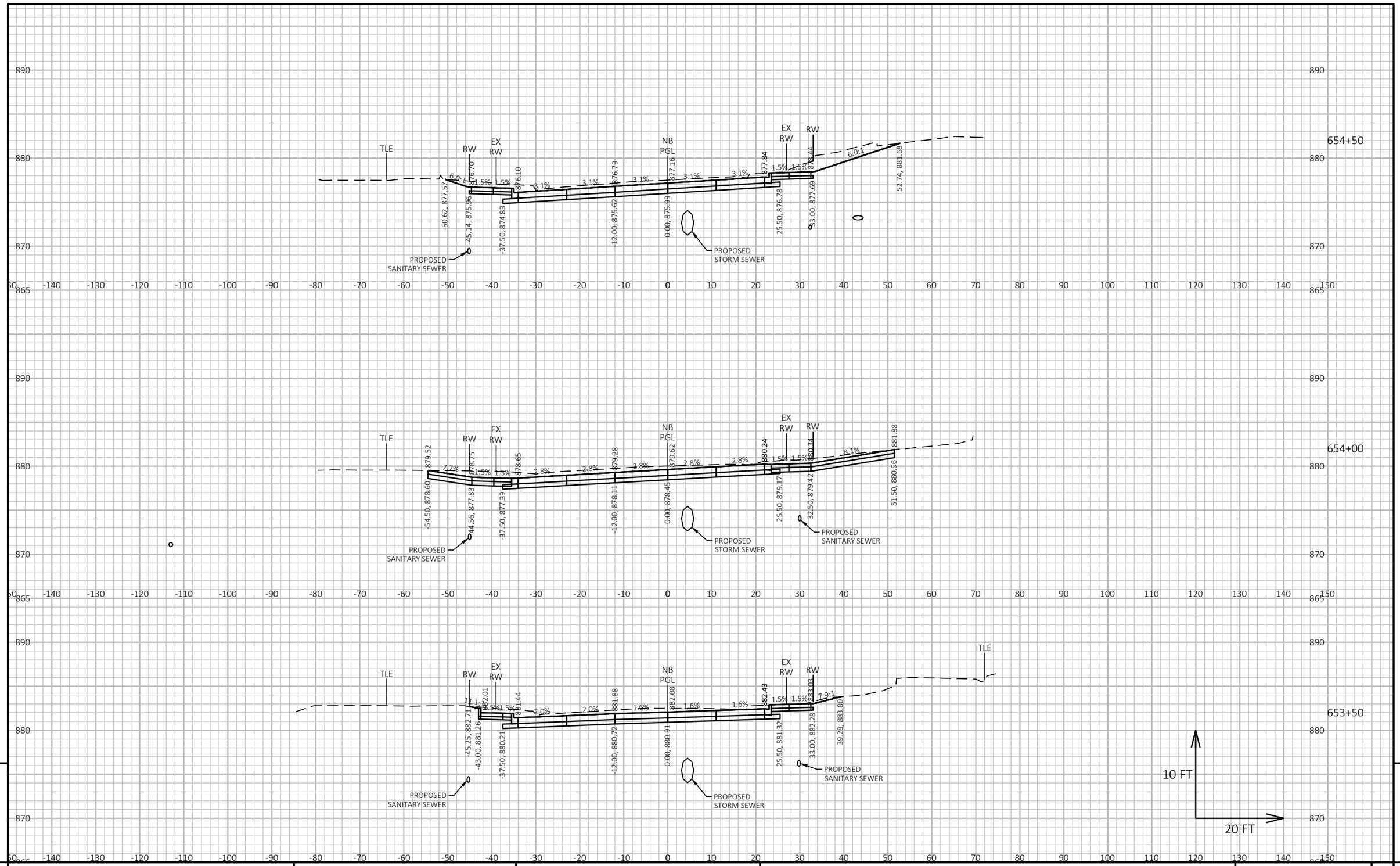
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PROJECT NO: 6145-01-73	HWY: USH 12	COUNTY: SAUK	CROSS SECTIONS	SHEET 1222	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-73\090202_XS.DWG
LAYOUT NAME - 090239_xs

PLOT DATE : 6/18/2025 7:01 PM PLOT BY : BARRETT, WILL PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

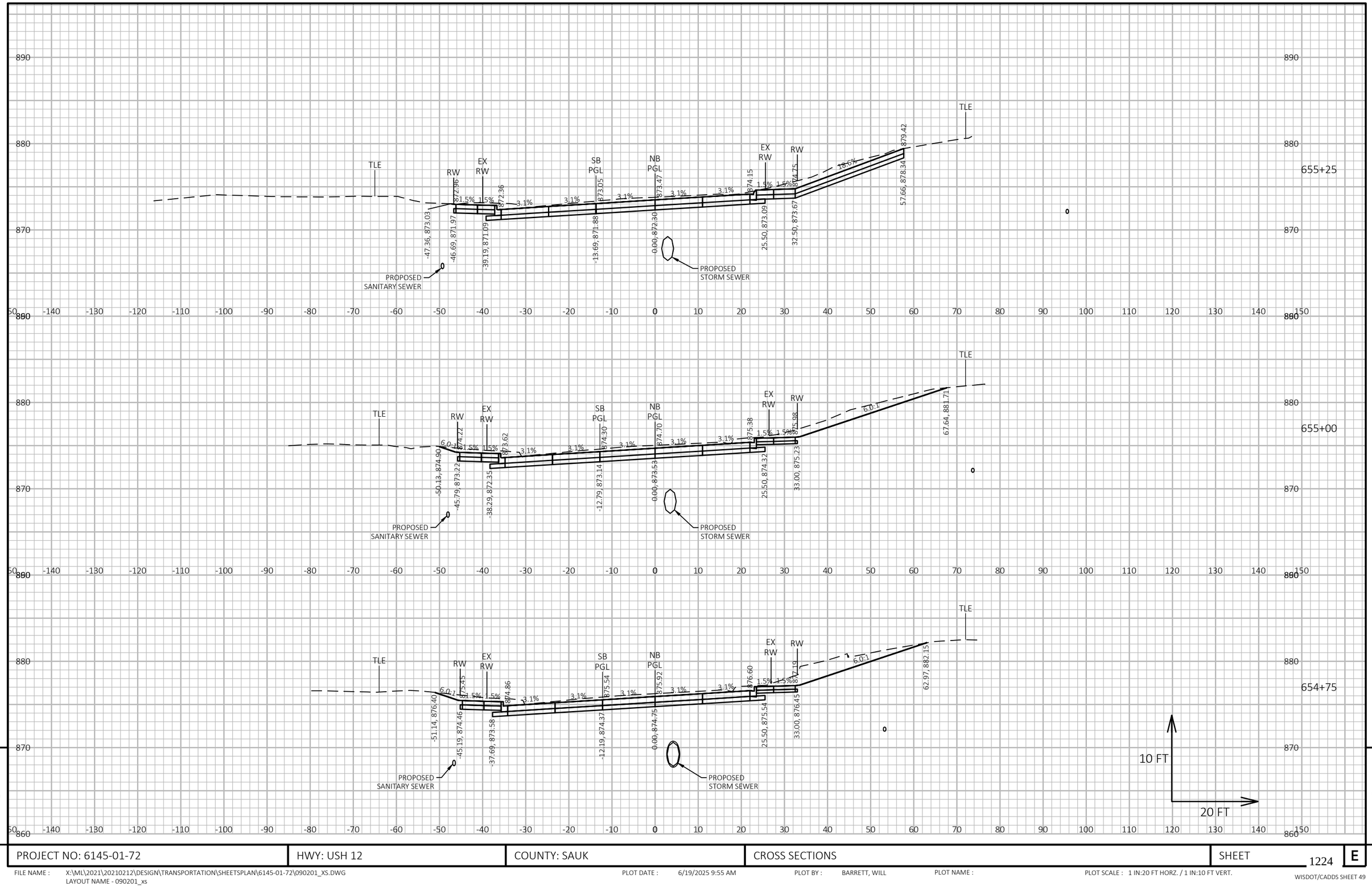
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PROJECT NO: 6145-01-73	HWY: USH 12	COUNTY: SAUK	CROSS SECTIONS	SHEET 1223	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-73\090202_XS.DWG
LAYOUT NAME - 090240_xs

PLOT DATE : 6/18/2025 7:01 PM PLOT BY : BARRETT, WILL PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 6145-01-72	HWY: USH 12	COUNTY: SAUK	CROSS SECTIONS	SHEET 1224	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-72\090201_XS.DWG
LAYOUT NAME - 090201_xs

PLOT DATE : 6/19/2025 9:55 AM PLOT BY : BARRETT, WILL PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

PILGRIM DRIVE
SIDEROAD

SB PGL
NB PGL
EX RW
RW
TLE

3.2% 3.2% 1.9% 2.4% 3.1% 3.1% 1.5% 1.5% 11.9:1

867.08 867.04 867.32 868.01 868.63

-17.35, 865.92
-11.31, 865.80
-3.50, 866.05
25.50, 866.95
33.00, 867.85
50.14, 867.24

PROPOSED
SANITARY SEWER

PROPOSED
STORM SEWER

656+50

SEE CURB RAMP
DETAILS

RW
EX RW
SB PGL
NB PGL
EX RW
RW
TLE

3.2% 3.2% 0.9% 2.0% 3.1% 3.1% 1.5% 1.5%

869.55 869.58 869.78 870.47 871.06

-62.80, 869.39
-60.41, 869.30
-52.50, 868.96
-13.50, 868.35
-12.57, 868.50
0.00, 868.62
25.50, 869.41
33.00, 870.32
35.72, 871.47

PROPOSED
SANITARY SEWER

PROPOSED
STORM SEWER

656+00

TLE
RW
EX RW
SB PGL
NB PGL
EX RW
RW
TLE

1.5% 1.5% 3.1% 3.1% 3.1% 3.1% 1.5% 1.5% 1.6% 1.5%

871.70 871.11 871.79 872.24 872.92 873.52 876.01 876.07

-49.12, 871.92
-47.55, 870.71
-40.05, 869.83
-14.55, 870.62
0.00, 871.08
25.50, 871.87
32.50, 872.77
46.68, 875.26
50.54, 875.32

PROPOSED
SANITARY SEWER

PROPOSED
STORM SEWER

655+50

10 FT
20 FT

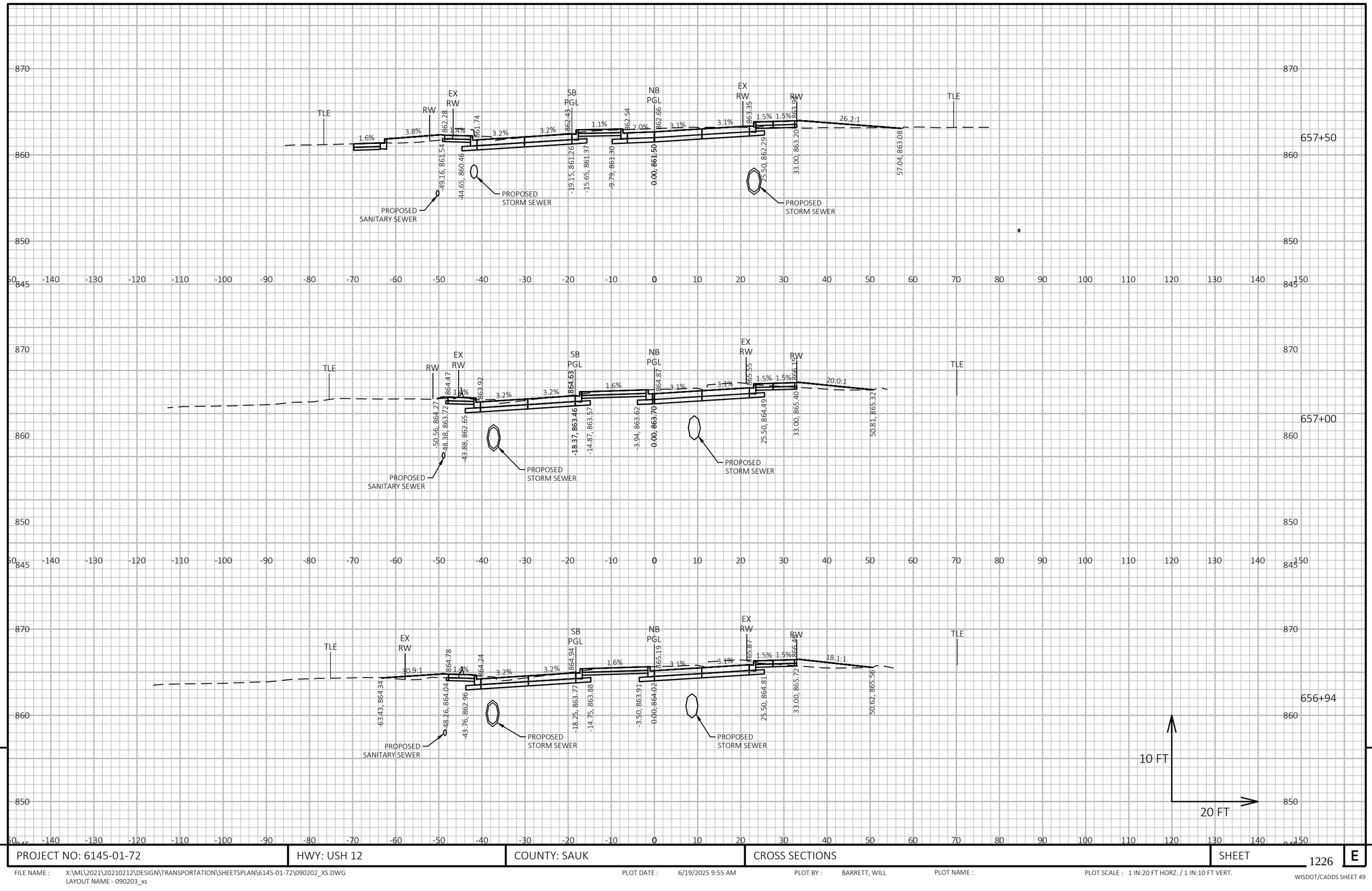
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PROJECT NO: 6145-01-72	HWY: USH 12	COUNTY: SAUK	CROSS SECTIONS	SHEET 1225	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-72\090201_XS.DWG
LAYOUT NAME - 090202_xs

PLOT DATE : 6/19/2025 9:55 AM PLOT BY : BARRETT, WILL PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

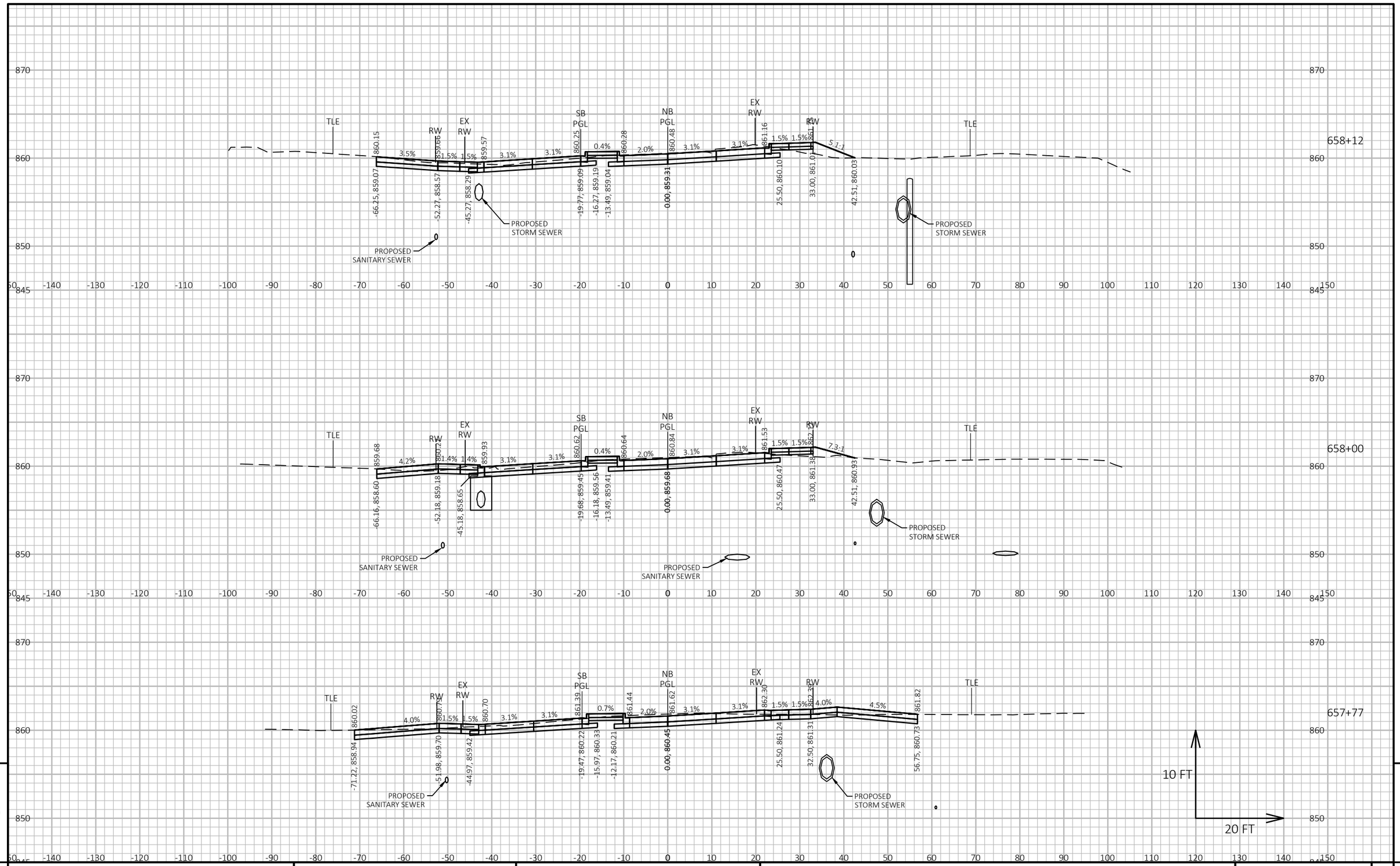


PROJECT NO: 6145-01-72	HWY: USH 12	COUNTY: SAUK	CROSS SECTIONS	SHEET 1226	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-72\090202_XS.DWG
LAYOUT NAME - 090203_xs

PLOT DATE : 6/19/2025 9:55 AM PLOT BY : BARRETT, WILL PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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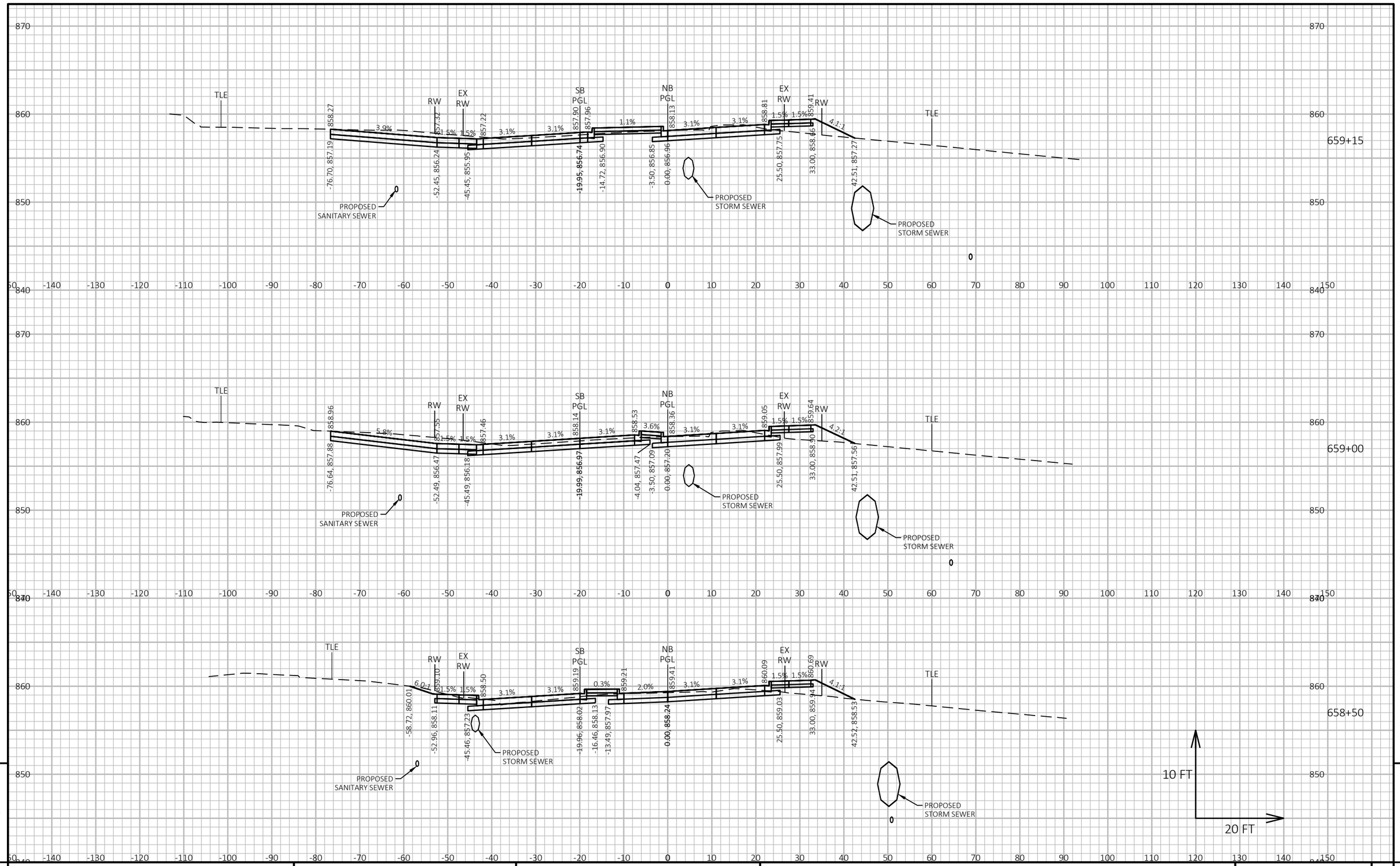
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PROJECT NO: 6145-01-72	HWY: USH 12	COUNTY: SAUK	CROSS SECTIONS	SHEET 1227	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-72\090202_XS.DWG
LAYOUT NAME - 090204_xs

PLOT DATE : 6/19/2025 9:55 AM PLOT BY : BARRETT, WILL PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 6145-01-72	HWY: USH 12	COUNTY: SAUK	CROSS SECTIONS	SHEET 1228	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-72\090202_XS.DWG
LAYOUT NAME - 090205_xs

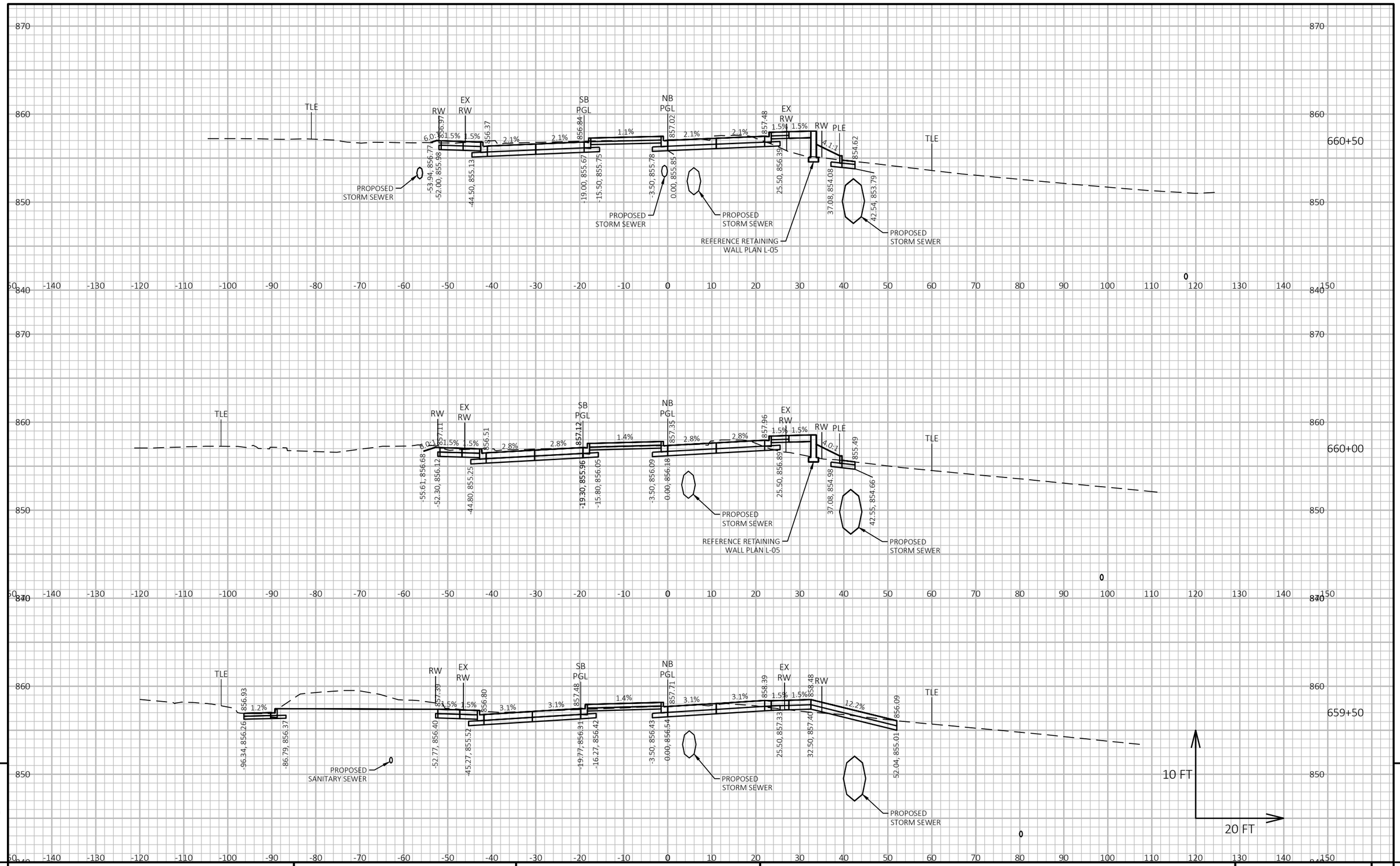
PLOT DATE : 6/19/2025 9:55 AM

PLOT BY : BARRETT, WILL

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

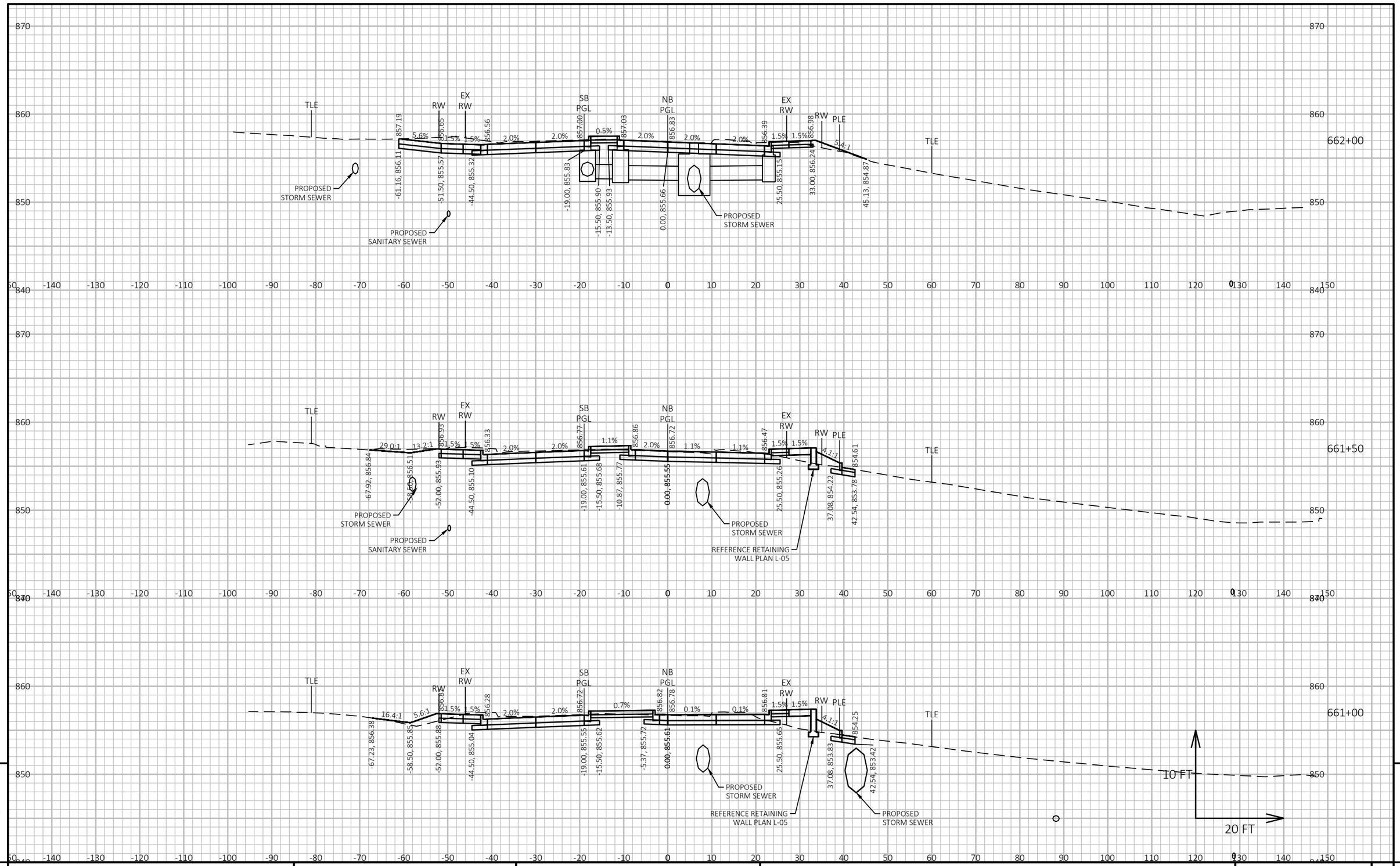


PROJECT NO: 6145-01-72	HWY: USH 12	COUNTY: SAUK	CROSS SECTIONS	SHEET 1229	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-72\090202_XS.DWG
LAYOUT NAME - 090206_xs

PLOT DATE : 6/19/2025 9:55 AM PLOT BY : BARRETT, WILL PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



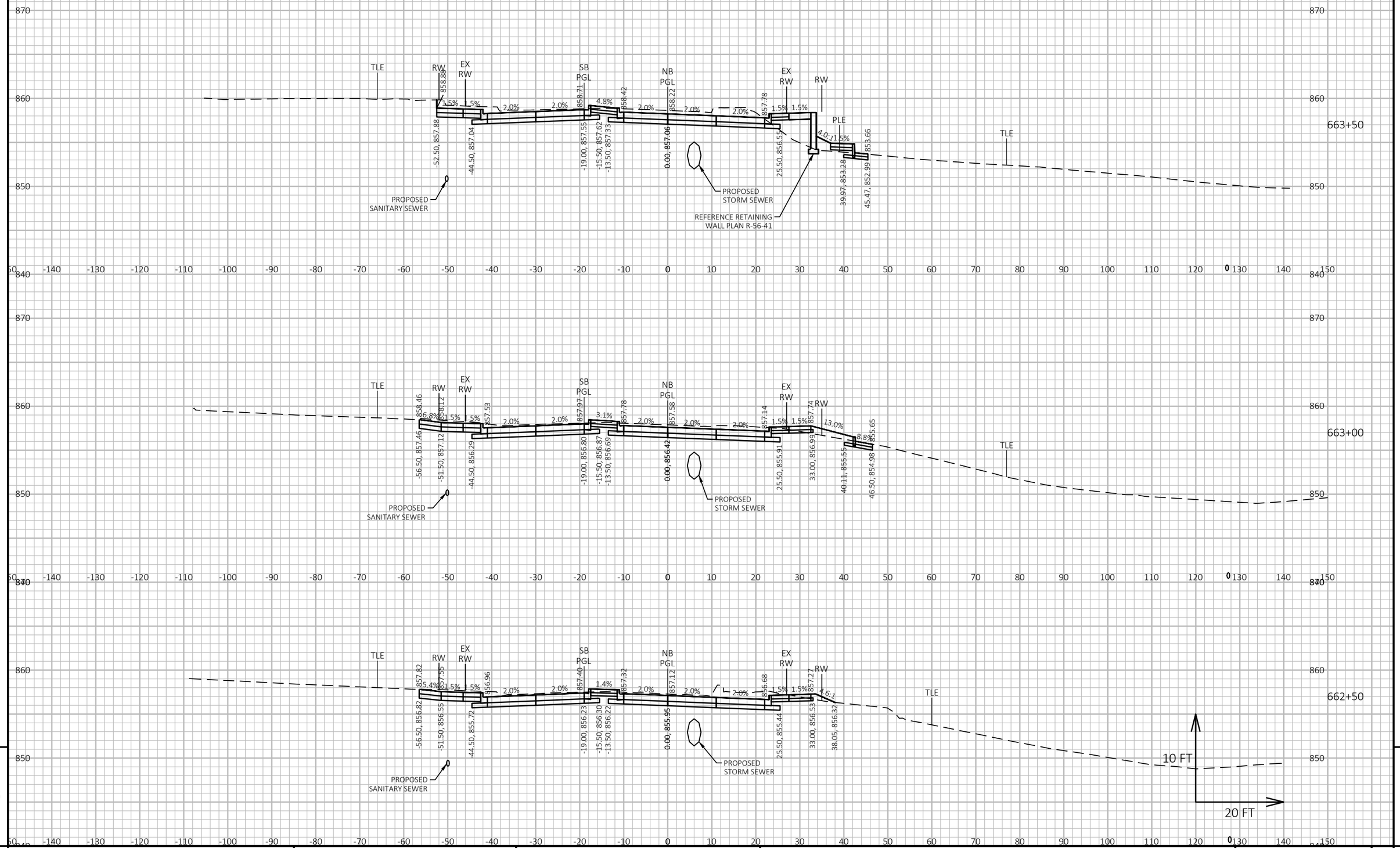
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PROJECT NO: 6145-01-72	HWY: USH 12	COUNTY: SAUK	CROSS SECTIONS	SHEET 1230	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-72\090202_XS.DWG
LAYOUT NAME - 090207_xs

PLOT DATE : 6/19/2025 9:55 AM PLOT BY : BARRETT, WILL PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.



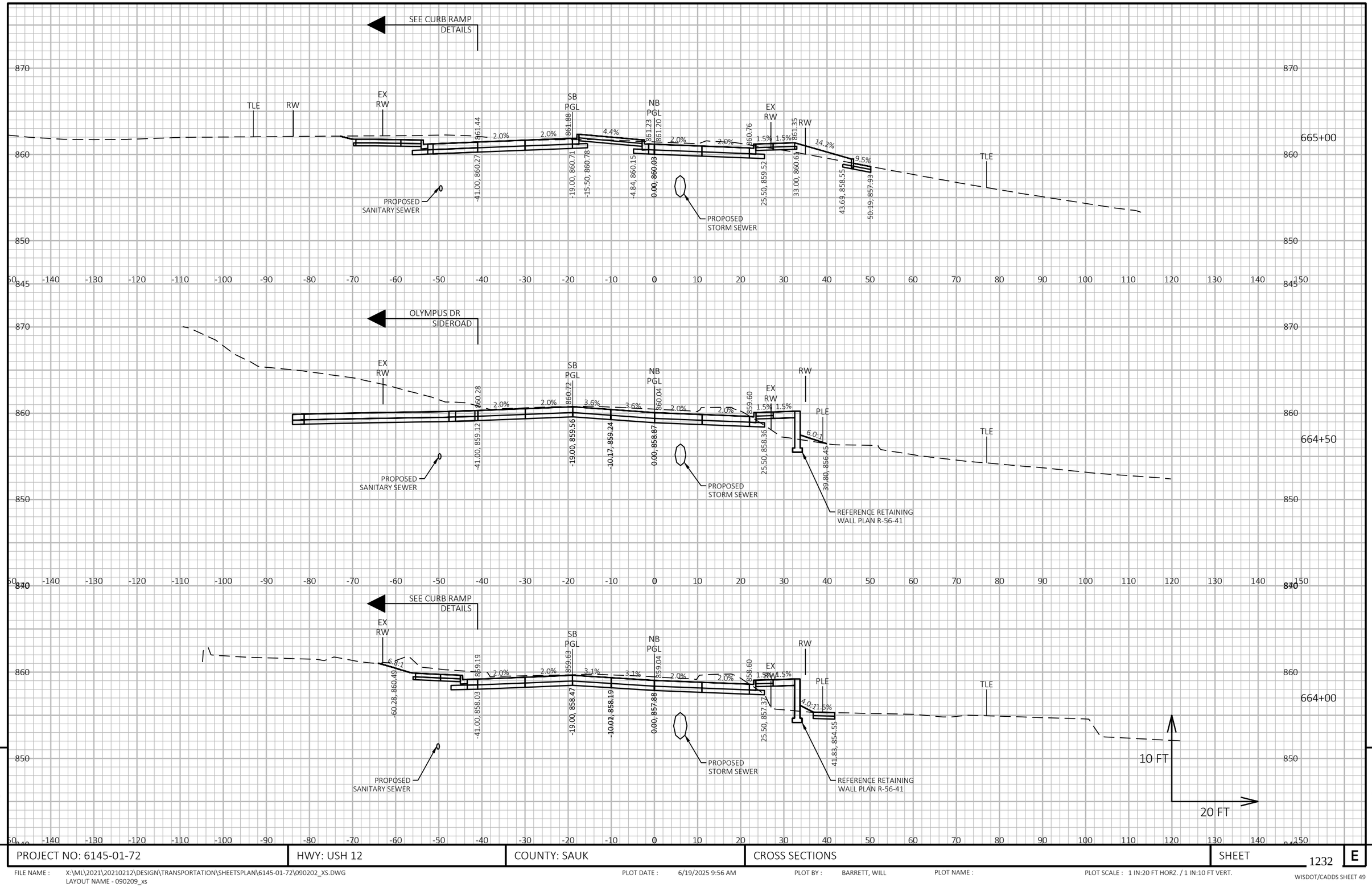
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PROJECT NO: 6145-01-72	HWY: USH 12	COUNTY: SAUK	CROSS SECTIONS	SHEET 1231	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-72\090202_XS.DWG
LAYOUT NAME - 090208_xs

PLOT DATE : 6/19/2025 9:56 AM PLOT BY : BARRETT, WILL PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.



9

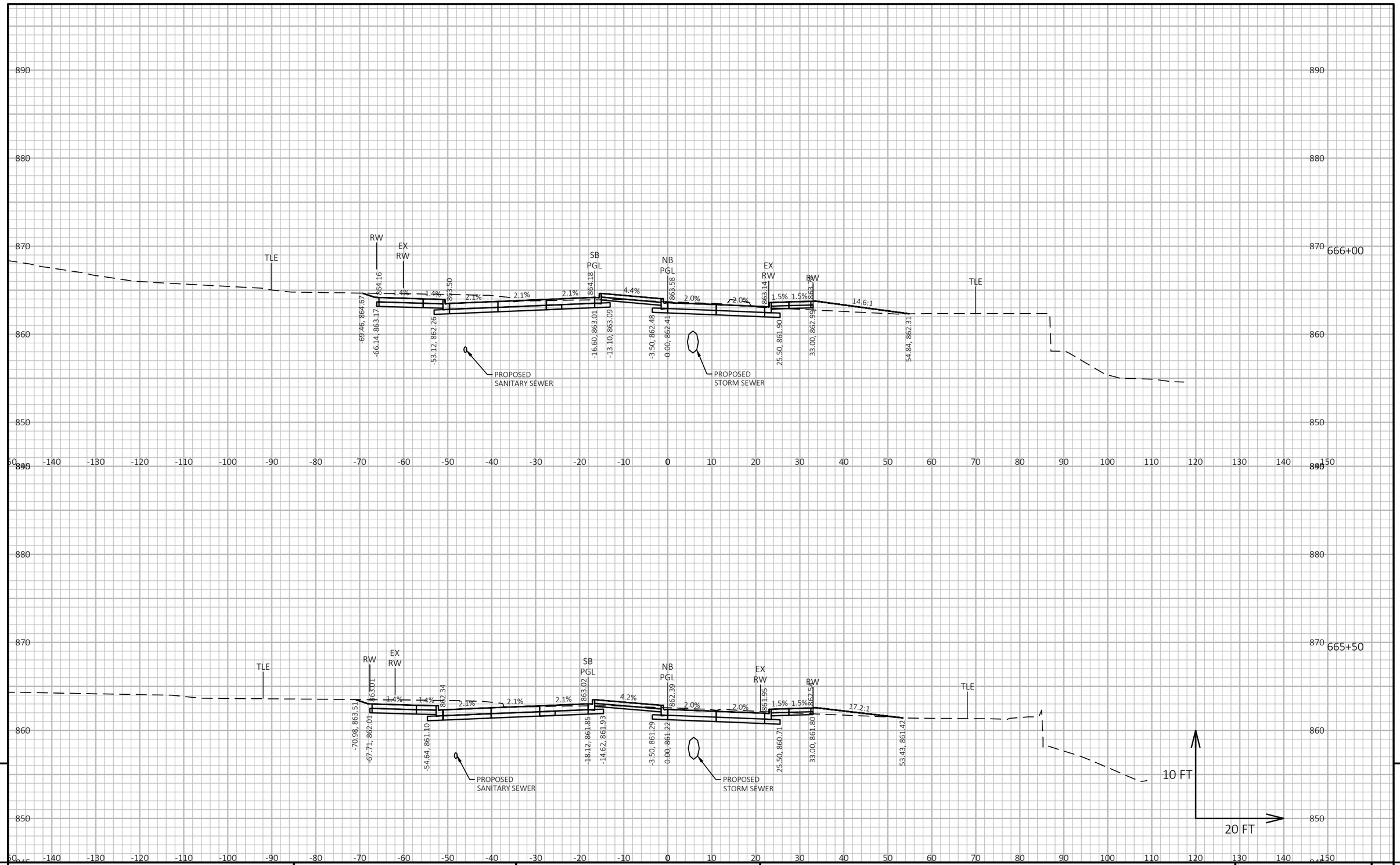
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PROJECT NO: 6145-01-72	HWY: USH 12	COUNTY: SAUK	CROSS SECTIONS	SHEET 1232	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-72\090202_XS.DWG
LAYOUT NAME - 090209_xs

PLOT DATE : 6/19/2025 9:56 AM PLOT BY : BARRETT, WILL PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

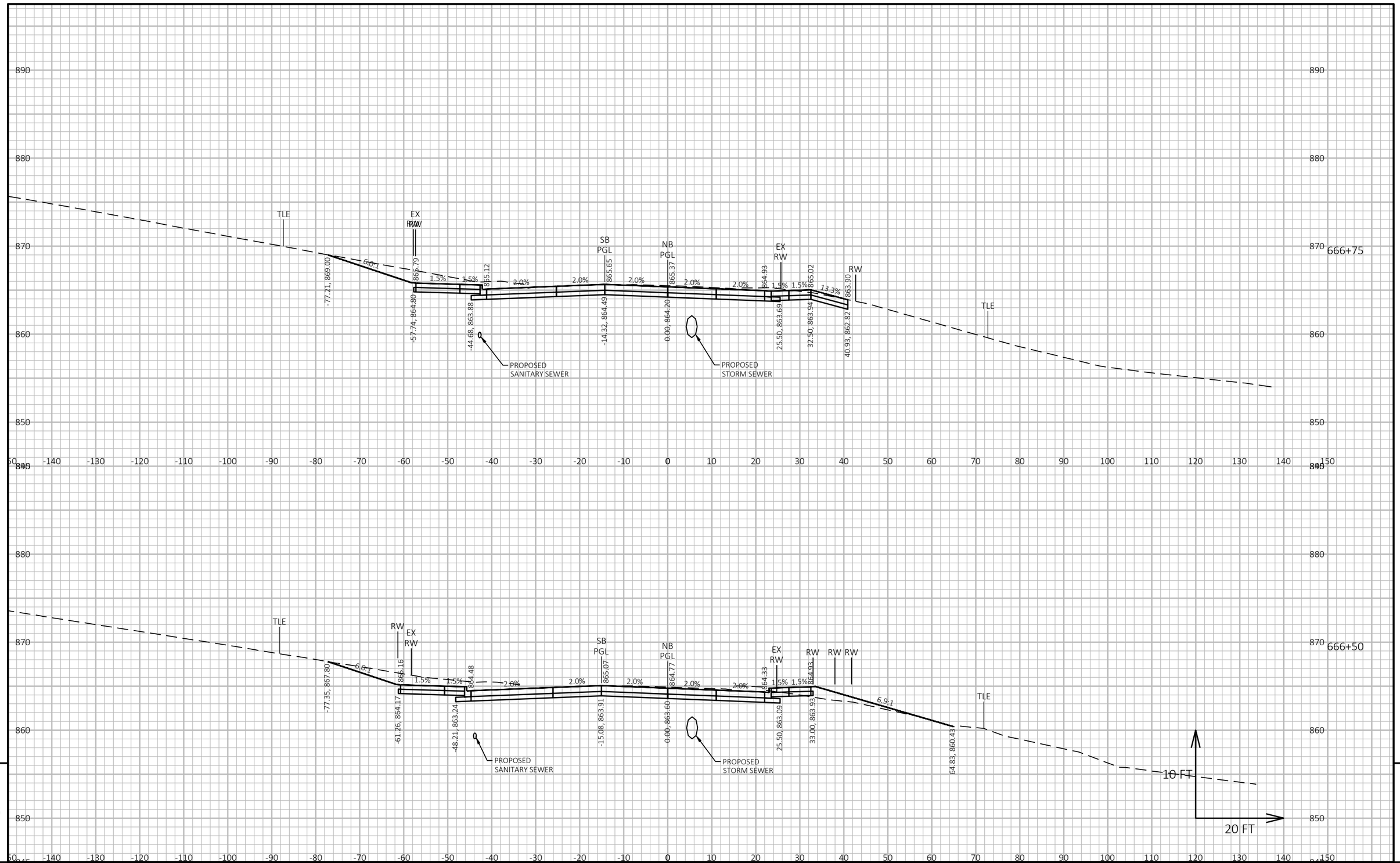


PROJECT NO: 6145-01-72	HWY: USH 12	COUNTY: SAUK	CROSS SECTIONS	SHEET 1233	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-72\090202_XS.DWG
LAYOUT NAME - 090210_xs

PLOT DATE : 6/19/2025 9:56 AM PLOT BY : BARRETT, WILL PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

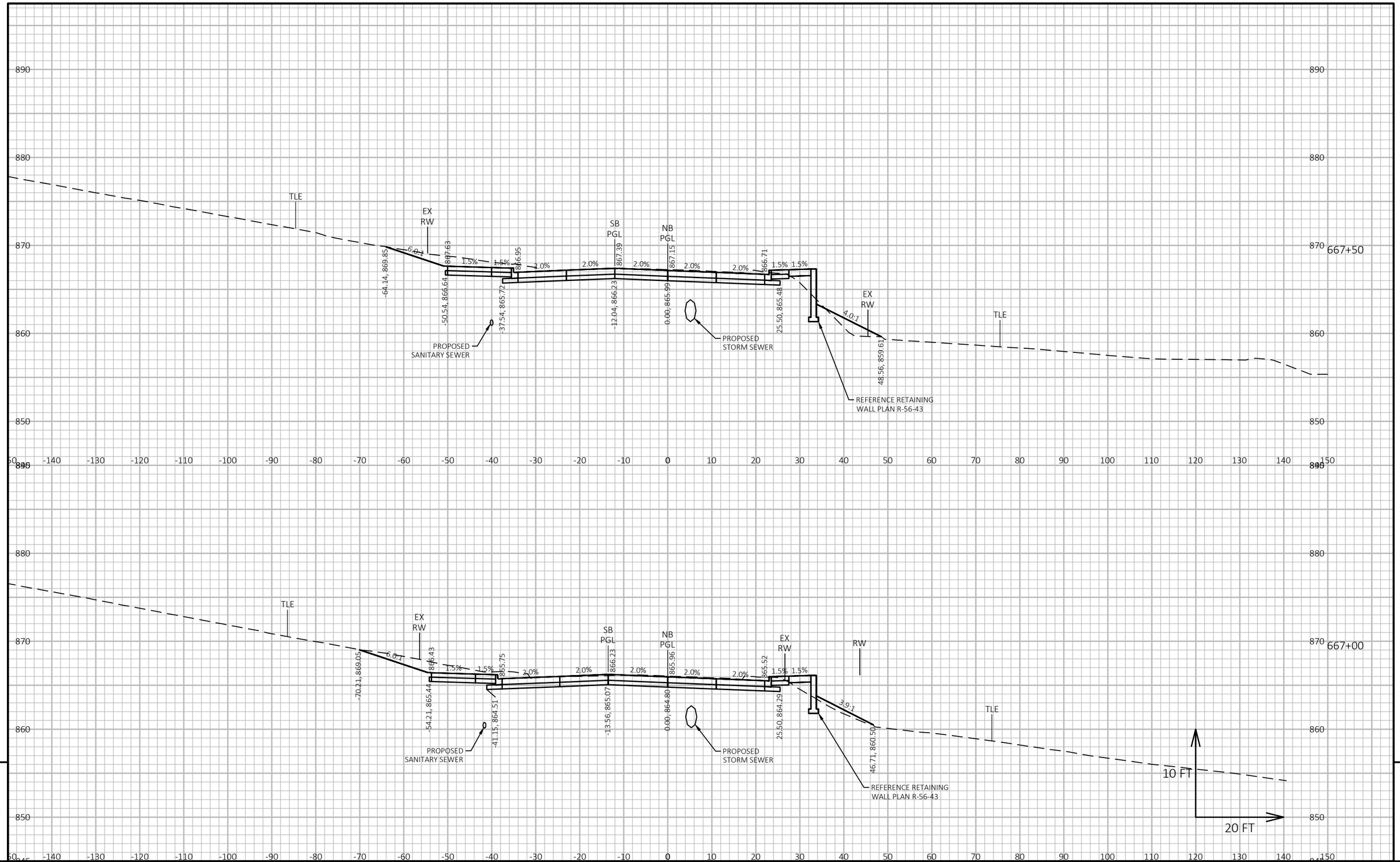
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PROJECT NO: 6145-01-72	HWY: USH 12	COUNTY: SAUK	CROSS SECTIONS	SHEET 1234	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-72\090202_XS.DWG
LAYOUT NAME - 090211_xs

PLOT DATE : 6/19/2025 9:56 AM PLOT BY : BARRETT, WILL PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

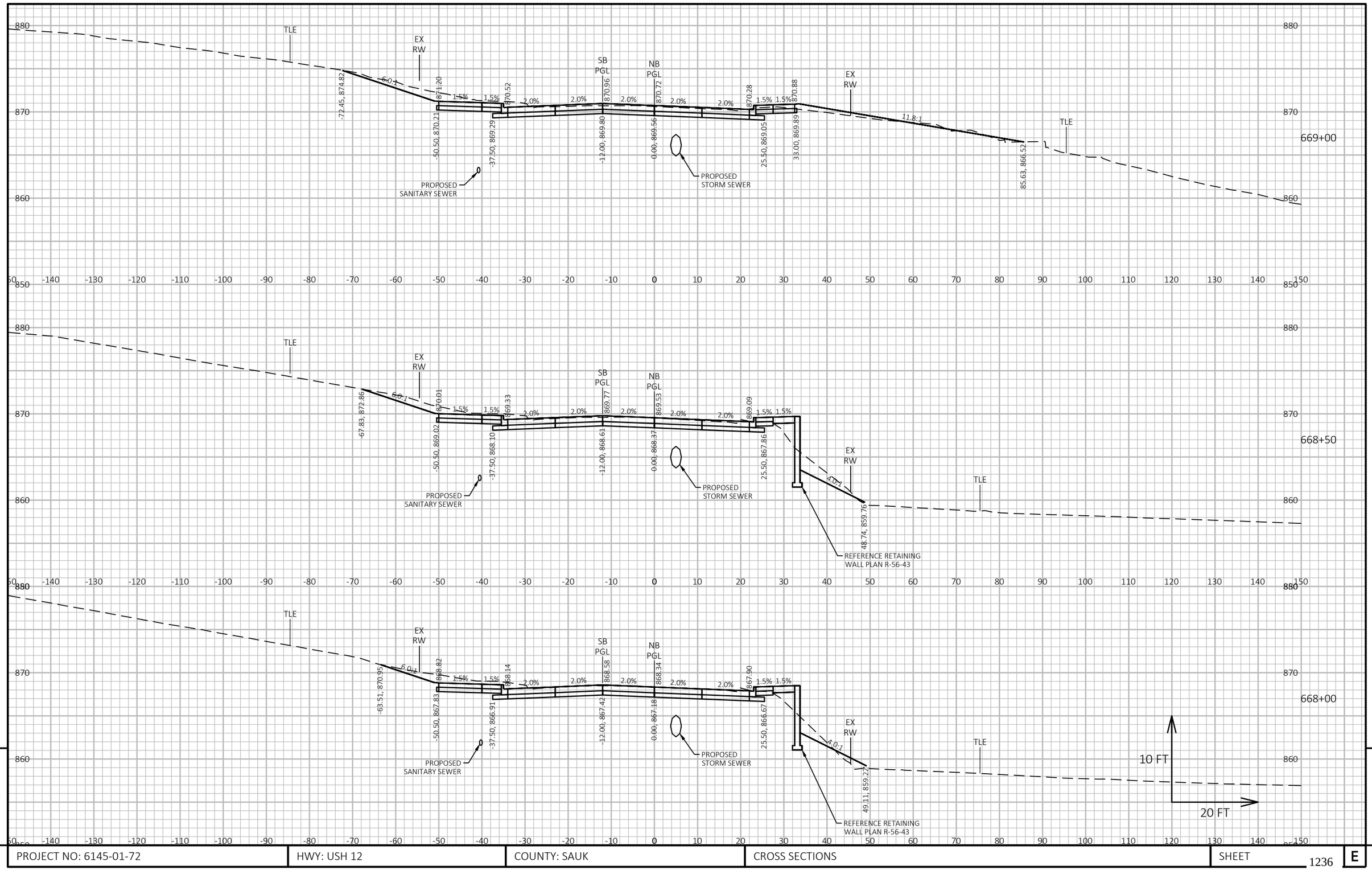


PROJECT NO: 6145-01-72	HWY: USH 12	COUNTY: SAUK	CROSS SECTIONS	SHEET 1235	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-72\090202_XS.DWG
LAYOUT NAME - 090212_xs

PLOT DATE : 6/19/2025 9:56 AM PLOT BY : BARRETT, WILL PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

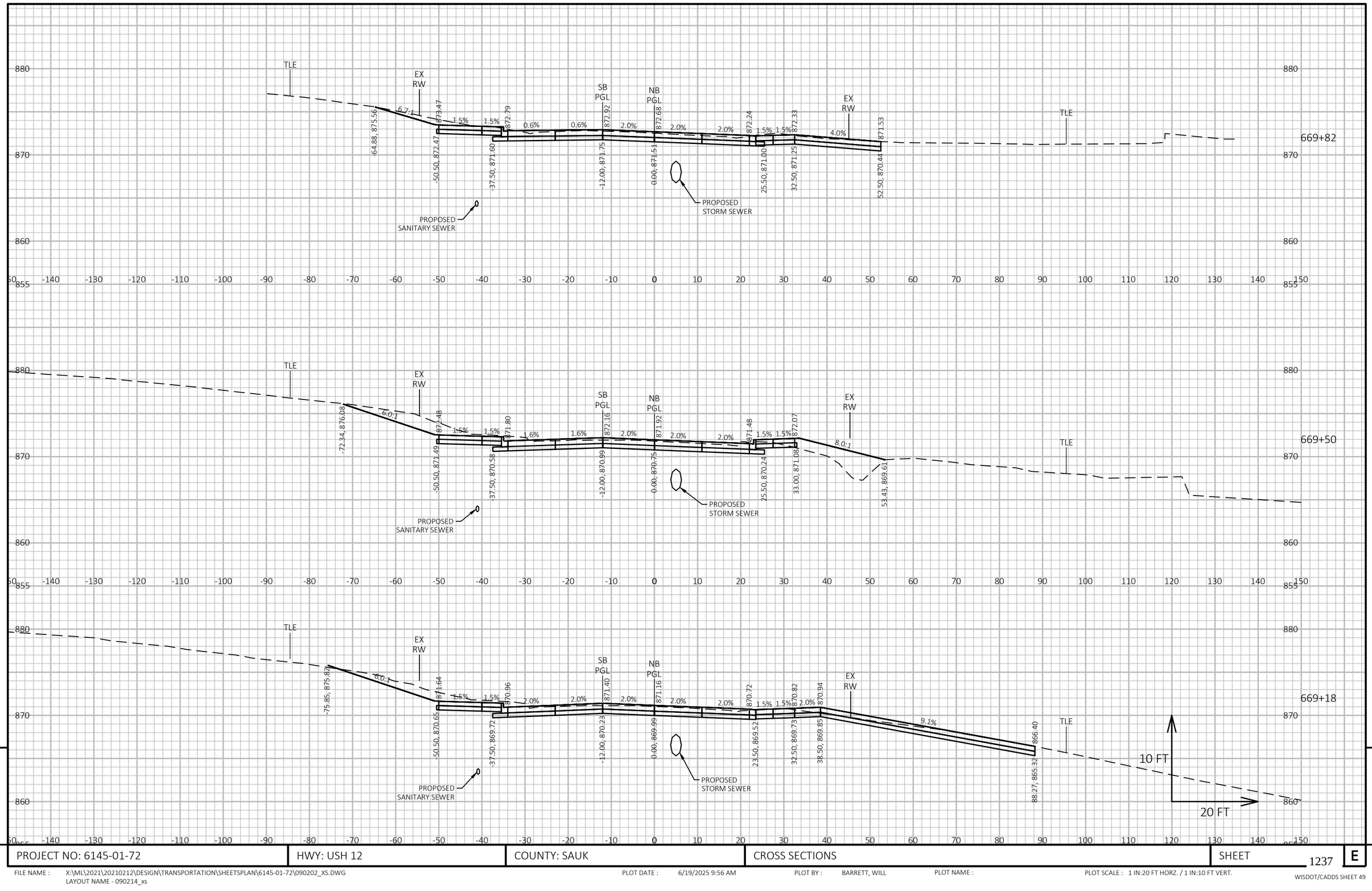
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PROJECT NO: 6145-01-72	HWY: USH 12	COUNTY: SAUK	CROSS SECTIONS	SHEET 1236	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-72\090202_XS.DWG
LAYOUT NAME - 090213_xs

PLOT DATE : 6/19/2025 9:56 AM PLOT BY : BARRETT, WILL PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 6145-01-72	HWY: USH 12	COUNTY: SAUK	CROSS SECTIONS	SHEET 1237	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-72\090202_XS.DWG
LAYOUT NAME - 090214_xs

PLOT DATE : 6/19/2025 9:56 AM

PLOT BY : BARRETT, WILL

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

9

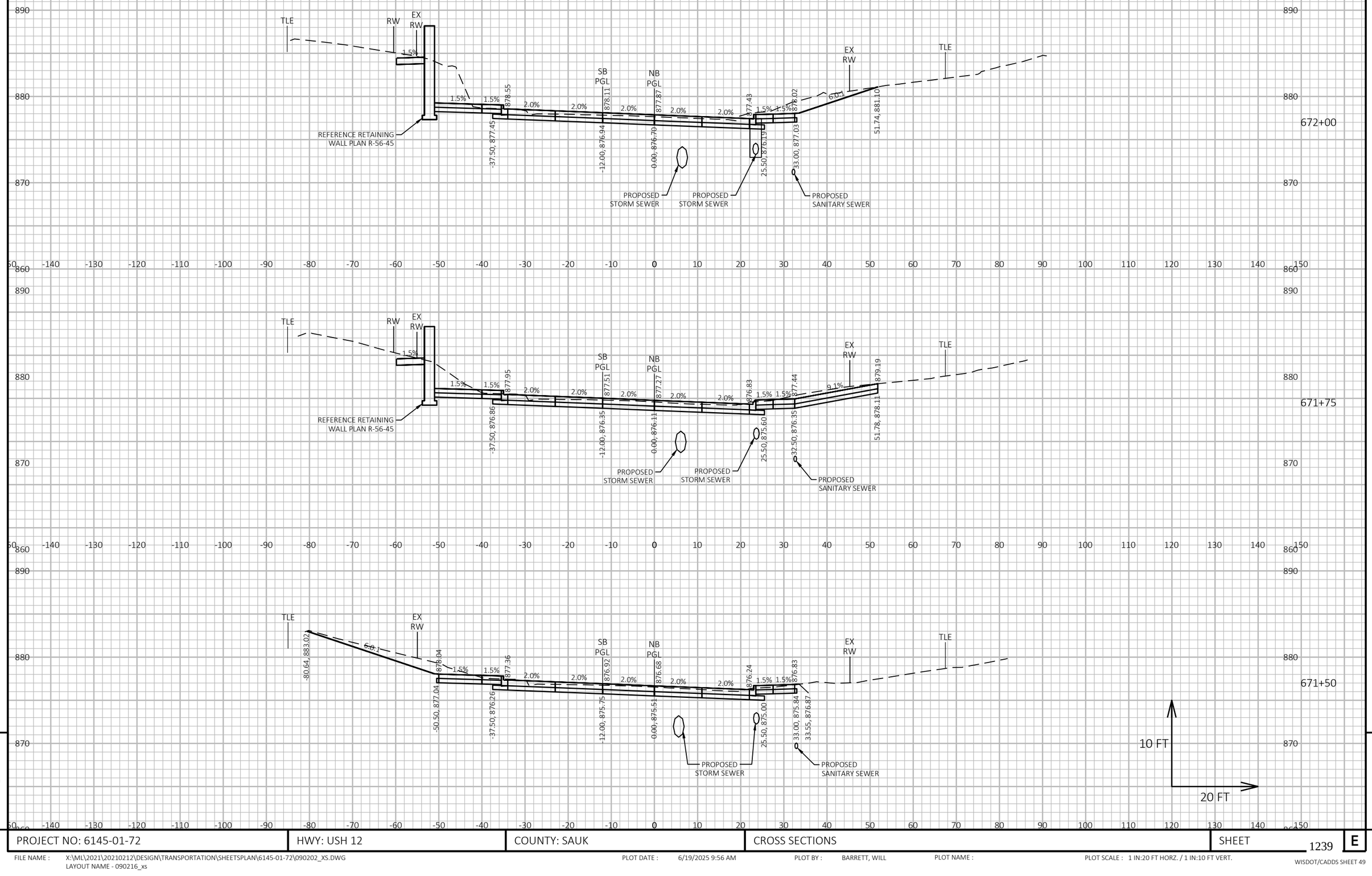
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PROJECT NO: 6145-01-72	HWY: USH 12	COUNTY: SAUK	CROSS SECTIONS	SHEET 1238	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-72\090202_XS.DWG
LAYOUT NAME - 090215_xs

PLOT DATE : 6/19/2025 9:56 AM PLOT BY : BARRETT, WILL PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

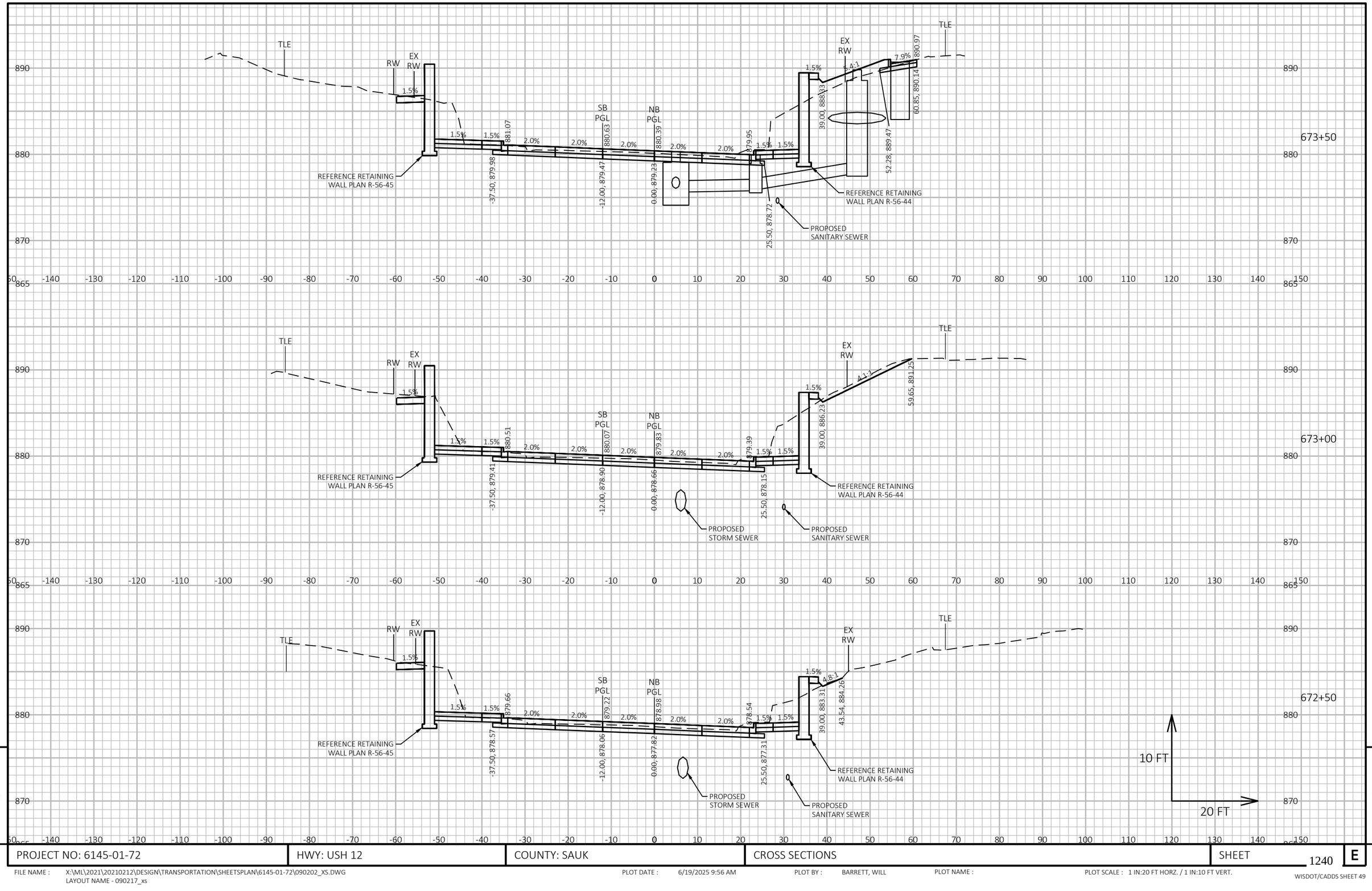


PROJECT NO: 6145-01-72	HWY: USH 12	COUNTY: SAUK	CROSS SECTIONS	SHEET 1239	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-72\090202_XS.DWG
LAYOUT NAME - 090216_xs

PLOT DATE : 6/19/2025 9:56 AM PLOT BY : BARRETT, WILL PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

PROJECT NO: 6145-01-72	HWY: USH 12	COUNTY: SAUK	CROSS SECTIONS	SHEET 1240	E

9

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-72\090202_XS.DWG
LAYOUT NAME - 090217_xs

PLOT DATE : 6/19/2025 9:56 AM PLOT BY : BARRETT, WILL PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

9

9

PROJECT NO: 6145-01-72	HWY: USH 12	COUNTY: SAUK	CROSS SECTIONS	SHEET 1241	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-72\090202_XS.DWG
LAYOUT NAME - 090218_xs

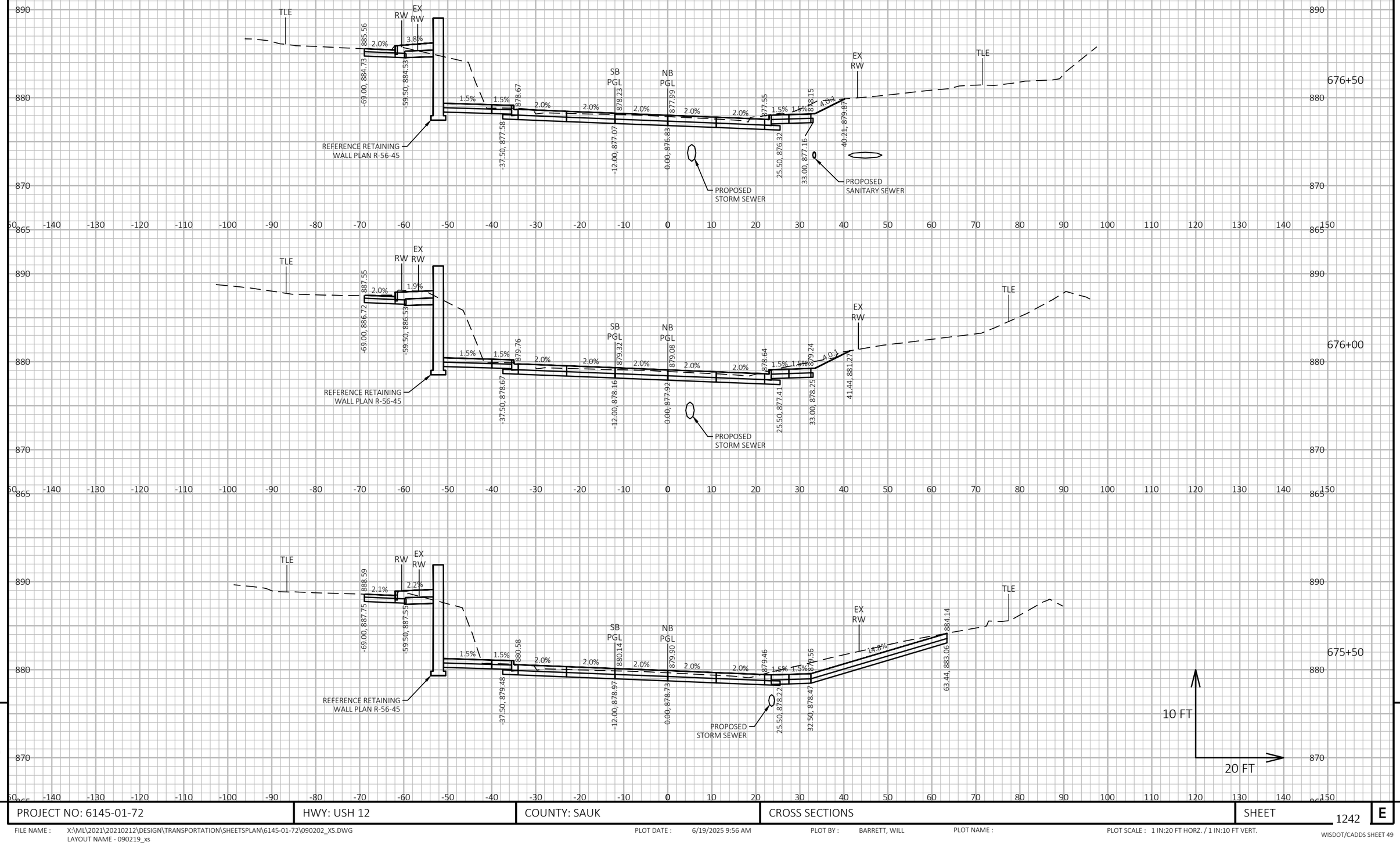
PLOT DATE : 6/19/2025 9:56 AM

PLOT BY : BARRETT, WILL

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 6145-01-72	HWY: USH 12	COUNTY: SAUK	CROSS SECTIONS	SHEET 1242	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-72\090202_XS.DWG
LAYOUT NAME - 090219_xs

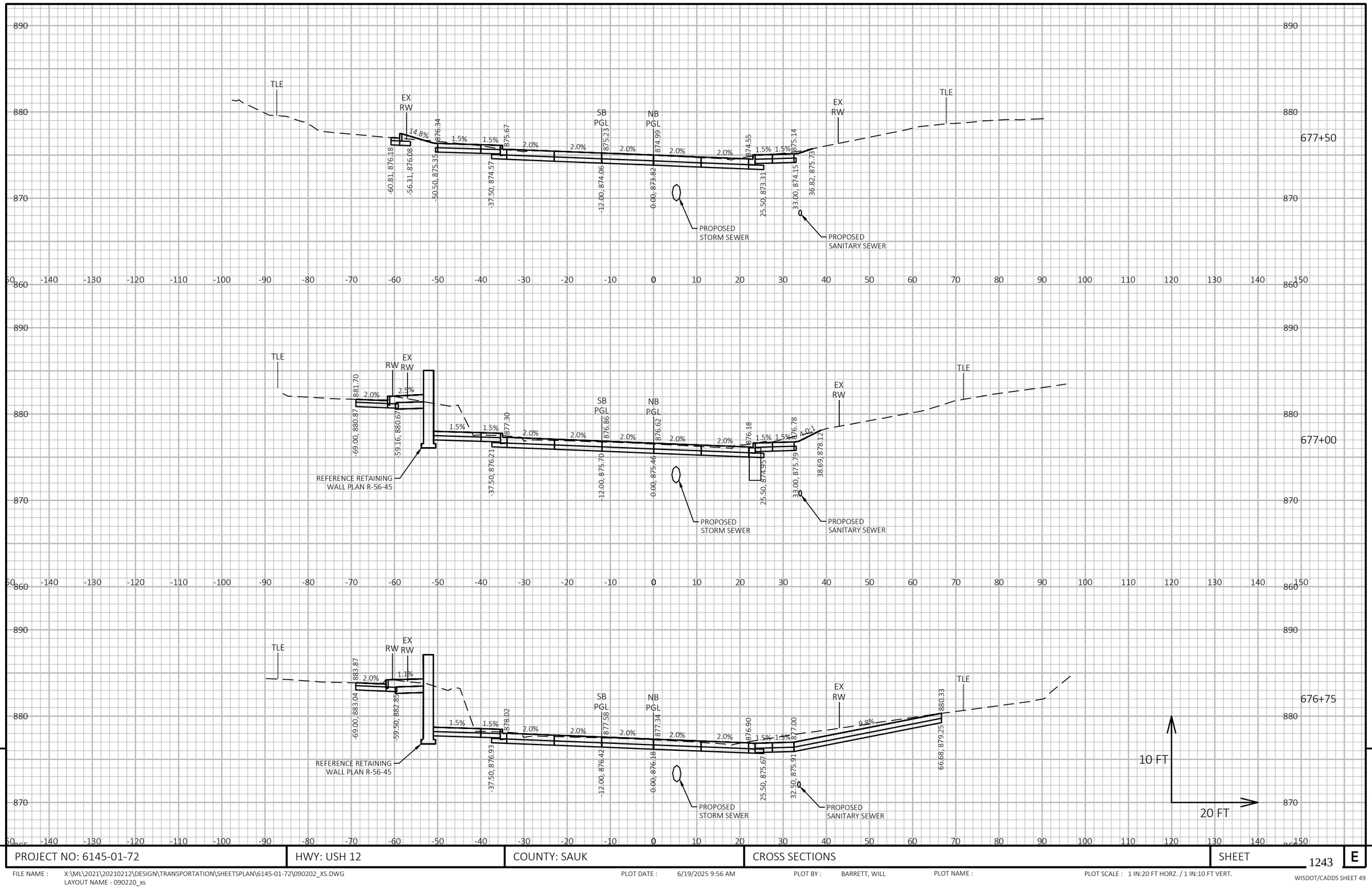
PLOT DATE : 6/19/2025 9:56 AM

PLOT BY : BARRETT, WILL

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

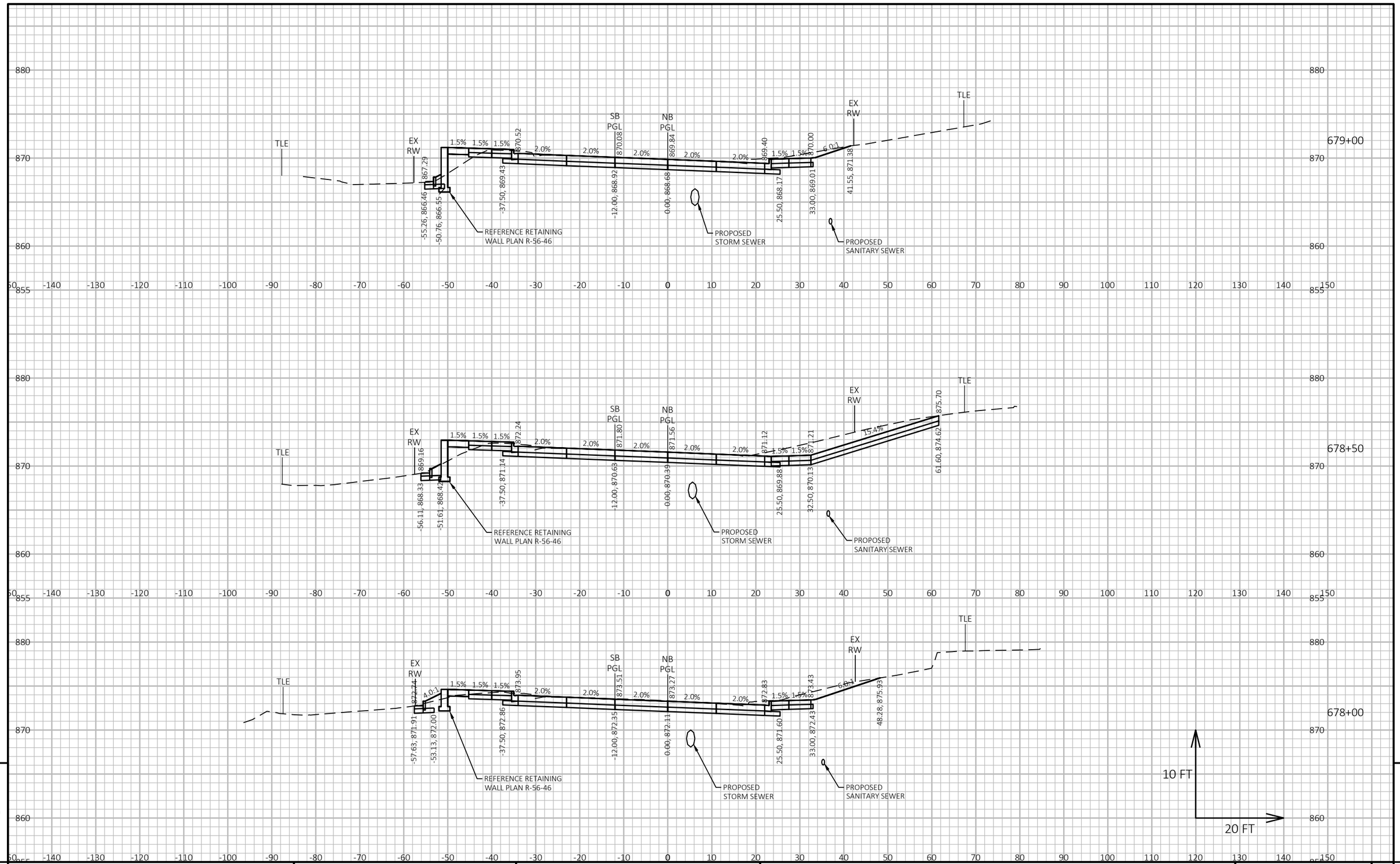
WISDOT/CADDS SHEET 49



9

PROJECT NO: 6145-01-72	HWY: USH 12	COUNTY: SAUK	CROSS SECTIONS	SHEET 1243	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-72\090202_XS.DWG
LAYOUT NAME - 090220_xs
PLOT DATE : 6/19/2025 9:56 AM
PLOT BY : BARRETT, WILL
PLOT NAME :
PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.
WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 6145-01-72	HWY: USH 12	COUNTY: SAUK	CROSS SECTIONS	SHEET 1244	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-72\090202_XS.DWG
LAYOUT NAME - 090221_xs

PLOT DATE : 6/19/2025 9:56 AM

PLOT BY : BARRETT, WILL

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

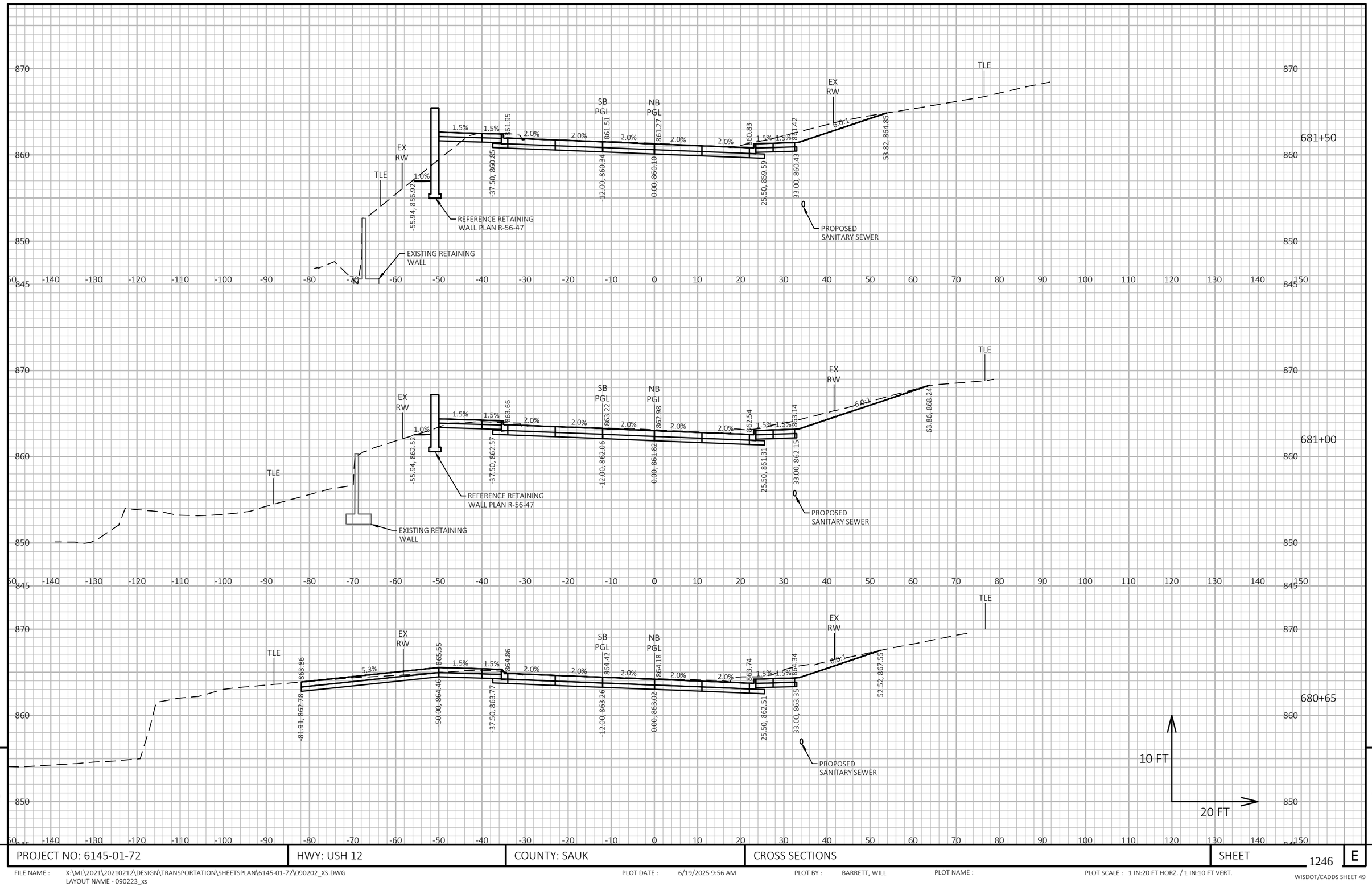
WISDOT/CADDS SHEET 49

PROJECT NO: 6145-01-72	HWY: USH 12	COUNTY: SAUK	CROSS SECTIONS	SHEET 1245	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-72\090202_XS.DWG
LAYOUT NAME - 090222_xs

PLOT DATE : 6/19/2025 9:56 AM PLOT BY : BARRETT, WILL PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

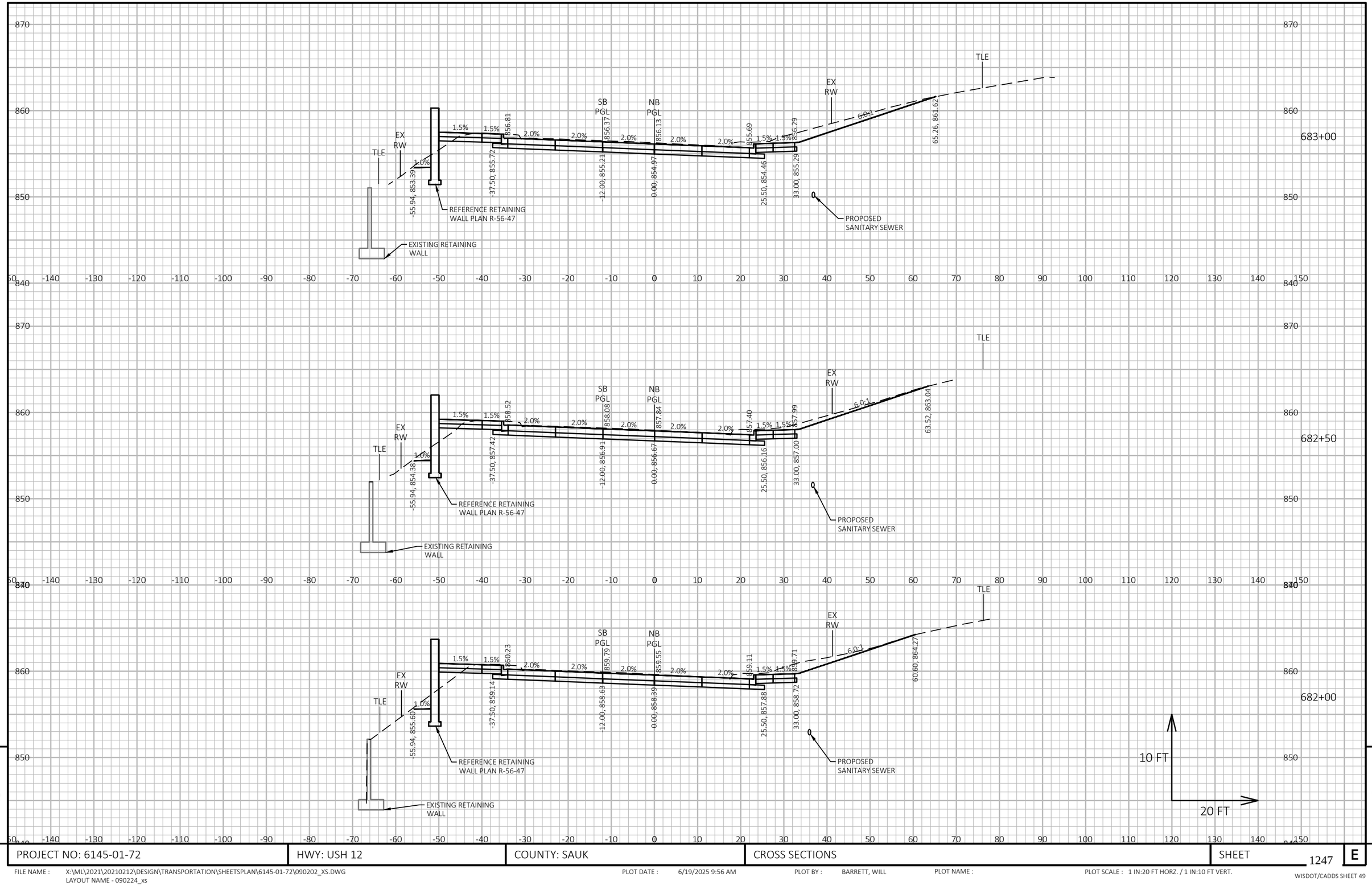
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PROJECT NO: 6145-01-72	HWY: USH 12	COUNTY: SAUK	CROSS SECTIONS	SHEET 1246	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-72\090202_XS.DWG
LAYOUT NAME - 090223_xs

PLOT DATE : 6/19/2025 9:56 AM PLOT BY : BARRETT, WILL PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

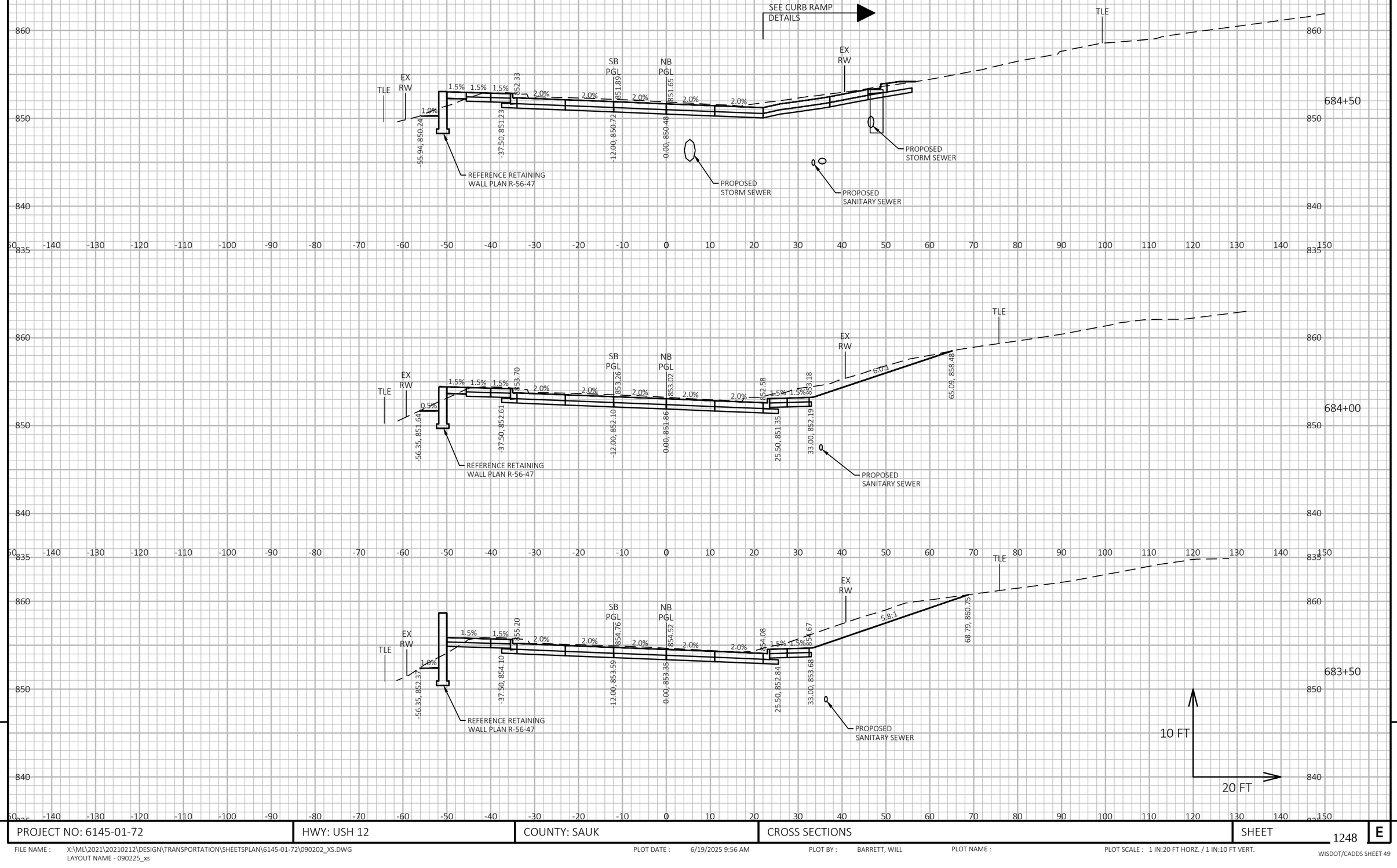


PROJECT NO: 6145-01-72	HWY: USH 12	COUNTY: SAUK	CROSS SECTIONS	SHEET 1247	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-72\090202_XS.DWG
LAYOUT NAME - 090224_xs

PLOT DATE : 6/19/2025 9:56 AM PLOT BY : BARRETT, WILL PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

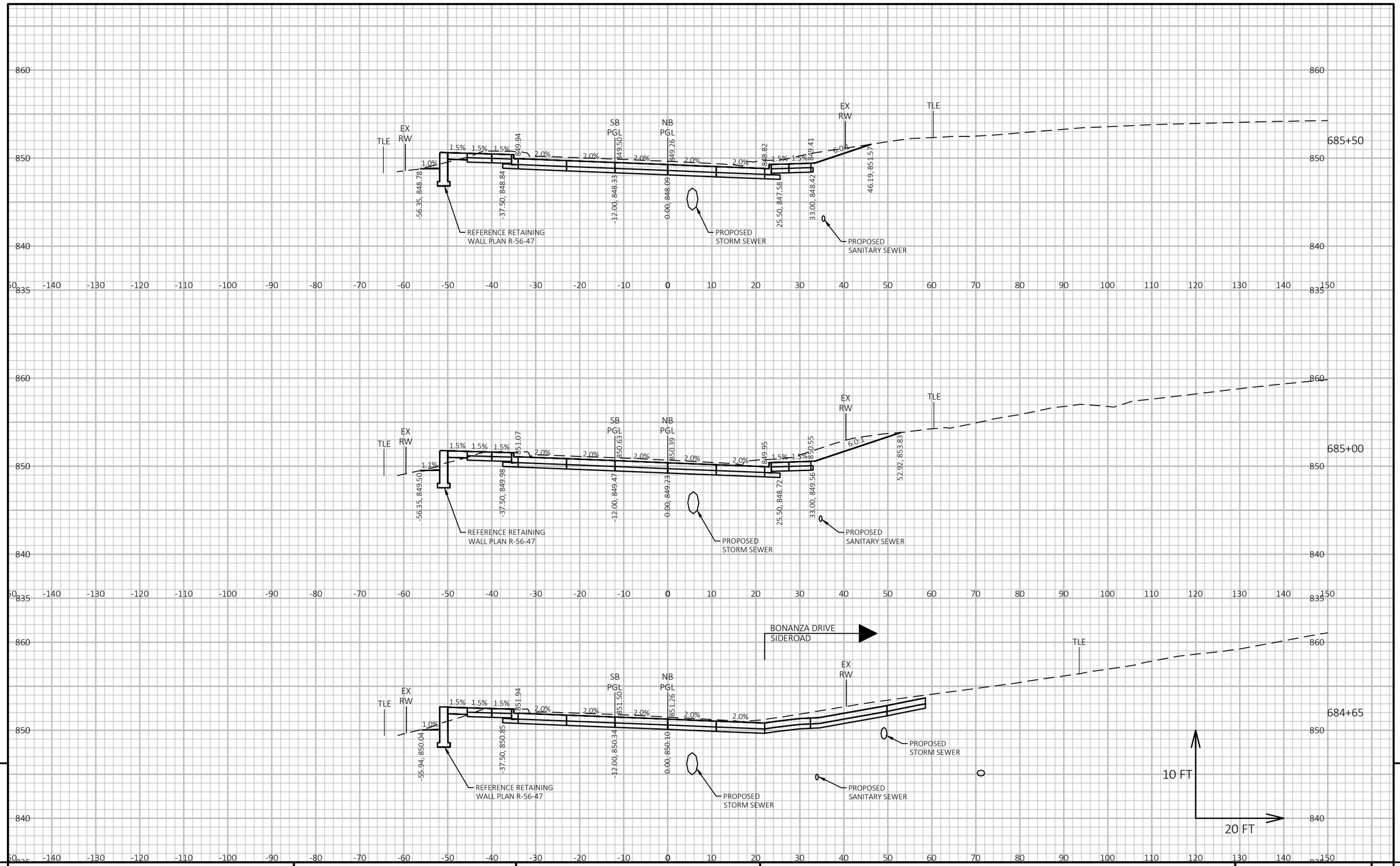


PROJECT NO: 6145-01-72	HWY: USH 12	COUNTY: SAUK	CROSS SECTIONS	SHEET 1248	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-72\090202_XS.DWG
LAYOUT NAME - 090225_xs

PLOT DATE : 6/19/2025 9:56 AM PLOT BY : BARRETT, WILL PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

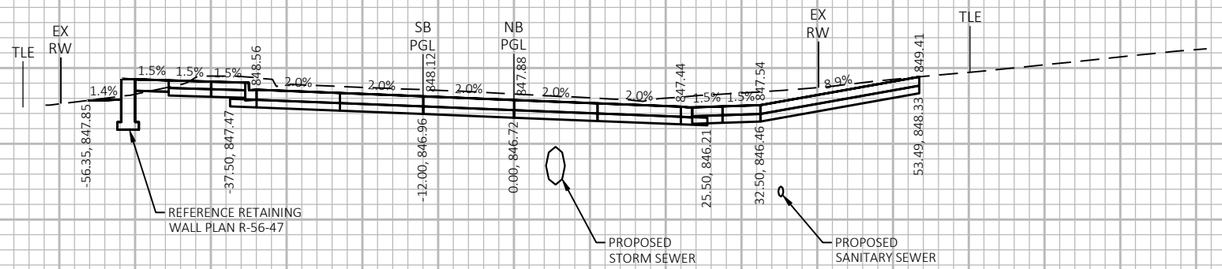
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PROJECT NO: 6145-01-72	HWY: USH 12	COUNTY: SAUK	CROSS SECTIONS	SHEET 1249	E

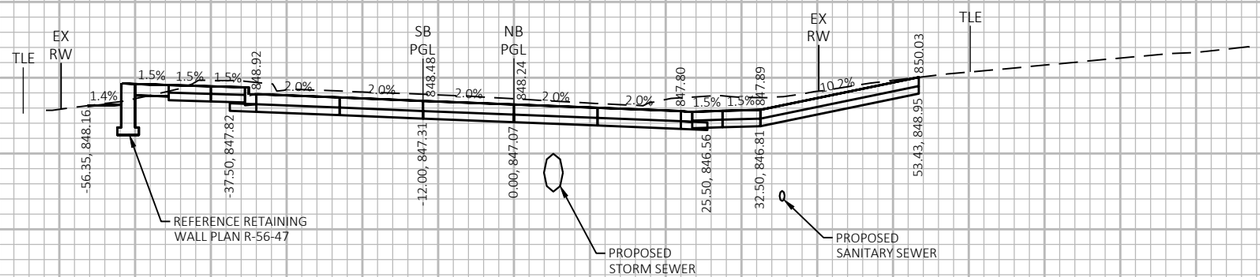
FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-72\090202_XS.DWG
LAYOUT NAME - 090226_xs

PLOT DATE : 6/19/2025 9:57 AM PLOT BY : BARRETT, WILL PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



686+19



686+00

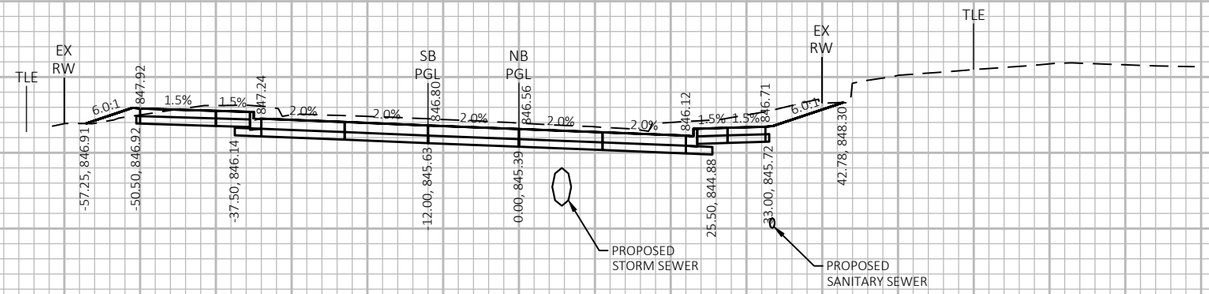
10 FT
20 FT

PROJECT NO: 6145-01-72	HWY: USH 12	COUNTY: SAUK	CROSS SECTIONS	SHEET 1250	E

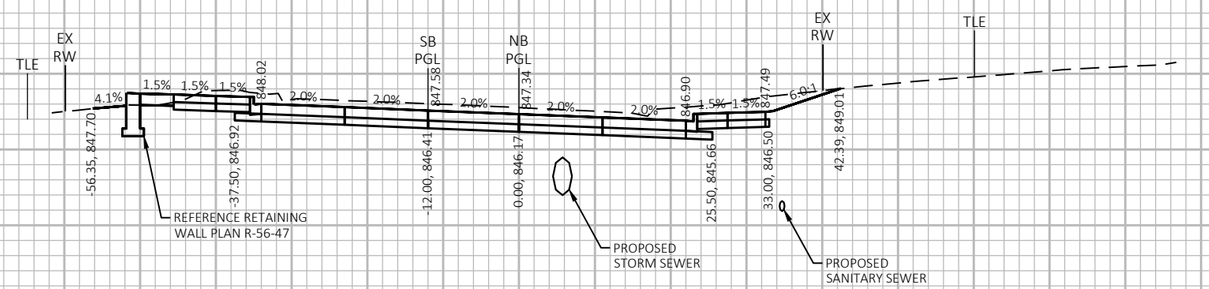
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LAYOUT NAME - 090227_xs

PLOT DATE : 6/19/2025 9:57 AM PLOT BY : BARRETT, WILL PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



687+00



686+50

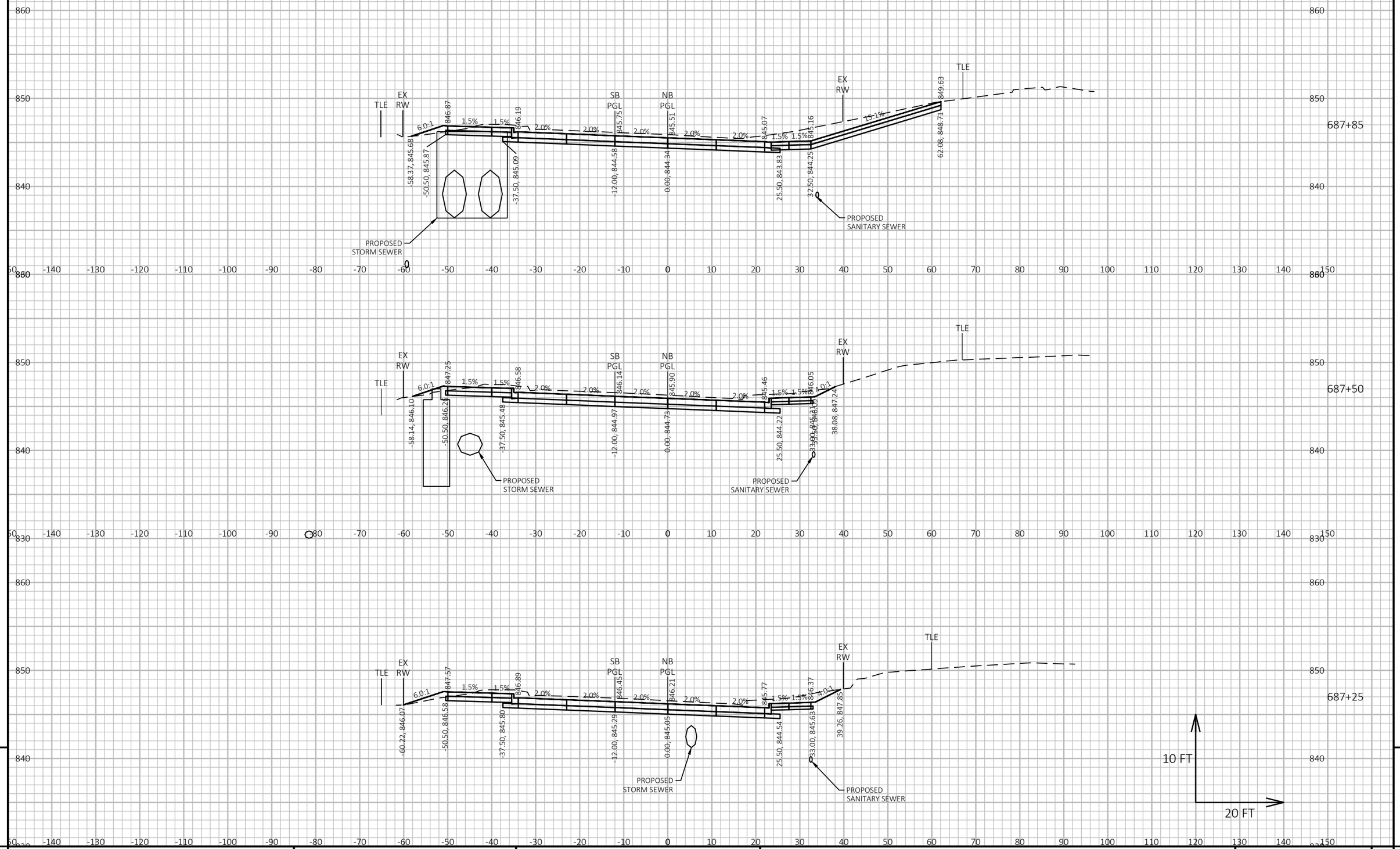
10 FT
20 FT

PROJECT NO: 6145-01-72	HWY: USH 12	COUNTY: SAUK	CROSS SECTIONS	SHEET 1251	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-72\090202_XS.DWG
LAYOUT NAME - 090228_xs

PLOT DATE : 6/19/2025 9:57 AM PLOT BY : BARRETT, WILL PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

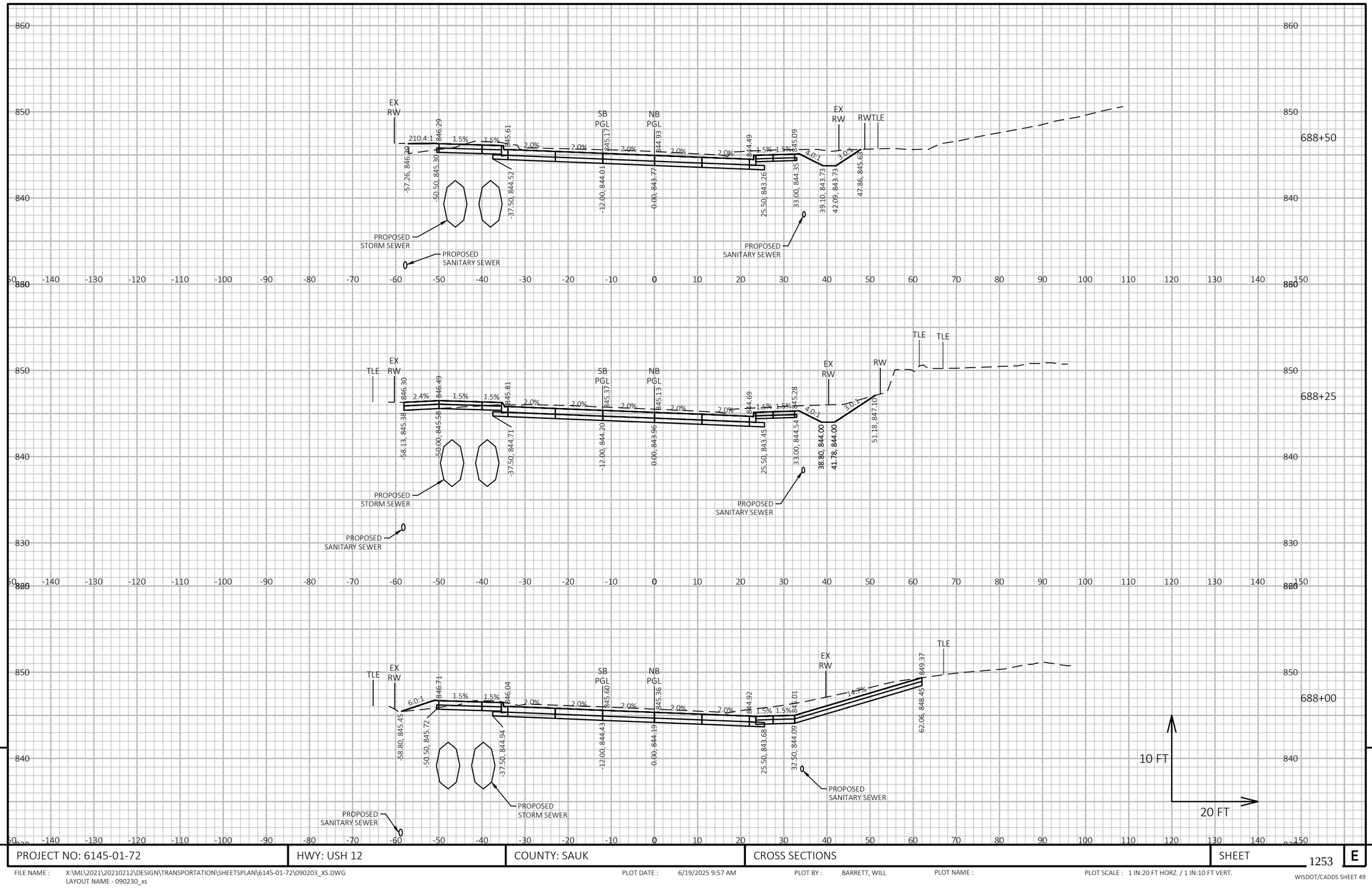


PROJECT NO: 6145-01-72	HWY: USH 12	COUNTY: SAUK	CROSS SECTIONS	SHEET 1252	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-72\090203_XS.DWG
LAYOUT NAME - 090229_xs

PLOT DATE : 6/19/2025 9:57 AM PLOT BY : BARRETT, WILL PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

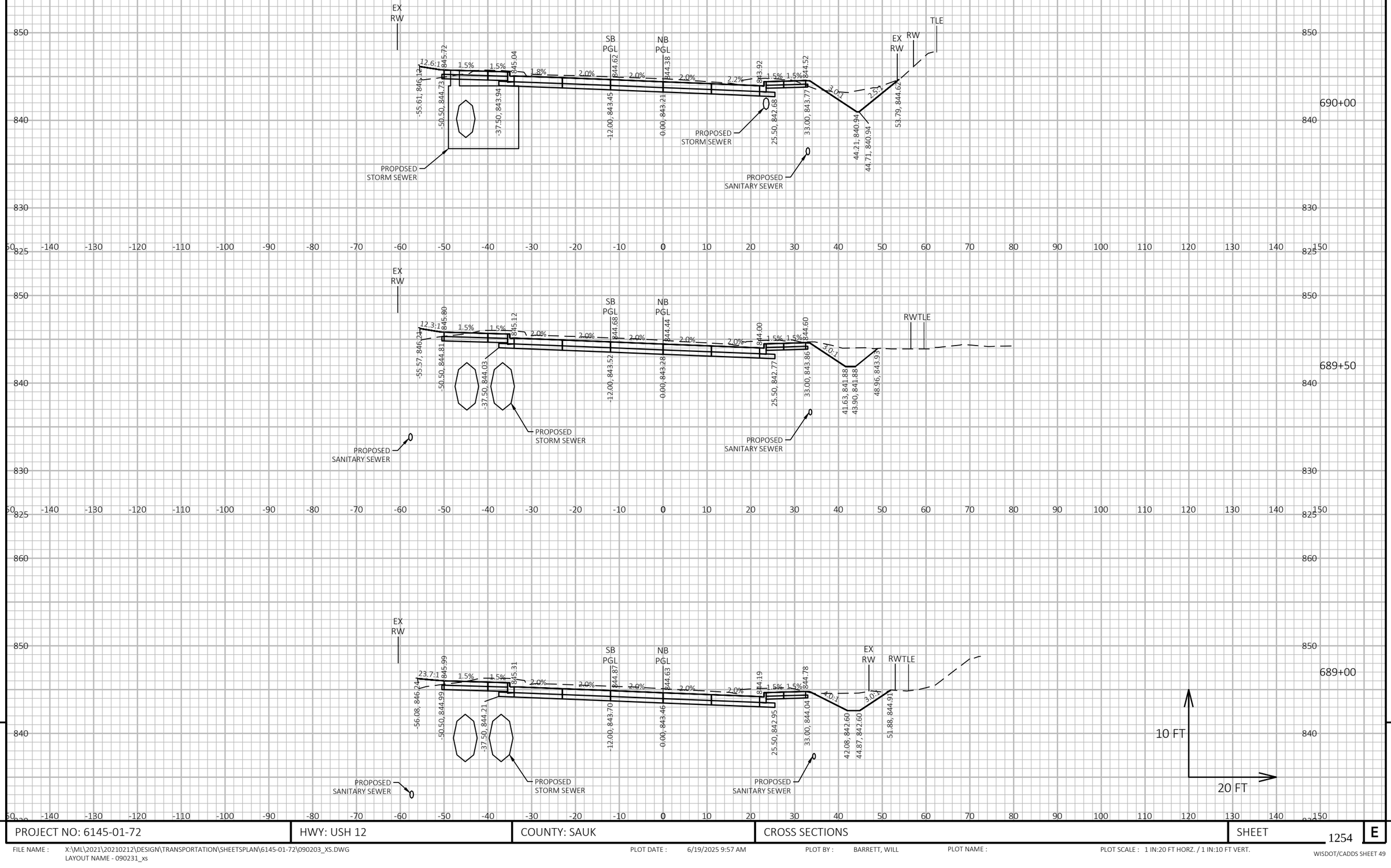
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PROJECT NO: 6145-01-72	HWY: USH 12	COUNTY: SAUK	CROSS SECTIONS	SHEET 1253	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-72\090203_XS.DWG
LAYOUT NAME - 090230_xs

PLOT DATE : 6/19/2025 9:57 AM PLOT BY : BARRETT, WILL PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 6145-01-72	HWY: USH 12	COUNTY: SAUK	CROSS SECTIONS	SHEET 1254	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-72\090203_XS.DWG
LAYOUT NAME - 090231_xs

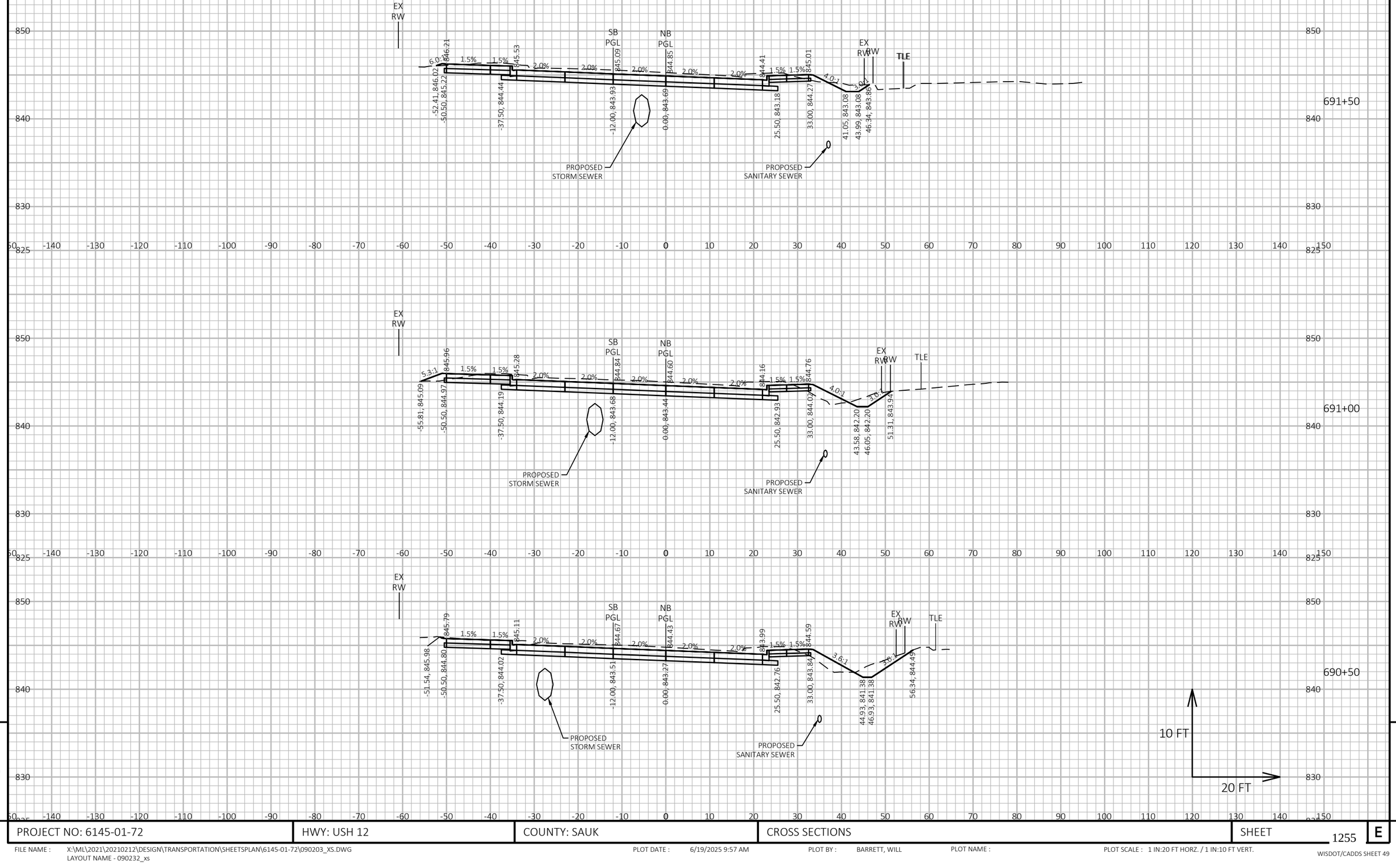
PLOT DATE : 6/19/2025 9:57 AM

PLOT BY : BARRETT, WILL

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

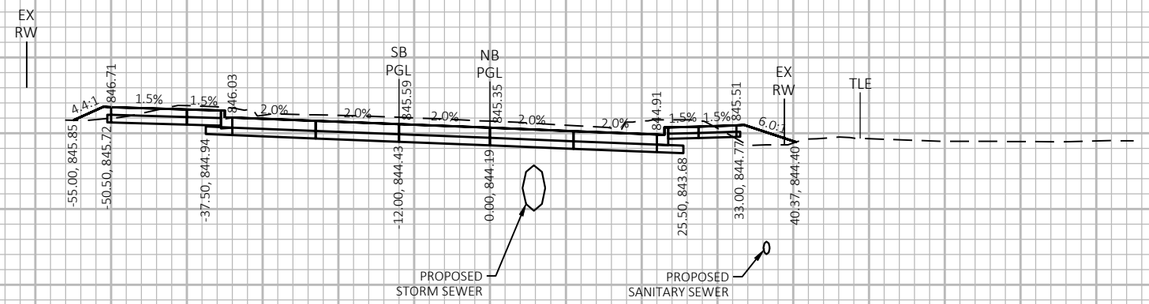


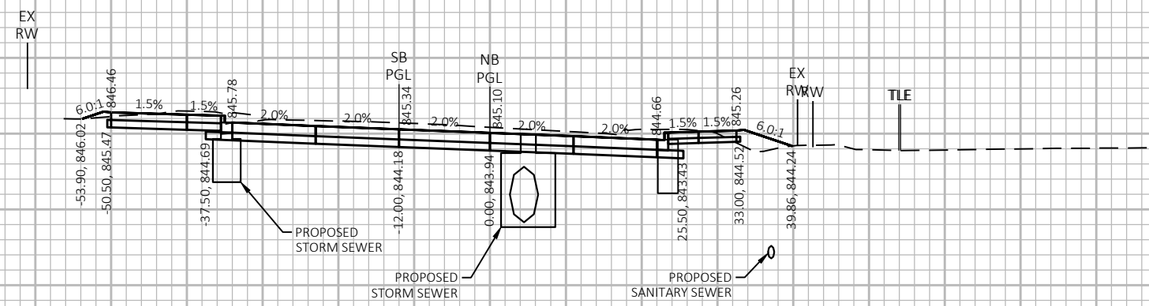
PROJECT NO: 6145-01-72	HWY: USH 12	COUNTY: SAUK	CROSS SECTIONS	SHEET 1255	E

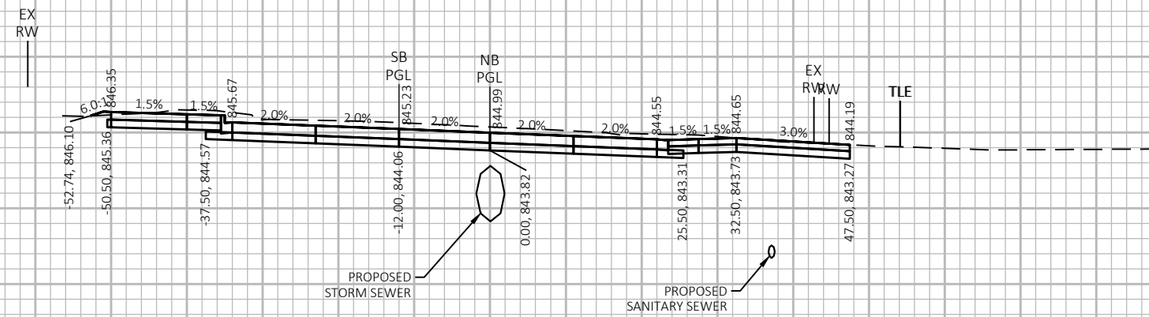
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LAYOUT NAME - 090232_xs

PLOT DATE : 6/19/2025 9:57 AM PLOT BY : BARRETT, WILL PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49





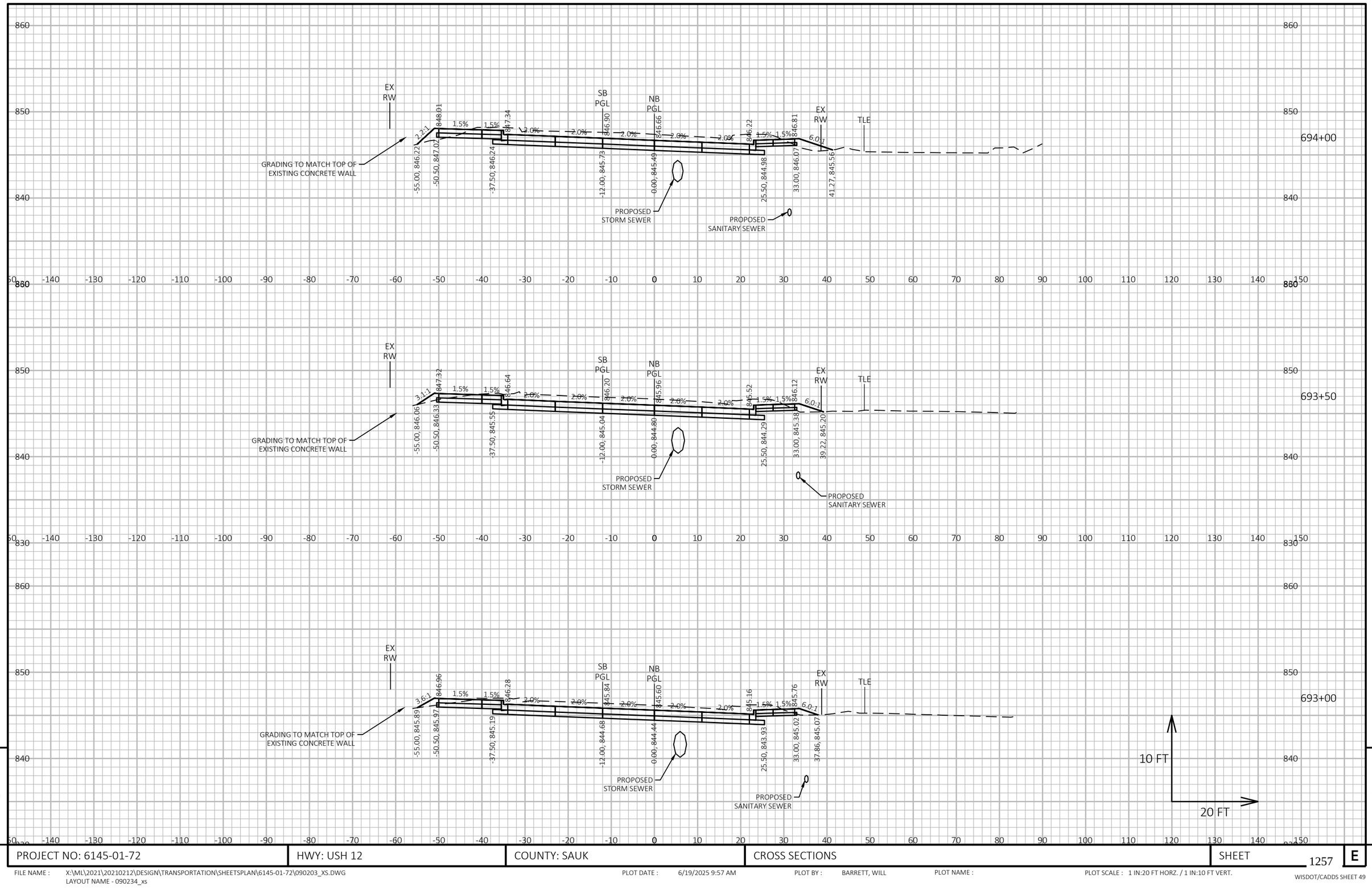


PROJECT NO: 6145-01-72	HWY: USH 12	COUNTY: SAUK	CROSS SECTIONS	SHEET 1256	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-72\090203_XS.DWG
LAYOUT NAME - 090233_xs

PLOT DATE : 6/19/2025 9:57 AM PLOT BY : BARRETT, WILL PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

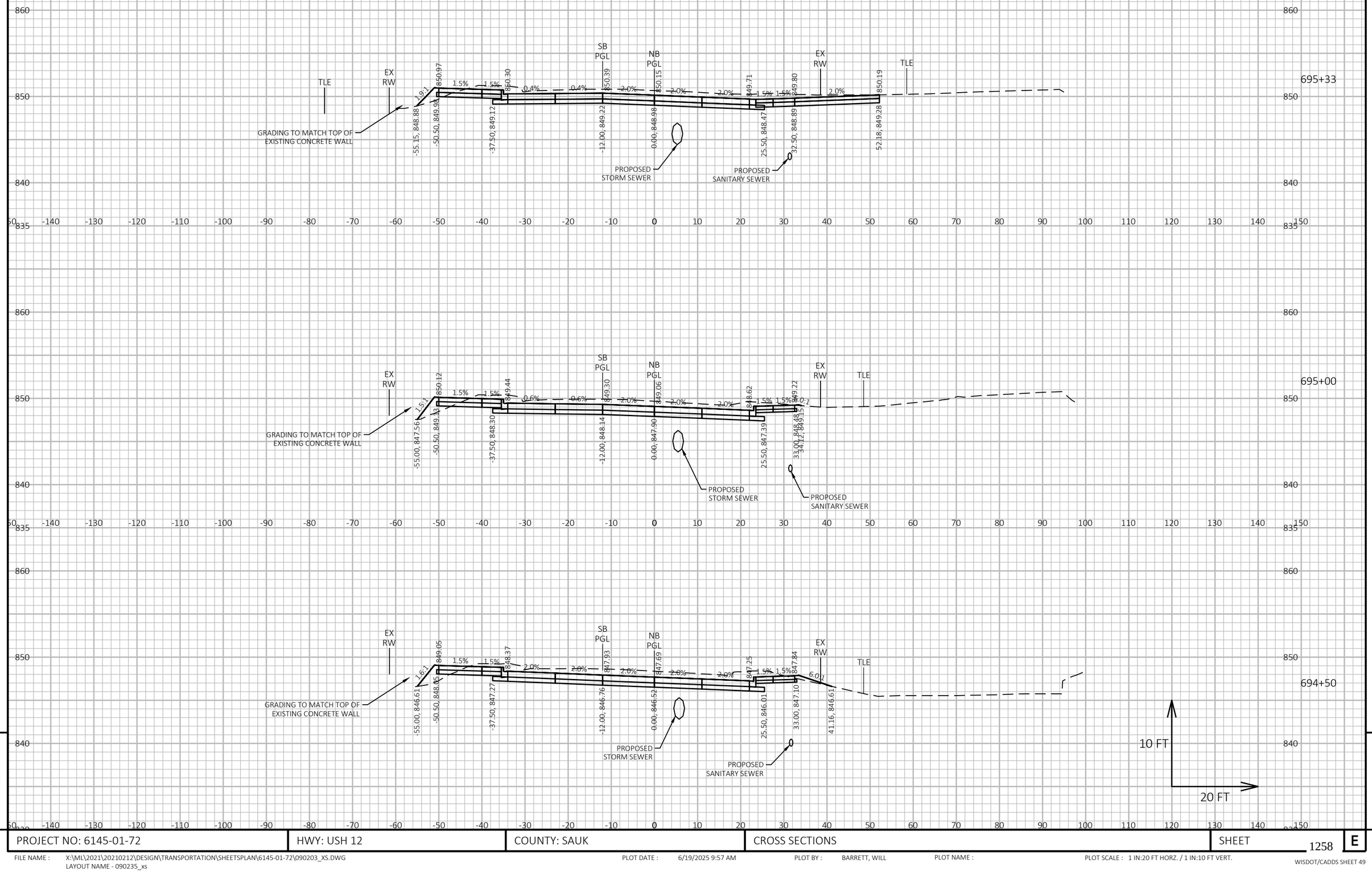


PROJECT NO: 6145-01-72	HWY: USH 12	COUNTY: SAUK	CROSS SECTIONS	SHEET 1257	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-72\090203_XS.DWG
LAYOUT NAME - 090234_xs

PLOT DATE : 6/19/2025 9:57 AM PLOT BY : BARRETT, WILL PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

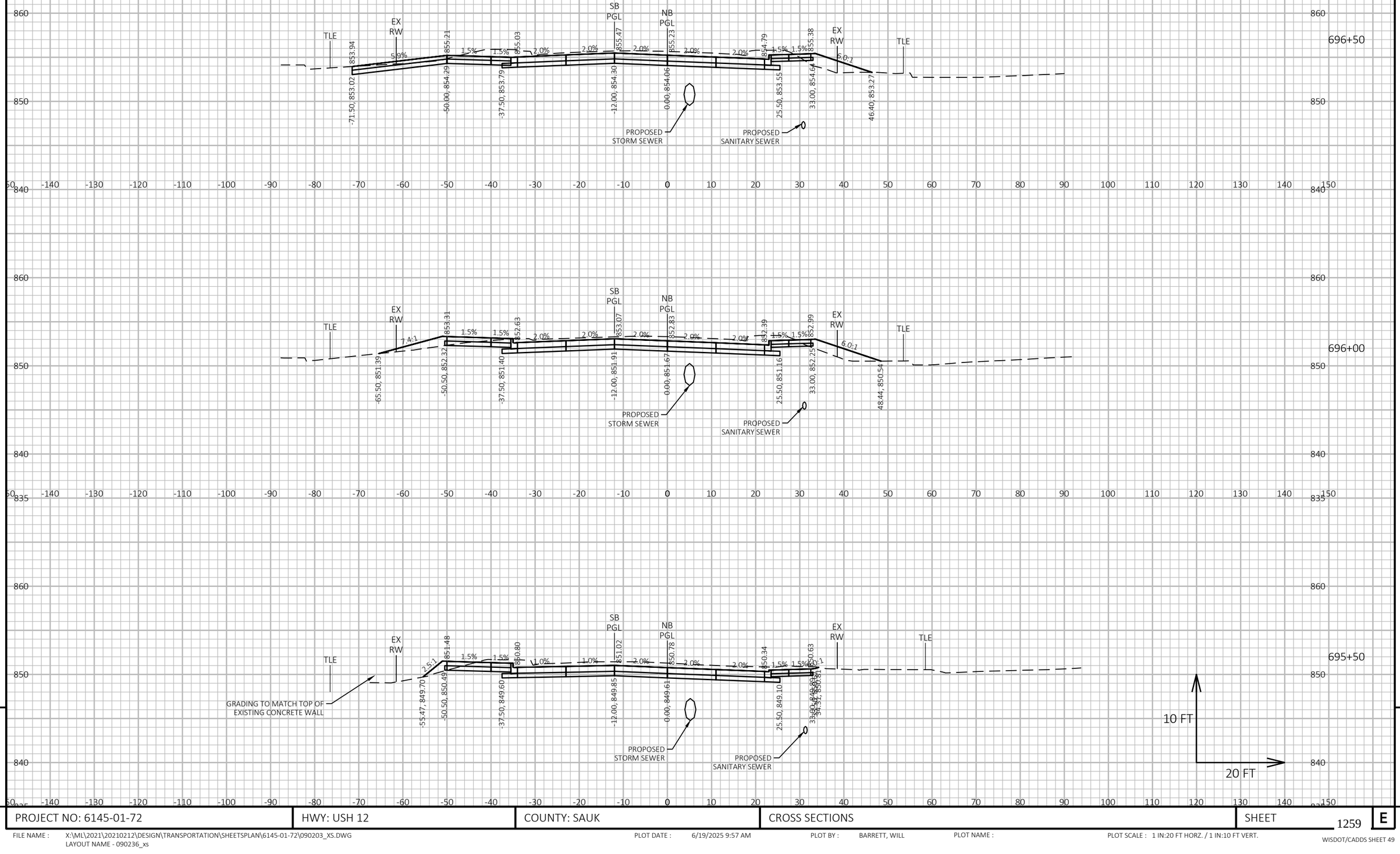


PROJECT NO: 6145-01-72	HWY: USH 12	COUNTY: SAUK	CROSS SECTIONS	SHEET 1258	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-72\090203_XS.DWG
LAYOUT NAME - 090235_xs

PLOT DATE : 6/19/2025 9:57 AM PLOT BY : BARRETT, WILL PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

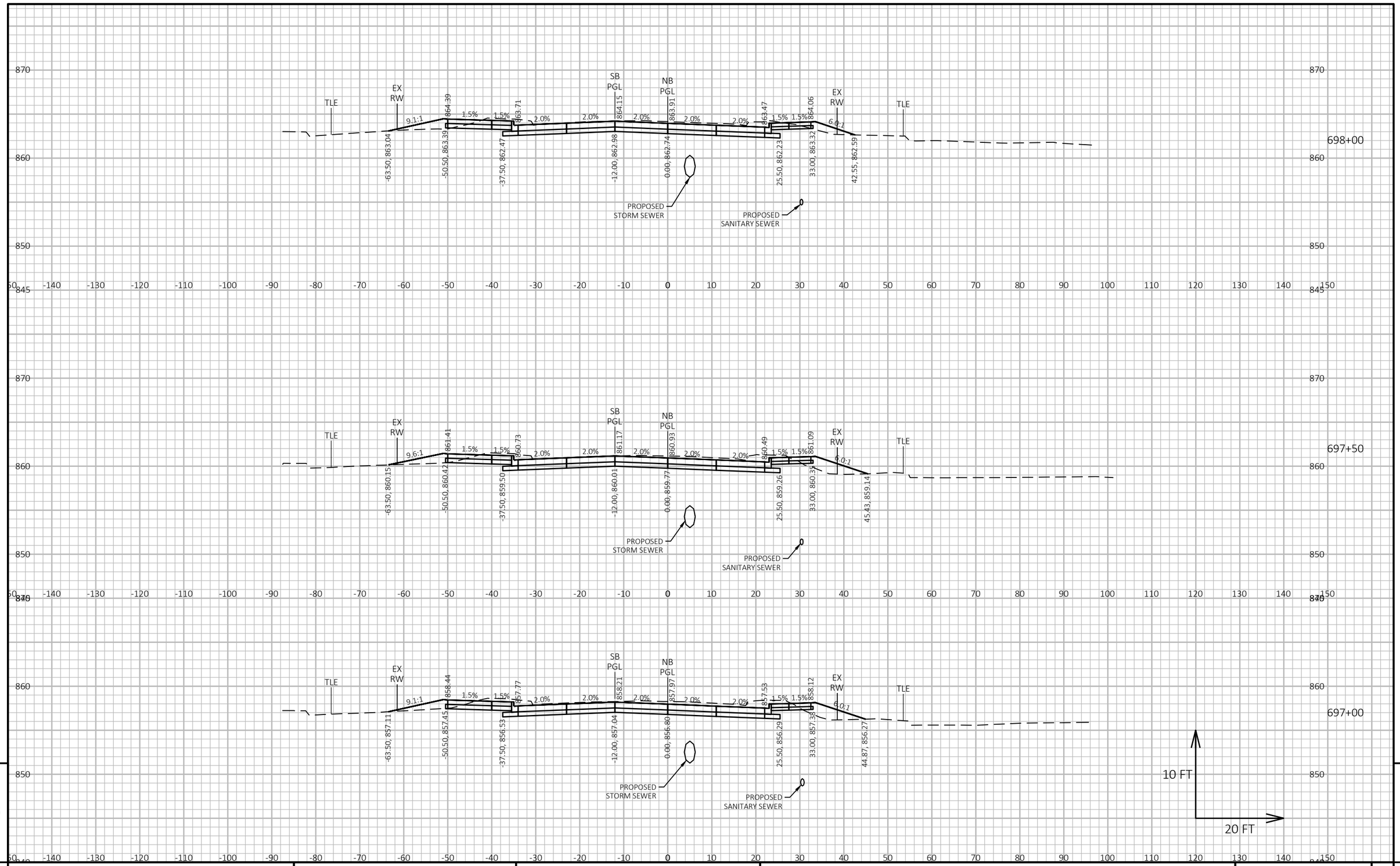


PROJECT NO: 6145-01-72	HWY: USH 12	COUNTY: SAUK	CROSS SECTIONS	SHEET 1259 E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-72\090203_XS.DWG
LAYOUT NAME - 090236_xs

PLOT DATE : 6/19/2025 9:57 AM PLOT BY : BARRETT, WILL PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

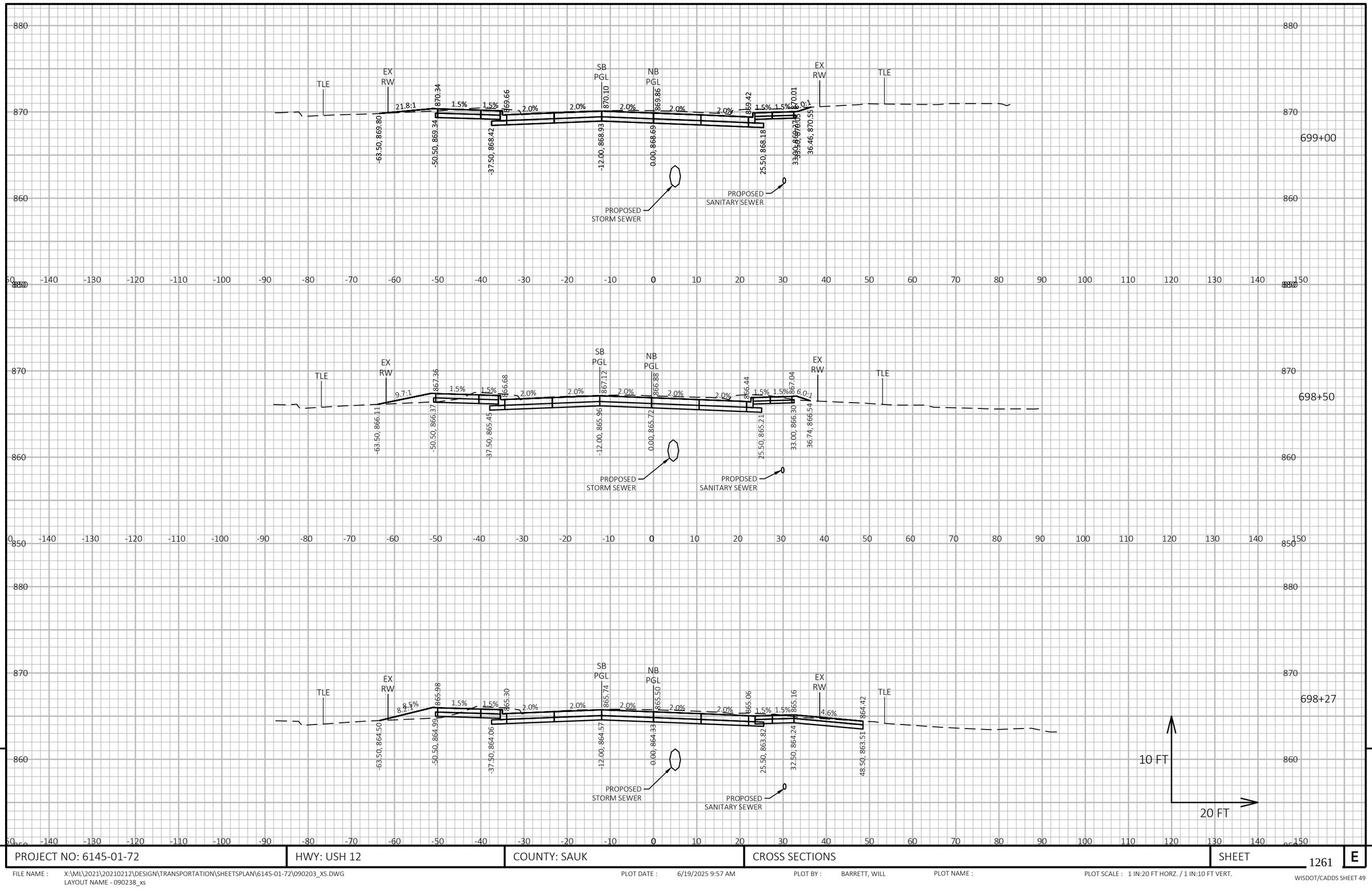


PROJECT NO: 6145-01-72	HWY: USH 12	COUNTY: SAUK	CROSS SECTIONS	SHEET 1260	E

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LAYOUT NAME - 090237_xs

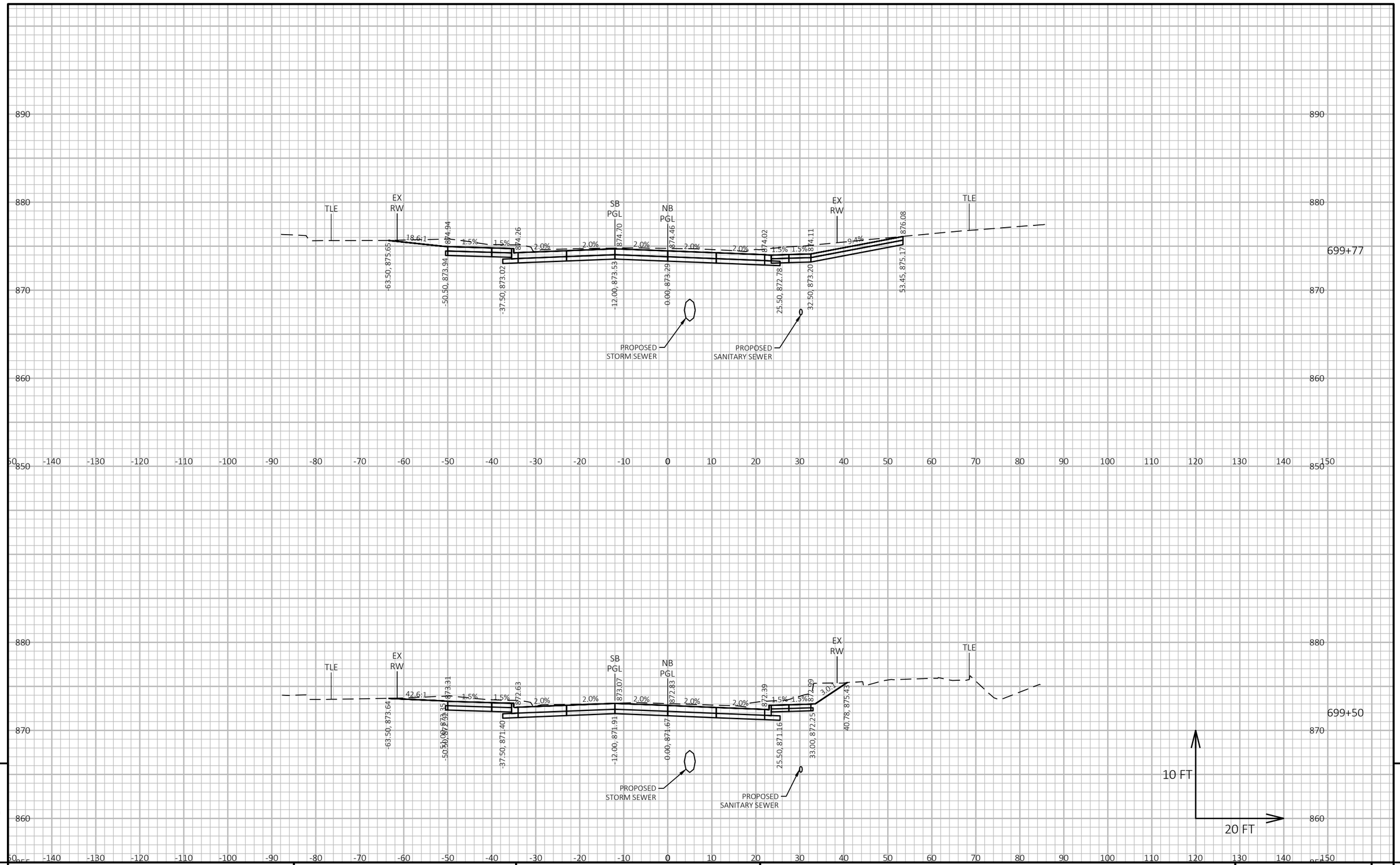
PLOT DATE : 6/19/2025 9:57 AM PLOT BY : BARRETT, WILL PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 6145-01-72	HWY: USH 12	COUNTY: SAUK	CROSS SECTIONS	SHEET 1261	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-72\090203_XS.DWG
LAYOUT NAME - 090238_xs
PLOT DATE : 6/19/2025 9:57 AM
PLOT BY : BARRETT, WILL
PLOT NAME :
PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.
WISDOT/CADDS SHEET 49

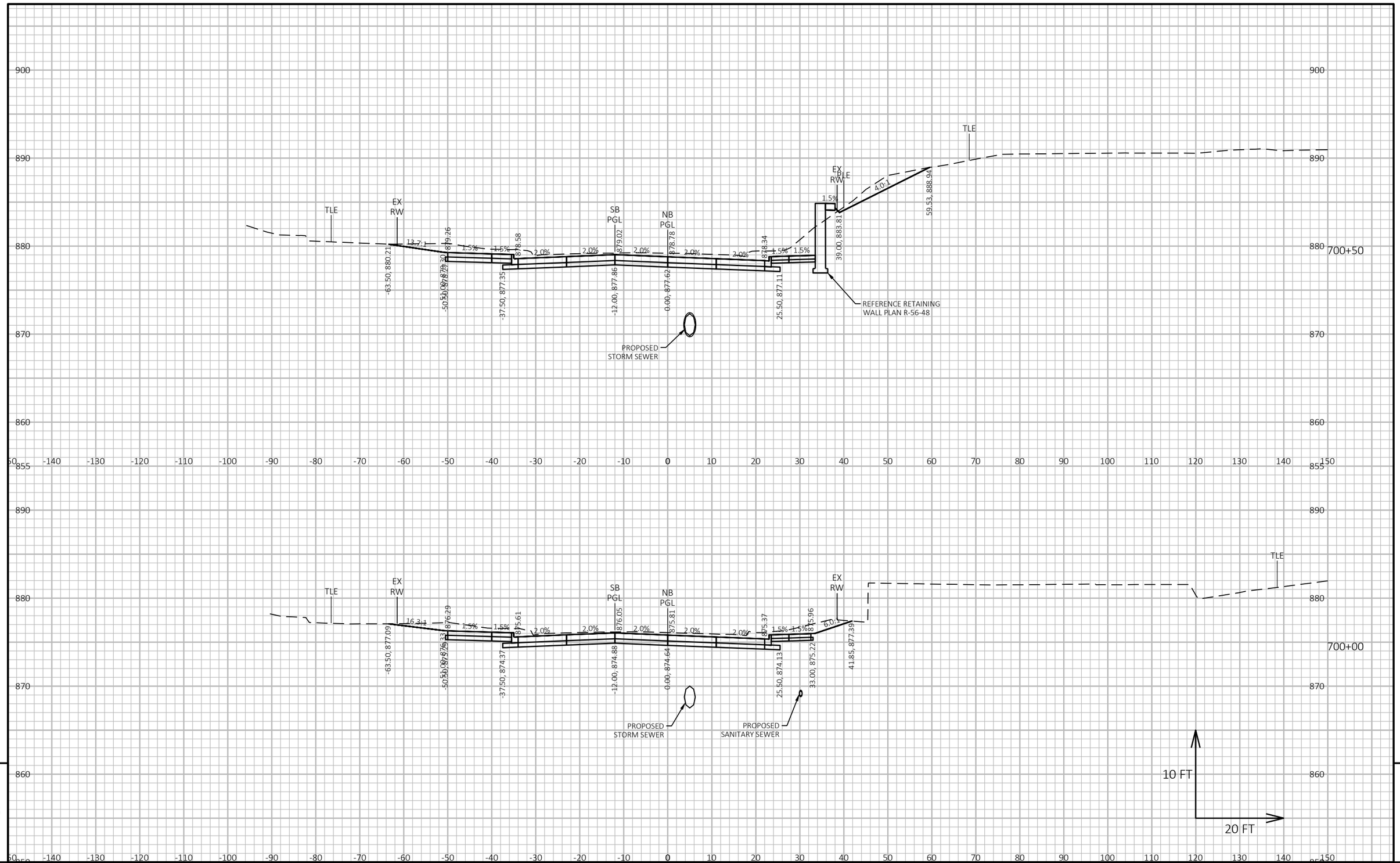


PROJECT NO: 6145-01-72	HWY: USH 12	COUNTY: SAUK	CROSS SECTIONS	SHEET 1262	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-72\090203_XS.DWG
LAYOUT NAME - 090239_xs

PLOT DATE : 6/19/2025 9:57 AM PLOT BY : BARRETT, WILL PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

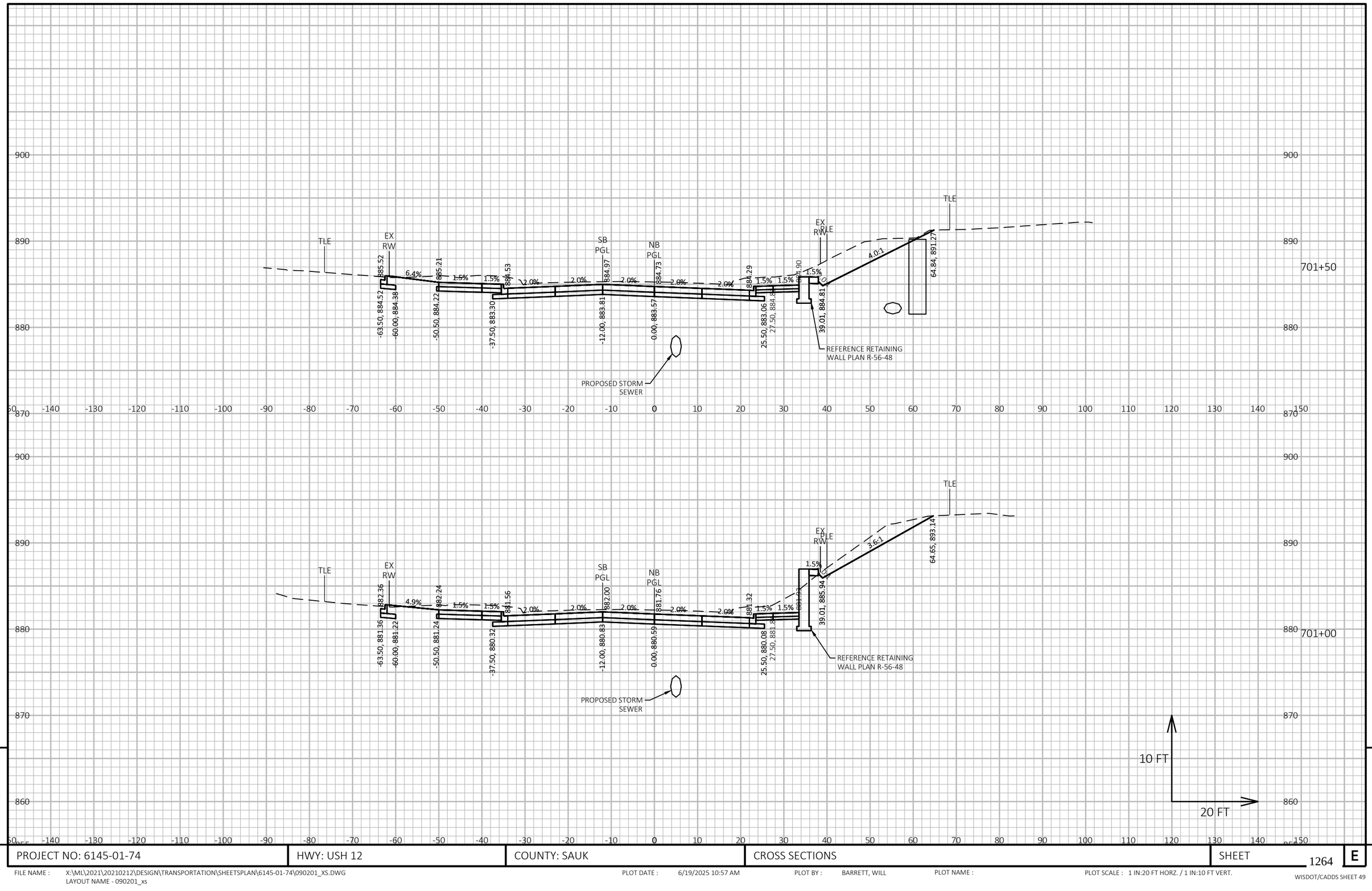


PROJECT NO: 6145-01-72	HWY: USH 12	COUNTY: SAUK	CROSS SECTIONS	SHEET 1263	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-72\090203_XS.DWG
LAYOUT NAME - 090240_xs

PLOT DATE : 6/19/2025 9:57 AM PLOT BY : BARRETT, WILL PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

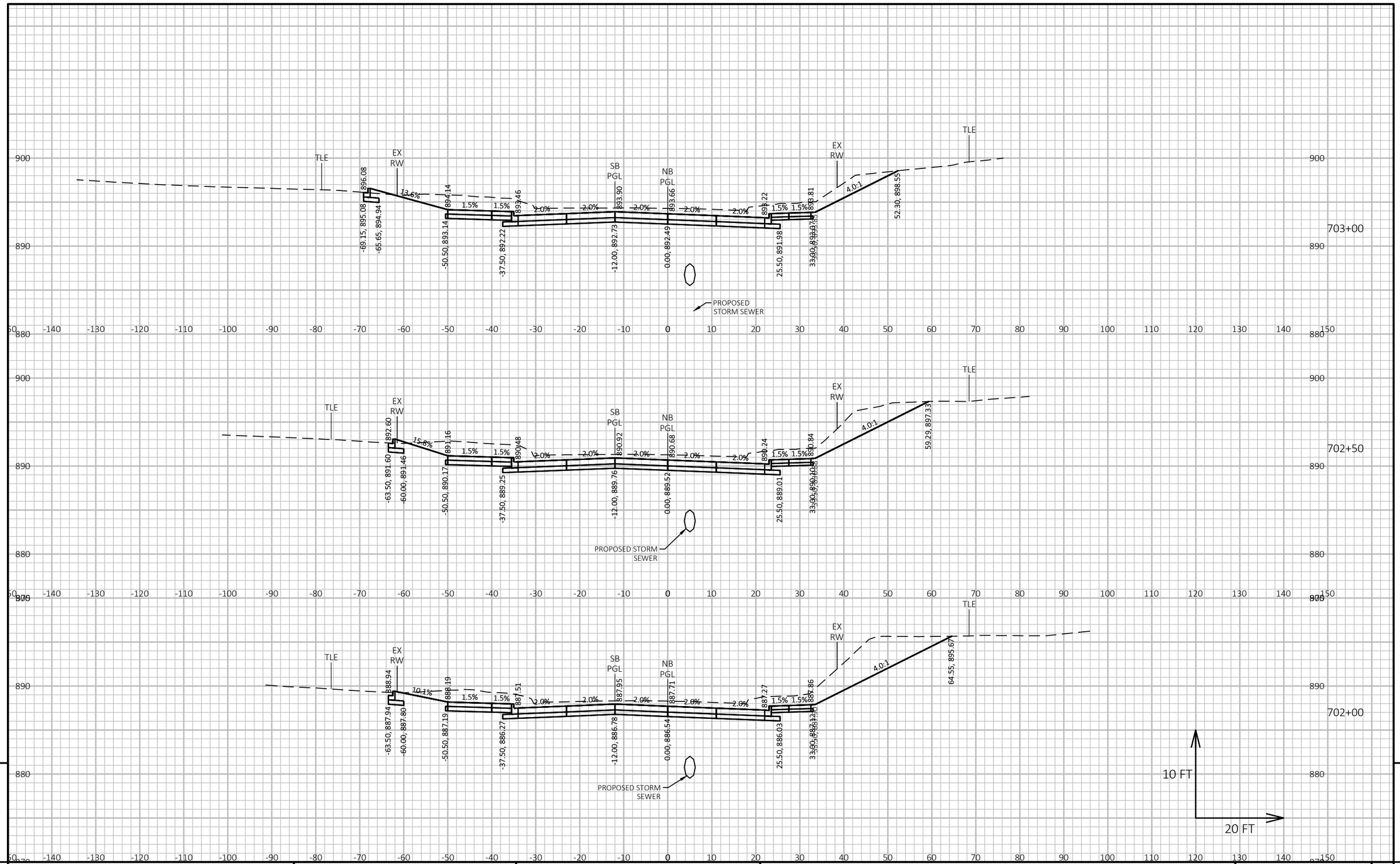
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PROJECT NO: 6145-01-74	HWY: USH 12	COUNTY: SAUK	CROSS SECTIONS	SHEET 1264	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-74\090201_XS.DWG
LAYOUT NAME - 090201_xs

PLOT DATE : 6/19/2025 10:57 AM PLOT BY : BARRETT, WILL PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

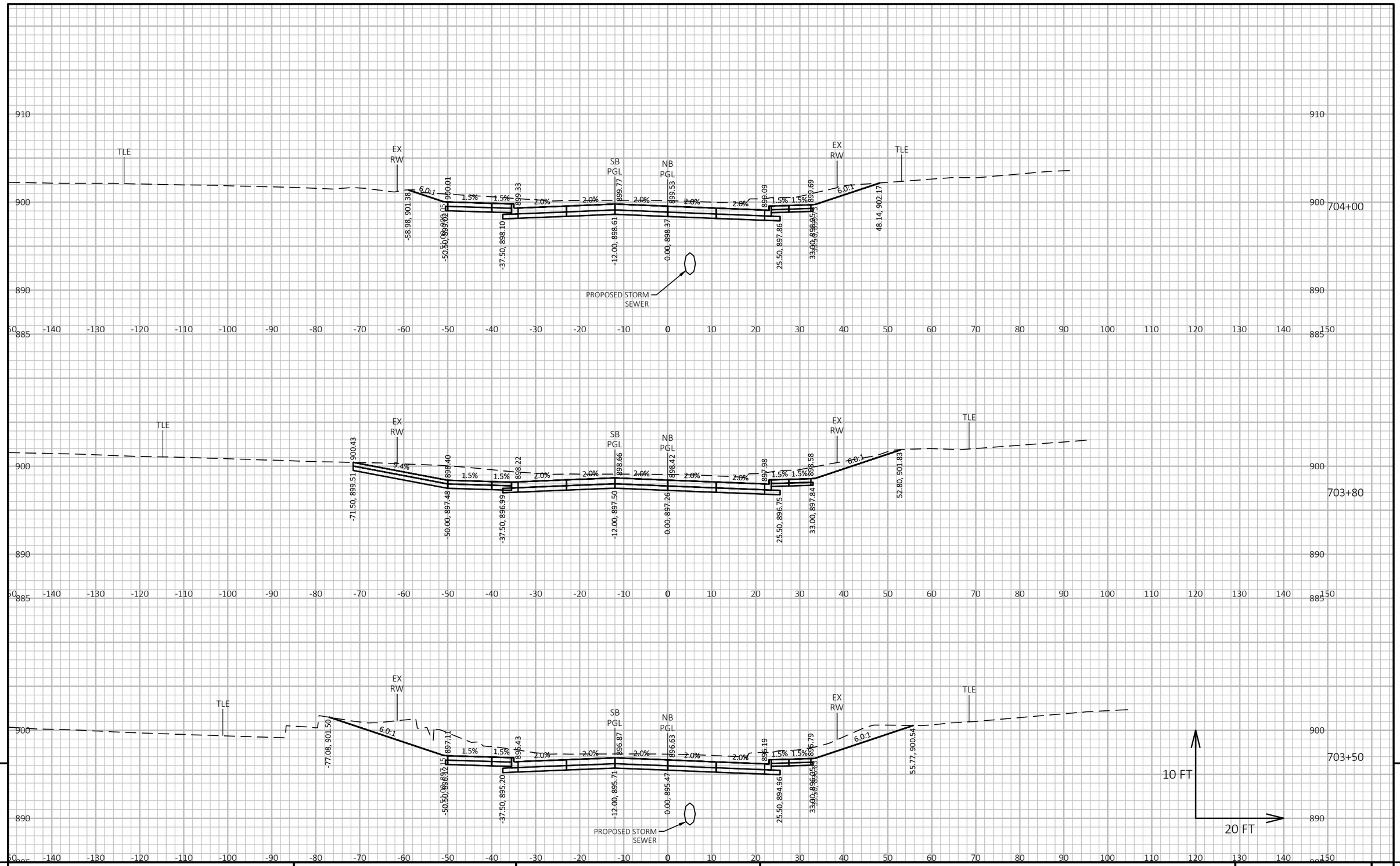
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PROJECT NO: 6145-01-74	HWY: USH 12	COUNTY: SAUK	CROSS SECTIONS	SHEET 1265	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-74\090201_XS.DWG
LAYOUT NAME - 090202_xs

PLOT DATE : 6/19/2025 10:57 AM PLOT BY : BARRETT, WILL PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

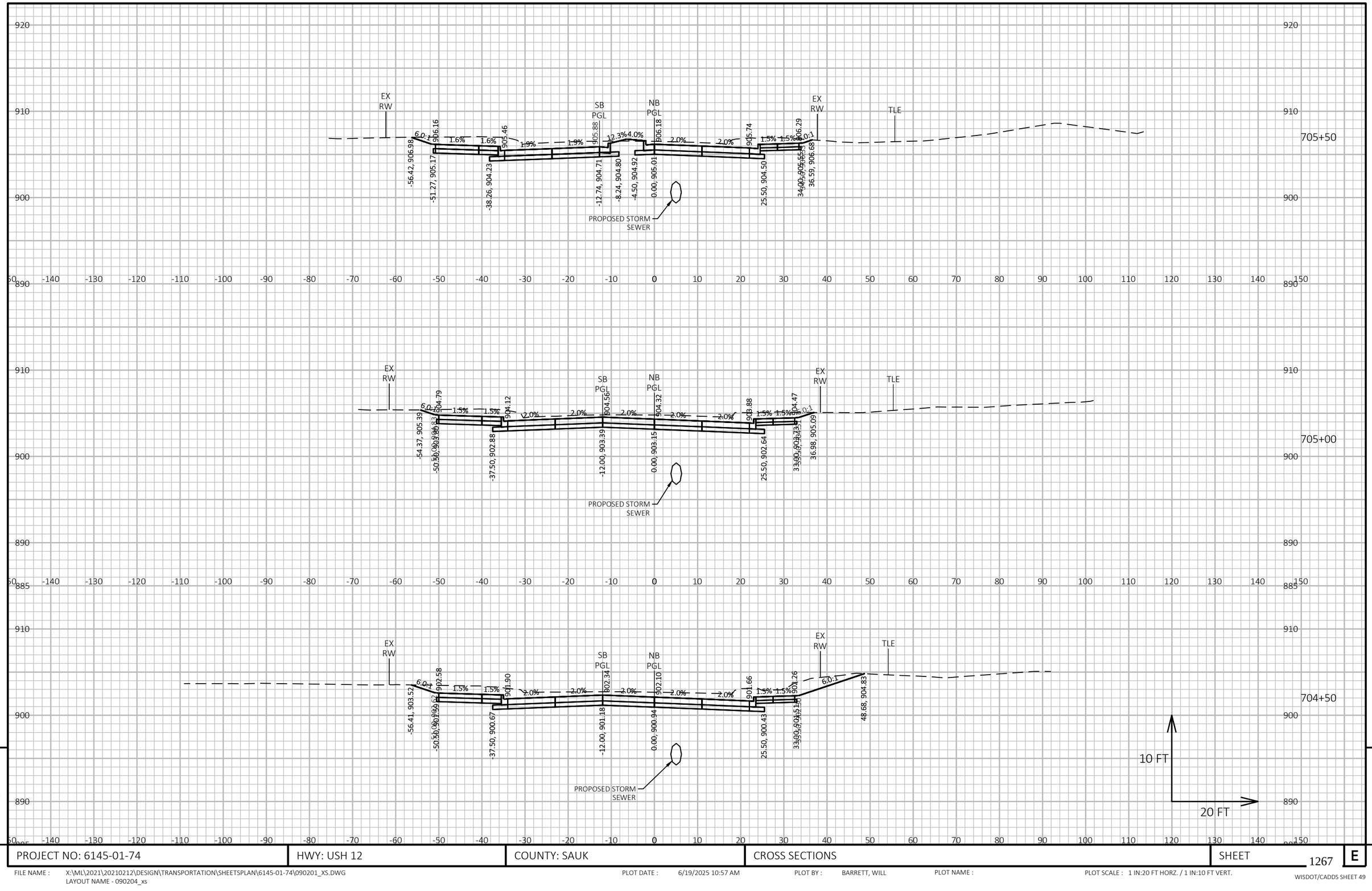


PROJECT NO: 6145-01-74	HWY: USH 12	COUNTY: SAUK	CROSS SECTIONS	SHEET 1266 E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-74\090201_XS.DWG
LAYOUT NAME - 090203_xs

PLOT DATE : 6/19/2025 10:57 AM PLOT BY : BARRETT, WILL PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 6145-01-74	HWY: USH 12	COUNTY: SAUK	CROSS SECTIONS	SHEET 1267	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-74\090201_XS.DWG
LAYOUT NAME - 090204_xs

PLOT DATE : 6/19/2025 10:57 AM PLOT BY : BARRETT, WILL PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

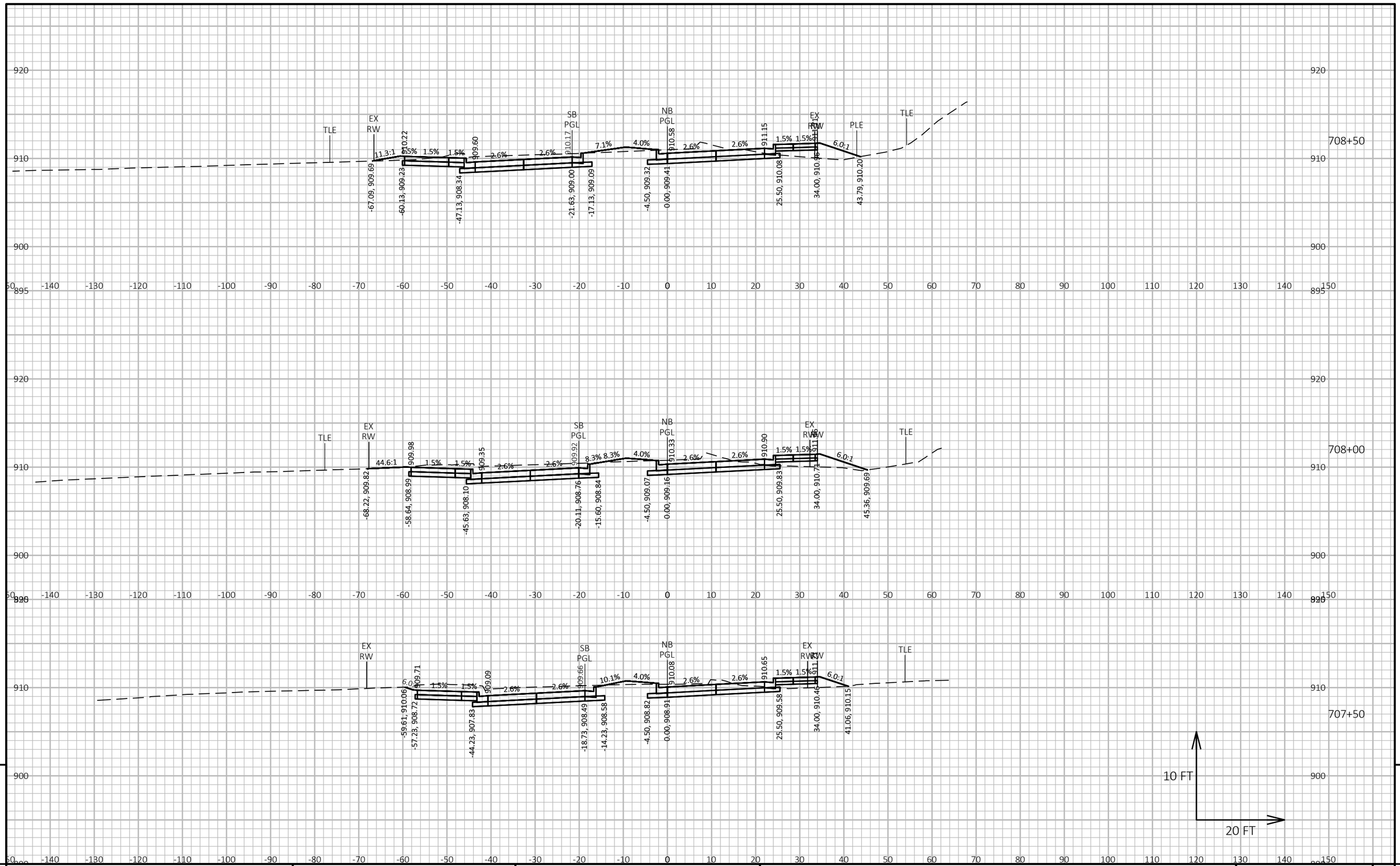
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PROJECT NO: 6145-01-74	HWY: USH 12	COUNTY: SAUK	CROSS SECTIONS	SHEET 1268	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-74\090201_XS.DWG
LAYOUT NAME - 090205_xs

PLOT DATE : 6/19/2025 10:57 AM PLOT BY : BARRETT, WILL PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

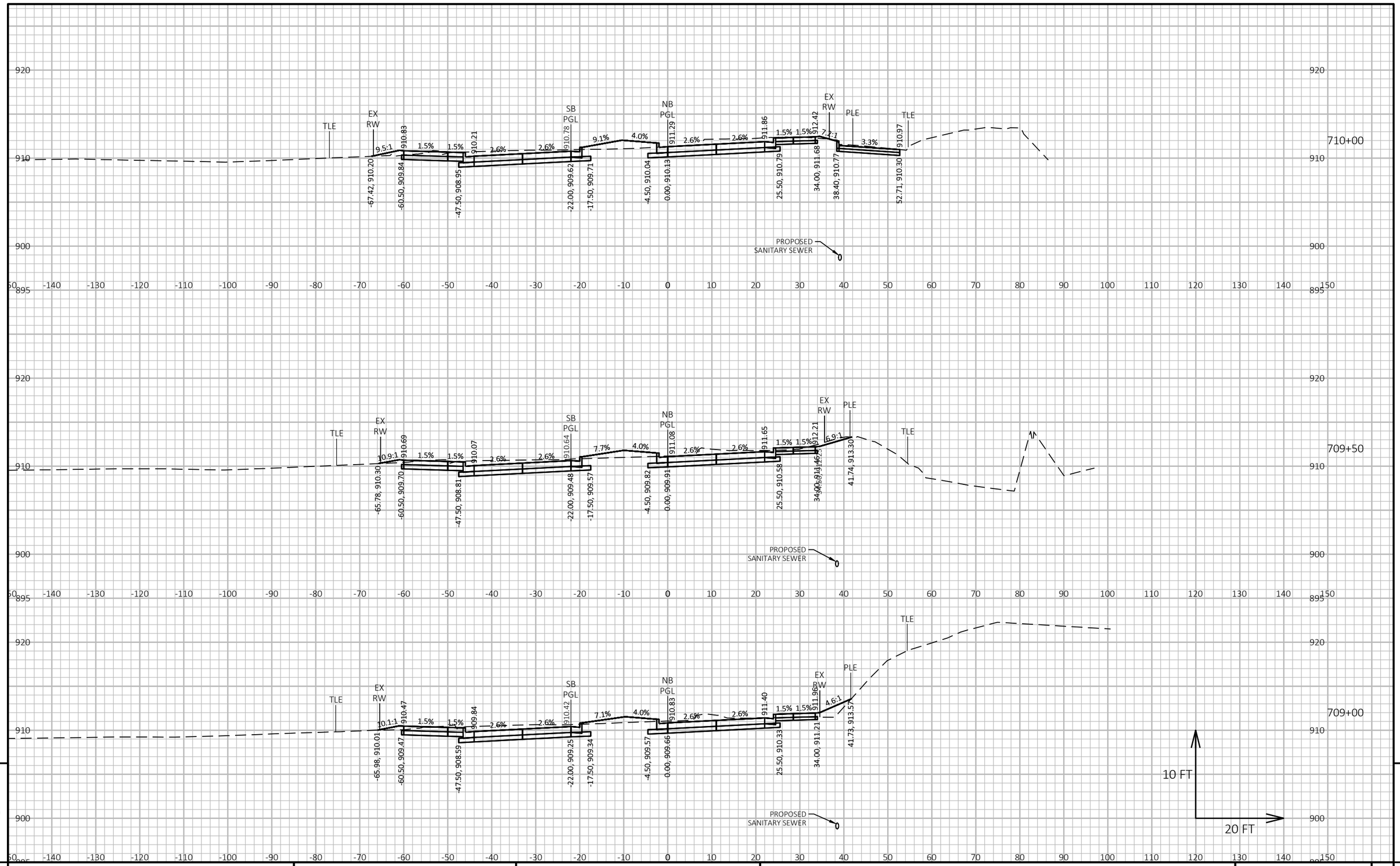


PROJECT NO: 6145-01-74	HWY: USH 12	COUNTY: SAUK	CROSS SECTIONS	SHEET 1269	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-74\090201_XS.DWG
LAYOUT NAME - 090206_xs

PLOT DATE : 6/19/2025 10:57 AM PLOT BY : BARRETT, WILL PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

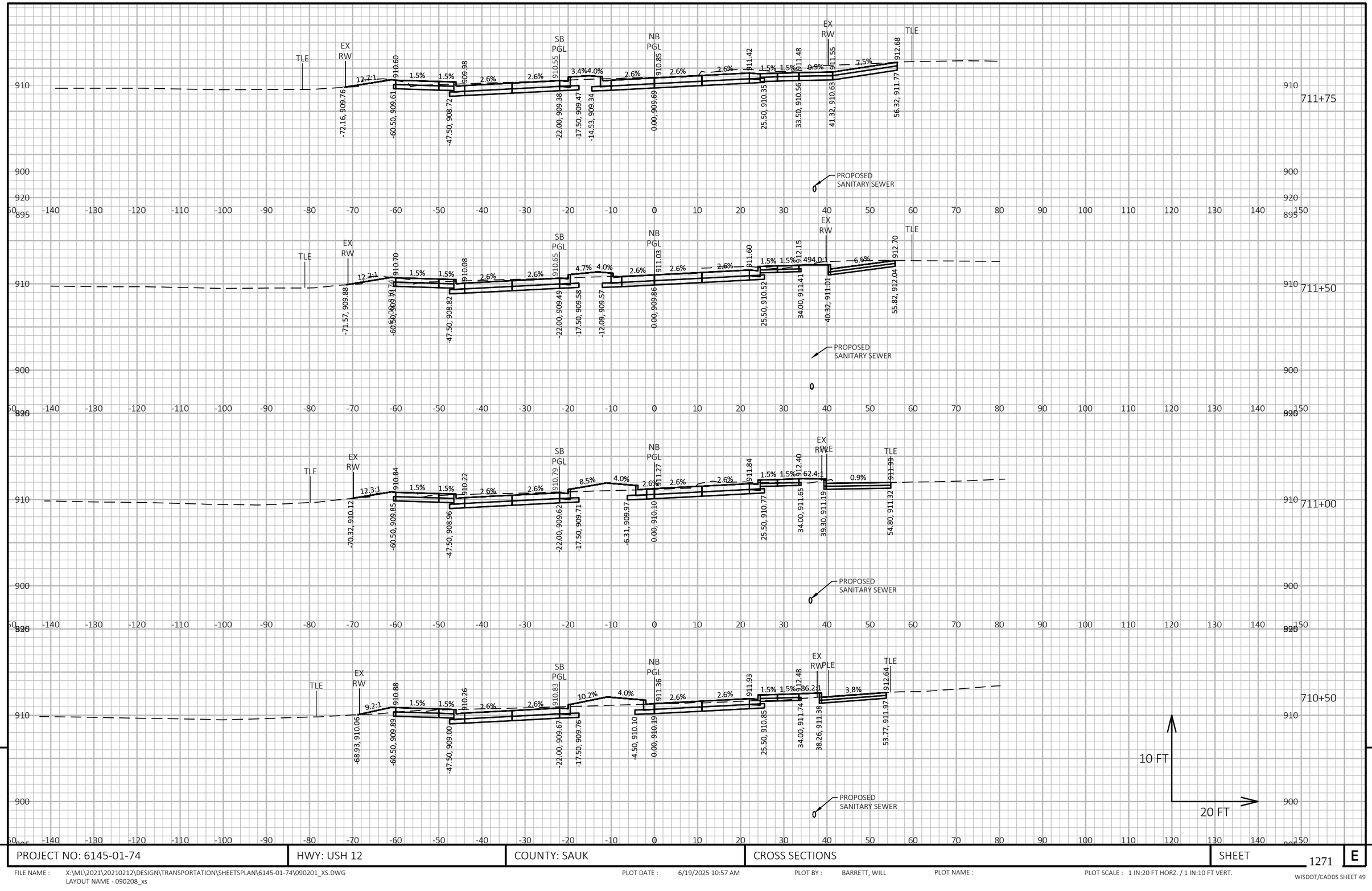
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PROJECT NO: 6145-01-74	HWY: USH 12	COUNTY: SAUK	CROSS SECTIONS	SHEET 1270	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-74\090201_XS.DWG
LAYOUT NAME - 090207_xs

PLOT DATE : 6/19/2025 10:57 AM PLOT BY : BARRETT, WILL PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

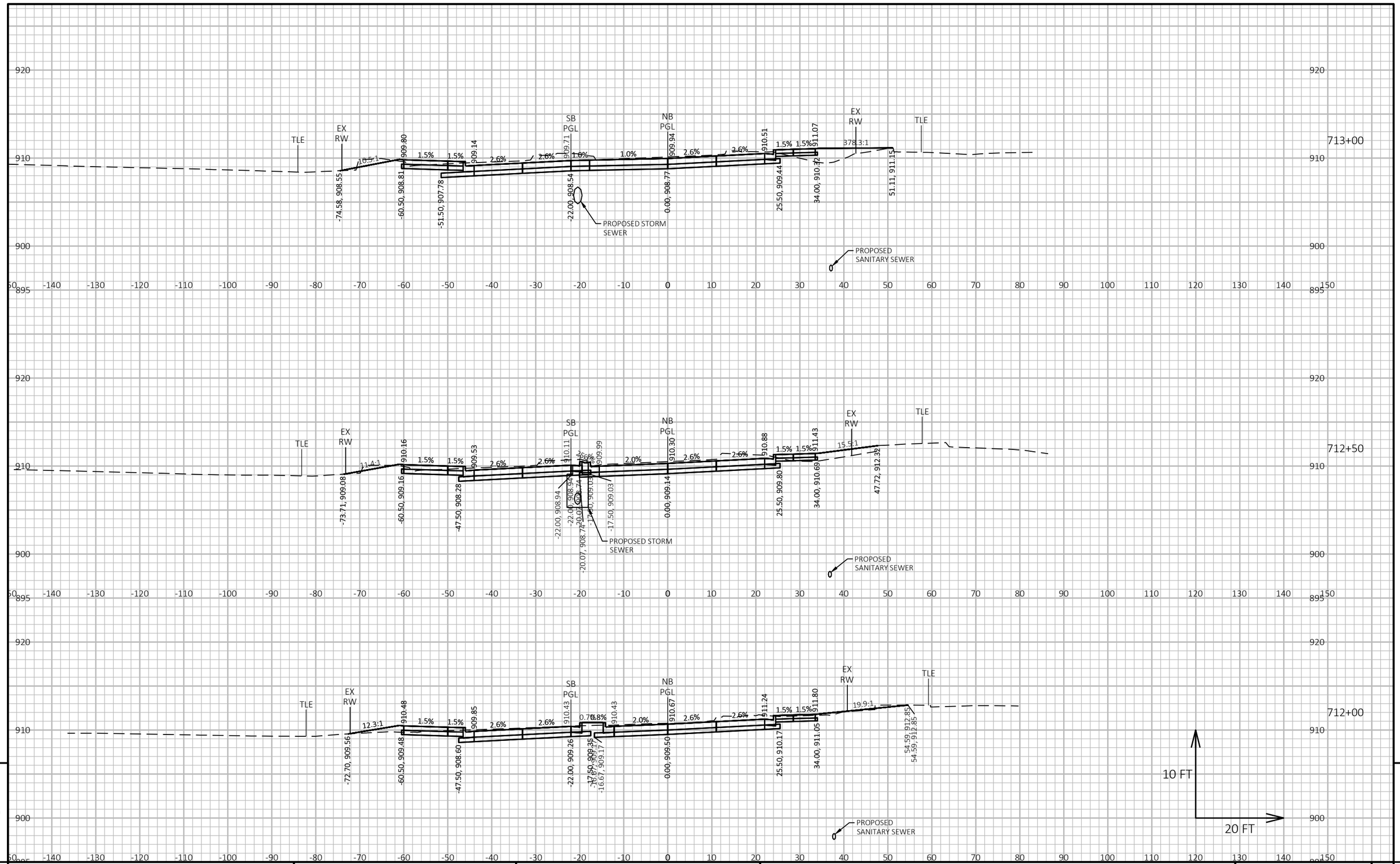
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PROJECT NO: 6145-01-74	HWY: USH 12	COUNTY: SAUK	CROSS SECTIONS	SHEET 1271	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-74\090201_XS.DWG
LAYOUT NAME - 090208_xs

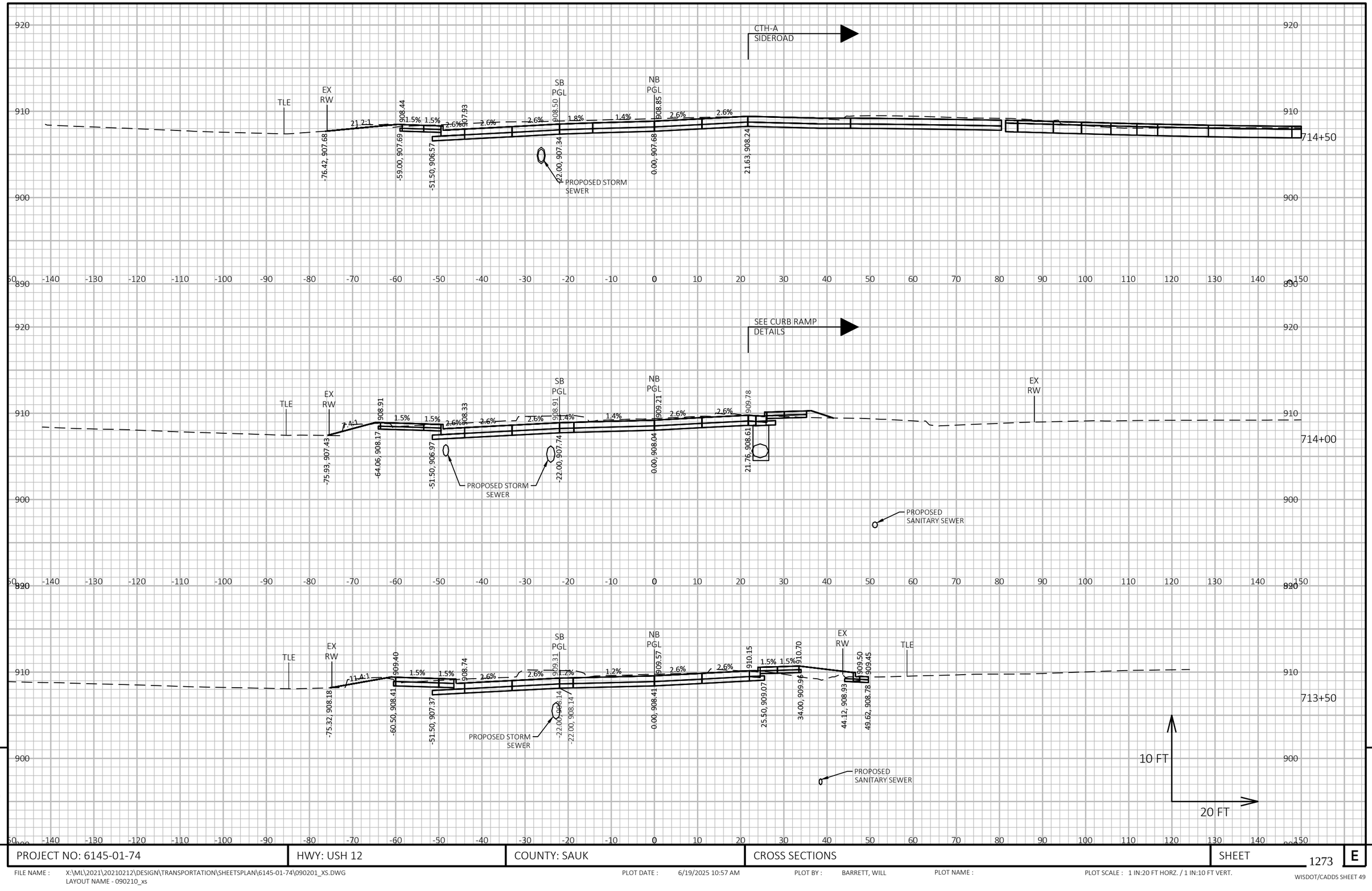
PLOT DATE : 6/19/2025 10:57 AM PLOT BY : BARRETT, WILL PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 6145-01-74	HWY: USH 12	COUNTY: SAUK	CROSS SECTIONS	SHEET 1272 E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-74\090201_XS.DWG
LAYOUT NAME - 090209_xs
PLOT DATE : 6/19/2025 10:57 AM
PLOT BY : BARRETT, WILL
PLOT NAME :
PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.
WISDOT/CADDS SHEET 49

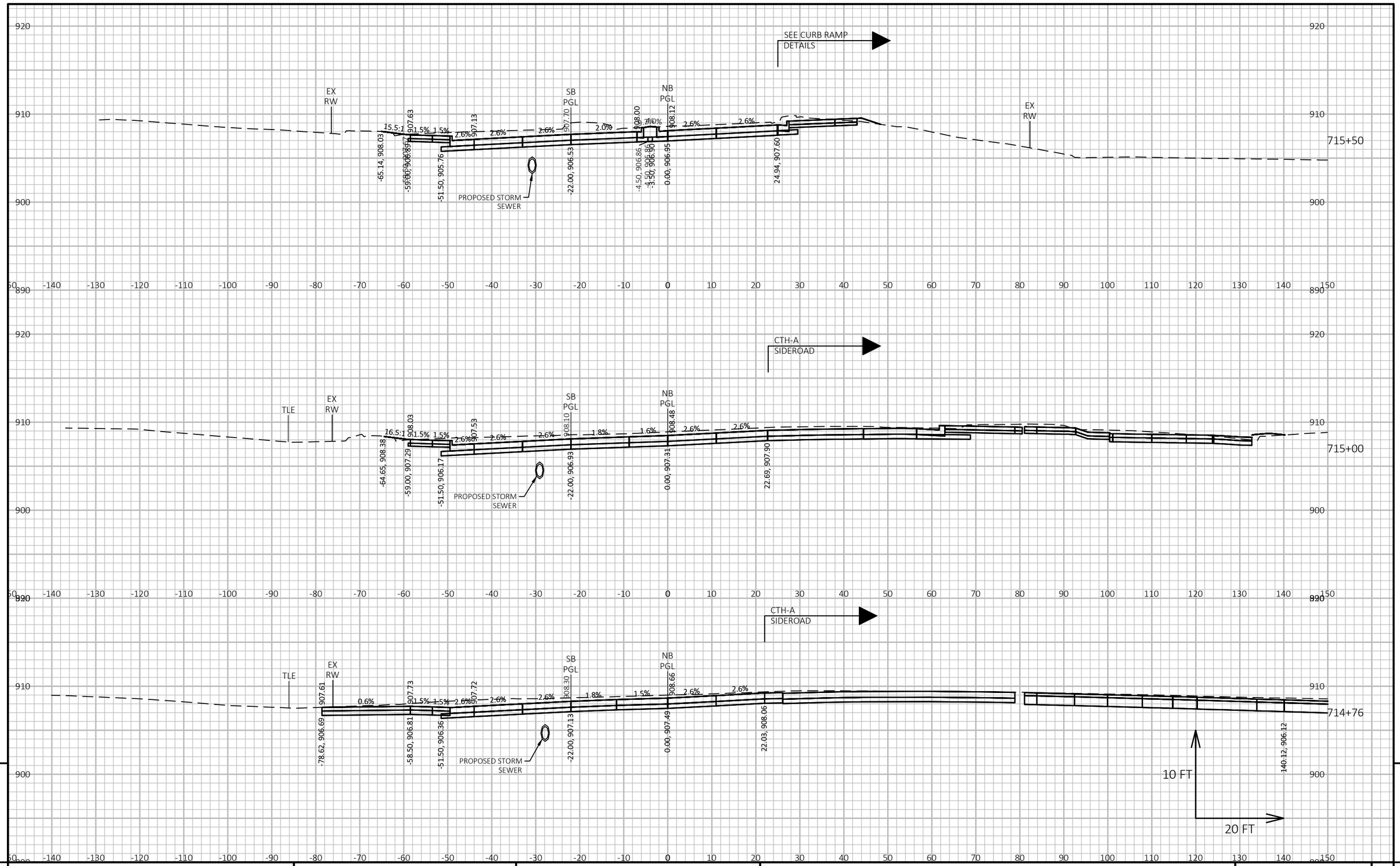


PROJECT NO: 6145-01-74	HWY: USH 12	COUNTY: SAUK	CROSS SECTIONS	SHEET 1273	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-74\090201_XS.DWG
LAYOUT NAME - 090210_xs

PLOT DATE : 6/19/2025 10:57 AM PLOT BY : BARRETT, WILL PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

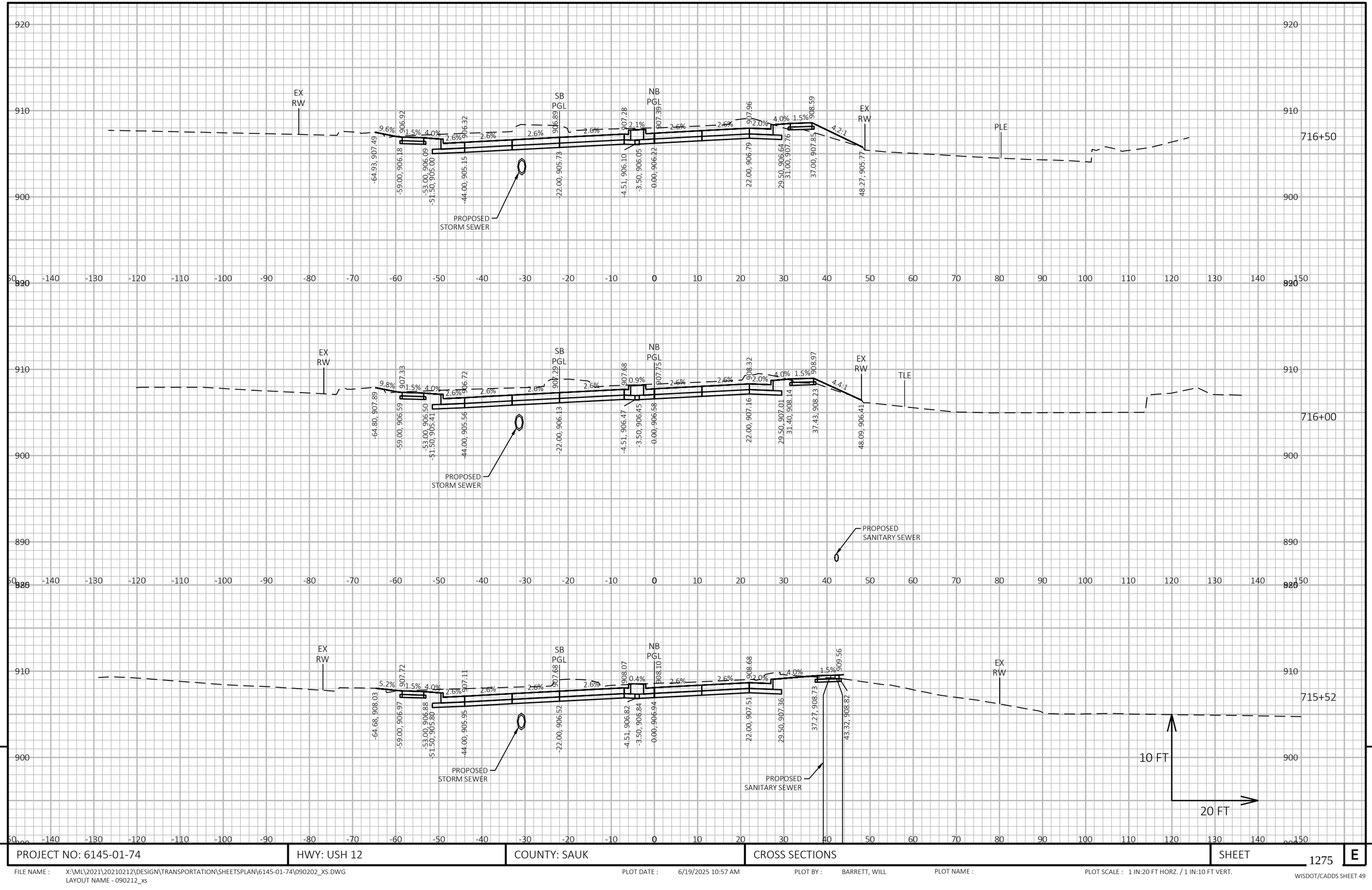
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PROJECT NO: 6145-01-74	HWY: USH 12	COUNTY: SAUK	CROSS SECTIONS	SHEET 1274	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-74\090201_XS.DWG
LAYOUT NAME - 090211_xs

PLOT DATE : 6/19/2025 10:57 AM PLOT BY : BARRETT, WILL PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

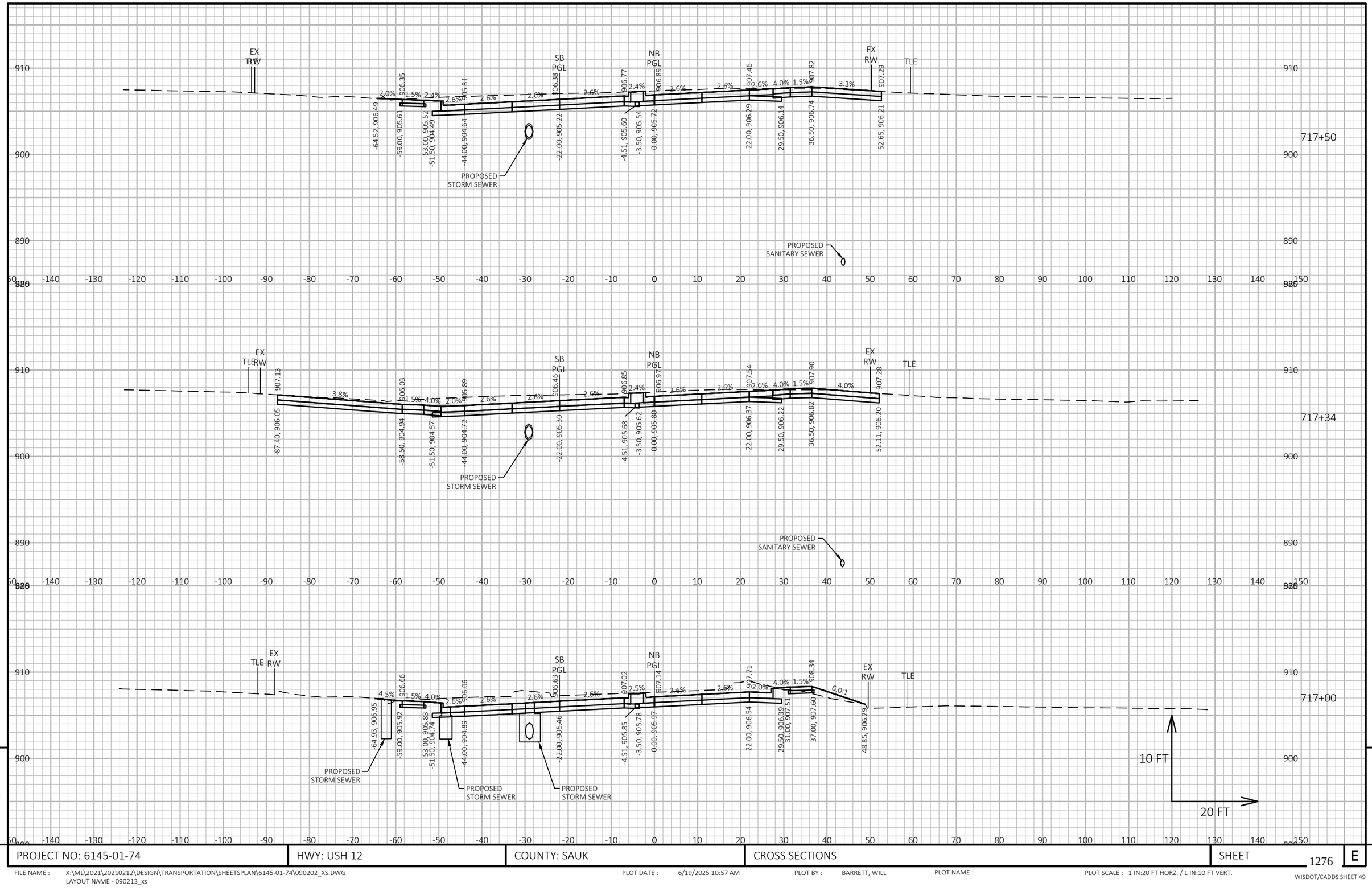


PROJECT NO: 6145-01-74	HWY: USH 12	COUNTY: SAUK	CROSS SECTIONS	SHEET 1275	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-74\090202_XS.DWG
LAYOUT NAME - 090212_xs

PLOT DATE : 6/19/2025 10:57 AM PLOT BY : BARRETT, WILL PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

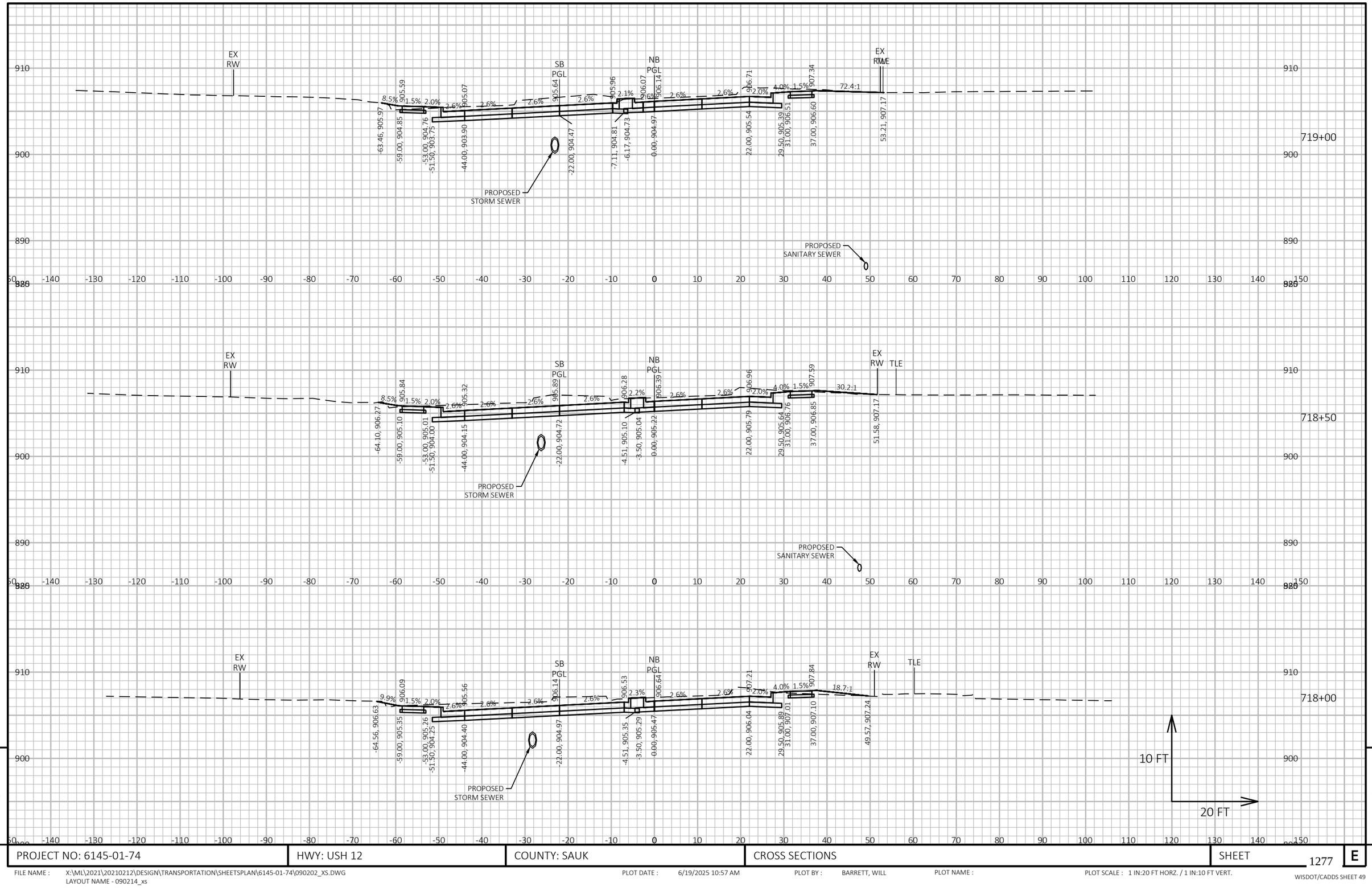
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PROJECT NO: 6145-01-74	HWY: USH 12	COUNTY: SAUK	CROSS SECTIONS	SHEET 1276	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-74\090202_XS.DWG
LAYOUT NAME - 090213_xs

PLOT DATE : 6/19/2025 10:57 AM PLOT BY : BARRETT, WILL PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

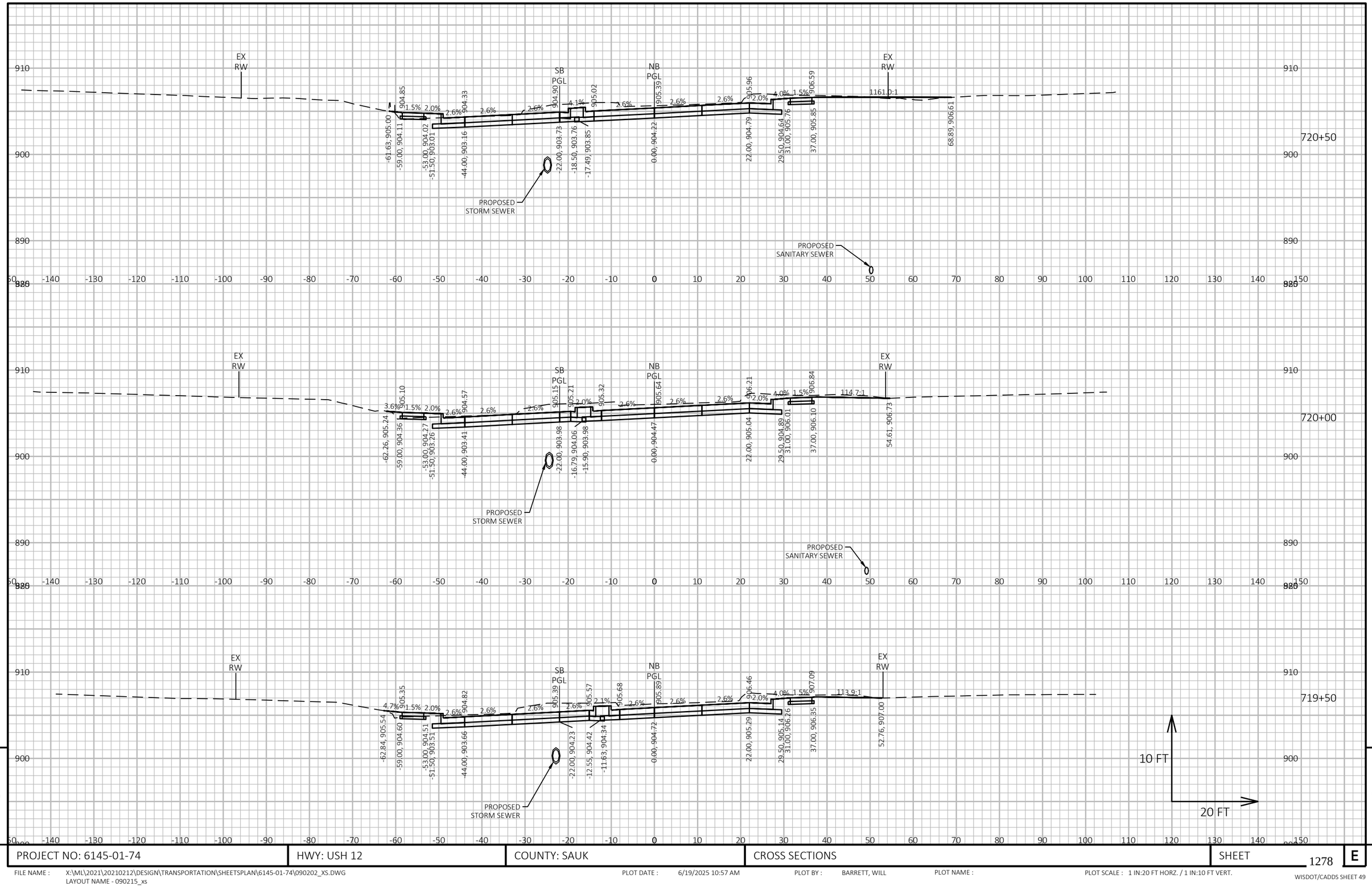
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PROJECT NO: 6145-01-74	HWY: USH 12	COUNTY: SAUK	CROSS SECTIONS	SHEET 1277	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-74\090202_XS.DWG
LAYOUT NAME - 090214_xs

PLOT DATE : 6/19/2025 10:57 AM PLOT BY : BARRETT, WILL PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

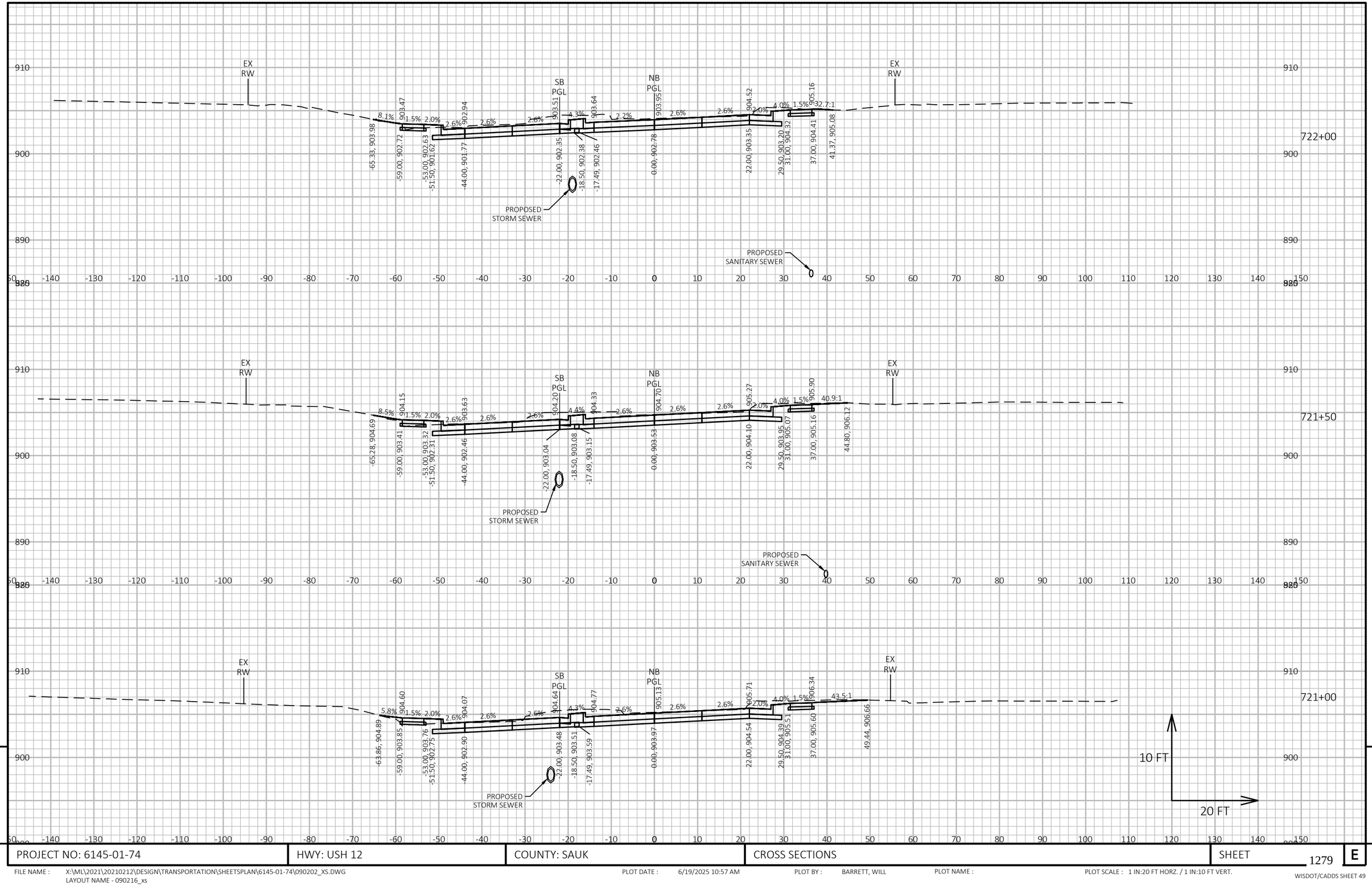


PROJECT NO: 6145-01-74	HWY: USH 12	COUNTY: SAUK	CROSS SECTIONS	SHEET 1278 E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-74\090202_XS.DWG
LAYOUT NAME - 090215_xs

PLOT DATE : 6/19/2025 10:57 AM PLOT BY : BARRETT, WILL PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

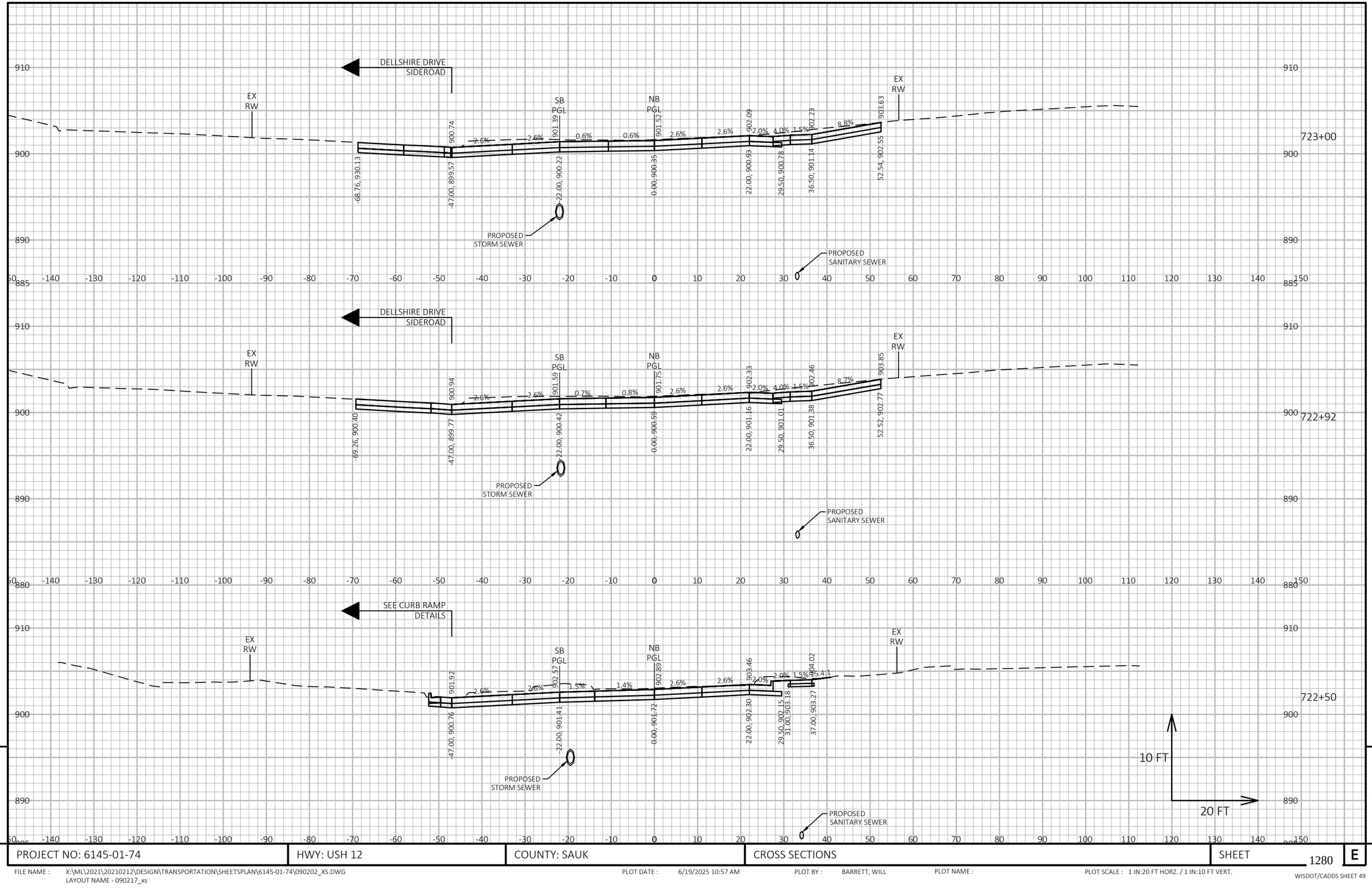
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PROJECT NO: 6145-01-74	HWY: USH 12	COUNTY: SAUK	CROSS SECTIONS	SHEET 1279	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-74\090202_XS.DWG
LAYOUT NAME - 090216_xs

PLOT DATE : 6/19/2025 10:57 AM PLOT BY : BARRETT, WILL PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

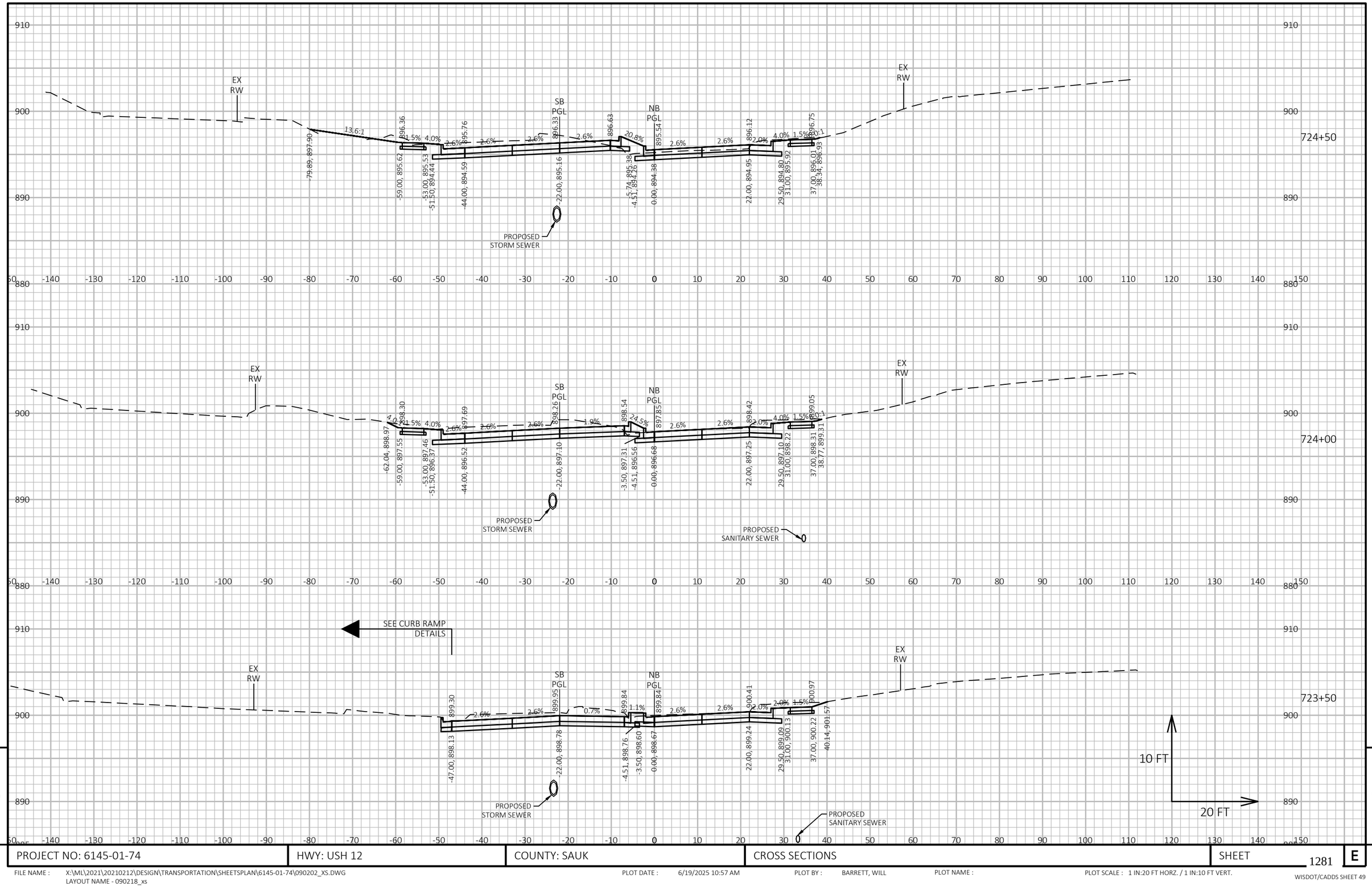
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PROJECT NO: 6145-01-74	HWY: USH 12	COUNTY: SAUK	CROSS SECTIONS	SHEET 1280	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-74\090202_XS.DWG
LAYOUT NAME - 090217_xs

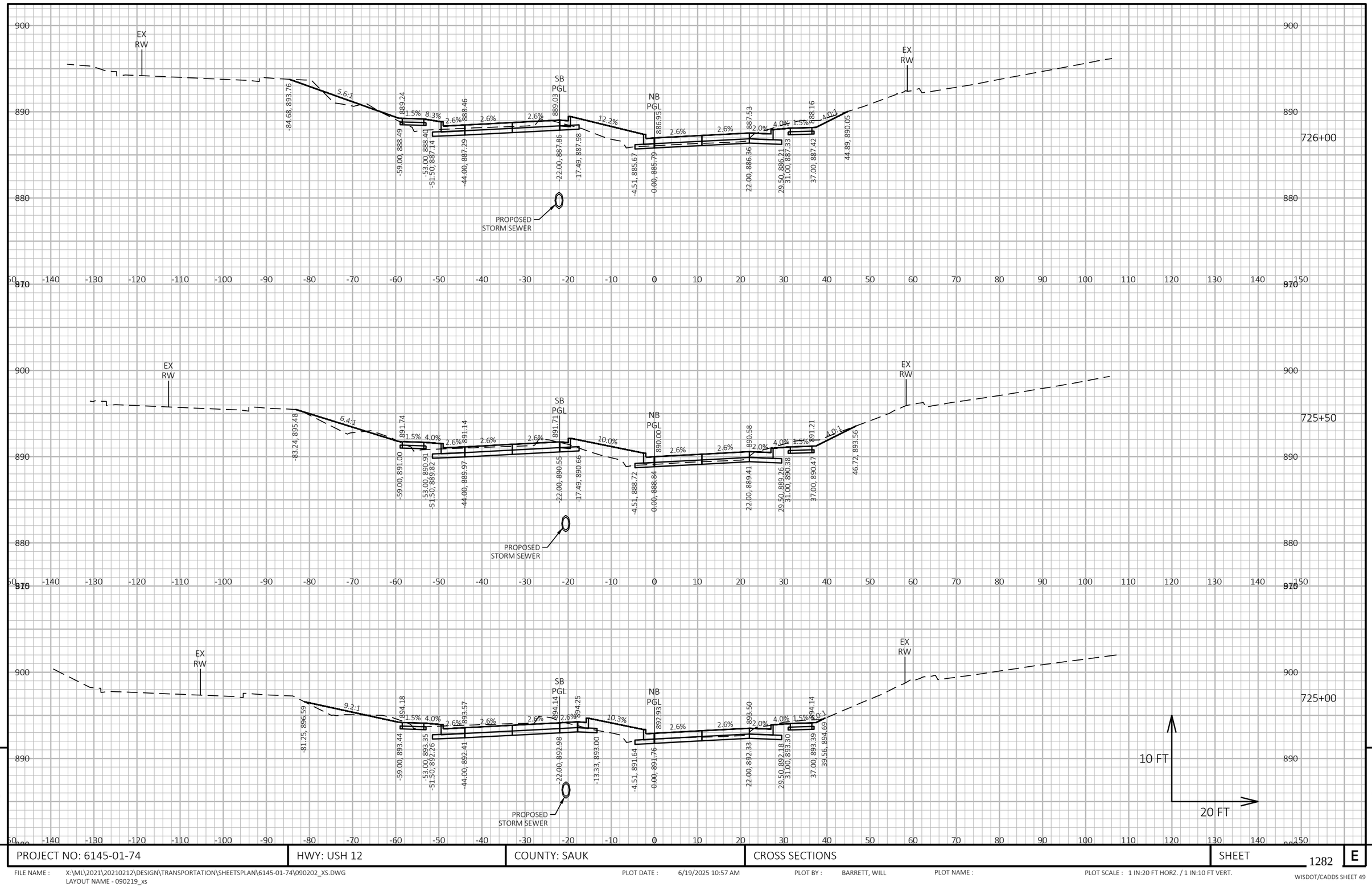
PLOT DATE : 6/19/2025 10:57 AM PLOT BY : BARRETT, WILL PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 6145-01-74	HWY: USH 12	COUNTY: SAUK	CROSS SECTIONS	SHEET 1281	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-74\090202_XS.DWG
LAYOUT NAME - 090218_xs
PLOT DATE : 6/19/2025 10:57 AM
PLOT BY : BARRETT, WILL
PLOT NAME :
PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.
WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 6145-01-74	HWY: USH 12	COUNTY: SAUK	CROSS SECTIONS	SHEET 1282	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-74\090202_XS.DWG
LAYOUT NAME - 090219_xs

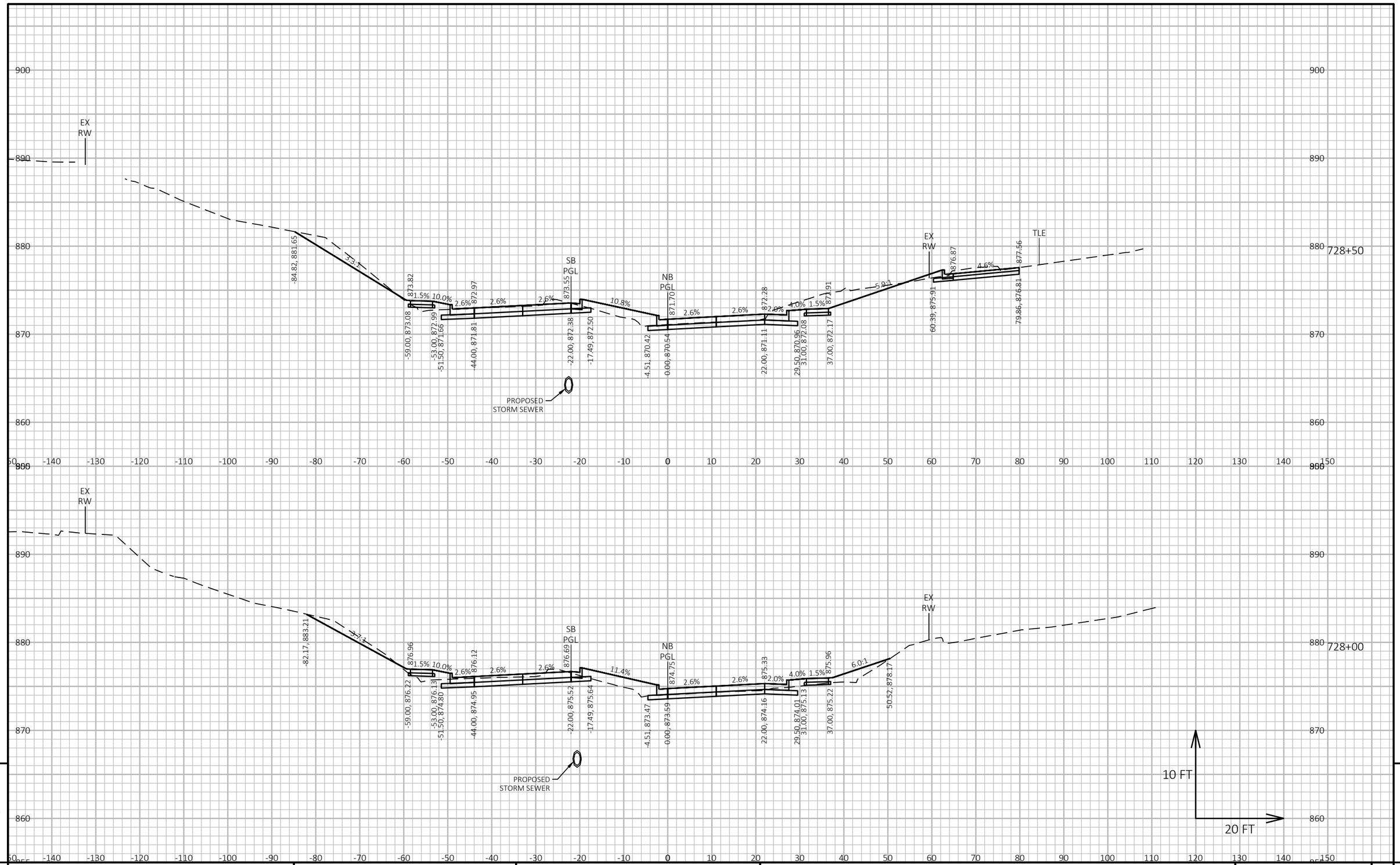
PLOT DATE : 6/19/2025 10:57 AM PLOT BY : BARRETT, WILL PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

PROJECT NO: 6145-01-74	HWY: USH 12	COUNTY: SAUK	CROSS SECTIONS	SHEET 1283	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-74\090202_XS.DWG
LAYOUT NAME - 090220_xs

PLOT DATE : 6/19/2025 10:57 AM PLOT BY : BARRETT, WILL PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

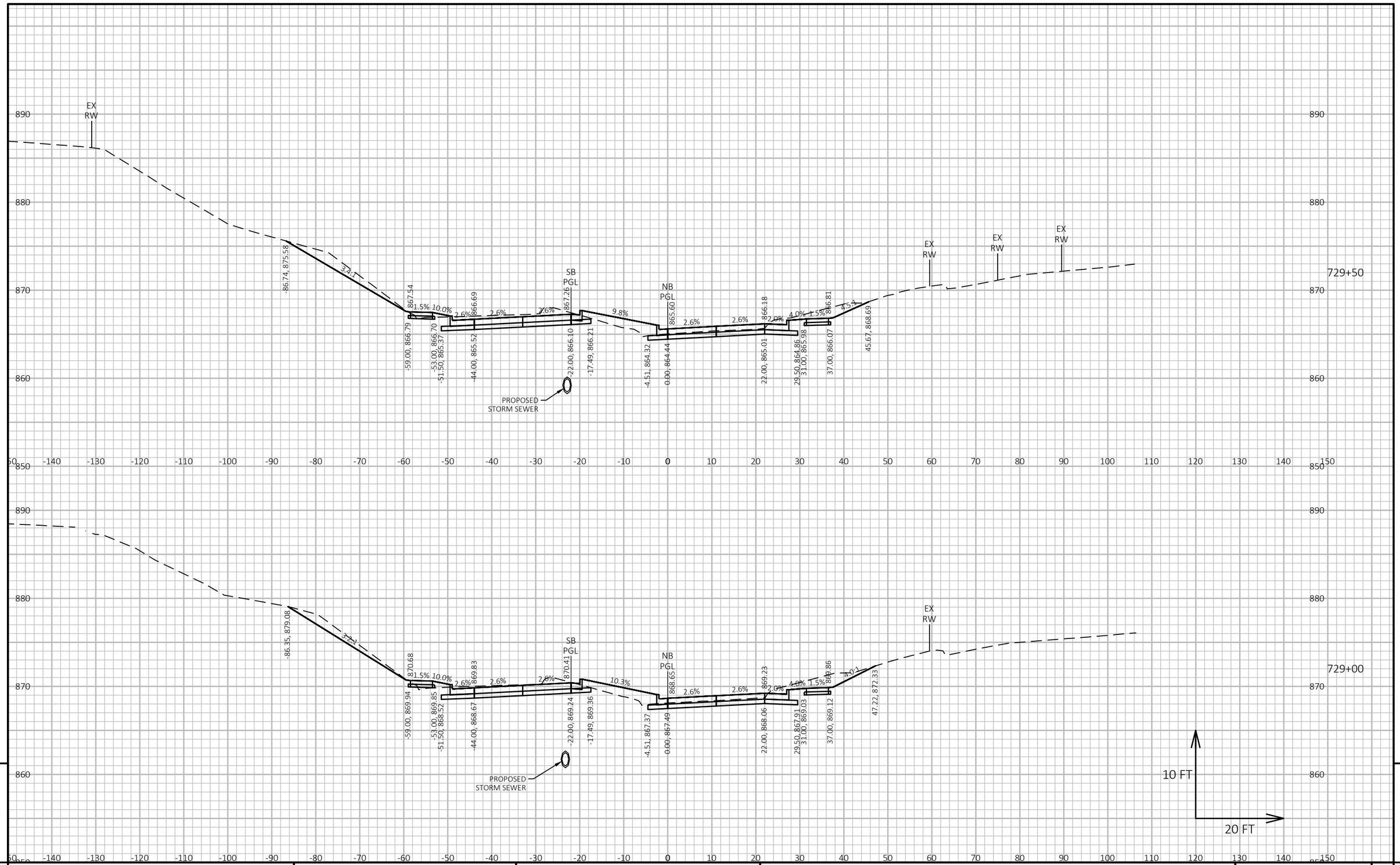


PROJECT NO: 6145-01-74	HWY: USH 12	COUNTY: SAUK	CROSS SECTIONS	SHEET 1284	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-74\090202_XS.DWG
LAYOUT NAME - 090221_xs

PLOT DATE : 6/19/2025 10:57 AM PLOT BY : BARRETT, WILL PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

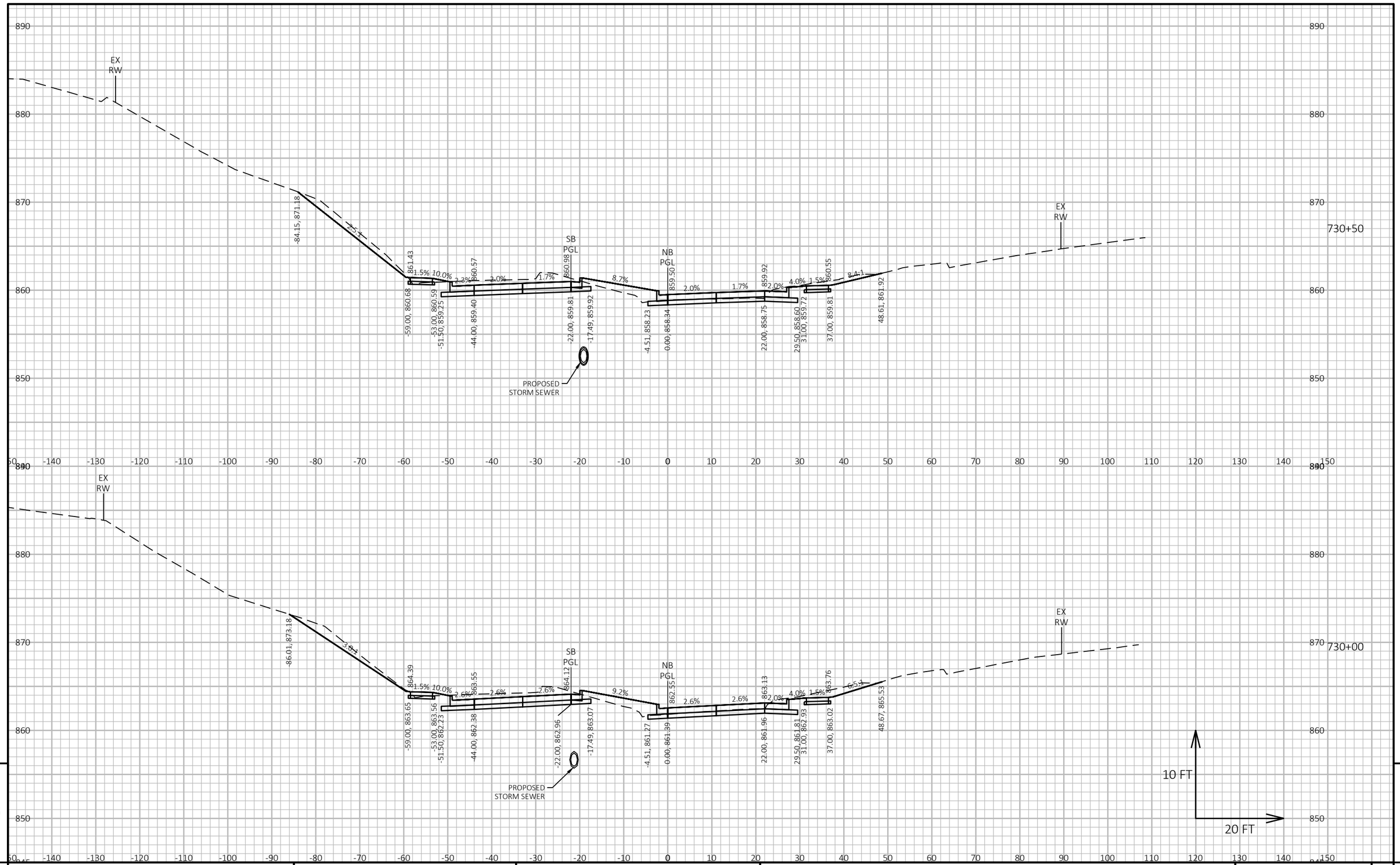


PROJECT NO: 6145-01-74	HWY: USH 12	COUNTY: SAUK	CROSS SECTIONS	SHEET 1285	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-74\090202_XS.DWG
LAYOUT NAME - 090222_xs

PLOT DATE : 6/19/2025 10:57 AM PLOT BY : BARRETT, WILL PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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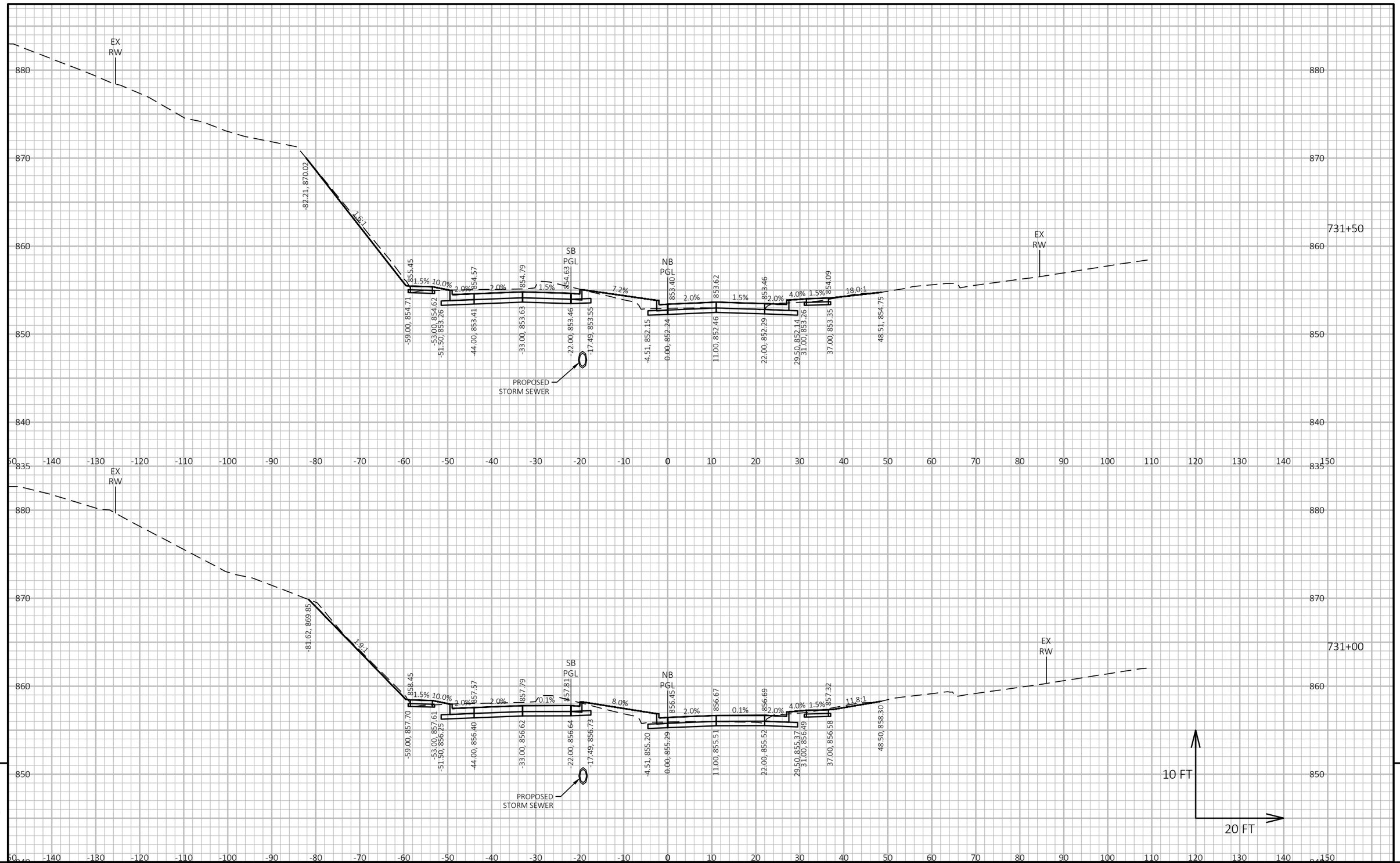
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PROJECT NO: 6145-01-74	HWY: USH 12	COUNTY: SAUK	CROSS SECTIONS	SHEET 1286	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-74\090202_XS.DWG
LAYOUT NAME - 090223_xs

PLOT DATE : 6/19/2025 10:58 AM PLOT BY : BARRETT, WILL PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



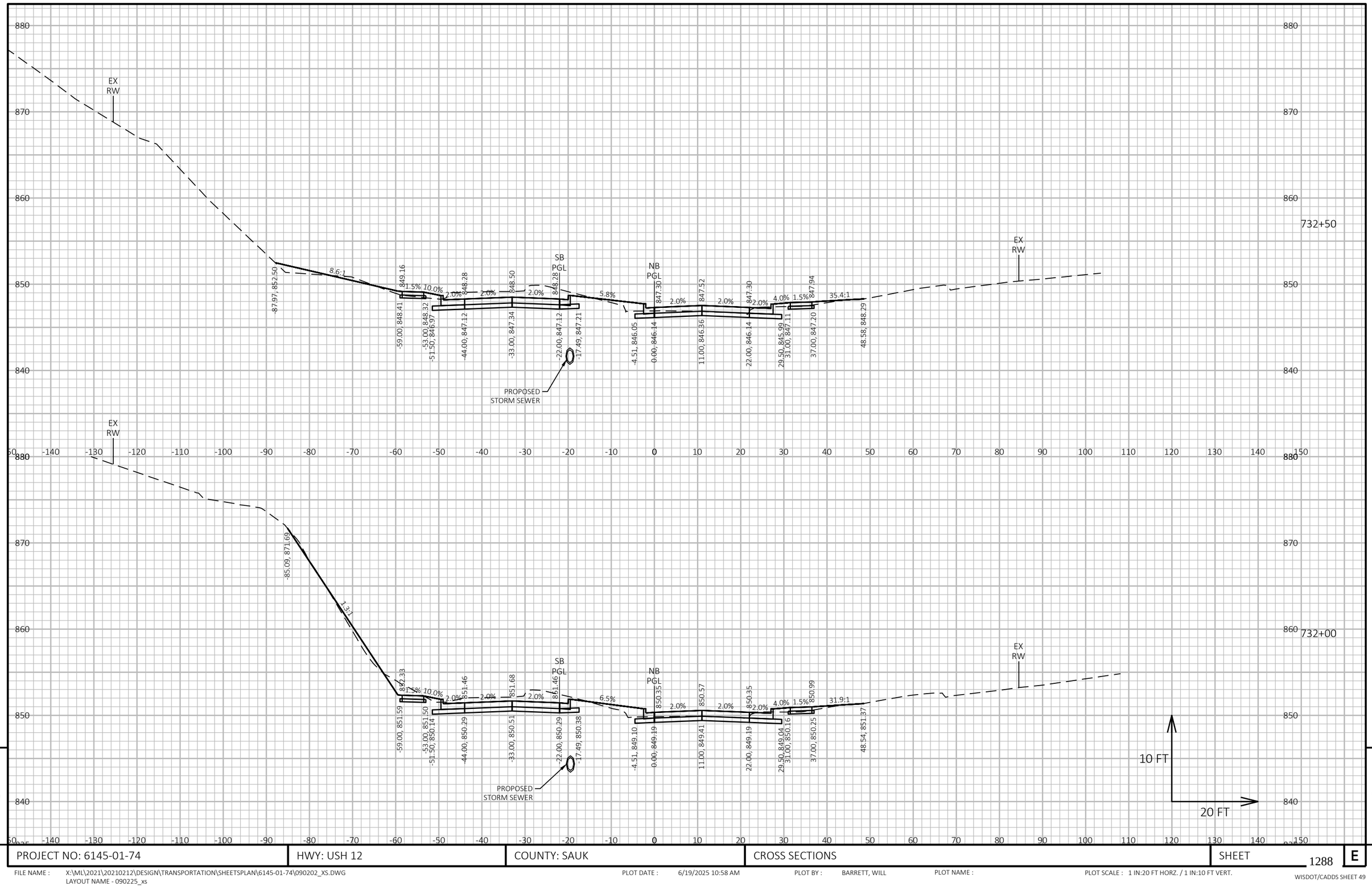
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PROJECT NO: 6145-01-74	HWY: USH 12	COUNTY: SAUK	CROSS SECTIONS	SHEET 1287	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-74\090202_XS.DWG
LAYOUT NAME - 090224_xs

PLOT DATE : 6/19/2025 10:58 AM PLOT BY : BARRETT, WILL PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

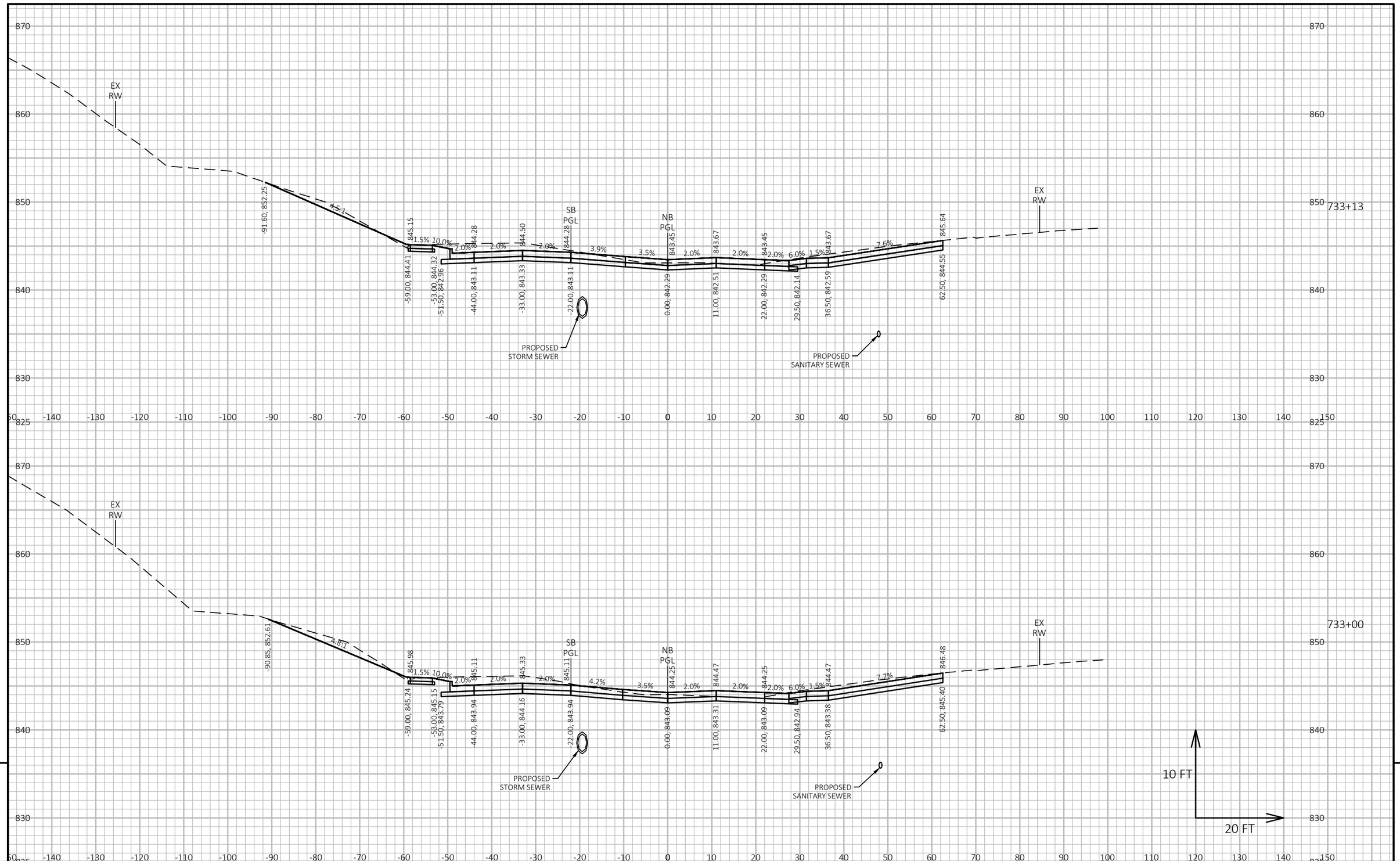


PROJECT NO: 6145-01-74	HWY: USH 12	COUNTY: SAUK	CROSS SECTIONS	SHEET 1288	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-74\090202_XS.DWG
LAYOUT NAME - 090225_xs

PLOT DATE : 6/19/2025 10:58 AM PLOT BY : BARRETT, WILL PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

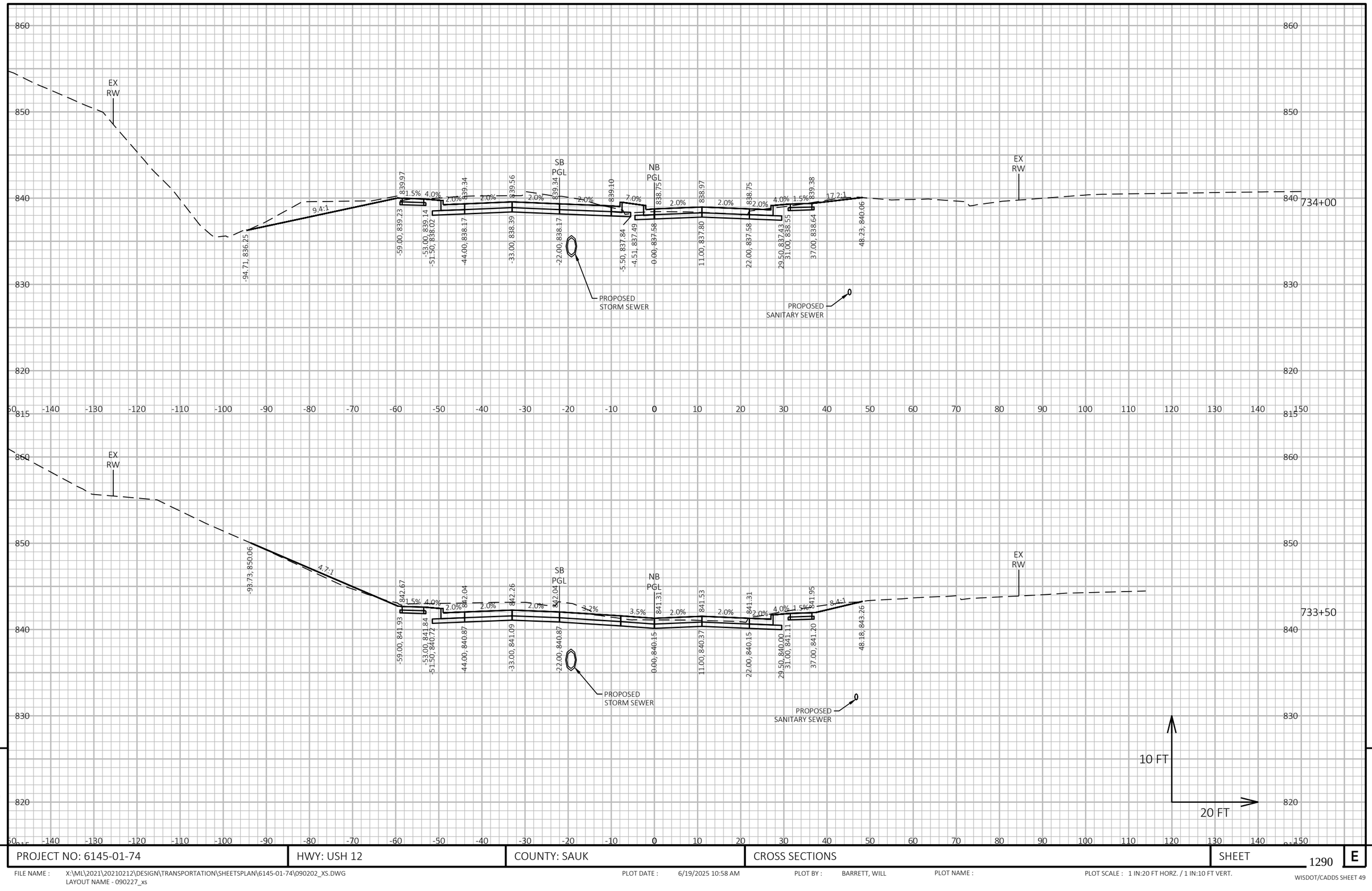
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PROJECT NO: 6145-01-74	HWY: USH 12	COUNTY: SAUK	CROSS SECTIONS	SHEET 1289	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-74\090202_XS.DWG
LAYOUT NAME - 090226_xs

PLOT DATE : 6/19/2025 10:58 AM PLOT BY : BARRETT, WILL PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

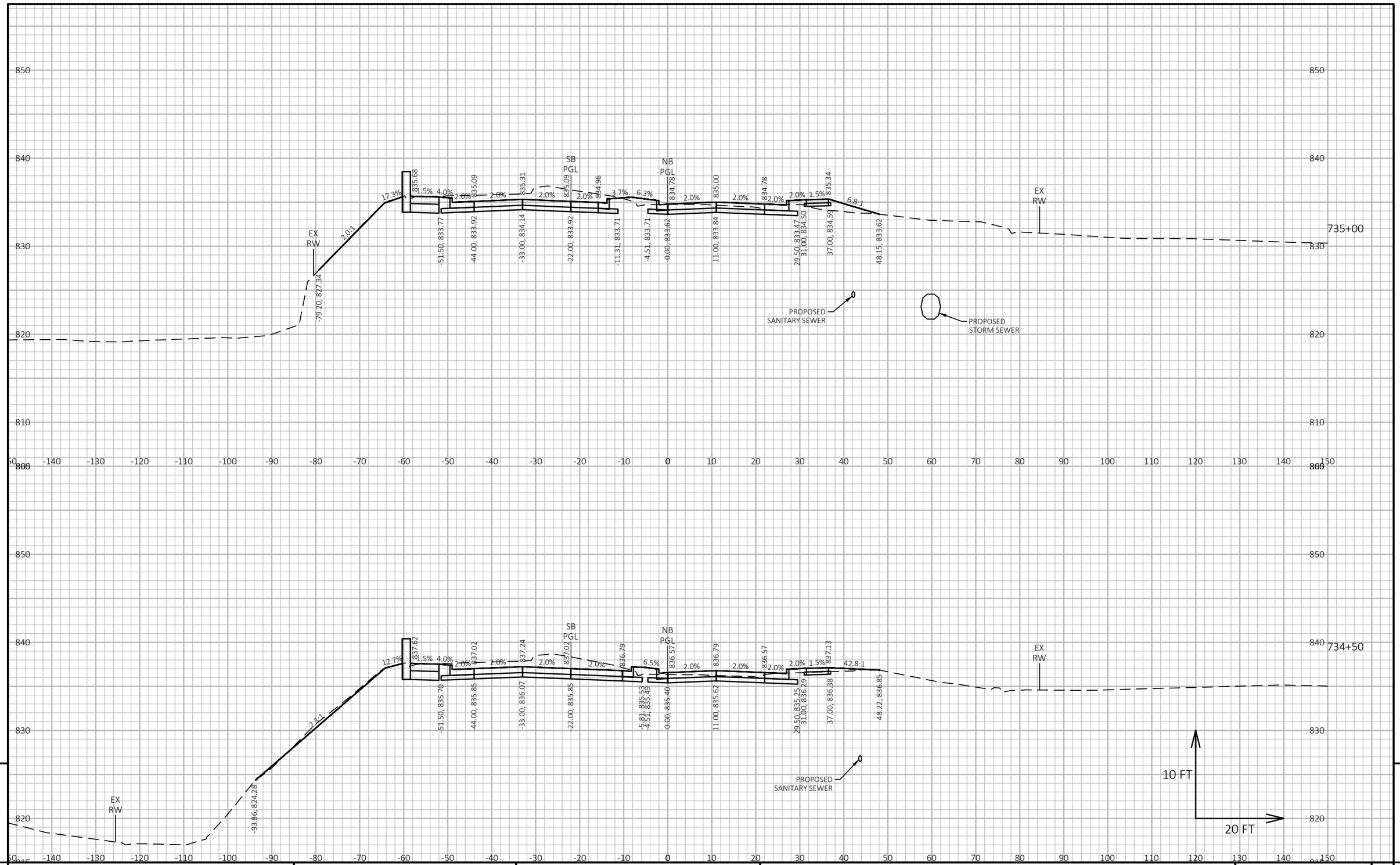
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PROJECT NO: 6145-01-74	HWY: USH 12	COUNTY: SAUK	CROSS SECTIONS	SHEET 1290	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-74\090202_XS.DWG
LAYOUT NAME - 090227_xs

PLOT DATE : 6/19/2025 10:58 AM PLOT BY : BARRETT, WILL PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

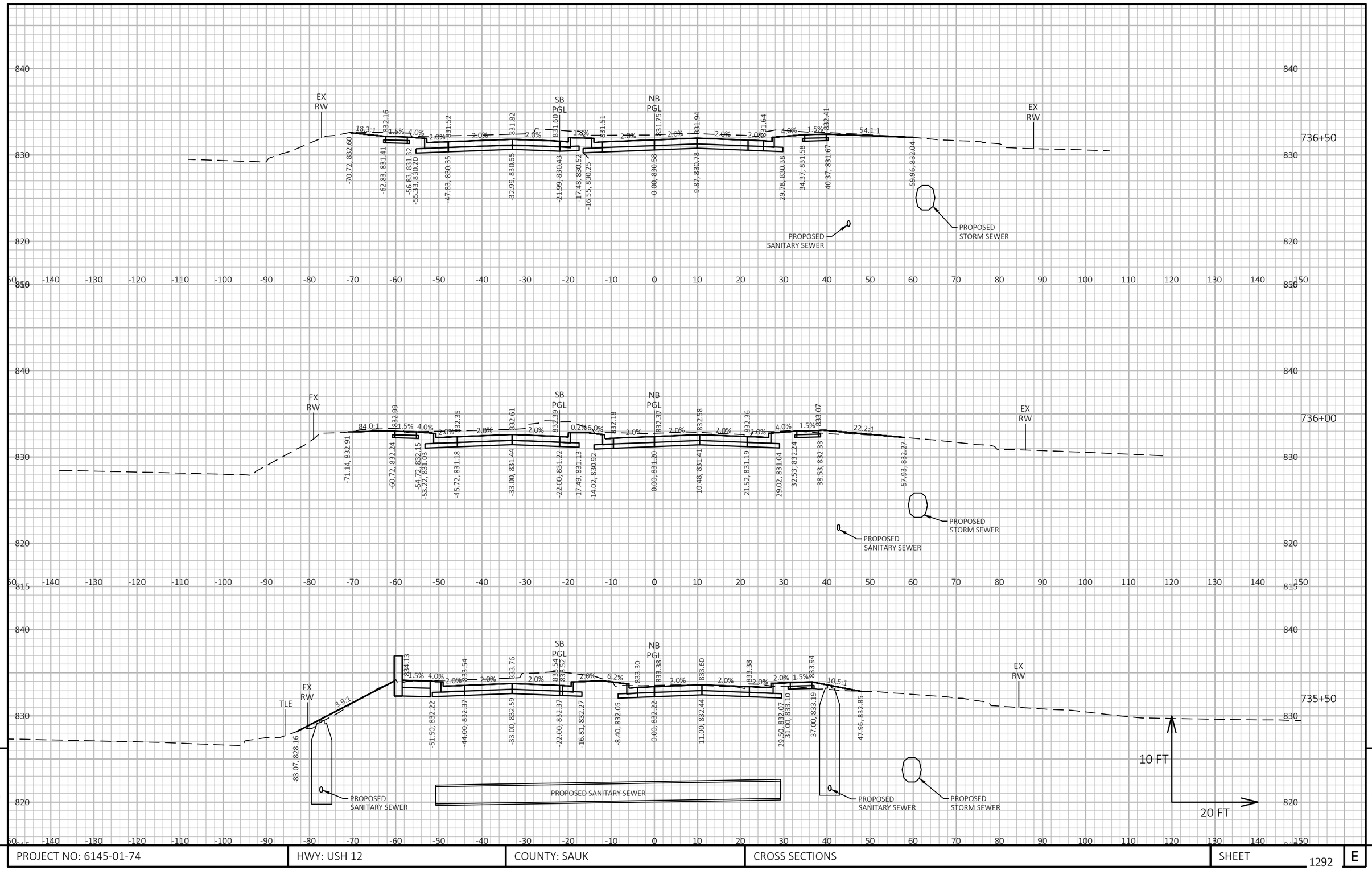


PROJECT NO: 6145-01-74	HWY: USH 12	COUNTY: SAUK	CROSS SECTIONS	SHEET 1291	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-74\090202_XS.DWG
LAYOUT NAME - 090228_xs

PLOT DATE : 9/16/2025 1:35 PM PLOT BY : BARRETT, WILL PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

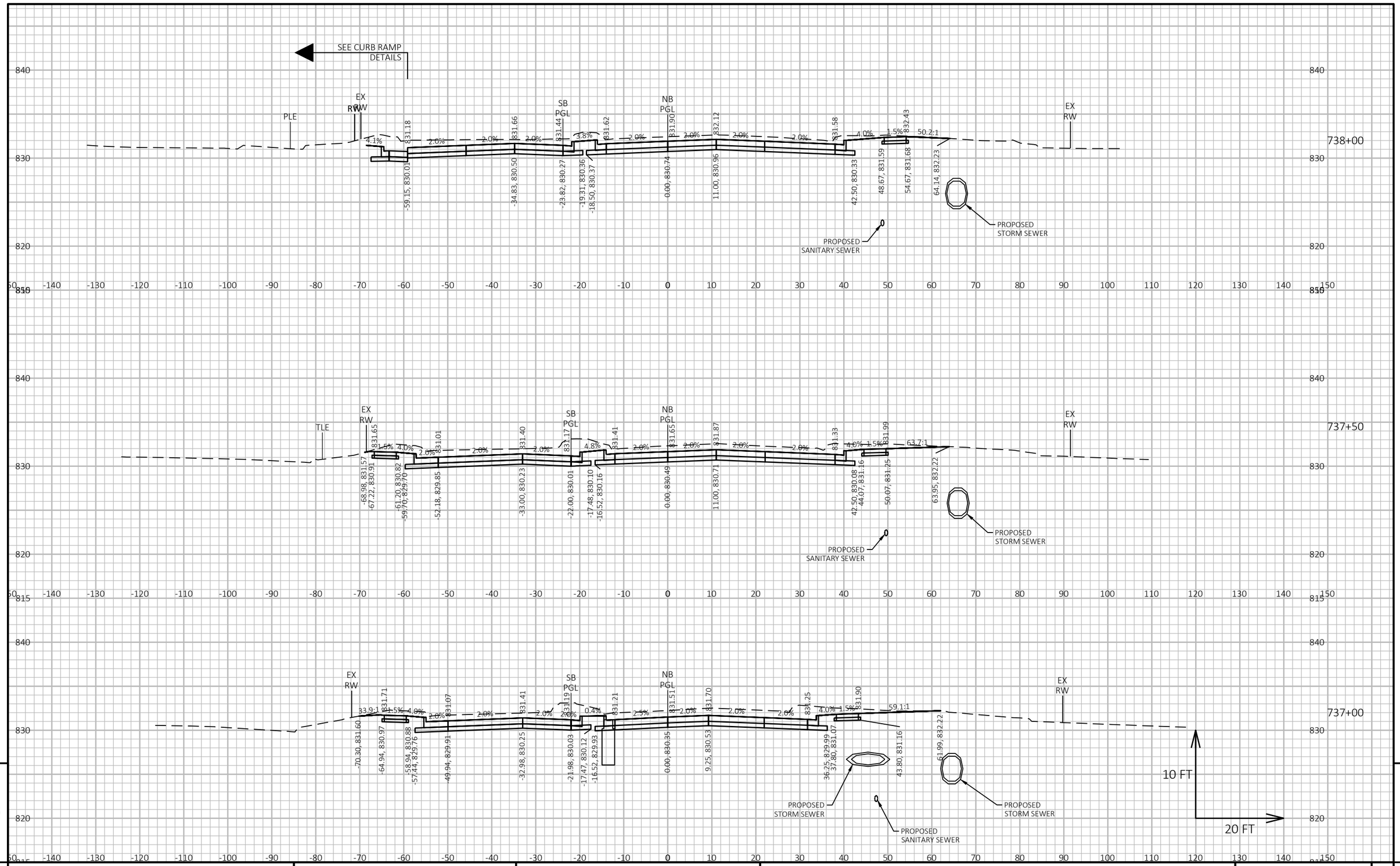


PROJECT NO: 6145-01-74	HWY: USH 12	COUNTY: SAUK	CROSS SECTIONS	SHEET 1292	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-74\090202_XS.DWG
LAYOUT NAME - 090229_xs

PLOT DATE : 6/19/2025 10:58 AM PLOT BY : BARRETT, WILL PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 6145-01-74	HWY: USH 12	COUNTY: SAUK	CROSS SECTIONS	SHEET 1293	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-74\090202_XS.DWG
LAYOUT NAME - 090230_xs

PLOT DATE : 6/19/2025 10:58 AM PLOT BY : BARRETT, WILL PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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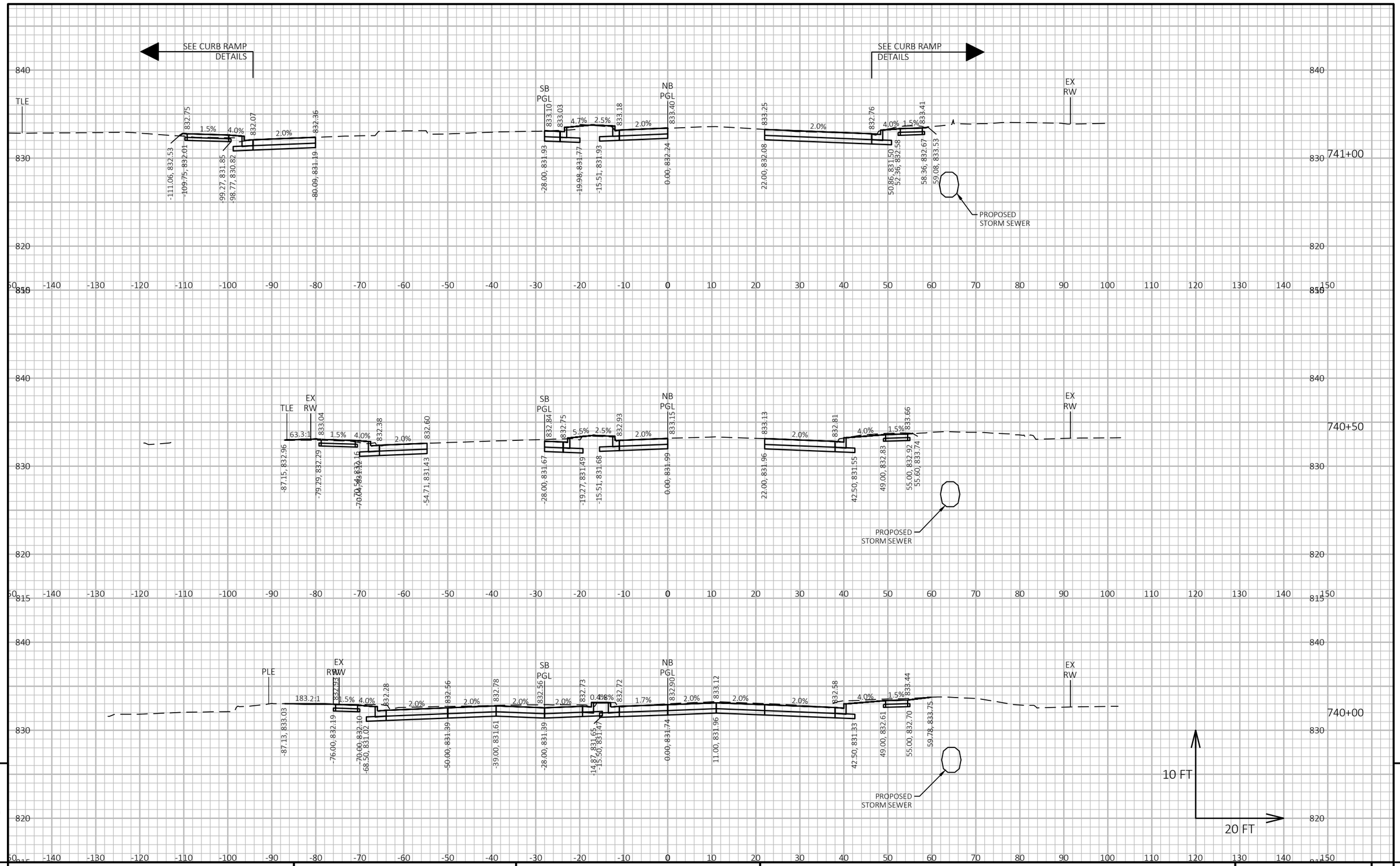
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PROJECT NO: 6145-01-74	HWY: USH 12	COUNTY: SAUK	CROSS SECTIONS	SHEET 1294	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-74\090202_XS.DWG
LAYOUT NAME - 090231_xs

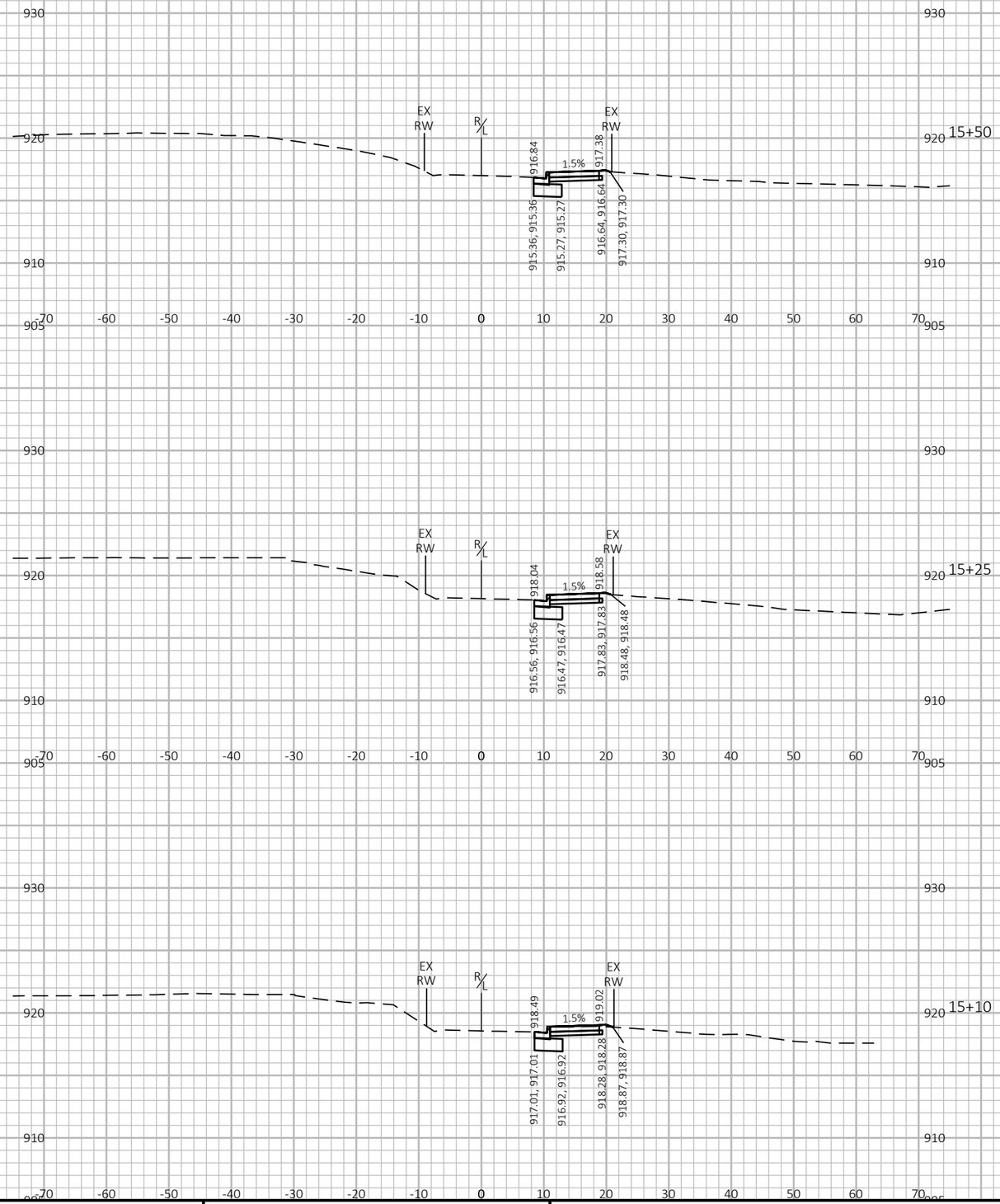
PLOT DATE : 6/19/2025 10:58 AM PLOT BY : BARRETT, WILL PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 6145-01-74	HWY: USH 12	COUNTY: SAUK	CROSS SECTIONS	SHEET 1295 E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-74\090202_XS.DWG
LAYOUT NAME - 090232_xs
PLOT DATE : 6/19/2025 10:58 AM
PLOT BY : BARRETT, WILL
PLOT NAME :
PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.
WISDOT/CADDS SHEET 49



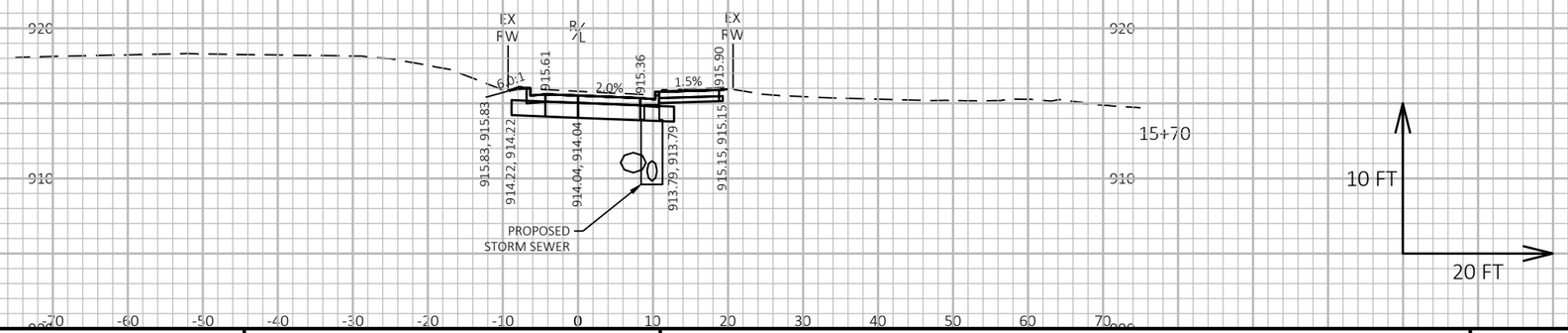
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PROJECT NO: 6145-01-73	HWY: USH 12	COUNTY: SAUK	CROSS SECTIONS: HIAWATHA DRIVE	SHEET 1296	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-73\090203_XS.DWG
LAYOUT NAME - 01

PLOT DATE : 6/19/2025 10:47 AM PLOT BY : BARRETT, WILL PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.



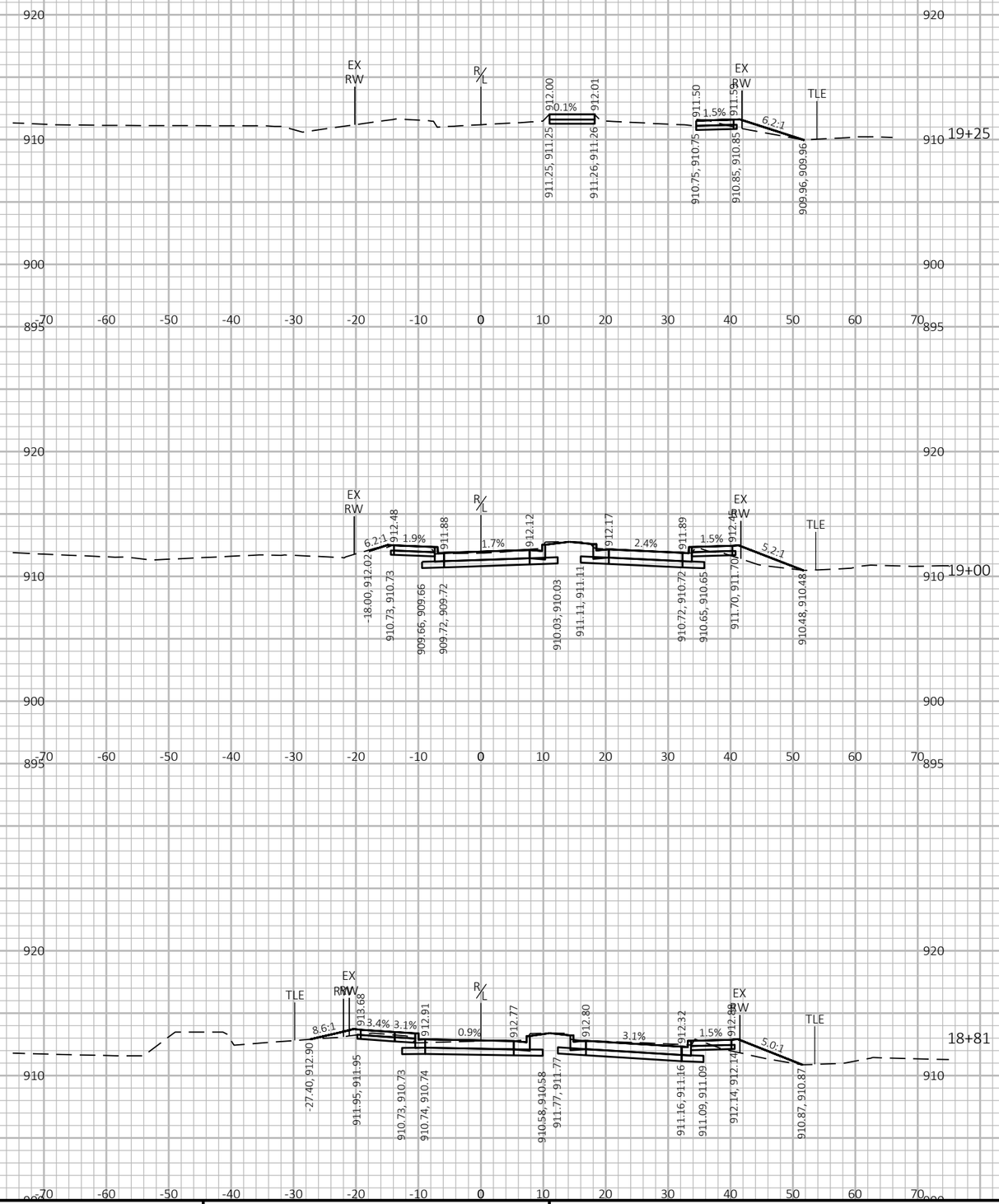
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PROJECT NO: 6145-01-73	HWY: USH 12	COUNTY: SAUK	CROSS SECTIONS: HIAWATHA DRIVE	SHEET 1297	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-73\090203_XS.DWG
LAYOUT NAME - 02

PLOT DATE : 6/19/2025 10:47 AM PLOT BY : BARRETT, WILL PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

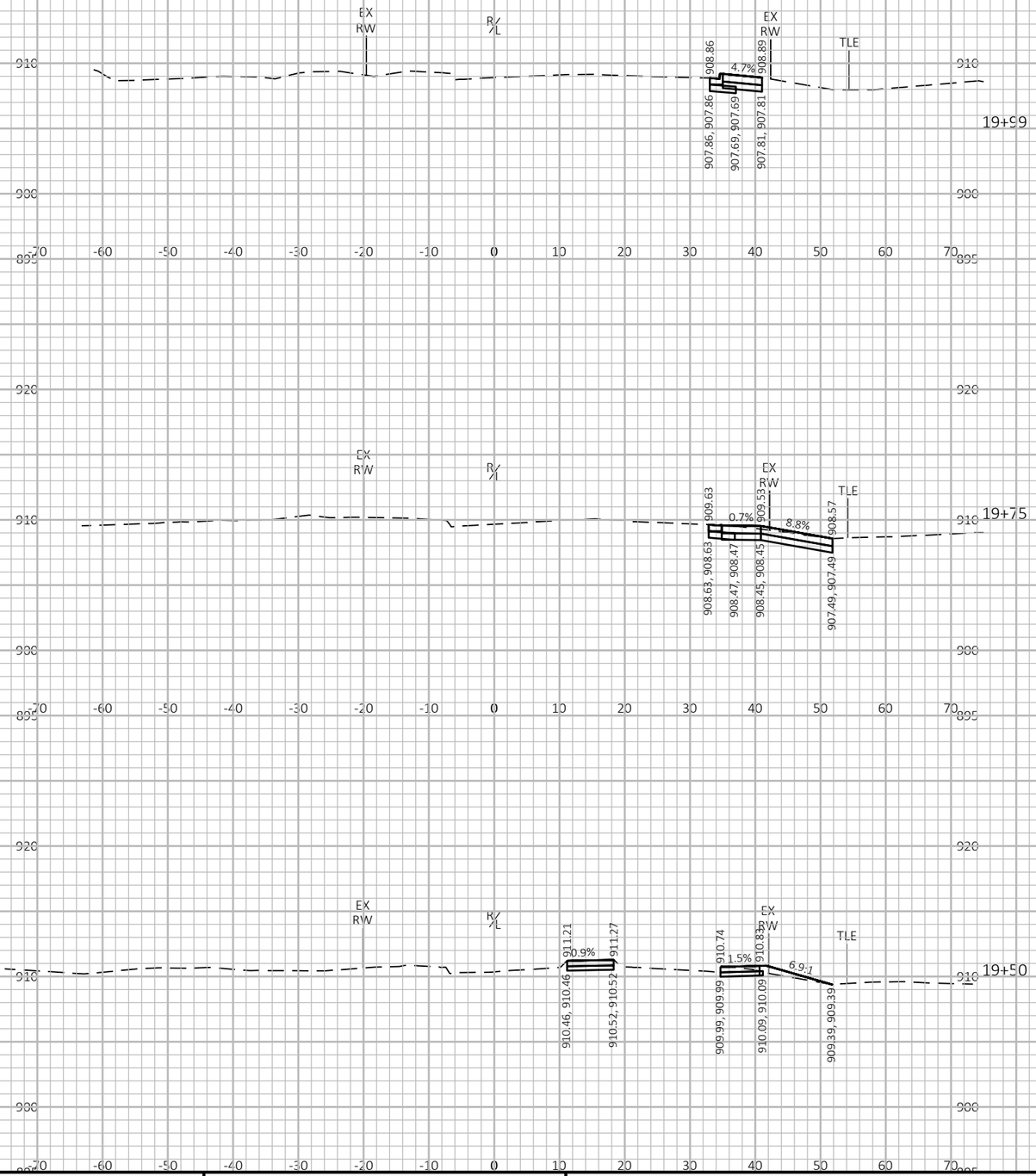


PROJECT NO: 6145-01-73	HWY: USH 12	COUNTY: SAUK	CROSS SECTIONS: HIAWATHA DRIVE	SHEET 1298	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-73\090203_XS.DWG
LAYOUT NAME - 03

PLOT DATE : 6/19/2025 10:47 AM PLOT BY : BARRETT, WILL PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

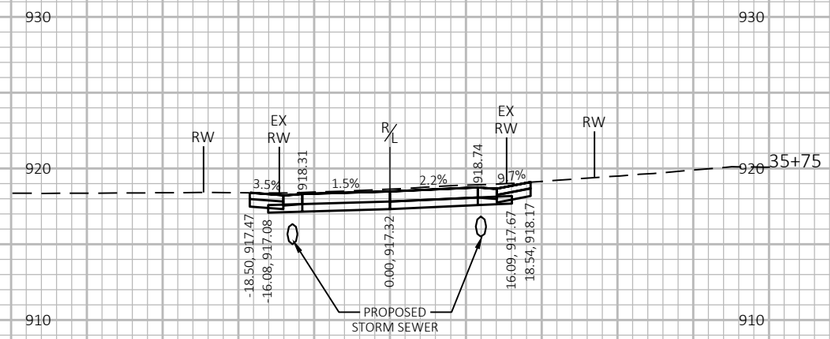
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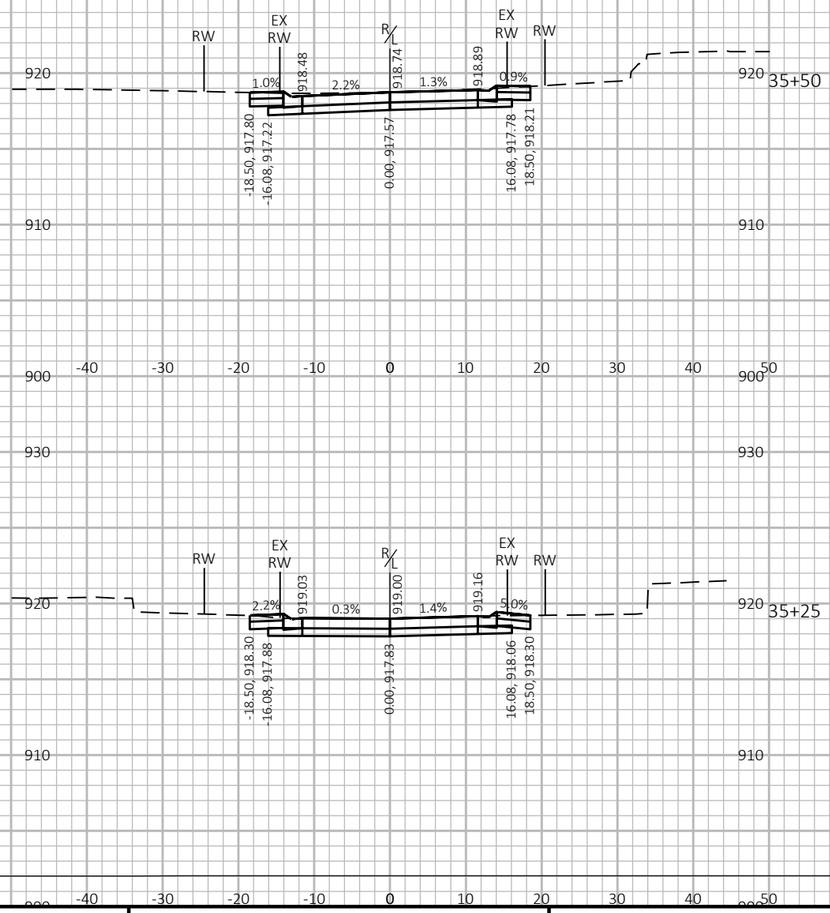
PROJECT NO: 6145-01-73	HWY: USH 12	COUNTY: SAUK	CROSS SECTIONS: HIAWATHA DRIVE	SHEET 1299	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-73\090203_XS.DWG
LAYOUT NAME - 04

PLOT DATE : 6/19/2025 10:47 AM PLOT BY : BARRETT, WILL PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49





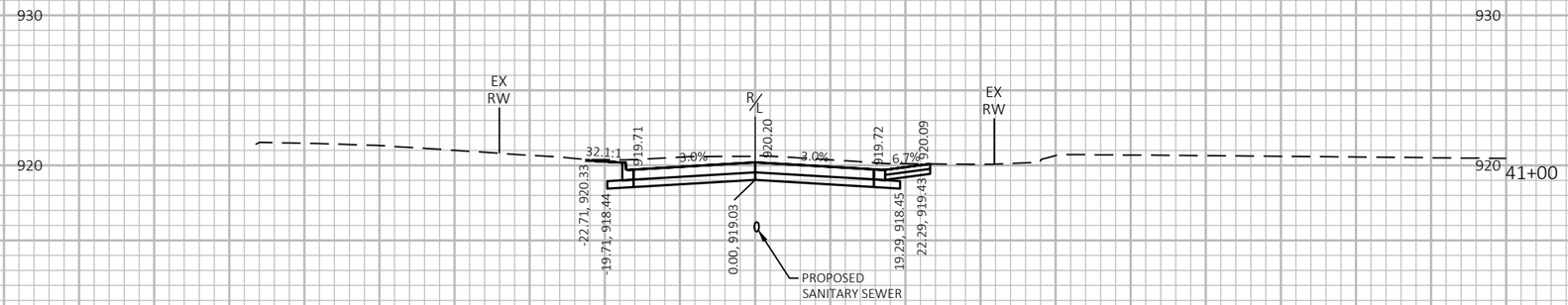


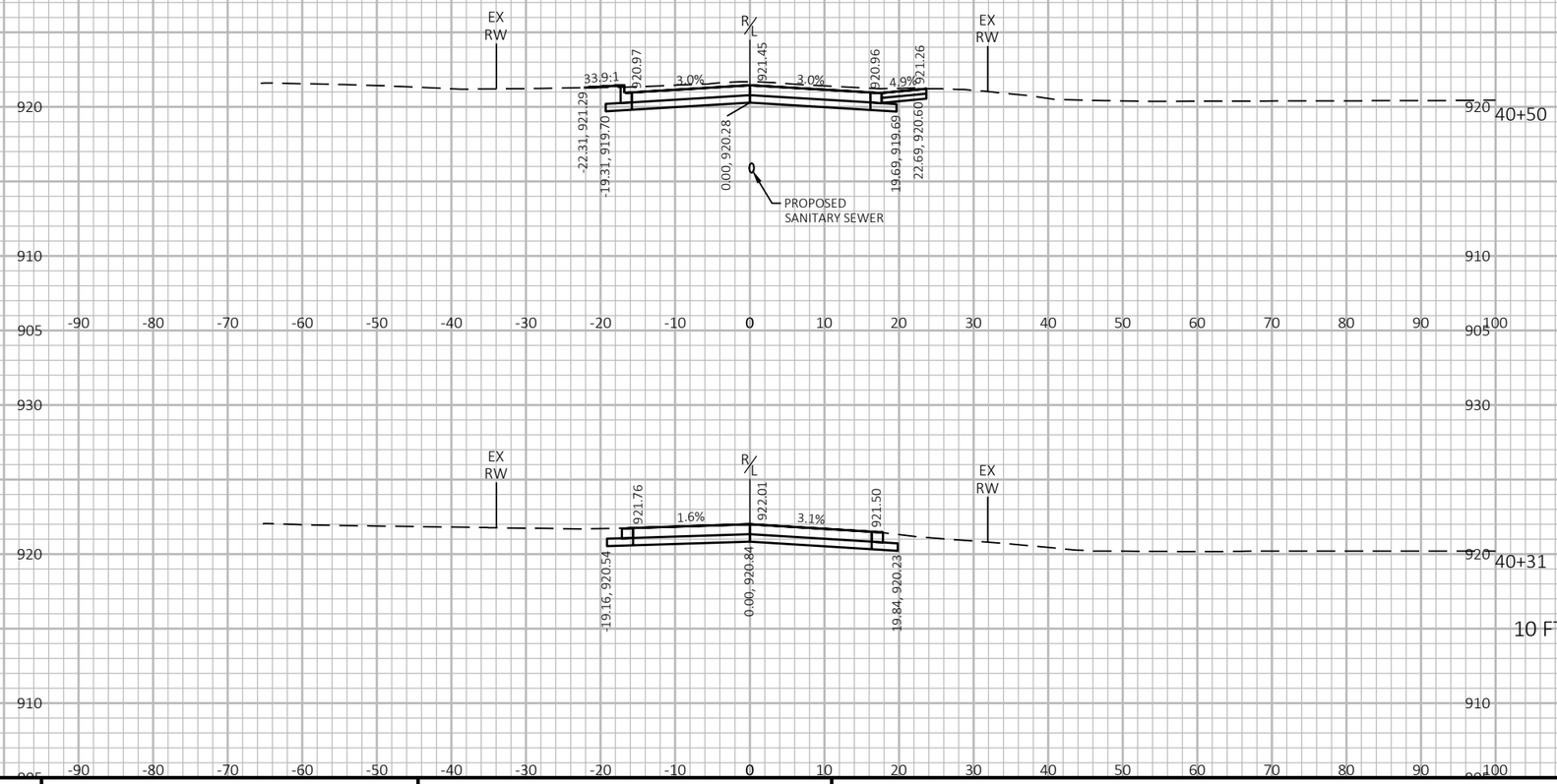
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PROJECT NO: 6145-01-73	HWY: USH 12	COUNTY: SAUK	CROSS SECTIONS: WINNEBAGO LANE	SHEET 1300	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-73\090204_XS.DWG
LAYOUT NAME - 090246_xs
PLOT DATE : 6/19/2025 10:47 AM
PLOT BY : BARRETT, WILL
PLOT NAME :
PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.
WISDOT/CADDS SHEET 49





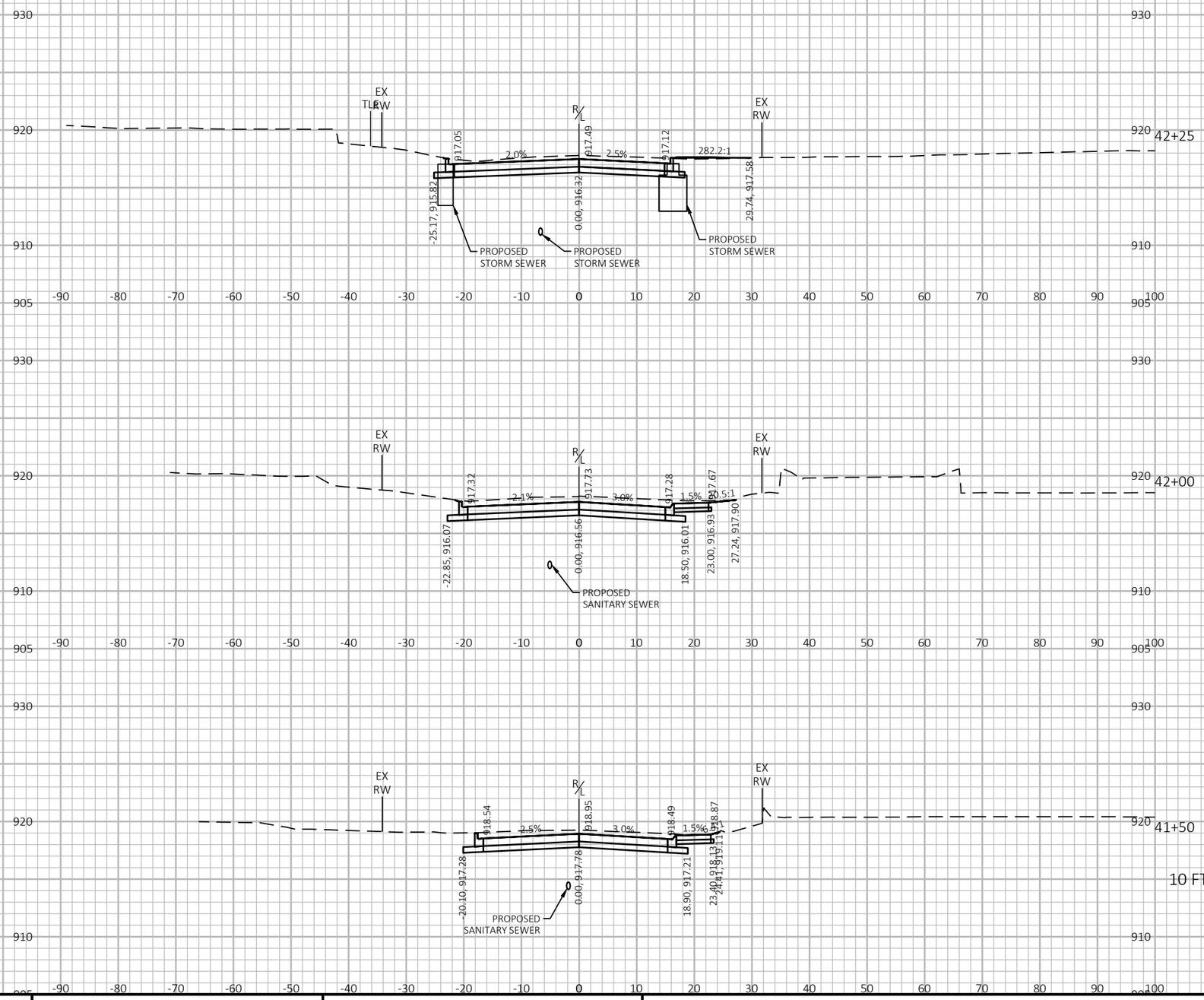
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9

PROJECT NO: 6145-01-73	HWY: USH 12	COUNTY: SAUK	CROSS SECTIONS: LAKE AVENUE	SHEET 1301	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-73\090205_XS.DWG
LAYOUT NAME - 090243_xs

PLOT DATE : 6/19/2025 10:47 AM PLOT BY : BARRETT, WILL PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.



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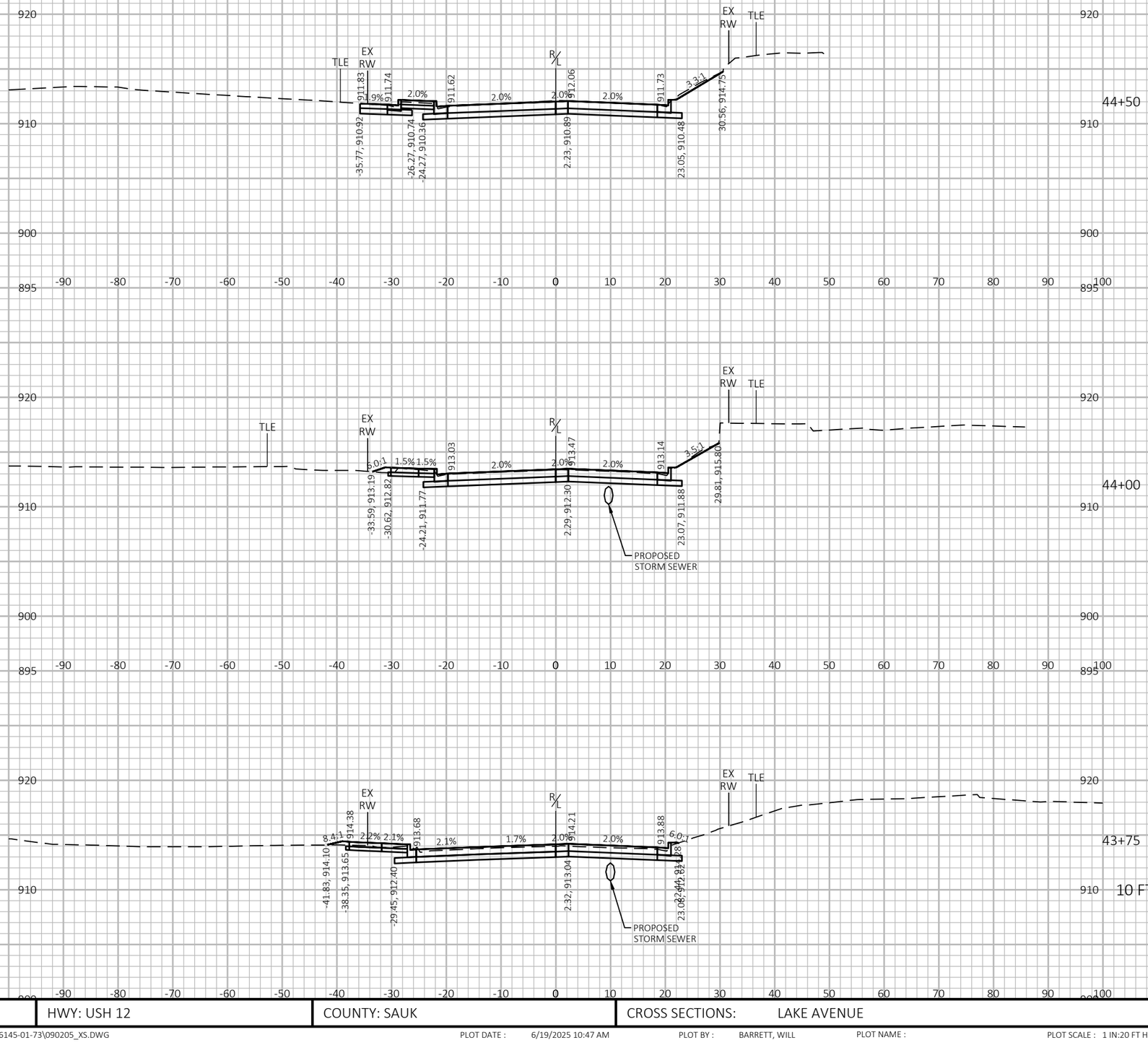
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PROJECT NO: 6145-01-73	HWY: USH 12	COUNTY: SAUK	CROSS SECTIONS: LAKE AVENUE	SHEET 1302	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-73\090205_XS.DWG
LAYOUT NAME - 090244_xs

PLOT DATE : 6/19/2025 10:47 AM PLOT BY : BARRETT, WILL PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



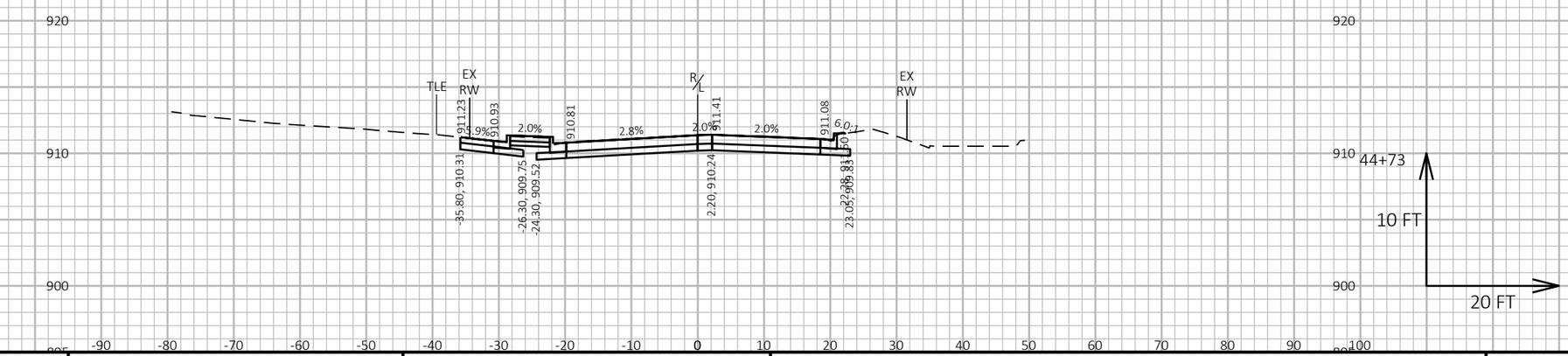
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PROJECT NO: 6145-01-73	HWY: USH 12	COUNTY: SAUK	CROSS SECTIONS: LAKE AVENUE	SHEET 1303	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-73\090205_XS.DWG
LAYOUT NAME - 090245_xs

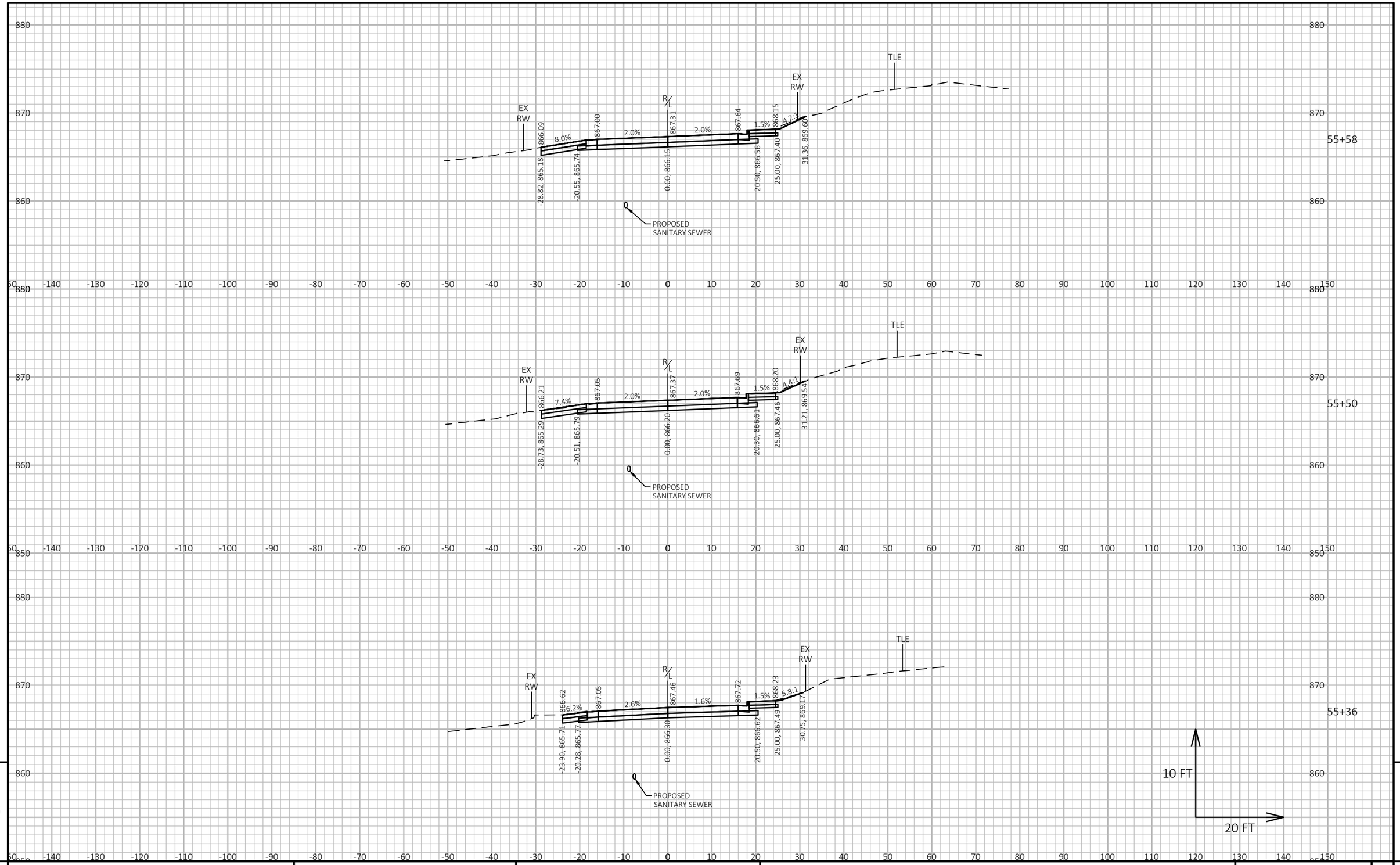
PLOT DATE : 6/19/2025 10:47 AM PLOT BY : BARRETT, WILL PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.



PROJECT NO: 6145-01-73	HWY: USH 12	COUNTY: SAUK	CROSS SECTIONS: LAKE AVENUE	SHEET 1304 E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-73\090205_XS.DWG
LAYOUT NAME - 090246_xs

PLOT DATE : 6/19/2025 10:47 AM PLOT BY : BARRETT, WILL PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.



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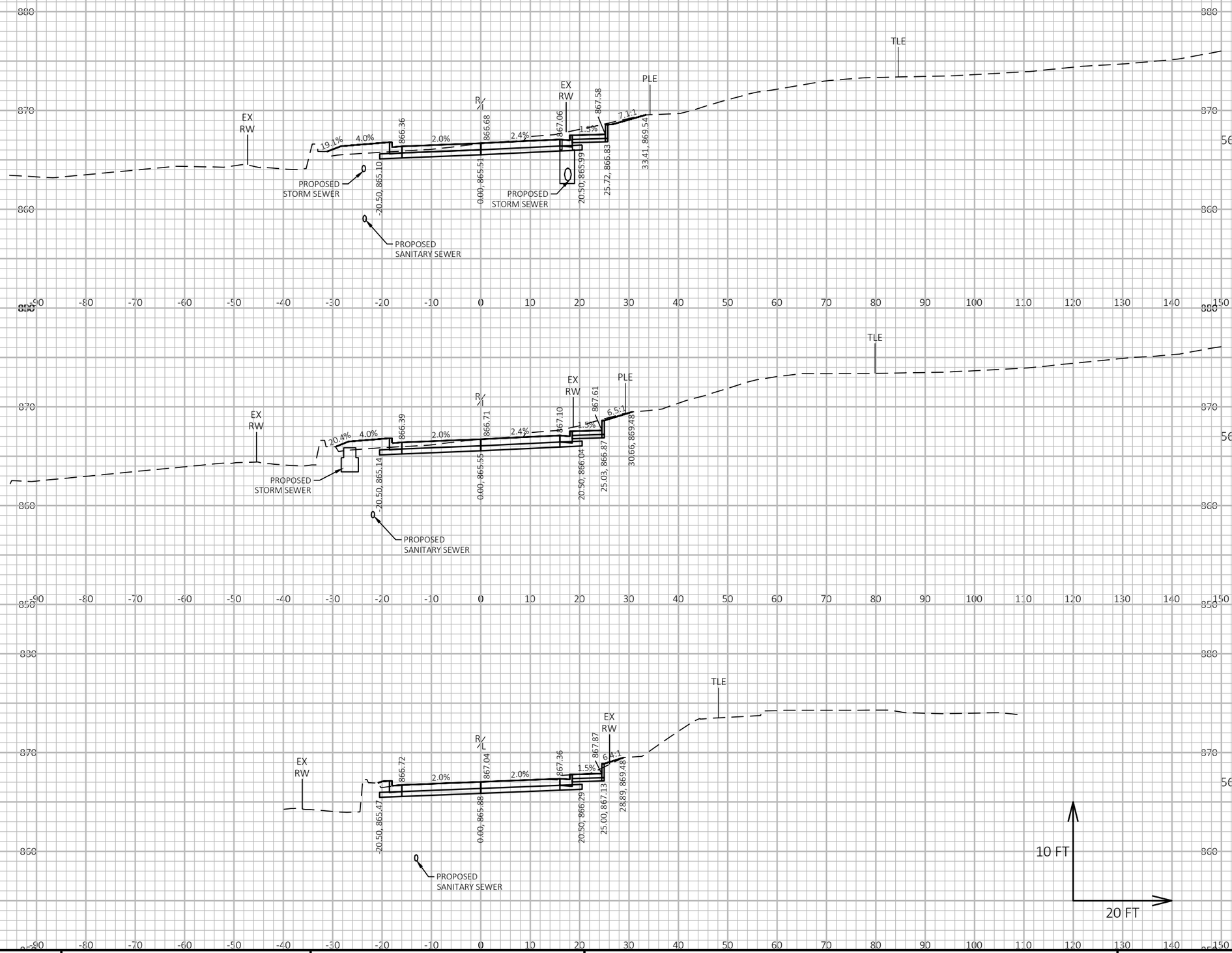
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PROJECT NO: 6145-01-72	HWY: USH 12	COUNTY: SAUK	CROSS SECTIONS: PILGRIM DRIVE	SHEET 1305	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-72\090204_XS.DWG
LAYOUT NAME - 090241_xs

PLOT DATE : 6/19/2025 10:47 AM PLOT BY : BARRETT, WILL PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

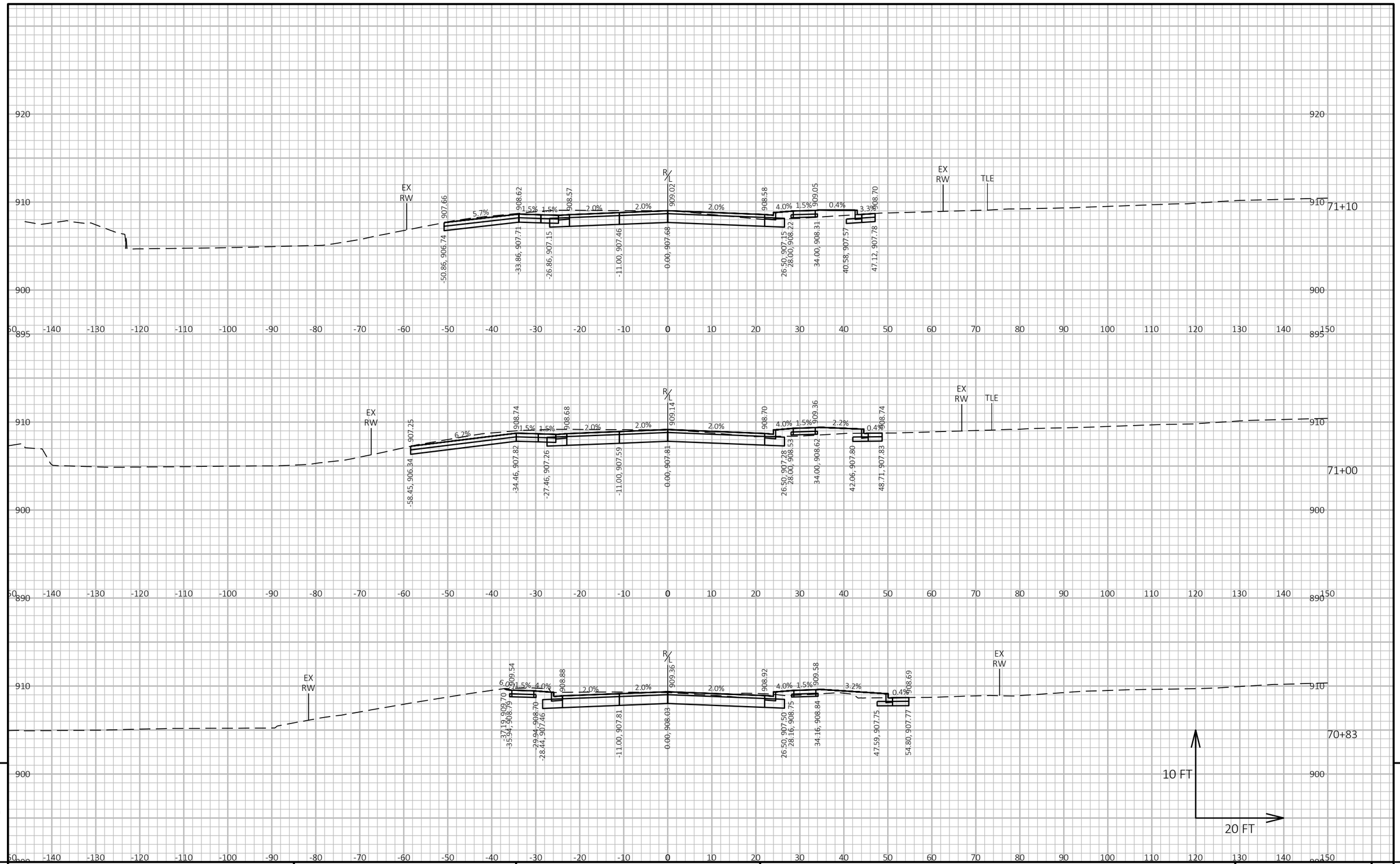
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PROJECT NO: 6145-01-72	HWY: USH 12	COUNTY: SAUK	CROSS SECTIONS: PILGRIM DRIVE	SHEET 1306	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-72\090204_XS.DWG
LAYOUT NAME - 090242_xs

PLOT DATE : 6/19/2025 10:47 AM PLOT BY : BARRETT, WILL PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

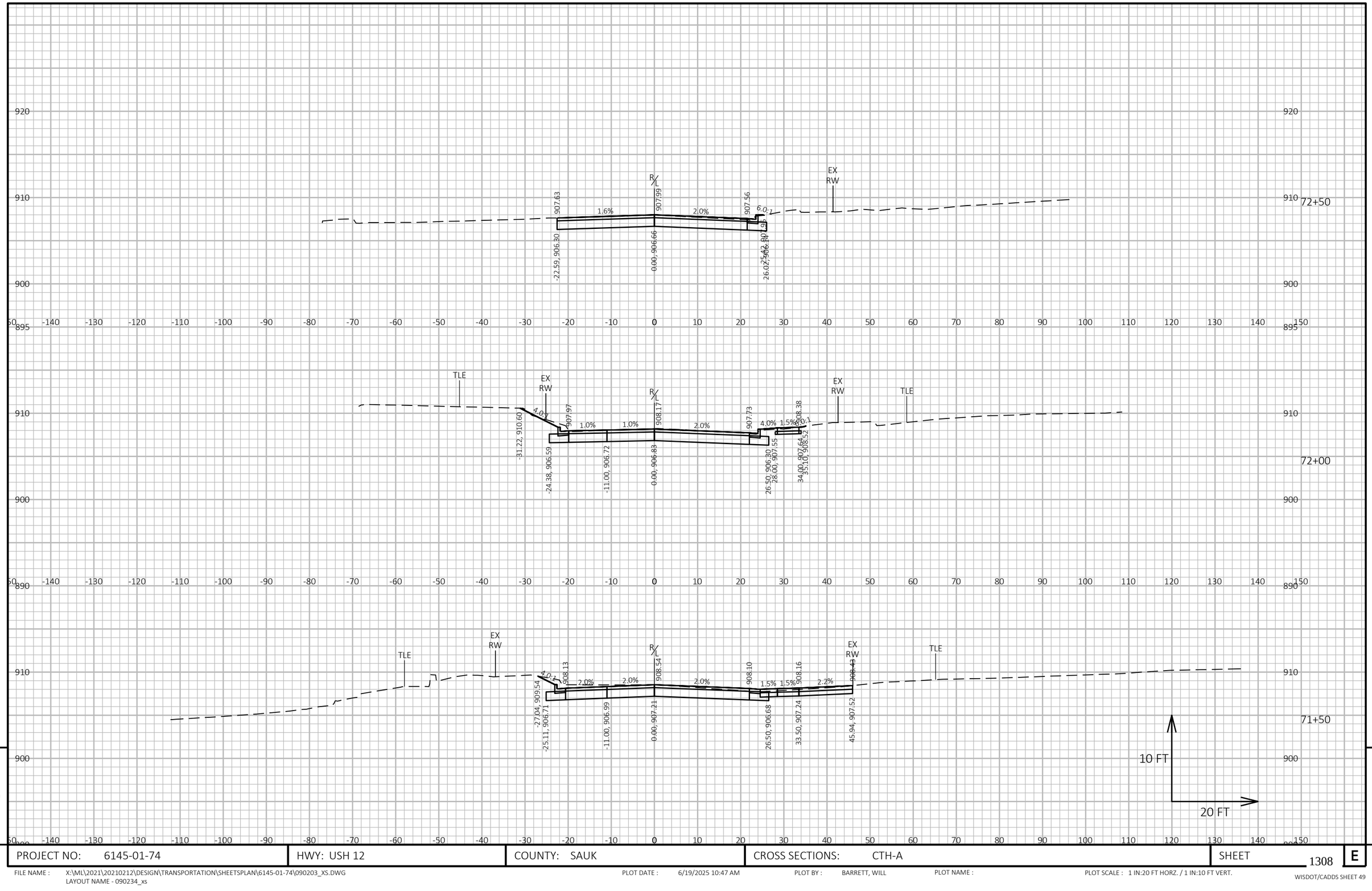
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PROJECT NO: 6145-01-74	HWY: USH 12	COUNTY: SAUK	CROSS SECTIONS: CTH-A	SHEET 1307	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-74\090203_XS.DWG
LAYOUT NAME - 090233_xs

PLOT DATE : 6/19/2025 10:47 AM PLOT BY : BARRETT, WILL PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

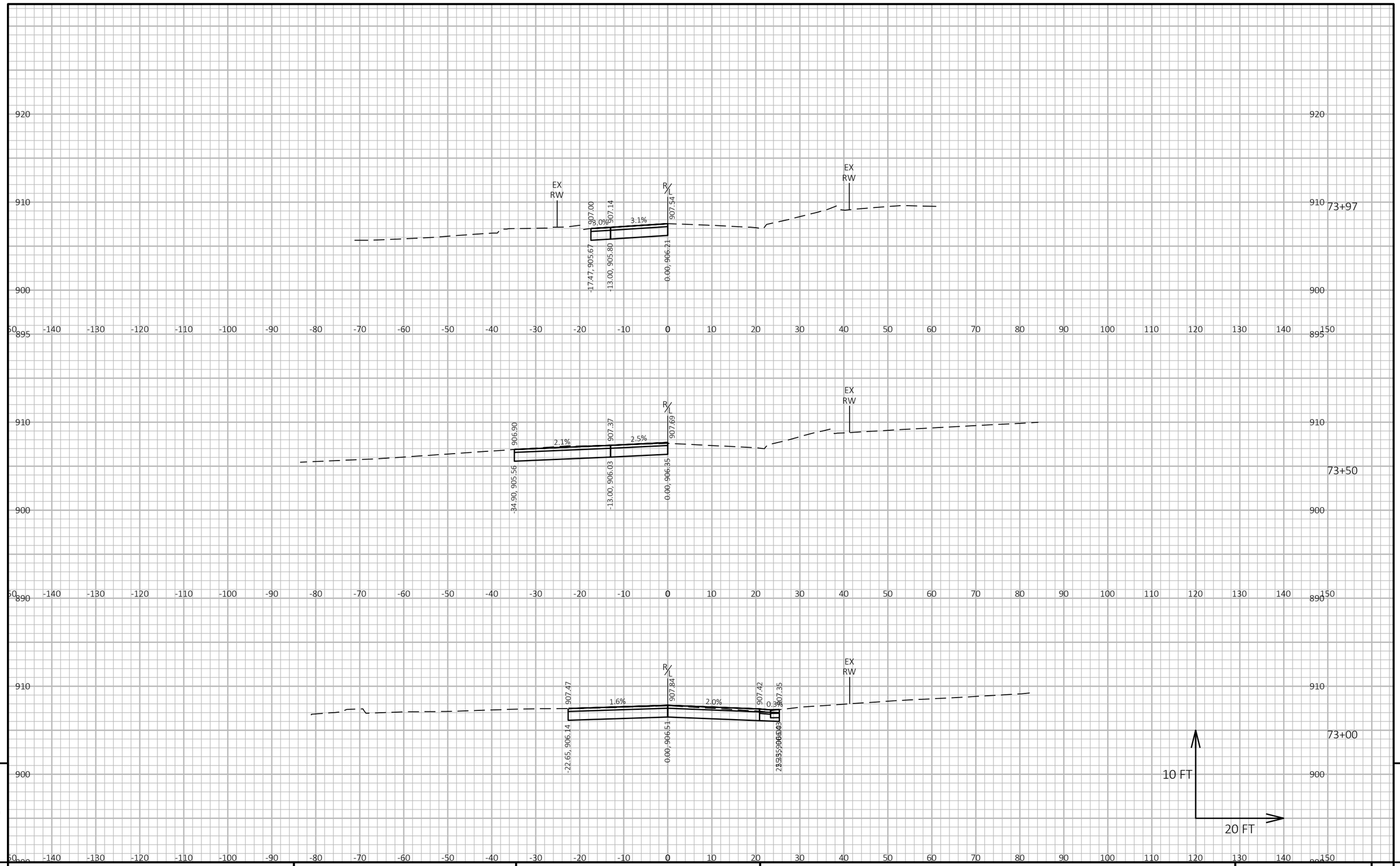


PROJECT NO: 6145-01-74	HWY: USH 12	COUNTY: SAUK	CROSS SECTIONS: CTH-A	SHEET 1308	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-74\090203_XS.DWG
LAYOUT NAME - 090234_xs

PLOT DATE : 6/19/2025 10:47 AM PLOT BY : BARRETT, WILL PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 6145-01-74	HWY: USH 12	COUNTY: SAUK	CROSS SECTIONS: CTH-A	SHEET 1309	E

FILE NAME : X:\ML\2021\20210212\DESIGN\TRANSPORTATION\SHEETSPLAN\6145-01-74\090203_XS.DWG
LAYOUT NAME - 090235_xs

PLOT DATE : 6/19/2025 10:47 AM PLOT BY : BARRETT, WILL PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

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