MAD

PROJECT ID: 5845-16-84

WITH: N/A

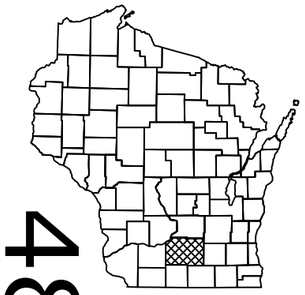
COUNTY: DANE

DECEMBER 2025

ORDER OF SHEETS

Section No.	1	Title
Section No.	2	Typical Sections and Details (Includes Erosion Control 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 = 488



48

N

DESIGN DESIGNATION 5845-16-04

A.A.D.T.	(2026)	=	14,200
A.A.D.T.	(2046)	=	15,300
D.H.V.	(2046)	=	1,607
D.D.	(2046)	=	67/33
T.		=	4.3%
DESIGN SPEED		=	45 MPH
ESALS		=	1,900,000

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

STOUGHTON - MADISON

TOWER ROAD TO EXCHANGE STREET

USH 51
DANE COUNTY

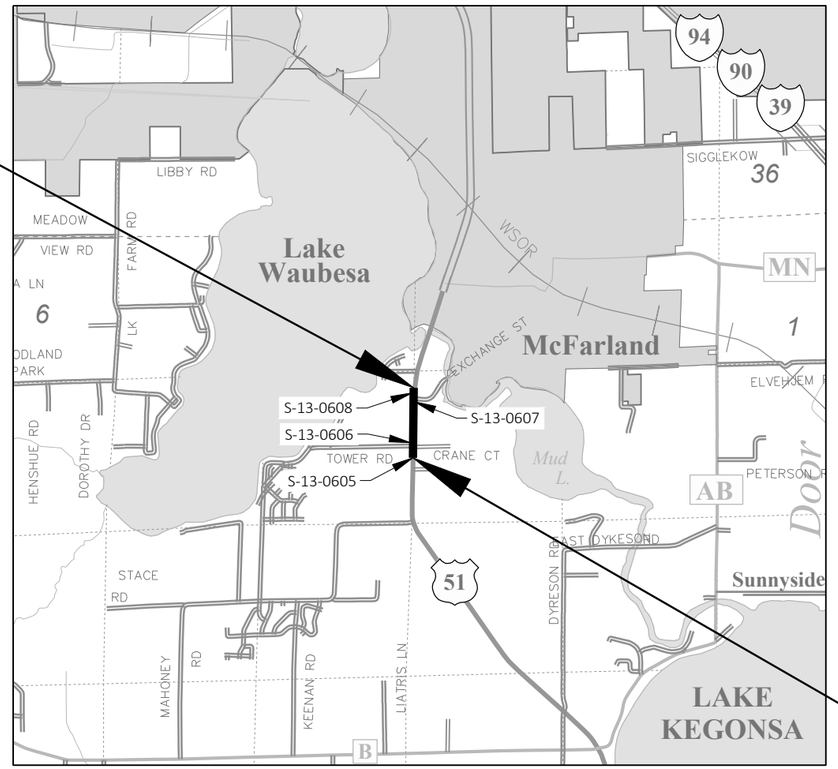
STATE PROJECT NUMBER
5845-16-84

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
5845-16-84	WISC 2026055	1

R-10-E

T-7-N

T-6-N



END PROJECT
STA 838+79.59 NB

BEGIN PROJECT
STA 804+83.19 NB
Y=453,813.37
X=841,754.77

LAYOUT

SCALE 0 1 MI

TOTAL NET LENGTH OF CENTERLINE = 0.643 MI

HORIZONTAL POSITIONS SHOWN ON THIS PLAN ARE WISCONSIN COORDINATE REFERENCE SYSTEM (WISCRS), DANE COUNTY NAD83 (2011), 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 (2012). GPS DERIVED ELEVATIONS ARE BASED ON GEOID 18.

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'EB')
- 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

ORIGINAL PLANS PREPARED BY:

STRAND ASSOCIATES®
910 WEST WINGRA DRIVE
MADISON, WISCONSIN 53715
(608) 251-4843

WISCONSIN
KENNETH M. SWANSON
E - 40476
MADISON
WI
PROFESSIONAL ENGINEER
07-30-2025

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY

Surveyor	STRAND ASSOCIATES, INC.
Designer	STRAND ASSOCIATES, INC.
Project Manager	KEVIN DRUNASKY, P.E.
Regional Examiner	WISDOT SOUTHWEST REGION
Regional Supervisor	JENNIFER KOBRYN, P.E.

APPROVED FOR THE DEPARTMENT

DATE: 7-31-25 [Signature]

E

UTILITIES CONTACTS

* NICHOLAS DACHNIWSKYJ
ALLIANT ENERGY - ELECTRICITY
935 WBR TOWNLINE ROAD
BELOIT, WI 53511
PHONE: (608) 364-6566
NICHOLASDACHNIWSKYJ@ALLIANTENERGY.COM

* CHRIS POLLACK
FRONTIER COMMUNICATIONS OF WI LLC - COMMUNICATION LINE
521 4TH STREET
WAUSAU, WI 54403
PHONE: (715) 847-1240
CHRISTOPHER.POLLACK@FTR.COM

* BRIAN SHOTLIFF
KEGONSA SANITARY DISTRICT - SEWER
2240 US HIGHWAY 51
P.O. BOX 486
STOUGHTON, WI 53589-0486
PHONE: (608) 873-0230
SERVICEOPERATOR@KEGONSASANITARYDISTRICT.COM

* RJ CICATELLO
MCI - COMMUNICATION LINE
15725 WEST RYERSON RD
NEW BERLIN, WI 53151
PHONE: (262) 782-9836
RANDY.CICATELLO@VERIZON.COM

* NICK THUNBERG
SPECTRUM - COMMUNICATION LINE
1348 PLAINFIELD AVENUE
JANESVILLE, WI 53545
PHONE: (920) 296-6552
NICHOLAS.THUNBERG@CHARTER.COM

* LORIN MISSALL
TDS METROCOM LLC - COMMUNICATION LINE
525 JUCTION RD
MADISON, WI 53719
PHONE: (608) 225-5913
LORIN.MISSALL@TDSTELECOM.COM

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

WISCONSIN DNR LIAISON

ERIC HEGGELUND
WISCONSIN DEPARTMENT OF NATURAL RESOURCES
SOUTH CENTRAL REGION HEADQUARTERS
3911 FISH HATCHERY ROAD
FITCHBURG, WI 53711
PHONE: (608) 228-7927
ERIC.HEGGELUND@WISCONSIN.GOV

WISDOT REGION CONTACT

KEVIN DRUNASKY, P.E.
WISDOT SOUTHWEST REGION
2101 WRIGHT STREET
MADISON, WI 53704
PHONE: (608) 246-3811
KEVIN.DRUNASKY@DOT.WI.GOV

DESIGN CONSULTANT

KEN SWANSON, P.E.
STRAND ASSOCIATES, INC.
910 WEST WINGRA DRIVE
MADISON, WI 53715
PHONE: (608) 251-4843
KEN.SWANSON@STRAND.COM

HMA PAVEMENT SUMMARY TABLE

HMA PAVEMENT, WHEN INDICATED ON THE PLANS, SHALL CONSIST OF COURSE THICKNESSES AS FOLLOWS, UNLESS OTHERWISE NOTED ON THE PLANS.

USH 51 MAINLINE SHOULDERS (4 INCHES)			
LAYER	THICKNESS	GRADATION	BID ITEMS
UPPER	2 INCHES	12.5 MM	4 LT 58-28 S
LOWER	2 INCHES	12.5 MM	4 LT 58-28 S
TOWER ROAD (4 INCHES)			
LAYER	THICKNESS	GRADATION	BID ITEMS
UPPER	2 INCHES	12.5 MM	4 MT 58-28 S
LOWER	2 INCHES	12.5 MM	4 MT 58-28 S
EXCHANGE STREET (4.5 INCHES)			
LAYER	THICKNESS	GRADATION	BID ITEMS
UPPER	2 INCHES	12.5 MM	4 MT 58-28 S
LOWER	2.5 INCHES	12.5 MM	4 MT 58-28 S
USH 51 MAINLINE TEMPORARY TRANSITION AND SHOULDERS (4 INCHES)			
LAYER	THICKNESS	GRADATION	BID ITEMS
UPPER	2 INCHES	12.5 MM	4 MT 58-28 S
LOWER	2 INCHES	12.5 MM	4 MT 58-28 S

GENERAL NOTES

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.

EROSION CONTROL FEATURES AS SHOWN IN THE PLANS ARE AT SUGGESTED LOCATIONS. EXACT LOCATIONS WILL BE DETERMINED BY THE CONTRACTOR'S EROSION CONTROL IMPLEMENTATION PLAN (ECIP) AND APPROVED BY THE ENGINEER IN CONSULTATION WITH THE WISCONSIN DEPARTMENT OF NATURAL RESOURCES. MAINTAIN ALL EROSION CONTROL MEASURES UNTIL SUCH TIME AS THE ENGINEER DETERMINES THE MEASURE IS NO LONGER NECESSARY.

SEE SUBSURFACE EXPLORATION REPORTS FOR SOIL BORING INFORMATION. REPORTS ARE AVAILABLE FROM WISDOT SW REGION BY CONTACTING KEVIN DRUNASKY, WISDOT DESIGN PROJECT MANAGER, AT (608) 246-3811 OR BY EMAIL AT KEVIN.DRUNASKY@DOT.WI.GOV.

PIPE ELEVATIONS, LENGTHS AND LOCATIONS AS SHOWN ON THE PLANS MAY BE ADJUSTED TO FIT EXISTING FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

REVIEW ALL SIGN LOCATIONS WITH THE ENGINEER PRIOR TO INSTALLATION.

WHEN THE QUANTITY OF BASE AGGREGATE DENSE IS MEASURED FOR PAYMENT IN TONS, THE DEPTH OR THICKNESS AS SHOWN ON THE PLAN IS APPROXIMATE AND THE ACTUAL THICKNESS WILL DEPEND UPON THE DISTRIBUTION OF THE MATERIAL AS DIRECTED BY THE ENGINEER IN THE FIELD.

ALL EXISTING SIGNS SHALL REMAIN IN PLACE UNLESS THE ENGINEER APPROVES THEIR REMOVAL. ANY SIGNS REMOVED DUE TO CONTRACTOR MEANS AND METHODS SHALL BE REPLACED BY THE CONTRACTOR AT THEIR EXPENSE.

THE CONTRACTORS 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.

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

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

RUNOFF COEFFICIENT TABLE

	HYDROLOGIC SOIL GROUP											
	A			B			C			D		
	SLOPE RANGE (PERCENT)			SLOPE RANGE (PERCENT)			SLOPE RANGE (PERCENT)			SLOPE RANGE (PERCENT)		
LAND USE:	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER
ROW CROPS:	.08 .22	.16 .30	.22 .38	.12 .26	.20 .34	.27 .44	.15 .30	.24 .37	.33 .50	.19 .34	.28 .41	.38 .56
MEDIAN STRIPTURF:	.19 .24	.20 .26	.24 .30	.19 .25	.22 .28	.26 .33	.20 .26	.23 .30	.30 .37	.20 .27	.25 .32	.30 .40
SIDE SLOPETURF:			.25 .32			.27 .34			.28 .36			.30 .38
PAVEMENT:												
ASPHALT:	.70 - .95											
CONCRETE:	.80 - .95											
BRICK:	.70 - .80											
DRIVES, WALKS:	.75 - .85											
ROOFS:	.75 - .95											
GRAVEL ROADS, SHOULDERS:	.40 - .60											

TOTAL PROJECT AREA = 17.80 ACRES
TOTAL AREA EXPECTED TO BE DISTURBED BY CONSTRUCTION ACTIVITIES = 14.37 ACRES

ORDER OF SECTION 2 SHEETS

GENERAL NOTES
PROJECT OVERVIEW
TYPICAL SECTIONS
CONSTRUCTION DETAILS
INTERSECTION DETAILS
REMOVAL DETAILS
PLAN DETAILS
EROSION CONTROL
STORM SEWER PLAN
PLANTING
PERMANENT SIGNING
LIGHTING PLAN
PAVEMENT MARKING PLAN
TRAFFIC CONTROL
DETOUR PLAN - OFF PEAK CLOSURES
ALIGNMENT DETAILS
CONTROL POINT DATA & BENCHMARKS (INCLUDING SECTION CORNERS)
BORING OVERVIEW

2

N

TOWN OF DUNN

TOWER ROAD

BEGIN CONSTRUCTION
STA 12+00 TR

15TR

S-13-0606

DELINEATED WETLAND BOUNDARY (TYP.)

S-13-0608

END PROJECT
STA 838+79.59 NB

805 NB

810 NB

815 NB

820 NB

USH 51

825 NB

830 NB

835 NB

840 NB

BEGIN PROJECT
STA 804+83.19 NB
Y=453,813.37
X=841,754.77

S-13-0605

20TR

10EX

S-13-0607

END CONSTRUCTION
STA 21+50 TR

CRANE COURT

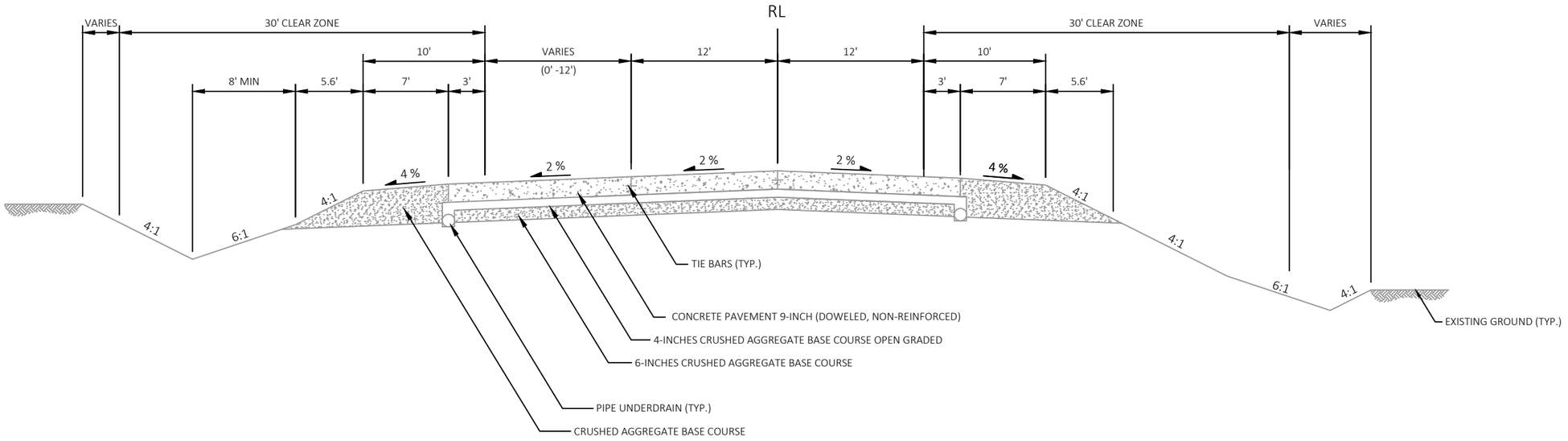
END CONSTRUCTION
STA 13+64.57 EX

EXCHANGE STREET

ENVIRONMENTALLY SENSITIVE AREA (TYP.)

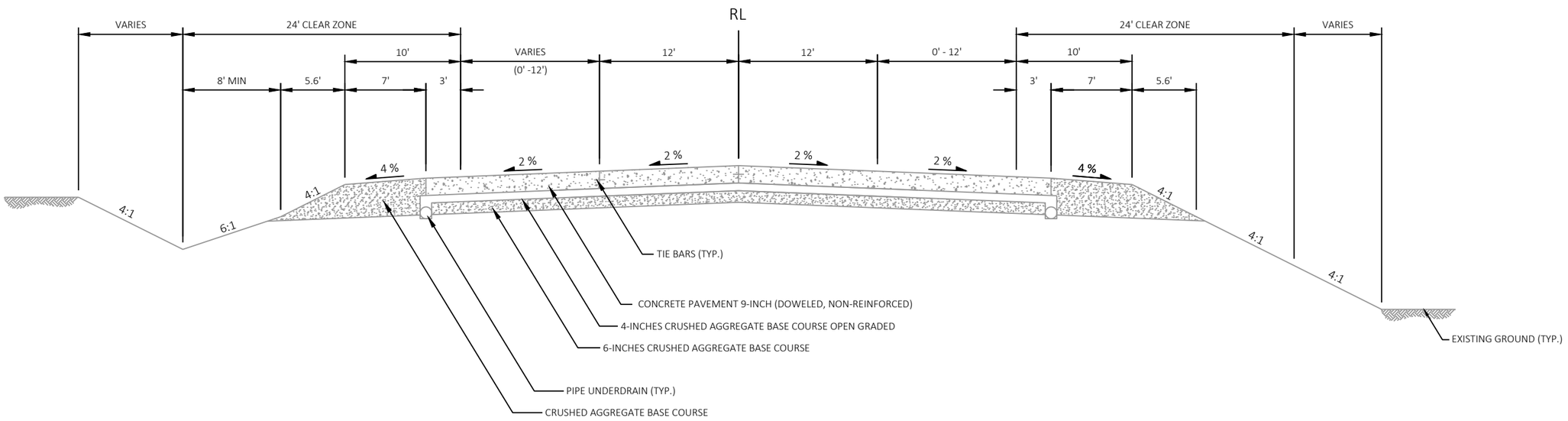
PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	PROJECT OVERVIEW	SHEET 3	E

FILE NAME : S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\020201-PO.DWG
LAYOUT NAME - 020201-po
PLOT DATE : 7/15/2025 8:28 AM
PLOT BY : JURECZEK, JESSIE
PLOT NAME :
PLOT SCALE : 1:300
WISDOT/CADDS SHEET 42



EXISTING TYPICAL SECTION

STA 804+83 NB - STA 832+00 NB



EXISTING TYPICAL SECTION

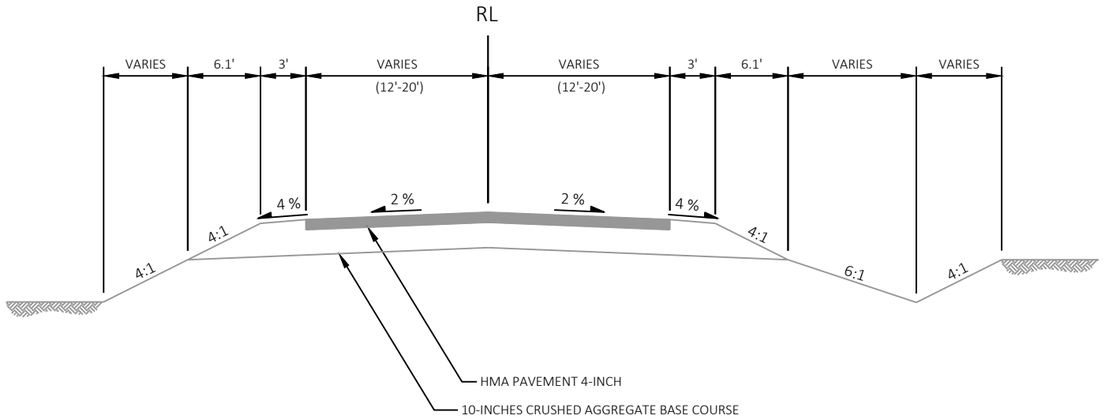
STA 832+00 NB - STA 838+80 NB

PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	TYPICAL SECTIONS	SHEET 4	E

FILE NAME : S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\020301-TS.DWG
LAYOUT NAME - 020301-ts

PLOT DATE : 7/25/2025 12:47 PM PLOT BY : HABERKORN, DEVEN PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 42



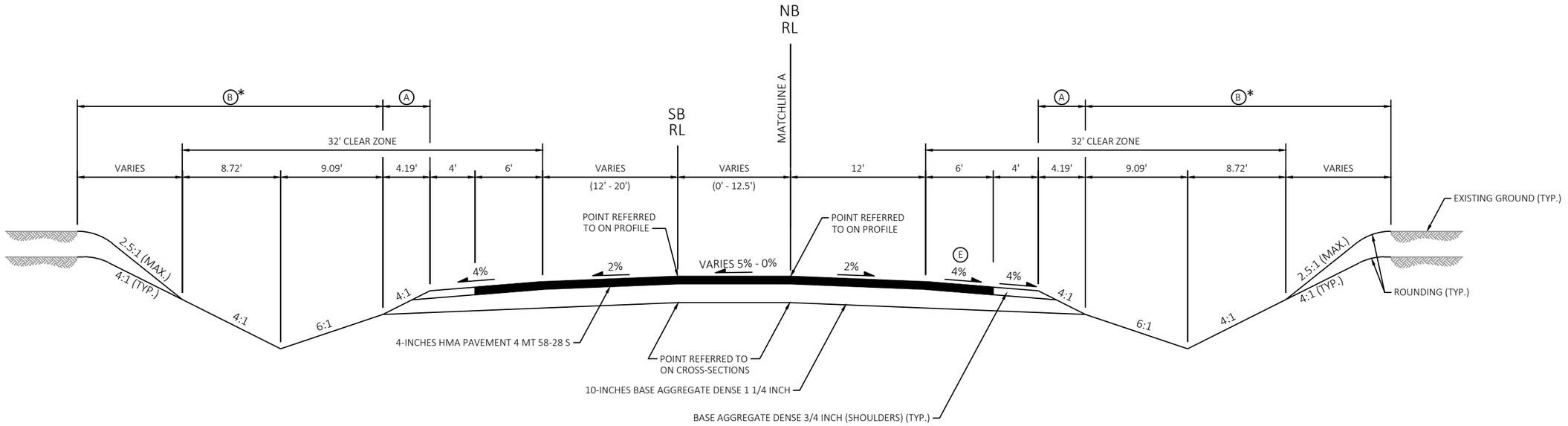
EXISTING TYPICAL SECTION - TOWER ROAD, CRANE COURT, & EXCHANGE STREET

9+07 EX - 13+34 EX
12+00 TR - 17+82 TR
18+43 TR - 21+50 TR

2

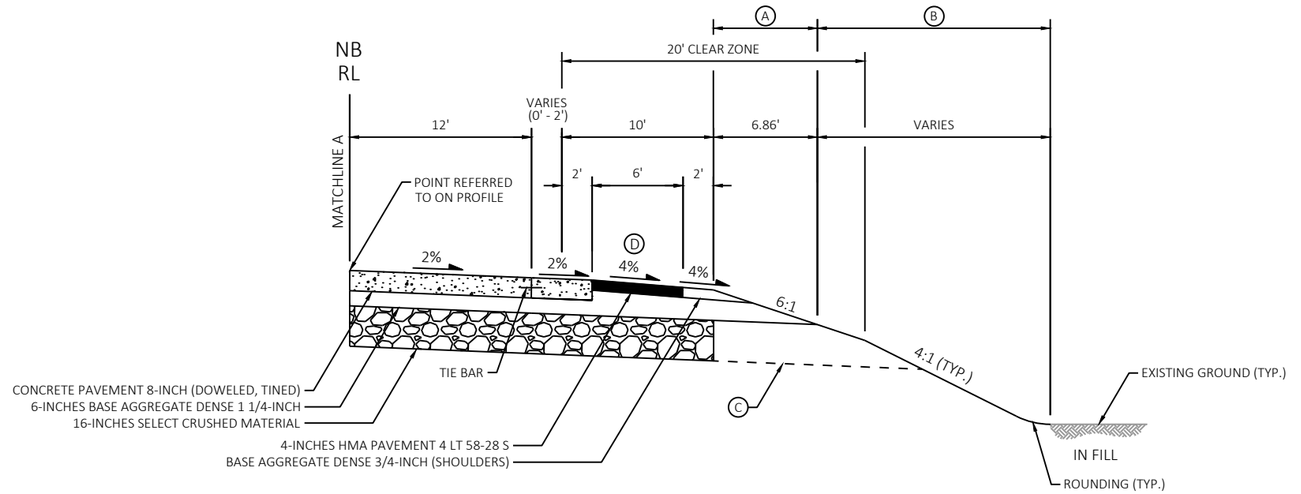
PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	TYPICAL SECTIONS	SHEET 5	E

FILE NAME : S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\020301-TS.DWG
LAYOUT NAME - 020302-ts
PLOT DATE : 7/25/2025 12:47 PM
PLOT BY : HABERKORN, DEVEN
PLOT NAME :
PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42



FINISHED TYPICAL SECTION - USH 51

STA. 804+83 NB - STA. 809+40 NB STA. 10+00 SB - STA. 14+78 SB



FINISHED TYPICAL SECTION - USH 51

STA. 809+40 NB - STA. 810+67 NB

(A) SEEDING MIXTURE NO. 30 & FERTILIZER TYPE B

(B) TOPSOIL, EROSION MAT CLASS I TYPE B, SEEDING MIXTURE NO. 30 & FERTILIZER TYPE B

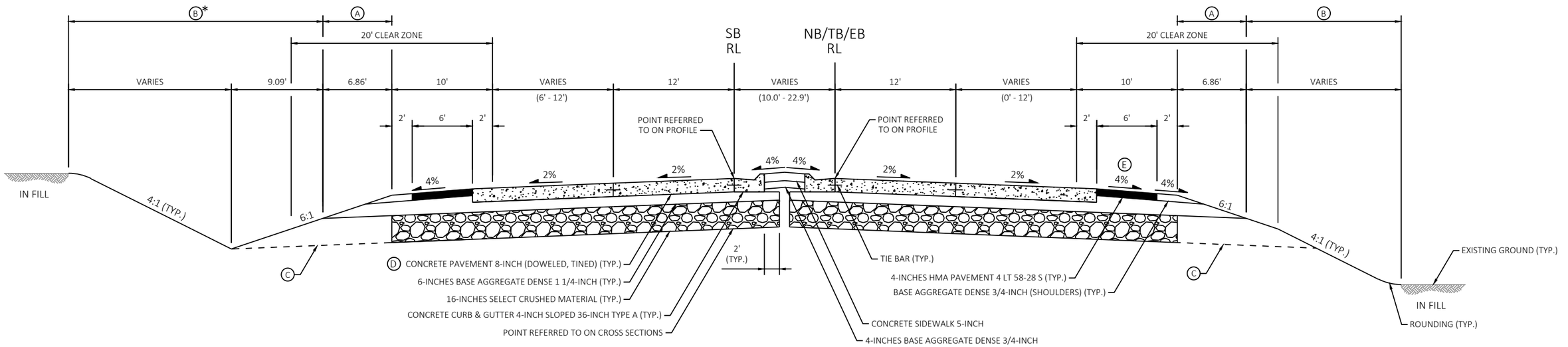
(C) CONSTRUCT RELIEF TRENCHES AT 250' INTERVALS AND AT PROFILE SAG POINTS - SEE CONSTRUCTION DETAILS FOR ADDITIONAL INFORMATION

(D) 2% TO ACCOMMODATE STAGED CONSTRUCTION FROM STA. 804+83 NB TO STA. 810+67 NB

* IN HIGH SHEAR DITCH LOCATIONS, EXTEND THE FOLLOWING ITEMS UP THE FORESLOPE AND BACKSLOPE A MINIMUM OF 1 FOOT VERTICALLY FROM THE DITCH BOTTOM: TOPSOIL, EROSION MAT CLASS III TYPE C, EROSION MAT CLASS I TYPE B (FOR INITIAL EROSION PROTECTION), SEEDING MIXTURE NO. 30 & FERTILIZER TYPE B. SEE EROSION CONTROL SHEETS FOR LOCATION INFORMATION.

PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	TYPICAL SECTIONS	SHEET 6	E

2



Ⓐ SEEDING MIXTURE NO. 30 & FERTILIZER TYPE B

Ⓑ TOPSOIL, EROSION MAT CLASS I TYPE B, SEEDING MIXTURE NO. 30 & FERTILIZER TYPE B

Ⓒ CONSTRUCT RELIEF TRENCHES AT 250' INTERVALS AND AT PROFILE SAG POINTS - SEE CONSTRUCTION DETAILS FOR ADDITIONAL INFORMATION

Ⓓ NON-TINED PAVEMENT BETWEEN STA. 812+50 NB - STA. 812+73 NB

Ⓔ 2% TO ACCOMMODATE STAGED CONSTRUCTION FROM STA. 810+67 NB TO STA. 812+47 NB

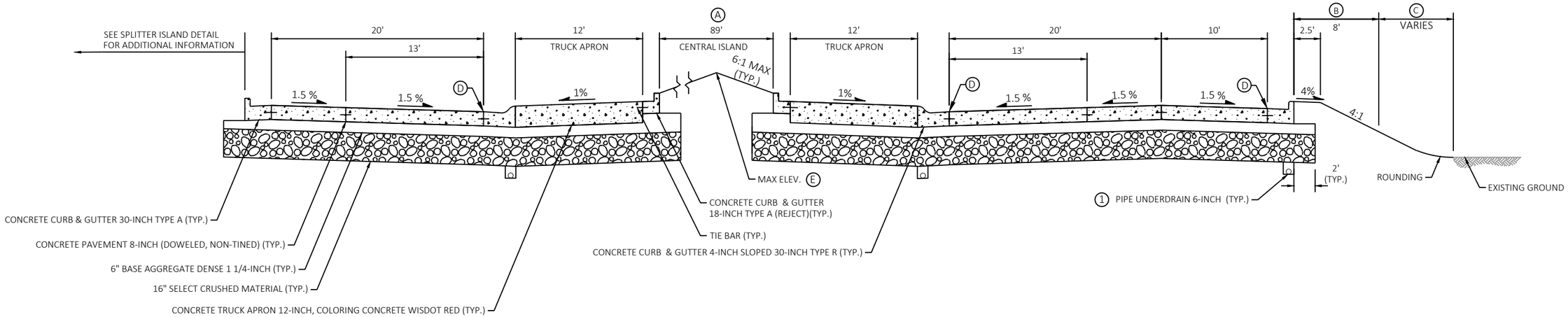
* IN HIGH SHEAR DITCH LOCATIONS, EXTEND THE FOLLOWING ITEMS UP THE FORESLOPE AND BACKSLOPE A MINIMUM OF 1 FOOT VERTICALLY FROM THE DITCH BOTTOM: TOPSOIL, EROSION MAT CLASS III TYPE C, EROSION MAT CLASS I TYPE B (FOR INITIAL EROSION PROTECTION), SEEDING MIXTURE NO. 30 & FERTILIZER TYPE B. SEE EROSION CONTROL SHEETS FOR LOCATION INFORMATION.

FINISHED TYPICAL SECTION - USH 51

STA. 810+67 NB - STA. 812+73 NB

PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	TYPICAL SECTIONS	SHEET 7	E

2



TYPICAL FINISHED SECTION THROUGH ROUNDABOUT

STA. 10+00 TA - STA. 13+80.13 TA
STA. 10+00 EA - STA. 13+80.12 EA

(A) SEE PLANTING DETAILS FOR CENTER ISLAND LANDSCAPE INFORMATION.

(B) TOPSOIL, EROSION MAT URBAN CLASS I TYPE A, SEEDING MIXTURE NO. 30 & FERTILIZER TYPE B

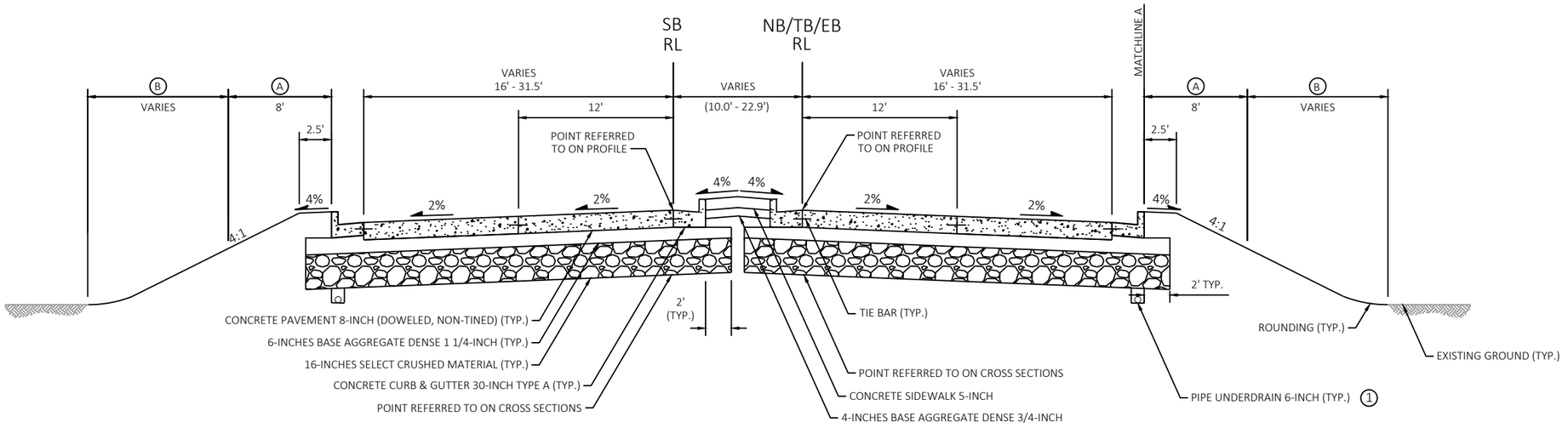
(C) TOPSOIL, EROSION MAT CLASS I TYPE B, SEEDING MIXTURE NO. 30 & FERTILIZER TYPE B

(D) POINT REFERRED TO ON SUPPLEMENTAL PROFILE.
SEE PLAN DETAIL SHEETS FOR ADDITIONAL INFORMATION.

(E) 895.17' - TOWER ROAD
861.89' - EXCHANGE STREET

(1) INSTALL PIPE UNDERDRAIN AT PROPOSED LOW POINTS.
SEE CONSTRUCTION DETAIL FOR ADDITIONAL INFORMATION.
SEE MISCELLANEOUS QUANTITIES FOR LOCATIONS.

2



FINISHED TYPICAL SECTION - USH 51, TOWER & EXCHANGE

STA. 17+09 SB - STA. 18+62 SB
STA. 20+10 SB - STA. 22+06 SB
STA. 33+66 SB - STA. 35+41 SB
STA. 36+90 SB - STA. 40+33 SB
STA. 812+73 NB - STA. 814+20 NB
STA. 815+91 NB - STA. 817+61 NB
STA. 829+22 NB - STA. 830+81 NB
STA. 832+61 NB - STA. 835+94 NB

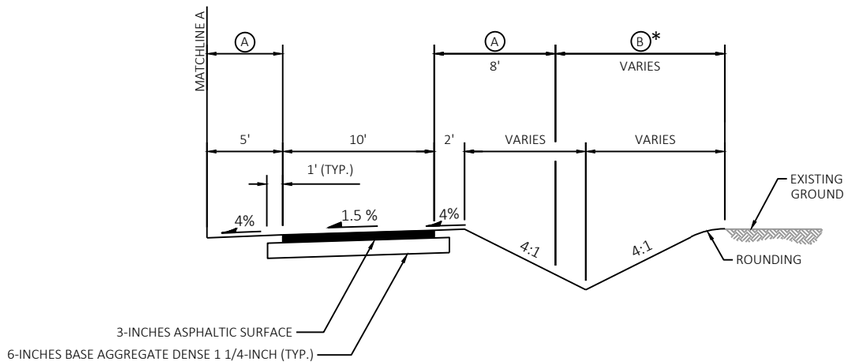
STA. 14+66 TR - STA. 17+24 TR
STA. 19+00 TR - STA. 20+04 TR
STA. 10+00 EX - STA. 11+02 EX

(A) TOPSOIL, EROSION MAT URBAN CLASS I TYPE A, SEEDING MIXTURE NO. 30 & FERTILIZER TYPE B

(B) TOPSOIL, EROSION MAT CLASS I TYPE B, SEEDING MIXTURE NO. 30 & FERTILIZER TYPE B

(1) INSTALL PIPE UNDERDRAIN AT PROPOSED LOW POINTS. SEE CONSTRUCTION DETAIL FOR ADDITIONAL INFORMATION. SEE MISCELLANEOUS QUANTITIES FOR LOCATIONS.

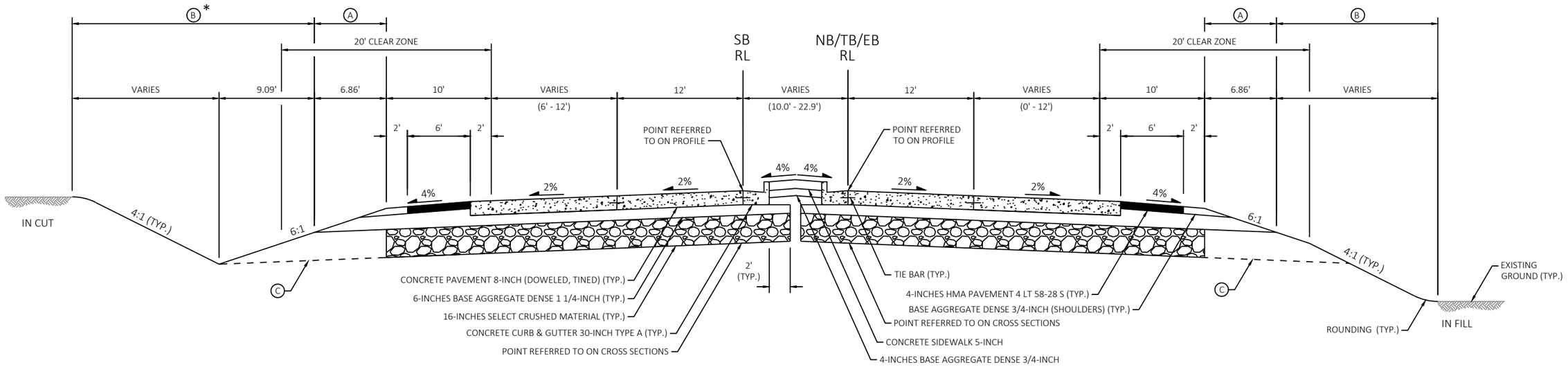
* IN HIGH SHEAR DITCH LOCATIONS, EXTEND THE FOLLOWING ITEMS UP THE FORESLOPE AND BACKSLOPE A MINIMUM OF 1 FOOT VERTICALLY FROM THE DITCH BOTTOM: TOPSOIL, EROSION MAT CLASS III TYPE C, EROSION MAT CLASS I TYPE B (FOR INITIAL EROSION PROTECTION), SEEDING MIXTURE NO. 30 & FERTILIZER TYPE B. SEE EROSION CONTROL SHEETS FOR LOCATION INFORMATION.



FINISHED TYPICAL SECTION - USH 51 (SIDEWALK)

STA. 832+61 NB - STA. 835+94 NB

PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	TYPICAL SECTIONS	SHEET 9	E



Ⓐ SEEDING MIXTURE NO. 30 & FERTILIZER TYPE B

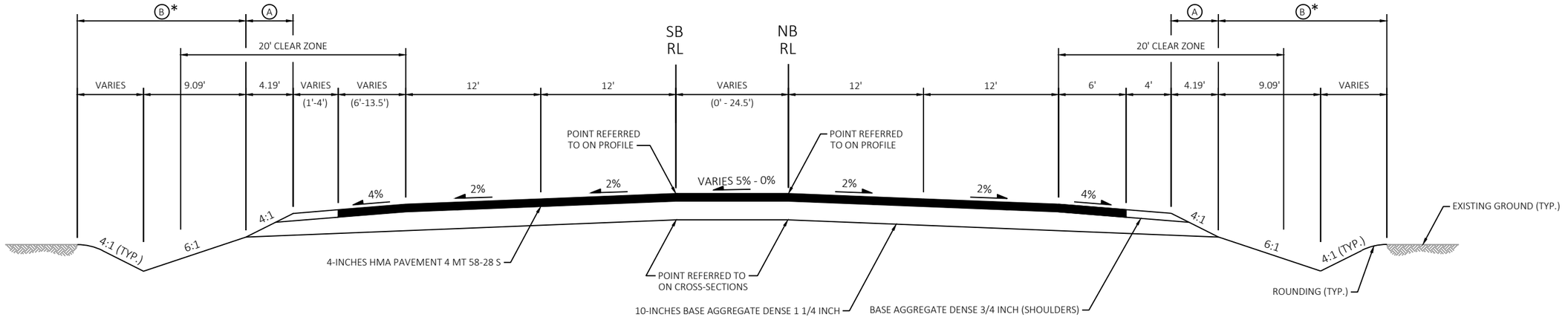
Ⓑ TOPSOIL, EROSION MAT CLASS I TYPE B, SEEDING MIXTURE NO. 30 & FERTILIZER TYPE B

Ⓒ CONSTRUCT RELIEF TRENCHES AT 250' INTERVALS AND AT PROFILE SAG POINTS - SEE CONSTRUCTION DETAILS FOR ADDITIONAL INFORMATION

* IN HIGH SHEAR DITCH LOCATIONS, EXTEND THE FOLLOWING ITEMS UP THE FORESLOPE AND BACKSLOPE A MINIMUM OF 1 FOOT VERTICALLY FROM THE DITCH BOTTOM: TOPSOIL, EROSION MAT CLASS III TYPE C, EROSION MAT CLASS I TYPE B (FOR INITIAL EROSION PROTECTION), SEEDING MIXTURE NO. 30 & FERTILIZER TYPE B. SEE EROSION CONTROL SHEETS FOR LOCATION INFORMATION.

FINISHED TYPICAL SECTION - USH 51

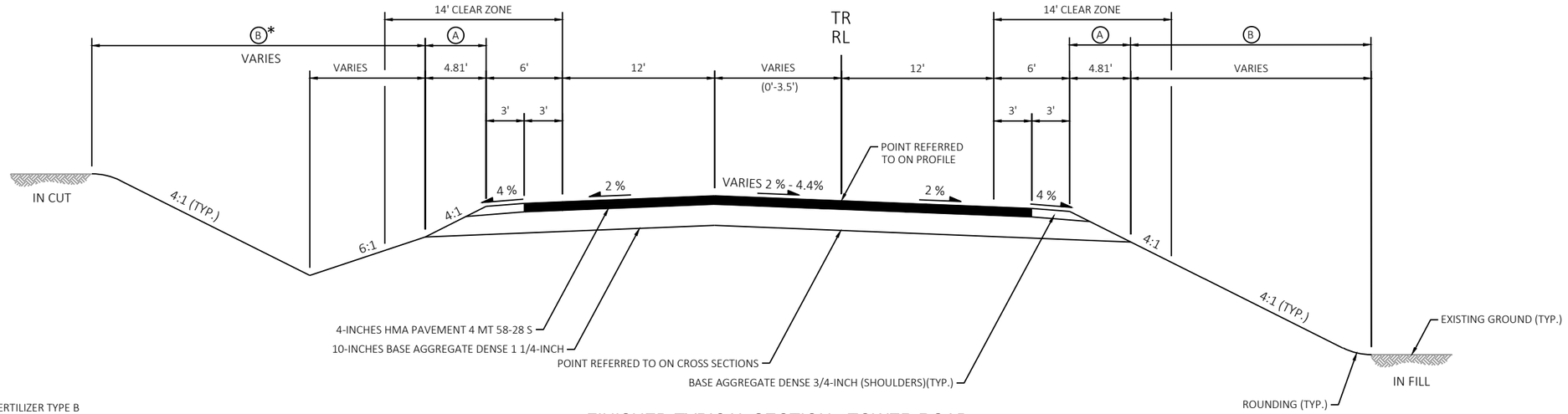
STA. 817+61 NB - STA. 829+22 NB



FINISHED TYPICAL SECTION - USH 51

STA. 835+94 NB - STA. 838+80 NB

PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	TYPICAL SECTIONS	SHEET 10	E



FINISHED TYPICAL SECTION - TOWER ROAD

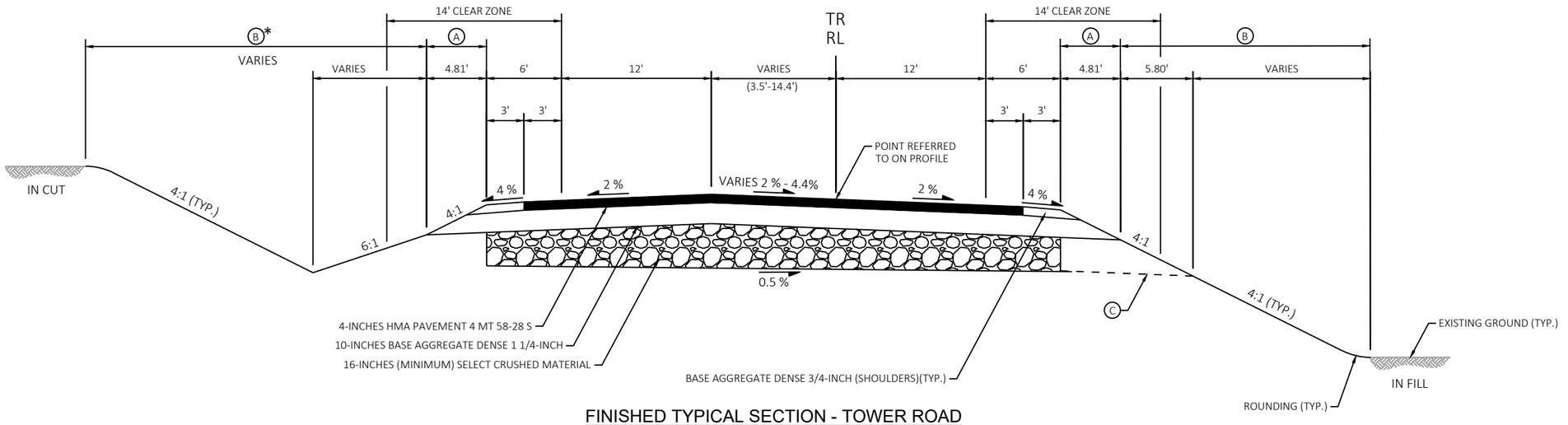
STA. 12+00 TR - STA. 13+00 TR

Ⓐ SEEDING MIXTURE NO. 30 & FERTILIZER TYPE B

Ⓑ TOPSOIL, EROSION MAT CLASS I TYPE B, SEEDING MIXTURE NO. 30 & FERTILIZER TYPE B

Ⓒ CONSTRUCT RELIEF TRENCHES AT 250' INTERVALS AND AT PROFILE SAG POINTS - SEE CONSTRUCTION DETAILS FOR ADDITIONAL INFORMATION

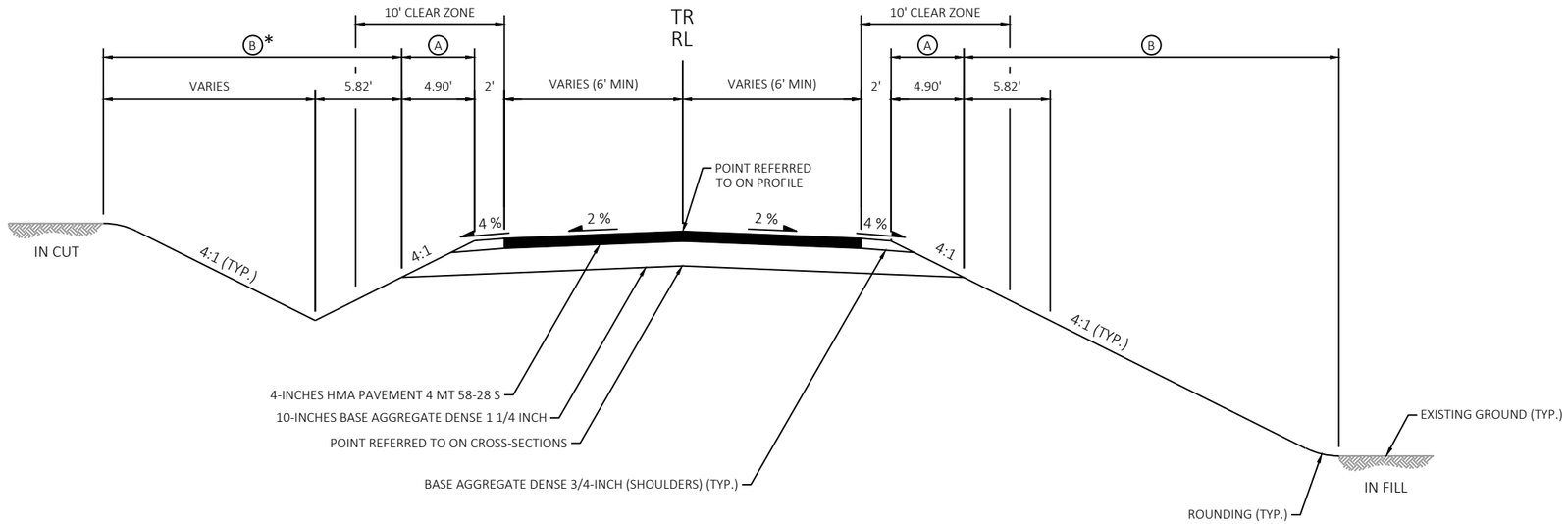
* IN HIGH SHEAR DITCH LOCATIONS, EXTEND THE FOLLOWING ITEMS UP THE FORESLOPE AND BACKSLOPE A MINIMUM OF 1 FOOT VERTICALLY FROM THE DITCH BOTTOM: TOPSOIL, EROSION MAT CLASS III TYPE C, EROSION MAT CLASS I TYPE B (FOR INITIAL EROSION PROTECTION), SEEDING MIXTURE NO. 30 & FERTILIZER TYPE B. SEE EROSION CONTROL SHEETS FOR LOCATION INFORMATION.



FINISHED TYPICAL SECTION - TOWER ROAD

STA. 13+00 TR - STA. 14+66 TR

2



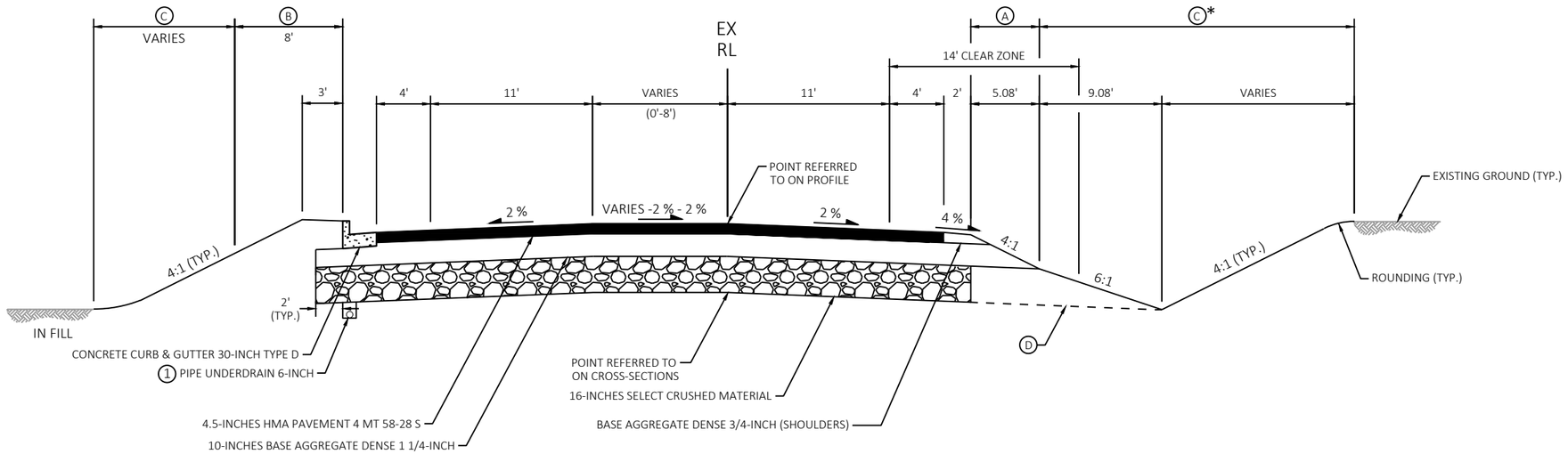
FINISHED TYPICAL SECTION - CRANE COURT

STA. 20+04 TR - STA. 21+50 TR

Ⓐ SEEDING MIXTURE NO. 30 & FERTILIZER TYPE B

Ⓑ TOPSOIL, EROSION MAT CLASS I TYPE B, SEEDING MIXTURE NO. 30 & FERTILIZER TYPE B

* IN HIGH SHEAR DITCH LOCATIONS, EXTEND THE FOLLOWING ITEMS UP THE FORESLOPE AND BACKSLOPE A MINIMUM OF 1 FOOT VERTICALLY FROM THE DITCH BOTTOM: TOPSOIL, EROSION MAT CLASS III TYPE C, EROSION MAT CLASS I TYPE B (FOR INITIAL EROSION PROTECTION), SEEDING MIXTURE NO. 30 & FERTILIZER TYPE B. SEE EROSION CONTROL SHEETS FOR LOCATION INFORMATION.



(A) SEEDING MIXTURE NO. 30 & FERTILIZER TYPE B

(B) TOPSOIL, EROSION MAT URBAN CLASS I TYPE A, SEEDING MIXTURE NO. 30 & FERTILIZER TYPE B

(C) TOPSOIL, EROSION MAT CLASS I TYPE B, SEEDING MIXTURE NO. 30 & FERTILIZER TYPE B

(D) CONSTRUCT RELIEF TRENCHES AT 250' INTERVALS AND AT PROFILE SAG POINTS - SEE CONSTRUCTION DETAILS FOR ADDITIONAL INFORMATION

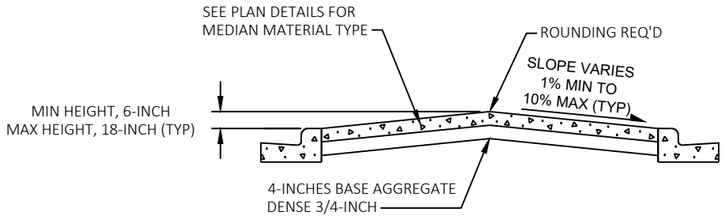
(1) INSTALL PIPE UNDERDRAIN AT PROPOSED LOW POINTS. SEE CONSTRUCTION DETAIL FOR ADDITIONAL INFORMATION. SEE MISCELLANEOUS QUANTITIES FOR LOCATIONS.

* IN HIGH SHEAR DITCH LOCATIONS, EXTEND THE FOLLOWING ITEMS UP THE FORESLOPE AND BACKSLOPE A MINIMUM OF 1 FOOT VERTICALLY FROM THE DITCH BOTTOM: TOPSOIL, EROSION MAT CLASS III TYPE C, EROSION MAT CLASS I TYPE B (FOR INITIAL EROSION PROTECTION), SEEDING MIXTURE NO. 30 & FERTILIZER TYPE B. SEE EROSION CONTROL SHEETS FOR LOCATION INFORMATION.

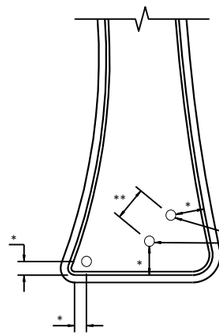
FINISHED TYPICAL SECTION - EXCHANGE STREET

STA. 11+02 EX - STA. 13+34 EX

2



SECTION A-A

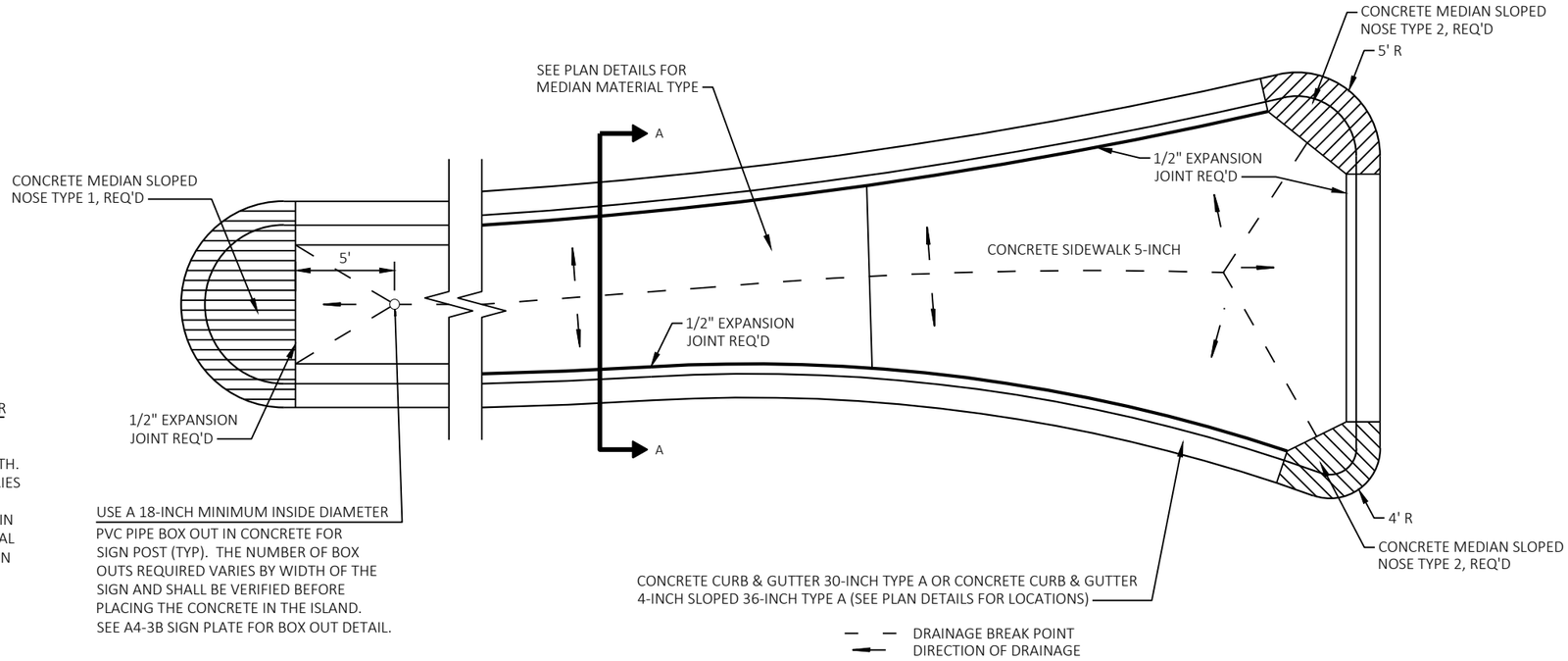


* DISTANCE TO BE LAID OUT IN THE FIELD BASED ON SIGN SIZE. TWO FOOT MINIMUM CLEARANCE BETWEEN THE EDGE OF SIGN AND THE FACE OF CURB.

** SEE A4-4 SIGN PLATE FOR POST SPACING REQUIREMENTS.

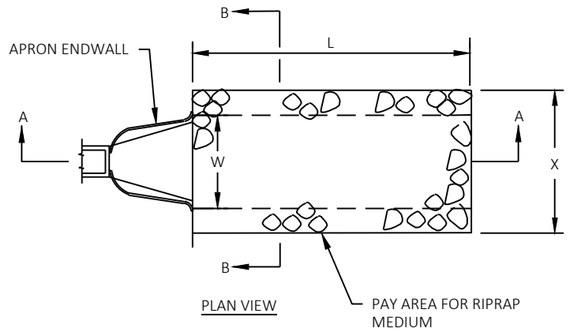
USE A 18-INCH MINIMUM INSIDE DIAMETER PVC PIPE BOX OUT IN CONCRETE FOR SIGN POST (TYP). PVC BOX OUT DEPTH SHOULD MATCH ADJACENT SIDEWALK DEPTH. THE NUMBER OF BOX OUTS REQUIRED VARIES BY WIDTH OF THE SIGN AND SHALL BE VERIFIED BEFORE PLACING THE CONCRETE IN THE ISLAND. GRAVEL BACKFILL IS INCIDENTAL TO THE SIGN POST BID ITEM. SEE A4-3B SIGN PLATE FOR BOX OUT DETAIL.

CENTER AND SPLITTER ISLAND SIGN LOCATION DETAIL (TYP)



SPLITTER ISLAND DETAIL

PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	CONSTRUCTION DETAILS	SHEET 14	E

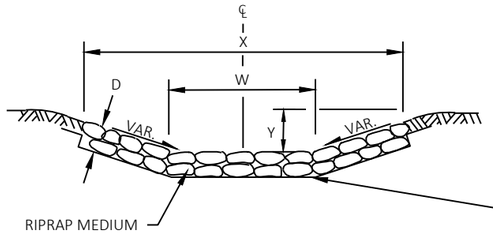


L = 3 x W (NOR.) OR 10' MIN. OR
AS INDICATED IN THE PLANS OR
AS DIRECTED BY THE ENGINEER.

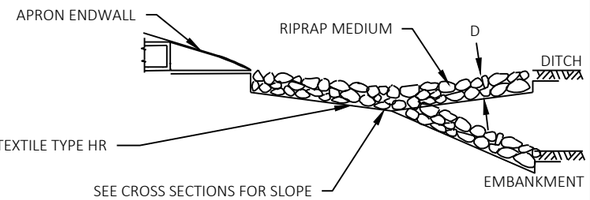
D = 18" FOR RIPRAP MEDIUM

X = W+2' FOR TYPICAL CULVERT
DISCHARGE INTO DITCH
W+4' FOR CULVERT DISCHARGE
DOWN EMBANKMENT SLOPE

Y = 0' FOR TYPICAL CULVERT
DISCHARGE INTO DITCH
12" FOR CULVERT DISCHARGE
DOWN EMBANKMENT SLOPE



SECTION B-B



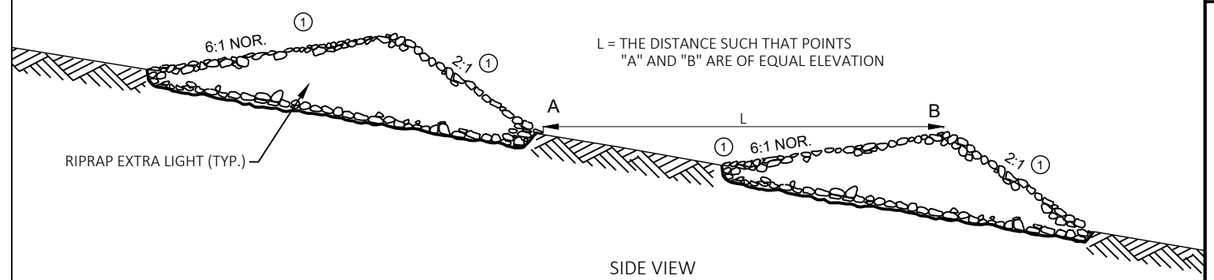
SECTION A-A

CONSTRUCTION NOTES:

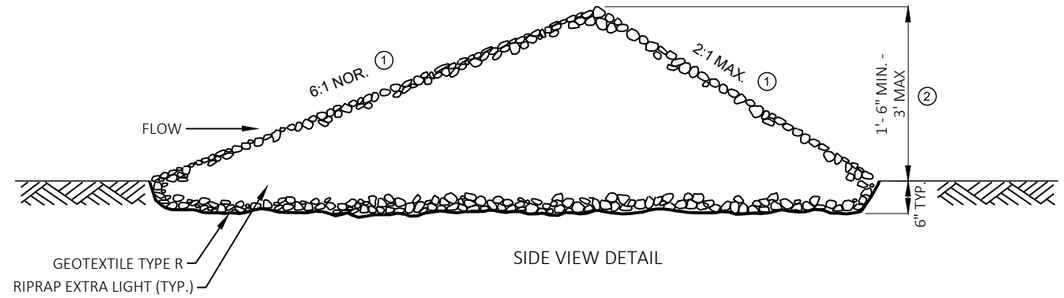
1. EXTEND GEOTEXTILE FABRIC BENEATH THE ENTIRE LENGTH OF THE APRON ENDWALL SECTION. INSTALL ON GRADE PRIOR TO ENDWALL INSTALLATION.

2. COMPLETE GEOTEXTILE FABRIC AND RIPRAP SECTION INSTALLATION PRIOR TO STORM WATER FLOW.

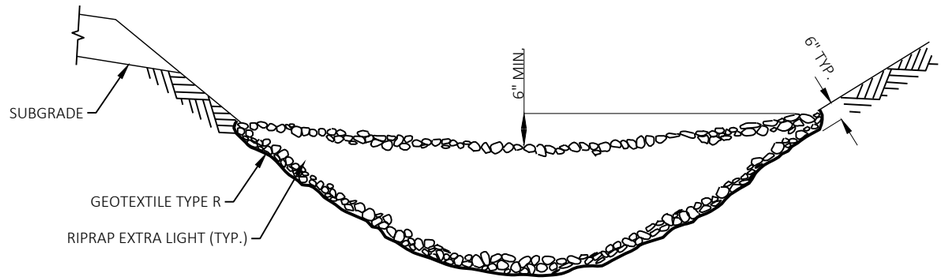
RIPRAP AND GEOTEXTILE DETAIL AT APRON ENDWALLS



SIDE VIEW



SIDE VIEW DETAIL

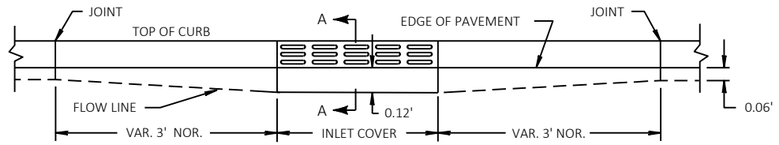


SECTION VIEW

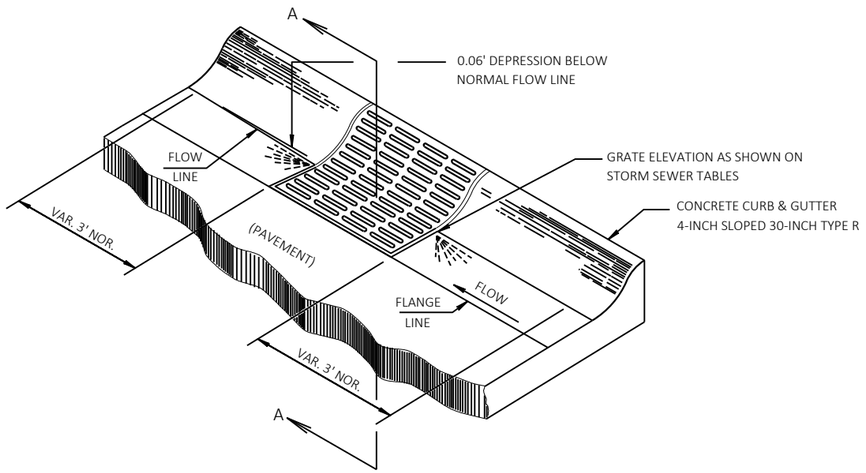
STONE DITCH CHECK (TEMPORARY)

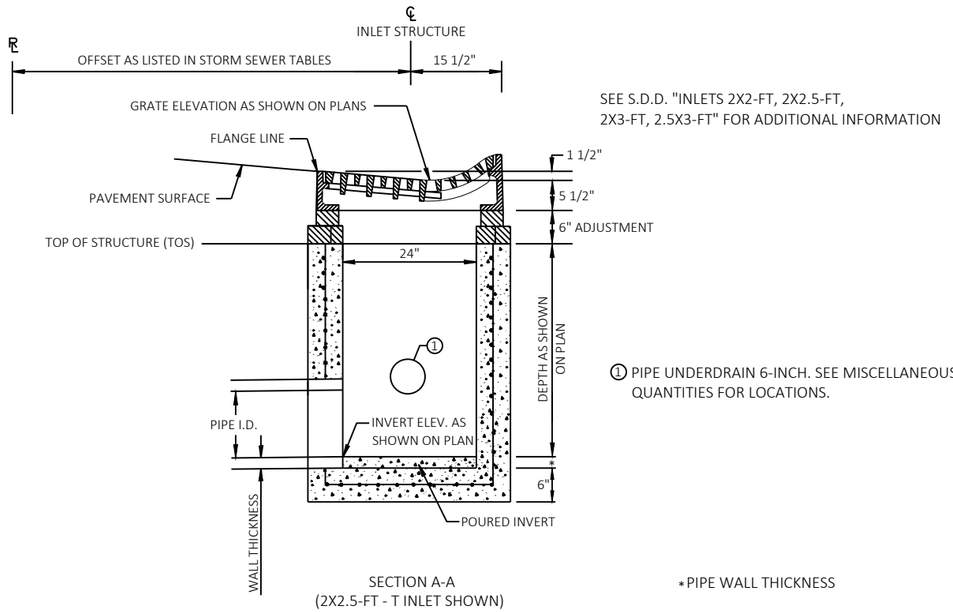
① WHEN PLACED WITHIN THE CLEAR ZONE, SLOPED AT 6:1 OR FLATTER.

② MEASURED AT THE CENTER OF THE DITCH CHECK.



ELEVATION





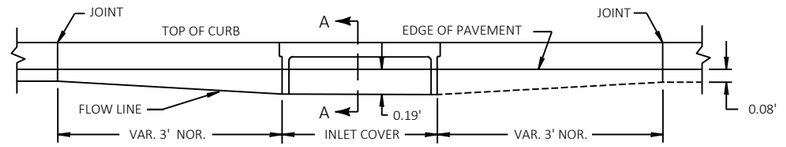
SECTION A-A
(2X2.5-FT - T INLET SHOWN)

SEE S.D.D. "INLETS 2X2-FT, 2X2.5-FT, 2X3-FT, 2.5X3-FT" FOR ADDITIONAL INFORMATION

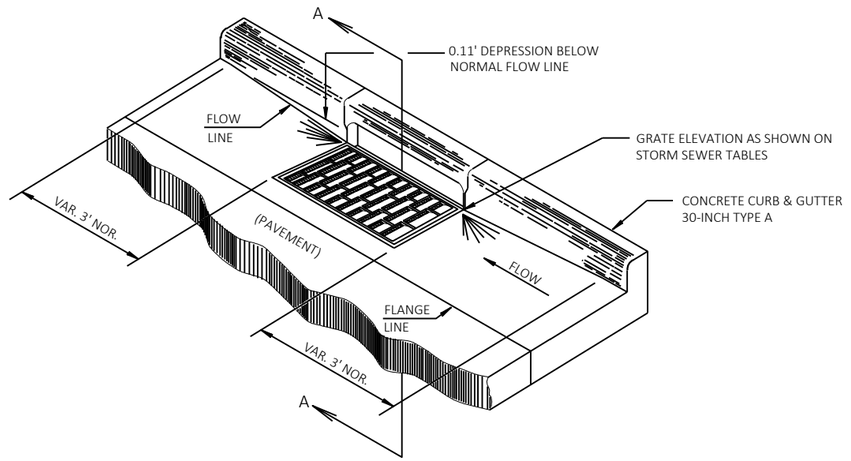
① PIPE UNDERDRAIN 6-INCH. SEE MISCELLANEOUS QUANTITIES FOR LOCATIONS.

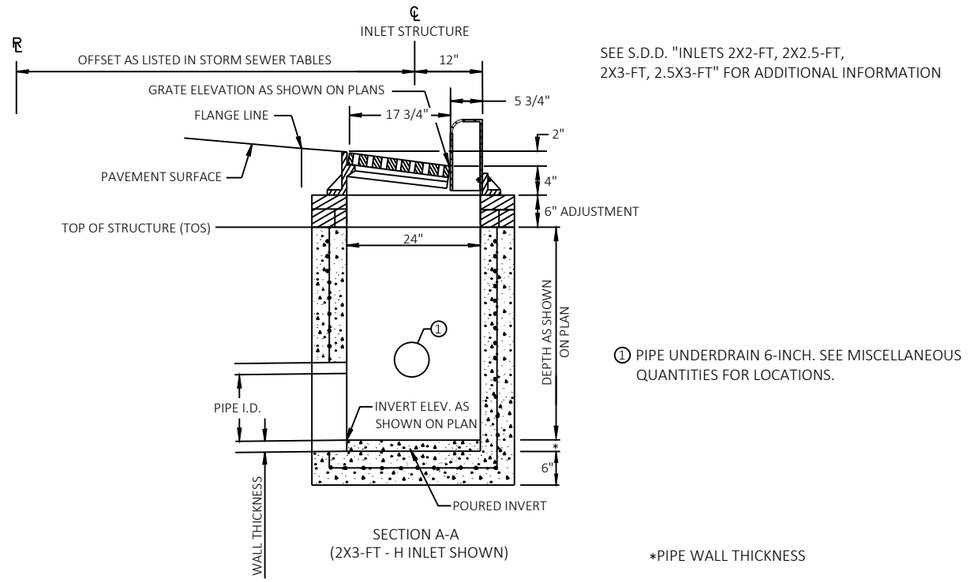
*PIPE WALL THICKNESS

DETAIL OF CONCRETE CURB & GUTTER 30-INCH TYPE R AT INLETS



ELEVATION





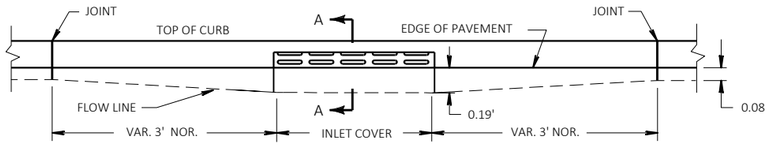
SECTION A-A
(2X3-FT - H INLET SHOWN)

SEE S.D.D. "INLETS 2X2-FT, 2X2.5-FT, 2X3-FT, 2.5X3-FT" FOR ADDITIONAL INFORMATION

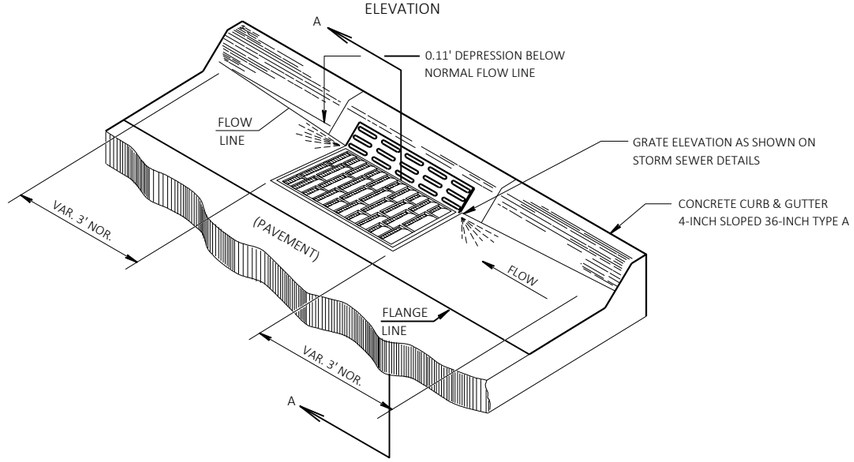
① PIPE UNDERDRAIN 6-INCH. SEE MISCELLANEOUS QUANTITIES FOR LOCATIONS.

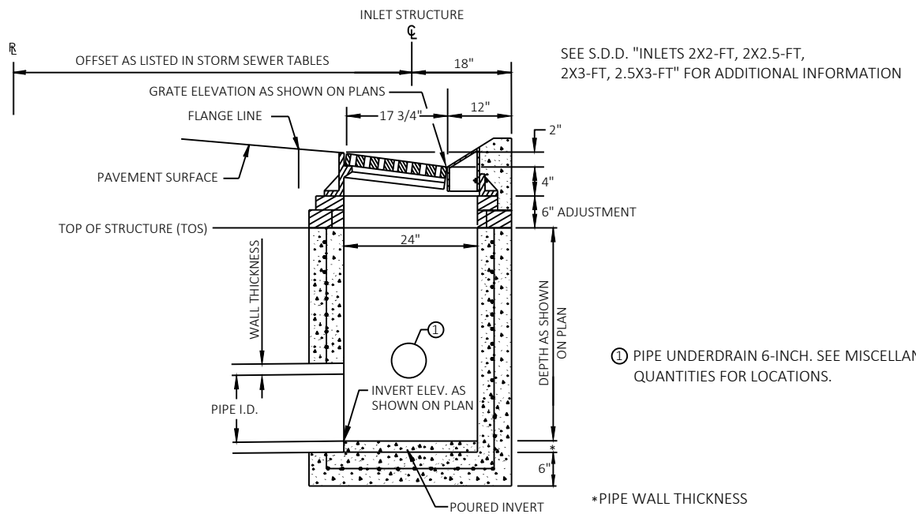
*PIPE WALL THICKNESS

DETAIL OF CONCRETE CURB & GUTTER 30-INCH TYPE A AT INLETS



ELEVATION





SEE S.D.D. "INLETS 2X2-FT, 2X2.5-FT, 2X3-FT, 2.5X3-FT" FOR ADDITIONAL INFORMATION

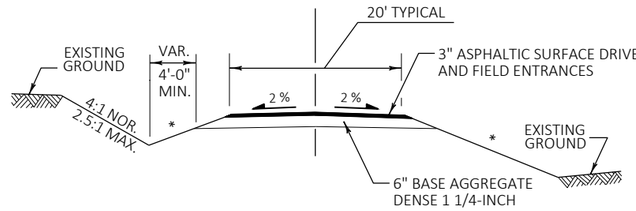
① PIPE UNDERDRAIN 6-INCH. SEE MISCELLANEOUS QUANTITIES FOR LOCATIONS.

*PIPE WALL THICKNESS

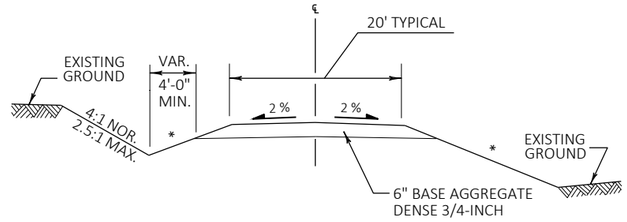
SECTION A-A
(2X3-FT - HM INLET SHOWN)

DETAIL OF CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE A AT INLETS

ASPHALTIC SURFACE



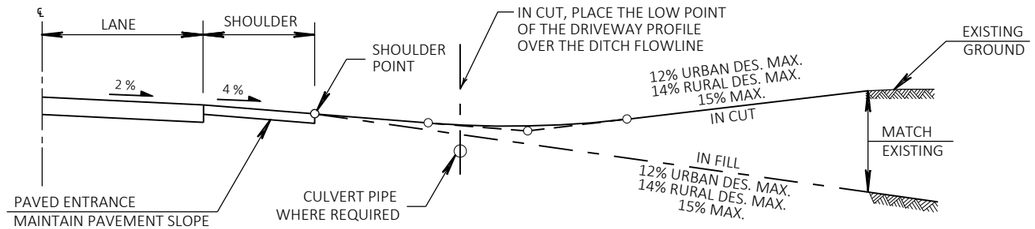
AGGREGATE SURFACE



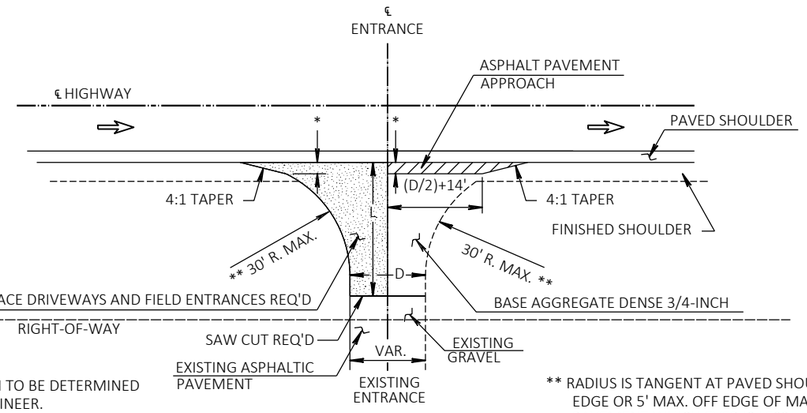
* SLOPE CAN VARY WITH SPEED. SEE 11-45-30.6.2

POSTED SPEED MPH	MAX. SLOPE
<35	4:1
≥ 35 TO < 60	6:1
≥ 60	10:1

TYPICAL CROSS SECTION



PROFILE VIEW



L=VARIABLE, EXACT LENGTH TO BE DETERMINED IN THE FIELD BY THE ENGINEER. BLEND BACK ON THE ENTRANCE FAR ENOUGH TO GET A SMOOTH PROFILE.

D=DRIVEWAY WIDTH
D=20'TYP.(PE's & FE's) (16'MIN.-24'MAX.)
D=28'TYP.(CE's & FARM ENT.) (24'MIN.-35'MAX.)

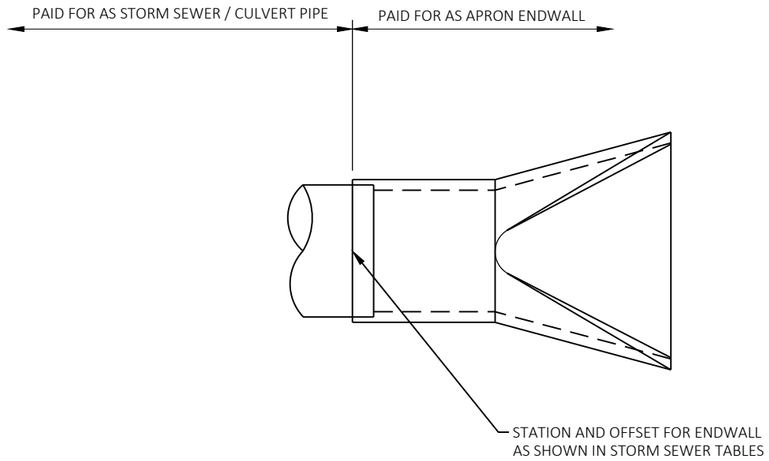
** RADIUS IS TANGENT AT PAVED SHOULDER EDGE OR 5' MAX. OFF EDGE OF MAIN LINE PAVEMENT WHICH EVER IS LESS.

* 3' MAX. OR TO FINISHED SHOULDER WHICH EVER IS LESS.

PLAN VIEW

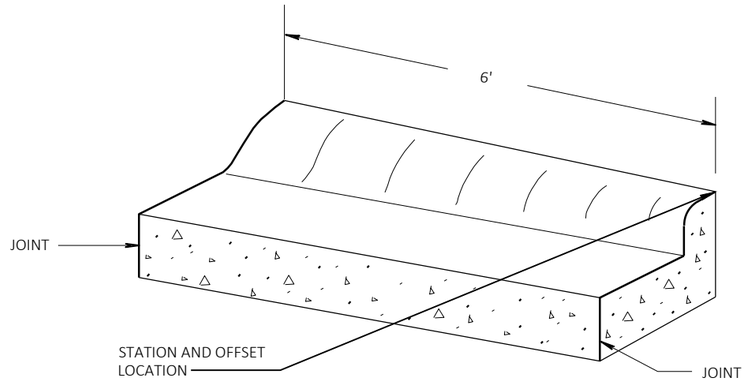
RURAL DRIVEWAY INTERSECTION DETAIL

(PE's, FE's & CE'S)
(FOR NEW CONSTRUCTION)



APRON ENDWALL DETAIL

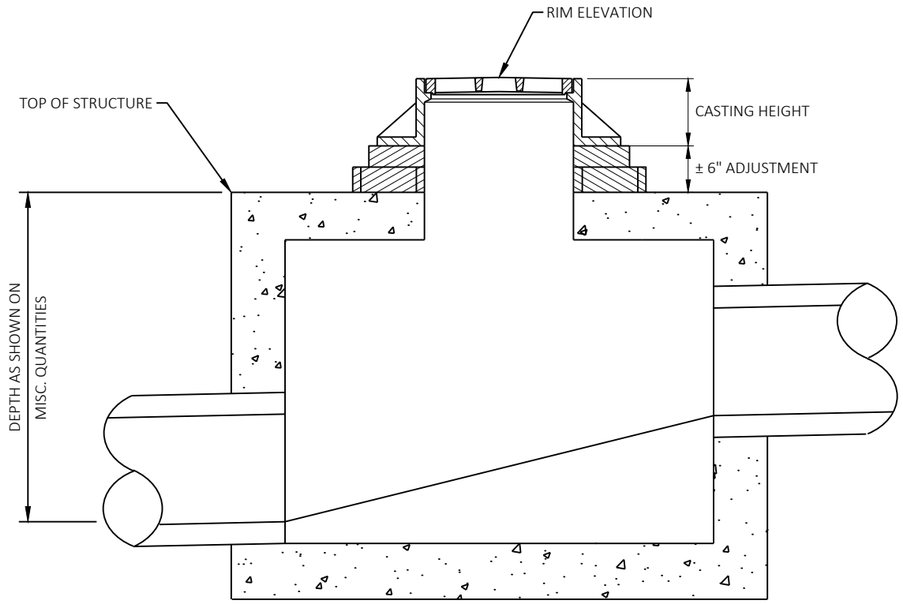
NOTE: CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE A TO CONCRETE CURB AND GUTTER 30-INCH TYPE A CURB & GUTTER (TO BE MEASURED & PAID FOR AS CONCRETE CURB AND GUTTER 4-INCH SLOPED 36-INCH TYPE A).



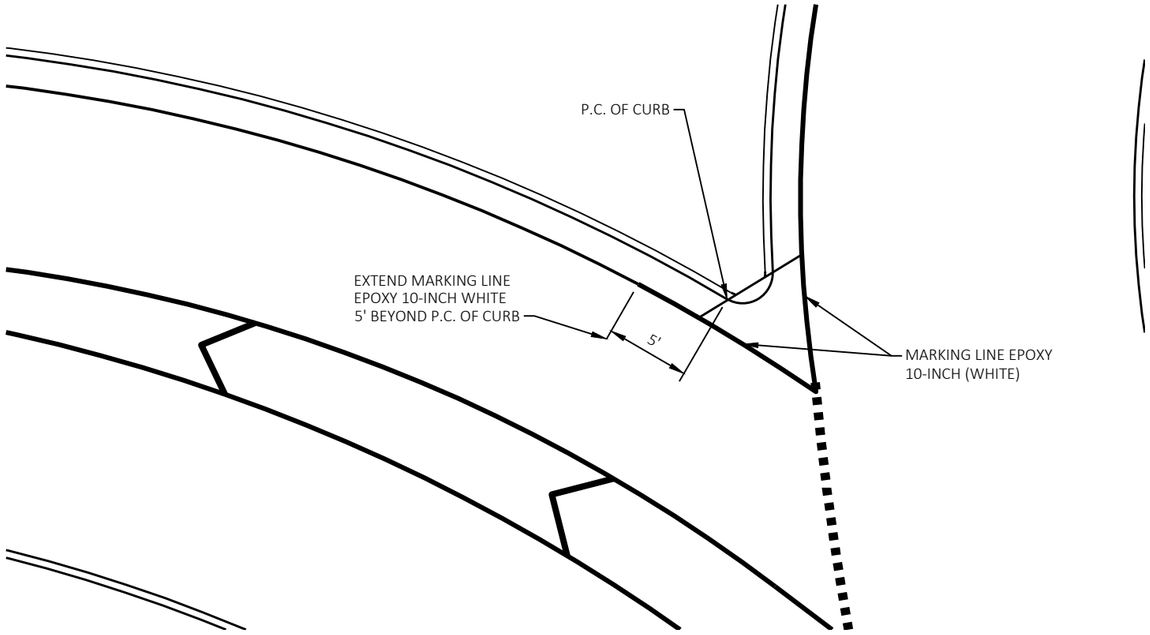
CONCRETE CURB & GUTTER TRANSITION DETAIL

STA. 11+74.57 TB, 2.5 LT
STA. 16+92.19 SB, 2.5 RT
STA. 15+71.13 TR, 2.5 LT
STA. 11+03.07 TG, 2.5 RT

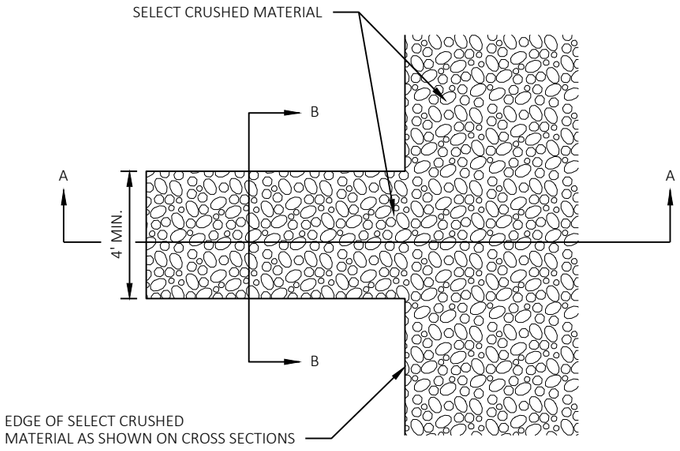
2



DETAIL FOR COMPUTING MANHOLE STRUCTURE ELEVATIONS



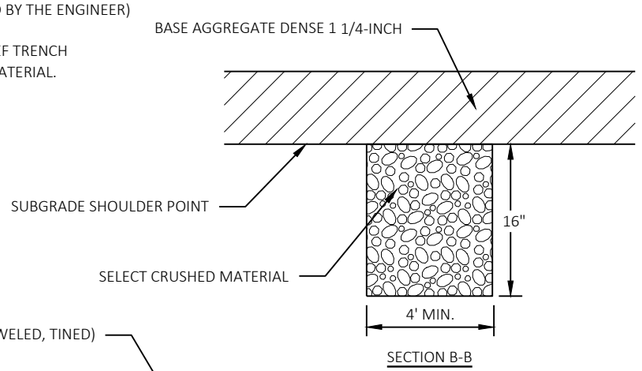
ROUNDABOUT MARKING DETAILS



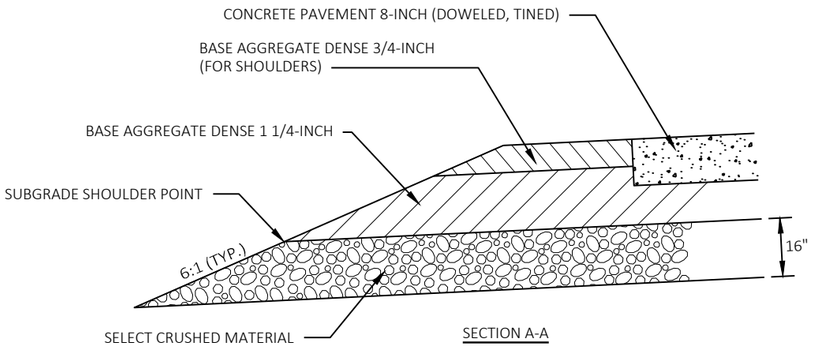
CONSTRUCT RELIEF TRENCHES AT LEAST EVERY 250'
AND AT EACH SAG VERTICAL CURVE IN THE PROFILE.

(LOCATIONS TO BE DETERMINED IN THE FIELD BY THE ENGINEER)

EXCAVATION REQUIRED TO CONSTRUCT RELIEF TRENCH
IS INCLUDED IN BID ITEM SELECT CRUSHED MATERIAL.

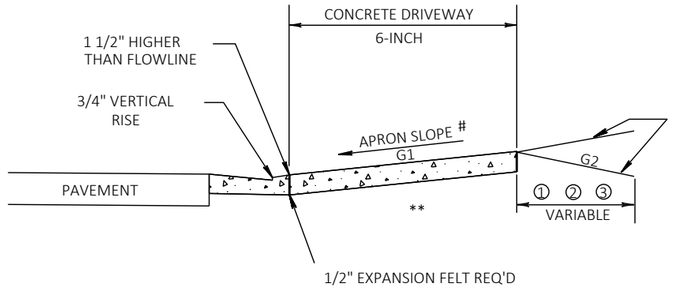


SECTION B-B



SECTION A-A

RELIEF TRENCH DETAIL



① — CONCRETE DRIVEWAY 6-INCH OR
CONCRETE DRIVEWAY HES 6-INCH

② — 6-INCH BASE AGG. DENSE 3/4-INCH

③ — 6-INCH BASE AGG. DENSE 1 1/4-INCH
BASE WITH 3" ASPHALTIC SURFACE
DRIVEWAYS AND FIELD ENTRANCES

TYPICAL SECTION

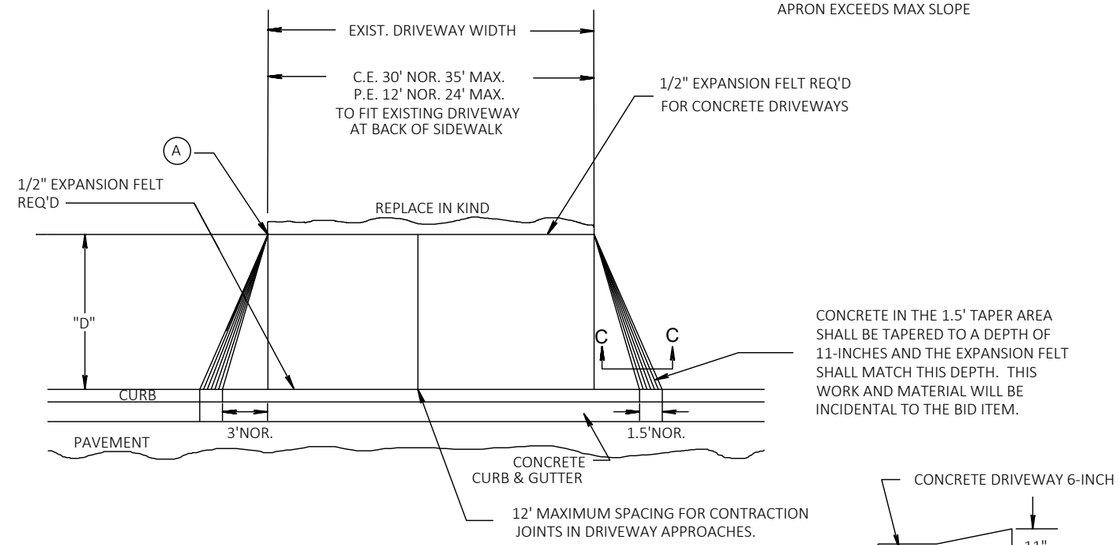
** = 6-INCH BASE AGGREGATE DENSE 1 1/4-INCH
REQUIRED UNDER CONCRETE DRIVEWAY

\#

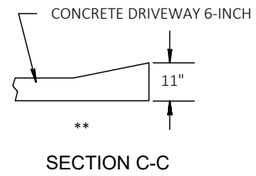
TERRACE WIDTH	APRON SLOPE (G1) MIN %	DESIRABLE %	MAX %
3 FT	7.0	8.5	9.0
4 FT	5.0	7.0	9.0
5 FT	4.0	7.0	9.0
6 FT	4.0	7.0	9.0
7 FT	3.5	7.0	9.0
8 FT	3.0	7.0	9.0

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

DEPRESS SIDEWALK PROFILE IF DRIVEWAY
APRON EXCEEDS MAX SLOPE



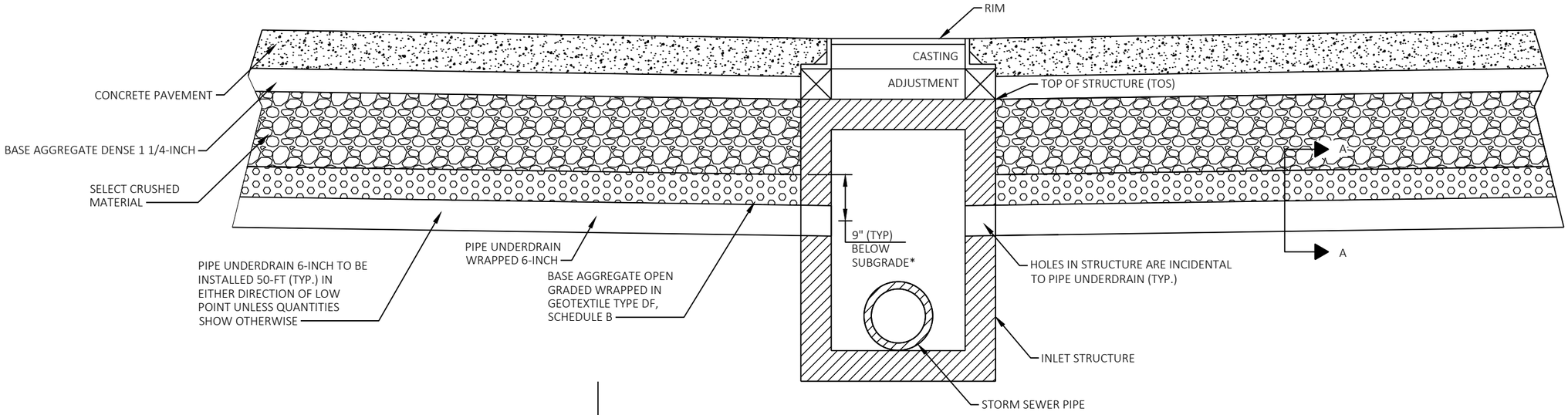
PLAN VIEW



SECTION C-C

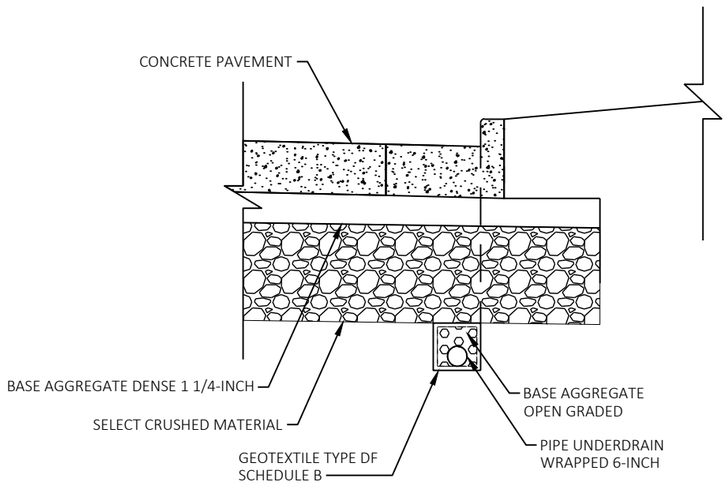
DRIVEWAY ENTRANCE DETAIL WITH CURB & GUTTER

2

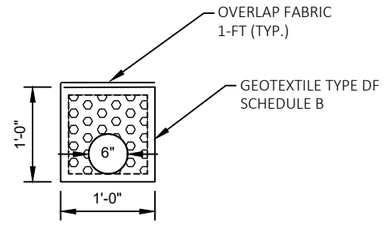


PIPE UNDERDRAIN 6-INCH WITH GEOTEXTILE FABRIC AND AGGREGATE PROFILE VIEW

*IF EBS REQUIRED, UNDERDRAIN TO BE INSTALLED BELOW BOTTOM OF EBS EXCAVATION



PIPE UNDERDRAIN 6-INCH WITH GEOTEXTILE FABRIC AND AGGREGATE CROSS SECTION



SECTION A-A

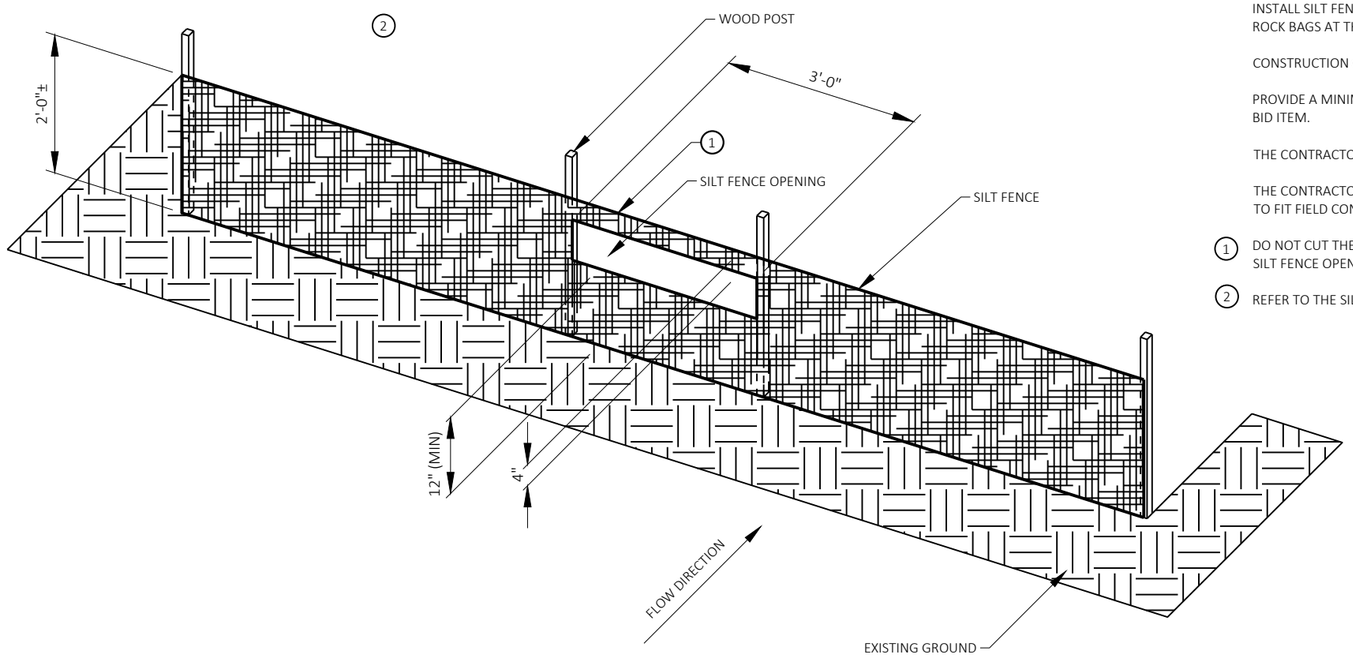
PIPE UNDERDRAIN 6-INCH WRAPPED ENCLOSED IN A 1'-0" x 1'-0" AREA OF BASE AGGREGATE OPEN GRADED WRAPPED IN GEOTEXTILE TYPE DF, SCHEDULE B.

NOTES:

PIPE UNDERDRAIN IS TO BE DISCHARGED INTO A STORM SEWER STRUCTURE.
SEE MISCELLANEOUS QUANTITIES FOR LOCATIONS.

PIPE UNDERDRAIN 6-INCH WITH GEOTEXTILE FABRIC AND AGGREGATE DETAIL

2



GENERAL NOTES

THE SILT FENCE RELIEF DETAIL IS A SUPPLEMENTAL DETAIL TO THE SILT FENCE STANDARD DETAILS AND SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

INSTALL SILT FENCE PRIOR TO CONSTRUCTING THE SILT FENCE OPENING. PRIOR TO CONSTRUCTING THE SILT FENCE OPENING, PLACE ROCK BAGS AT THE SILT FENCE OPENING AS SHOWN IN THIS DETAIL.

CONSTRUCTION OF THE SILT FENCE OPENING SHALL BE INCIDENTAL TO THE COST OF THE SILT FENCE BID ITEM.

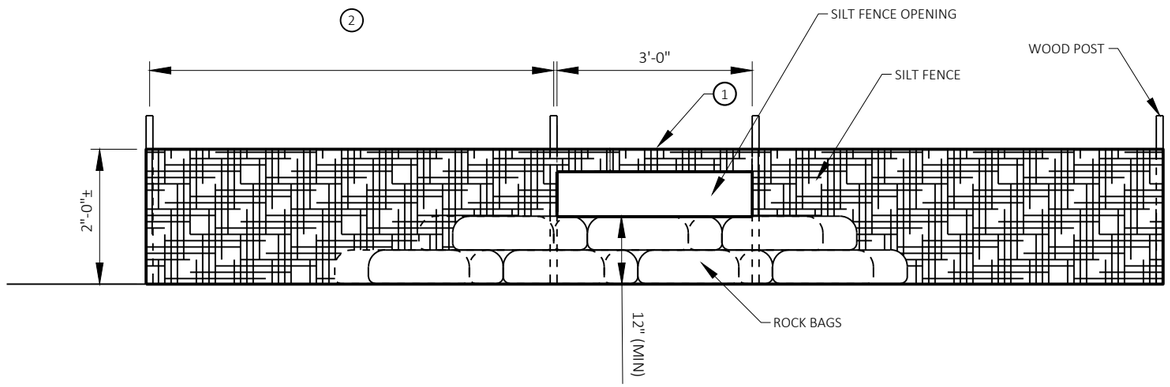
PROVIDE A MINIMUM OF 22 ROCK BAGS PER 3 FOOT OPENING. ROCK BAGS SHALL BE PAID UNDER THE ROCK BAGS BID ITEM.

THE CONTRACTOR SHALL LOCATE SILT FENCE RELIEF OPENINGS AT SILT FENCE LOW POINTS AND AS DIRECTED BY THE FIELD ENGINEER.

THE CONTRACTOR SHALL ADJUST THE SILT FENCE RELIEF OPENINGS WITHIN THE SILT FENCE AS NECESSARY TO PROVIDE RELIEF: TO FIT FIELD CONDITIONS AND AS DIRECTED BY THE FIELD ENGINEER.

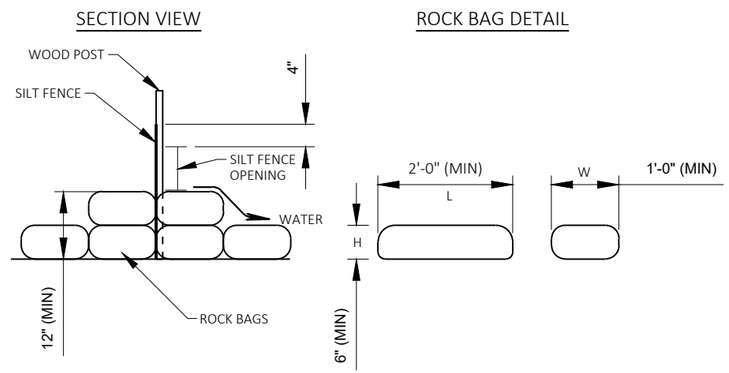
(1) DO NOT CUT THE SUPPORT CORD OR TENSION TAPE WHEN CONSTRUCTING THE SILT FENCE OPENING. KEEP THE TOP OF THE SILT FENCE OPENING 1"± BELOW THE 3" FOLD AT THE SUPPORT CORD OR TENSION TAPE.

(2) REFER TO THE SILT FENCE STANDARD DETAILS FOR ALLOWABLE ADJUSTMENTS TO POST SPACING.



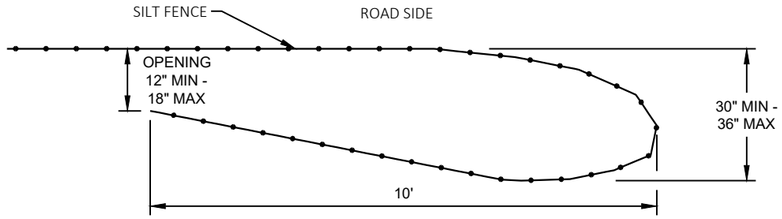
SILT FENCE RELIEF DETAIL

SEE EROSION CONTROL PLANS FOR LOCATIONS



PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	CONSTRUCTION DETAILS	SHEET 21	E

2



TEMPORARY TURTLE TURN-AROUND

SEE EROSION CONTROL PLAN
FOR LOCATION INFORMATION

NOTE:
SILT FENCE POST FOR THE TURN-AROUND SHOULD BE ON THE OUTSIDE OF THE TURN-AROUND AND TRENCHED IN ACCORDANCE WITH SILT FENCE REQUIREMENTS. TURN AROUND TO BE PAID AS "SILT FENCE".

2

N

TOWER ROAD

USH 51 SB

USH 51 NB

CRANE COURT

889.09 890.45 890.32 890.73 890.83 890.29 890.64 890.70 891.10 891.26 891.48 891.33 892.52 891.63 890.39 890.10 889.77 890.69 890.39 889.01 889.42 889.85 890.00 890.30 889.20 889.56 889.38 889.44 887.50 888.47 888.95 887.98 888.87 889.39 889.73 890.15 890.60 890.98 891.42 891.57 891.33 889.44 889.18 889.36 890.10 889.71 890.60 890.90 891.72 891.57 891.13 891.28

2.0% 1.5% 1.0% 0.5%

LEGEND

- 8XX.XX — PROPOSED ELEVATION
- FLOW ARROW
- INLET
- TRAFFIC FLOW ARROW

NOTE: ELEVATIONS ALONG OUTER CURB LINES CORRESPOND TO SUPPLEMENTAL PROFILE POINTS OF INFLECTION.

PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	INTERSECTION DETAILS - TOWER ROAD ROUNDABOUT CIRCULATORY ROADWAY JOINTING	SHEET 23	E

FILE NAME : S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\021101-ID.DWG
LAYOUT NAME - 021201-id

PLOT DATE : 7/28/2025 10:52 AM PLOT BY : KOWALSKI, NICK PLOT NAME : PLOT SCALE : 1 IN:50 FT

2

N

USH 51 SB

USH 51 NB

EXCHANGE STREET

858.22 858.03 858.37 858.07 857.35 857.50 856.61 856.21 855.54 858.53 858.23 857.20 856.61 856.91 856.51 856.02 857.92 859.04 857.62 857.11 855.97 856.27 858.48 857.62 857.32 856.68 856.34 855.97 856.98 856.64 856.27 855.76 856.83 856.48 856.12 856.58 856.30 856.88 857.13 856.89 856.57 856.96 857.19 856.88 857.21

1EA 10' 7' 13' 1.5% 2.0% 1.0% 12' 14' 10EE 11EE 12EE 13EE 14EE 15EE 16EE 17EB 18EB 19EB 10EB 11EB 12EB 13EB 14EB 15EB 10EC 11EC 12EC 13EA 11EA 10EA 11' 33SB 34SB 35SB 36SB 37SB 38SB 39SB 40SB

LEGEND

- 8XX.XX — PROPOSED ELEVATION
- FLOW ARROW
- INLET
- TRAFFIC FLOW ARROW

NOTE: ELEVATIONS ALONG OUTER CURB LINES CORRESPOND TO SUPPLEMENTAL PROFILE POINTS OF INFLECTION.

PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	INTERSECTION DETAILS - EXCHANGE ST. ROUNDABOUT CIRCULATORY ROADWAY JOINTING	SHEET 24	E

FILE NAME : S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\021101-ID.DWG
LAYOUT NAME - 021202-id
PLOT DATE : 7/28/2025 10:52 AM PLOT BY : KOWALSKI, NICK PLOT NAME : PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 42

2

2

N

TLE

+54 NB

R/W

+30 NB

TLE

FLAG

SIGN

USH 51

805+00 NB

MATCH LINE 809+50

SIGN

SIGN

SIGN

+81 NB

+22 NB

+06 NB

R/W

SLOPE INTERCEPT (TYP.)

TLE

1 REMOVING SMALL PIPE CULVERT REQ'D
2 REMOVING FENCE REQ'D
GRUBBING REQ'D

+23 NB

MATCHLINE 17+15 TR

N

PRIVATE SIGN TO REMAIN

TLE

PLE

SIGN

+57 NB

+36 NB

+46 NB

R/W

+33 NB

+40 NB

POSTS

POSTS

1

SIGN

SIGN

TR ALIGNMENT

TOWER ROAD

MATCH LINE 809+50

USH 51

810+00 NB

815+00 NB

MATCH LINE 816+50

SIGN

+08 NB

SIGN

SIGN

SIGN

SIGN

1

CRANE COURT

R/W

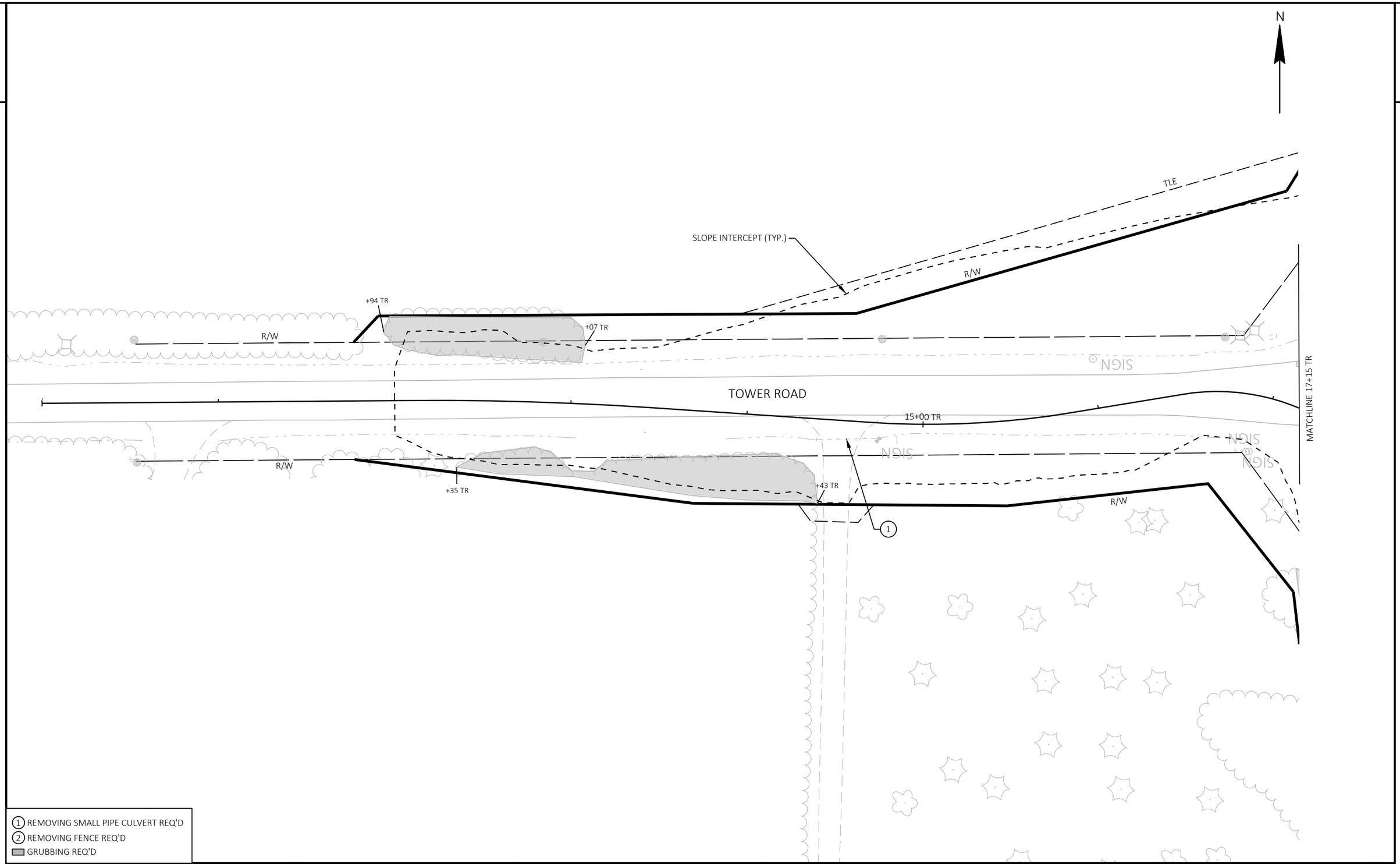
R/W

SLOPE INTERCEPT (TYP.)

PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	REMOVAL DETAILS	SHEET 25	E

FILE NAME : S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\021101-RM.DWG
LAYOUT NAME - 021101-rm
PLOT DATE : 7/31/2025 3:07 PM
PLOT BY : HABERKORN, DEVEN
PLOT NAME :
PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 44

2



1 REMOVING SMALL PIPE CULVERT REQ'D
2 REMOVING FENCE REQ'D
GRUBBING REQ'D

PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	REMOVAL DETAILS	SHEET 26	E

FILE NAME : S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\021101-RM.DWG
LAYOUT NAME - 021104-rm
PLOT DATE : 7/31/2025 3:07 PM PLOT BY : HABERKORN, DEVEN PLOT NAME : PLOT SCALE : 1 IN:50 FT

2

N

R/W

TLE

R/W

R/W

STA 823+01.44, -126.28' LT

STA 823+43.10, -89.29' LT

SIGN

SIGN

SIGN

USH 51

MATCH LINE 816+50

820+00 NB

SIGN

SIGN

R/W

SLOPE INTERCEPT (TYP.)

MATCH LINE 823+50

2

1 REMOVING SMALL PIPE CULVERT REQ'D
2 REMOVING FENCE REQ'D
GRUBBING REQ'D

R/W

TLE

R/W

+33 NB

+81 NB

N

+56 NB

+20 NB

SIGN

SIGN

1

1

SLOPE INTERCEPT (TYP.)

USH 51

MATCH LINE 823+50

825+00 NB

830+00 NB

MATCH LINE 830+50

1

SIGN

+24 NB

+11 NB

+55 NB

+55 NB

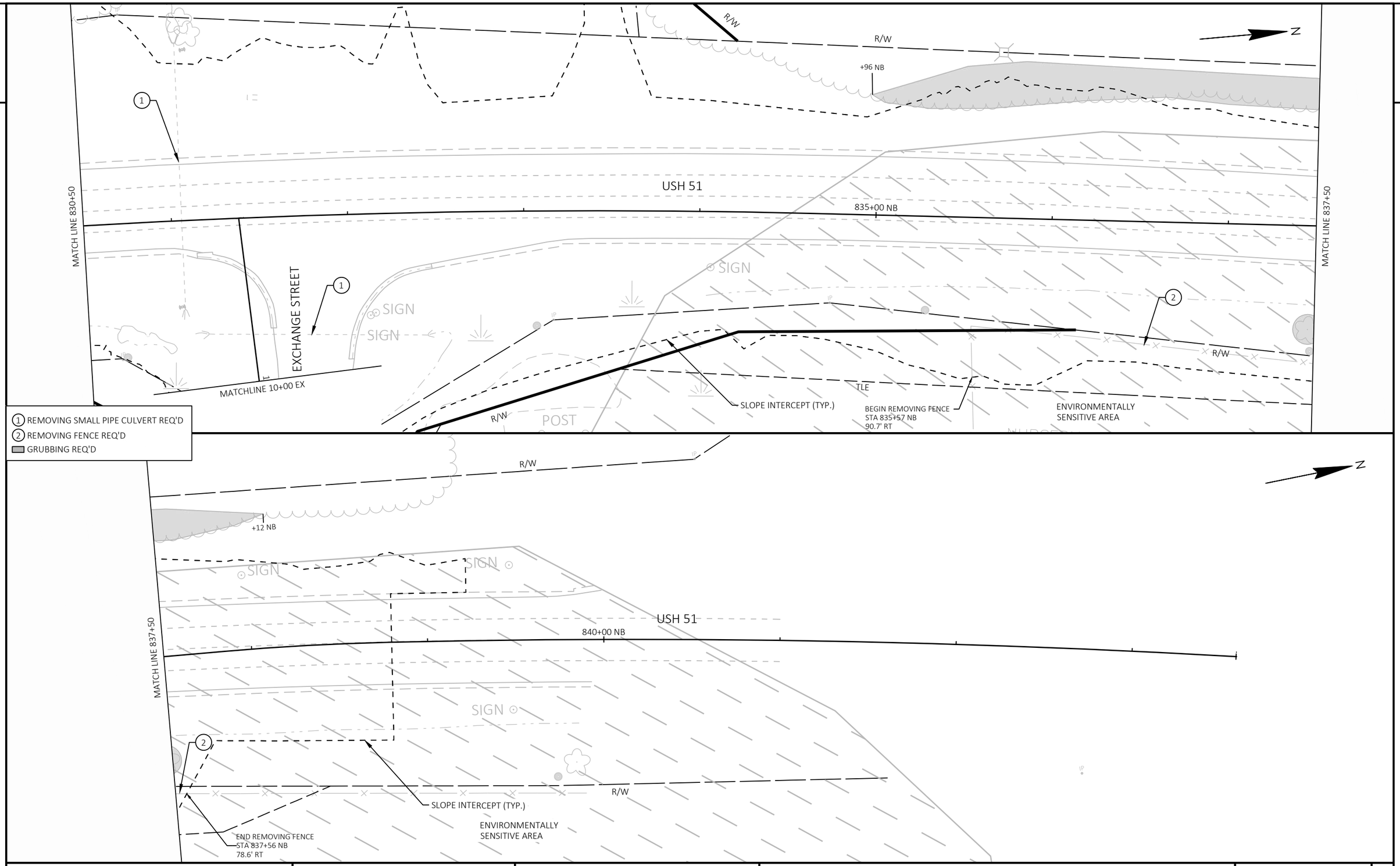
R/W

TLE

ENVIRONMENTALLY
SENSITIVE AREA

PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	REMOVAL DETAILS	SHEET 27	E

2



1. REMOVING SMALL PIPE CULVERT REQ'D
2. REMOVING FENCE REQ'D
- GRUBBING REQ'D

PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	REMOVAL DETAILS	SHEET 28	E

FILE NAME : S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\021101-RM.DWG
LAYOUT NAME - 021103-rm
PLOT DATE : 7/31/2025 3:07 PM
PLOT BY : HABERKORN, DEVEN
PLOT NAME :
PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 44

2

2

N

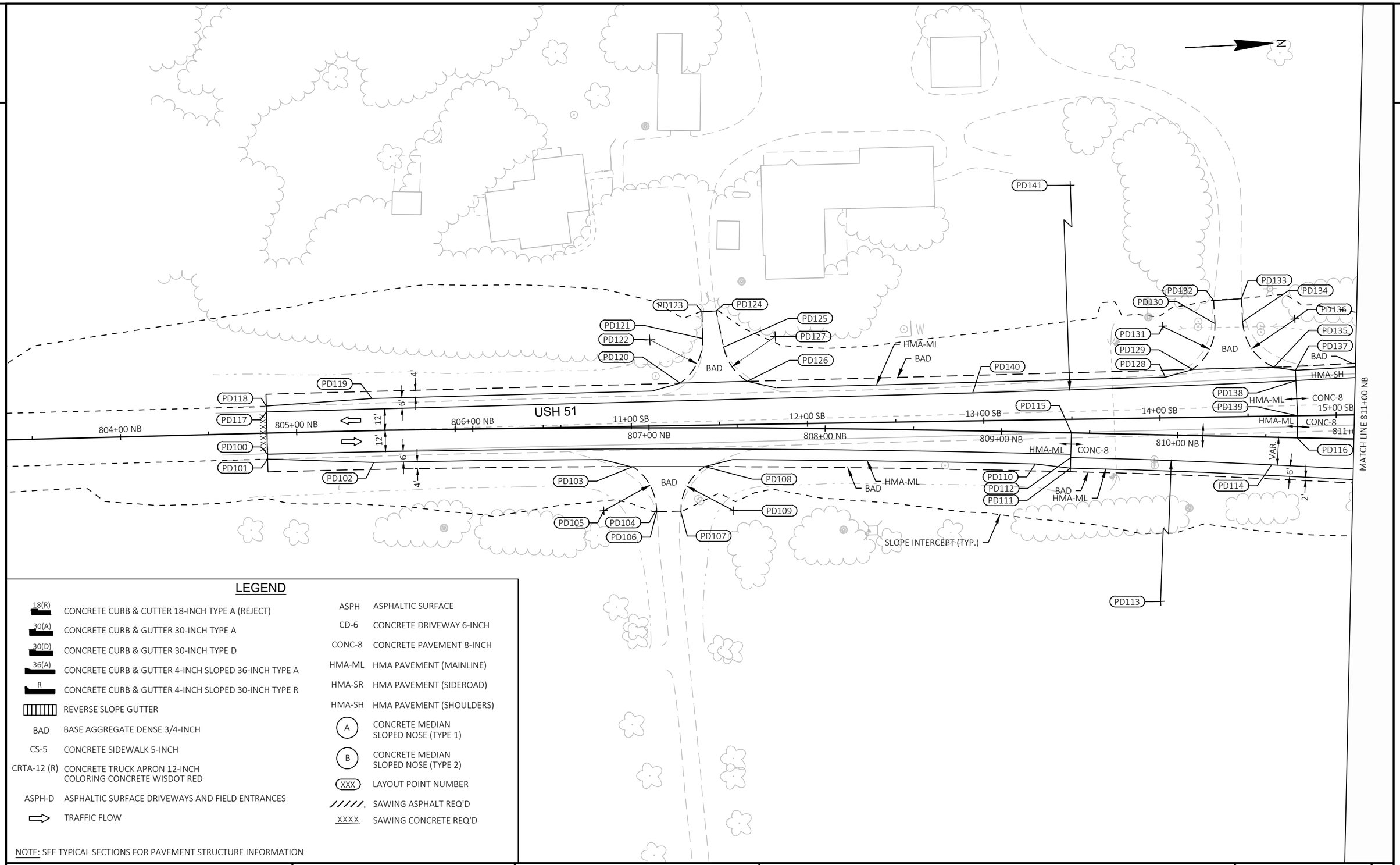
POST
POST
POST
SEPC
SEPV
SIGN
SIGN
U/C
P.L.
W
NURSERY
POST POST
R/W
TLE
1
SLOPE INTERCEPT (TYP.)
R/W
EXCHANGE STREET
SIGN
MATCHLINE 10+00 EX
+50 EX
R/W
+52 EX
R/W
ENVIRONMENTALLY
SENSITIVE AREA

1 REMOVING SMALL PIPE CULVERT REQ'D
2 REMOVING FENCE REQ'D
GRUBBING REQ'D

PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	REMOVAL DETAILS	SHEET 29	E

FILE NAME : S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\021101-RM.DWG
LAYOUT NAME - 021105-rm
PLOT DATE : 7/31/2025 3:07 PM
PLOT BY : HABERKORN, DEVEN
PLOT NAME :
PLOT SCALE : 1 IN:50 FT

2



LEGEND

18(R)	CONCRETE CURB & CUTTER 18-INCH TYPE A (REJECT)
30(A)	CONCRETE CURB & GUTTER 30-INCH TYPE A
30(D)	CONCRETE CURB & GUTTER 30-INCH TYPE D
36(A)	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE A
R	CONCRETE CURB & GUTTER 4-INCH SLOPED 30-INCH TYPE R
	REVERSE SLOPE GUTTER
BAD	BASE AGGREGATE DENSE 3/4-INCH
CS-5	CONCRETE SIDEWALK 5-INCH
CRTA-12 (R)	CONCRETE TRUCK APRON 12-INCH COLORING CONCRETE WISDOT RED
ASPH-D	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
	TRAFFIC FLOW

ASPH	ASPHALTIC SURFACE
CD-6	CONCRETE DRIVEWAY 6-INCH
CONC-8	CONCRETE PAVEMENT 8-INCH
HMA-ML	HMA PAVEMENT (MAINLINE)
HMA-SR	HMA PAVEMENT (SIDEROAD)
HMA-SH	HMA PAVEMENT (SHOULDERS)
A	CONCRETE MEDIAN SLOPED NOSE (TYPE 1)
B	CONCRETE MEDIAN SLOPED NOSE (TYPE 2)
XXX	LAYOUT POINT NUMBER
	SAWING ASPHALT REQ'D
XXXX	SAWING CONCRETE REQ'D

NOTE: SEE TYPICAL SECTIONS FOR PAVEMENT STRUCTURE INFORMATION

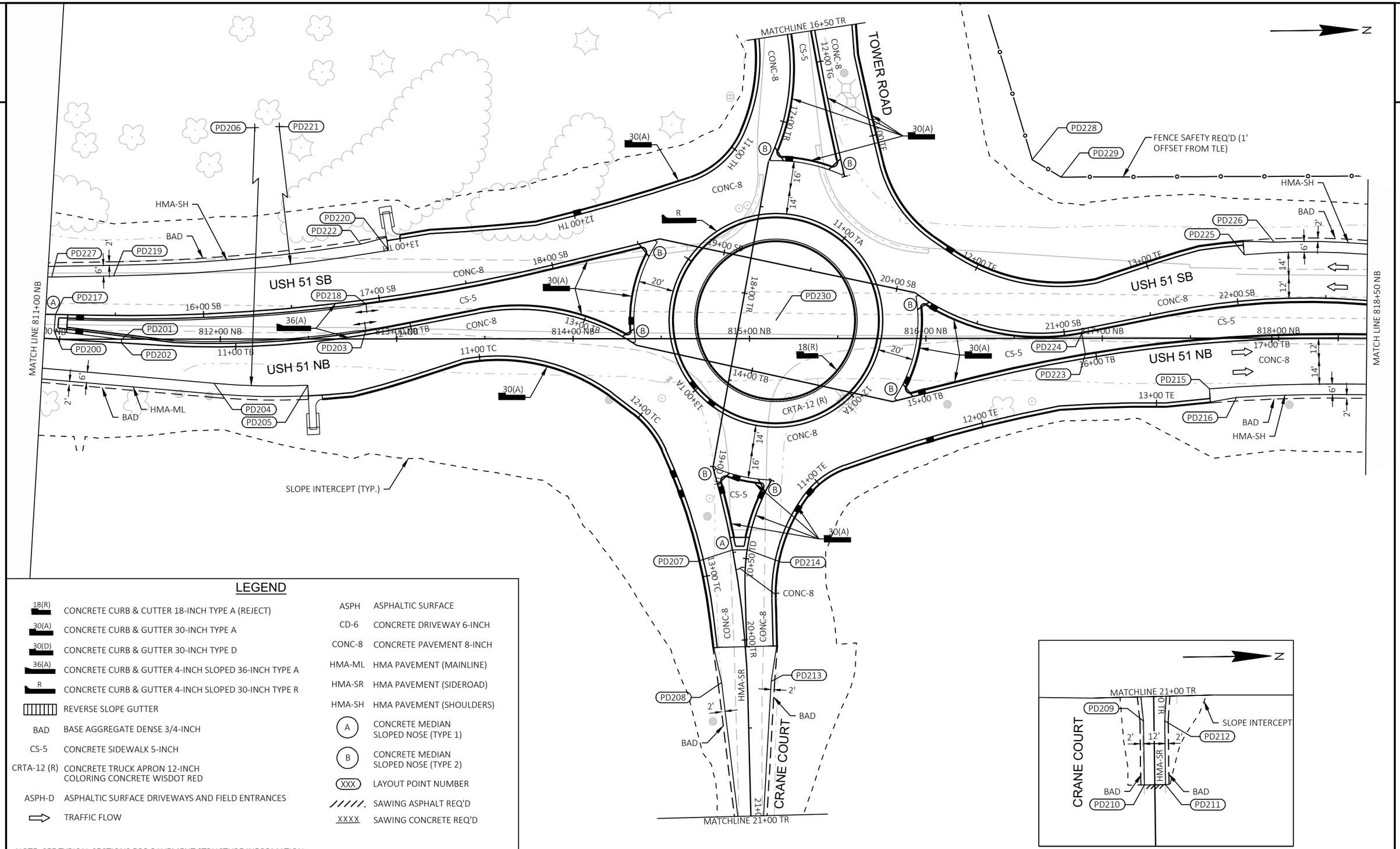
PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	PLAN DETAILS	SHEET 30 E

2

STATION & OFFSET TABLE						
POINT	STATION	OFFSET	ELEV.	Y COORDS	X COORDS	REMARKS
PD100	804+83.19 NB	12.00 RT	- - -	453813.09	841766.76	MATCH EXISTING
PD101	804+83.19 NB	14.84 RT	- - -	453813.02	841769.60	MATCH EXISTING
PD102	805+43.31 NB	18.00 RT	874.84	453872.93	841774.37	EPS; END TAPER
PD103	806+90.76 NB	22.00 RT	875.62	454019.75	841784.10	END RADIUS
PD104	807+04.27 NB	46.39 RT	875.86	454032.01	841809.12	END RADIUS
PD105	806+74.11 NB	47.00 RT	- - -	454002.02	841808.30	R=30'
PD106	807+04.29 NB	47.65 RT	- - -	454031.98	841810.37	MATCH EXISTING
PD107	807+18.07 NB	47.33 RT	- - -	454045.67	841810.74	MATCH EXISTING
PD108	807+31.58 NB	22.00 RT	876.00	454060.42	841786.14	END RADIUS
PD109	807+48.23 NB	47.00 RT	- - -	454075.65	841811.99	R=30'
PD110	809+19.62 NB	18.00 RT	878.67	454247.95	841794.02	EPS; START TAPER
PD111	809+39.61 NB	20.00 RT	878.93	454267.74	841797.45	EPS; END TAPER
PD112	809+39.65 NB	14.00 RT	879.20	454268.21	841791.46	EOP; END RADIUS
PD113	809+39.72 NB	4000.00 RT	- - -	453983.06	845767.25	R=3986'
PD114	810+53.64 NB	15.63 RT	881.11	454381.79	841801.25	EOP; END RADIUS
PD115	809+39.72 NB	0.00 RT	879.48	454269.28	841777.51	PAVEMENT TRANSITION
PD116	810+67.88 NB	0.00 RT	881.66	454397.11	841786.68	PAVEMENT TRANSITION
PD117	804+83.19 NB	12.00 LT	- - -	453813.65	841742.77	MATCH EXISTING
PD118	804+83.19 NB	15.40 LT	- - -	453813.73	841739.37	MATCH EXISTING
PD119	805+43.06 NB	18.21 LT	874.83	453873.77	841738.16	EPS; END TAPER
PD120	11+27.61 SB	24.06 LT	875.97	454048.95	841738.24	END RADIUS

STATION & OFFSET TABLE						
POINT	STATION	OFFSET	ELEV.	Y COORDS	X COORDS	REMARKS
PD121	11+40.72 SB	49.90 LT	876.58	454062.95	841713.56	END RADIUS
PD122	11+10.74 SB	48.88 LT	- - -	454032.95	841712.86	R=30'
PD123	11+40.23 SB	64.38 LT	- - -	454063.30	841698.36	MATCH EXISTING
PD124	11+50.24 SB	64.72 LT	- - -	454071.37	841698.36	MATCH EXISTING
PD125	11+50.79 SB	48.61 LT	876.59	454074.55	841719.06	END RADIUS
PD126	11+64.47 SB	24.46 LT	876.33	454087.04	841739.12	END RADIUS
PD127	11+80.78 SB	49.64 LT	- - -	454102.46	841714.47	R=30'
PD128	14+03.42 SB	23.05 LT	879.79	454324.07	841748.64	EPS; START TAPER
PD129	14+19.28 SB	27.23 LT	880.22	454339.73	841745.00	END RADIUS
PD130	14+32.41 SB	53.07 LT	879.58	454353.71	841719.64	END RADIUS
PD131	14+02.43 SB	52.04 LT	- - -	454324.07	841719.63	R=30'
PD132	14+32.22 SB	71.74 LT	- - -	454353.71	841706.71	MATCH EXISTING
PD133	14+46.75 SB	72.57 LT	- - -	454369.45	841706.29	MATCH EXISTING
PD134	14+47.39 SB	53.86 LT	879.56	454369.45	841719.34	END RADIUS
PD135	14+64.63 SB	27.72 LT	880.94	454385.79	841746.05	END RADIUS
PD136	14+77.38 SB	54.88 LT	- - -	454399.07	841719.35	R=30'
PD137	14+77.27 SB	25.85 LT	880.95	454397.97	841748.36	EOP; END TAPER
PD138	14+77.48 SB	19.94 LT	881.23	454397.98	841754.28	PAVEMENT TRANSITION
PD139	14+78.18 SB	0.00 RT	881.66	454398.00	841774.23	PAVEMENT TRANSITION
PD140	12+93.99 SB	15.86 LT	878.21	454214.46	841752.09	EOP; END RADIUS
PD141	12+06.01 SB	8115.39 LT	- - -	454402.75	833654.28	R=8100'

2



LEGEND

18(R)	CONCRETE CURB & CUTTER 18-INCH TYPE A (REJECT)
30(A)	CONCRETE CURB & GUTTER 30-INCH TYPE A
30(D)	CONCRETE CURB & GUTTER 30-INCH TYPE D
36(A)	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE A
R	CONCRETE CURB & GUTTER 4-INCH SLOPED 30-INCH TYPE R
	REVERSE SLOPE GUTTER
BAD	BASE AGGREGATE DENSE 3/4-INCH
CS-5	CONCRETE SIDEWALK 5-INCH
CRTA-12 (R)	CONCRETE TRUCK APRON 12-INCH COLORING CONCRETE WISDOT RED
ASPH-D	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
	TRAFFIC FLOW
ASPH	ASPHALTIC SURFACE
CD-6	CONCRETE DRIVEWAY 6-INCH
CONC-8	CONCRETE PAVEMENT 8-INCH
HMA-ML	HMA PAVEMENT (MAINLINE)
HMA-SR	HMA PAVEMENT (SIDEROAD)
HMA-SH	HMA PAVEMENT (SHOULDERS)
A	CONCRETE MEDIAN SLOPED NOSE (TYPE 1)
B	CONCRETE MEDIAN SLOPED NOSE (TYPE 2)
XXX	LAYOUT POINT NUMBER
	SAWING ASPHALT REQ'D
XXXX	SAWING CONCRETE REQ'D

NOTE: SEE TYPICAL SECTIONS FOR PAVEMENT STRUCTURE INFORMATION

PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	PLAN DETAILS	SHEET 32	E

FILE NAME : S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 021202-pd

PLOT DATE : 9/24/2025 2:59 PM PLOT BY : HABERKORN, DEVEN PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 42

2

STATION & OFFSET TABLE						
POINT	STATION	OFFSET	ELEV.	Y COORDS	X COORDS	REMARKS
PD200	811+05.50 NB	4.55 LT	882.30	454434.97	841784.83	EOP; START TAPER
PD201	10+35.11 TB	2.00 LT	882.98	454473.13	841790.12	EOP; END TAPER
PD202	10+35.11 TB	0.00 RT	882.98	454472.98	841792.12	EOP
PD203	11+74.57 TB	2.50 LT	- - -	454611.68	841786.68	CURB TRANSITION
PD204	811+96.38 NB	25.02 RT	883.71	454525.21	841815.66	EOP; END RADIUS
PD205	812+49.58 NB	26.20 RT	885.00	454578.38	841817.47	EOP; END RADIUS
PD206	812+31.85 NB	375.41 LT	- - -	454565.42	841415.68	R=402'
PD207	19+48.46 TR	0.00 RT	890.16	454817.95	841913.83	EOP
PD208	20+23.60 TR	14.66 RT	890.55	454810.80	841988.93	EOP; END TAPER
PD209	21+13.91 TR	6.00 RT	888.60	454820.64	842078.91	EOP; END TAPER
PD210	21+50.00 TR	6.00 RT	- - -	454821.09	842115.00	MATCH EXISTING
PD211	21+50.00 TR	6.00 LT	- - -	454833.09	842114.85	MATCH EXISTING
PD212	21+13.91 TR	6.00 LT	888.60	454832.64	842078.76	EOP; START TAPER
PD213	20+24.05 TR	13.42 LT	890.58	454838.88	841988.63	EOP; END TAPER
PD214	10+55.09	0.00 RT	890.37	454826.30	841913.83	EOP
PD215	16+62.34 TB	26.00 RT	892.90	455089.44	841826.01	EOP

STATION & OFFSET TABLE						
POINT	STATION	OFFSET	ELEV.	Y COORDS	X COORDS	REMARKS
PD216	817+76.12 NB	33.56 RT	892.76	455104.80	841831.08	EPS; END TAPER
PD217	15+16.04 SB	0.00 RT	882.30	454435.84	841775.49	EOP
PD218	16+92.19 SB	2.50 RT	- - -	454611.98	841771.97	CURB TRANSITION
PD219	15+48.83 SB	22.44 LT	881.29	454469.08	841754.08	EOP; END RADIUS
PD220	17+09.21 SB	26.00 LT	886.44	454625.05	841741.56	EOP; END RADIUS
PD221	15+13.45 SB	1019.90 LT	- - -	454467.44	840756.08	R=998'
PD222	16+93.70 SB	31.66 LT	885.67	454609.38	841737.88	EPS; START TAPER
PD223	15+94.03 TB	2.50 LT	- - -	455019.36	841805.23	SIDEWALK TRANSITION
PD224	21+09.74 SB	2.50 RT	- - -	455017.58	841793.72	SIDEWALK TRANSITION
PD225	22+05.89 SB	26.00 LT	893.06	455110.17	841750.25	EOP
PD226	22+22.17 SB	32.00 LT	892.82	455127.30	841743.37	EPS; END TAPER
PD227	15+13.45 SB	21.20 LT	881.83	454433.96	841754.22	EOP; END RADIUS
PD228	20+63.28 SB	97.99 LT	- - -	454990.72	841694.85	FENCE SAFETY PI
PD229	21+15.49 SB	86.77 LT	- - -	455006.89	841704.91	FENCE SAFETY PI
PD230	815+14.94 NB	10.29 LT	895.17	454844.16	841784.13	CENTER OF ROUNDABOUT

2

2

FENCE SAFETY REQ'D (1' OFFSET FROM TLE)

PD316

PD311 PD312 PD309 PD313 PD310 PD315 PD308 PD314

ASPH-D

BAD

2'

6'

HMA-SH

14'

12'

CONC-8

USH 51 SB

23+00 SB 24+00 SB 25+00 SB 26+00 SB 27+00 SB 28+00 SB 29+00 SB 30+00 SB

819+00 NB 820+00 NB 821+00 NB 822+00 NB 823+00 NB 824+00 NB 825+00 NB

CS-5

30(A)

CONC-8

USH 51 NB

HMA-SH

BAD

PD300 PD302 PD301 PD306 PD307 PD305

PD303 PD304

SLOPE INTERCEPT (TYP.)

MATCH LINE 818+50 NB

MATCH LINE 826+00 NB

N

LEGEND

18(R)	CONCRETE CURB & CUTTER 18-INCH TYPE A (REJECT)
30(A)	CONCRETE CURB & GUTTER 30-INCH TYPE A
30(D)	CONCRETE CURB & GUTTER 30-INCH TYPE D
36(A)	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE A
R	CONCRETE CURB & GUTTER 4-INCH SLOPED 30-INCH TYPE R
	REVERSE SLOPE GUTTER
BAD	BASE AGGREGATE DENSE 3/4-INCH
CS-5	CONCRETE SIDEWALK 5-INCH
CRTA-12 (R)	CONCRETE TRUCK APRON 12-INCH COLORING CONCRETE WISDOT RED
ASPH-D	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
	TRAFFIC FLOW

ASPH	ASPHALTIC SURFACE
CD-6	CONCRETE DRIVEWAY 6-INCH
CONC-8	CONCRETE PAVEMENT 8-INCH
HMA-ML	HMA PAVEMENT (MAINLINE)
HMA-SR	HMA PAVEMENT (SIDEROAD)
HMA-SH	HMA PAVEMENT (SHOULDERS)
A	CONCRETE MEDIAN SLOPED NOSE (TYPE 1)
B	CONCRETE MEDIAN SLOPED NOSE (TYPE 2)
XXX	LAYOUT POINT NUMBER
	SAWING ASPHALT REQ'D
XXXX	SAWING CONCRETE REQ'D

NOTE: SEE TYPICAL SECTIONS FOR PAVEMENT STRUCTURE INFORMATION

PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	PLAN DETAILS	SHEET 34	E

FILE NAME : S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 021203-pd

PLOT DATE : 9/24/2025 2:59 PM PLOT BY : HABERKORN, DEVEN PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 42

STATION & OFFSET TABLE						
POINT	STATION	OFFSET	ELEV.	Y COORDS	X COORDS	REMARKS
PD300	824+45.82 NB	34.00 RT	881.82	455774.06	841844.96	END RADIUS
PD301	824+53.79 NB	48.86 RT	883.78	455781.75	841862.26	END RADIUS
PD302	824+33.82 NB	50.00 RT	- - -	455761.73	841860.70	R=20'
PD303	824+55.35 NB	95.50 RT	- - -	455782.35	841911.46	MATCH EXISTING
PD304	824+66.33 NB	94.88 RT	- - -	455793.34	841911.07	MATCH EXISTING
PD305	824+64.88 NB	51.06 RT	883.38	455792.81	841862.49	END RADIUS
PD306	824+72.90 NB	34.00 RT	880.89	455801.13	841845.52	END RADIUS
PD307	824+84.90 NB	50.00 RT	- - -	455812.80	841861.77	R=20'
PD308	28+61.69 SB	32.00 LT	882.45	455767.67	841768.81	EOP; END RADIUS
PD309	28+78.61 SB	59.52 LT	883.64	455785.16	841741.64	EOP; END RADIUS
PD310	28+48.62 SB	59.00 LT	- - -	455755.16	841741.54	R=30'
PD311	28+78.17 SB	84.81 LT	- - -	455785.24	841716.35	MATCH EXISTING
PD312	28+97.62 SB	85.15 LT	- - -	455804.69	841716.42	MATCH EXISTING
PD313	28+98.08 SB	58.48 LT	882.91	455804.60	841743.10	EOP; END RADIUS
PD314	29+15.00 SB	32.00 LT	880.59	455820.97	841769.92	EOP; END RADIUS
PD315	29+27.97 SB	59.12 LT	- - -	455834.50	841743.08	R=30'
PD316	23+46.24 SB	60.32 LT	- - -	455257.50	841723.66	END FENCE SAFETY

LEGEND

18(R)	CONCRETE CURB & CUTTER 18-INCH TYPE A (REJECT)
30(A)	CONCRETE CURB & GUTTER 30-INCH TYPE A
30(D)	CONCRETE CURB & GUTTER 30-INCH TYPE D
36(A)	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE A
R	CONCRETE CURB & GUTTER 4-INCH SLOPED 30-INCH TYPE R
	REVERSE SLOPE GUTTER
BAD	BASE AGGREGATE DENSE 3/4-INCH
CS-5	CONCRETE SIDEWALK 5-INCH
CRTA-12 (R)	CONCRETE TRUCK APRON 12-INCH COLORING CONCRETE WISDOT RED
ASPH-D	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
	TRAFFIC FLOW
ASPH	ASPHALTIC SURFACE
CD-6	CONCRETE DRIVEWAY 6-INCH
CONC-8	CONCRETE PAVEMENT 8-INCH
HMA-ML	HMA PAVEMENT (MAINLINE)
HMA-SR	HMA PAVEMENT (SIDEROAD)
HMA-SH	HMA PAVEMENT (SHOULDERS)
A	CONCRETE MEDIAN SLOPED NOSE (TYPE 1)
B	CONCRETE MEDIAN SLOPED NOSE (TYPE 2)
XXX	LAYOUT POINT NUMBER
	SAWING ASPHALT REQ'D
XXXX	SAWING CONCRETE REQ'D

NOTE: SEE TYPICAL SECTIONS FOR PAVEMENT STRUCTURE INFORMATION

N

DELINEATED WETLAND (TYP.)

USH 51 SB

USH 51 NB

EXCHANGE STREET

MATCH LINE 826+00 NB

MATCH LINE 833+50 NB

MATCHLINE 11+30 EX

SLOPE INTERCEPT (TYP.)

ENVIRONMENTALLY SENSITIVE AREA (TYP.)

FENCE SAFETY REQ'D (1' OFFSET FROM R/W)

PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	PLAN DETAILS	SHEET 36 E

2

STATION & OFFSET TABLE						
POINT	STATION	OFFSET	ELEV.	Y COORDS	X COORDS	REMARKS
PD400	12+79.26 EB	26.00 RT	862.72	456249.91	841856.37	EOP
PD401	12+65.20 EB	32.00 RT	862.97	456235.38	841863.35	EPS; START TAPER
PD402	11+02.12 EX	0.00 RT	857.21	456474.53	842022.29	PAVEMENT TRANSITION
PD403	11+17.75 EX	16.27 RT	856.85	456458.88	842038.54	EOP; END TAPER
PD404	13+33.68 EX	11.00 RT	- - -	456465.04	842254.80	MATCH EXISTING
PD405	13+53.09 EX	11.00 RT	- - -	456467.56	842274.63	MATCH EXISTING
PD406	13+33.68 EX	11.00 LT	- - -	456486.94	842252.62	MATCH EXISTING
PD407	13+64.57 EX	10.92 LT	- - -	456491.10	842282.27	MATCH EXISTING
PD408	13+05.67 EX	22.50 LT	855.24	456496.80	842225.27	END CONCRETE
PD409	13+05.68 EX	27.50 LT	855.66	456501.80	842225.17	END ASPHALT
PD410	13+05.70 EX	37.50 LT	- - -	456511.79	842224.98	MATCH EXISTING
PD411	12+80.62 EX	37.50 LT	- - -	456512.07	842201.91	MATCH EXISTING
PD412	12+80.62 EX	27.50 LT	855.86	456502.08	842201.59	END ASPHALT
PD413	12+80.62 EX	22.50 LT	855.55	456497.08	842201.43	END CONCRETE
PD414	11+05.22 ED	24.00 RT	857.17	456503.96	842033.44	END CONCRETE
PD415	11+19.36 EX	35.52 LT	856.73	456510.69	842038.14	END ASPHALT
PD416	10+95.63 ED	38.74 RT	- - -	456518.39	842043.50	MATCH EXISTING
PD417	11+23.62 ED	39.50 RT	- - -	456520.04	842015.55	MATCH EXISTING
PD418	10+91.46 EX	38.26 LT	856.48	456512.34	842010.15	END ASPHALT

STATION & OFFSET TABLE						
POINT	STATION	OFFSET	ELEV.	Y COORDS	X COORDS	REMARKS
PD419	11+33.27 ED	24.76 RT	857.10	456505.61	842005.44	END CONCRETE
PD420	11+54.97 ED	0.00 RT	856.89	456482.08	841982.98	EOP
PD421	10+62.21 EX	0.00 LT	857.14	456472.98	841982.42	EOP
PD422	10+27.08 EE	7.50 RT	857.28	456504.65	841996.25	FOS
PD423	10+27.08 EE	17.50 RT	857.45	456514.64	841996.56	BOS
PD424	13+78.27 EB	2.50 LT	- - -	456346.12	841818.74	SIDEWALK TRANSITION
PD425	34+39.87 SB	2.50 RT	- - -	456345.21	841810.26	SIDEWALK TRANSITION
PD426	32+82.72 SB	34.00 LT	864.97	456188.21	841775.61	END RADIUS
PD427	32+90.68 SB	51.15 LT	863.09	456196.54	841758.63	END RADIUS
PD428	32+70.72 SB	50.00 LT	- - -	456176.55	841759.37	R=20'
PD429	32+89.02 SB	85.16 LT	- - -	456195.58	841724.57	MATCH EXISTING
PD430	33+05.92 SB	86.13 LT	- - -	456212.50	841723.97	MATCH EXISTING
PD431	33+07.85 SB	48.85 LT	862.70	456213.65	841761.28	END RADIUS
PD432	33+15.81 SB	34.00 LT	865.53	456221.30	841776.30	END RADIUS
PD433	33+27.81 SB	50.00 LT	- - -	456233.63	841760.55	R=20'
PD434	33+50.73 SB	32.00 LT	862.06	456256.60	841779.01	EPS; START TAPER
PD435	33+66.20 SB	26.00 LT	861.66	456271.68	841785.30	EOP
PD436	37+81.72 SB	2.50 RT	- - -	456676.80	841848.66	END SIDEWALK
PD437	11+03.49 EB	80.71 RT	- - -	456065.34	841901.83	BEGIN FENCE SAFETY

STATION & OFFSET TABLE						
POINT	STATION	OFFSET	ELEV.	Y COORDS	X COORDS	REMARKS
PD438	12+63.98 EB	87.26 RT	- - -	456236.73	841918.62	FENCE SAFETY PI
PD439	13+62.18 EB	75.75 RT	- - -	456337.42	841898.15	FENCE SAFETY PI
PD440	10+21.51 EX	61.95 RT	- - -	456409.49	841944.15	FENCE SAFETY PI
PD441	13+31.52 EX	80.91 RT	- - -	456395.23	842259.08	FENCE SAFETY PI
PD442	13+53.48 EX	30.68 RT	- - -	456448.17	842278.05	END FENCE SAFETY
PD443	831+80.64 NB	9.09 RT	861.89	456508.84	841838.24	CENTER OF ROUNDABOUT

2

N

TAPER CURB HEAD WITH HMA-ML
FOLLOWING S.D.D. "CONCRETE CURB,
TIES AND CURB AND GUTTER APPLICATIONS"

BAD

HMA-ML

ENVIRONMENTALLY SENSITIVE AREA (TYP.)

USH 51 SB

USH 51 NB

MATCH LINE 833+50 NB

ASPH

GRASS

CONC-8

HMA-ML

30(A)

PD501 PD502 PD503 PD504 PD505 PD506 PD507 PD508 PD509 PD510 PD511 PD512 PD513 PD514 PD515 PD516

38+00 SB 39+00 SB 40+00 SB 41+00 SB 42+00 SB

834+00 NB 835+00 NB 836+00 NB 837+00 NB 838+00 NB 839+00 NB 840+00 NB 841+00 NB

18+00 EB 19+00 EB

12' 6' 4' 5' 10'

SLOPE INTERCEPT (TYP.)

LEGEND

18(R)	CONCRETE CURB & CUTTER 18-INCH TYPE A (REJECT)
30(A)	CONCRETE CURB & GUTTER 30-INCH TYPE A
30(D)	CONCRETE CURB & GUTTER 30-INCH TYPE D
36(A)	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE A
R	CONCRETE CURB & GUTTER 4-INCH SLOPED 30-INCH TYPE R
	REVERSE SLOPE GUTTER
BAD	BASE AGGREGATE DENSE 3/4-INCH
CS-5	CONCRETE SIDEWALK 5-INCH
CRTA-12 (R)	CONCRETE TRUCK APRON 12-INCH COLORING CONCRETE WISDOT RED
ASPH-D	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
	TRAFFIC FLOW

ASPH	ASPHALTIC SURFACE
CD-6	CONCRETE DRIVEWAY 6-INCH
CONC-8	CONCRETE PAVEMENT 8-INCH
HMA-ML	HMA PAVEMENT (MAINLINE)
HMA-SR	HMA PAVEMENT (SIDEROAD)
HMA-SH	HMA PAVEMENT (SHOULDERS)
A	CONCRETE MEDIAN SLOPED NOSE (TYPE 1)
B	CONCRETE MEDIAN SLOPED NOSE (TYPE 2)
XXX	LAYOUT POINT NUMBER
//////	SAWING ASPHALT REQ'D
XXXX	SAWING CONCRETE REQ'D

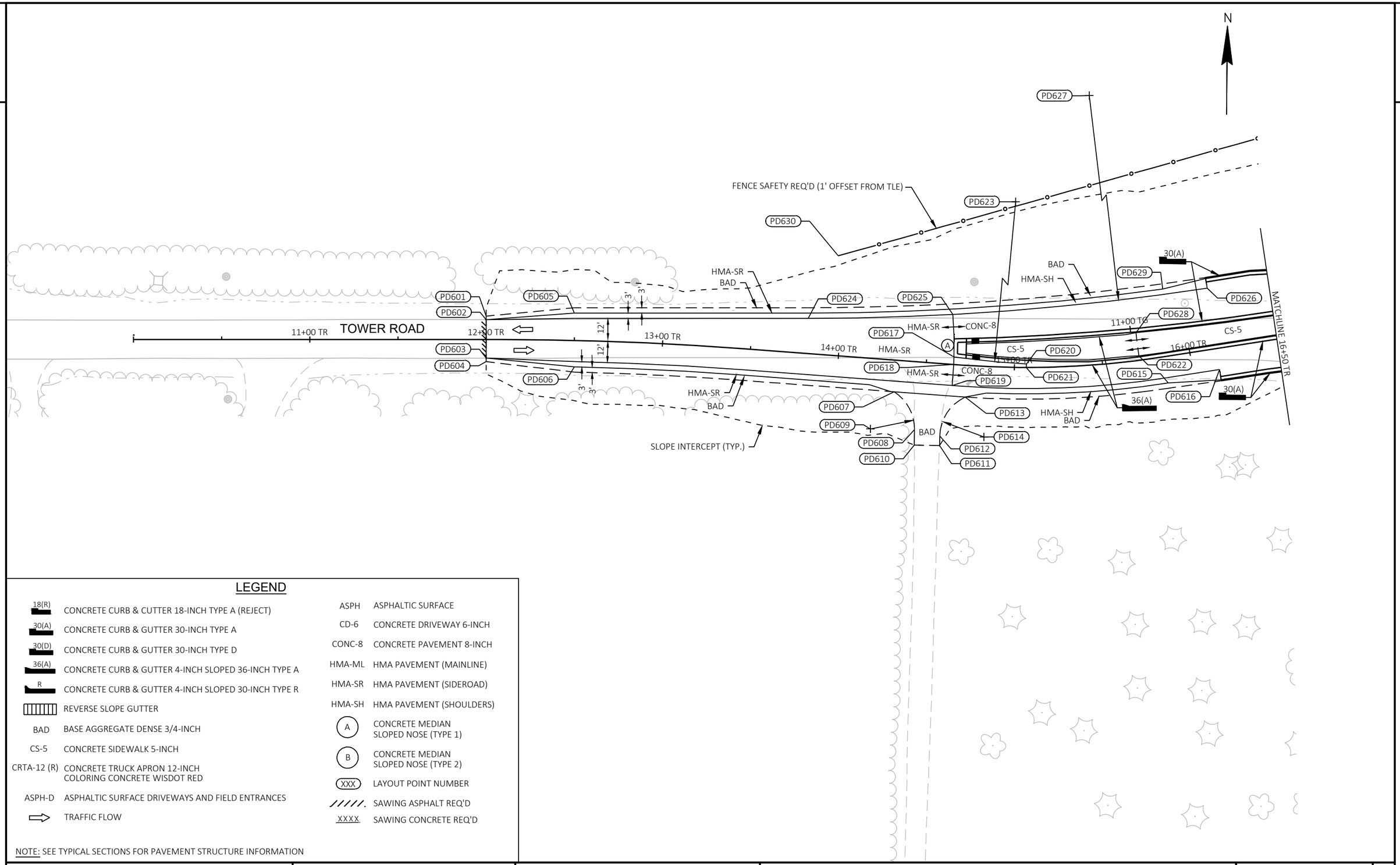
NOTE: SEE TYPICAL SECTIONS FOR PAVEMENT STRUCTURE INFORMATION

PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	PLAN DETAILS	SHEET 38	E

FILE NAME : S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 021205-pd
PLOT DATE : 9/24/2025 2:59 PM
PLOT BY : HABERKORN, DEVEN
PLOT NAME :
PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 42

STATION & OFFSET TABLE						
POINT	STATION	OFFSET	ELEV.	Y COORDS	X COORDS	REMARKS
PD500	835+93.89 NB	24.80 RT	859.76	456917.99	841891.83	PAVEMENT TRANSITION
PD501	835+20.80 NB	0.00 RT	858.53	456848.12	841859.03	PAVEMENT TRANSITION
PD502	836+27.60 NB	30.66 RT	860.32	456950.83	841901.42	EPS; END TAPER
PD503	838+18.35 NB	30.00 RT	864.56	457139.73	841922.38	EPS; START TAPER
PD504	838+79.59 NB	26.65 RT	- - -	457199.60	841928.36	MATCH EXISTING
PD505	838+79.59 NB	24.00 RT	- - -	457200.07	841925.75	MATCH EXISTING
PD506	838+79.59 NB	24.00 LT	- - -	457208.45	841878.49	MATCH EXISTING
PD507	838+79.58 NB	37.23 LT	866.99	457210.76	841865.46	EPS
PD508	833+51.97 NB	18.50 RT	856.33	456678.57	841859.90	END SIDEWALK
PD509	40+32.70 SB	0.00 RT	860.14	456925.91	841842.04	PAVEMENT TRANSITION
PD510	40+32.70 SB	24.00 LT	859.66	456930.29	841818.45	PAVEMENT TRANSITION
PD511	40+66.56 SB	30.00 LT	858.87	456965.64	841819.81	EPS; END TAPER
PD512	838+79.58 NB	38.23 LT	866.95	457210.93	841864.47	EGS
PD513	835+93.59 NB	42.29 RT	860.52	456915.73	841909.18	BOS
PD514	41+22.07 SB	30.00 LT	861.52	457019.78	841832.04	EPS
PD515	829+78.20 NB	5686.80 RT	- - -	456188.41	847507.63	R=5663'
PD516	835+20.70 NB	24.00 RT	858.05	456845.34	841882.87	END RADIUS

2



LEGEND

18(R)	CONCRETE CURB & CUTTER 18-INCH TYPE A (REJECT)
30(A)	CONCRETE CURB & GUTTER 30-INCH TYPE A
30(D)	CONCRETE CURB & GUTTER 30-INCH TYPE D
36(A)	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE A
R	CONCRETE CURB & GUTTER 4-INCH SLOPED 30-INCH TYPE R
	REVERSE SLOPE GUTTER
BAD	BASE AGGREGATE DENSE 3/4-INCH
CS-5	CONCRETE SIDEWALK 5-INCH
CRTA-12 (R)	CONCRETE TRUCK APRON 12-INCH COLORING CONCRETE WISDOT RED
ASPH-D	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
	TRAFFIC FLOW

ASPH	ASPHALTIC SURFACE
CD-6	CONCRETE DRIVEWAY 6-INCH
CONC-8	CONCRETE PAVEMENT 8-INCH
HMA-ML	HMA PAVEMENT (MAINLINE)
HMA-SR	HMA PAVEMENT (SIDEROAD)
HMA-SH	HMA PAVEMENT (SHOULDERS)
A	CONCRETE MEDIAN SLOPED NOSE (TYPE 1)
B	CONCRETE MEDIAN SLOPED NOSE (TYPE 2)
XXX	LAYOUT POINT NUMBER
//////	SAWING ASPHALT REQ'D
XXXX	SAWING CONCRETE REQ'D

NOTE: SEE TYPICAL SECTIONS FOR PAVEMENT STRUCTURE INFORMATION

2

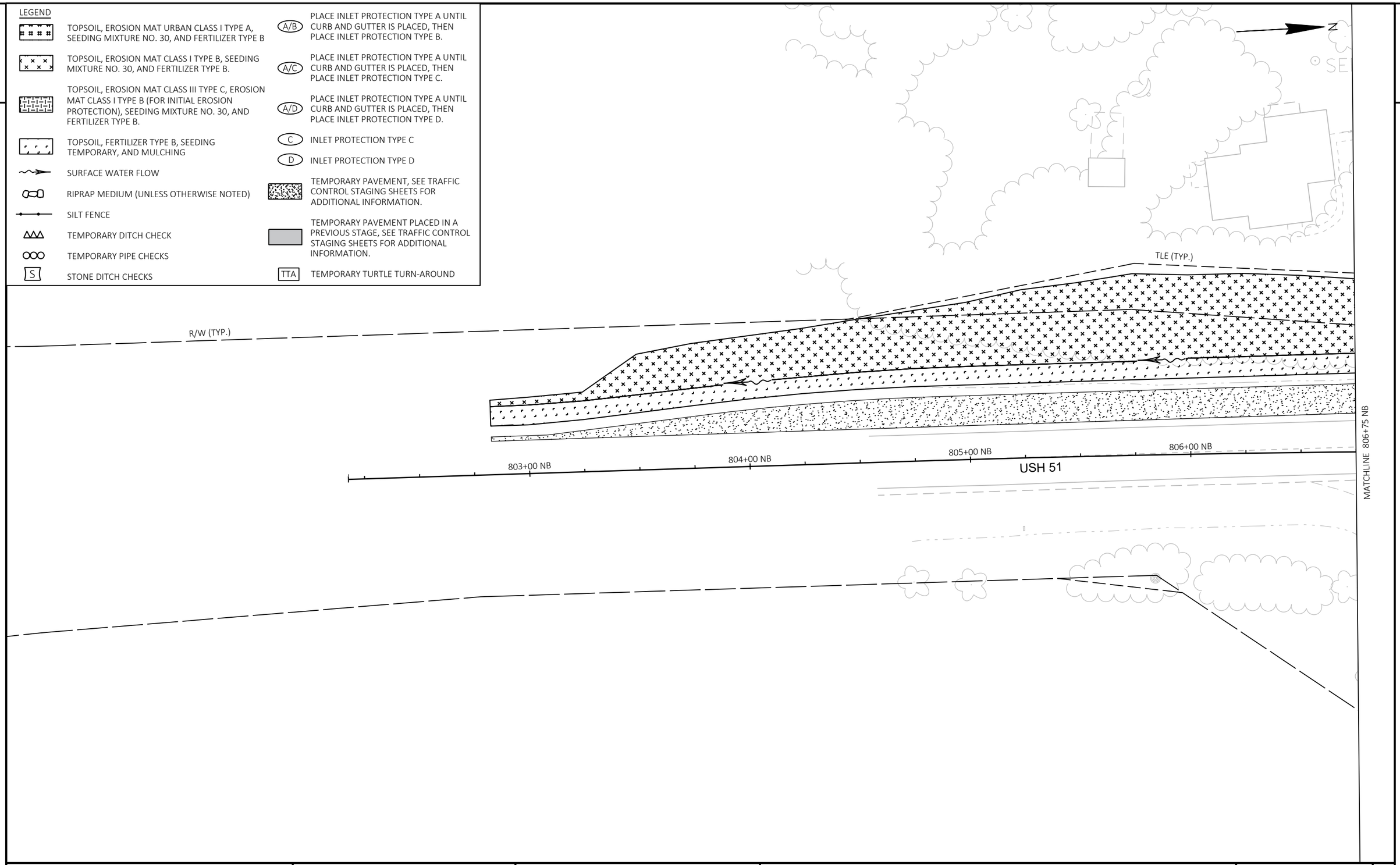
STATION & OFFSET TABLE						
POINT	STATION	OFFSET	ELEV.	Y COORDS	X COORDS	REMARKS
PD601	12+00.00 TR	13.26 LT	- - -	454862.05	841173.39	MATCH EXISTING
PD602	12+00.00 TR	11.26 LT	- - -	454860.05	841173.41	MATCH EXISTING
PD603	12+00.00 TR	10.54 RT	- - -	454838.25	841173.58	MATCH EXISTING
PD604	12+00.00 TR	12.54 RT	- - -	454836.25	841173.60	MATCH EXISTING
PD605	12+49.65 TR	15.48 LT	880.99	454864.18	841223.38	EOP
PD606	12+50.35 TR	15.00 RT	881.00	454833.70	841223.62	EOP; END TAPER
PD607	14+33.03 TR	18.00 RT	884.26	454820.98	841405.03	END RADIUS
PD608	14+46.12 TR	38.61 RT	882.29	454799.53	841416.71	END RADIUS
PD609	14+21.16 TR	40.00 RT	- - -	454799.82	841391.71	R=25'
PD610	14+46.60 TR	47.27 RT	- - -	454790.86	841416.61	MATCH EXISTING
PD611	14+61.00 TR	46.47 RT	- - -	454790.70	841431.03	MATCH EXISTING
PD612	14+60.70 TR	41.15 RT	883.64	454796.02	841431.09	END RADIUS
PD613	14+73.26 TR	18.00 RT	885.05	454818.28	841445.30	END RADIUS
PD614	14+84.49 TR	40.00 RT	- - -	454795.73	841456.09	R=25'
PD615	15+85.14 TR	15.00 RT	888.53	454827.23	841560.32	EPS; START TAPER

STATION & OFFSET TABLE						
POINT	STATION	OFFSET	ELEV.	Y COORDS	X COORDS	REMARKS
PD616	16+15.14 TR	12.00 RT	889.40	454835.08	841589.43	EOP
PD617	14+65.29 TR	4.29 LT	885.36	454841.05	841438.72	PAVEMENT TRANSITION
PD618	14+65.54 TR	0.01 LT	885.29	454836.77	841438.68	PAVEMENT TRANSITION
PD619	14+65.54 TR	12.00 RT	885.05	454824.78	841437.87	PAVEMENT TRANSITION
PD620	15+06.80 TR	2.00 LT	886.37	454837.36	841479.89	EOP; END RADIUS
PD621	15+06.69 TR	0.00 RT	886.33	454835.36	841479.79	EOP
PD622	15+71.13 TR	2.50 LT	- - -	454842.42	841543.68	CURB TRANSITION
PD623	16+13.14 TR	496.79 LT	- - -	455336.75	841504.55	R=500'
PD624	13+81.36 TR	19.88 LT	883.85	454862.23	841356.02	EOP; END RADIUS
PD625	14+62.97 TR	28.26 LT	885.28	454865.13	841438.01	PAVEMENT TRANSITION
PD626	16+15.34 TR	34.68 LT	889.31	454881.17	841582.03	EOP; END RADIUS
PD627	13+03.82 TR	1516.55 LT	- - -	456362.19	841344.15	R=1500'
PD628	11+03.07 TG	2.50 RT	- - -	454855.52	841541.90	CURB TRANSITION
PD629	15+90.36 TR	38.00 LT	888.45	454880.37	841556.84	EPS; START TAPER
PD630	13+95.66 TR	56.49 LT	- - -	454897.80	841372.75	BEGIN FENCE SAFETY

2

LEGEND

- TOPSOIL, EROSION MAT URBAN CLASS I TYPE A, SEEDING MIXTURE NO. 30, AND FERTILIZER TYPE B
- TOPSOIL, EROSION MAT CLASS I TYPE B, SEEDING MIXTURE NO. 30, AND FERTILIZER TYPE B.
- TOPSOIL, EROSION MAT CLASS III TYPE C, EROSION MAT CLASS I TYPE B (FOR INITIAL EROSION PROTECTION), SEEDING MIXTURE NO. 30, AND FERTILIZER TYPE B.
- TOPSOIL, FERTILIZER TYPE B, SEEDING TEMPORARY, AND MULCHING
- SURFACE WATER FLOW
- RIPRAP MEDIUM (UNLESS OTHERWISE NOTED)
- SILT FENCE
- TEMPORARY DITCH CHECK
- TEMPORARY PIPE CHECKS
- S — STONE DITCH CHECKS
- A/B — PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS PLACED, THEN PLACE INLET PROTECTION TYPE B.
- A/C — PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS PLACED, THEN PLACE INLET PROTECTION TYPE C.
- A/D — PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS PLACED, THEN PLACE INLET PROTECTION TYPE D.
- C — INLET PROTECTION TYPE C
- D — INLET PROTECTION TYPE D
- TEMPORARY PAVEMENT, SEE TRAFFIC CONTROL STAGING SHEETS FOR ADDITIONAL INFORMATION.
- TEMPORARY PAVEMENT PLACED IN A PREVIOUS STAGE, SEE TRAFFIC CONTROL STAGING SHEETS FOR ADDITIONAL INFORMATION.
- TTA — TEMPORARY TURTLE TURN-AROUND

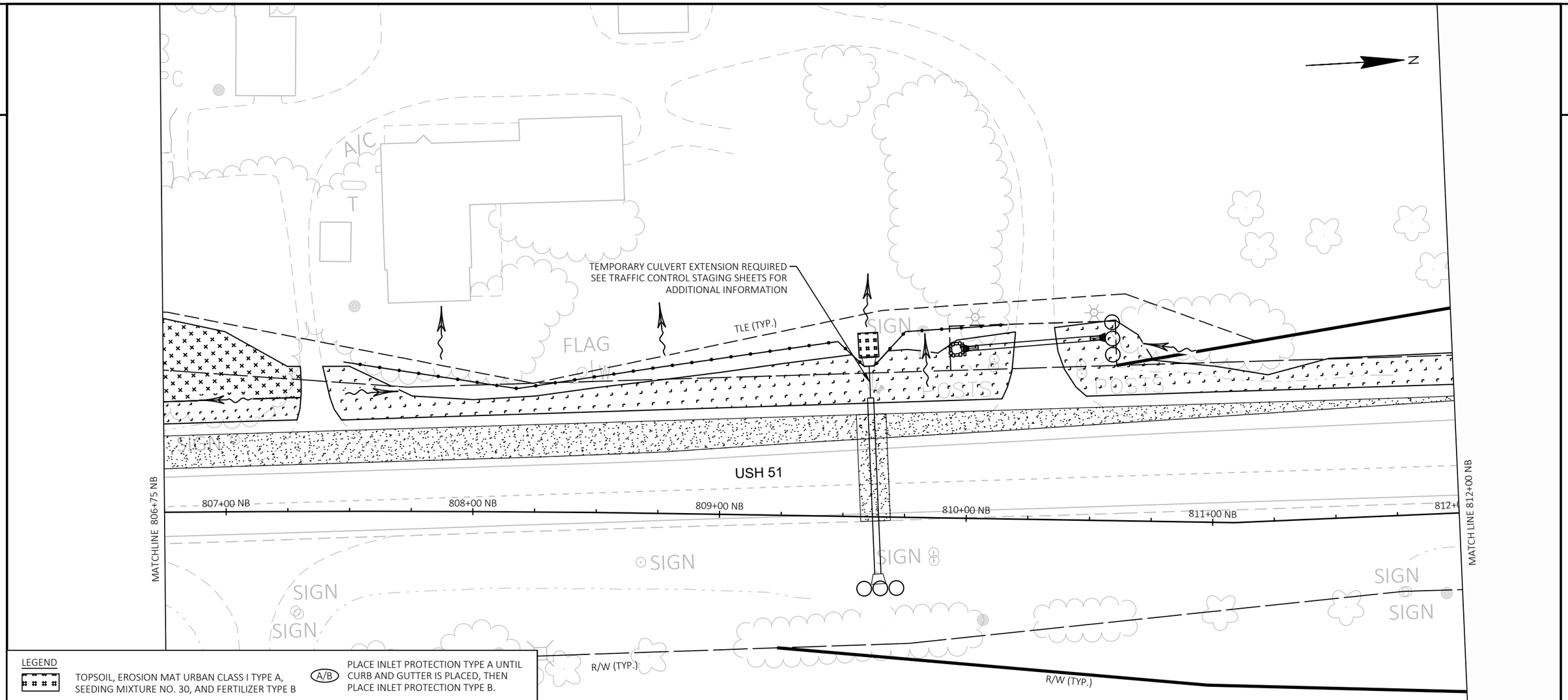


PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	EROSION CONTROL - STAGE 1	SHEET 42	E

FILE NAME : S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\022001-EC-S1.DWG
LAYOUT NAME - 022001-ec-s1

PLOT DATE : 7/30/2025 11:16 PM PLOT BY : KOWALSKI, NICK PLOT NAME : PLOT SCALE : 1 IN:40 FT

2



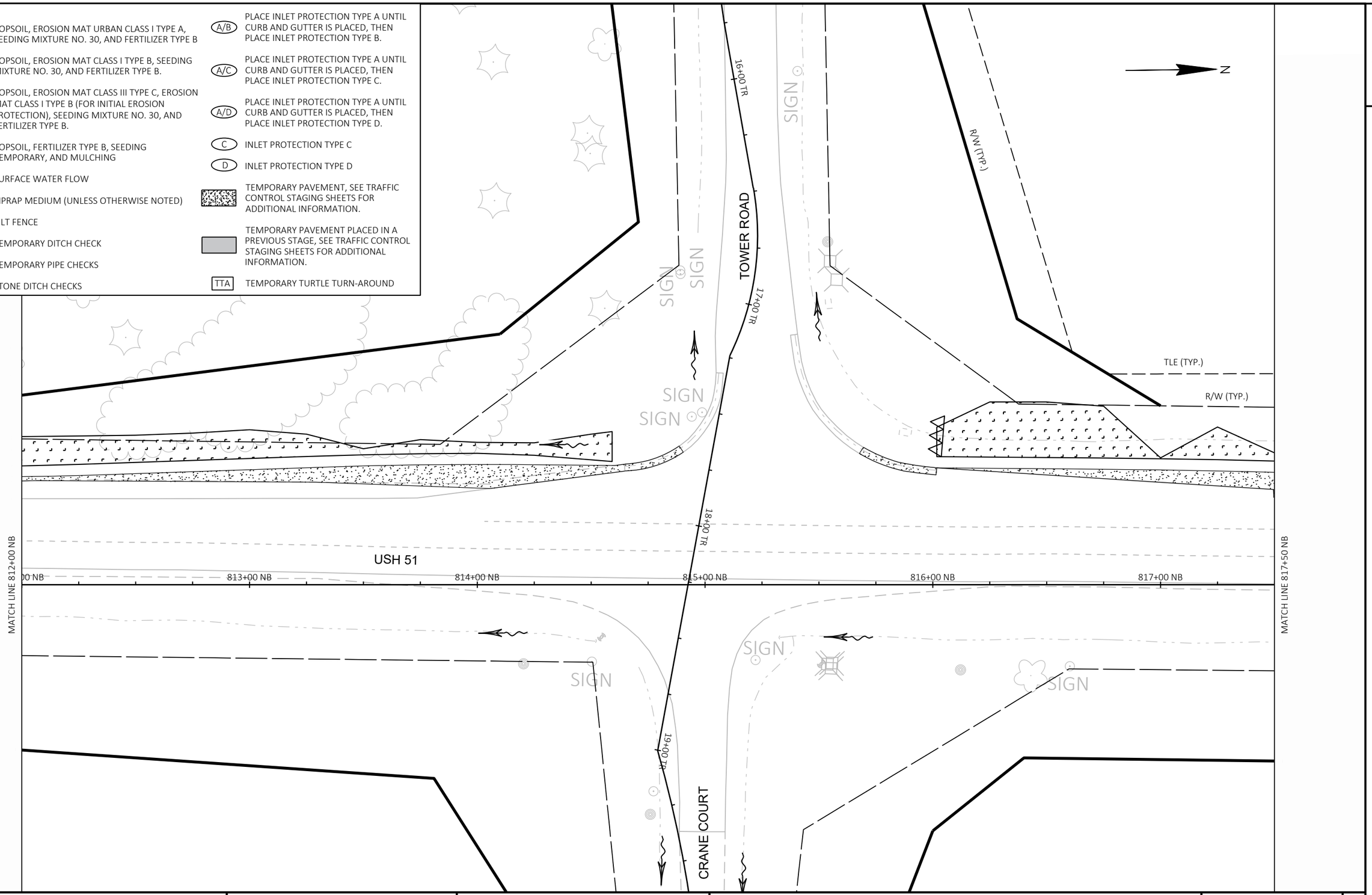
LEGEND

- TOPSOIL, EROSION MAT URBAN CLASS I TYPE A, SEEDING MIXTURE NO. 30, AND FERTILIZER TYPE B
- TOPSOIL, EROSION MAT CLASS I TYPE B, SEEDING MIXTURE NO. 30, AND FERTILIZER TYPE B.
- TOPSOIL, EROSION MAT CLASS III TYPE C, EROSION MAT CLASS I TYPE B (FOR INITIAL EROSION PROTECTION), SEEDING MIXTURE NO. 30, AND FERTILIZER TYPE B.
- TOPSOIL, FERTILIZER TYPE B, SEEDING TEMPORARY, AND MULCHING
- SURFACE WATER FLOW
- RIPRAP MEDIUM (UNLESS OTHERWISE NOTED)
- SILT FENCE
- TEMPORARY DITCH CHECK
- TEMPORARY PIPE CHECKS
- S — STONE DITCH CHECKS
- A/B — PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS PLACED, THEN PLACE INLET PROTECTION TYPE B.
- A/C — PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS PLACED, THEN PLACE INLET PROTECTION TYPE C.
- A/D — PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS PLACED, THEN PLACE INLET PROTECTION TYPE D.
- C — INLET PROTECTION TYPE C
- D — INLET PROTECTION TYPE D
- TEMPORARY PAVEMENT, SEE TRAFFIC CONTROL STAGING SHEETS FOR ADDITIONAL INFORMATION.
- TEMPORARY PAVEMENT PLACED IN A PREVIOUS STAGE, SEE TRAFFIC CONTROL STAGING SHEETS FOR ADDITIONAL INFORMATION.
- TTA — TEMPORARY TURTLE TURN-AROUND

PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	EROSION CONTROL - STAGE 1	SHEET 43	E

LEGEND

- TOPSOIL, EROSION MAT URBAN CLASS I TYPE A, SEEDING MIXTURE NO. 30, AND FERTILIZER TYPE B
- TOPSOIL, EROSION MAT CLASS I TYPE B, SEEDING MIXTURE NO. 30, AND FERTILIZER TYPE B.
- TOPSOIL, EROSION MAT CLASS III TYPE C, EROSION MAT CLASS I TYPE B (FOR INITIAL EROSION PROTECTION), SEEDING MIXTURE NO. 30, AND FERTILIZER TYPE B.
- TOPSOIL, FERTILIZER TYPE B, SEEDING TEMPORARY, AND MULCHING
- SURFACE WATER FLOW
- RIPRAP MEDIUM (UNLESS OTHERWISE NOTED)
- SILT FENCE
- TEMPORARY DITCH CHECK
- TEMPORARY PIPE CHECKS
- S — STONE DITCH CHECKS
- A/B — PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS PLACED, THEN PLACE INLET PROTECTION TYPE B.
- A/C — PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS PLACED, THEN PLACE INLET PROTECTION TYPE C.
- A/D — PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS PLACED, THEN PLACE INLET PROTECTION TYPE D.
- C — INLET PROTECTION TYPE C
- D — INLET PROTECTION TYPE D
- TEMPORARY PAVEMENT, SEE TRAFFIC CONTROL STAGING SHEETS FOR ADDITIONAL INFORMATION.
- TEMPORARY PAVEMENT PLACED IN A PREVIOUS STAGE, SEE TRAFFIC CONTROL STAGING SHEETS FOR ADDITIONAL INFORMATION.
- TTA — TEMPORARY TURTLE TURN-AROUND



2

N

R/W (TYP.)

R/W (TYP.)

SIGN

SIGN

USH 51

818+00 NB

819+00 NB

820+00 NB

821+00 NB

822+00 NB

823+

MATCH LINE 817+50 NB

MATCH LINE 823+00 NB

SIGN

TLE (TYP.)

LEGEND

- TOPSOIL, EROSION MAT URBAN CLASS I TYPE A, SEEDING MIXTURE NO. 30, AND FERTILIZER TYPE B
- TOPSOIL, EROSION MAT CLASS I TYPE B, SEEDING MIXTURE NO. 30, AND FERTILIZER TYPE B.
- TOPSOIL, EROSION MAT CLASS III TYPE C, EROSION MAT CLASS I TYPE B (FOR INITIAL EROSION PROTECTION), SEEDING MIXTURE NO. 30, AND FERTILIZER TYPE B.
- TOPSOIL, FERTILIZER TYPE B, SEEDING TEMPORARY, AND MULCHING
- SURFACE WATER FLOW
- RIPRAP MEDIUM (UNLESS OTHERWISE NOTED)
- SILT FENCE
- TEMPORARY DITCH CHECK
- TEMPORARY PIPE CHECKS
- S — STONE DITCH CHECKS
- A/B — PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS PLACED, THEN PLACE INLET PROTECTION TYPE B.
- A/C — PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS PLACED, THEN PLACE INLET PROTECTION TYPE C.
- A/D — PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS PLACED, THEN PLACE INLET PROTECTION TYPE D.
- C — INLET PROTECTION TYPE C
- D — INLET PROTECTION TYPE D
- TEMPORARY PAVEMENT, SEE TRAFFIC CONTROL STAGING SHEETS FOR ADDITIONAL INFORMATION.
- TEMPORARY PAVEMENT PLACED IN A PREVIOUS STAGE, SEE TRAFFIC CONTROL STAGING SHEETS FOR ADDITIONAL INFORMATION.
- TTA — TEMPORARY TURTLE TURN-AROUND

PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	EROSION CONTROL - STAGE 1	SHEET 45	E

FILE NAME : S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\022001-EC-S1.DWG
LAYOUT NAME - 022004-ec-s1

PLOT DATE : 7/30/2025 11:16 PM PLOT BY : KOWALSKI, NICK PLOT NAME : PLOT SCALE : 1 IN:40 FT

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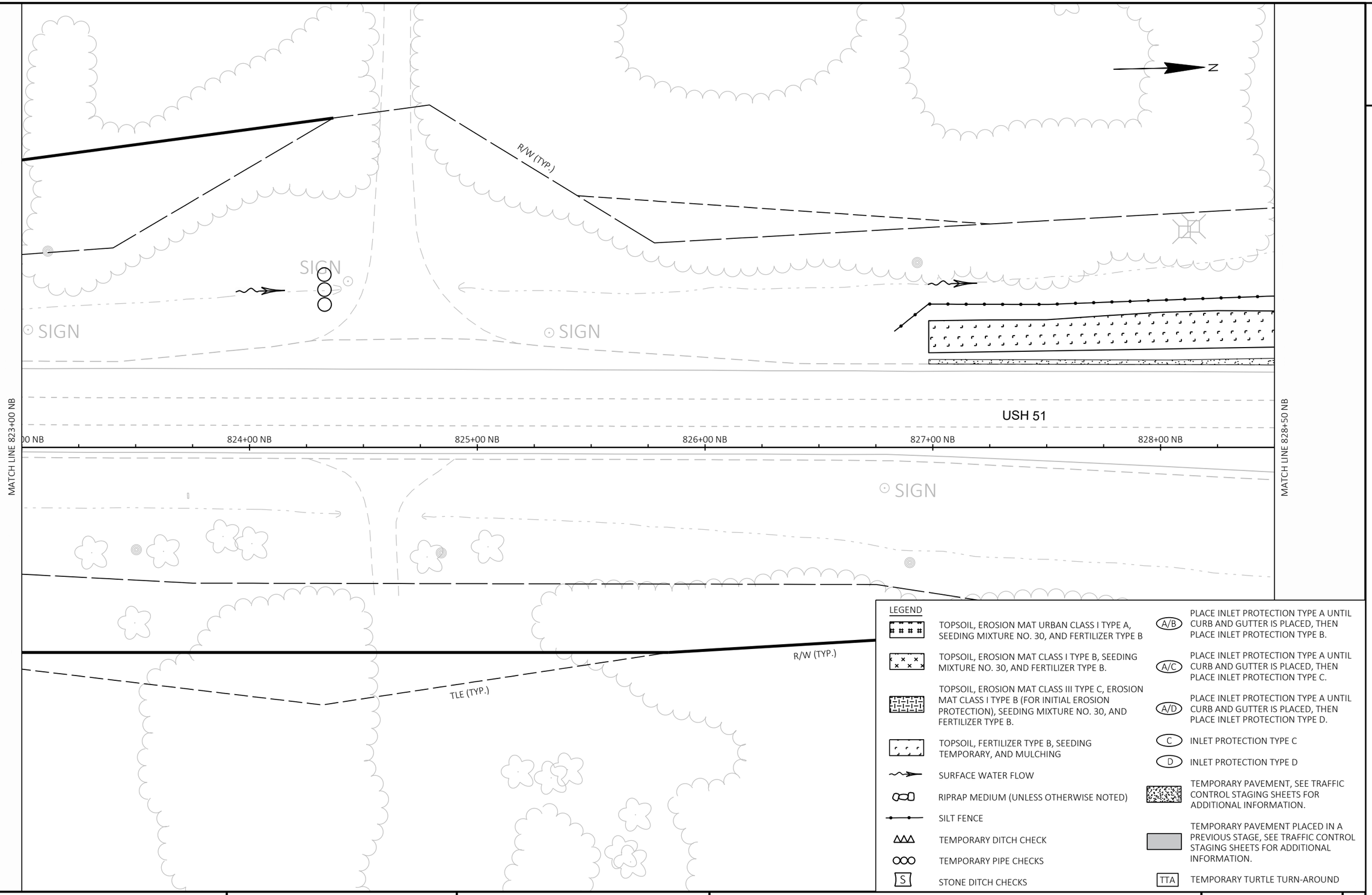


LEGEND

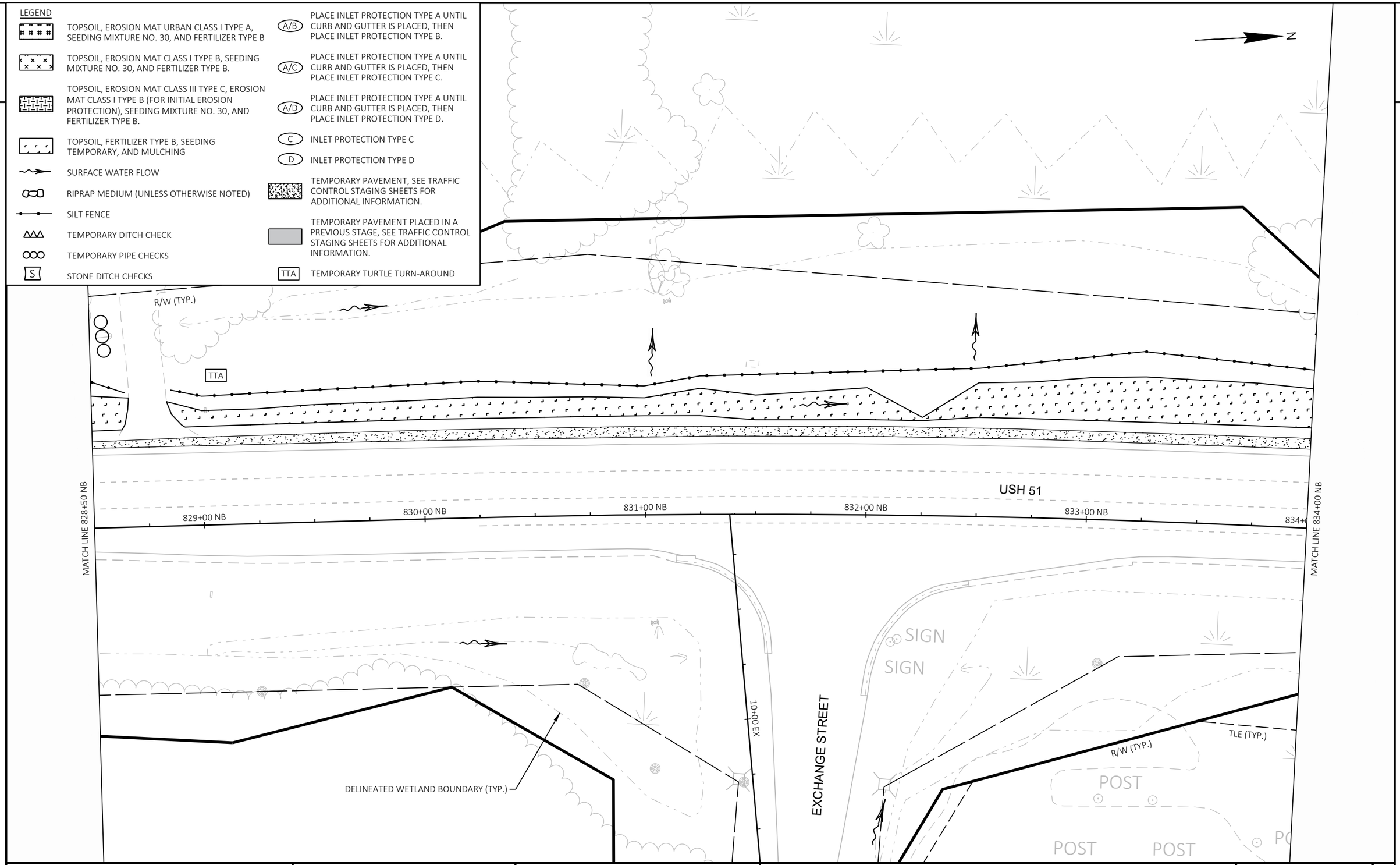
- TOPSOIL, EROSION MAT URBAN CLASS I TYPE A, SEEDING MIXTURE NO. 30, AND FERTILIZER TYPE B
- TOPSOIL, EROSION MAT CLASS I TYPE B, SEEDING MIXTURE NO. 30, AND FERTILIZER TYPE B.
- TOPSOIL, EROSION MAT CLASS III TYPE C, EROSION MAT CLASS I TYPE B (FOR INITIAL EROSION PROTECTION), SEEDING MIXTURE NO. 30, AND FERTILIZER TYPE B.
- TOPSOIL, FERTILIZER TYPE B, SEEDING TEMPORARY, AND MULCHING
- SURFACE WATER FLOW
- RIPRAP MEDIUM (UNLESS OTHERWISE NOTED)
- SILT FENCE
- TEMPORARY DITCH CHECK
- TEMPORARY PIPE CHECKS
- (S) STONE DITCH CHECKS
- (A/B) PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS PLACED, THEN PLACE INLET PROTECTION TYPE B.
- (A/C) PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS PLACED, THEN PLACE INLET PROTECTION TYPE C.
- (A/D) PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS PLACED, THEN PLACE INLET PROTECTION TYPE D.
- (C) INLET PROTECTION TYPE C
- (D) INLET PROTECTION TYPE D
- TEMPORARY PAVEMENT, SEE TRAFFIC CONTROL STAGING SHEETS FOR ADDITIONAL INFORMATION.
- TEMPORARY PAVEMENT PLACED IN A PREVIOUS STAGE, SEE TRAFFIC CONTROL STAGING SHEETS FOR ADDITIONAL INFORMATION.
- (TTA) TEMPORARY TURTLE TURN-AROUND

PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	EROSION CONTROL - STAGE 1	SHEET 46	E

2

LEGEND

- TOPSOIL, EROSION MAT URBAN CLASS I TYPE A, SEEDING MIXTURE NO. 30, AND FERTILIZER TYPE B
- TOPSOIL, EROSION MAT CLASS I TYPE B, SEEDING MIXTURE NO. 30, AND FERTILIZER TYPE B.
- TOPSOIL, EROSION MAT CLASS III TYPE C, EROSION MAT CLASS I TYPE B (FOR INITIAL EROSION PROTECTION), SEEDING MIXTURE NO. 30, AND FERTILIZER TYPE B.
- TOPSOIL, FERTILIZER TYPE B, SEEDING TEMPORARY, AND MULCHING
- SURFACE WATER FLOW
- RIPRAP MEDIUM (UNLESS OTHERWISE NOTED)
- SILT FENCE
- TEMPORARY DITCH CHECK
- TEMPORARY PIPE CHECKS
- S — STONE DITCH CHECKS
- A/B — PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS PLACED, THEN PLACE INLET PROTECTION TYPE B.
- A/C — PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS PLACED, THEN PLACE INLET PROTECTION TYPE C.
- A/D — PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS PLACED, THEN PLACE INLET PROTECTION TYPE D.
- C — INLET PROTECTION TYPE C
- D — INLET PROTECTION TYPE D
- TEMPORARY PAVEMENT, SEE TRAFFIC CONTROL STAGING SHEETS FOR ADDITIONAL INFORMATION.
- TEMPORARY PAVEMENT PLACED IN A PREVIOUS STAGE, SEE TRAFFIC CONTROL STAGING SHEETS FOR ADDITIONAL INFORMATION.
- TTA — TEMPORARY TURTLE TURN-AROUND

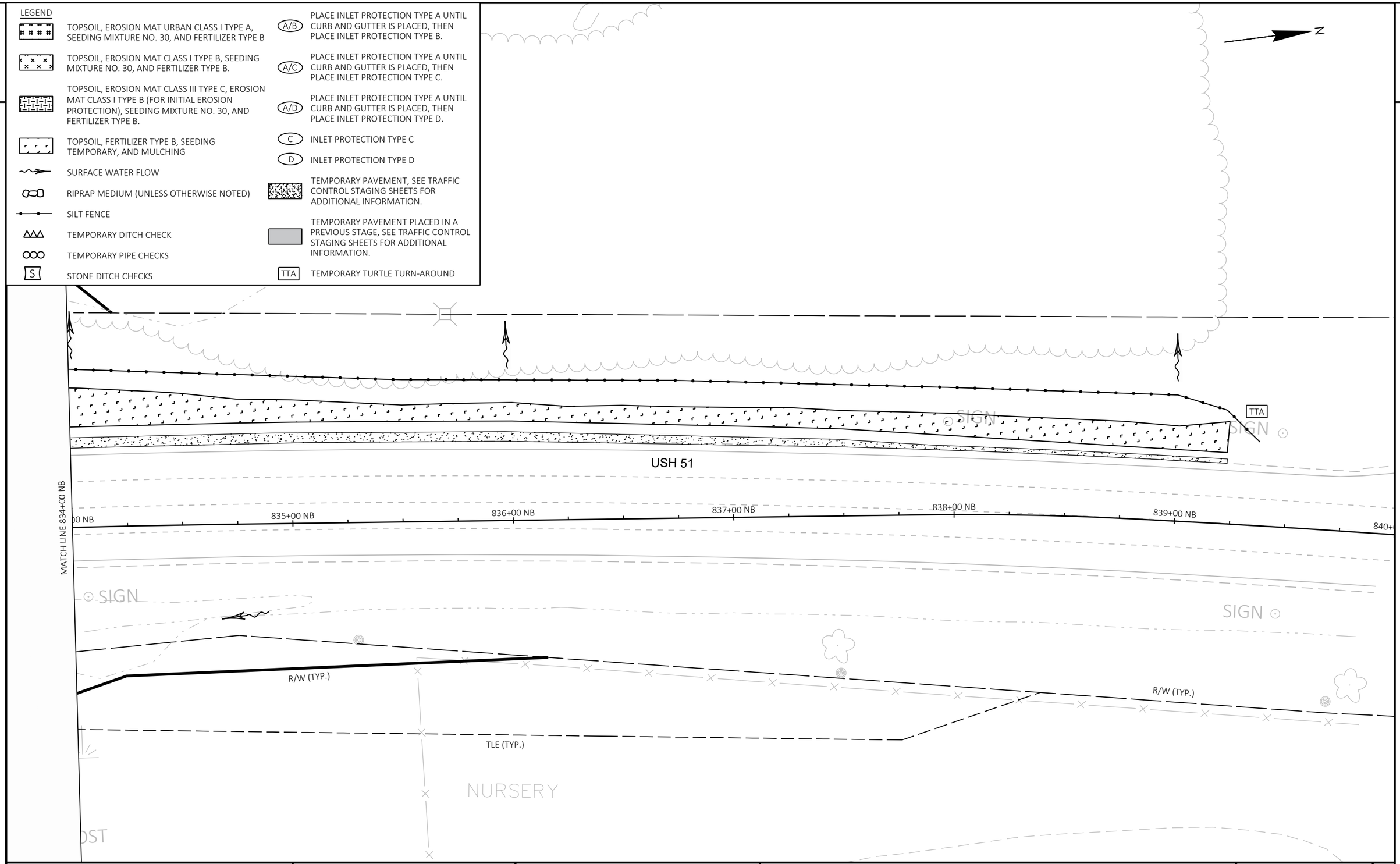


PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	EROSION CONTROL - STAGE 1	SHEET 47	E

2

LEGEND

- TOPSOIL, EROSION MAT URBAN CLASS I TYPE A, SEEDING MIXTURE NO. 30, AND FERTILIZER TYPE B
- TOPSOIL, EROSION MAT CLASS I TYPE B, SEEDING MIXTURE NO. 30, AND FERTILIZER TYPE B.
- TOPSOIL, EROSION MAT CLASS III TYPE C, EROSION MAT CLASS I TYPE B (FOR INITIAL EROSION PROTECTION), SEEDING MIXTURE NO. 30, AND FERTILIZER TYPE B.
- TOPSOIL, FERTILIZER TYPE B, SEEDING TEMPORARY, AND MULCHING
- SURFACE WATER FLOW
- RIPRAP MEDIUM (UNLESS OTHERWISE NOTED)
- SILT FENCE
- TEMPORARY DITCH CHECK
- TEMPORARY PIPE CHECKS
- S — STONE DITCH CHECKS
- A/B — PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS PLACED, THEN PLACE INLET PROTECTION TYPE B.
- A/C — PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS PLACED, THEN PLACE INLET PROTECTION TYPE C.
- A/D — PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS PLACED, THEN PLACE INLET PROTECTION TYPE D.
- C — INLET PROTECTION TYPE C
- D — INLET PROTECTION TYPE D
- TEMPORARY PAVEMENT, SEE TRAFFIC CONTROL STAGING SHEETS FOR ADDITIONAL INFORMATION.
- TEMPORARY PAVEMENT PLACED IN A PREVIOUS STAGE, SEE TRAFFIC CONTROL STAGING SHEETS FOR ADDITIONAL INFORMATION.
- TTA — TEMPORARY TURTLE TURN-AROUND



PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	EROSION CONTROL - STAGE 1	SHEET 48	E

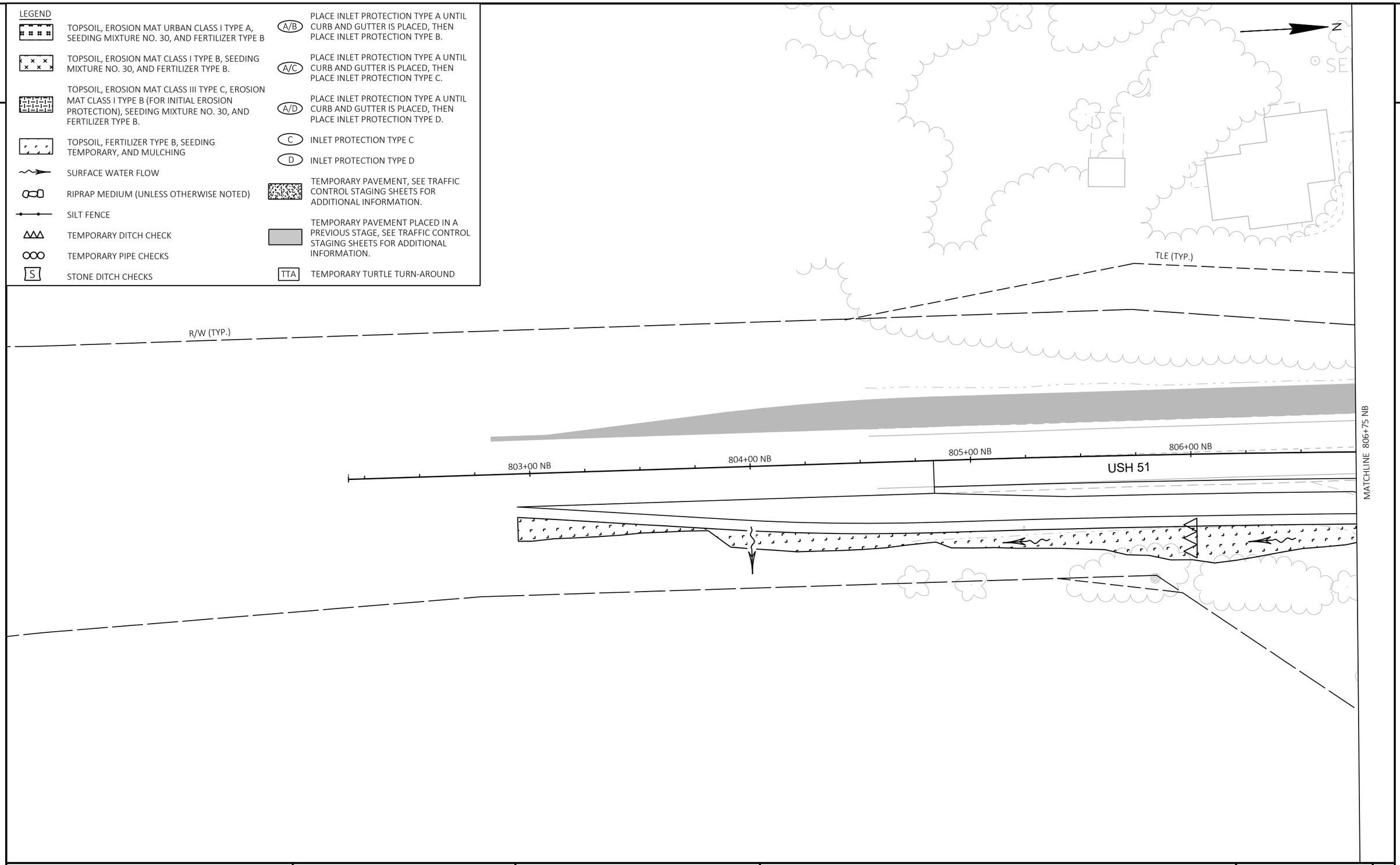
FILE NAME : S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\022001-EC-S1.DWG
LAYOUT NAME - 022007-ec-s1

PLOT DATE : 7/30/2025 11:16 PM PLOT BY : KOWALSKI, NICK PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

LEGEND

- TOPSOIL, EROSION MAT URBAN CLASS I TYPE A, SEEDING MIXTURE NO. 30, AND FERTILIZER TYPE B
- TOPSOIL, EROSION MAT CLASS I TYPE B, SEEDING MIXTURE NO. 30, AND FERTILIZER TYPE B.
- TOPSOIL, EROSION MAT CLASS III TYPE C, EROSION MAT CLASS I TYPE B (FOR INITIAL EROSION PROTECTION), SEEDING MIXTURE NO. 30, AND FERTILIZER TYPE B.
- TOPSOIL, FERTILIZER TYPE B, SEEDING TEMPORARY, AND MULCHING
- SURFACE WATER FLOW
- RIPRAP MEDIUM (UNLESS OTHERWISE NOTED)
- SILT FENCE
- TEMPORARY DITCH CHECK
- TEMPORARY PIPE CHECKS
- S — STONE DITCH CHECKS
- A/B — PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS PLACED, THEN PLACE INLET PROTECTION TYPE B.
- A/C — PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS PLACED, THEN PLACE INLET PROTECTION TYPE C.
- A/D — PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS PLACED, THEN PLACE INLET PROTECTION TYPE D.
- C — INLET PROTECTION TYPE C
- D — INLET PROTECTION TYPE D
- TEMPORARY PAVEMENT, SEE TRAFFIC CONTROL STAGING SHEETS FOR ADDITIONAL INFORMATION.
- TEMPORARY PAVEMENT PLACED IN A PREVIOUS STAGE, SEE TRAFFIC CONTROL STAGING SHEETS FOR ADDITIONAL INFORMATION.
- TTA — TEMPORARY TURTLE TURN-AROUND



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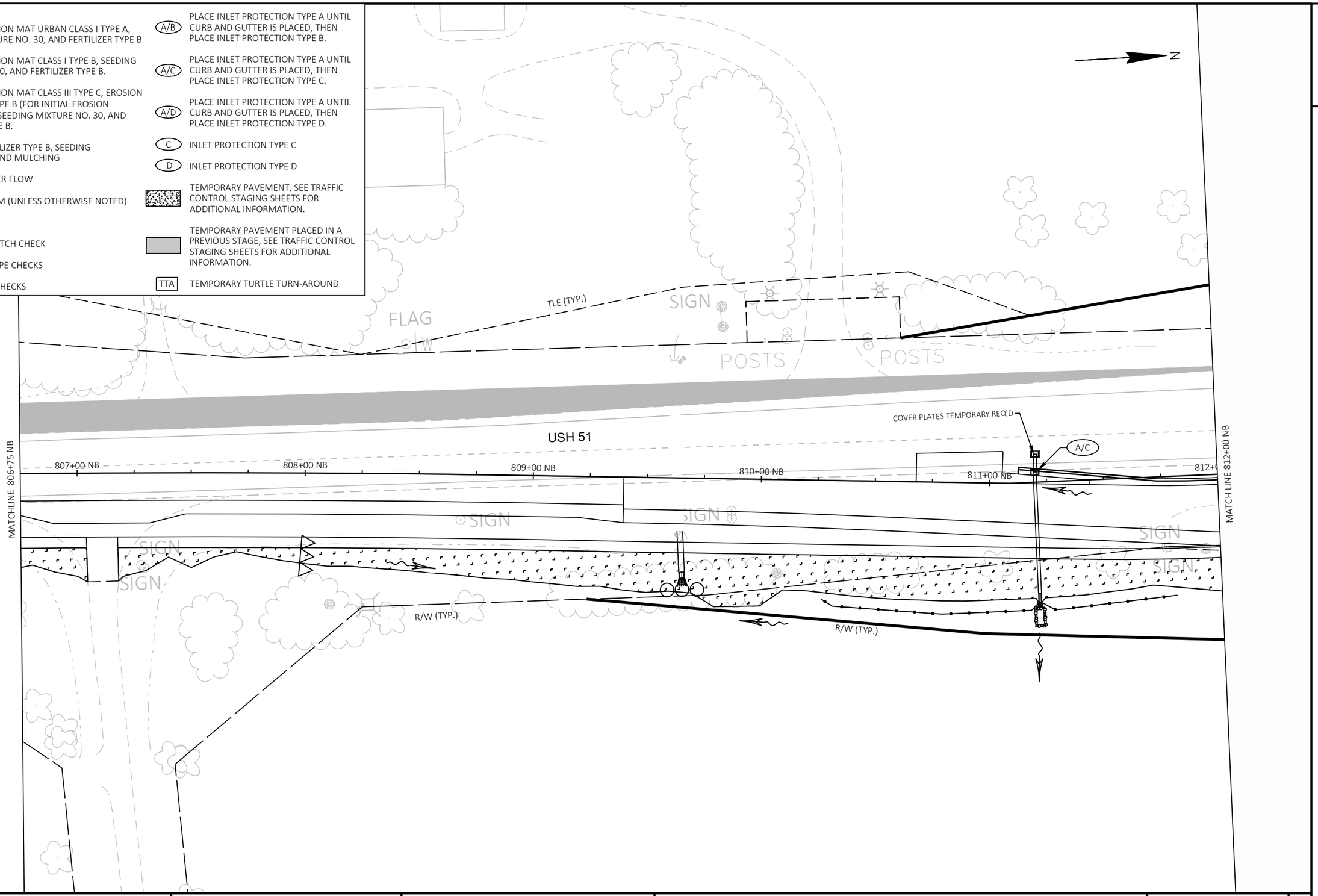
PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	EROSION CONTROL - STAGE 2	SHEET 49	E

FILE NAME : S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\022001-EC-S2.DWG
LAYOUT NAME - 022001-ec-s2
PLOT DATE : 7/30/2025 11:16 PM PLOT BY : KOWALSKI, NICK PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

LEGEND

- TOPSOIL, EROSION MAT URBAN CLASS I TYPE A, SEEDING MIXTURE NO. 30, AND FERTILIZER TYPE B
- TOPSOIL, EROSION MAT CLASS I TYPE B, SEEDING MIXTURE NO. 30, AND FERTILIZER TYPE B.
- TOPSOIL, EROSION MAT CLASS III TYPE C, EROSION MAT CLASS I TYPE B (FOR INITIAL EROSION PROTECTION), SEEDING MIXTURE NO. 30, AND FERTILIZER TYPE B.
- TOPSOIL, FERTILIZER TYPE B, SEEDING TEMPORARY, AND MULCHING
- SURFACE WATER FLOW
- RIPRAP MEDIUM (UNLESS OTHERWISE NOTED)
- SILT FENCE
- TEMPORARY DITCH CHECK
- TEMPORARY PIPE CHECKS
- S — STONE DITCH CHECKS
- A/B — PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS PLACED, THEN PLACE INLET PROTECTION TYPE B.
- A/C — PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS PLACED, THEN PLACE INLET PROTECTION TYPE C.
- A/D — PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS PLACED, THEN PLACE INLET PROTECTION TYPE D.
- C — INLET PROTECTION TYPE C
- D — INLET PROTECTION TYPE D
- TEMPORARY PAVEMENT, SEE TRAFFIC CONTROL STAGING SHEETS FOR ADDITIONAL INFORMATION.
- TEMPORARY PAVEMENT PLACED IN A PREVIOUS STAGE, SEE TRAFFIC CONTROL STAGING SHEETS FOR ADDITIONAL INFORMATION.
- TTA — TEMPORARY TURTLE TURN-AROUND



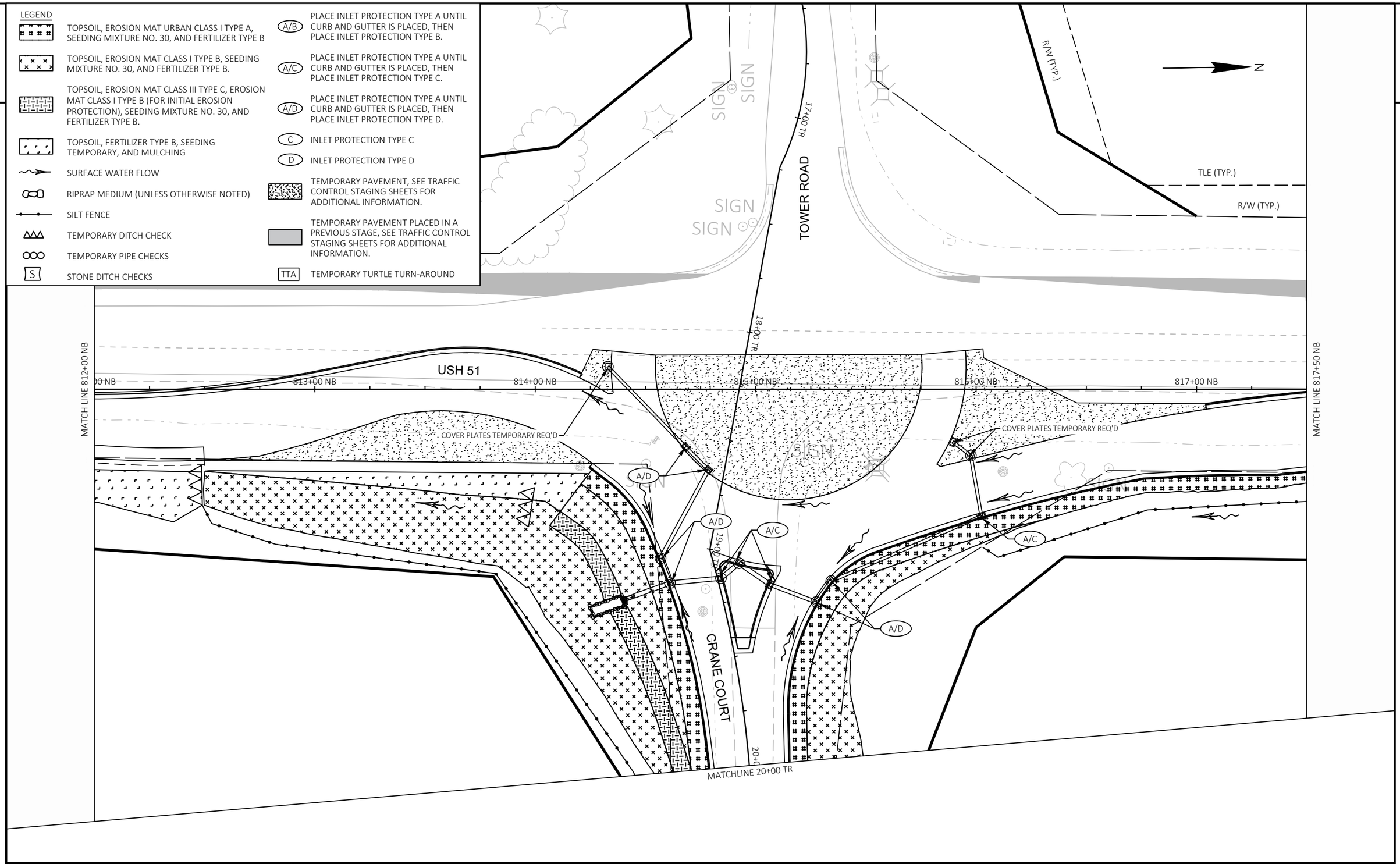
2

PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	EROSION CONTROL - STAGE 2	SHEET 50	E

FILE NAME : S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\022001-EC-S2.DWG
LAYOUT NAME - 022002-ec-s2
PLOT DATE : 7/30/2025 11:16 PM PLOT BY : KOWALSKI, NICK PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

LEGEND

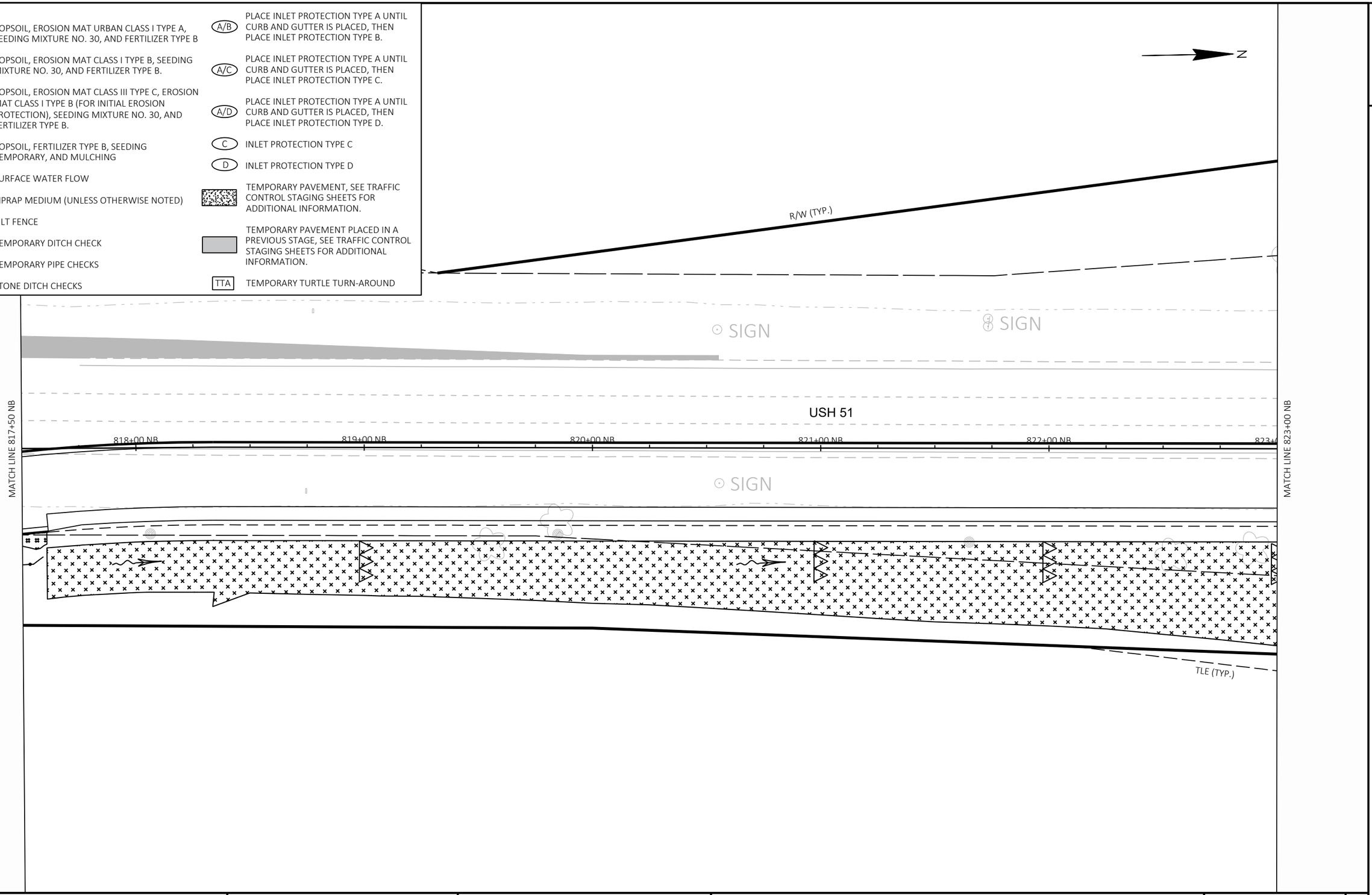
- TOPSOIL, EROSION MAT URBAN CLASS I TYPE A, SEEDING MIXTURE NO. 30, AND FERTILIZER TYPE B
- TOPSOIL, EROSION MAT CLASS I TYPE B, SEEDING MIXTURE NO. 30, AND FERTILIZER TYPE B.
- TOPSOIL, EROSION MAT CLASS III TYPE C, EROSION MAT CLASS I TYPE B (FOR INITIAL EROSION PROTECTION), SEEDING MIXTURE NO. 30, AND FERTILIZER TYPE B.
- TOPSOIL, FERTILIZER TYPE B, SEEDING TEMPORARY, AND MULCHING
- SURFACE WATER FLOW
- RIPRAP MEDIUM (UNLESS OTHERWISE NOTED)
- SILT FENCE
- TEMPORARY DITCH CHECK
- TEMPORARY PIPE CHECKS
- STONE DITCH CHECKS (S)
- PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS PLACED, THEN PLACE INLET PROTECTION TYPE B. (A/B)
- PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS PLACED, THEN PLACE INLET PROTECTION TYPE C. (A/C)
- PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS PLACED, THEN PLACE INLET PROTECTION TYPE D. (A/D)
- INLET PROTECTION TYPE C (C)
- INLET PROTECTION TYPE D (D)
- TEMPORARY PAVEMENT, SEE TRAFFIC CONTROL STAGING SHEETS FOR ADDITIONAL INFORMATION.
- TEMPORARY PAVEMENT PLACED IN A PREVIOUS STAGE, SEE TRAFFIC CONTROL STAGING SHEETS FOR ADDITIONAL INFORMATION.
- TEMPORARY TURTLE TURN-AROUND (TTA)



2

LEGEND

- TOPSOIL, EROSION MAT URBAN CLASS I TYPE A, SEEDING MIXTURE NO. 30, AND FERTILIZER TYPE B
- TOPSOIL, EROSION MAT CLASS I TYPE B, SEEDING MIXTURE NO. 30, AND FERTILIZER TYPE B.
- TOPSOIL, EROSION MAT CLASS III TYPE C, EROSION MAT CLASS I TYPE B (FOR INITIAL EROSION PROTECTION), SEEDING MIXTURE NO. 30, AND FERTILIZER TYPE B.
- TOPSOIL, FERTILIZER TYPE B, SEEDING TEMPORARY, AND MULCHING
- SURFACE WATER FLOW
- RIPRAP MEDIUM (UNLESS OTHERWISE NOTED)
- SILT FENCE
- TEMPORARY DITCH CHECK
- TEMPORARY PIPE CHECKS
- S — STONE DITCH CHECKS
- A/B — PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS PLACED, THEN PLACE INLET PROTECTION TYPE B.
- A/C — PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS PLACED, THEN PLACE INLET PROTECTION TYPE C.
- A/D — PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS PLACED, THEN PLACE INLET PROTECTION TYPE D.
- C — INLET PROTECTION TYPE C
- D — INLET PROTECTION TYPE D
- TEMPORARY PAVEMENT, SEE TRAFFIC CONTROL STAGING SHEETS FOR ADDITIONAL INFORMATION.
- TEMPORARY PAVEMENT PLACED IN A PREVIOUS STAGE, SEE TRAFFIC CONTROL STAGING SHEETS FOR ADDITIONAL INFORMATION.
- TTA — TEMPORARY TURTLE TURN-AROUND



PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	EROSION CONTROL - STAGE 2	SHEET 52	E

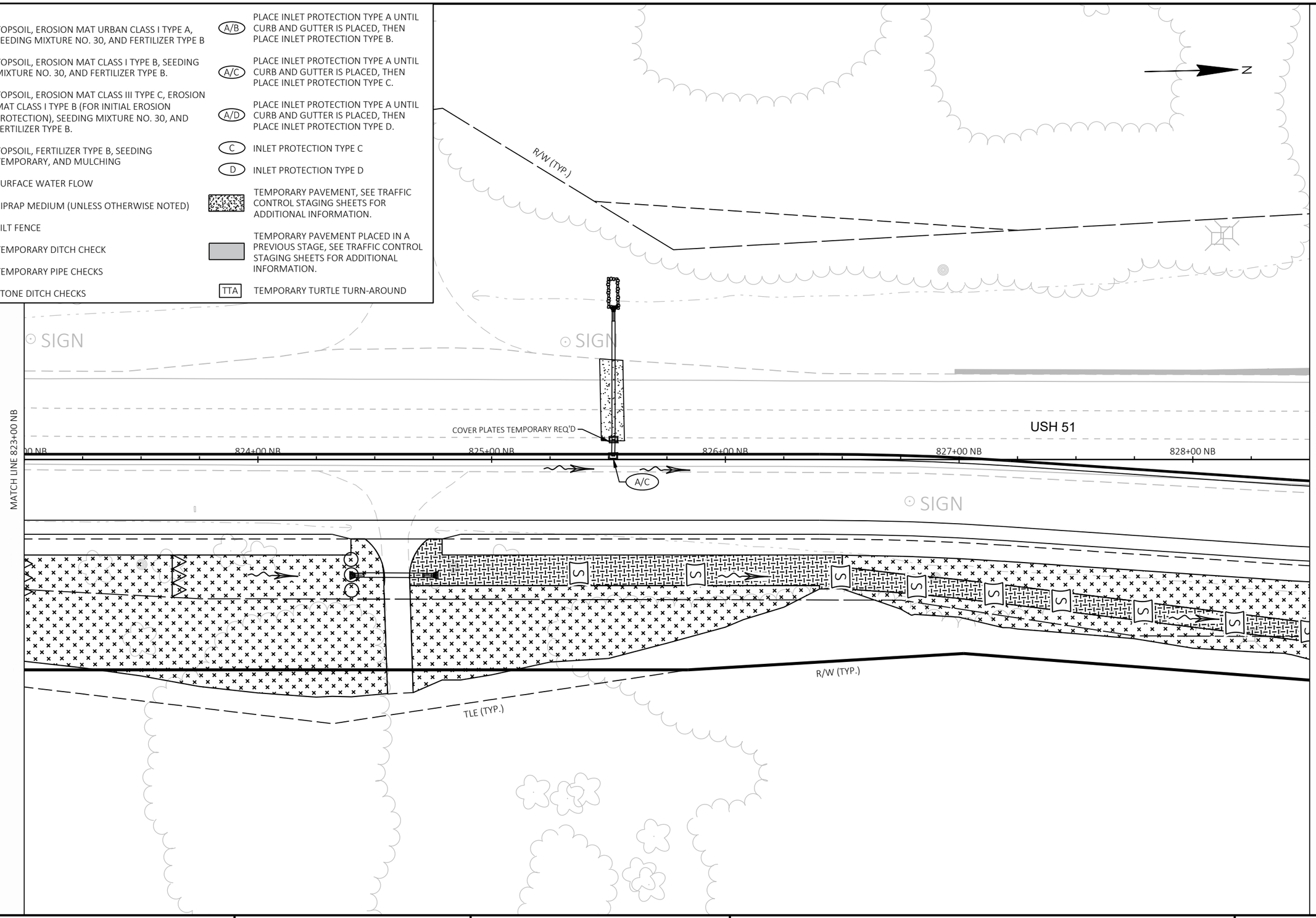
FILE NAME : S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\022001-EC-S2.DWG
LAYOUT NAME - 022004-ec-s2

PLOT DATE : 7/30/2025 11:16 PM PLOT BY : KOWALSKI, NICK PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

LEGEND

- TOPSOIL, EROSION MAT URBAN CLASS I TYPE A, SEEDING MIXTURE NO. 30, AND FERTILIZER TYPE B
- TOPSOIL, EROSION MAT CLASS I TYPE B, SEEDING MIXTURE NO. 30, AND FERTILIZER TYPE B.
- TOPSOIL, EROSION MAT CLASS III TYPE C, EROSION MAT CLASS I TYPE B (FOR INITIAL EROSION PROTECTION), SEEDING MIXTURE NO. 30, AND FERTILIZER TYPE B.
- TOPSOIL, FERTILIZER TYPE B, SEEDING TEMPORARY, AND MULCHING
- SURFACE WATER FLOW
- RIPRAP MEDIUM (UNLESS OTHERWISE NOTED)
- SILT FENCE
- TEMPORARY DITCH CHECK
- TEMPORARY PIPE CHECKS
- STONE DITCH CHECKS (S)
- PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS PLACED, THEN PLACE INLET PROTECTION TYPE B. (A/B)
- PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS PLACED, THEN PLACE INLET PROTECTION TYPE C. (A/C)
- PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS PLACED, THEN PLACE INLET PROTECTION TYPE D. (A/D)
- INLET PROTECTION TYPE C (C)
- INLET PROTECTION TYPE D (D)
- TEMPORARY PAVEMENT, SEE TRAFFIC CONTROL STAGING SHEETS FOR ADDITIONAL INFORMATION.
- TEMPORARY PAVEMENT PLACED IN A PREVIOUS STAGE, SEE TRAFFIC CONTROL STAGING SHEETS FOR ADDITIONAL INFORMATION.
- TEMPORARY TURTLE TURN-AROUND (TTA)



PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	EROSION CONTROL - STAGE 2	SHEET 53	E

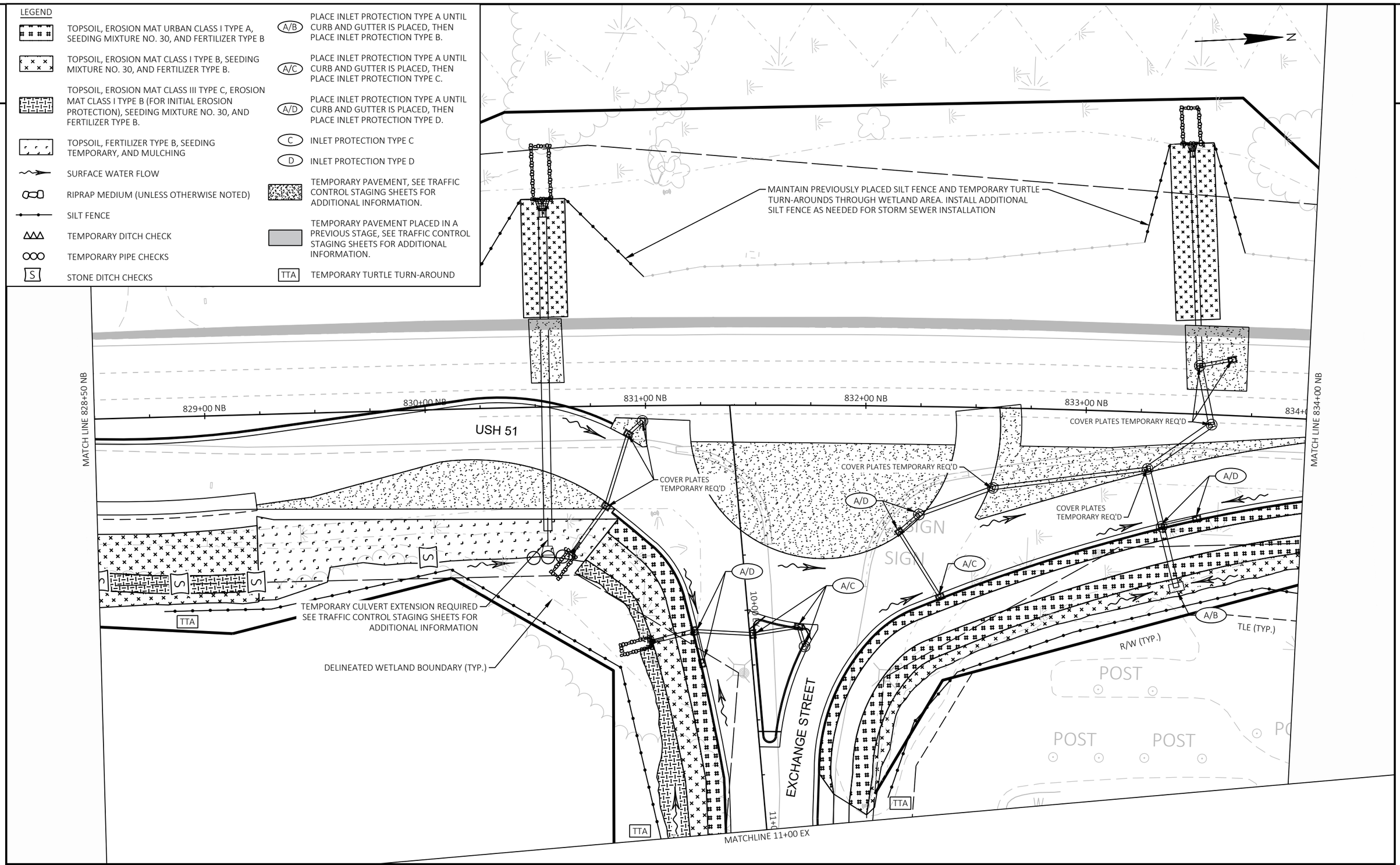
FILE NAME : S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\022001-EC-S2.DWG
LAYOUT NAME - 022005-ec-s2

PLOT DATE : 7/30/2025 11:16 PM PLOT BY : KOWALSKI, NICK PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

LEGEND

- TOPSOIL, EROSION MAT URBAN CLASS I TYPE A, SEEDING MIXTURE NO. 30, AND FERTILIZER TYPE B
- TOPSOIL, EROSION MAT CLASS I TYPE B, SEEDING MIXTURE NO. 30, AND FERTILIZER TYPE B.
- TOPSOIL, EROSION MAT CLASS III TYPE C, EROSION MAT CLASS I TYPE B (FOR INITIAL EROSION PROTECTION), SEEDING MIXTURE NO. 30, AND FERTILIZER TYPE B.
- TOPSOIL, FERTILIZER TYPE B, SEEDING TEMPORARY, AND MULCHING
- SURFACE WATER FLOW
- RIPRAP MEDIUM (UNLESS OTHERWISE NOTED)
- SILT FENCE
- TEMPORARY DITCH CHECK
- TEMPORARY PIPE CHECKS
- S — STONE DITCH CHECKS
- A/B — PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS PLACED, THEN PLACE INLET PROTECTION TYPE B.
- A/C — PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS PLACED, THEN PLACE INLET PROTECTION TYPE C.
- A/D — PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS PLACED, THEN PLACE INLET PROTECTION TYPE D.
- C — INLET PROTECTION TYPE C
- D — INLET PROTECTION TYPE D
- TEMPORARY PAVEMENT, SEE TRAFFIC CONTROL STAGING SHEETS FOR ADDITIONAL INFORMATION.
- TEMPORARY PAVEMENT PLACED IN A PREVIOUS STAGE, SEE TRAFFIC CONTROL STAGING SHEETS FOR ADDITIONAL INFORMATION.
- TTA — TEMPORARY TURTLE TURN-AROUND



2

PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	EROSION CONTROL - STAGE 2	SHEET 54	E

FILE NAME : S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\022001-EC-S2.DWG
LAYOUT NAME - 022006-ec-s2
PLOT DATE : 7/31/2025 9:25 AM
PLOT BY : KOWALSKI, NICK
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

LEGEND

- TOPSOIL, EROSION MAT URBAN CLASS I TYPE A, SEEDING MIXTURE NO. 30, AND FERTILIZER TYPE B
- TOPSOIL, EROSION MAT CLASS I TYPE B, SEEDING MIXTURE NO. 30, AND FERTILIZER TYPE B.
- TOPSOIL, EROSION MAT CLASS III TYPE C, EROSION MAT CLASS I TYPE B (FOR INITIAL EROSION PROTECTION), SEEDING MIXTURE NO. 30, AND FERTILIZER TYPE B.
- TOPSOIL, FERTILIZER TYPE B, SEEDING TEMPORARY, AND MULCHING
- SURFACE WATER FLOW
- RIPRAP MEDIUM (UNLESS OTHERWISE NOTED)
- SILT FENCE
- TEMPORARY DITCH CHECK
- TEMPORARY PIPE CHECKS
- S — STONE DITCH CHECKS
- A/B — PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS PLACED, THEN PLACE INLET PROTECTION TYPE B.
- A/C — PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS PLACED, THEN PLACE INLET PROTECTION TYPE C.
- A/D — PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS PLACED, THEN PLACE INLET PROTECTION TYPE D.
- C — INLET PROTECTION TYPE C
- D — INLET PROTECTION TYPE D
- TEMPORARY PAVEMENT, SEE TRAFFIC CONTROL STAGING SHEETS FOR ADDITIONAL INFORMATION.
- TEMPORARY PAVEMENT PLACED IN A PREVIOUS STAGE, SEE TRAFFIC CONTROL STAGING SHEETS FOR ADDITIONAL INFORMATION.
- TTA — TEMPORARY TURTLE TURN-AROUND

N

DELINEATED WETLAND BOUNDARY (TYP.)

MAINTAIN PREVIOUSLY PLACED SILT FENCE AND TEMPORARY TURTLE TURN-AROUNDS THROUGH WETLAND AREA.

SIGN

SIGN

USH 51

MATCH LINE 834+00 NB

00 NB

835+00 NB

836+00 NB

837+00 NB

838+00 NB

839+00 NB

SIGN

SIGN

R/W (TYP.)

TTA

TLE (TYP.)

R/W (TYP.)

NURSERY

OST

2

PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	EROSION CONTROL - STAGE 2	SHEET 55	E

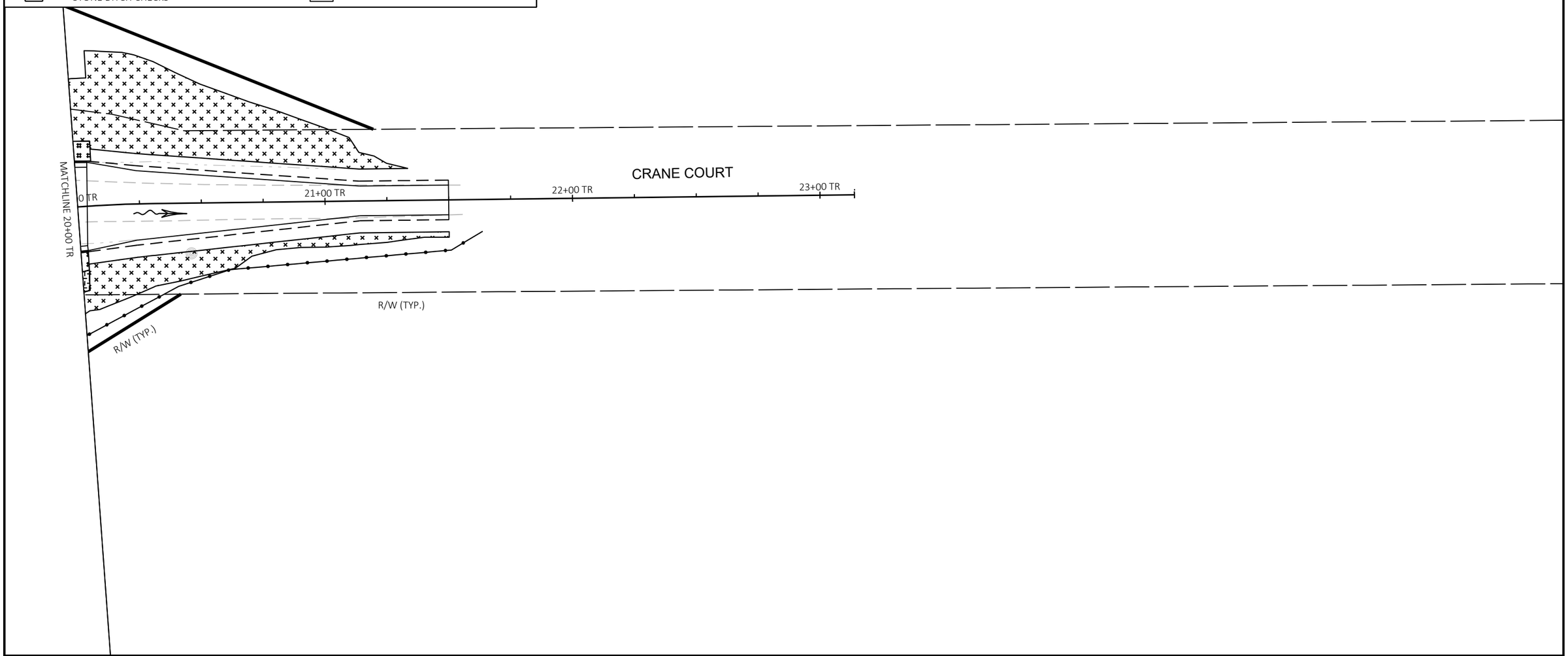
FILE NAME : S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\022001-EC-S2.DWG
LAYOUT NAME - 022007-ec-s2

PLOT DATE : 7/30/2025 11:16 PM PLOT BY : KOWALSKI, NICK PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

LEGEND

- TOPSOIL, EROSION MAT URBAN CLASS I TYPE A, SEEDING MIXTURE NO. 30, AND FERTILIZER TYPE B
- TOPSOIL, EROSION MAT CLASS I TYPE B, SEEDING MIXTURE NO. 30, AND FERTILIZER TYPE B.
- TOPSOIL, EROSION MAT CLASS III TYPE C, EROSION MAT CLASS I TYPE B (FOR INITIAL EROSION PROTECTION), SEEDING MIXTURE NO. 30, AND FERTILIZER TYPE B.
- TOPSOIL, FERTILIZER TYPE B, SEEDING TEMPORARY, AND MULCHING
- SURFACE WATER FLOW
- RIPRAP MEDIUM (UNLESS OTHERWISE NOTED)
- SILT FENCE
- TEMPORARY DITCH CHECK
- TEMPORARY PIPE CHECKS
- S — STONE DITCH CHECKS
- A/B — PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS PLACED, THEN PLACE INLET PROTECTION TYPE B.
- A/C — PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS PLACED, THEN PLACE INLET PROTECTION TYPE C.
- A/D — PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS PLACED, THEN PLACE INLET PROTECTION TYPE D.
- C — INLET PROTECTION TYPE C
- D — INLET PROTECTION TYPE D
- TEMPORARY PAVEMENT, SEE TRAFFIC CONTROL STAGING SHEETS FOR ADDITIONAL INFORMATION.
- TEMPORARY PAVEMENT PLACED IN A PREVIOUS STAGE, SEE TRAFFIC CONTROL STAGING SHEETS FOR ADDITIONAL INFORMATION.
- TTA — TEMPORARY TURTLE TURN-AROUND



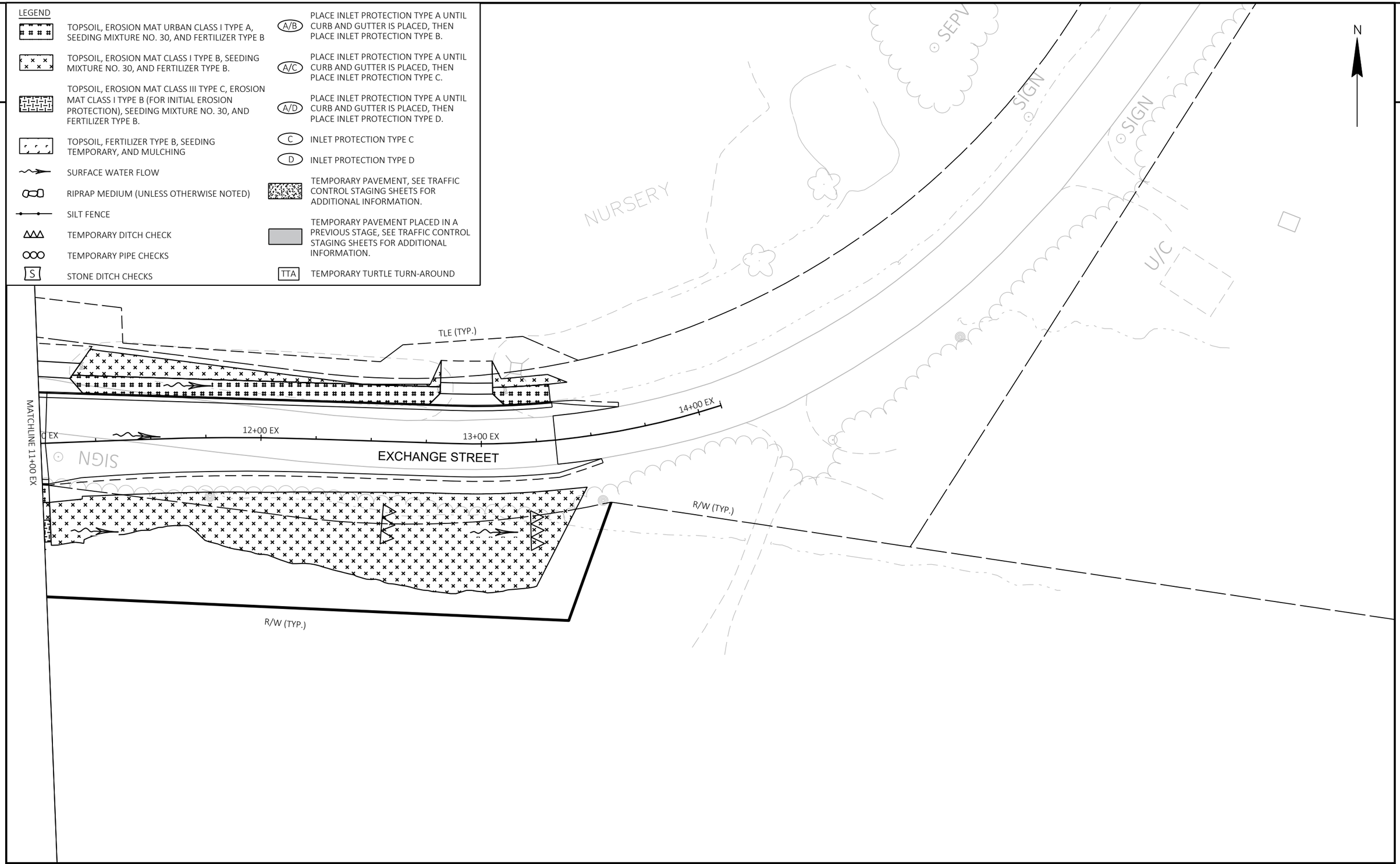
2

PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	EROSION CONTROL - STAGE 2	SHEET 56	E

2

LEGEND

- TOPSOIL, EROSION MAT URBAN CLASS I TYPE A, SEEDING MIXTURE NO. 30, AND FERTILIZER TYPE B
- TOPSOIL, EROSION MAT CLASS I TYPE B, SEEDING MIXTURE NO. 30, AND FERTILIZER TYPE B.
- TOPSOIL, EROSION MAT CLASS III TYPE C, EROSION MAT CLASS I TYPE B (FOR INITIAL EROSION PROTECTION), SEEDING MIXTURE NO. 30, AND FERTILIZER TYPE B.
- TOPSOIL, FERTILIZER TYPE B, SEEDING TEMPORARY, AND MULCHING
- SURFACE WATER FLOW
- RIPRAP MEDIUM (UNLESS OTHERWISE NOTED)
- SILT FENCE
- TEMPORARY DITCH CHECK
- TEMPORARY PIPE CHECKS
- S — STONE DITCH CHECKS
- A/B — PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS PLACED, THEN PLACE INLET PROTECTION TYPE B.
- A/C — PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS PLACED, THEN PLACE INLET PROTECTION TYPE C.
- A/D — PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS PLACED, THEN PLACE INLET PROTECTION TYPE D.
- C — INLET PROTECTION TYPE C
- D — INLET PROTECTION TYPE D
- TEMPORARY PAVEMENT, SEE TRAFFIC CONTROL STAGING SHEETS FOR ADDITIONAL INFORMATION.
- TEMPORARY PAVEMENT PLACED IN A PREVIOUS STAGE, SEE TRAFFIC CONTROL STAGING SHEETS FOR ADDITIONAL INFORMATION.
- TTA — TEMPORARY TURTLE TURN-AROUND



PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	EROSION CONTROL - STAGE 2	SHEET 57	E

FILE NAME : S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\022001-EC-S2.DWG
LAYOUT NAME - 022009-ec-s2

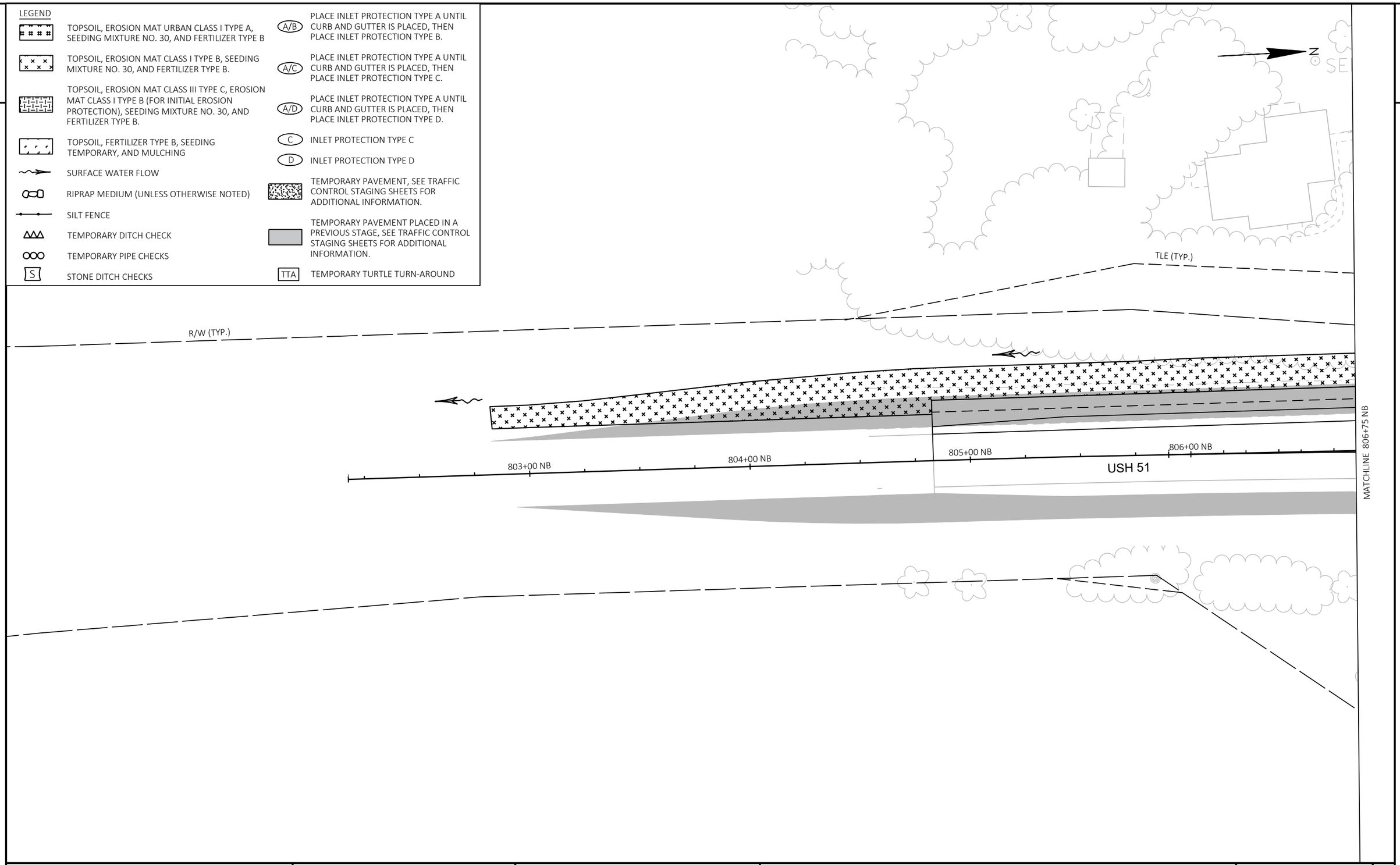
PLOT DATE : 7/30/2025 11:16 PM PLOT BY : KOWALSKI, NICK PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- TOPSOIL, EROSION MAT URBAN CLASS I TYPE A, SEEDING MIXTURE NO. 30, AND FERTILIZER TYPE B
- TOPSOIL, EROSION MAT CLASS I TYPE B, SEEDING MIXTURE NO. 30, AND FERTILIZER TYPE B.
- TOPSOIL, EROSION MAT CLASS III TYPE C, EROSION MAT CLASS I TYPE B (FOR INITIAL EROSION PROTECTION), SEEDING MIXTURE NO. 30, AND FERTILIZER TYPE B.
- TOPSOIL, FERTILIZER TYPE B, SEEDING TEMPORARY, AND MULCHING
- SURFACE WATER FLOW
- RIPRAP MEDIUM (UNLESS OTHERWISE NOTED)
- SILT FENCE
- TEMPORARY DITCH CHECK
- TEMPORARY PIPE CHECKS
- S — STONE DITCH CHECKS
- A/B — PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS PLACED, THEN PLACE INLET PROTECTION TYPE B.
- A/C — PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS PLACED, THEN PLACE INLET PROTECTION TYPE C.
- A/D — PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS PLACED, THEN PLACE INLET PROTECTION TYPE D.
- C — INLET PROTECTION TYPE C
- D — INLET PROTECTION TYPE D
- TEMPORARY PAVEMENT, SEE TRAFFIC CONTROL STAGING SHEETS FOR ADDITIONAL INFORMATION.
- TEMPORARY PAVEMENT PLACED IN A PREVIOUS STAGE, SEE TRAFFIC CONTROL STAGING SHEETS FOR ADDITIONAL INFORMATION.
- TTA — TEMPORARY TURTLE TURN-AROUND



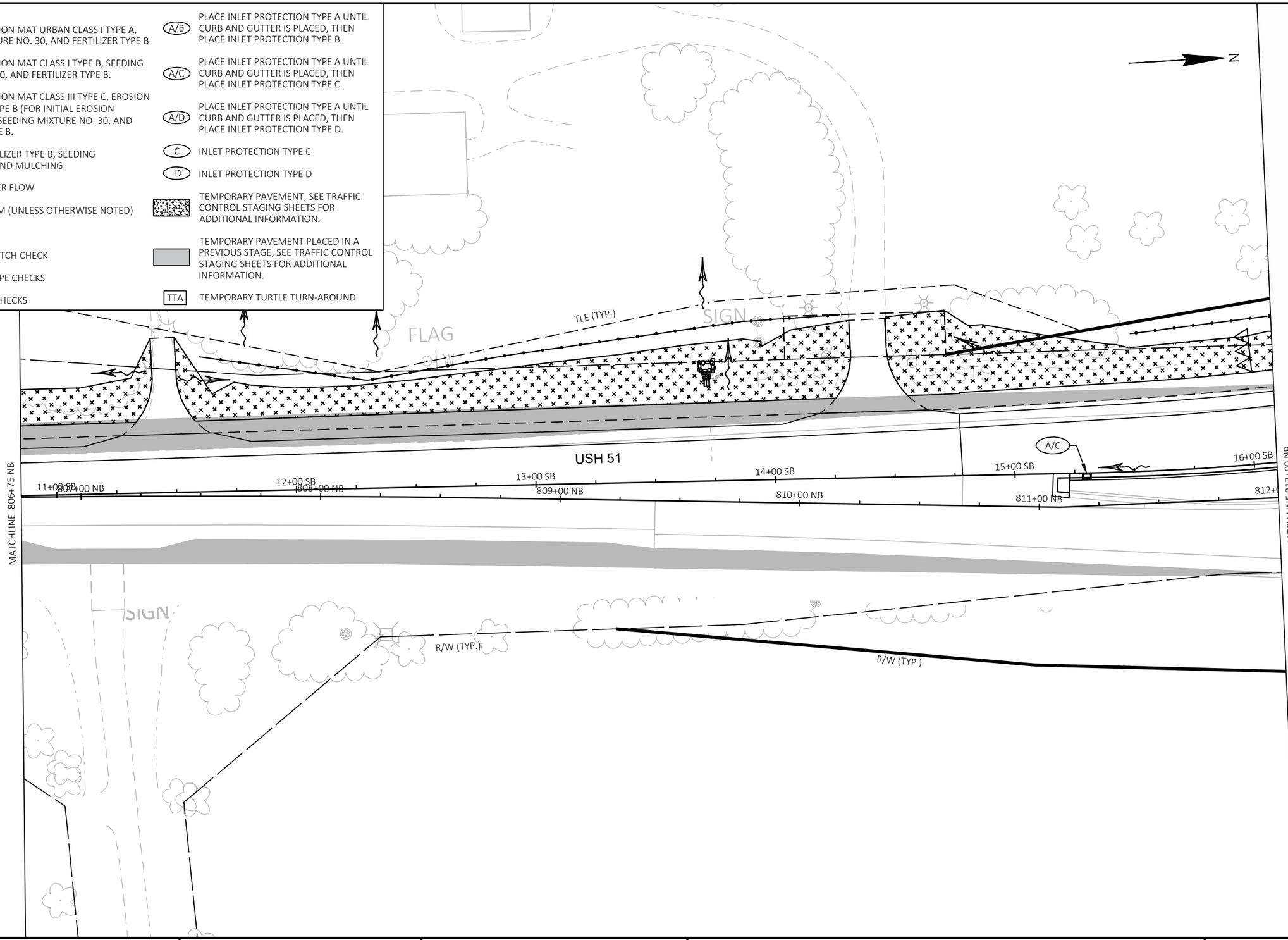
2

PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	EROSION CONTROL - STAGE 3	SHEET 58	E

2

LEGEND

- TOPSOIL, EROSION MAT URBAN CLASS I TYPE A, SEEDING MIXTURE NO. 30, AND FERTILIZER TYPE B
- TOPSOIL, EROSION MAT CLASS I TYPE B, SEEDING MIXTURE NO. 30, AND FERTILIZER TYPE B.
- TOPSOIL, EROSION MAT CLASS III TYPE C, EROSION MAT CLASS I TYPE B (FOR INITIAL EROSION PROTECTION), SEEDING MIXTURE NO. 30, AND FERTILIZER TYPE B.
- TOPSOIL, FERTILIZER TYPE B, SEEDING TEMPORARY, AND MULCHING
- SURFACE WATER FLOW
- RIPRAP MEDIUM (UNLESS OTHERWISE NOTED)
- SILT FENCE
- TEMPORARY DITCH CHECK
- TEMPORARY PIPE CHECKS
- (S) STONE DITCH CHECKS
- (A/B) PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS PLACED, THEN PLACE INLET PROTECTION TYPE B.
- (A/C) PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS PLACED, THEN PLACE INLET PROTECTION TYPE C.
- (A/D) PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS PLACED, THEN PLACE INLET PROTECTION TYPE D.
- (C) INLET PROTECTION TYPE C
- (D) INLET PROTECTION TYPE D
- TEMPORARY PAVEMENT, SEE TRAFFIC CONTROL STAGING SHEETS FOR ADDITIONAL INFORMATION.
- TEMPORARY PAVEMENT PLACED IN A PREVIOUS STAGE, SEE TRAFFIC CONTROL STAGING SHEETS FOR ADDITIONAL INFORMATION.
- (TTA) TEMPORARY TURTLE TURN-AROUND



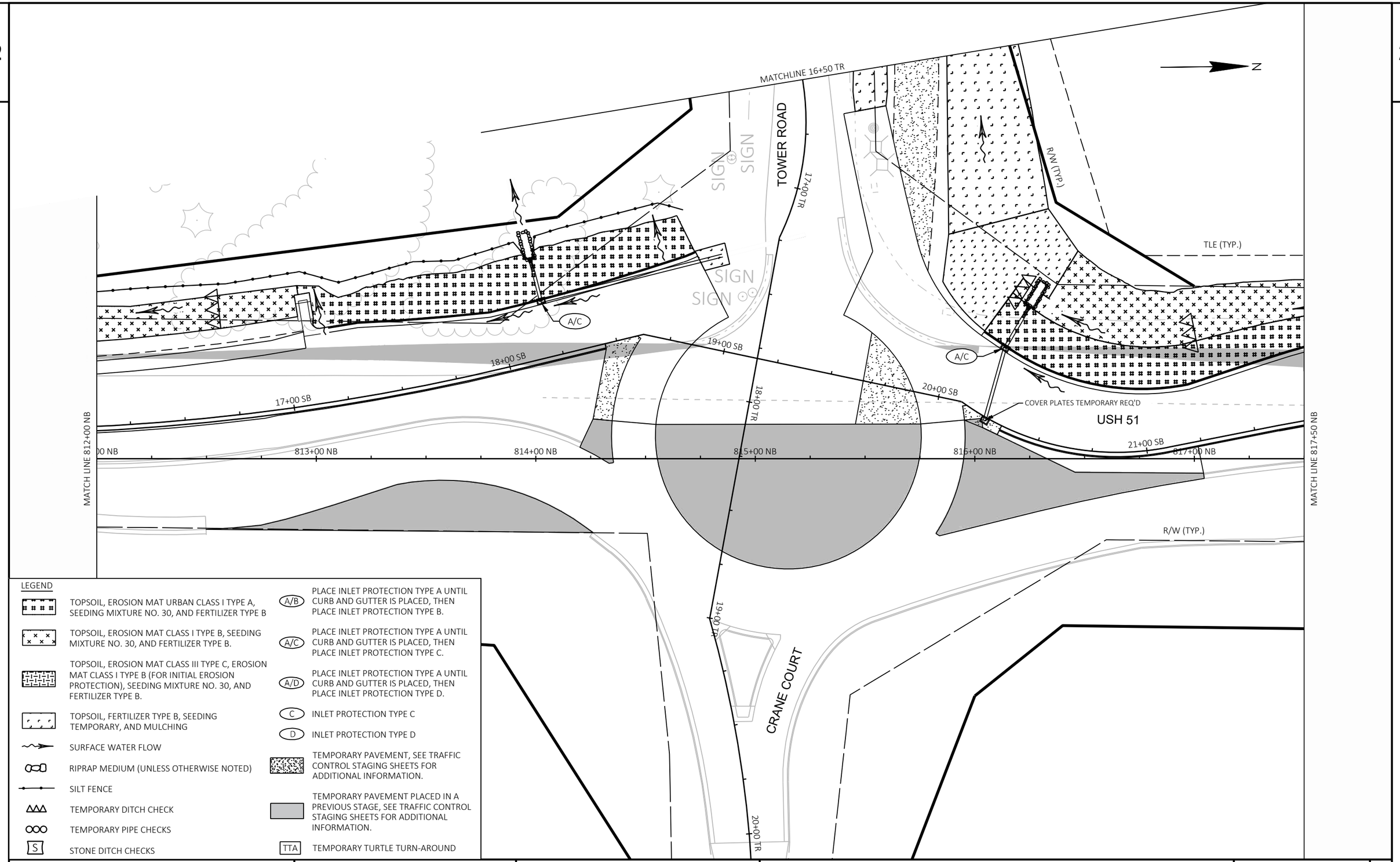
PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	EROSION CONTROL - STAGE 3	SHEET 59	E

FILE NAME : S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\022001-EC-S3.DWG
LAYOUT NAME - 022002-ec-s3

PLOT DATE : 9/26/2025 11:23 AM PLOT BY : HABERKORN, DEVEN PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

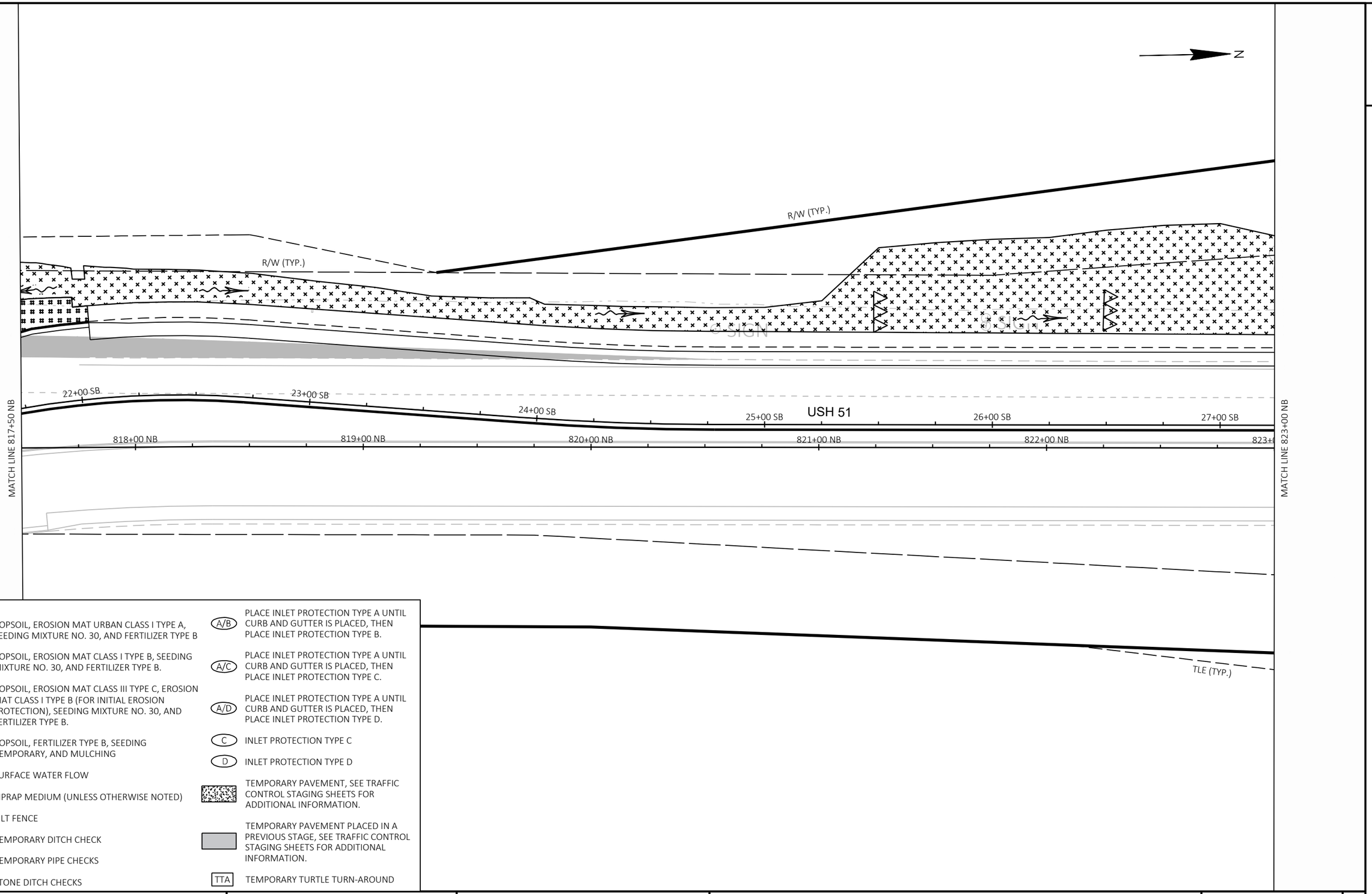


LEGEND

- TOPSOIL, EROSION MAT URBAN CLASS I TYPE A, SEEDING MIXTURE NO. 30, AND FERTILIZER TYPE B
- TOPSOIL, EROSION MAT CLASS I TYPE B, SEEDING MIXTURE NO. 30, AND FERTILIZER TYPE B.
- TOPSOIL, EROSION MAT CLASS III TYPE C, EROSION MAT CLASS I TYPE B (FOR INITIAL EROSION PROTECTION), SEEDING MIXTURE NO. 30, AND FERTILIZER TYPE B.
- TOPSOIL, FERTILIZER TYPE B, SEEDING TEMPORARY, AND MULCHING
- SURFACE WATER FLOW
- RIPRAP MEDIUM (UNLESS OTHERWISE NOTED)
- SILT FENCE
- TEMPORARY DITCH CHECK
- TEMPORARY PIPE CHECKS
- S — STONE DITCH CHECKS
- A/B — PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS PLACED, THEN PLACE INLET PROTECTION TYPE B.
- A/C — PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS PLACED, THEN PLACE INLET PROTECTION TYPE C.
- A/D — PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS PLACED, THEN PLACE INLET PROTECTION TYPE D.
- C — INLET PROTECTION TYPE C
- D — INLET PROTECTION TYPE D
- TEMPORARY PAVEMENT, SEE TRAFFIC CONTROL STAGING SHEETS FOR ADDITIONAL INFORMATION.
- TEMPORARY PAVEMENT PLACED IN A PREVIOUS STAGE, SEE TRAFFIC CONTROL STAGING SHEETS FOR ADDITIONAL INFORMATION.
- TTA — TEMPORARY TURTLE TURN-AROUND

PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	EROSION CONTROL - STAGE 3	SHEET 60	E

2



LEGEND

- TOPSOIL, EROSION MAT URBAN CLASS I TYPE A, SEEDING MIXTURE NO. 30, AND FERTILIZER TYPE B
- TOPSOIL, EROSION MAT CLASS I TYPE B, SEEDING MIXTURE NO. 30, AND FERTILIZER TYPE B.
- TOPSOIL, EROSION MAT CLASS III TYPE C, EROSION MAT CLASS I TYPE B (FOR INITIAL EROSION PROTECTION), SEEDING MIXTURE NO. 30, AND FERTILIZER TYPE B.
- TOPSOIL, FERTILIZER TYPE B, SEEDING TEMPORARY, AND MULCHING
- SURFACE WATER FLOW
- RIPRAP MEDIUM (UNLESS OTHERWISE NOTED)
- SILT FENCE
- TEMPORARY DITCH CHECK
- TEMPORARY PIPE CHECKS
- S — STONE DITCH CHECKS
- A/B — PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS PLACED, THEN PLACE INLET PROTECTION TYPE B.
- A/C — PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS PLACED, THEN PLACE INLET PROTECTION TYPE C.
- A/D — PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS PLACED, THEN PLACE INLET PROTECTION TYPE D.
- C — INLET PROTECTION TYPE C
- D — INLET PROTECTION TYPE D
- TEMPORARY PAVEMENT, SEE TRAFFIC CONTROL STAGING SHEETS FOR ADDITIONAL INFORMATION.
- TEMPORARY PAVEMENT PLACED IN A PREVIOUS STAGE, SEE TRAFFIC CONTROL STAGING SHEETS FOR ADDITIONAL INFORMATION.
- TTA — TEMPORARY TURTLE TURN-AROUND

PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	EROSION CONTROL - STAGE 3	SHEET 61	E

2

N

R/W (TYP.)

S

A/C

28+00 SB

29+00 SB

30+00 SB

31+00 SB

USH 51

32+00 SB

MATCH LINE 823+00 NB

824+00 NB

825+00 NB

826+00 NB

827+00 NB

828+00 NB

MATCH LINE 828+50 NB

R/W (TYP.)

TLE (TYP.)

LEGEND

- TOPSOIL, EROSION MAT URBAN CLASS I TYPE A, SEEDING MIXTURE NO. 30, AND FERTILIZER TYPE B
- TOPSOIL, EROSION MAT CLASS I TYPE B, SEEDING MIXTURE NO. 30, AND FERTILIZER TYPE B.
- TOPSOIL, EROSION MAT CLASS III TYPE C, EROSION MAT CLASS I TYPE B (FOR INITIAL EROSION PROTECTION), SEEDING MIXTURE NO. 30, AND FERTILIZER TYPE B.
- TOPSOIL, FERTILIZER TYPE B, SEEDING TEMPORARY, AND MULCHING
- SURFACE WATER FLOW
- RIPRAP MEDIUM (UNLESS OTHERWISE NOTED)
- SILT FENCE
- TEMPORARY DITCH CHECK
- TEMPORARY PIPE CHECKS
- S — STONE DITCH CHECKS
- A/B — PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS PLACED, THEN PLACE INLET PROTECTION TYPE B.
- A/C — PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS PLACED, THEN PLACE INLET PROTECTION TYPE C.
- A/D — PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS PLACED, THEN PLACE INLET PROTECTION TYPE D.
- C — INLET PROTECTION TYPE C
- D — INLET PROTECTION TYPE D
- TEMPORARY PAVEMENT, SEE TRAFFIC CONTROL STAGING SHEETS FOR ADDITIONAL INFORMATION.
- TEMPORARY PAVEMENT PLACED IN A PREVIOUS STAGE, SEE TRAFFIC CONTROL STAGING SHEETS FOR ADDITIONAL INFORMATION.
- TTA — TEMPORARY TURTLE TURN-AROUND

PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	EROSION CONTROL - STAGE 3	SHEET 62	E

FILE NAME : S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\022001-EC-S3.DWG
LAYOUT NAME - 022005-ec-s3

PLOT DATE : 9/26/2025 11:23 AM PLOT BY : HABERKORN, DEVEN PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

N

R/W (TYP.)

TTA

A/D

A/C

35+00 SB

36+00 SB

COVER PLATES TEMPORARY REQ'D

USH 51

A/D

33+00 SB

34+00 SB

829+00 NB

830+00 NB

831+00 NB

832+00 NB

37+00 SB

833+00 NB

38+00 SB

A/D

MATCH LINE 828+50 NB

MATCH LINE 834+00 NB

MAINTAIN PREVIOUSLY PLACED SILT FENCE AND TEMPORARY TURTLE TURN-AROUNDS THROUGH WETLAND AREA.

10+00 EX

EXCHANGE STREET

R/W (TYP.)

TLE (TYP.)

POST

POST

POST

DELINEATED WETLAND BOUNDARY (TYP.)

LEGEND

- TOPSOIL, EROSION MAT URBAN CLASS I TYPE A, SEEDING MIXTURE NO. 30, AND FERTILIZER TYPE B
- TOPSOIL, EROSION MAT CLASS I TYPE B, SEEDING MIXTURE NO. 30, AND FERTILIZER TYPE B.
- TOPSOIL, EROSION MAT CLASS III TYPE C, EROSION MAT CLASS I TYPE B (FOR INITIAL EROSION PROTECTION), SEEDING MIXTURE NO. 30, AND FERTILIZER TYPE B.
- TOPSOIL, FERTILIZER TYPE B, SEEDING TEMPORARY, AND MULCHING
- SURFACE WATER FLOW
- RIPRAP MEDIUM (UNLESS OTHERWISE NOTED)
- SILT FENCE
- TEMPORARY DITCH CHECK
- TEMPORARY PIPE CHECKS
- S — STONE DITCH CHECKS
- A/B — PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS PLACED, THEN PLACE INLET PROTECTION TYPE B.
- A/C — PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS PLACED, THEN PLACE INLET PROTECTION TYPE C.
- A/D — PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS PLACED, THEN PLACE INLET PROTECTION TYPE D.
- C — INLET PROTECTION TYPE C
- D — INLET PROTECTION TYPE D
- TEMPORARY PAVEMENT, SEE TRAFFIC CONTROL STAGING SHEETS FOR ADDITIONAL INFORMATION.
- TEMPORARY PAVEMENT PLACED IN A PREVIOUS STAGE, SEE TRAFFIC CONTROL STAGING SHEETS FOR ADDITIONAL INFORMATION.
- TTA — TEMPORARY TURTLE TURN-AROUND

PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	EROSION CONTROL - STAGE 3	SHEET 63	E

FILE NAME : S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\022001-EC-S3.DWG
LAYOUT NAME - 022006-ec-s3

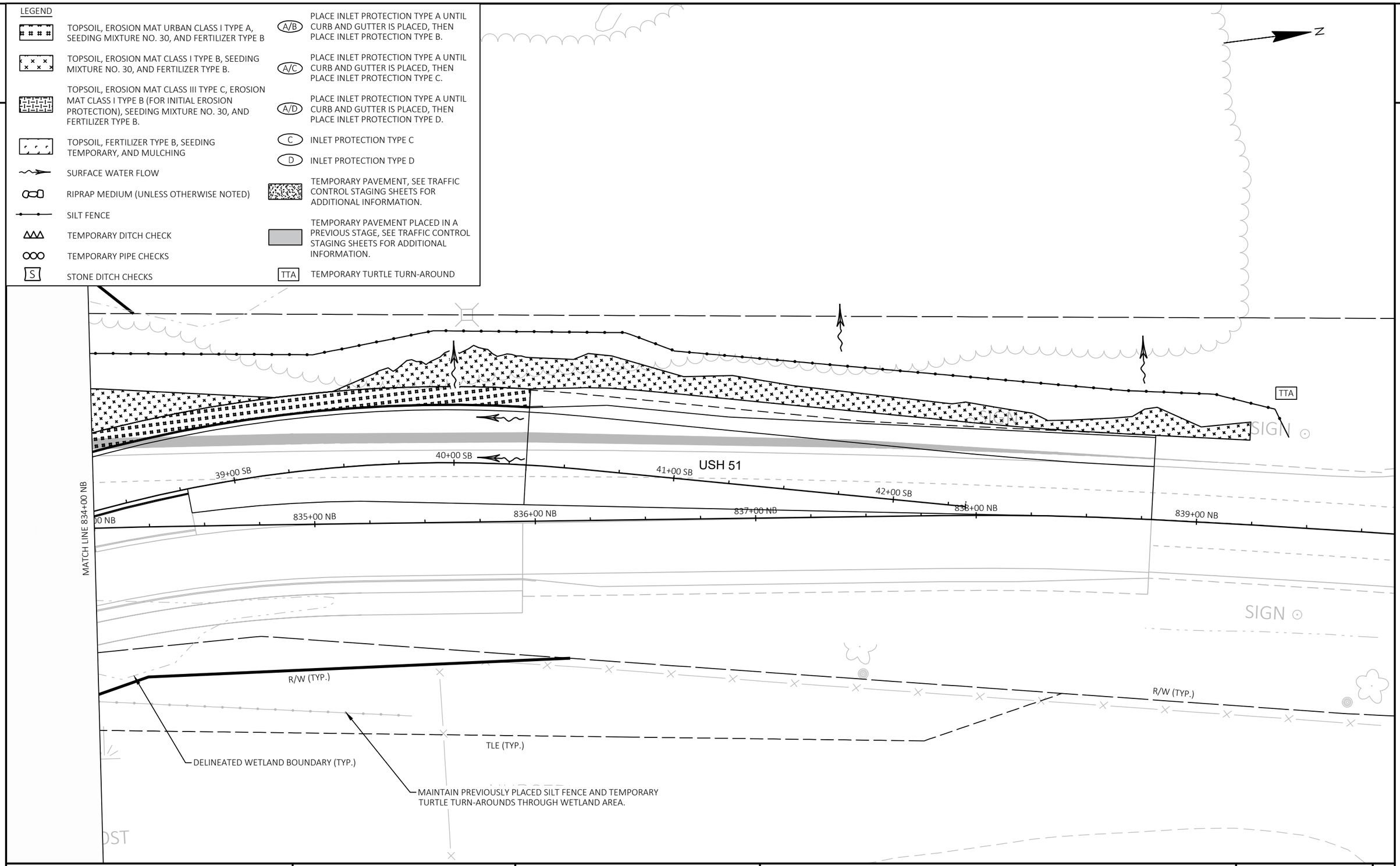
PLOT DATE : 9/26/2025 11:23 AM PLOT BY : HABERKORN, DEVEN PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- TOPSOIL, EROSION MAT URBAN CLASS I TYPE A, SEEDING MIXTURE NO. 30, AND FERTILIZER TYPE B
- TOPSOIL, EROSION MAT CLASS I TYPE B, SEEDING MIXTURE NO. 30, AND FERTILIZER TYPE B.
- TOPSOIL, EROSION MAT CLASS III TYPE C, EROSION MAT CLASS I TYPE B (FOR INITIAL EROSION PROTECTION), SEEDING MIXTURE NO. 30, AND FERTILIZER TYPE B.
- TOPSOIL, FERTILIZER TYPE B, SEEDING TEMPORARY, AND MULCHING
- SURFACE WATER FLOW
- RIPRAP MEDIUM (UNLESS OTHERWISE NOTED)
- SILT FENCE
- TEMPORARY DITCH CHECK
- TEMPORARY PIPE CHECKS
- S — STONE DITCH CHECKS
- A/B — PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS PLACED, THEN PLACE INLET PROTECTION TYPE B.
- A/C — PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS PLACED, THEN PLACE INLET PROTECTION TYPE C.
- A/D — PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS PLACED, THEN PLACE INLET PROTECTION TYPE D.
- C — INLET PROTECTION TYPE C
- D — INLET PROTECTION TYPE D
- TEMPORARY PAVEMENT, SEE TRAFFIC CONTROL STAGING SHEETS FOR ADDITIONAL INFORMATION.
- TEMPORARY PAVEMENT PLACED IN A PREVIOUS STAGE, SEE TRAFFIC CONTROL STAGING SHEETS FOR ADDITIONAL INFORMATION.
- TTA — TEMPORARY TURTLE TURN-AROUND



PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	EROSION CONTROL - STAGE 3	SHEET 64	E

FILE NAME : S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\022001-EC-S3.DWG
LAYOUT NAME - 022007-ec-s3

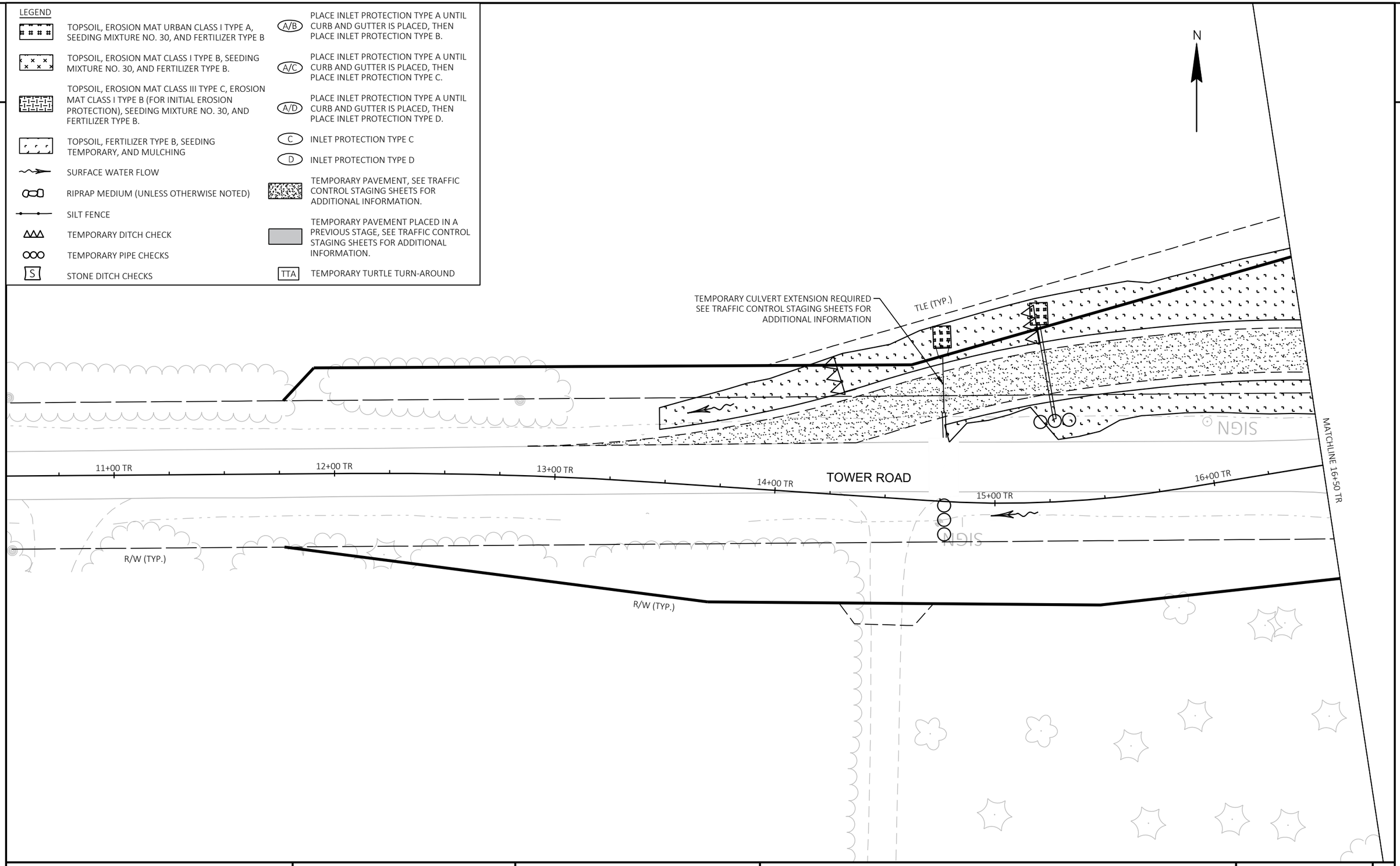
PLOT DATE : 9/26/2025 11:23 AM PLOT BY : HABERKORN, DEVEN PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- TOPSOIL, EROSION MAT URBAN CLASS I TYPE A, SEEDING MIXTURE NO. 30, AND FERTILIZER TYPE B
- TOPSOIL, EROSION MAT CLASS I TYPE B, SEEDING MIXTURE NO. 30, AND FERTILIZER TYPE B.
- TOPSOIL, EROSION MAT CLASS III TYPE C, EROSION MAT CLASS I TYPE B (FOR INITIAL EROSION PROTECTION), SEEDING MIXTURE NO. 30, AND FERTILIZER TYPE B.
- TOPSOIL, FERTILIZER TYPE B, SEEDING TEMPORARY, AND MULCHING
- SURFACE WATER FLOW
- RIPRAP MEDIUM (UNLESS OTHERWISE NOTED)
- SILT FENCE
- TEMPORARY DITCH CHECK
- TEMPORARY PIPE CHECKS
- S — STONE DITCH CHECKS
- A/B — PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS PLACED, THEN PLACE INLET PROTECTION TYPE B.
- A/C — PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS PLACED, THEN PLACE INLET PROTECTION TYPE C.
- A/D — PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS PLACED, THEN PLACE INLET PROTECTION TYPE D.
- C — INLET PROTECTION TYPE C
- D — INLET PROTECTION TYPE D
- TEMPORARY PAVEMENT, SEE TRAFFIC CONTROL STAGING SHEETS FOR ADDITIONAL INFORMATION.
- TEMPORARY PAVEMENT PLACED IN A PREVIOUS STAGE, SEE TRAFFIC CONTROL STAGING SHEETS FOR ADDITIONAL INFORMATION.
- TTA — TEMPORARY TURTLE TURN-AROUND



2

PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	EROSION CONTROL - STAGE 3	SHEET 65	E

FILE NAME : S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\022001-EC-S3.DWG
LAYOUT NAME - 022008-ec-s3

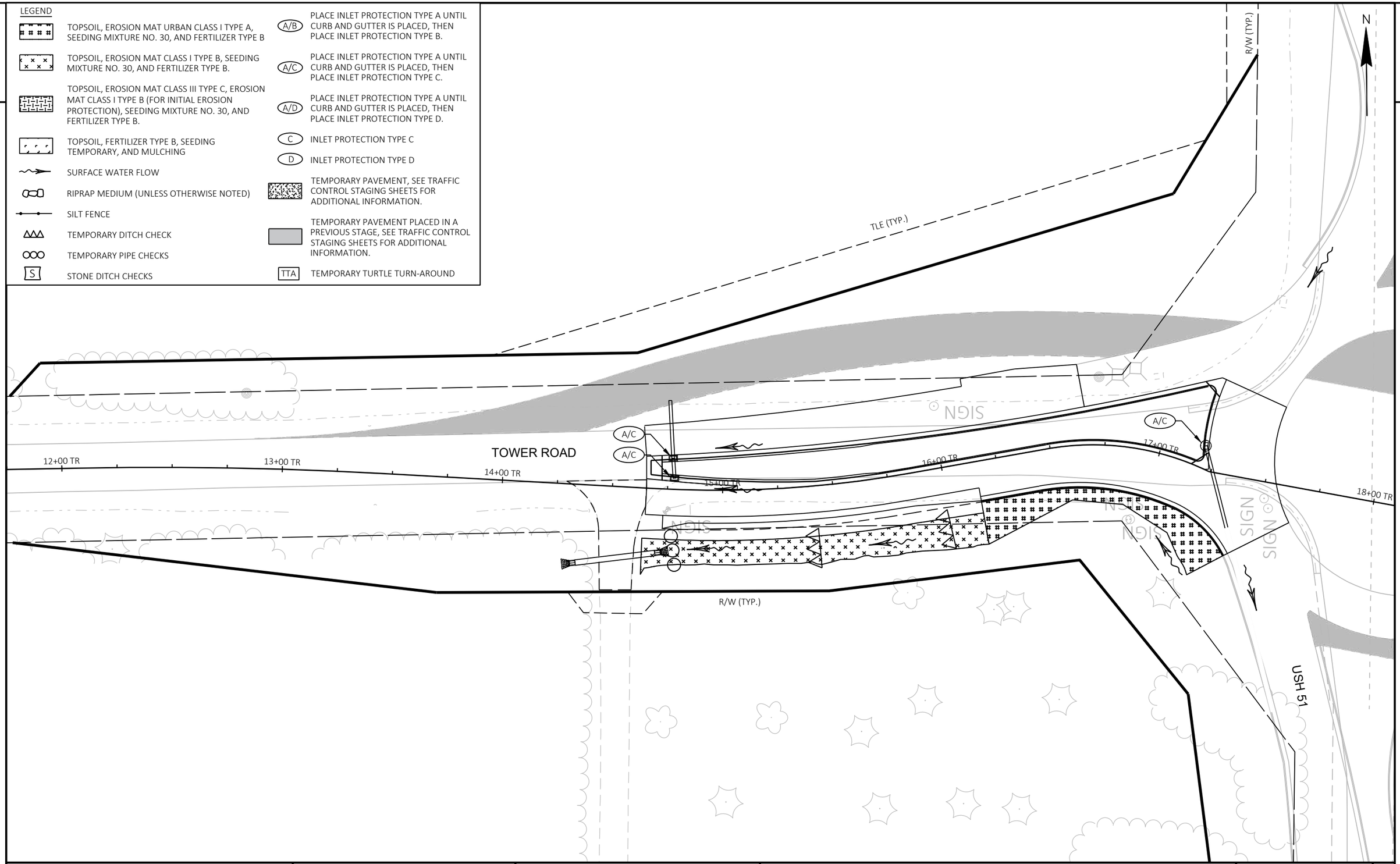
PLOT DATE : 9/26/2025 11:23 AM PLOT BY : HABERKORN, DEVEN PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- TOPSOIL, EROSION MAT URBAN CLASS I TYPE A, SEEDING MIXTURE NO. 30, AND FERTILIZER TYPE B
- TOPSOIL, EROSION MAT CLASS I TYPE B, SEEDING MIXTURE NO. 30, AND FERTILIZER TYPE B.
- TOPSOIL, EROSION MAT CLASS III TYPE C, EROSION MAT CLASS I TYPE B (FOR INITIAL EROSION PROTECTION), SEEDING MIXTURE NO. 30, AND FERTILIZER TYPE B.
- TOPSOIL, FERTILIZER TYPE B, SEEDING TEMPORARY, AND MULCHING
- SURFACE WATER FLOW
- RIPRAP MEDIUM (UNLESS OTHERWISE NOTED)
- SILT FENCE
- TEMPORARY DITCH CHECK
- TEMPORARY PIPE CHECKS
- S — STONE DITCH CHECKS
- A/B — PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS PLACED, THEN PLACE INLET PROTECTION TYPE B.
- A/C — PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS PLACED, THEN PLACE INLET PROTECTION TYPE C.
- A/D — PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS PLACED, THEN PLACE INLET PROTECTION TYPE D.
- C — INLET PROTECTION TYPE C
- D — INLET PROTECTION TYPE D
- TEMPORARY PAVEMENT, SEE TRAFFIC CONTROL STAGING SHEETS FOR ADDITIONAL INFORMATION.
- TEMPORARY PAVEMENT PLACED IN A PREVIOUS STAGE, SEE TRAFFIC CONTROL STAGING SHEETS FOR ADDITIONAL INFORMATION.
- TTA — TEMPORARY TURTLE TURN-AROUND



2

PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	EROSION CONTROL - STAGE 3A	SHEET 66	E

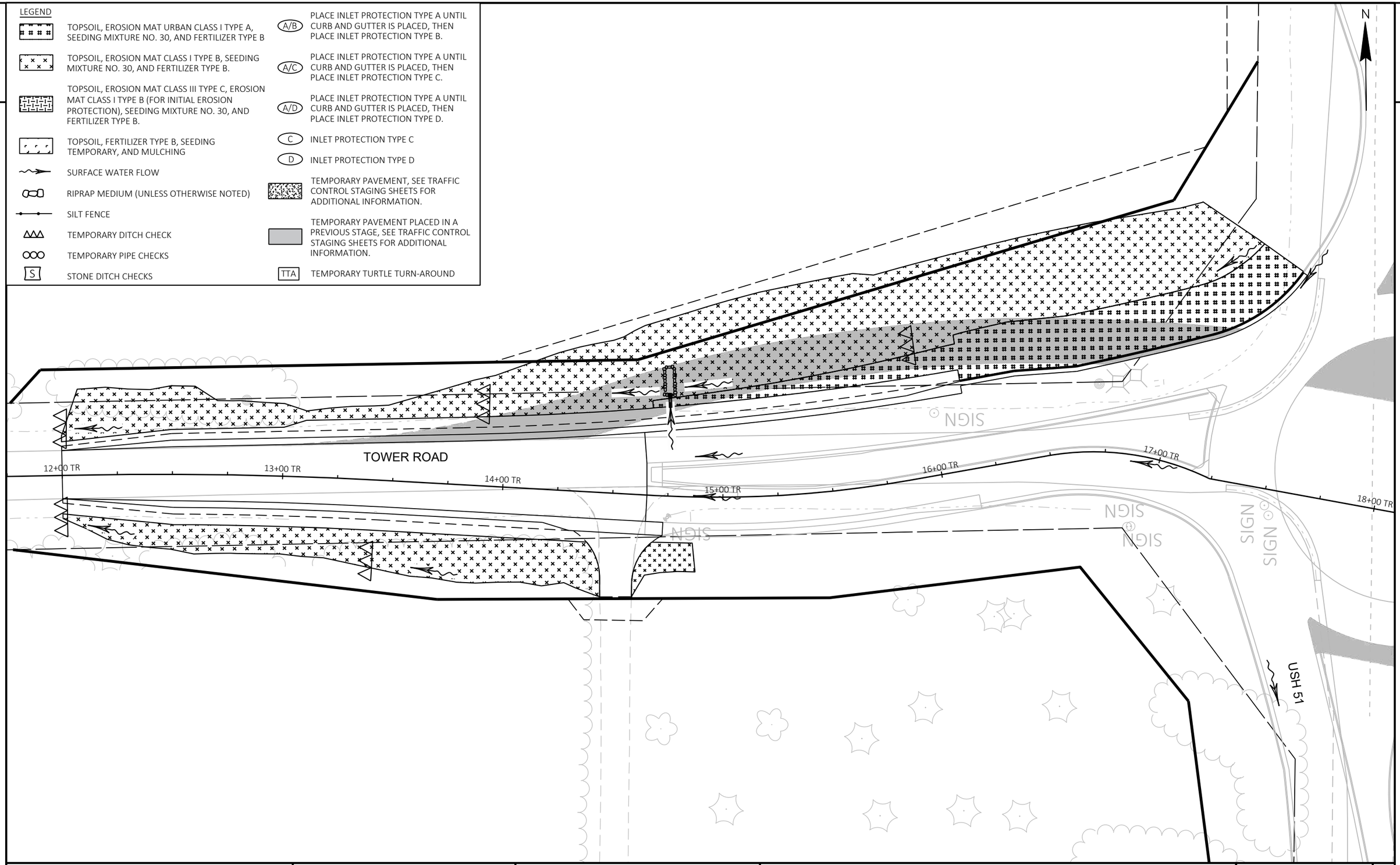
FILE NAME : S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\022001-EC-S3A.DWG
LAYOUT NAME - 022001-ec-s3a

PLOT DATE : 7/30/2025 11:17 PM PLOT BY : KOWALSKI, NICK PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

LEGEND

- TOPSOIL, EROSION MAT URBAN CLASS I TYPE A, SEEDING MIXTURE NO. 30, AND FERTILIZER TYPE B
- TOPSOIL, EROSION MAT CLASS I TYPE B, SEEDING MIXTURE NO. 30, AND FERTILIZER TYPE B.
- TOPSOIL, EROSION MAT CLASS III TYPE C, EROSION MAT CLASS I TYPE B (FOR INITIAL EROSION PROTECTION), SEEDING MIXTURE NO. 30, AND FERTILIZER TYPE B.
- TOPSOIL, FERTILIZER TYPE B, SEEDING TEMPORARY, AND MULCHING
- SURFACE WATER FLOW
- RIPRAP MEDIUM (UNLESS OTHERWISE NOTED)
- SILT FENCE
- TEMPORARY DITCH CHECK
- TEMPORARY PIPE CHECKS
- S — STONE DITCH CHECKS
- A/B — PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS PLACED, THEN PLACE INLET PROTECTION TYPE B.
- A/C — PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS PLACED, THEN PLACE INLET PROTECTION TYPE C.
- A/D — PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS PLACED, THEN PLACE INLET PROTECTION TYPE D.
- C — INLET PROTECTION TYPE C
- D — INLET PROTECTION TYPE D
- TEMPORARY PAVEMENT, SEE TRAFFIC CONTROL STAGING SHEETS FOR ADDITIONAL INFORMATION.
- TEMPORARY PAVEMENT PLACED IN A PREVIOUS STAGE, SEE TRAFFIC CONTROL STAGING SHEETS FOR ADDITIONAL INFORMATION.
- TTA — TEMPORARY TURTLE TURN-AROUND



PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	EROSION CONTROL - STAGE 3B	SHEET 67	E

FILE NAME : S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\022001-EC-S3B.DWG
LAYOUT NAME - 022001-ec-s3b

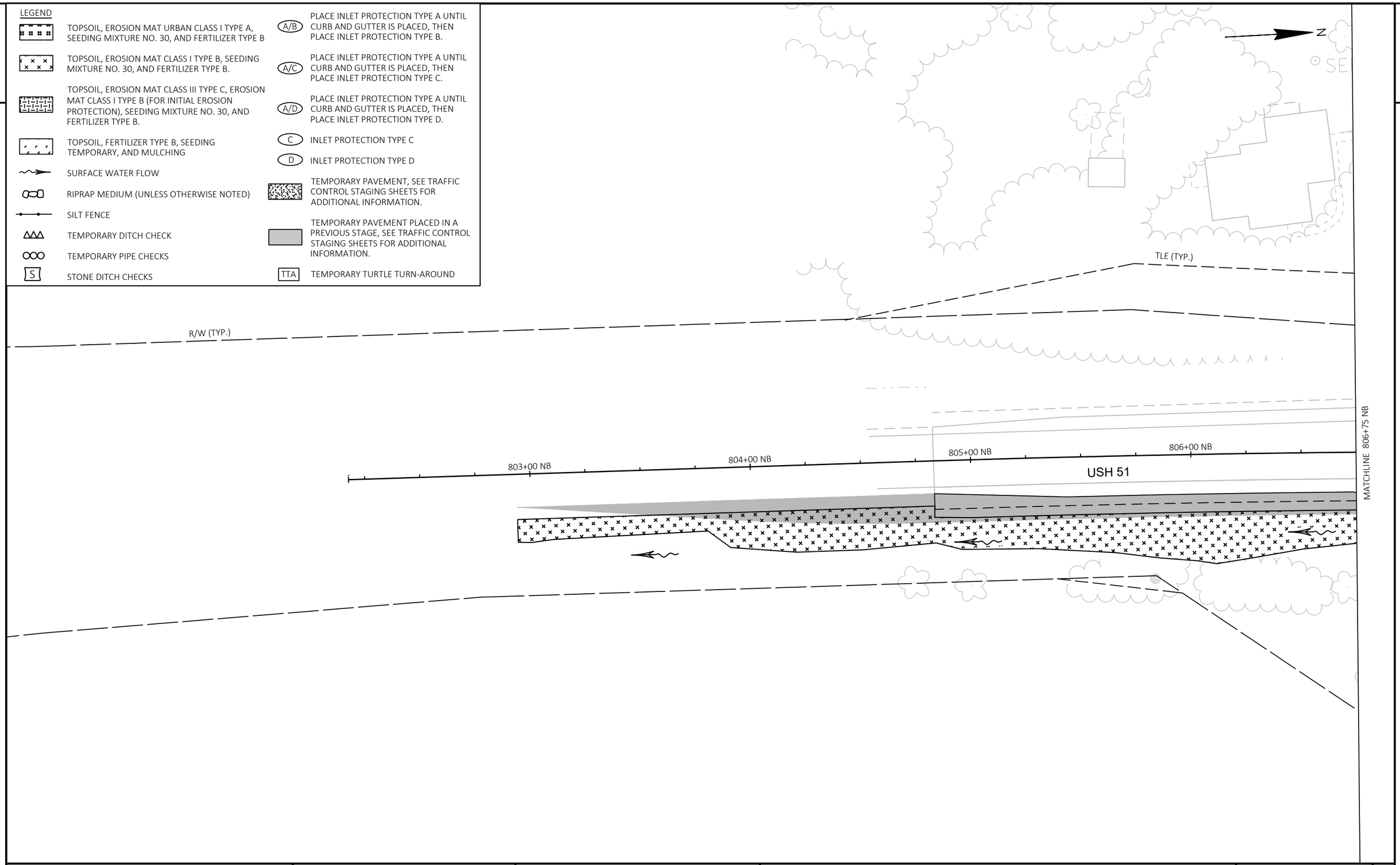
PLOT DATE : 7/30/2025 11:18 PM PLOT BY : KOWALSKI, NICK PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- TOPSOIL, EROSION MAT URBAN CLASS I TYPE A, SEEDING MIXTURE NO. 30, AND FERTILIZER TYPE B
- TOPSOIL, EROSION MAT CLASS I TYPE B, SEEDING MIXTURE NO. 30, AND FERTILIZER TYPE B.
- TOPSOIL, EROSION MAT CLASS III TYPE C, EROSION MAT CLASS I TYPE B (FOR INITIAL EROSION PROTECTION), SEEDING MIXTURE NO. 30, AND FERTILIZER TYPE B.
- TOPSOIL, FERTILIZER TYPE B, SEEDING TEMPORARY, AND MULCHING
- SURFACE WATER FLOW
- RIPRAP MEDIUM (UNLESS OTHERWISE NOTED)
- SILT FENCE
- TEMPORARY DITCH CHECK
- TEMPORARY PIPE CHECKS
- S — STONE DITCH CHECKS
- A/B — PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS PLACED, THEN PLACE INLET PROTECTION TYPE B.
- A/C — PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS PLACED, THEN PLACE INLET PROTECTION TYPE C.
- A/D — PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS PLACED, THEN PLACE INLET PROTECTION TYPE D.
- C — INLET PROTECTION TYPE C
- D — INLET PROTECTION TYPE D
- TEMPORARY PAVEMENT, SEE TRAFFIC CONTROL STAGING SHEETS FOR ADDITIONAL INFORMATION.
- TEMPORARY PAVEMENT PLACED IN A PREVIOUS STAGE, SEE TRAFFIC CONTROL STAGING SHEETS FOR ADDITIONAL INFORMATION.
- TTA — TEMPORARY TURTLE TURN-AROUND



PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	EROSION CONTROL - STAGE 4	SHEET 68	E

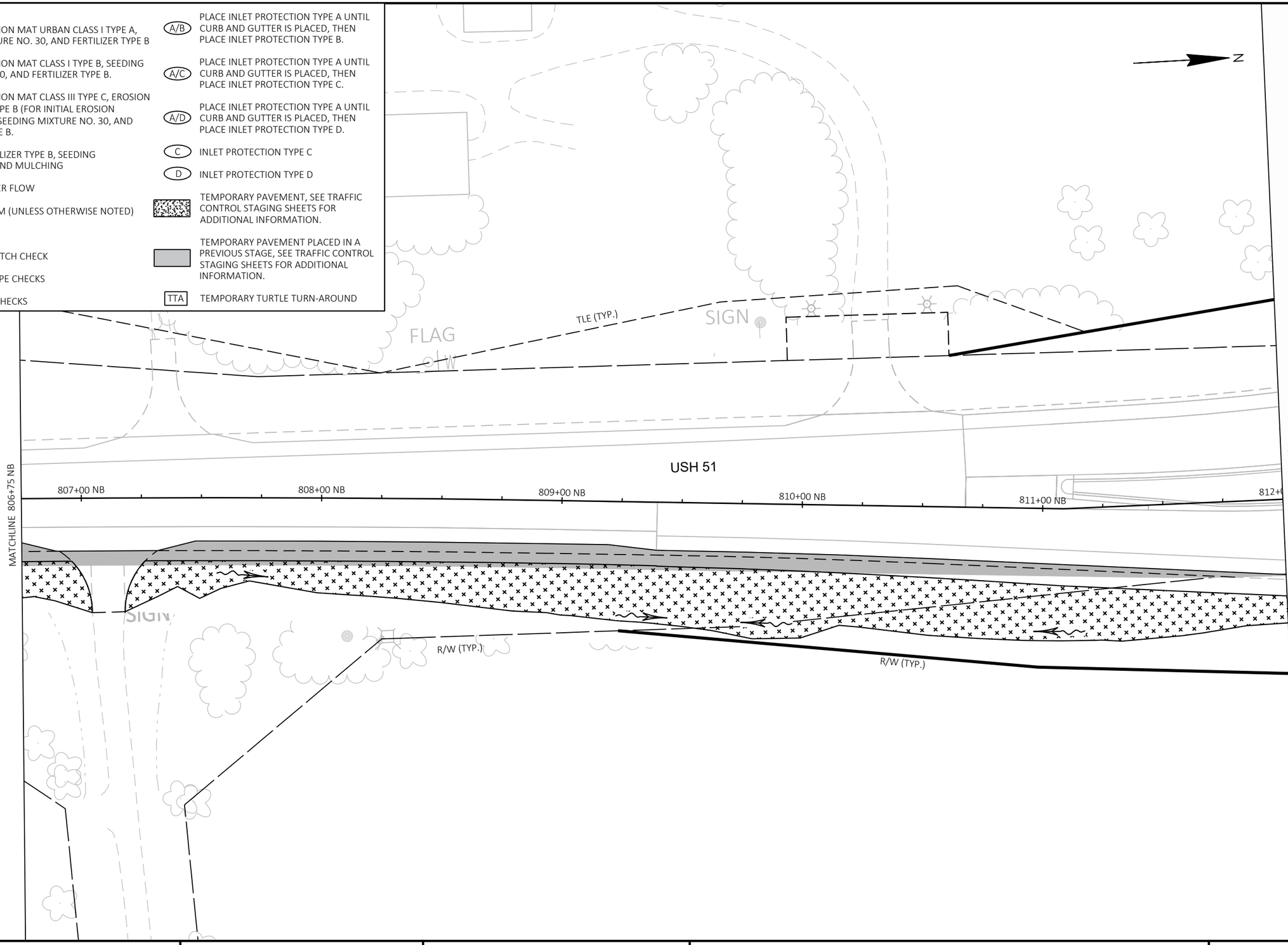
FILE NAME : S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\022001-EC-S4.DWG
LAYOUT NAME - 022001-ec-s4

PLOT DATE : 7/30/2025 11:18 PM PLOT BY : KOWALSKI, NICK PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

LEGEND

- TOPSOIL, EROSION MAT URBAN CLASS I TYPE A, SEEDING MIXTURE NO. 30, AND FERTILIZER TYPE B
- TOPSOIL, EROSION MAT CLASS I TYPE B, SEEDING MIXTURE NO. 30, AND FERTILIZER TYPE B.
- TOPSOIL, EROSION MAT CLASS III TYPE C, EROSION MAT CLASS I TYPE B (FOR INITIAL EROSION PROTECTION), SEEDING MIXTURE NO. 30, AND FERTILIZER TYPE B.
- TOPSOIL, FERTILIZER TYPE B, SEEDING TEMPORARY, AND MULCHING
- SURFACE WATER FLOW
- RIPRAP MEDIUM (UNLESS OTHERWISE NOTED)
- SILT FENCE
- TEMPORARY DITCH CHECK
- TEMPORARY PIPE CHECKS
- S — STONE DITCH CHECKS
- A/B — PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS PLACED, THEN PLACE INLET PROTECTION TYPE B.
- A/C — PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS PLACED, THEN PLACE INLET PROTECTION TYPE C.
- A/D — PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS PLACED, THEN PLACE INLET PROTECTION TYPE D.
- C — INLET PROTECTION TYPE C
- D — INLET PROTECTION TYPE D
- TEMPORARY PAVEMENT, SEE TRAFFIC CONTROL STAGING SHEETS FOR ADDITIONAL INFORMATION.
- TEMPORARY PAVEMENT PLACED IN A PREVIOUS STAGE, SEE TRAFFIC CONTROL STAGING SHEETS FOR ADDITIONAL INFORMATION.
- TTA — TEMPORARY TURTLE TURN-AROUND

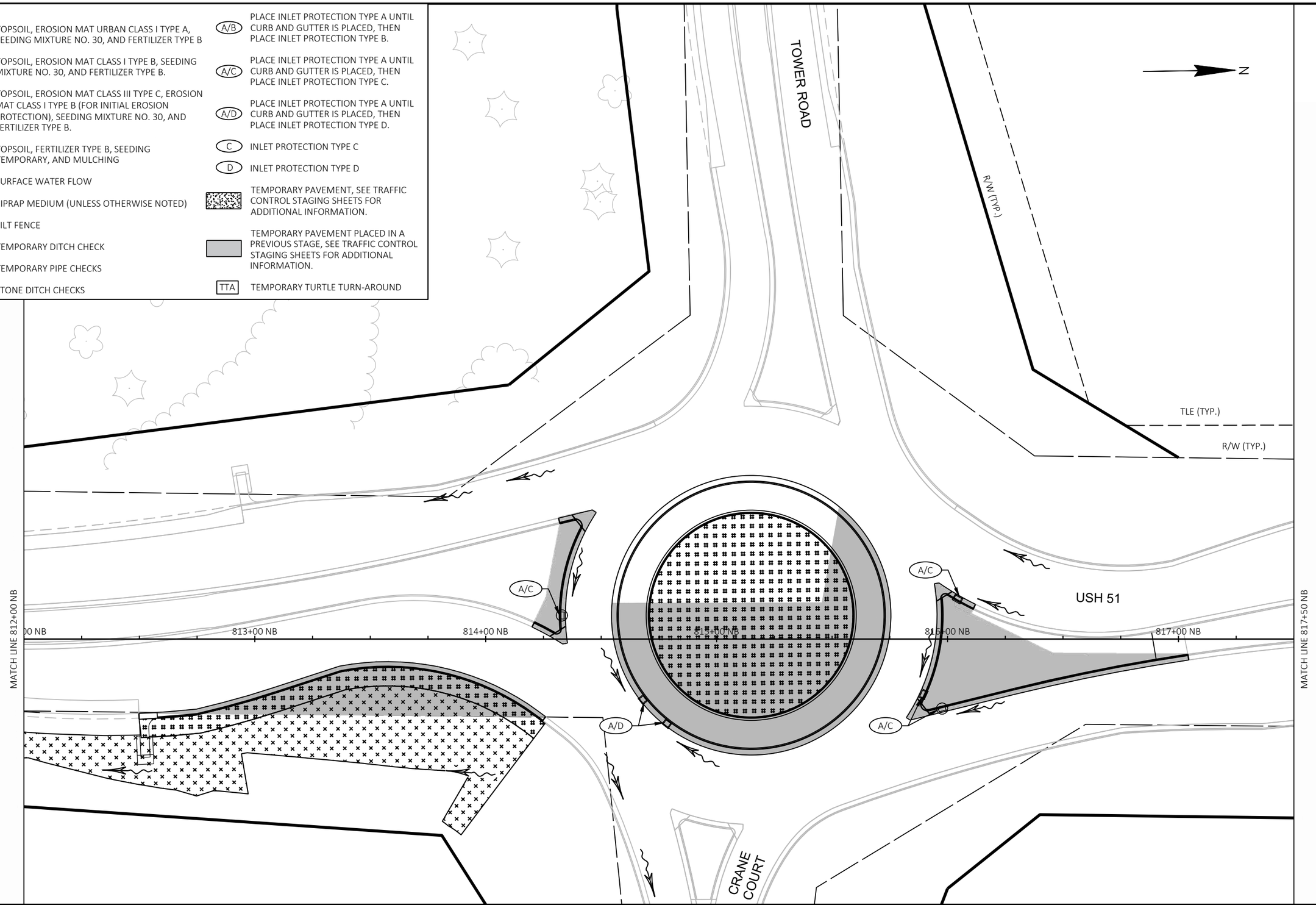


2

PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	EROSION CONTROL - STAGE 4	SHEET 69	E

LEGEND

- TOPSOIL, EROSION MAT URBAN CLASS I TYPE A, SEEDING MIXTURE NO. 30, AND FERTILIZER TYPE B
- TOPSOIL, EROSION MAT CLASS I TYPE B, SEEDING MIXTURE NO. 30, AND FERTILIZER TYPE B.
- TOPSOIL, EROSION MAT CLASS III TYPE C, EROSION MAT CLASS I TYPE B (FOR INITIAL EROSION PROTECTION), SEEDING MIXTURE NO. 30, AND FERTILIZER TYPE B.
- TOPSOIL, FERTILIZER TYPE B, SEEDING TEMPORARY, AND MULCHING
- SURFACE WATER FLOW
- RIPRAP MEDIUM (UNLESS OTHERWISE NOTED)
- SILT FENCE
- TEMPORARY DITCH CHECK
- TEMPORARY PIPE CHECKS
- S — STONE DITCH CHECKS
- A/B — PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS PLACED, THEN PLACE INLET PROTECTION TYPE B.
- A/C — PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS PLACED, THEN PLACE INLET PROTECTION TYPE C.
- A/D — PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS PLACED, THEN PLACE INLET PROTECTION TYPE D.
- C — INLET PROTECTION TYPE C
- D — INLET PROTECTION TYPE D
- TEMPORARY PAVEMENT, SEE TRAFFIC CONTROL STAGING SHEETS FOR ADDITIONAL INFORMATION.
- TEMPORARY PAVEMENT PLACED IN A PREVIOUS STAGE, SEE TRAFFIC CONTROL STAGING SHEETS FOR ADDITIONAL INFORMATION.
- TTA — TEMPORARY TURTLE TURN-AROUND



PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	EROSION CONTROL - STAGE 4	SHEET 70 E

FILE NAME : S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\022001-EC-S4.DWG
LAYOUT NAME - 022003-ec-s4

PLOT DATE : 7/30/2025 11:18 PM PLOT BY : KOWALSKI, NICK PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2

N

NO EROSION CONTROL ITEMS THIS SHEET

R/W (TYP.)

R/W (TYP.)

USH 51

818+00 NB

819+00 NB

820+00 NB

821+00 NB

822+00 NB

MATCH LINE 817+50 NB

MATCH LINE 823+00 NB

TLE (TYP.)

LEGEND

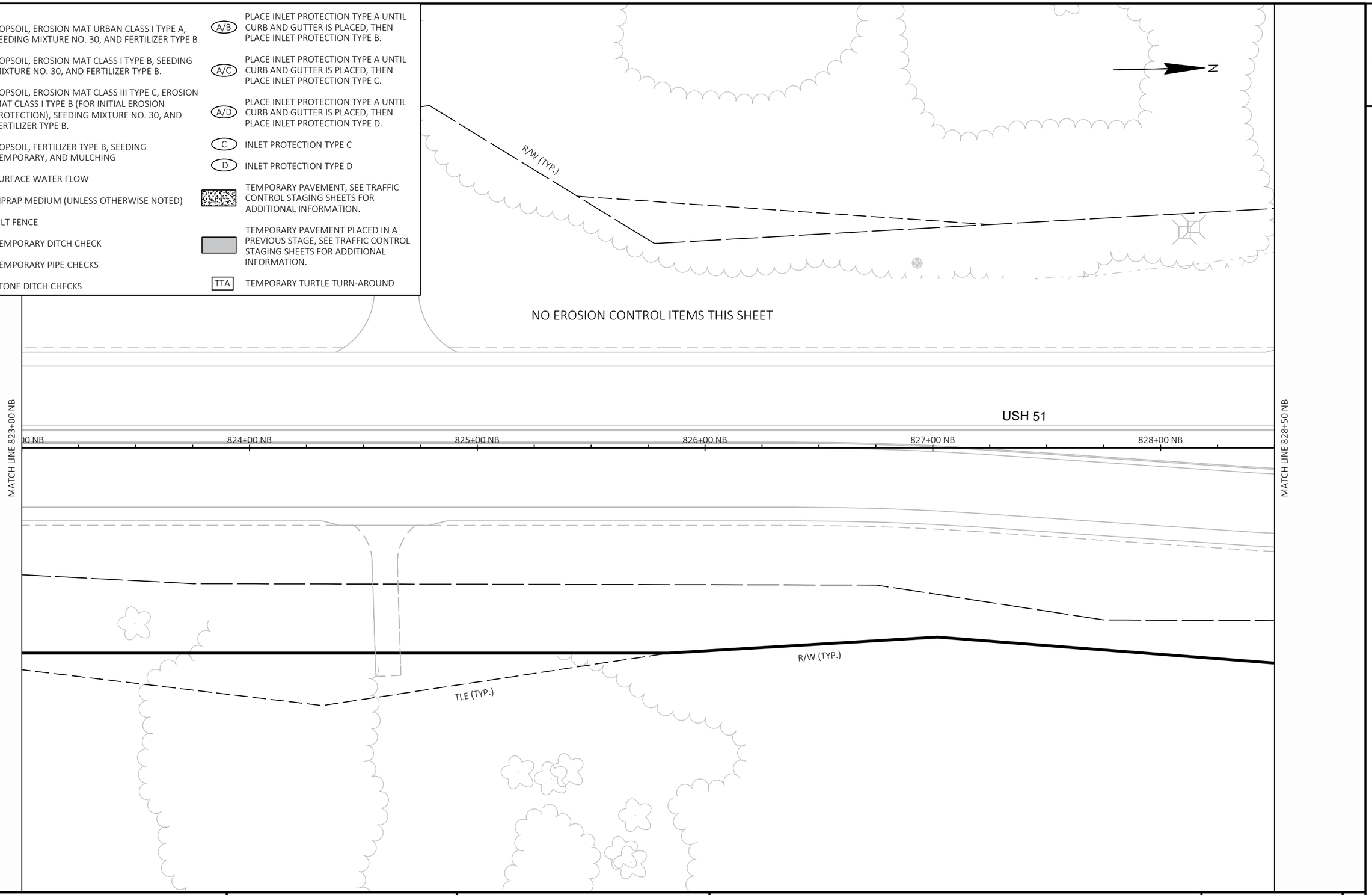
- TOPSOIL, EROSION MAT URBAN CLASS I TYPE A, SEEDING MIXTURE NO. 30, AND FERTILIZER TYPE B
- TOPSOIL, EROSION MAT CLASS I TYPE B, SEEDING MIXTURE NO. 30, AND FERTILIZER TYPE B.
- TOPSOIL, EROSION MAT CLASS III TYPE C, EROSION MAT CLASS I TYPE B (FOR INITIAL EROSION PROTECTION), SEEDING MIXTURE NO. 30, AND FERTILIZER TYPE B.
- TOPSOIL, FERTILIZER TYPE B, SEEDING TEMPORARY, AND MULCHING
- SURFACE WATER FLOW
- RIPRAP MEDIUM (UNLESS OTHERWISE NOTED)
- SILT FENCE
- TEMPORARY DITCH CHECK
- TEMPORARY PIPE CHECKS
- S — STONE DITCH CHECKS
- A/B — PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS PLACED, THEN PLACE INLET PROTECTION TYPE B.
- A/C — PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS PLACED, THEN PLACE INLET PROTECTION TYPE C.
- A/D — PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS PLACED, THEN PLACE INLET PROTECTION TYPE D.
- C — INLET PROTECTION TYPE C
- D — INLET PROTECTION TYPE D
- TEMPORARY PAVEMENT, SEE TRAFFIC CONTROL STAGING SHEETS FOR ADDITIONAL INFORMATION.
- TEMPORARY PAVEMENT PLACED IN A PREVIOUS STAGE, SEE TRAFFIC CONTROL STAGING SHEETS FOR ADDITIONAL INFORMATION.
- TTA — TEMPORARY TURTLE TURN-AROUND

PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	EROSION CONTROL - STAGE 4	SHEET 71	E

2

LEGEND

- TOPSOIL, EROSION MAT URBAN CLASS I TYPE A, SEEDING MIXTURE NO. 30, AND FERTILIZER TYPE B
- TOPSOIL, EROSION MAT CLASS I TYPE B, SEEDING MIXTURE NO. 30, AND FERTILIZER TYPE B.
- TOPSOIL, EROSION MAT CLASS III TYPE C, EROSION MAT CLASS I TYPE B (FOR INITIAL EROSION PROTECTION), SEEDING MIXTURE NO. 30, AND FERTILIZER TYPE B.
- TOPSOIL, FERTILIZER TYPE B, SEEDING TEMPORARY, AND MULCHING
- SURFACE WATER FLOW
- RIPRAP MEDIUM (UNLESS OTHERWISE NOTED)
- SILT FENCE
- TEMPORARY DITCH CHECK
- TEMPORARY PIPE CHECKS
- S — STONE DITCH CHECKS
- A/B — PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS PLACED, THEN PLACE INLET PROTECTION TYPE B.
- A/C — PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS PLACED, THEN PLACE INLET PROTECTION TYPE C.
- A/D — PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS PLACED, THEN PLACE INLET PROTECTION TYPE D.
- C — INLET PROTECTION TYPE C
- D — INLET PROTECTION TYPE D
- TEMPORARY PAVEMENT, SEE TRAFFIC CONTROL STAGING SHEETS FOR ADDITIONAL INFORMATION.
- TEMPORARY PAVEMENT PLACED IN A PREVIOUS STAGE, SEE TRAFFIC CONTROL STAGING SHEETS FOR ADDITIONAL INFORMATION.
- TTA — TEMPORARY TURTLE TURN-AROUND



PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	EROSION CONTROL - STAGE 4	SHEET 72	E

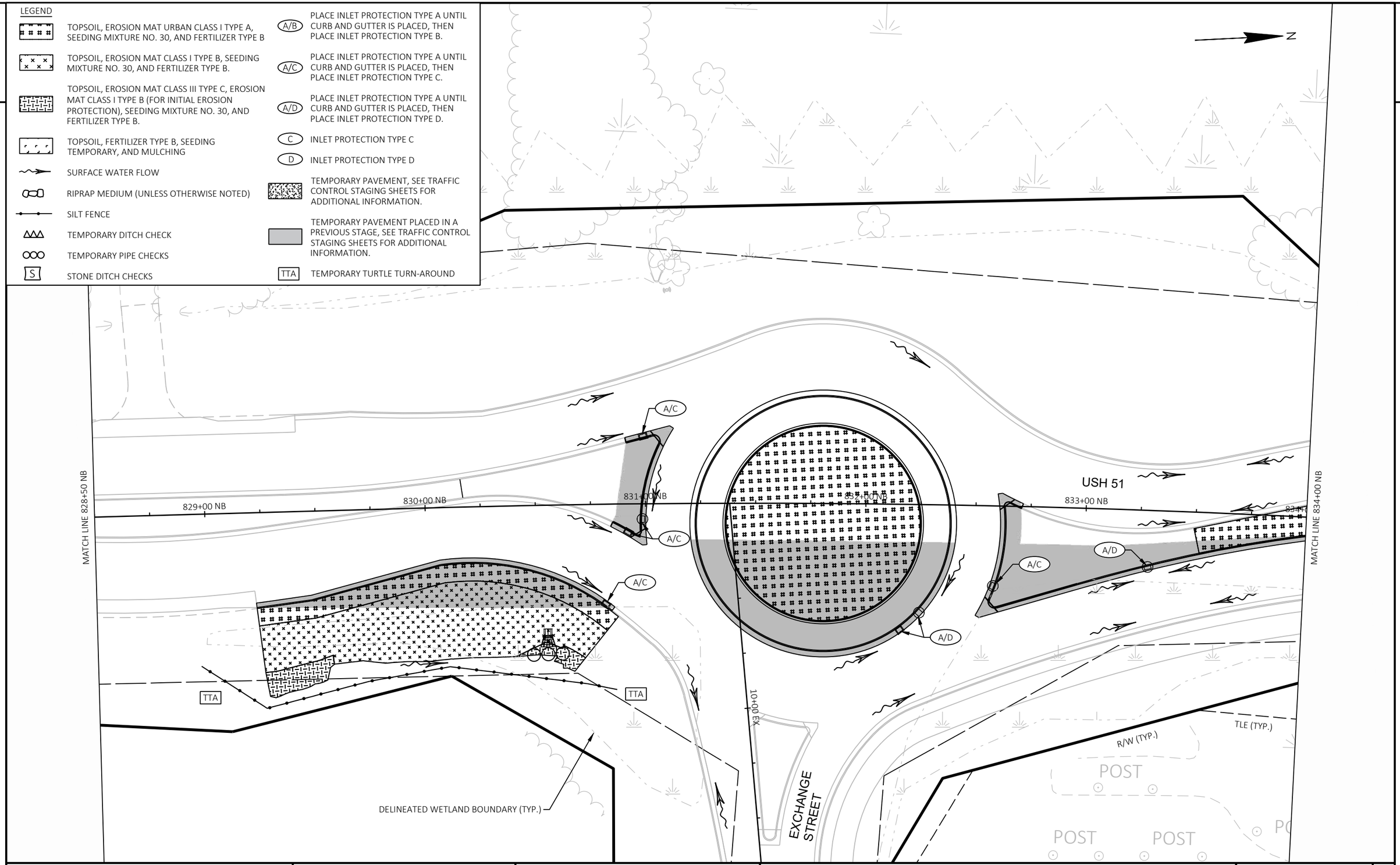
FILE NAME : S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\022001-EC-S4.DWG
LAYOUT NAME - 022005-ec-s4

PLOT DATE : 7/30/2025 11:18 PM PLOT BY : KOWALSKI, NICK PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

LEGEND

- TOPSOIL, EROSION MAT URBAN CLASS I TYPE A, SEEDING MIXTURE NO. 30, AND FERTILIZER TYPE B
- TOPSOIL, EROSION MAT CLASS I TYPE B, SEEDING MIXTURE NO. 30, AND FERTILIZER TYPE B.
- TOPSOIL, EROSION MAT CLASS III TYPE C, EROSION MAT CLASS I TYPE B (FOR INITIAL EROSION PROTECTION), SEEDING MIXTURE NO. 30, AND FERTILIZER TYPE B.
- TOPSOIL, FERTILIZER TYPE B, SEEDING TEMPORARY, AND MULCHING
- SURFACE WATER FLOW
- RIPRAP MEDIUM (UNLESS OTHERWISE NOTED)
- SILT FENCE
- TEMPORARY DITCH CHECK
- TEMPORARY PIPE CHECKS
- S — STONE DITCH CHECKS
- A/B — PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS PLACED, THEN PLACE INLET PROTECTION TYPE B.
- A/C — PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS PLACED, THEN PLACE INLET PROTECTION TYPE C.
- A/D — PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS PLACED, THEN PLACE INLET PROTECTION TYPE D.
- C — INLET PROTECTION TYPE C
- D — INLET PROTECTION TYPE D
- TEMPORARY PAVEMENT, SEE TRAFFIC CONTROL STAGING SHEETS FOR ADDITIONAL INFORMATION.
- TEMPORARY PAVEMENT PLACED IN A PREVIOUS STAGE, SEE TRAFFIC CONTROL STAGING SHEETS FOR ADDITIONAL INFORMATION.
- TTA — TEMPORARY TURTLE TURN-AROUND



2

PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	EROSION CONTROL - STAGE 4	SHEET 73	E

FILE NAME : S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\022001-EC-S4.DWG
LAYOUT NAME - 022006-ec-s4
PLOT DATE : 7/30/2025 11:18 PM
PLOT BY : KOWALSKI, NICK
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

LEGEND

- TOPSOIL, EROSION MAT URBAN CLASS I TYPE A, SEEDING MIXTURE NO. 30, AND FERTILIZER TYPE B
- TOPSOIL, EROSION MAT CLASS I TYPE B, SEEDING MIXTURE NO. 30, AND FERTILIZER TYPE B.
- TOPSOIL, EROSION MAT CLASS III TYPE C, EROSION MAT CLASS I TYPE B (FOR INITIAL EROSION PROTECTION), SEEDING MIXTURE NO. 30, AND FERTILIZER TYPE B.
- TOPSOIL, FERTILIZER TYPE B, SEEDING TEMPORARY, AND MULCHING
- SURFACE WATER FLOW
- RIPRAP MEDIUM (UNLESS OTHERWISE NOTED)
- SILT FENCE
- TEMPORARY DITCH CHECK
- TEMPORARY PIPE CHECKS
- S — STONE DITCH CHECKS
- A/B — PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS PLACED, THEN PLACE INLET PROTECTION TYPE B.
- A/C — PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS PLACED, THEN PLACE INLET PROTECTION TYPE C.
- A/D — PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS PLACED, THEN PLACE INLET PROTECTION TYPE D.
- C — INLET PROTECTION TYPE C
- D — INLET PROTECTION TYPE D
- TEMPORARY PAVEMENT, SEE TRAFFIC CONTROL STAGING SHEETS FOR ADDITIONAL INFORMATION.
- TEMPORARY PAVEMENT PLACED IN A PREVIOUS STAGE, SEE TRAFFIC CONTROL STAGING SHEETS FOR ADDITIONAL INFORMATION.
- TTA — TEMPORARY TURTLE TURN-AROUND

2

N

USH 51

SIGN

MATCH LINE 834+00 NB

834+00 NB

835+00 NB

836+00 NB

837+00 NB

838+00 NB

839+00 NB

R/W (TYP.)

R/W (TYP.)

TLE (TYP.)

DELINEATED WETLAND BOUNDARY (TYP.)

NURSERY

SIGN

PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	EROSION CONTROL - STAGE 4	SHEET 74	E

FILE NAME : S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\022001-EC-S4.DWG
LAYOUT NAME - 022007-ec-s4

PLOT DATE : 7/30/2025 11:18 PM PLOT BY : KOWALSKI, NICK PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

ALLIANT ENERGY (ELECTRIC)

6A.2 STA 13+72 SB, 39.6' LT
APRON ENDWALLS FOR CPRC 24-INCH

3A.2 STA 14+16 SB, 59.1' LT
APRON ENDWALLS FOR CULVERT PIPE 18-INCH

FRONTIER (COMMUNICATION)

3A.1 STA 14+62 SB, 61.8' LT
APRON ENDWALLS FOR CULVERT PIPE 18-INCH

805+00 NB
806+00 NB
807+00 NB
808+00 NB
809+00 NB
810+00 NB
811+00 NB
812+0
11+00 SB
12+00 SB
13+00 SB
14+00 SB
15+00 SB
16+00 SB

USH 51 SB
USH 51 NB

13 STA 15+30 SB, 1.5' RT
INLETS 2x3-HM

12 STA 811+20 NB, 4.4' LT
INLETS 2x3-HM

ALLIANT ENERGY (ELECTRIC)

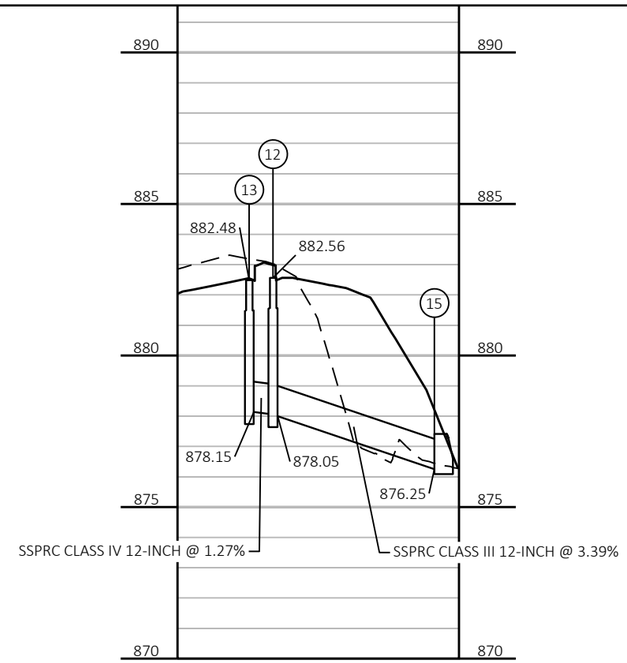
SLOPE INTERCEPT (TYP.)

FRONTIER (COMMUNICATION)

6A.1 STA 809+66 NB, 41.3' RT
APRON ENDWALLS FOR CPRC 24-INCH

15 STA 811+20 NB, 48.7' RT
APRON ENDWALLS FOR CPRC 12-INCH

KEGONSA SANITARY DISTRICT (SANITARY)



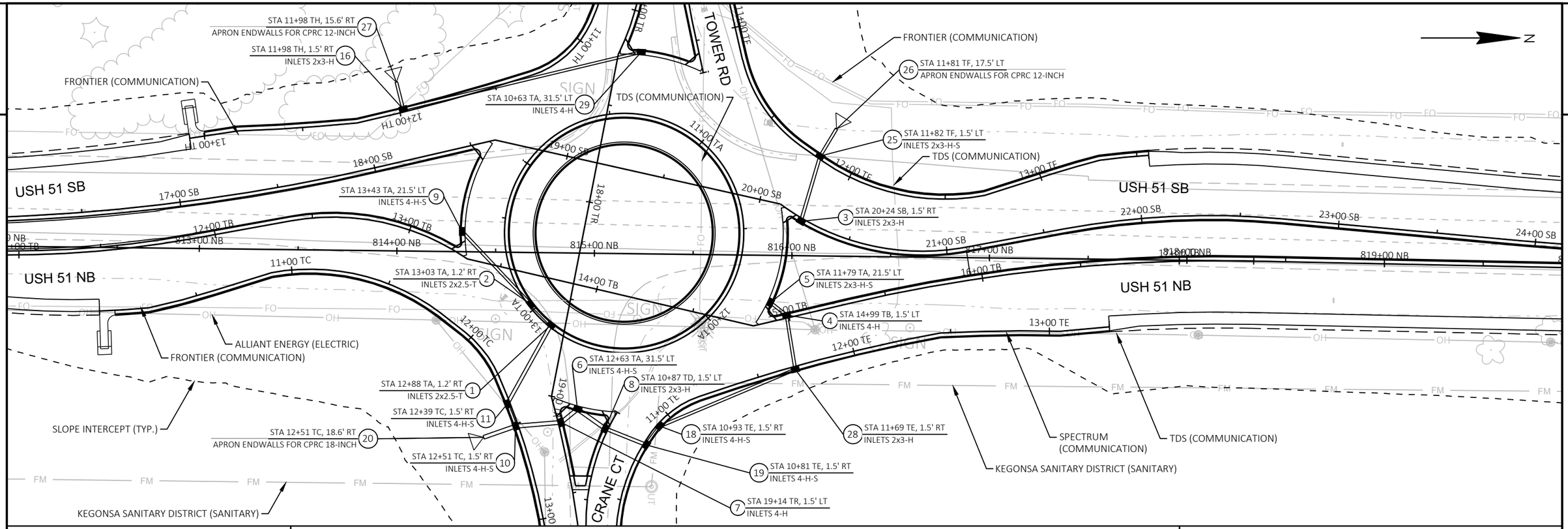
PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	STORM SEWER PLAN	SHEET 75	E

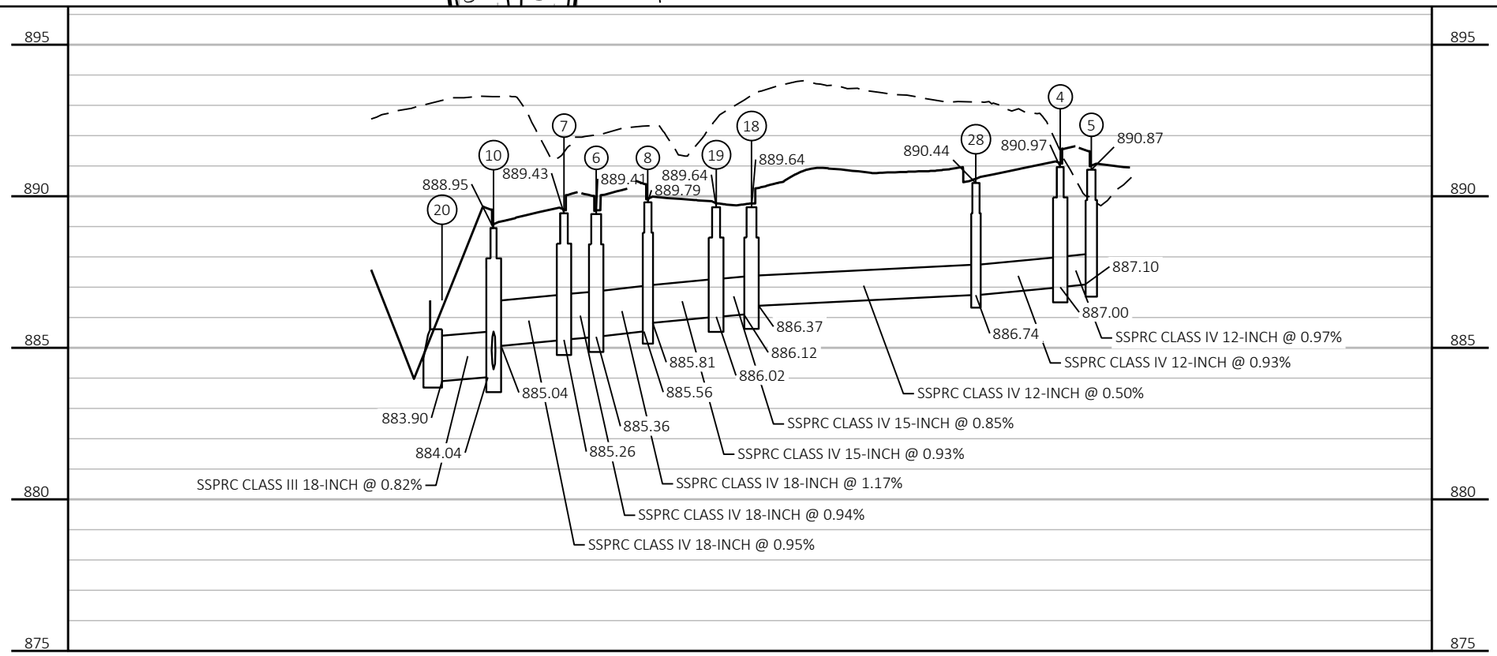
FILE NAME : S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\022501-SS.DWG
LAYOUT NAME - 022501-ss

PLOT DATE : 9/25/2025 8:10 AM PLOT BY : HABERKORN, DEVEN PLOT NAME : PLOT SCALE : ##########

2

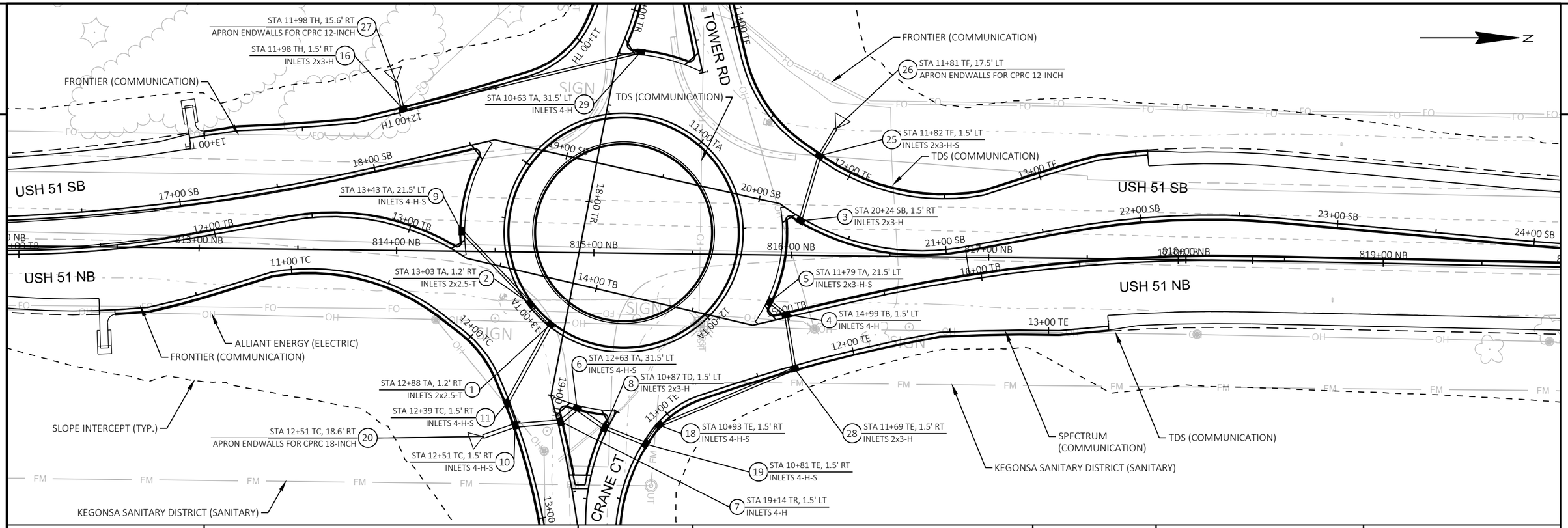
STRUCTURE NO.	STATION		OFFSET	C-C (ft)	DOWNSTREAM STRUCTURE	INLET TYPE	COVER	RIM/ GRATE ELEVATION	T.O.S. ELEVATION	DEPTH (FT)	DISCHARGE PIPE					REMARKS
											SIZE (IN)	INVERT ELEVATIONS	DISCHARGE ELEVATION	LENGTH (FT)	SLOPE (%)	
3A.1	14+61.8	US 51 SB	61.8 ' LT	45.6	3A.2	-	-	-	-	-	18	875.50	874.00	46	3.29%	APRON ENDWALLS FOR CULVERT PIPE 18-INCH; CLASS III-A NON-METAL CULVERT PIPE REQ'D
3A.2	14+16.2	US 51 SB	59.1 ' LT	-	-	-	-	-	-	-	-	874.00	-	-	-	APRON ENDWALLS FOR CULVERT PIPE 18-INCH
6A.1	809+65.6	US 51 NB	41.3 ' RT	89.5	6A.2	-	-	-	-	-	24	874.00	873.00	90	1.12%	APRON ENDWALLS FOR CPRC 24-INCH
6A.2	13+72.2	US 51 SB	39.6 ' LT	-	-	-	-	-	-	-	-	873.00	-	-	-	APRON ENDWALLS FOR CPRC 24-INCH
12	811+20.0	US 51 NB	4.4 ' LT	53.1	15	2X3-FT	HM	882.56	881.73	3.68	12	878.05	876.25	53	3.39%	
13	15+30.0	US 51 SB	1.5 ' RT	7.9	12	2X3-FT	HM	882.48	881.65	3.50	12	878.15	878.05	8	1.27%	
15	811+20.0	US 51 NB	48.7 ' RT	-	-	-	-	877.42	-	-	-	876.25	-	-	-	APRON ENDWALLS FOR CPRC 12-INCH

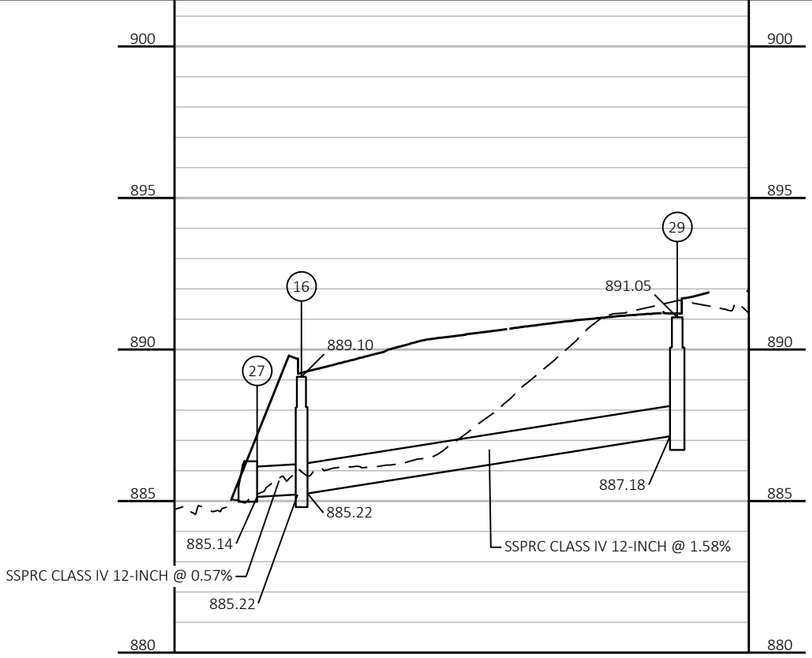


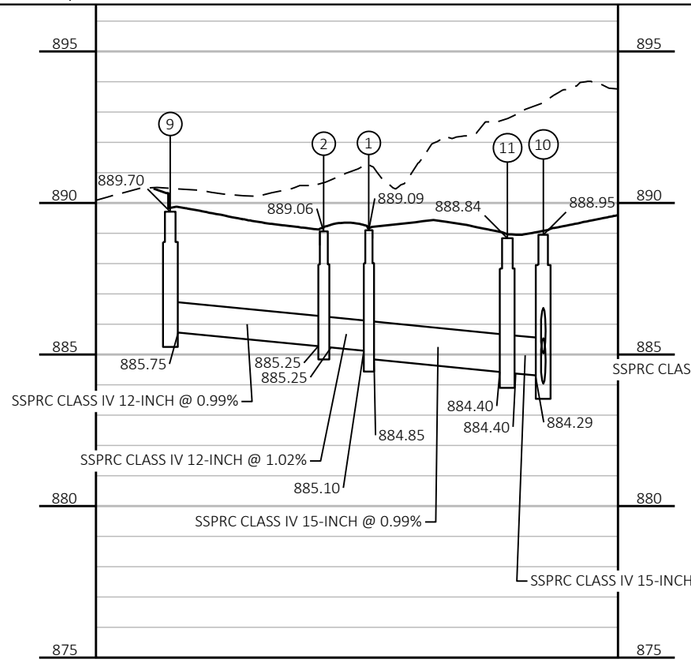


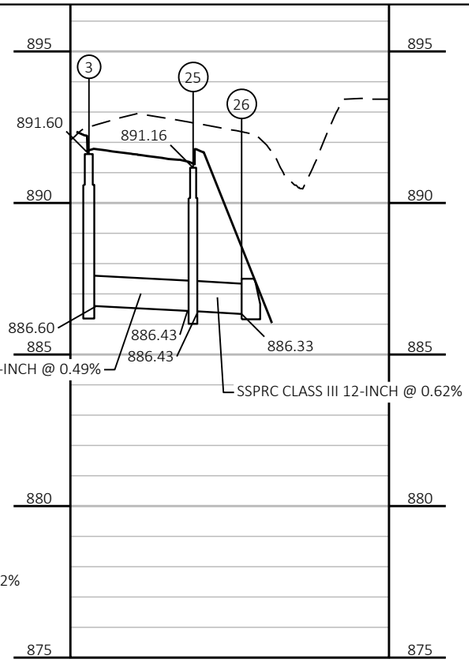
PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	STORM SEWER PLAN	SHEET 77	E

FILE NAME : S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\022501-SS.DWG
LAYOUT NAME - 022502-ss
PLOT DATE : 9/25/2025 8:10 AM PLOT BY : HABERKORN, DEVEN PLOT NAME : PLOT SCALE : 1 IN:50 FT





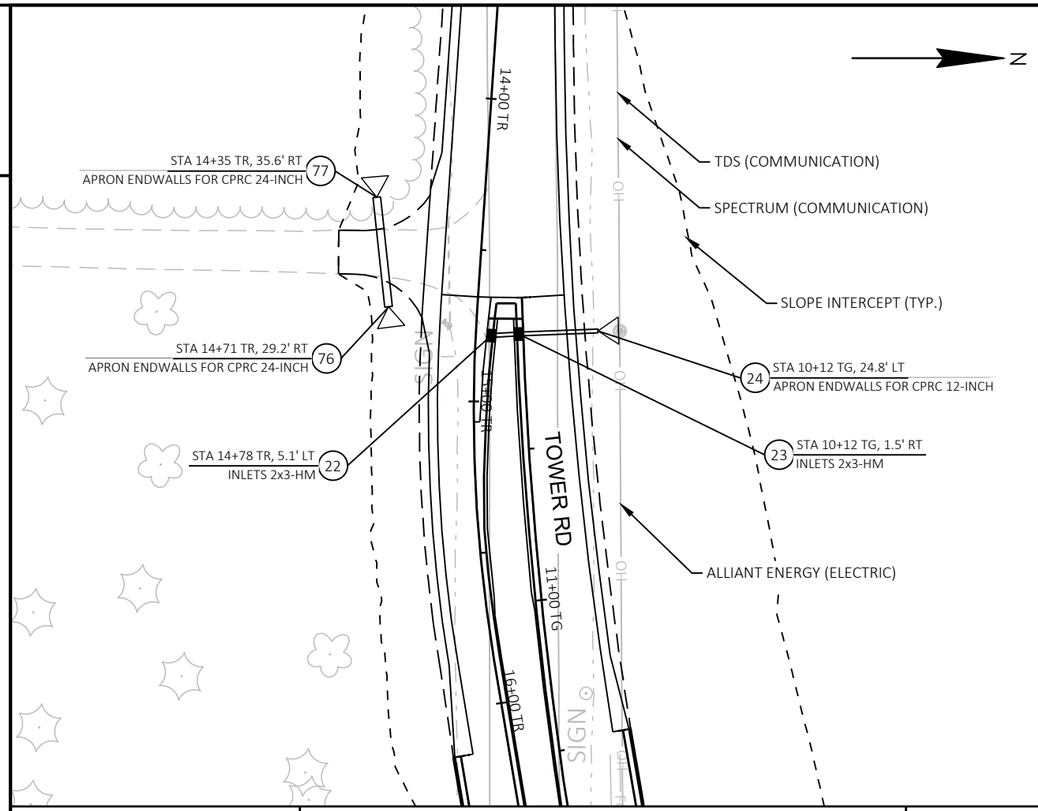


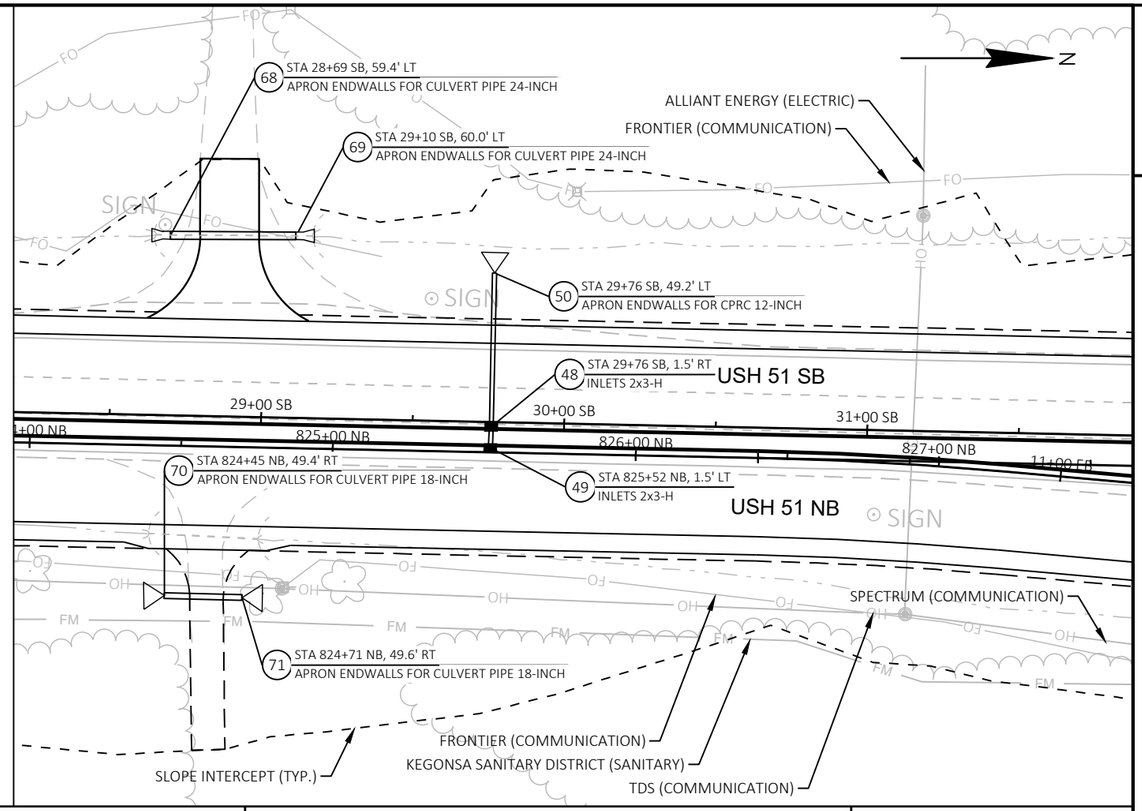


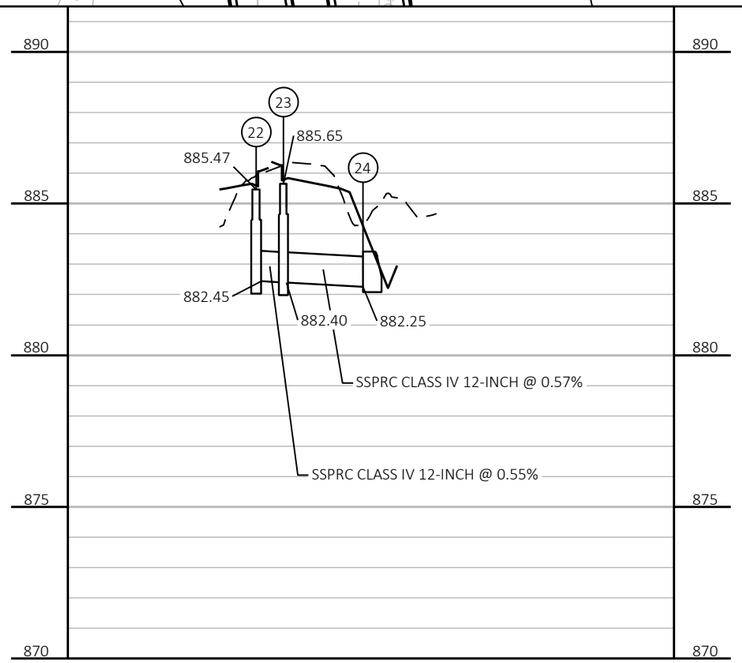
PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	STORM SEWER PLAN	SHEET 78	E

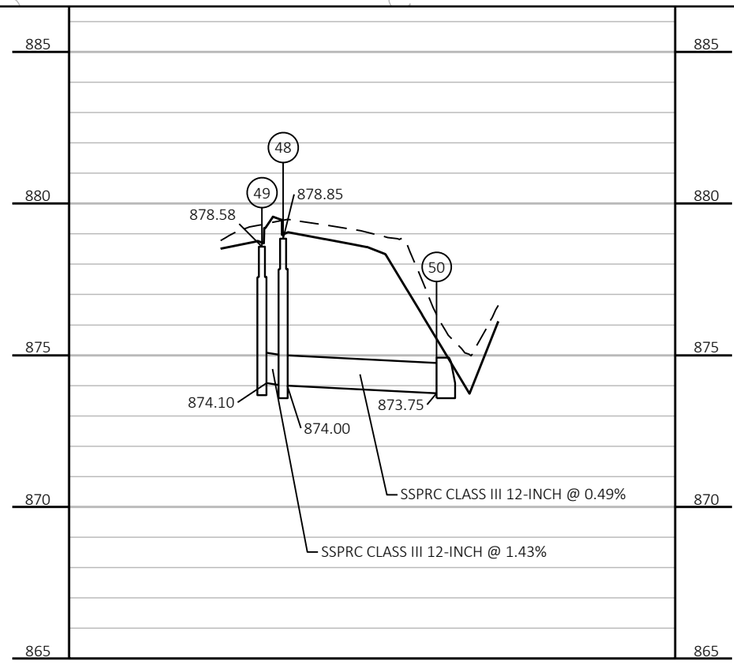
2

STRUCTURE NO.	STATION		OFFSET	C-C (ft)	DOWNSTREAM STRUCTURE	INLET TYPE	COVER	RIM/ GRATE ELEVATION	T.O.S. ELEVATION	DEPTH (FT)	DISCHARGE PIPE					REMARKS
											SIZE (IN)	INVERT ELEVATIONS	DISCHARGE ELEVATION	LENGTH (FT)	SLOPE (%)	
1	12+88.0	TA	1.2 ' RT	45.7	11	2X2.5-FT	T	889.09	888.13	3.28	15	884.85	884.40	46	0.98%	
2	13+03.0	TA	1.2 ' RT	14.7	1	2X2.5-FT	T	889.06	888.10	2.85	12	885.25	885.10	15	1.02%	
3	20+24.0	US 51 SB	1.5 ' RT	34.4	25	2X3-FT	H	891.60	890.77	4.17	12	886.60	886.43	34	0.49%	
4	14+99.0	TB	1.5 ' LT	27.8	28	4-FT	H	890.97	890.14	3.14	12	887.00	886.74	28	0.94%	
5	11+79.0	TA	21.5 ' LT	10.3	4	2X3-FT	H-S	890.87	890.04	2.94	12	887.10	887.00	10	0.97%	
6	12+63.0	TA	31.5 ' LT	10.6	7	4-FT	H-S	889.41	888.58	3.22	18	885.36	885.26	11	0.94%	
7	19+14.0	TR	1.5 ' LT	23.2	10	4-FT	H	889.43	888.60	3.34	18	885.26	885.04	23	0.95%	
8	10+87.0	TD	1.5 ' LT	17.0	6	2X3-FT	H	889.79	888.96	3.40	18	885.56	885.36	17	1.18%	
9	13+43.0	TA	21.5 ' LT	50.6	2	4-FT	H-S	889.70	888.87	3.12	12	885.75	885.25	51	0.99%	
10	12+51.0	TC	1.5 ' RT	17.1	20	4-FT	H-S	888.95	888.12	4.08	18	884.04	883.90	17	0.82%	
11	12+39.0	TC	1.5 ' RT	11.9	10	4-FT	H-S	888.84	888.01	3.61	15	884.40	884.29	12	0.92%	
16	11+98.0	TH	1.5 ' RT	14.1	27	2X3-FT	H	889.10	888.27	3.05	12	885.22	885.14	14	0.57%	
18	10+93.0	TE	1.5 ' RT	11.7	19	4-FT	H-S	889.64	888.81	2.69	15	886.12	886.02	12	0.85%	
19	10+81.0	TE	1.5 ' RT	22.5	8	4-FT	H-S	889.64	888.81	2.79	15	886.02	885.81	23	0.93%	
20	12+51.0	TC	18.6 ' RT	-	-	-	-	885.61	-	-	-	883.90	-	-	-	APRON ENDWALLS FOR CPRC 18-INCH
25	11+81.6	TF	1.5 ' LT	16.0	26	2X3-FT	H-S	891.16	890.33	3.90	12	886.43	886.33	16	0.62%	
26	11+80.6	TF	17.5 ' LT	-	-	-	-	887.50	-	-	-	886.33	-	-	-	APRON ENDWALLS FOR CPRC 12-INCH
27	11+98.0	TH	15.6 ' RT	-	-	-	-	886.31	-	-	-	885.14	-	-	-	APRON ENDWALLS FOR CPRC 12-INCH
28	11+69.0	TE	1.5 ' RT	74.2	18	2X3-FT	H	890.44	889.61	2.87	12	886.74	886.37	74	0.50%	
29	10+63.0	TA	31.5 ' LT	124.0	16	4-FT	H	891.05	890.22	3.04	12	887.18	885.22	124	1.58%	







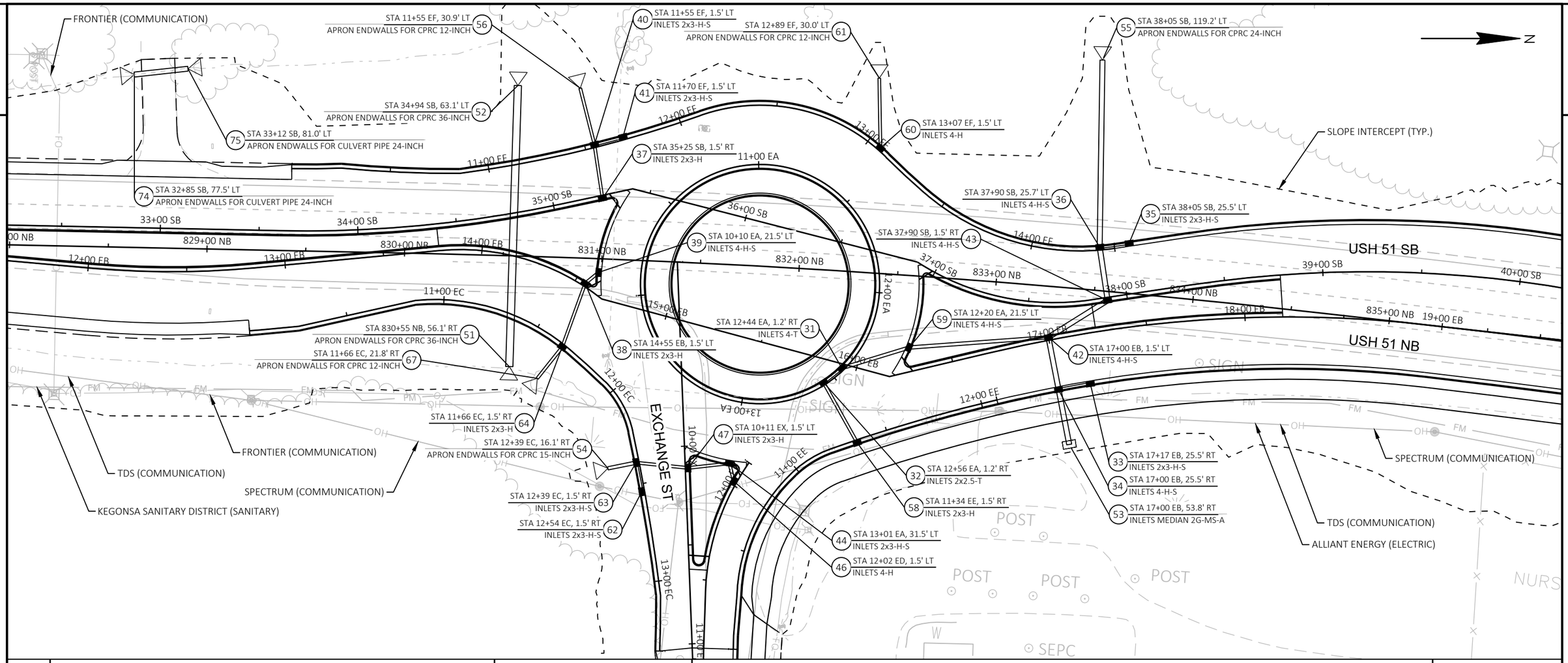


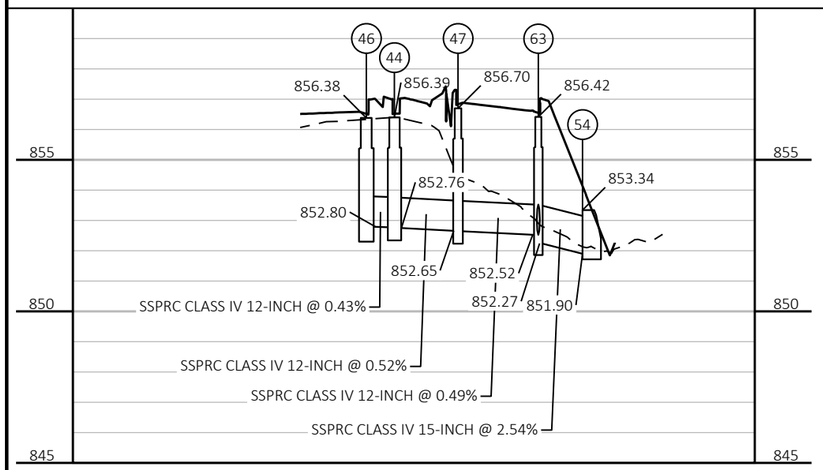
PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	STORM SEWER PLAN	SHEET 80	E

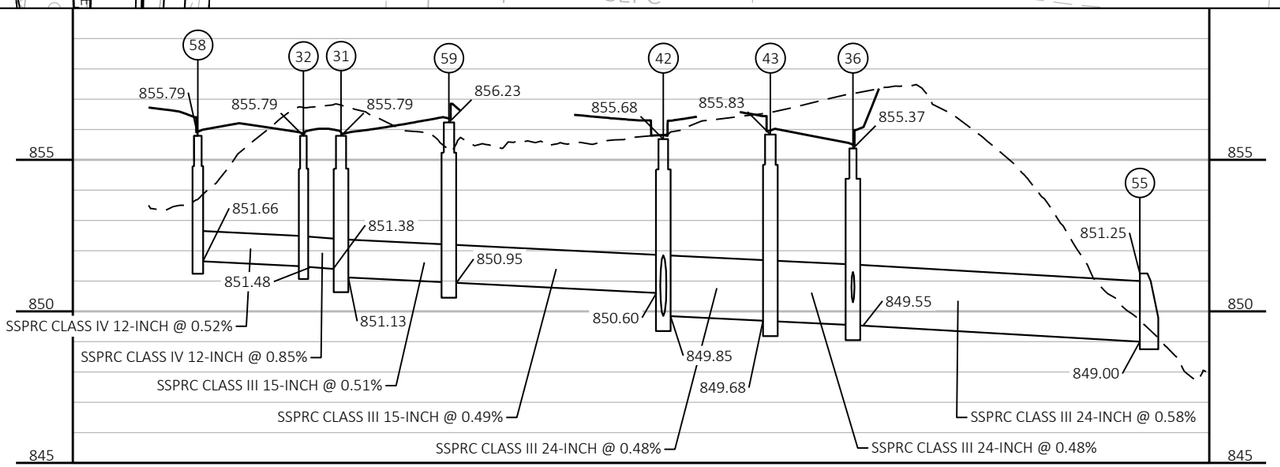
FILE NAME : S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\022501-SS.DWG
LAYOUT NAME - 022503-ss
PLOT DATE : 9/25/2025 8:09 AM
PLOT BY : HABERKORN, DEVEN
PLOT NAME :
PLOT SCALE : 1 IN:50 FT

2

STRUCTURE NO.	STATION		OFFSET	C-C (ft)	DOWNSTREAM STRUCTURE	INLET TYPE	COVER	RIM/ GRATE ELEVATION	T.O.S. ELEVATION	DEPTH (FT)	DISCHARGE PIPE					REMARKS
											SIZE (IN)	INVERT ELEVATIONS	DISCHARGE ELEVATION	LENGTH (FT)	SLOPE (%)	
22	14+78.0	TR	5.1 ' LT	9.0	23	2X3-FT	HM	885.47	884.64	2.19	12	882.45	882.40	9	0.56%	
23	10+12.0	TG	1.5 ' RT	26.3	24	2X3-FT	HM	885.65	884.82	2.42	12	882.40	882.25	26	0.57%	
24	10+12.0	TG	24.8 ' LT	-	-	-	-	-	-	-	-	882.25	-	-	-	APRON ENDWALLS FOR CPRC 12-INCH
48	29+76.0	US 51 SB	1.5 ' RT	50.7	50	2X3-FT	H	878.85	878.02	4.02	12	874.00	873.75	51	0.49%	
49	825+52.0	US 51 NB	1.5 ' LT	7.0	48	2X3-FT	H	878.58	877.75	3.65	12	874.10	874.00	7	1.43%	
50	29+76.0	US 51 SB	49.2 ' LT	-	-	-	-	-	-	-	-	873.75	-	-	-	APRON ENDWALLS FOR CPRC 12-INCH
68	28+68.8	US 51 SB	59.4 ' LT	41.5	69	-	-	-	-	-	24	879.48	878.10	42	3.33%	APRON ENDWALLS FOR CULVERT PIPE 24-INCH; CLASS III-A NON-METAL CULVERT PIPE REQ'D
69	29+10.3	US 51 SB	60.0 ' LT	-	-	-	-	-	-	-	-	878.10	-	-	-	APRON ENDWALLS FOR CULVERT PIPE 24-INCH
70	824+45.4	US 51 NB	49.4 ' RT	25.6	71	-	-	-	-	-	18	879.40	878.10	26	5.08%	APRON ENDWALLS FOR CULVERT PIPE 18-INCH; CLASS III-A NON-METAL CULVERT PIPE REQ'D
71	824+71.1	US 51 NB	49.6 ' RT	-	-	-	-	-	-	-	-	878.10	-	-	-	APRON ENDWALLS FOR CULVERT PIPE 18-INCH
76	14+70.7	TR	29.2 ' RT	36.4	77	-	-	-	-	-	24	882.50	881.50	36	2.75%	APRON ENDWALLS FOR CPRC 24-INCH
77	14+34.9	TR	35.6 ' RT	-	-	-	-	-	-	-	-	881.50	-	-	-	APRON ENDWALLS FOR CPRC 24-INCH







PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	STORM SEWER PLAN	SHEET 82	E

FILE NAME : S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\022501-SS.DWG
LAYOUT NAME - 022504-ss
PLOT DATE : 7/31/2025 10:15 AM
PLOT BY : KOWALSKI, NICK
PLOT NAME :
PLOT SCALE : ##########
WISDOT/CADDS SHEET 42

2

N

FRONTIER (COMMUNICATION)

56 STA 11+55 EF, 30.9' LT
APRON ENDWALLS FOR CPRC 12-INCH

40 STA 11+55 EF, 1.5' LT
INLETS 2x3-H-S

61 STA 12+89 EF, 30.0' LT
APRON ENDWALLS FOR CPRC 12-INCH

55 STA 38+05 SB, 119.2' LT
APRON ENDWALLS FOR CPRC 24-INCH

41 STA 11+70 EF, 1.5' LT
INLETS 2x3-H-S

52 STA 34+94 SB, 63.1' LT
APRON ENDWALLS FOR CPRC 36-INCH

60 STA 13+07 EF, 1.5' LT
INLETS 4-H

75 STA 33+12 SB, 81.0' LT
APRON ENDWALLS FOR CULVERT PIPE 24-INCH

SLOPE INTERCEPT (TYP.)

37 STA 35+25 SB, 1.5' RT
INLETS 2x3-H

74 STA 32+85 SB, 77.5' LT
APRON ENDWALLS FOR CULVERT PIPE 24-INCH

36 STA 37+90 SB, 25.7' LT
INLETS 4-H-S

35 STA 38+05 SB, 25.5' LT
INLETS 2x3-H-S

39 STA 10+10 EA, 21.5' LT
INLETS 4-H-S

43 STA 37+90 SB, 1.5' RT
INLETS 4-H-S

USH 51 SB

USH 51 NB

51 STA 830+55 NB, 56.1' RT
APRON ENDWALLS FOR CPRC 36-INCH

67 STA 11+66 EC, 21.8' RT
APRON ENDWALLS FOR CPRC 12-INCH

38 STA 14+55 EB, 1.5' LT
INLETS 2x3-H

31 STA 12+44 EA, 1.2' RT
INLETS 4-T

59 STA 12+20 EA, 21.5' LT
INLETS 4-H-S

42 STA 17+00 EB, 1.5' LT
INLETS 4-H-S

64 STA 11+66 EC, 1.5' RT
INLETS 2x3-H

54 STA 12+39 EC, 16.1' RT
APRON ENDWALLS FOR CPRC 15-INCH

47 STA 10+11 EX, 1.5' LT
INLETS 2x3-H

EXCHANGE ST

32 STA 12+56 EA, 1.2' RT
INLETS 2x2.5-T

33 STA 17+17 EB, 25.5' RT
INLETS 2x3-H-S

34 STA 17+00 EB, 25.5' RT
INLETS 4-H-S

58 STA 11+34 EE, 1.5' RT
INLETS 2x3-H

53 STA 17+00 EB, 53.8' RT
INLETS MEDIAN 2G-MS-A

63 STA 12+39 EC, 1.5' RT
INLETS 2x3-H-S

62 STA 12+54 EC, 1.5' RT
INLETS 2x3-H-S

44 STA 13+01 EA, 31.5' LT
INLETS 2x3-H-S

46 STA 12+02 ED, 1.5' LT
INLETS 4-H

FRONTIER (COMMUNICATION)

TDS (COMMUNICATION)

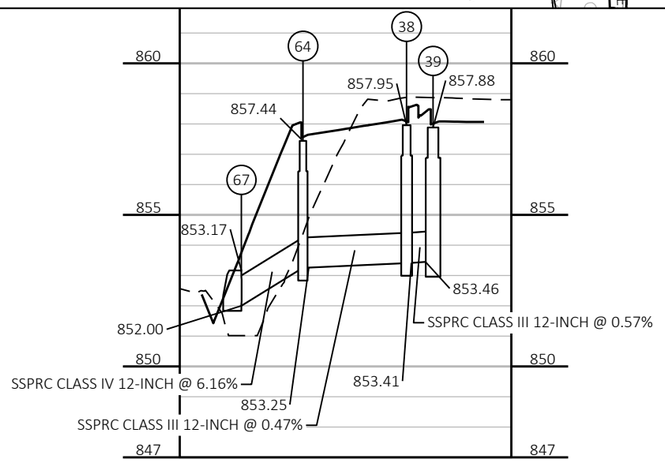
SPECTRUM (COMMUNICATION)

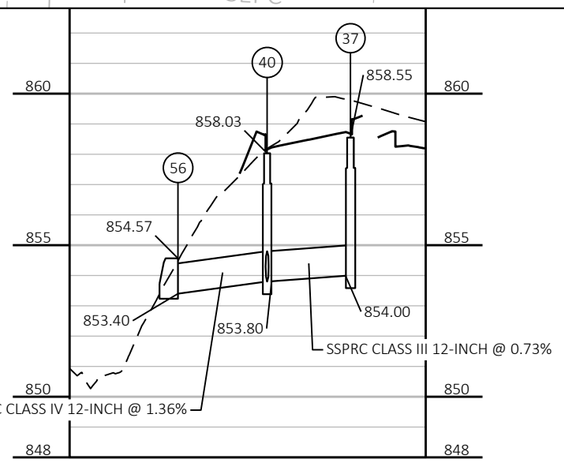
KEGONSA SANITARY DISTRICT (SANITARY)

SPECTRUM (COMMUNICATION)

TDS (COMMUNICATION)

ALLIANT ENERGY (ELECTRIC)

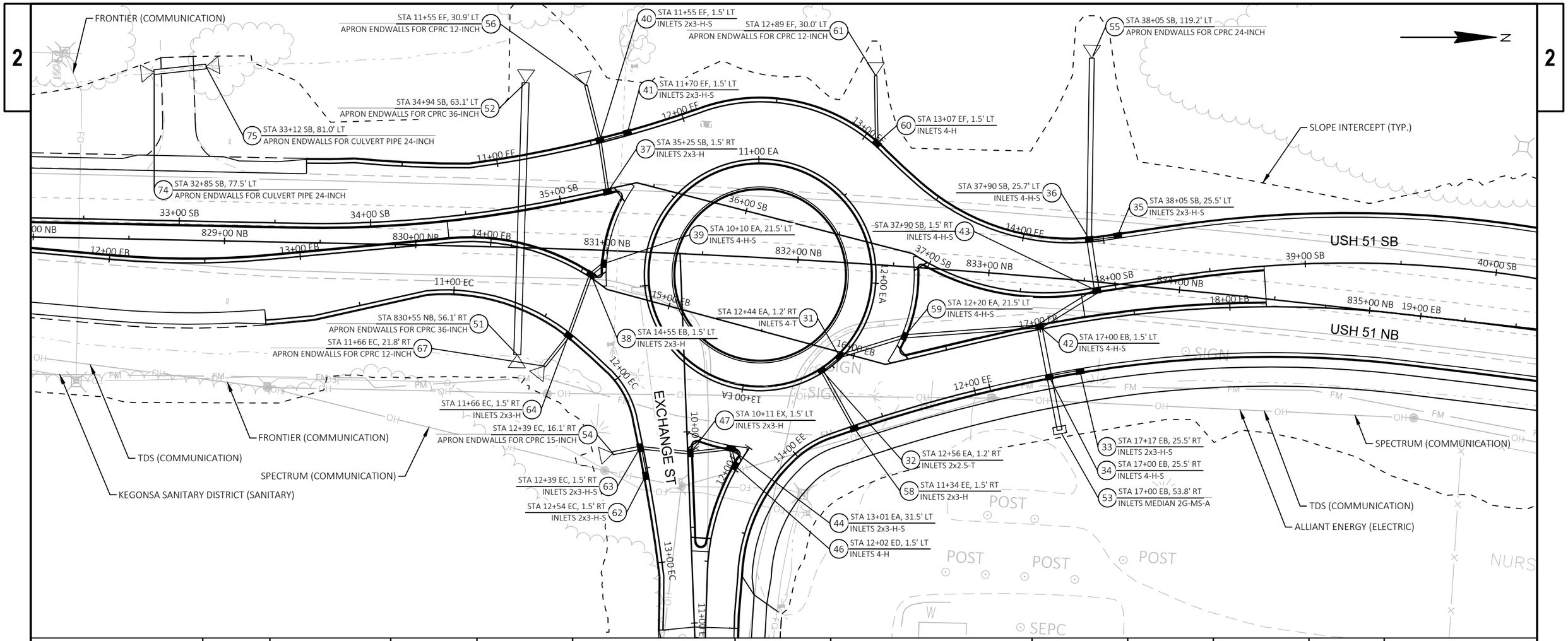


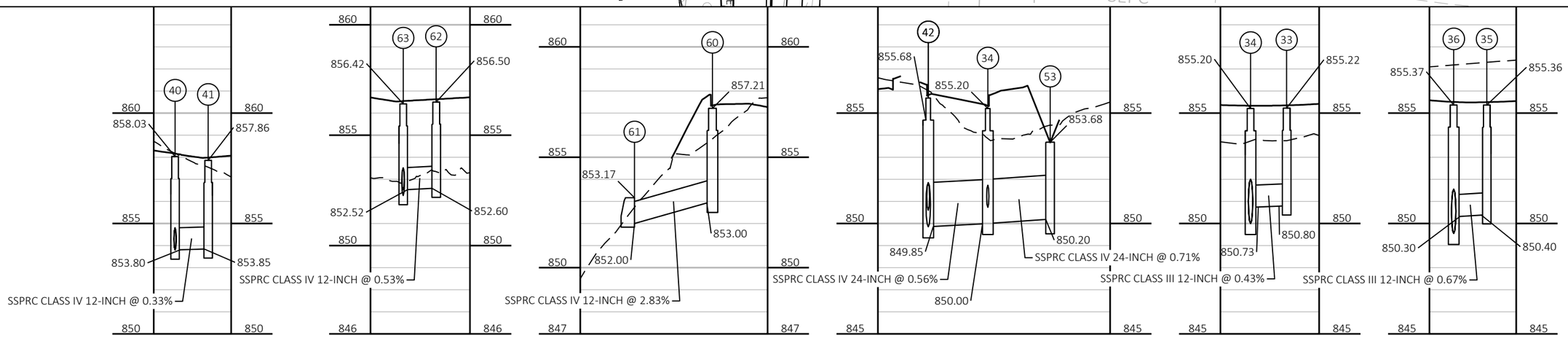


PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	STORM SEWER PLAN	SHEET 83	E

FILE NAME : S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\022501-SS.DWG
LAYOUT NAME - 022504a-ss

PLOT DATE : 7/31/2025 10:16 AM PLOT BY : KOWALSKI, NICK PLOT NAME : PLOT SCALE : ##########





PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	STORM SEWER PLAN	SHEET 84	E

FILE NAME : S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\022501-SS.DWG
LAYOUT NAME - 022504b-ss
PLOT DATE : 7/31/2025 10:16 AM
PLOT BY : KOWALSKI, NICK
PLOT NAME :
PLOT SCALE : ##########

2

STRUCTURE NO.	STATION		OFFSET	C-C (ft)	DOWNSTREAM STRUCTURE	INLET TYPE	COVER	RIM/ GRATE ELEVATION	T.O.S. ELEVATION	DEPTH (FT)	DISCHARGE PIPE					REMARKS
											SIZE (IN)	INVERT ELEVATIONS	DISCHARGE ELEVATION	LENGTH (FT)	SLOPE (%)	
31	12+44.0	EA	1.2 ' RT	35.6	59	4-FT	T	855.79	854.83	3.70	15	851.13	850.95	36	0.51%	
32	12+56.0	EA	1.2 ' RT	11.7	31	2X2.5-FT	T	855.79	854.83	3.35	12	851.48	851.38	12	0.85%	
33	17+17.0	EB	25.5 ' RT	16.4	34	2X3-FT	H-S	855.22	854.39	3.59	12	850.80	850.73	16	0.43%	
34	17+00.0	EB	25.5 ' RT	27.0	42	4-FT	H-S	855.20	854.37	4.37	24	850.00	849.85	27	0.56%	
35	38+05.0	US 51 SB	25.5 ' LT	15.0	36	2X3-FT	H-S	855.36	854.53	4.13	12	850.40	850.30	15	0.67%	
36	37+90.0	US 51 SB	25.7 ' LT	94.7	55	4-FT	H-S	855.37	854.54	4.99	24	849.55	849.00	95	0.58%	
37	35+25.0	US 51 SB	1.5 ' RT	27.5	40	2X3-FT	H	858.55	857.72	3.72	12	854.00	853.80	28	0.73%	
38	14+55.0	EB	1.5 ' LT	34.2	64	2X3-FT	H	857.95	857.12	3.71	12	853.41	853.25	34	0.47%	
39	10+10.0	EA	21.5 ' LT	8.7	38	4-FT	H-S	857.88	857.05	3.59	12	853.46	853.41	9	0.57%	
40	11+55.0	EF	1.5 ' LT	29.4	56	2X3-FT	H-S	858.03	857.20	3.40	12	853.80	853.40	29	1.36%	
41	11+70.0	EF	1.5 ' LT	15.0	40	2X3-FT	H-S	857.86	857.03	3.18	12	853.85	853.80	15	0.33%	
42	17+00.0	EB	1.5 ' LT	35.3	43	4-FT	H-S	855.68	854.85	5.00	24	849.85	849.68	35	0.48%	
43	37+90.0	US 51 SB	1.5 ' RT	27.2	36	4-FT	H-S	855.83	855.00	5.32	24	849.68	849.55	27	0.48%	
44	13+01.0	EA	31.5 ' LT	21.0	47	2X3-FT	H-S	856.39	855.56	2.80	12	852.76	852.65	21	0.52%	
46	12+02.0	ED	1.5 ' LT	9.3	44	4-FT	H	856.38	855.55	2.75	12	852.80	852.76	9	0.43%	
47	10+11.0	EX	1.5 ' LT	26.5	63	2X3-FT	H	856.70	855.87	3.22	12	852.65	852.52	27	0.49%	
51	830+54.7	US 51 NB	56.1 ' RT	142.2	52	-	-	-	-	-	36	851.40	850.50	142	0.63%	APRON ENDWALLS FOR CPRC 36-INCH
52	34+93.9	US 51 SB	63.1 ' LT	-	-	-	-	-	-	-	-	850.50	-	-	-	APRON ENDWALLS FOR CPRC 36-INCH
53	17+00.0	EB	53.8 ' RT	28.3	34	MEDIAN 2 GRATE	MS-A	853.68	853.68	3.48	24	850.20	850.00	28	0.71%	
54	12+39.0	EC	16.1 ' RT	-	-	-	-	-	-	-	-	850.00	-	-	-	APRON ENDWALLS FOR CPRC 15-INCH
55	38+05.4	US 51 SB	119.2 ' LT	-	-	-	-	-	-	-	-	850.73	-	-	-	APRON ENDWALLS FOR CPRC 24-INCH
56	11+55.0	EF	30.9 ' LT	-	-	-	-	-	-	-	-	853.80	-	-	-	APRON ENDWALLS FOR CPRC 12-INCH
58	11+34.0	EE	1.5 ' RT	34.9	32	2X3-FT	H	855.79	854.96	3.30	12	851.66	851.48	35	0.52%	
59	12+20.0	EA	21.5 ' LT	70.7	42	4-FT	H-S	856.23	855.40	4.45	15	850.95	850.60	71	0.50%	
60	13+07.0	EF	1.5 ' LT	35.3	61	4-FT	H	857.21	856.38	3.38	12	853.00	852.00	35	2.83%	
61	12+89.0	EF	30.0 ' LT	-	-	-	-	853.17	-	-	-	852.00	-	-	-	APRON ENDWALLS FOR CPRC 12-INCH
62	12+54.0	EC	1.5 ' RT	15.0	63	2X3-FT	H-S	856.50	855.67	3.07	12	852.60	852.52	15	0.53%	
63	12+39.0	EC	1.5 ' RT	14.6	54	2X3-FT	H-S	856.42	855.59	3.32	15	852.27	851.90	15	2.53%	
64	11+66.0	EC	1.5 ' RT	20.3	67	2X3-FT	H	857.44	856.61	3.36	12	853.25	852.00	20	6.16%	
67	11+66.0	EC	21.8 ' RT	-	-	-	-	-	-	-	-	852.00	-	-	-	APRON ENDWALLS FOR CPRC 12-INCH
74	32+85.2	US 51 SB	77.5 ' LT	27.3	75	-	-	-	-	-	24	857.39	855.43	27	7.18%	APRON ENDWALLS FOR CULVERT PIPE 24-INCH; CLASS III-A NON-METAL CULVERT PIPE REQ'D
75	33+12.3	US 51 SB	81.0 ' LT	-	-	-	-	-	-	-	-	855.43	-	-	-	APRON ENDWALLS FOR CULVERT PIPE 24-INCH

2

N

USH 51 SB

TOWER ROAD

USH 51 NB

USH 51 SB

USH 51 NB

CRANE COURT

Y = 454865.64
X = 841692.55

Y = 454753.17
X = 841761.80

Y = 454935.76
X = 841805.78

Y = 454822.35
X = 841875.77

SG (64 EACH)

JG (320 EACH)

PDS (448 EACH)

PLG (392 EACH)

JG (320 EACH)

LBS (544 EACH)

PLG (392 EACH)

JG (320 EACH)

PLG (392 EACH)

JG (320 EACH)

PLG (392 EACH)

R62.50'

R62.50'

R62.50'

R62.50'

11+00 TA

12+00 TA

13+00 TA

13.5'

13.5'

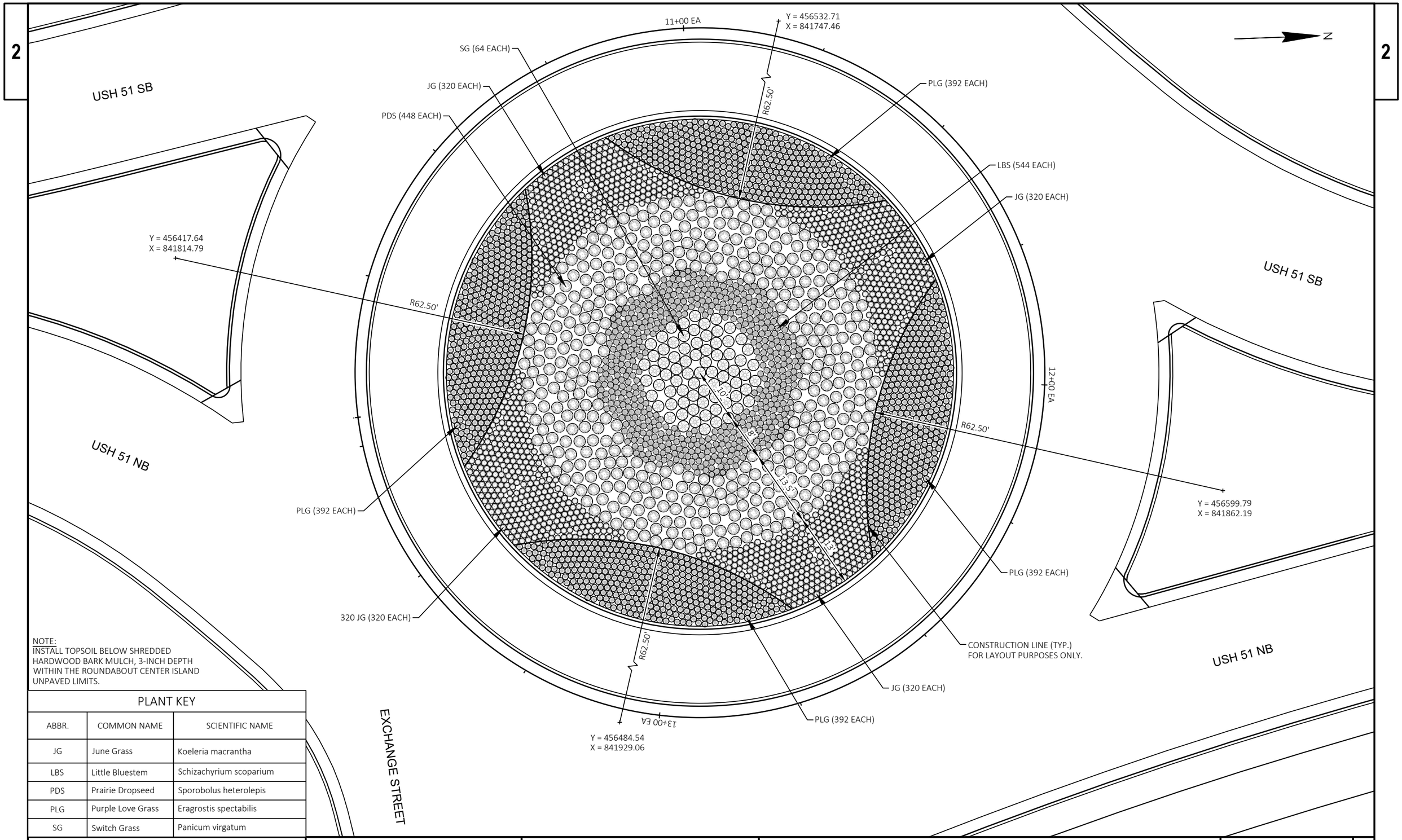
CONSTRUCTION LINE (TYP.)
FOR LAYOUT PURPOSES ONLY.

NOTE:
INSTALL TOPSOIL BELOW SHREDDED HARDWOOD BARK MULCH, 3-INCH DEPTH WITHIN THE ROUNDABOUT CENTER ISLAND UNPAVED LIMITS.

PLANT KEY

ABBR.	COMMON NAME	SCIENTIFIC NAME
JG	June Grass	Koeleria macrantha
LBS	Little Bluestem	Schizachyrium scoparium
PDS	Prairie Dropseed	Sporobolus heterolepis
PLG	Purple Love Grass	Eragrostis spectabilis
SG	Switch Grass	Panicum virgatum

PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	PLANTING - TOWER ROAD ROUNDABOUT	SHEET 86	E



NOTE:
INSTALL TOPSOIL BELOW SHREDDED HARDWOOD BARK MULCH, 3-INCH DEPTH WITHIN THE ROUNDABOUT CENTER ISLAND UNPAVED LIMITS.

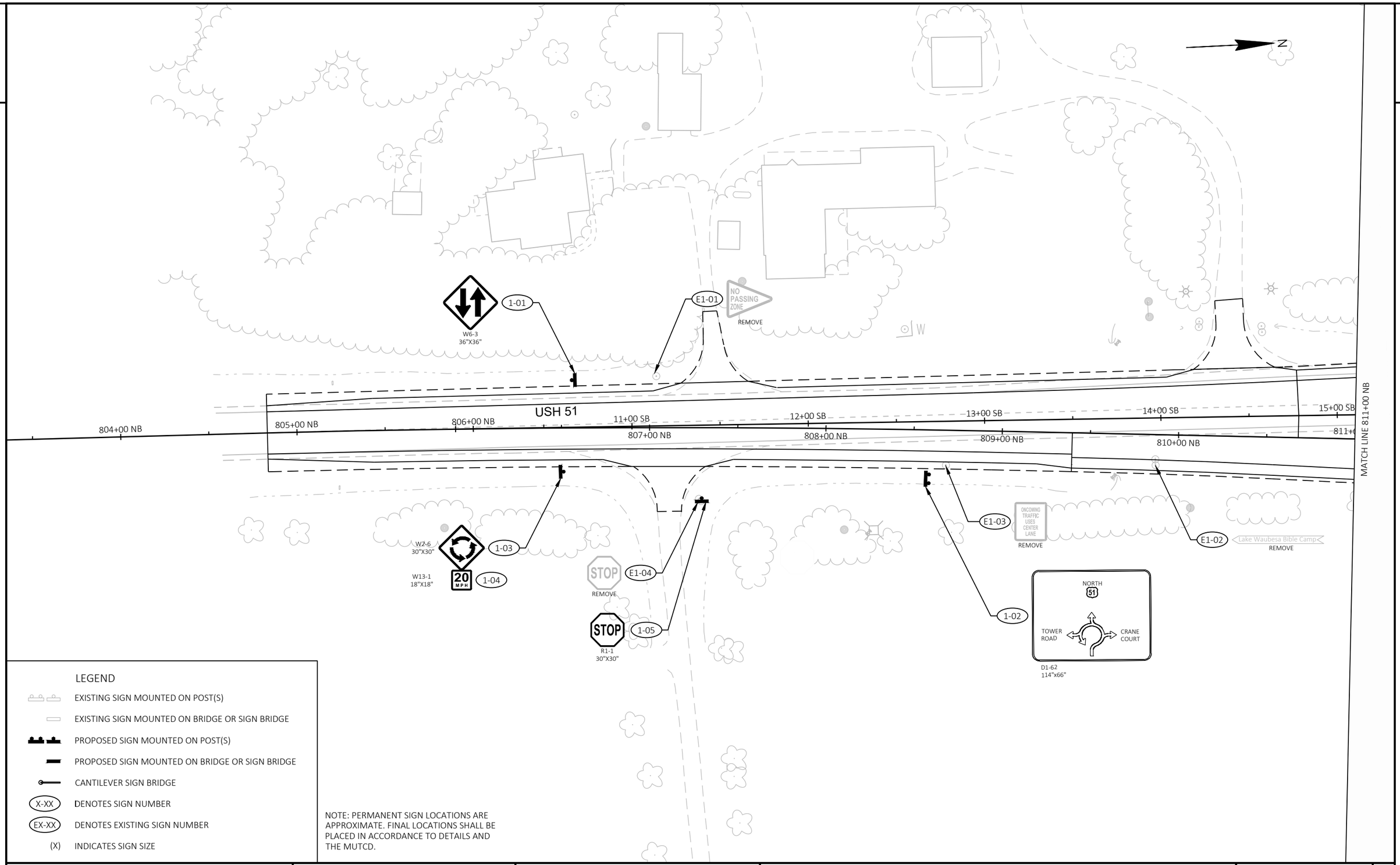
PLANT KEY

ABBR.	COMMON NAME	SCIENTIFIC NAME
JG	June Grass	Koeleria macrantha
LBS	Little Bluestem	Schizachyrium scoparium
PDS	Prairie Dropseed	Sporobolus heterolepis
PLG	Purple Love Grass	Eragrostis spectabilis
SG	Switch Grass	Panicum virgatum

PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	PLANTING - EXCHANGE STREET ROUNDABOUT	SHEET 87	E

FILE NAME : S:\MAD\1000--1099\1089\983\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\023101-PL.DWG
LAYOUT NAME - 023102-pl
PLOT DATE : 10/22/2025 11:46 AM PLOT BY : HABERKORN, DEVEN PLOT NAME : PLOT SCALE : 1 IN:15 FT
WISDOT/CADDS SHEET 42

2



LEGEND

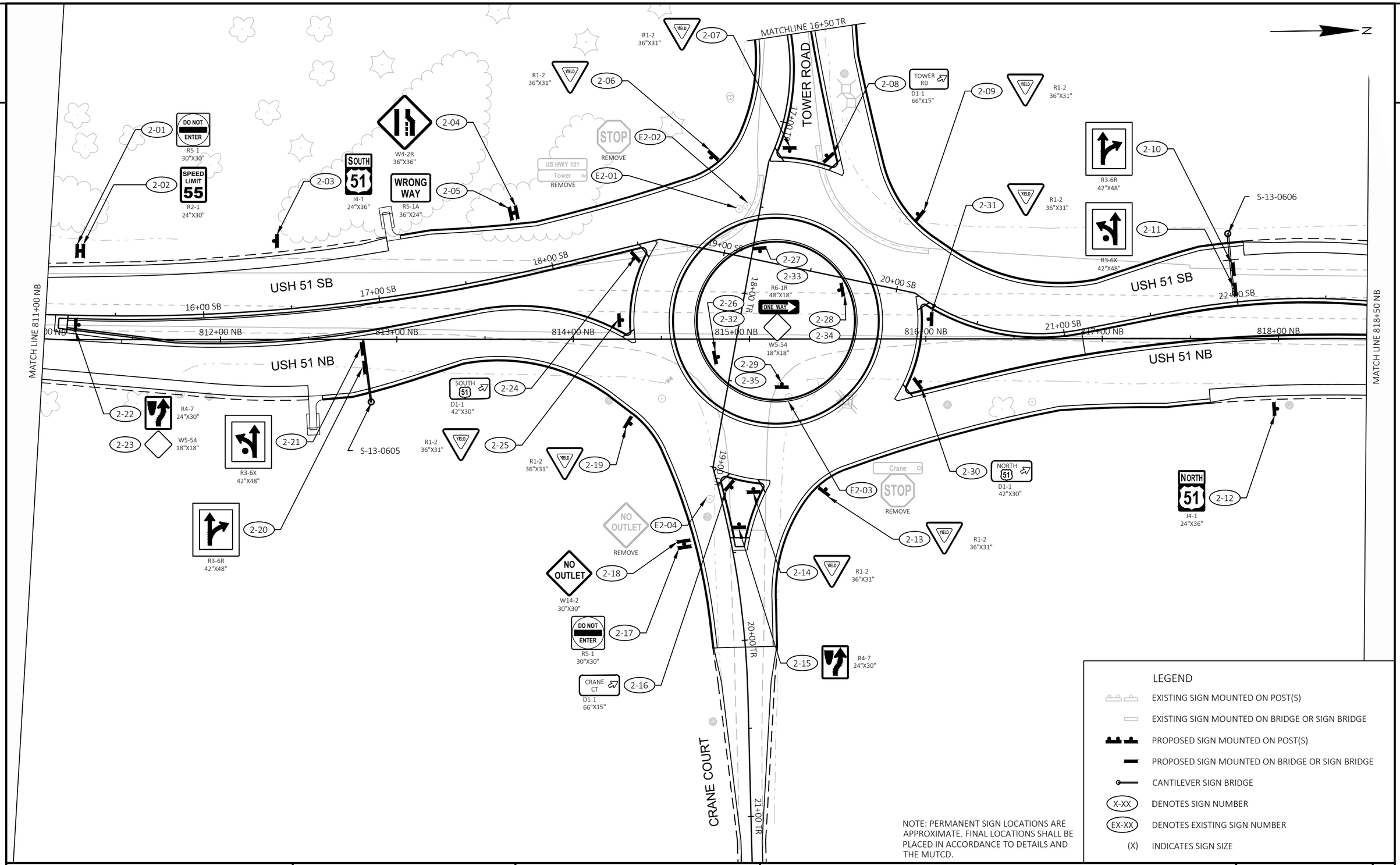
- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- X-XX DENOTES SIGN NUMBER
- EX-XX DENOTES EXISTING SIGN NUMBER
- (X) INDICATES SIGN SIZE

NOTE: PERMANENT SIGN LOCATIONS ARE APPROXIMATE. FINAL LOCATIONS SHALL BE PLACED IN ACCORDANCE TO DETAILS AND THE MUTCD.

PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	PERMANENT SIGNING	SHEET 88	E

FILE NAME : S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\023201-PS.DWG
LAYOUT NAME - 023201-ps

PLOT DATE : 7/25/2025 10:55 AM PLOT BY : KOWALSKI, NICK PLOT NAME : PLOT SCALE : 1 IN:50 FT



LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- X-XX DENOTES SIGN NUMBER
- EX-XX DENOTES EXISTING SIGN NUMBER
- (X) INDICATES SIGN SIZE

NOTE: PERMANENT SIGN LOCATIONS ARE APPROXIMATE. FINAL LOCATIONS SHALL BE PLACED IN ACCORDANCE TO DETAILS AND THE MUTCD.

PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	PERMANENT SIGNING	SHEET 89	E

2

N

APPLE BLOSSOM LANE

3-01 SOUTH 51 CRANE COURT TOWER ROAD D1-62 114"x66"

E3-01 REMOVE

W2-6 30"X30" 3-02

W13-1 18"X18" 20 MPH 3-03

E3-02 Lake Waubesa Bible Camp REMOVE

E3-03 REMOVE

STOP E3-04 REMOVE

ADOPT A HIGHWAY PACE ANALYTICAL SERVICES LLC E5-01 MOVE FROM STA. 838+00

E3-05 RIGHT LANE ENDS REMOVE

MATCH LINE 818+50 NB

23+00 SB | 24+00 SB | 25+00 SB | 26+00 SB | 27+00 SB | 28+00 SB | 29+00 SB | 30+00 SB

USH 51 SB

819+00 NB | 820+00 NB | 821+00 NB | 822+00 NB | 823+00 NB | 824+00 NB | 825+00 NB | 826+

MATCH LINE 826+00 NB

USH 51 NB

3-05 SPEED LIMIT 40 R2-1 24"X30"

E3-06 REMOVE

3-04 Babcock County Park 1/2 MILE D7-67A 60"X36"

W2-6 30"X30" 3-06

W13-1 18"X18" 20 MPH 3-07

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- X-XX DENOTES SIGN NUMBER
- EX-XX DENOTES EXISTING SIGN NUMBER
- (X) INDICATES SIGN SIZE

NOTE: PERMANENT SIGN LOCATIONS ARE APPROXIMATE. FINAL LOCATIONS SHALL BE PLACED IN ACCORDANCE TO DETAILS AND THE MUTCD.

PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	PERMANENT SIGNING	SHEET 90	E

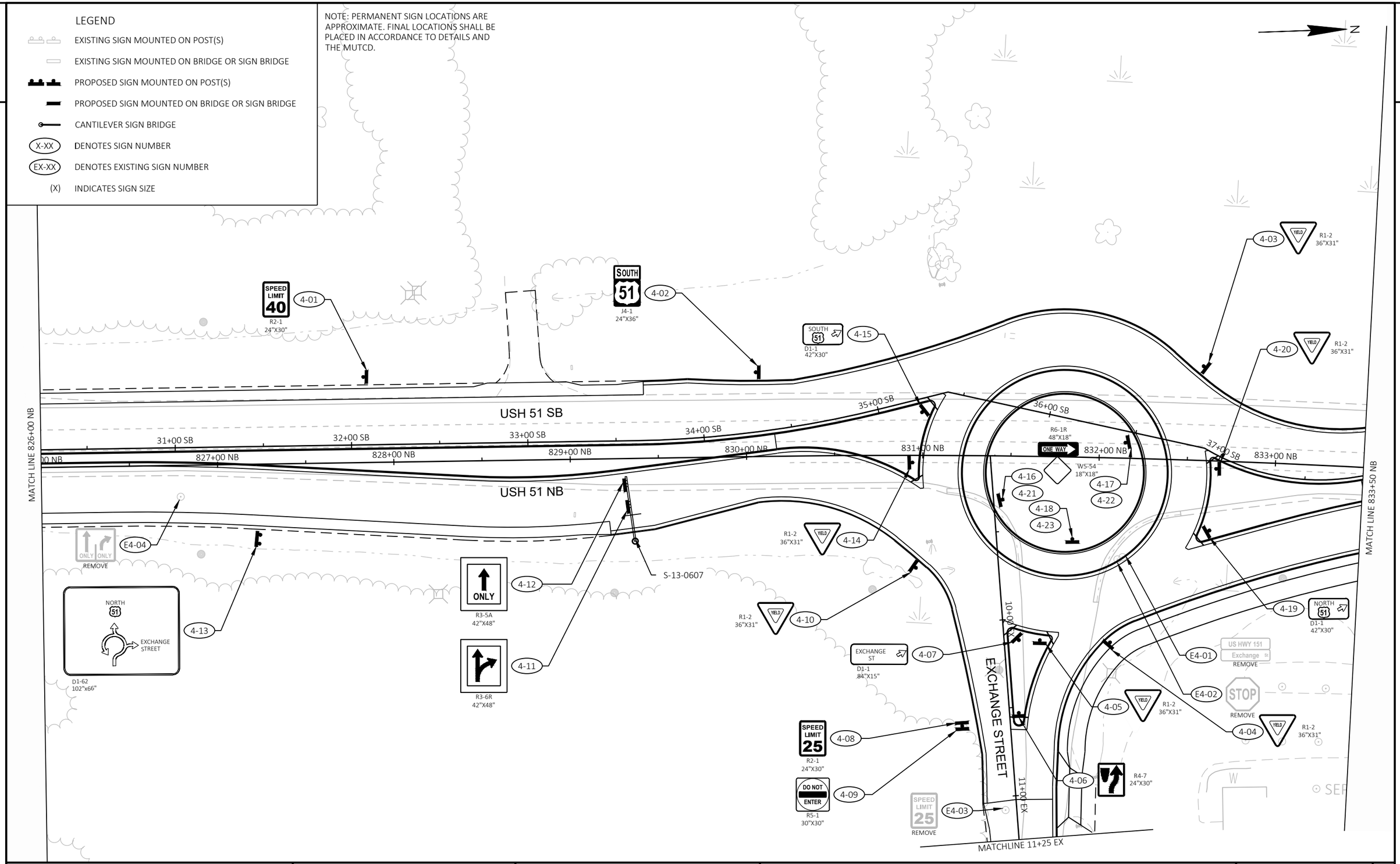
FILE NAME : S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\023201-PS.DWG
LAYOUT NAME - 023203-ps
PLOT DATE : 7/25/2025 10:55 AM
PLOT BY : KOWALSKI, NICK
PLOT NAME :
PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 42

2

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- X-XX DENOTES SIGN NUMBER
- EX-XX DENOTES EXISTING SIGN NUMBER
- (X) INDICATES SIGN SIZE

NOTE: PERMANENT SIGN LOCATIONS ARE APPROXIMATE. FINAL LOCATIONS SHALL BE PLACED IN ACCORDANCE TO DETAILS AND THE MUTCD.



PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	PERMANENT SIGNING	SHEET 91	E

FILE NAME : S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\023201-PS.DWG
LAYOUT NAME - 023204-ps

PLOT DATE : 7/25/2025 10:55 AM PLOT BY : KOWALSKI, NICK PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 42

2

N

5-01
ONLY
R3-5A
42"X48"

5-02
R3-6X
42"X48"

S-13-0608

5-03
SOUTH
51
EXCHANGE STREET
D1-62
102"x66"

5-04
W2-6
30"X30"

5-05
20 MPH
W13-1
18"X18"

ADOPT A HIGHWAY
PACE ANALYTICAL SERVICES LLC
E5-01
MOVE TO STA. 826+00

USH 51 SB
39+00 SB
40+00 SB
41+00 SB
42+00 SB
838+00 NB
839+00 NB
840+00 NB
841+00 NB
837+00 NB
836+00 NB
835+00 NB
834+00 NB
38+00 SB
MATCH LINE 833+50 NB
USH 51 NB

5-09
R4-7
24"X30"

5-10
W5-54
18"X18"

E5-02
SPEED LIMIT 40
REMOVE

5-08
NORTH
51
J4-1
24"X36"

5-11
SIDEWALK CLOSED
R9-9
24"X12"

5-07
SPEED LIMIT 40
R2-1
24"X30"

5-06
W6-3
36"X36"

NOTE: PERMANENT SIGN LOCATIONS ARE APPROXIMATE. FINAL LOCATIONS SHALL BE PLACED IN ACCORDANCE TO DETAILS AND THE MUTCD.

LEGEND

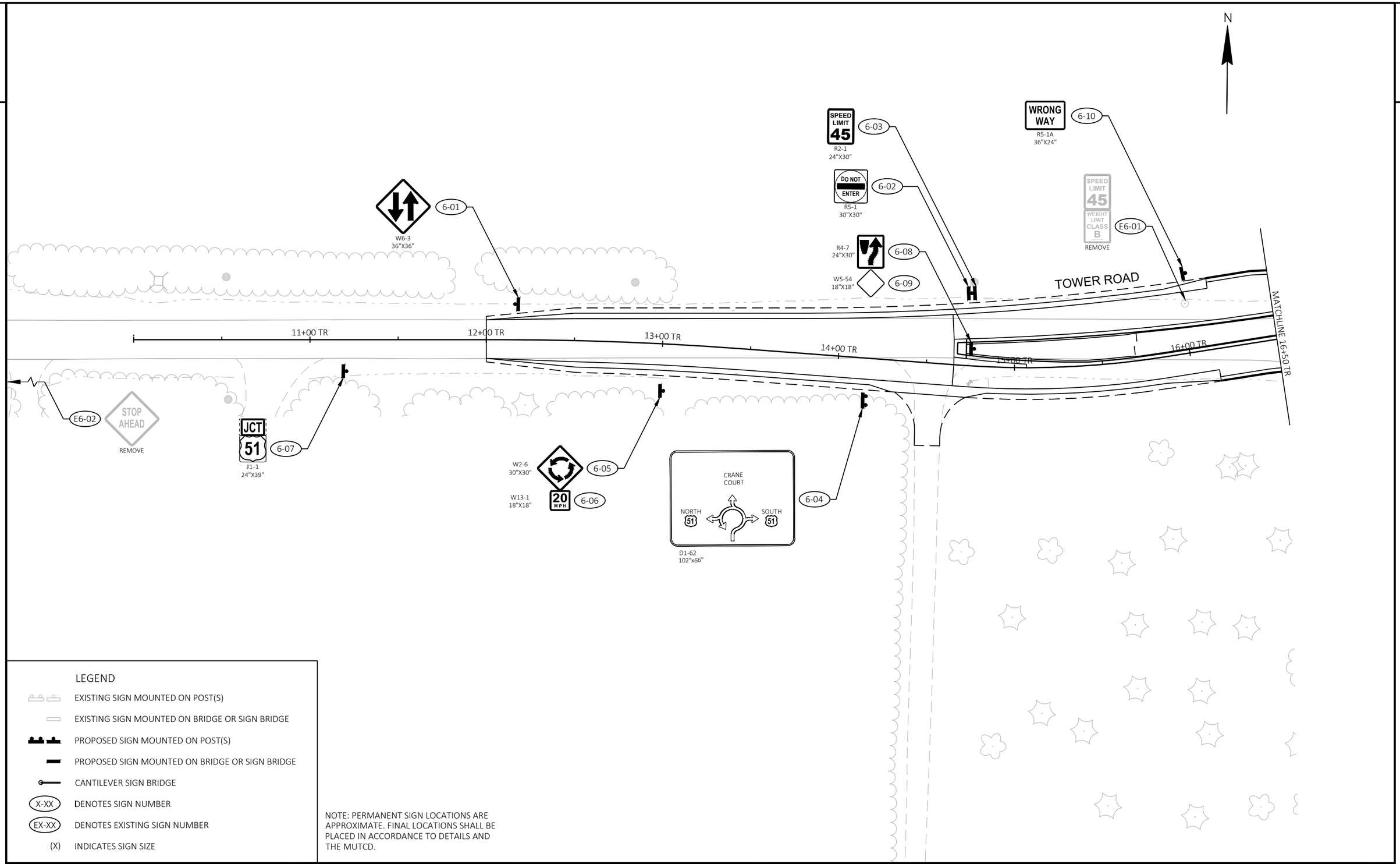
- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- X-XX — DENOTES SIGN NUMBER
- EX-XX — DENOTES EXISTING SIGN NUMBER
- (X) — INDICATES SIGN SIZE

PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	PERMANENT SIGNING	SHEET 92	E

FILE NAME : S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\023201-PS.DWG
LAYOUT NAME - 023205-ps

PLOT DATE : 7/25/2025 10:55 AM PLOT BY : KOWALSKI, NICK PLOT NAME : PLOT SCALE : 1 IN:50 FT

2



LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- X-XX — DENOTES SIGN NUMBER
- EX-XX — DENOTES EXISTING SIGN NUMBER
- (X) — INDICATES SIGN SIZE

NOTE: PERMANENT SIGN LOCATIONS ARE APPROXIMATE. FINAL LOCATIONS SHALL BE PLACED IN ACCORDANCE TO DETAILS AND THE MUTCD.

PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	PERMANENT SIGNING	SHEET 93	E

FILE NAME : S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\023201-PS.DWG
LAYOUT NAME - 023206-ps

PLOT DATE : 7/25/2025 10:55 AM PLOT BY : KOWALSKI, NICK PLOT NAME : PLOT SCALE : 1 IN:50 FT

2

N

SEPC

SEPV

SEPV

W2-6
30"X30"

7-01

E7-01

STOP
AHEAD

REMOVE

W13-1
18"X18"

20
MPH

7-02

JCT
51

J1-1
24"X39"

7-04

7-03

SOUTH 51

NORTH 51

D1-62
102"x48"

U/C

MATCHLINE 11+25 EX

12+00 EX

13+00 EX

14+00 EX

EXCHANGE STREET

7-05

W6-3
36"X36"

NOTE: PERMANENT SIGN LOCATIONS ARE APPROXIMATE. FINAL LOCATIONS SHALL BE PLACED IN ACCORDANCE TO DETAILS AND THE MUTCD.

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- (X-XX) DENOTES SIGN NUMBER
- (EX-XX) DENOTES EXISTING SIGN NUMBER
- (X) INDICATES SIGN SIZE

PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	PERMANENT SIGNING	SHEET 94	E

FILE NAME : S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\023201-PS.DWG
LAYOUT NAME - 023207-ps

PLOT DATE : 7/25/2025 10:55 AM PLOT BY : KOWALSKI, NICK PLOT NAME : PLOT SCALE : 1 IN:50 FT

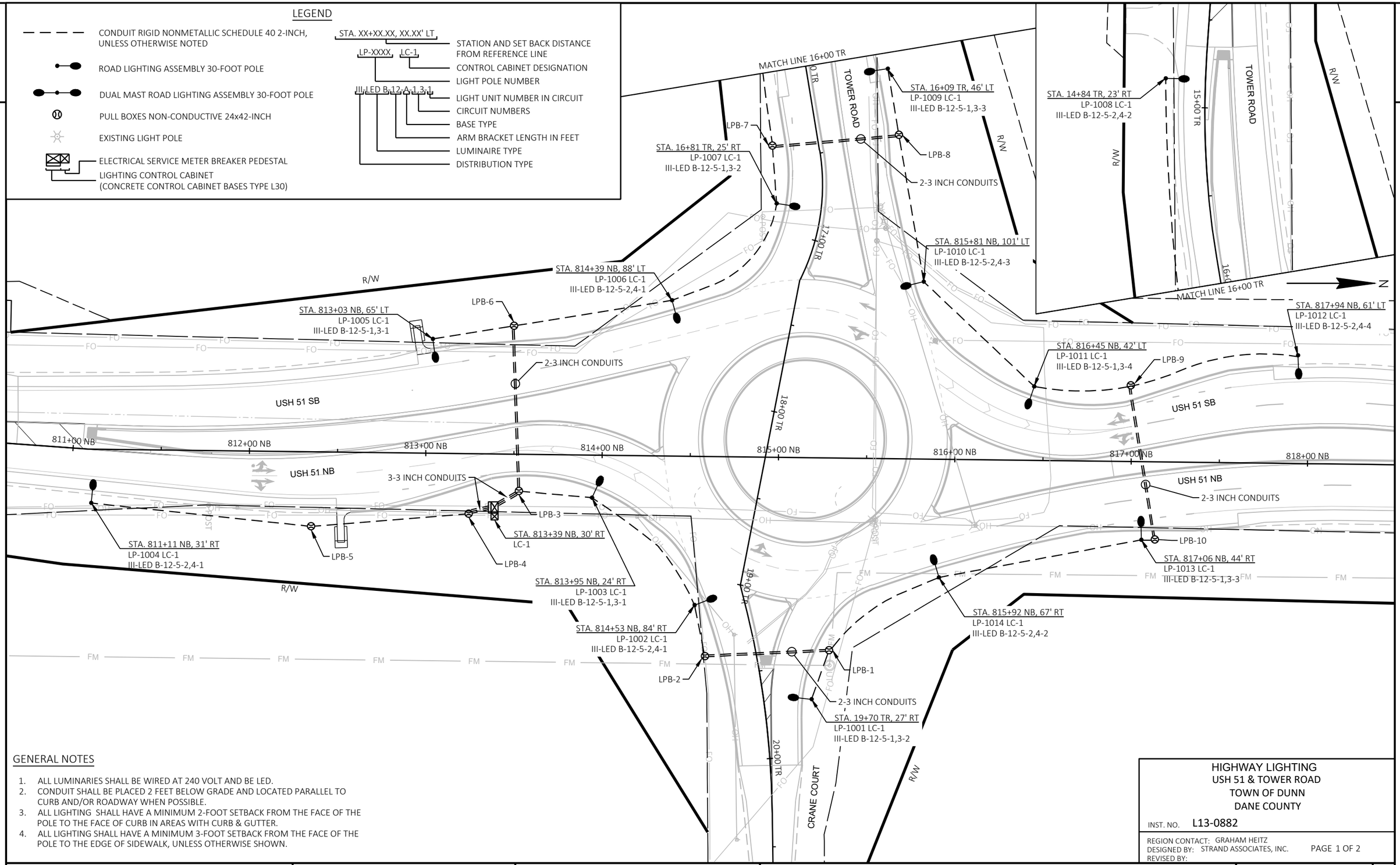
WISDOT/CADDS SHEET 42

2

LEGEND

- CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH, UNLESS OTHERWISE NOTED
- ROAD LIGHTING ASSEMBLY 30-FOOT POLE
- DUAL MAST ROAD LIGHTING ASSEMBLY 30-FOOT POLE
- PULL BOXES NON-CONDUCTIVE 24x42-INCH
- EXISTING LIGHT POLE
- ELECTRICAL SERVICE METER BREAKER PEDESTAL
- LIGHTING CONTROL CABINET (CONCRETE CONTROL CABINET BASES TYPE L30)

STA. XX+XX.XX, XX.XX' LT — STATION AND SET BACK DISTANCE FROM REFERENCE LINE
LP-XXXX — LIGHT POLE NUMBER
LC-1 — CONTROL CABINET DESIGNATION
III-LED B-12-A-1,3-1
- LIGHT UNIT NUMBER IN CIRCUIT
- CIRCUIT NUMBERS
- BASE TYPE
- ARM BRACKET LENGTH IN FEET
- LUMINAIRE TYPE
- DISTRIBUTION TYPE



GENERAL NOTES

1. ALL LUMINARIES SHALL BE WIRED AT 240 VOLT AND BE LED.
2. CONDUIT SHALL BE PLACED 2 FEET BELOW GRADE AND LOCATED PARALLEL TO CURB AND/OR ROADWAY WHEN POSSIBLE.
3. ALL LIGHTING SHALL HAVE A MINIMUM 2-FOOT SETBACK FROM THE FACE OF THE POLE TO THE FACE OF CURB IN AREAS WITH CURB & GUTTER.
4. ALL LIGHTING SHALL HAVE A MINIMUM 3-FOOT SETBACK FROM THE FACE OF THE POLE TO THE EDGE OF SIDEWALK, UNLESS OTHERWISE SHOWN.

HIGHWAY LIGHTING
USH 51 & TOWER ROAD
TOWN OF DUNN
DANE COUNTY

INST. NO. L13-0882

REGION CONTACT: GRAHAM HEITZ
DESIGNED BY: STRAND ASSOCIATES, INC.
REVISED BY:

PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	LIGHTING PLAN	SHEET 95	E

FILE NAME : S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\023601-LP.DWG
LAYOUT NAME - 023601-lp
PLOT DATE : 9/25/2025 11:00 AM
PLOT BY : HABERKORN, DEVEN
PLOT NAME :
PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 42

2

N

R/W

R/W

R/W

STA. 831+90 NB, 89' LT
LP-2004 LC-2
III-LED B-12-5-1,3-2

STA. 829+95 NB, 49' LT
LP-2003 LC-2
III-LED B-12-5-2,4-1

LPB-15

LPB-14

2-3 INCH CONDUITS

USH 51 SB

828+00 NB

829+00 NB

830+00 NB

831+00 NB

832+00 NB

833+00 NB

834+00 NB

835+00 NB

USH 51 NB

2-3 INCH CONDUITS

3-3 INCH CONDUITS

STA. 830+78 NB, 10' LT
LP-2001 LC-2
III-LED B-12-5-1,3-1

LPB-13

LPB-12

STA. 829+01 NB, 50' RT
LP-2002 LC-2
III-LED B-12-5-2,4-1

STA. 830+24 NB, 44' RT
LC-2

STA. 831+10 NB, 83' RT
LP-2008 LC-2
III-LED B-12-5-2,4-1

LPB-11

10+00 EX

11+00 EX

12+00 EX

EXCHANGE STREET

LPB-16

STA. 834+55 NB, 51' LT
LP-2006 LC-2
III-LED B-12-5-2,4-2

2-3 INCH CONDUITS

LPB-17

2-3 INCH CONDUITS

STA. 832+86 NB, 22' RT
LP-2005 LC-2
III-LED B-12-5-2,4-2

STA. 833+75 NB, 62' RT
LP-2007 LC-2
III-LED B-12-5-1,3-2

LPB-18

R/W

TLE

LPB-19

2-3 INCH CONDUITS

STA. 831+99 NB, 163' RT
LP-2009 LC-2
III-LED B-12-5-1,3-1

GENERAL NOTES

1. ALL LUMINARIES SHALL BE WIRED AT 240 VOLT AND BE LED.
2. CONDUIT SHALL BE PLACED 2 FEET BELOW GRADE AND LOCATED PARALLEL TO CURB AND/OR ROADWAY WHEN POSSIBLE.
3. ALL LIGHTING SHALL HAVE A MINIMUM 2-FOOT SETBACK FROM THE FACE OF THE POLE TO THE FACE OF CURB IN AREAS WITH CURB & GUTTER.
4. ALL LIGHTING SHALL HAVE A MINIMUM 3-FOOT SETBACK FROM THE FACE OF THE POLE TO THE EDGE OF SIDEWALK, UNLESS OTHERWISE SHOWN.

LEGEND

- CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH, UNLESS OTHERWISE NOTED
- ROAD LIGHTING ASSEMBLY 30-FOOT POLE
- DUAL MAST ROAD LIGHTING ASSEMBLY 30-FOOT POLE
- PULL BOXES NON-CONDUCTIVE 24x42-INCH
- EXISTING LIGHT POLE
- ELECTRICAL SERVICE METER BREAKER PEDESTAL
- LIGHTING CONTROL CABINET (CONCRETE CONTROL CABINET BASES TYPE L30)

STA. XX+XX.XX, XX.XX' LT
- STATION AND SET BACK DISTANCE FROM REFERENCE LINE

LP-XXXX LC-1
- CONTROL CABINET DESIGNATION
- LIGHT POLE NUMBER

III-LED B-12-A-1,3-1
- LIGHT UNIT NUMBER IN CIRCUIT
- CIRCUIT NUMBERS
- BASE TYPE
- ARM BRACKET LENGTH IN FEET
- LUMINAIRE TYPE
- DISTRIBUTION TYPE

HIGHWAY LIGHTING
USH 51 & EXCHANGE STREET
TOWN OF DUNN
DANE COUNTY

INST. NO. L13-0883

REGION CONTACT: GRAHAM HEITZ
DESIGNED BY: STRAND ASSOCIATES, INC.
REVISED BY:

PAGE 1 OF 2

PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	LIGHTING PLAN	SHEET 96	E

FILE NAME : S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\023601-LP.DWG
LAYOUT NAME - 023602-lp

PLOT DATE : 9/25/2025 11:00 AM PLOT BY : HABERKORN, DEVEN PLOT NAME : PLOT SCALE : 1 IN:50 FT

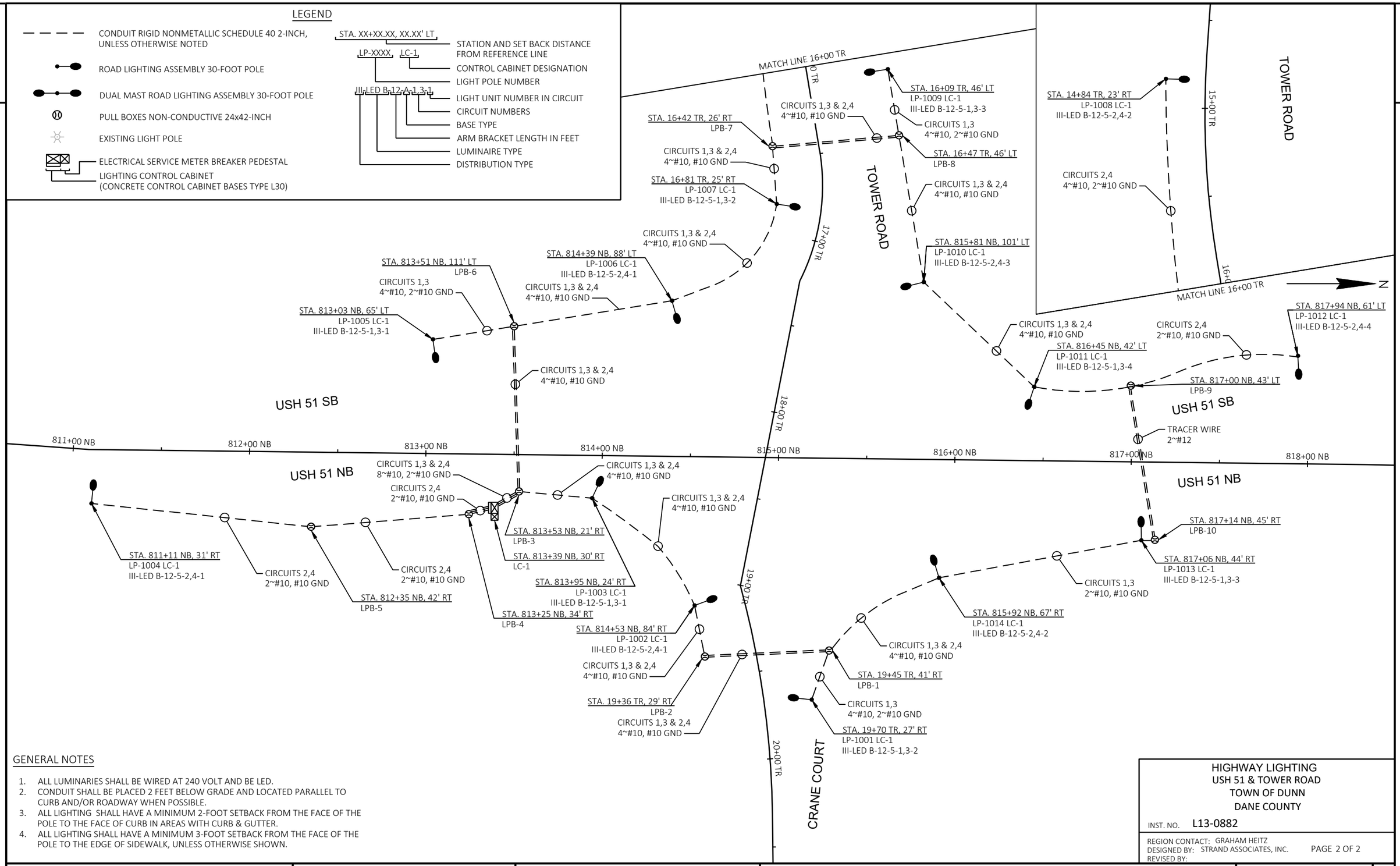
WISDOT/CADDS SHEET 42

2

LEGEND

- CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH, UNLESS OTHERWISE NOTED
- ROAD LIGHTING ASSEMBLY 30-FOOT POLE
- DUAL MAST ROAD LIGHTING ASSEMBLY 30-FOOT POLE
- PULL BOXES NON-CONDUCTIVE 24x42-INCH
- EXISTING LIGHT POLE
- ELECTRICAL SERVICE METER BREAKER PEDESTAL
- LIGHTING CONTROL CABINET (CONCRETE CONTROL CABINET BASES TYPE L30)

STA. XX+XX.XX, XX.XX' LT — STATION AND SET BACK DISTANCE FROM REFERENCE LINE
LP-XXXX — LIGHT POLE NUMBER
LC-1 — CONTROL CABINET DESIGNATION
III-LED B-12-A-1,3-1 — LIGHT UNIT NUMBER IN CIRCUIT; CIRCUIT NUMBERS; BASE TYPE; ARM BRACKET LENGTH IN FEET; LUMINAIRE TYPE; DISTRIBUTION TYPE



GENERAL NOTES

1. ALL LUMINARIES SHALL BE WIRED AT 240 VOLT AND BE LED.
2. CONDUIT SHALL BE PLACED 2 FEET BELOW GRADE AND LOCATED PARALLEL TO CURB AND/OR ROADWAY WHEN POSSIBLE.
3. ALL LIGHTING SHALL HAVE A MINIMUM 2-FOOT SETBACK FROM THE FACE OF THE POLE TO THE FACE OF CURB IN AREAS WITH CURB & GUTTER.
4. ALL LIGHTING SHALL HAVE A MINIMUM 3-FOOT SETBACK FROM THE FACE OF THE POLE TO THE EDGE OF SIDEWALK, UNLESS OTHERWISE SHOWN.

HIGHWAY LIGHTING
USH 51 & TOWER ROAD
TOWN OF DUNN
DANE COUNTY

INST. NO. L13-0882

REGION CONTACT: GRAHAM HEITZ
DESIGNED BY: STRAND ASSOCIATES, INC.
REVISED BY:

PAGE 2 OF 2

PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	LIGHTING PLAN - WIRING DIAGRAM	SHEET 97	E

2

N

USH 51 SB

USH 51 NB

828+00 NB

829+00 NB

830+00 NB

831+00 NB

832+00 NB

833+00 NB

834+00 NB

835+00 NB

10+00 EX

11+00 EX

12+00 EX

EXCHANGE STREET

STA. 830+39 NB, 54' LT
LPB-15

CIRCUITS 2,4
4~#10, 2~#10 GND

STA. 829+95 NB, 49' LT
LP-2003 LC-2
III-LED B-12-5-2,4-1

CIRCUITS 1,3 & 2,4
4~#10, #10 GND

STA. 831+90 NB, 89' LT
LP-2004 LC-2
III-LED B-12-5-1,3-2

CIRCUITS 1,3 & 2,4
4~#10, #10 GND

STA. 830+35 NB, 11' LT
LPB-14

CIRCUITS 1,3
4~#10, 2~#10 GND

CIRCUITS 1,3 & 2,4
4~#10, #10 GND

CIRCUITS 2,4
2~#10, #10 GND

STA. 833+05 NB, 33' LT
LPB-16

CIRCUITS 2,4
2~#10, #10 GND

STA. 834+55 NB, 51' LT
LP-2006 LC-2
III-LED B-12-5-2,4-2

TRACER WIRE
2~#12

CIRCUITS 1,3 & 2,4
8~#10, 2~#10 GND

CIRCUITS 2,4
2~#10, #10 GND

STA. 830+78 NB, 10' LT
LP-2001 LC-2
III-LED B-12-5-1,3-1

STA. 829+01 NB, 50' RT
LP-2002 LC-2
III-LED B-12-5-2,4-1

STA. 830+11 NB, 41' RT
LPB-13

STA. 830+24 NB, 44' RT
LC-2

STA. 830+33 NB, 36' RT
LPB-12

CIRCUITS 1,3 & 2,4
4~#10, #10 GND

CIRCUITS 2,4
2~#10, #10 GND

STA. 832+86 NB, 22' RT
LP-2005 LC-2
III-LED B-12-5-2,4-2

STA. 833+04 NB, 21' RT
LPB-17

CIRCUITS 2,4
2~#10, #10 GND

CIRCUITS 2,4
2~#10, #10 GND

STA. 833+75 NB, 62' RT
LP-2007 LC-2
III-LED B-12-5-1,3-2

CIRCUITS 1,3
2~#10, 2~#10 GND

STA. 831+10 NB, 83' RT
LP-2008 LC-2
III-LED B-12-5-2,4-1

CIRCUITS 1,3 & 2,4
4~#10, #10 GND

STA. 833+02 NB, 84' RT
LPB-18

CIRCUITS 1,3 & 2,4
4~#10, #10 GND

CIRCUITS 1,3 & 2,4
4~#10, #10 GND

STA. 831+19 NB, 143' RT
LPB-11

CIRCUITS 1,3 & 2,4
4~#10, #10 GND

STA. 832+09 NB, 138' RT
LPB-19

CIRCUITS 1,3
4~#10, 2~#10 GND

STA. 831+99 NB, 163' RT
LP-2009 LC-2
III-LED B-12-5-1,3-1

GENERAL NOTES

1. ALL LUMINARIES SHALL BE WIRED AT 240 VOLT AND BE LED.
2. CONDUIT SHALL BE PLACED 2 FEET BELOW GRADE AND LOCATED PARALLEL TO CURB AND/OR ROADWAY WHEN POSSIBLE.
3. ALL LIGHTING SHALL HAVE A MINIMUM 2-FOOT SETBACK FROM THE FACE OF THE POLE TO THE FACE OF CURB IN AREAS WITH CURB & GUTTER.
4. ALL LIGHTING SHALL HAVE A MINIMUM 3-FOOT SETBACK FROM THE FACE OF THE POLE TO THE EDGE OF SIDEWALK, UNLESS OTHERWISE SHOWN.

LEGEND

- CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH, UNLESS OTHERWISE NOTED
- ROAD LIGHTING ASSEMBLY 30-FOOT POLE
- DUAL MAST ROAD LIGHTING ASSEMBLY 30-FOOT POLE
- PULL BOXES NON-CONDUCTIVE 24x42-INCH
- EXISTING LIGHT POLE
- ELECTRICAL SERVICE METER BREAKER PEDESTAL
- LIGHTING CONTROL CABINET (CONCRETE CONTROL CABINET BASES TYPE L30)

STA. XX+XX.XX, XX.XX' LT
- STATION AND SET BACK DISTANCE FROM REFERENCE LINE

LP-XXXX LC-1
- CONTROL CABINET DESIGNATION
- LIGHT POLE NUMBER

III-LED B-12-A-1,3-1
- LIGHT UNIT NUMBER IN CIRCUIT
- CIRCUIT NUMBERS
- BASE TYPE
- ARM BRACKET LENGTH IN FEET
- LUMINAIRE TYPE
- DISTRIBUTION TYPE

HIGHWAY LIGHTING
USH 51 & EXCHANGE STREET
TOWN OF DUNN
DANE COUNTY

INST. NO. L13-0883

REGION CONTACT: GRAHAM HEITZ
DESIGNED BY: STRAND ASSOCIATES, INC.
REVISED BY:

PAGE 2 OF 2

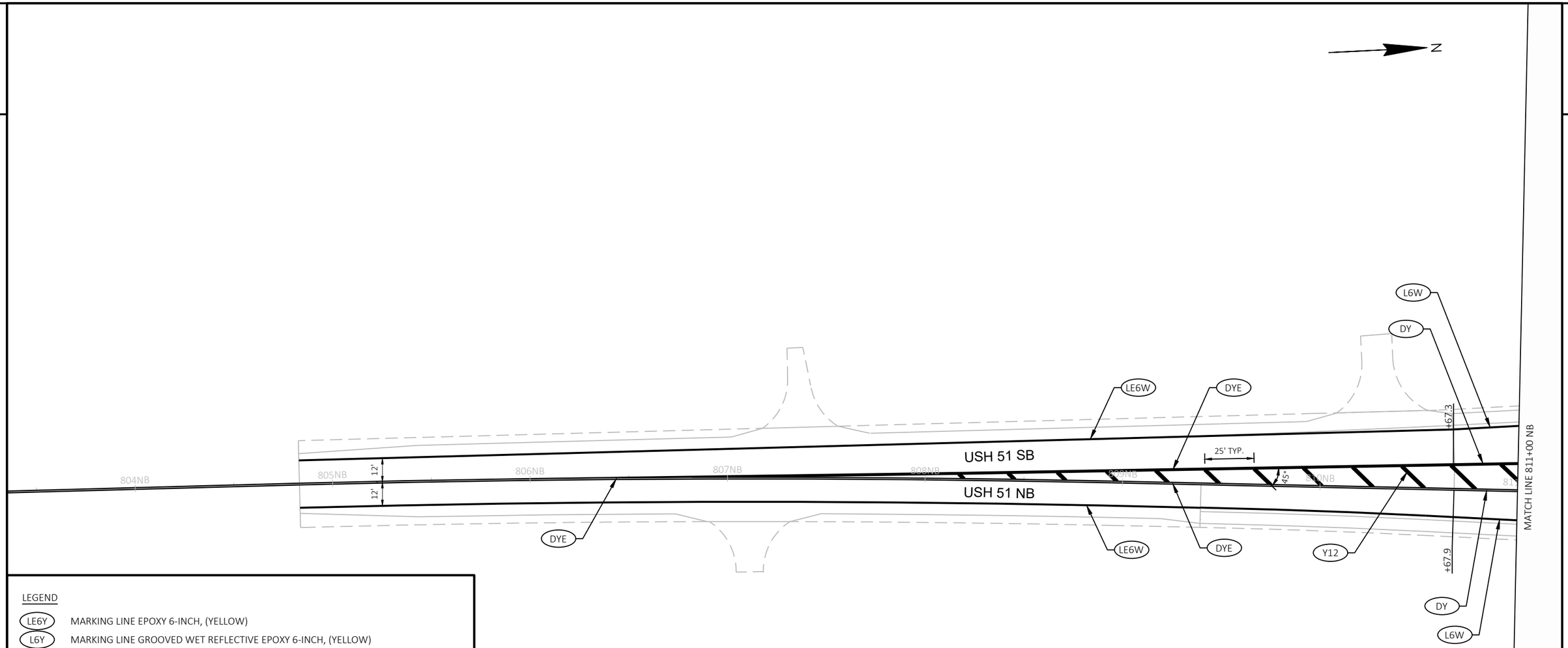
PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	LIGHTING PLAN - WIRING DIAGRAM	SHEET 98	E

FILE NAME : S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\023602-LP.DWG
LAYOUT NAME - 023604-lp

PLOT DATE : 7/25/2025 11:19 AM PLOT BY : KOWALSKI, NICK PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 42

2

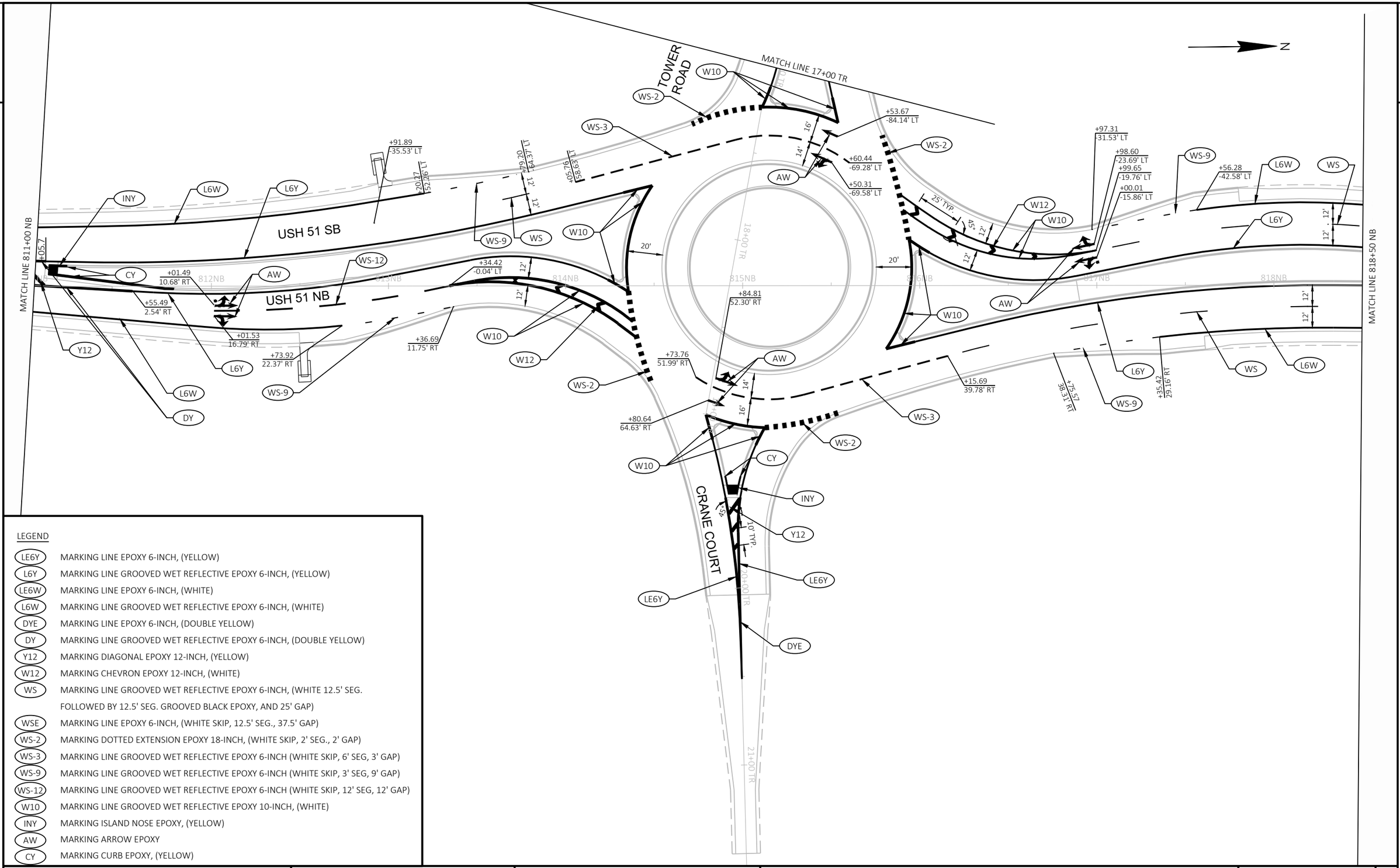


LEGEND

LE6Y	MARKING LINE EPOXY 6-INCH, (YELLOW)
L6Y	MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH, (YELLOW)
LE6W	MARKING LINE EPOXY 6-INCH, (WHITE)
L6W	MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH, (WHITE)
DYE	MARKING LINE EPOXY 6-INCH, (DOUBLE YELLOW)
DY	MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH, (DOUBLE YELLOW)
Y12	MARKING DIAGONAL EPOXY 12-INCH, (YELLOW)
W12	MARKING CHEVRON EPOXY 12-INCH, (WHITE)
WS	MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH, (WHITE 12.5' SEG. FOLLOWED BY 12.5' SEG. GROOVED BLACK EPOXY, AND 25' GAP)
WSE	MARKING LINE EPOXY 6-INCH, (WHITE SKIP, 12.5' SEG., 37.5' GAP)
WS-2	MARKING DOTTED EXTENSION EPOXY 18-INCH, (WHITE SKIP, 2' SEG., 2' GAP)
WS-3	MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH (WHITE SKIP, 6' SEG, 3' GAP)
WS-9	MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH (WHITE SKIP, 3' SEG, 9' GAP)
WS-12	MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH (WHITE SKIP, 12' SEG, 12' GAP)
W10	MARKING LINE GROOVED WET REFLECTIVE EPOXY 10-INCH, (WHITE)
INY	MARKING ISLAND NOSE EPOXY, (YELLOW)
AW	MARKING ARROW EPOXY
CY	MARKING CURB EPOXY, (YELLOW)

PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	PAVEMENT MARKING PLAN	SHEET 99	E

2



LEGEND

LE6Y	MARKING LINE EPOXY 6-INCH, (YELLOW)
L6Y	MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH, (YELLOW)
LE6W	MARKING LINE EPOXY 6-INCH, (WHITE)
L6W	MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH, (WHITE)
DYE	MARKING LINE EPOXY 6-INCH, (DOUBLE YELLOW)
DY	MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH, (DOUBLE YELLOW)
Y12	MARKING DIAGONAL EPOXY 12-INCH, (YELLOW)
W12	MARKING CHEVRON EPOXY 12-INCH, (WHITE)
WS	MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH, (WHITE 12.5' SEG. FOLLOWED BY 12.5' SEG. GROOVED BLACK EPOXY, AND 25' GAP)
WSE	MARKING LINE EPOXY 6-INCH, (WHITE SKIP, 12.5' SEG., 37.5' GAP)
WS-2	MARKING DOTTED EXTENSION EPOXY 18-INCH, (WHITE SKIP, 2' SEG., 2' GAP)
WS-3	MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH (WHITE SKIP, 6' SEG, 3' GAP)
WS-9	MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH (WHITE SKIP, 3' SEG, 9' GAP)
WS-12	MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH (WHITE SKIP, 12' SEG, 12' GAP)
W10	MARKING LINE GROOVED WET REFLECTIVE EPOXY 10-INCH, (WHITE)
INY	MARKING ISLAND NOSE EPOXY, (YELLOW)
AW	MARKING ARROW EPOXY
CY	MARKING CURB EPOXY, (YELLOW)

PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	PAVEMENT MARKING PLAN	SHEET 100	E

FILE NAME : S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - 024502-pm
PLOT DATE : 7/28/2025 3:47 PM
PLOT BY : KOWALSKI, NICK
PLOT NAME :
PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 42

2

N

AW

+64.76
-36.35' LT

+64.12
-28.51' LT

L6W

L6Y

WS

USH 51 SB

12'

12'

819NB 820NB 821NB 822NB 823NB 824NB 825NB

MATCH LINE 818+50 NB

MATCH LINE 826+00 NB

12'

12'

USH 51 NB

L6Y

WS

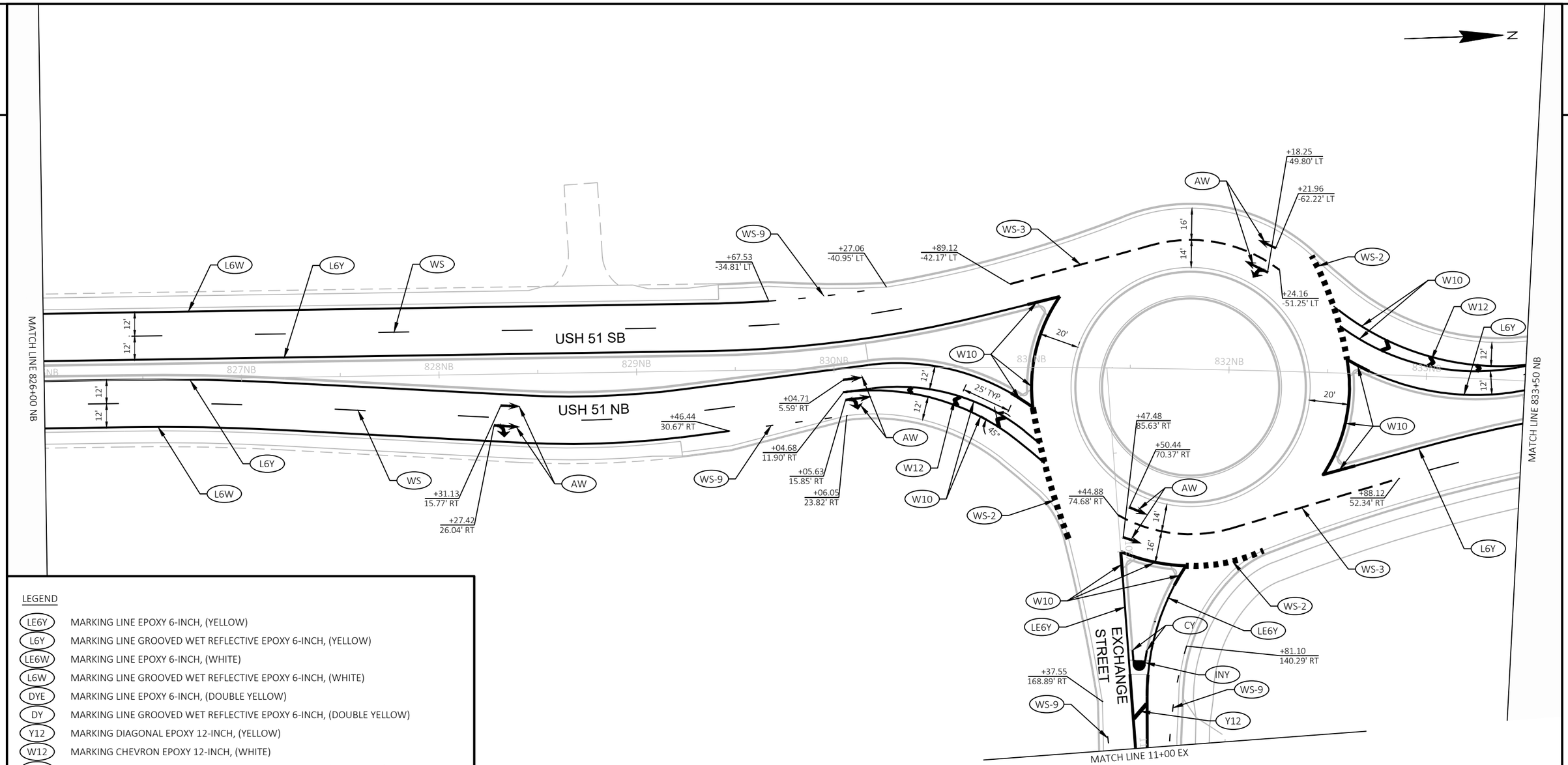
L6W

LEGEND

LE6Y	MARKING LINE EPOXY 6-INCH, (YELLOW)
L6Y	MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH, (YELLOW)
LE6W	MARKING LINE EPOXY 6-INCH, (WHITE)
L6W	MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH, (WHITE)
DYE	MARKING LINE EPOXY 6-INCH, (DOUBLE YELLOW)
DY	MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH, (DOUBLE YELLOW)
Y12	MARKING DIAGONAL EPOXY 12-INCH, (YELLOW)
W12	MARKING CHEVRON EPOXY 12-INCH, (WHITE)
WS	MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH, (WHITE 12.5' SEG. FOLLOWED BY 12.5' SEG. GROOVED BLACK EPOXY, AND 25' GAP)
WSE	MARKING LINE EPOXY 6-INCH, (WHITE SKIP, 12.5' SEG., 37.5' GAP)
WS-2	MARKING DOTTED EXTENSION EPOXY 18-INCH, (WHITE SKIP, 2' SEG., 2' GAP)
WS-3	MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH (WHITE SKIP, 6' SEG, 3' GAP)
WS-9	MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH (WHITE SKIP, 3' SEG, 9' GAP)
WS-12	MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH (WHITE SKIP, 12' SEG, 12' GAP)
W10	MARKING LINE GROOVED WET REFLECTIVE EPOXY 10-INCH, (WHITE)
INY	MARKING ISLAND NOSE EPOXY, (YELLOW)
AW	MARKING ARROW EPOXY
CY	MARKING CURB EPOXY, (YELLOW)

PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	PAVEMENT MARKING PLAN	SHEET 101	E

FILE NAME : S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - 024503-pm
PLOT DATE : 7/28/2025 3:47 PM PLOT BY : KOWALSKI, NICK PLOT NAME : PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 42



LEGEND

LE6Y	MARKING LINE EPOXY 6-INCH, (YELLOW)
L6Y	MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH, (YELLOW)
LE6W	MARKING LINE EPOXY 6-INCH, (WHITE)
L6W	MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH, (WHITE)
DYE	MARKING LINE EPOXY 6-INCH, (DOUBLE YELLOW)
DY	MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH, (DOUBLE YELLOW)
Y12	MARKING DIAGONAL EPOXY 12-INCH, (YELLOW)
W12	MARKING CHEVRON EPOXY 12-INCH, (WHITE)
WS	MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH, (WHITE 12.5' SEG. FOLLOWED BY 12.5' SEG. GROOVED BLACK EPOXY, AND 25' GAP)
WSE	MARKING LINE EPOXY 6-INCH, (WHITE SKIP, 12.5' SEG., 37.5' GAP)
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WS-3	MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH (WHITE SKIP, 6' SEG, 3' GAP)
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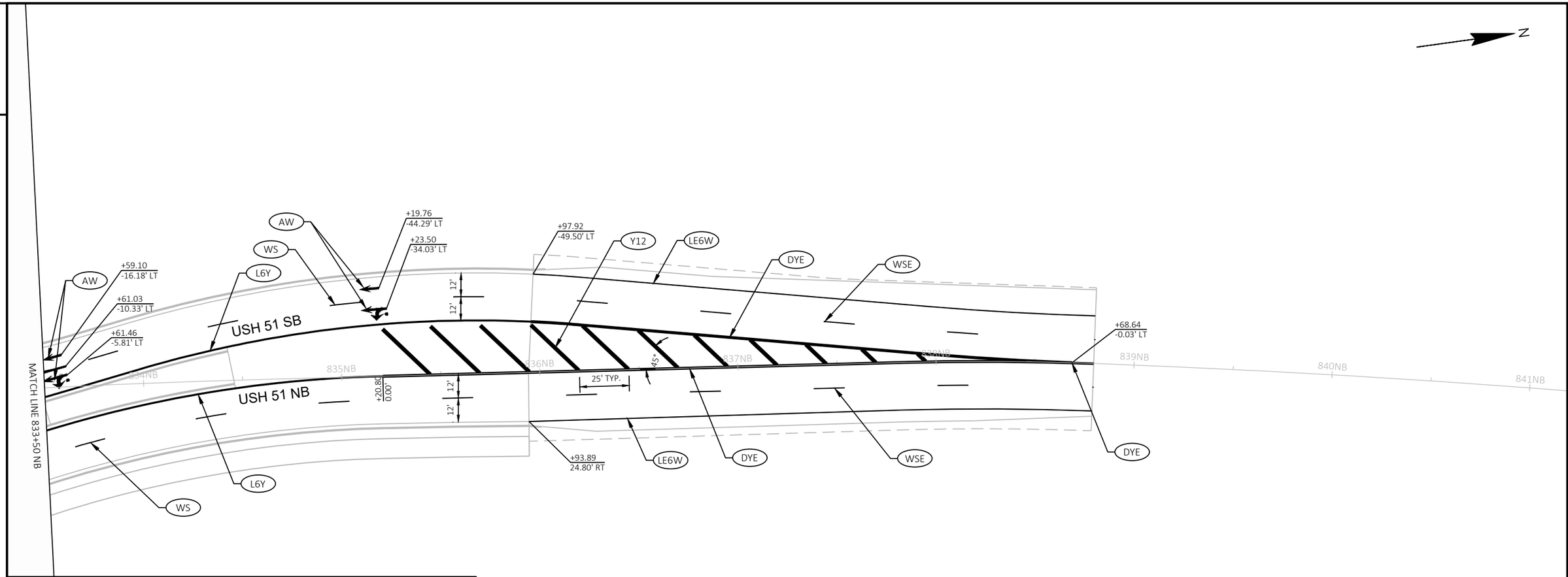
WS-12	MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH (WHITE SKIP, 12' SEG, 12' GAP)
W10	MARKING LINE GROOVED WET REFLECTIVE EPOXY 10-INCH, (WHITE)
INY	MARKING ISLAND NOSE EPOXY, (YELLOW)
AW	MARKING ARROW EPOXY
CY	MARKING CURB EPOXY, (YELLOW)

PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	PAVEMENT MARKING PLAN	SHEET 102	E

2



LEGEND

LE6Y	MARKING LINE EPOXY 6-INCH, (YELLOW)
L6Y	MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH, (YELLOW)
LE6W	MARKING LINE EPOXY 6-INCH, (WHITE)
L6W	MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH, (WHITE)
DYE	MARKING LINE EPOXY 6-INCH, (DOUBLE YELLOW)
DY	MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH, (DOUBLE YELLOW)
Y12	MARKING DIAGONAL EPOXY 12-INCH, (YELLOW)
W12	MARKING CHEVRON EPOXY 12-INCH, (WHITE)
WS	MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH, (WHITE 12.5' SEG. FOLLOWED BY 12.5' SEG. GROOVED BLACK EPOXY, AND 25' GAP)
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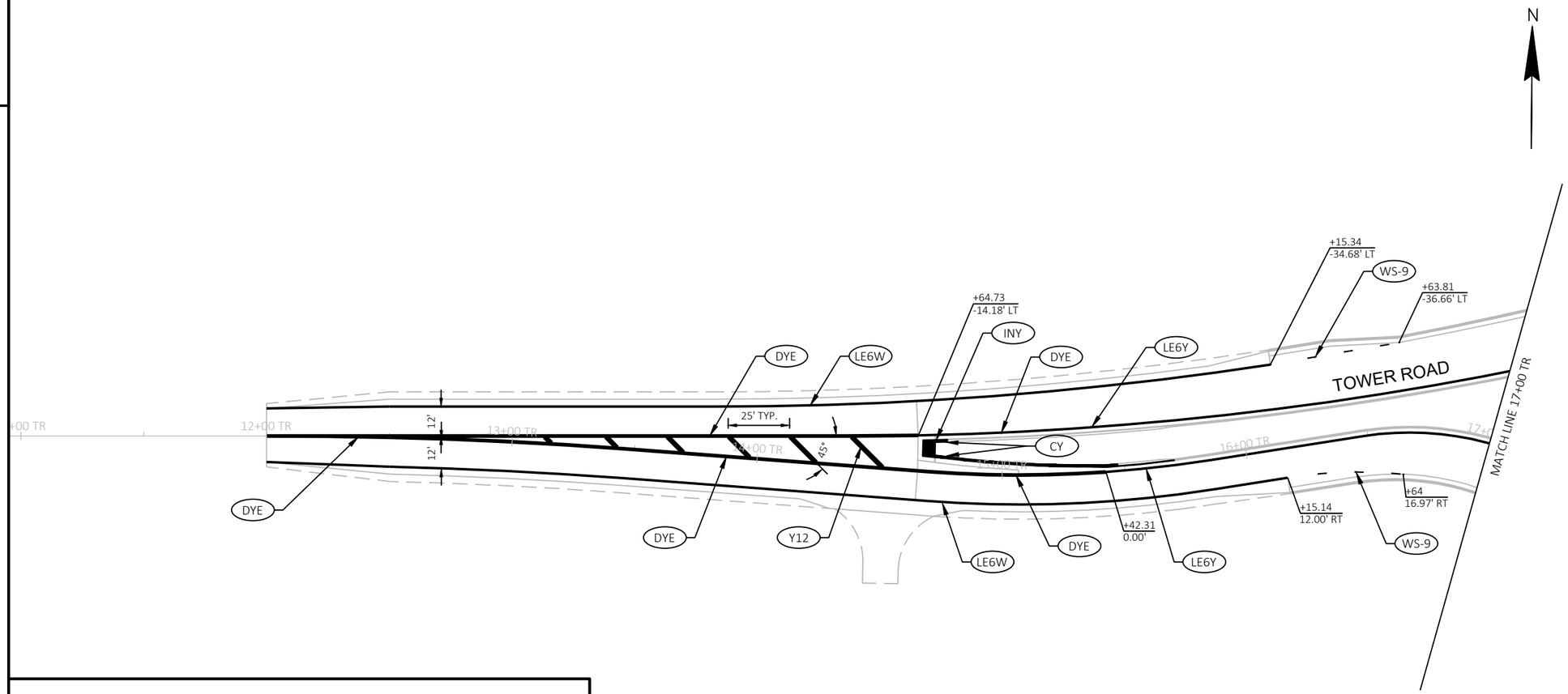
WS-12	MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH (WHITE SKIP, 12' SEG, 12' GAP)
W10	MARKING LINE GROOVED WET REFLECTIVE EPOXY 10-INCH, (WHITE)
INY	MARKING ISLAND NOSE EPOXY, (YELLOW)
AW	MARKING ARROW EPOXY
CY	MARKING CURB EPOXY, (YELLOW)

PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	PAVEMENT MARKING PLAN	SHEET 103	E

2



LEGEND

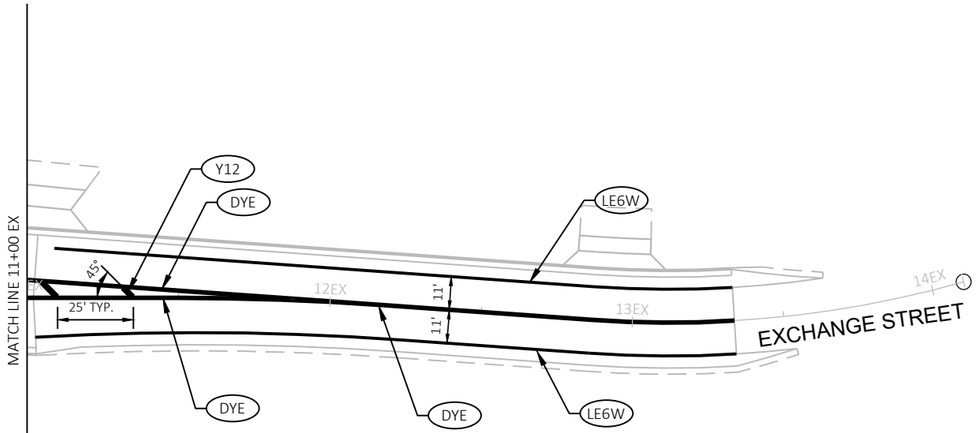
LE6Y	MARKING LINE EPOXY 6-INCH, (YELLOW)
L6Y	MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH, (YELLOW)
LE6W	MARKING LINE EPOXY 6-INCH, (WHITE)
L6W	MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH, (WHITE)
DYE	MARKING LINE EPOXY 6-INCH, (DOUBLE YELLOW)
DY	MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH, (DOUBLE YELLOW)
Y12	MARKING DIAGONAL EPOXY 12-INCH, (YELLOW)
W12	MARKING CHEVRON EPOXY 12-INCH, (WHITE)
WS	MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH, (WHITE 12.5' SEG. FOLLOWED BY 12.5' SEG. GROOVED BLACK EPOXY, AND 25' GAP)
WSE	MARKING LINE EPOXY 6-INCH, (WHITE SKIP, 12.5' SEG., 37.5' GAP)
WS-2	MARKING DOTTED EXTENSION EPOXY 18-INCH, (WHITE SKIP, 2' SEG., 2' GAP)
WS-3	MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH (WHITE SKIP, 6' SEG, 3' GAP)
WS-9	MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH (WHITE SKIP, 3' SEG, 9' GAP)
WS-12	MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH (WHITE SKIP, 12' SEG, 12' GAP)
W10	MARKING LINE GROOVED WET REFLECTIVE EPOXY 10-INCH, (WHITE)
INY	MARKING ISLAND NOSE EPOXY, (YELLOW)
AW	MARKING ARROW EPOXY
CY	MARKING CURB EPOXY, (YELLOW)

PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	PAVEMENT MARKING PLAN	SHEET 104	E

FILE NAME : S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - 024506-pm
PLOT DATE : 7/28/2025 3:47 PM
PLOT BY : KOWALSKI, NICK
PLOT NAME :
PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 42

2

N



LEGEND

LE6Y	MARKING LINE EPOXY 6-INCH, (YELLOW)
L6Y	MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH, (YELLOW)
LE6W	MARKING LINE EPOXY 6-INCH, (WHITE)
L6W	MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH, (WHITE)
DYE	MARKING LINE EPOXY 6-INCH, (DOUBLE YELLOW)
DY	MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH, (DOUBLE YELLOW)
Y12	MARKING DIAGONAL EPOXY 12-INCH, (YELLOW)
W12	MARKING CHEVRON EPOXY 12-INCH, (WHITE)
WS	MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH, (WHITE 12.5' SEG. FOLLOWED BY 12.5' SEG. GROOVED BLACK EPOXY, AND 25' GAP)
WSE	MARKING LINE EPOXY 6-INCH, (WHITE SKIP, 12.5' SEG., 37.5' GAP)
WS-2	MARKING DOTTED EXTENSION EPOXY 18-INCH, (WHITE SKIP, 2' SEG., 2' GAP)
WS-3	MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH (WHITE SKIP, 6' SEG, 3' GAP)
WS-9	MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH (WHITE SKIP, 3' SEG, 9' GAP)
WS-12	MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH (WHITE SKIP, 12' SEG, 12' GAP)
W10	MARKING LINE GROOVED WET REFLECTIVE EPOXY 10-INCH, (WHITE)
INY	MARKING ISLAND NOSE EPOXY, (YELLOW)
AW	MARKING ARROW EPOXY
CY	MARKING CURB EPOXY, (YELLOW)

PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	PAVEMENT MARKING PLAN	SHEET 105	E

FILE NAME : S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - 024507-pm
PLOT DATE : 7/28/2025 3:47 PM
PLOT BY : KOWALSKI, NICK
PLOT NAME :
PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 42

2

N

ROAD WORK AHEAD
W20-1A

500'

END ROAD WORK
G20-2A
48"X24"

ROAD WORK 500 FT
W20-1D

TOWN OF DUNN

MAHONEY ROAD

TOWER ROAD

BEGIN CONSTRUCTION
STA 12+00 TR

15TR

BEGIN PROJECT
STA 804+83.19 NB
Y=453,813.37
X=841,754.77

END ROAD WORK
G20-2A
48"X24"

ROAD WORK 1000 FT
W20-1C

1000'

805 NB
810 NB
815 NB
820 NB
USH 51
825 NB
830 NB
835 NB
840 NB

MB
**

20TR

END CONSTRUCTION
STA 21+50 TR

CRANE COURT

ROAD WORK 500 FT
W20-1D

SPEED LIMIT 45
W03-5

STAGE 1/2

OR

SPEED LIMIT 40
W03-5

STAGE 3/4

SPEED LIMIT 45
R2-1
24"X30"

STAGE 1/2

OR

SPEED LIMIT 40
R2-1
24"X30"

STAGE 3/4

ROAD WORK AHEAD
W20-1A

INSTALL ADVANCE WARNING SIGNAGE ON NB USH 51 IN ACCORDANCE WITH S.D.D. "TRAFFIC CONTROL, ADVANCED WARNING SIGNS 45 MPH OR GREATER, TWO WAY UNDIVIDED ROAD OPEN TO TRAFFIC".

ROAD WORK AHEAD
W20-1A

BIBLE CAMP ROAD

END PROJECT
STA 838+79.59 NB

MB
**

ROAD WORK 250 FT
W20-1H

ROAD WORK 500 FT
W20-1D

10EX

END CONSTRUCTION
STA 13+64.57 EX

EXCHANGE STREET

ROAD WORK 500 FT
W20-1D

END ROAD WORK
G20-2A
48"X24"

END ROAD WORK
G20-2A
48"X24"

500'

ROAD WORK AHEAD
W20-1A

ROAD WORK AHEAD
W20-1A

INSTALL ADVANCE WARNING SIGNAGE ON SB USH 51 IN ACCORDANCE WITH SDD "TRAFFIC CONTROL, ADVANCED WARNING SIGNS 40 MPH OR LESS, TWO WAY UNDIVIDED ROAD OPEN TO TRAFFIC".

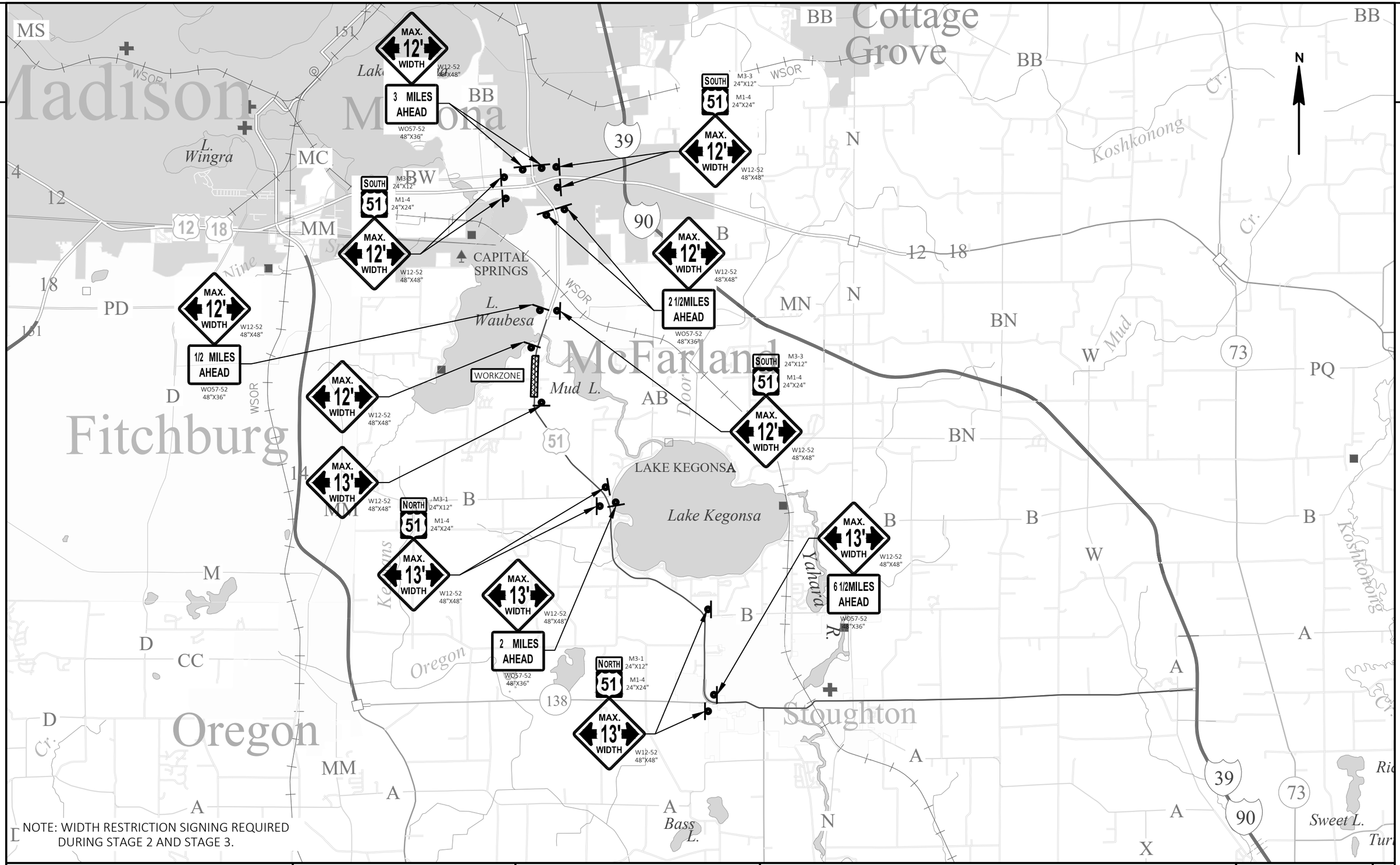
**INSTALL PCMS SEVEN CALENDAR DAYS IN ADVANCE OF CONSTRUCTION.

MESSAGE:
ROADWORK
STARTING
XX/XX/XX

NOTE: ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED.

PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	TRAFFIC CONTROL - ADVANCE WARNING	SHEET 106	E

FILE NAME : S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\025101-TC.DWG
LAYOUT NAME - 025101-tc
PLOT DATE : 7/28/2025 4:59 PM
PLOT BY : KOWALSKI, NICK
PLOT NAME :
PLOT SCALE : 1 IN:500 FT
WISDOT/CADDS SHEET 42

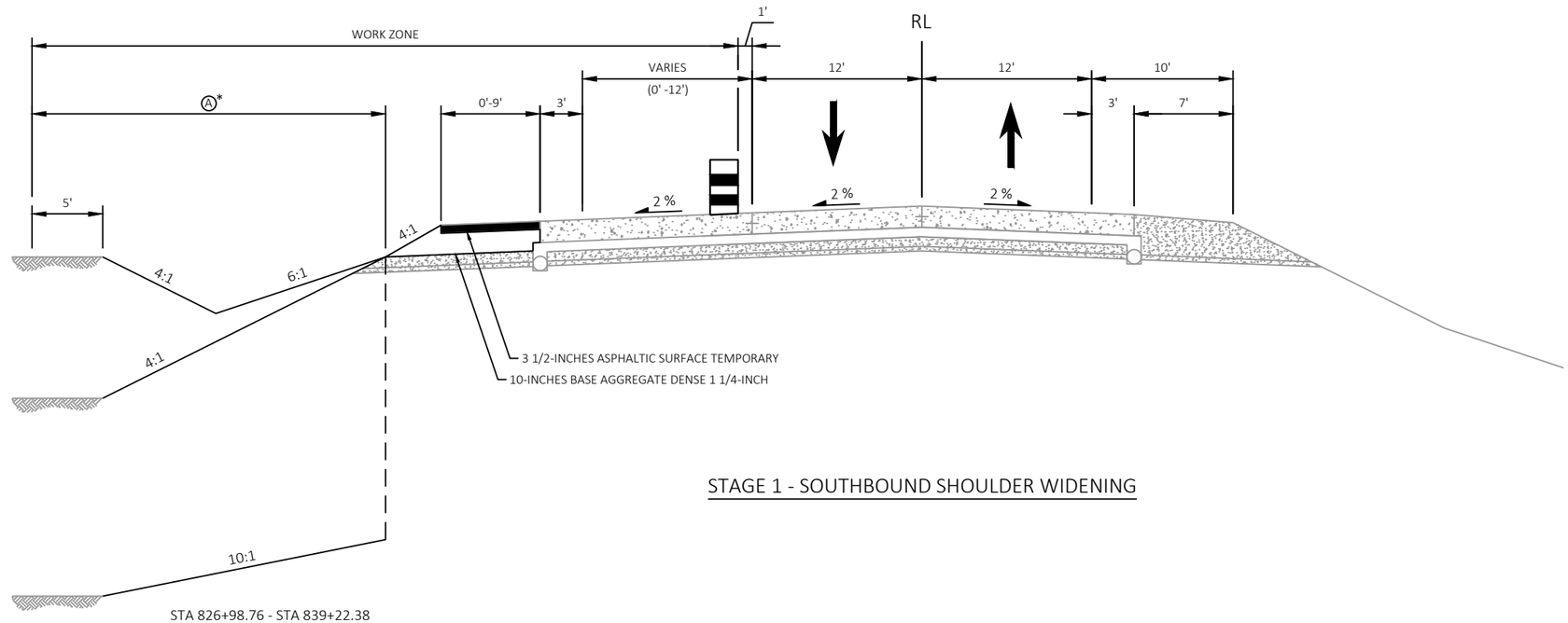


PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	TRAFFIC CONTROL - WIDTH RESTRICTION	SHEET 107	E

FILE NAME : S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\027001-DT-OV.DWG
LAYOUT NAME - WIDTH RESTRICTION OVERVIEW

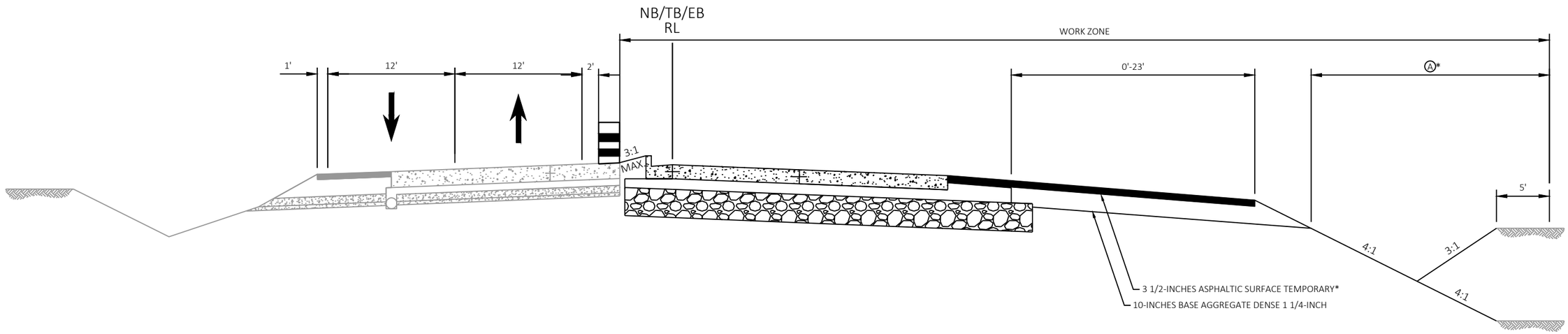
PLOT DATE : 7/28/2025 4:59 PM PLOT BY : KOWALSKI, NICK PLOT NAME : PLOT SCALE : 1 IN: 1.5 MI

WISDOT/CADDS SHEET 42



STA 826+98.76 - STA 839+22.38

STAGE 1 - SOUTHBOUND SHOULDER WIDENING



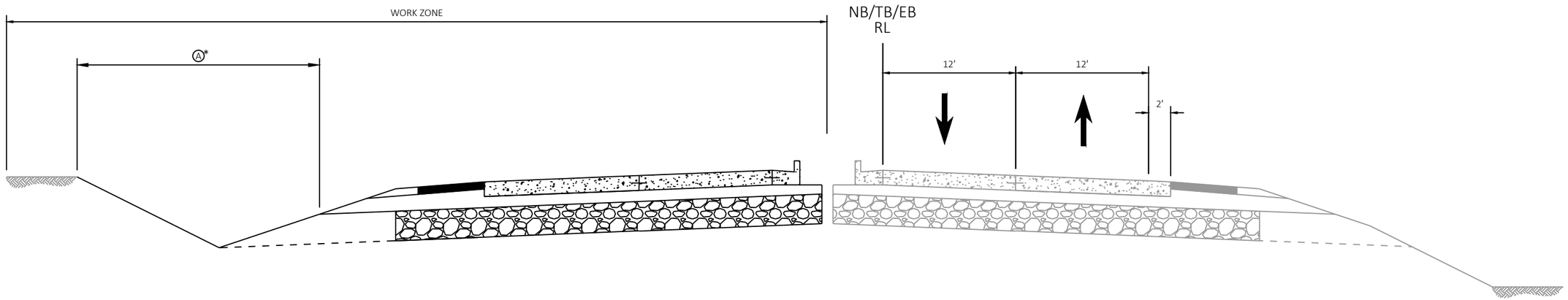
STAGE 2 - NORTHBOUND

* 4-INCHES HMA PAVEMENT 4 MT 58-28 S
STA 802+94 - STA 812+50, RT

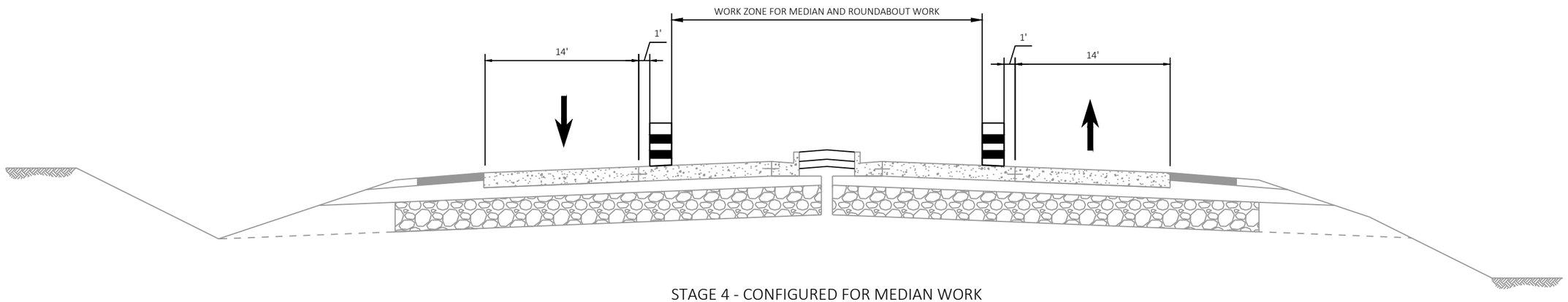
PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	TRAFFIC CONTROL TYPICAL SECTIONS	SHEET 108	E

FILE NAME : S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\025100-TC.DWG
LAYOUT NAME - 025100-tc
PLOT DATE : 10/22/2025 11:08 AM PLOT BY : HABERKORN, DEVEN PLOT NAME : PLOT SCALE : 1 IN:10 FT

2



STAGE 3 - SOUTHBOUND

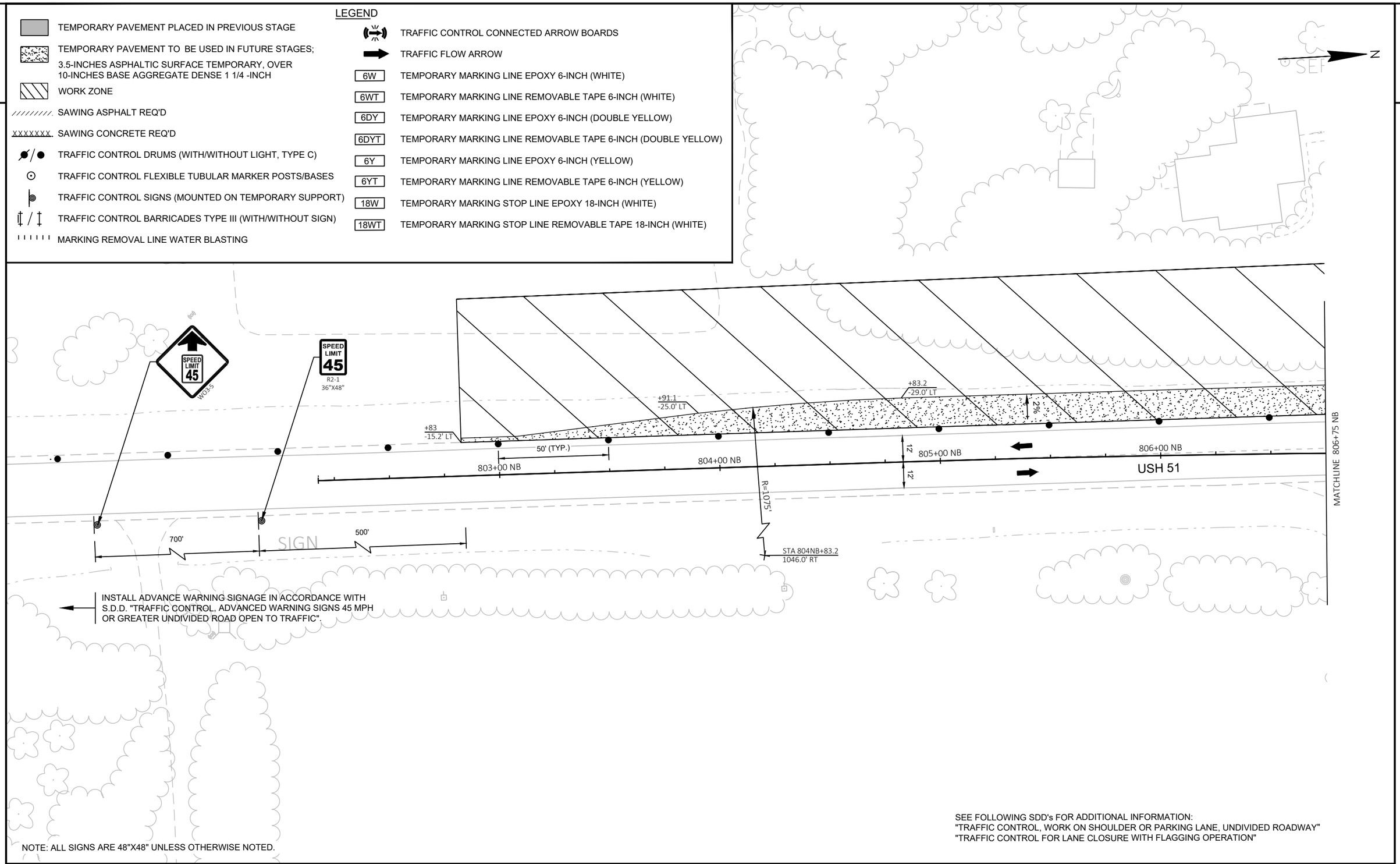


STAGE 4 - CONFIGURED FOR MEDIAN WORK

PROJECT NO: 5845-16-84	HWY: ----	COUNTY: DANE	TRAFFIC CONTROL TYPICAL SECTIONS	SHEET 109	E

LEGEND

- TEMPORARY PAVEMENT PLACED IN PREVIOUS STAGE
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES; 3.5-INCHES ASPHALTIC SURFACE TEMPORARY, OVER 10-INCHES BASE AGGREGATE DENSE 1 1/4 -INCH
- WORK ZONE
- SAWING ASPHALT REQ'D
- SAWING CONCRETE REQ'D
- TRAFFIC CONTROL DRUMS (WITH/WITHOUT LIGHT, TYPE C)
- TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER POSTS/BASES
- TRAFFIC CONTROL SIGNS (MOUNTED ON TEMPORARY SUPPORT)
- TRAFFIC CONTROL BARRICADES TYPE III (WITH/WITHOUT SIGN)
- MARKING REMOVAL LINE WATER BLASTING
- TRAFFIC CONTROL CONNECTED ARROW BOARDS
- TRAFFIC FLOW ARROW
- 6W — TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE)
- 6WT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
- 6DY — TEMPORARY MARKING LINE EPOXY 6-INCH (DOUBLE YELLOW)
- 6DYT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (DOUBLE YELLOW)
- 6Y — TEMPORARY MARKING LINE EPOXY 6-INCH (YELLOW)
- 6YT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
- 18W — TEMPORARY MARKING STOP LINE EPOXY 18-INCH (WHITE)
- 18WT — TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH (WHITE)



NOTE: ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED.

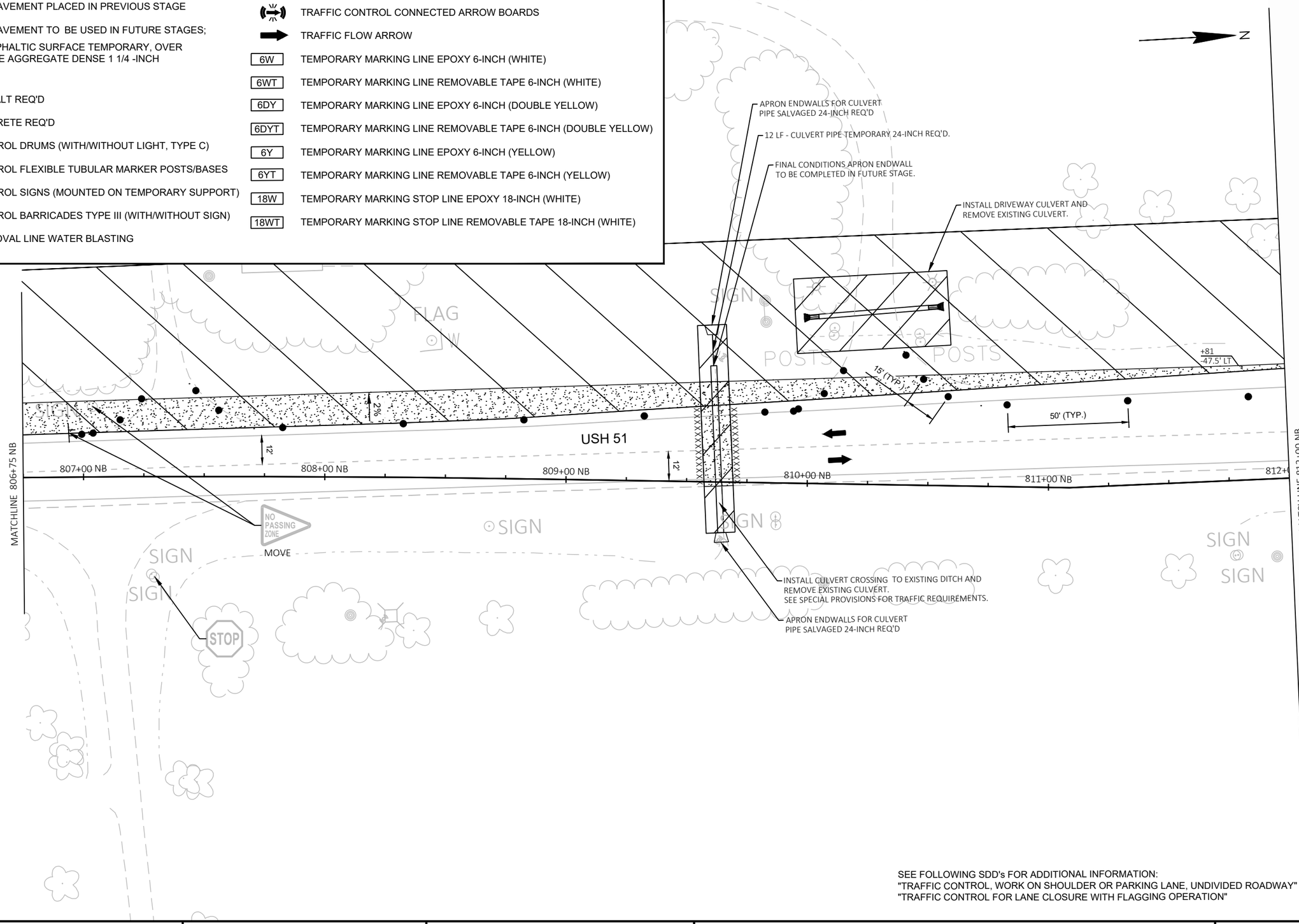
SEE FOLLOWING SDD's FOR ADDITIONAL INFORMATION:
"TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY"
"TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION"

PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	TRAFFIC CONTROL - STAGE 1	SHEET 110	E

LEGEND

- TEMPORARY PAVEMENT PLACED IN PREVIOUS STAGE
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES; 3.5-INCHES ASPHALTIC SURFACE TEMPORARY, OVER 10-INCHES BASE AGGREGATE DENSE 1 1/4 -INCH
- WORK ZONE
- SAWING ASPHALT REQ'D
- SAWING CONCRETE REQ'D
- TRAFFIC CONTROL DRUMS (WITH/WITHOUT LIGHT, TYPE C)
- TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER POSTS/BASES
- TRAFFIC CONTROL SIGNS (MOUNTED ON TEMPORARY SUPPORT)
- TRAFFIC CONTROL BARRICADES TYPE III (WITH/WITHOUT SIGN)
- MARKING REMOVAL LINE WATER BLASTING
- TRAFFIC CONTROL CONNECTED ARROW BOARDS
- TRAFFIC FLOW ARROW
- 6W TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE)
- 6WT TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
- 6DY TEMPORARY MARKING LINE EPOXY 6-INCH (DOUBLE YELLOW)
- 6DYT TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (DOUBLE YELLOW)
- 6Y TEMPORARY MARKING LINE EPOXY 6-INCH (YELLOW)
- 6YT TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
- 18W TEMPORARY MARKING STOP LINE EPOXY 18-INCH (WHITE)
- 18WT TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH (WHITE)

NOTE: ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED.



SEE FOLLOWING SDD's FOR ADDITIONAL INFORMATION:
"TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY"
"TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION"

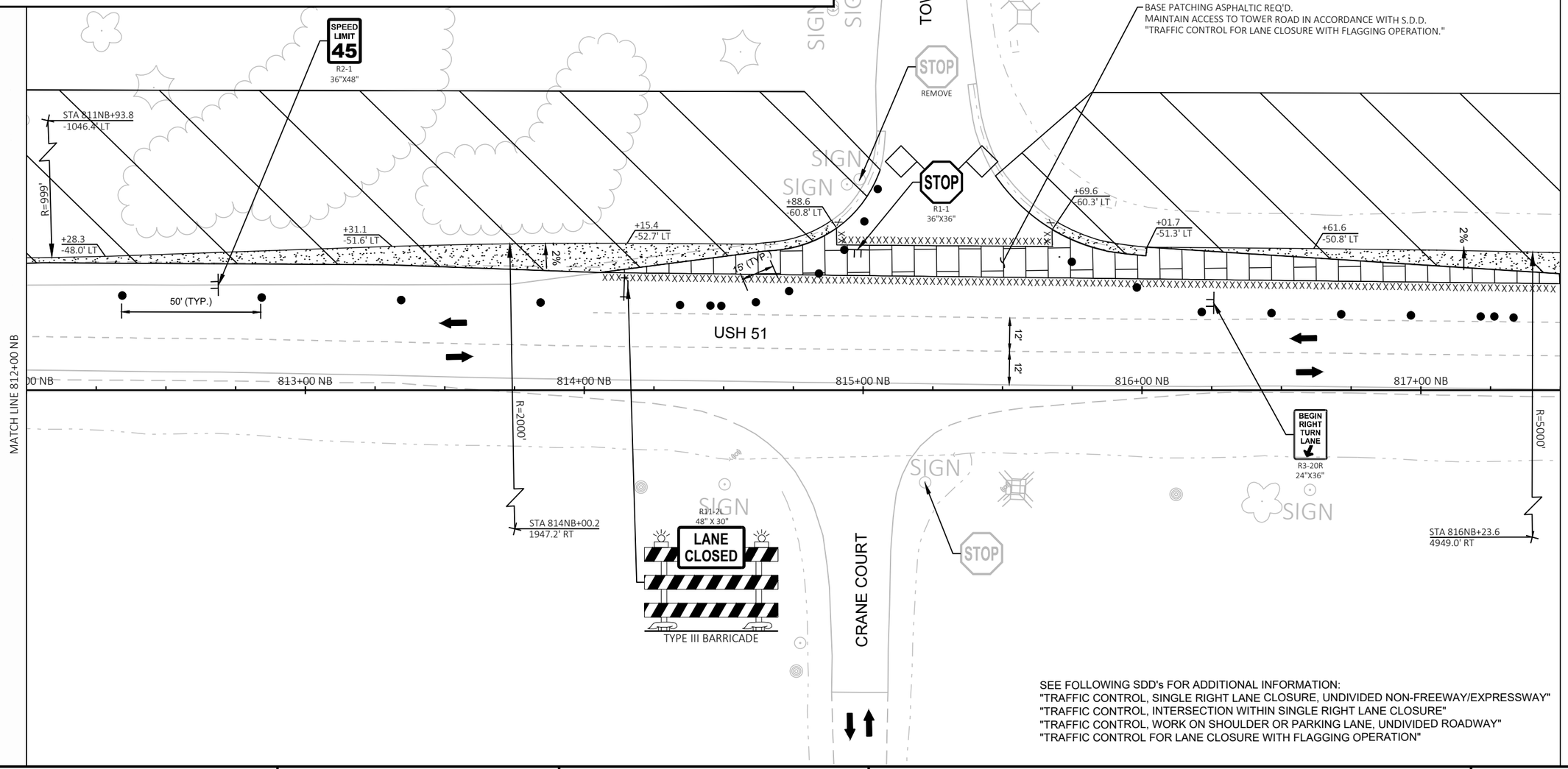
PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	TRAFFIC CONTROL - STAGE 1	SHEET 111	E

2

LEGEND

- TEMPORARY PAVEMENT PLACED IN PREVIOUS STAGE
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES; 3.5-INCHES ASPHALTIC SURFACE TEMPORARY, OVER 10-INCHES BASE AGGREGATE DENSE 1 1/4 -INCH
- WORK ZONE
- SAWING ASPHALT REQ'D
- SAWING CONCRETE REQ'D
- TRAFFIC CONTROL DRUMS (WITH/WITHOUT LIGHT, TYPE C)
- TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER POSTS/BASES
- TRAFFIC CONTROL SIGNS (MOUNTED ON TEMPORARY SUPPORT)
- TRAFFIC CONTROL BARRICADES TYPE III (WITH/WITHOUT SIGN)
- MARKING REMOVAL LINE WATER BLASTING
- TRAFFIC CONTROL CONNECTED ARROW BOARDS
- TRAFFIC FLOW ARROW
- 6W — TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE)
- 6WT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
- 6DY — TEMPORARY MARKING LINE EPOXY 6-INCH (DOUBLE YELLOW)
- 6DYT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (DOUBLE YELLOW)
- 6Y — TEMPORARY MARKING LINE EPOXY 6-INCH (YELLOW)
- 6YT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
- 18W — TEMPORARY MARKING STOP LINE EPOXY 18-INCH (WHITE)
- 18WT — TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH (WHITE)

NOTE: ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED.



SEE FOLLOWING SDD's FOR ADDITIONAL INFORMATION:
"TRAFFIC CONTROL, SINGLE RIGHT LANE CLOSURE, UNDIVIDED NON-FREEWAY/EXPRESSWAY"
"TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE RIGHT LANE CLOSURE"
"TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY"
"TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION"

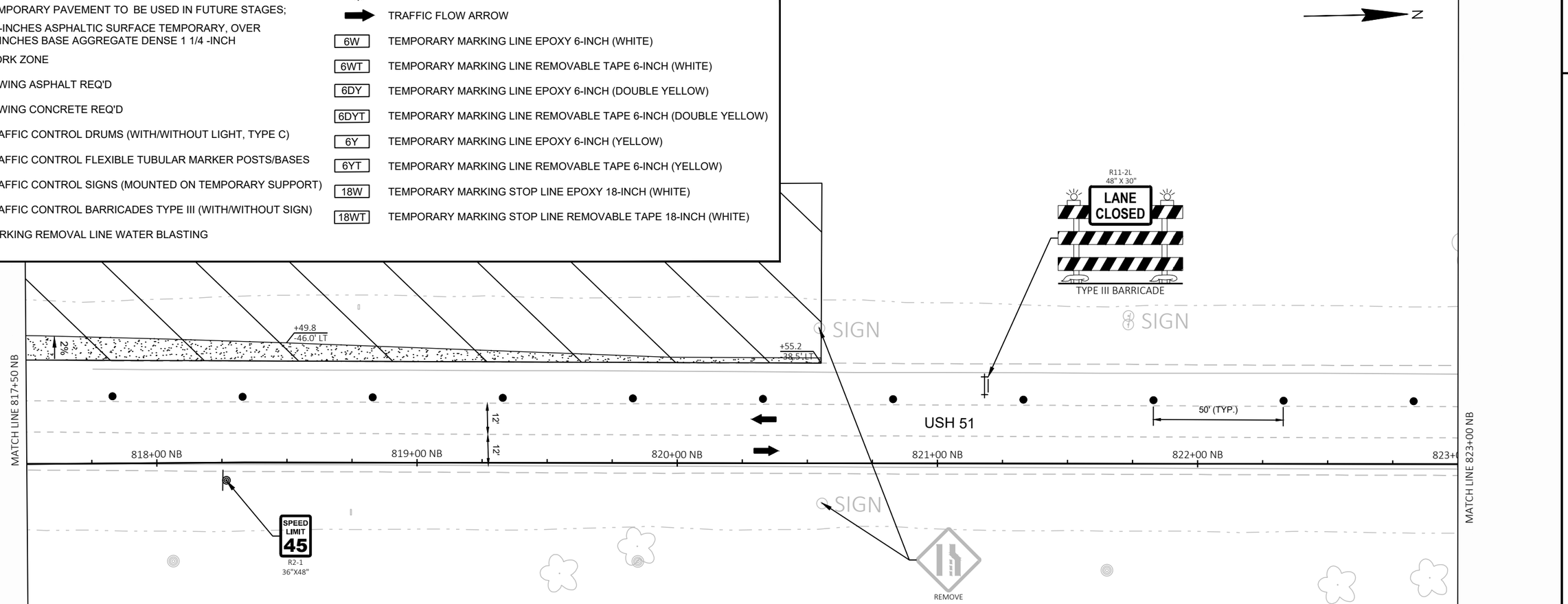
PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	TRAFFIC CONTROL - STAGE 1	SHEET 112	E

FILE NAME : S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\026001-S1.DWG
LAYOUT NAME - 026003-s1
PLOT DATE : 10/22/2025 11:12 AM
PLOT BY : HABERKORN, DEVEN
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

LEGEND

- TEMPORARY PAVEMENT PLACED IN PREVIOUS STAGE
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES; 3.5-INCHES ASPHALTIC SURFACE TEMPORARY, OVER 10-INCHES BASE AGGREGATE DENSE 1 1/4 -INCH
- WORK ZONE
- SAWING ASPHALT REQ'D
- SAWING CONCRETE REQ'D
- TRAFFIC CONTROL DRUMS (WITH/WITHOUT LIGHT, TYPE C)
- TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER POSTS/BASES
- TRAFFIC CONTROL SIGNS (MOUNTED ON TEMPORARY SUPPORT)
- TRAFFIC CONTROL BARRICADES TYPE III (WITH/WITHOUT SIGN)
- MARKING REMOVAL LINE WATER BLASTING
- TRAFFIC CONTROL CONNECTED ARROW BOARDS
- TRAFFIC FLOW ARROW
- 6W TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE)
- 6WT TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
- 6DY TEMPORARY MARKING LINE EPOXY 6-INCH (DOUBLE YELLOW)
- 6DYT TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (DOUBLE YELLOW)
- 6Y TEMPORARY MARKING LINE EPOXY 6-INCH (YELLOW)
- 6YT TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
- 18W TEMPORARY MARKING STOP LINE EPOXY 18-INCH (WHITE)
- 18WT TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH (WHITE)

NOTE: ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED.



SEE FOLLOWING SDD's FOR ADDITIONAL INFORMATION:
"TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE RIGHT LANE CLOSURE"
"TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION"

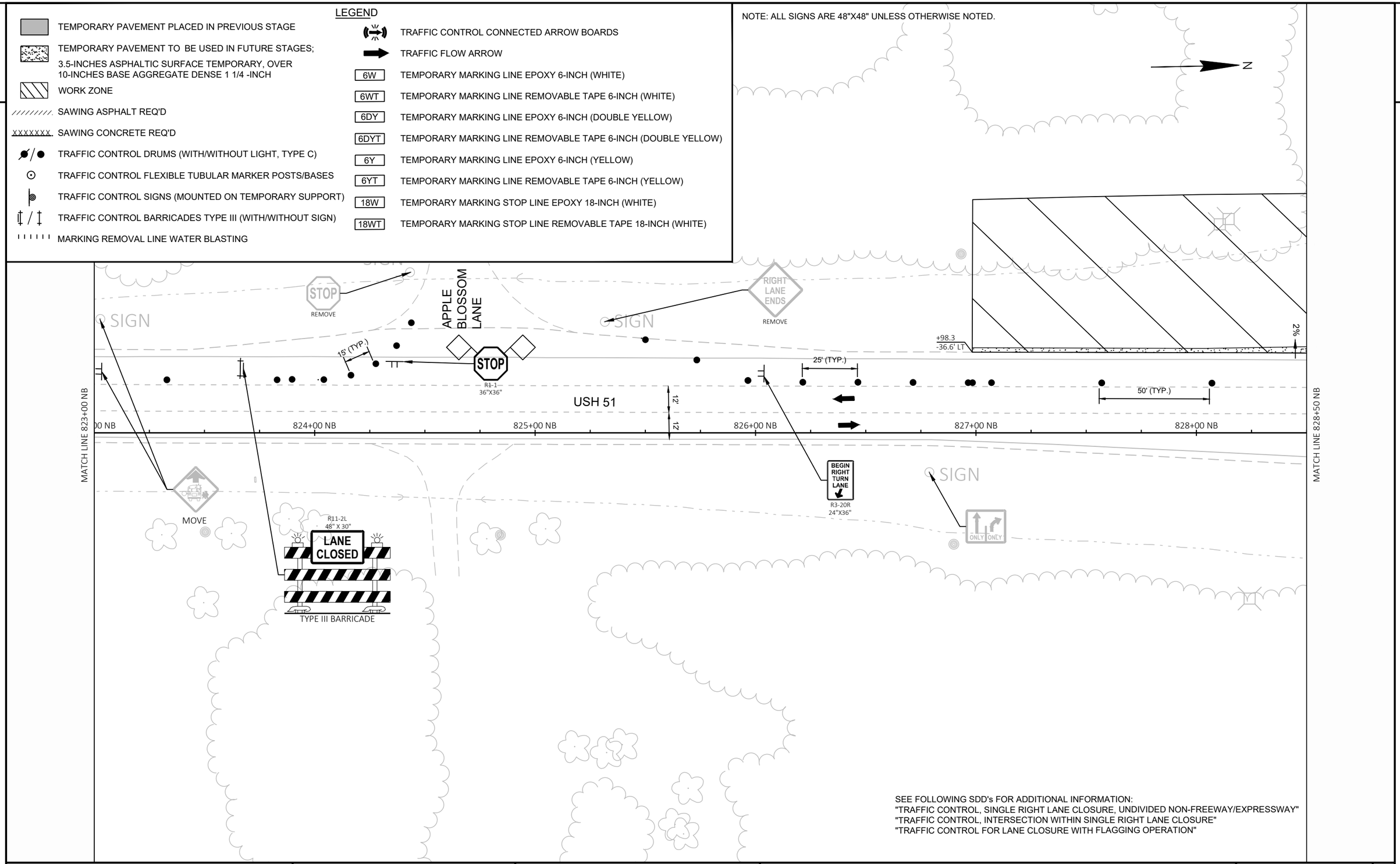
PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	TRAFFIC CONTROL - STAGE 1	SHEET 113	E

2

LEGEND

- TEMPORARY PAVEMENT PLACED IN PREVIOUS STAGE
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES; 3.5-INCHES ASPHALTIC SURFACE TEMPORARY, OVER 10-INCHES BASE AGGREGATE DENSE 1 1/4 -INCH
- WORK ZONE
- SAWING ASPHALT REQ'D
- SAWING CONCRETE REQ'D
- TRAFFIC CONTROL DRUMS (WITH/WITHOUT LIGHT, TYPE C)
- TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER POSTS/BASES
- TRAFFIC CONTROL SIGNS (MOUNTED ON TEMPORARY SUPPORT)
- TRAFFIC CONTROL BARRICADES TYPE III (WITH/WITHOUT SIGN)
- MARKING REMOVAL LINE WATER BLASTING
- TRAFFIC CONTROL CONNECTED ARROW BOARDS
- TRAFFIC FLOW ARROW
- 6W — TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE)
- 6WT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
- 6DY — TEMPORARY MARKING LINE EPOXY 6-INCH (DOUBLE YELLOW)
- 6DYT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (DOUBLE YELLOW)
- 6Y — TEMPORARY MARKING LINE EPOXY 6-INCH (YELLOW)
- 6YT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
- 18W — TEMPORARY MARKING STOP LINE EPOXY 18-INCH (WHITE)
- 18WT — TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH (WHITE)

NOTE: ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED.



SEE FOLLOWING SDD's FOR ADDITIONAL INFORMATION:
"TRAFFIC CONTROL, SINGLE RIGHT LANE CLOSURE, UNDIVIDED NON-FREEWAY/EXPRESSWAY"
"TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE RIGHT LANE CLOSURE"
"TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION"

PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	TRAFFIC CONTROL - STAGE 1	SHEET 114	E

2

LEGEND

- TEMPORARY PAVEMENT PLACED IN PREVIOUS STAGE
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES; 3.5-INCHES ASPHALTIC SURFACE TEMPORARY, OVER 10-INCHES BASE AGGREGATE DENSE 1 1/4 -INCH
- WORK ZONE
- SAWING ASPHALT REQ'D
- SAWING CONCRETE REQ'D
- TRAFFIC CONTROL DRUMS (WITH/WITHOUT LIGHT, TYPE C)
- TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER POSTS/BASES
- TRAFFIC CONTROL SIGNS (MOUNTED ON TEMPORARY SUPPORT)
- TRAFFIC CONTROL BARRICADES TYPE III (WITH/WITHOUT SIGN)
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- TRAFFIC CONTROL CONNECTED ARROW BOARDS
- TRAFFIC FLOW ARROW
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- 6WT TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
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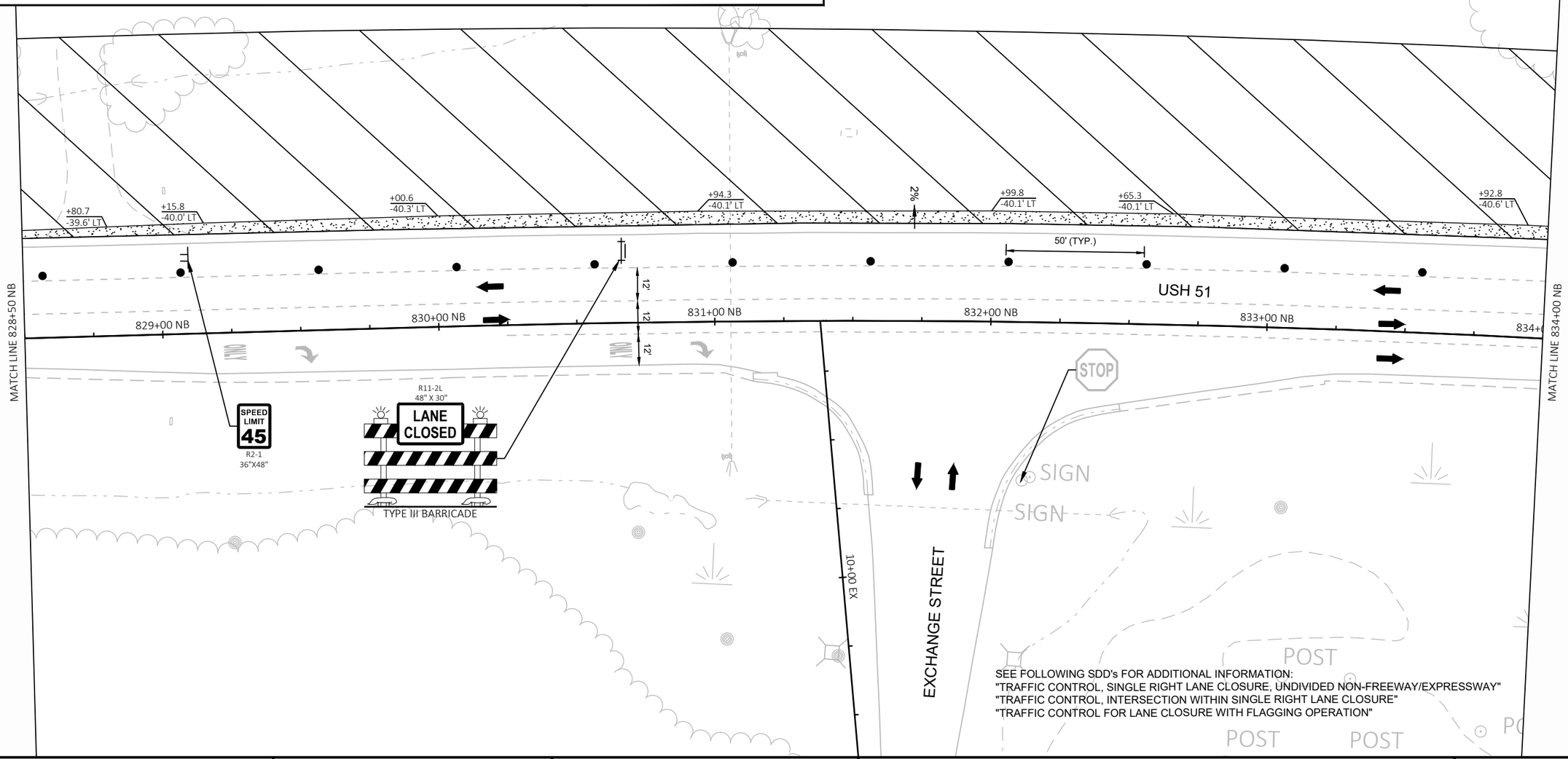
- 6DYT TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (DOUBLE YELLOW)
- 6Y TEMPORARY MARKING LINE EPOXY 6-INCH (YELLOW)
- 6YT TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
- 18W TEMPORARY MARKING STOP LINE EPOXY 18-INCH (WHITE)
- 18WT TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH (WHITE)

NOTE: ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED.

N



SEE FOLLOWING SDD's FOR ADDITIONAL INFORMATION:
"TRAFFIC CONTROL, SINGLE RIGHT LANE CLOSURE, UNDIVIDED NON-FREEWAY/EXPRESSWAY"
"TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE RIGHT LANE CLOSURE"
"TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION"

PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	TRAFFIC CONTROL - STAGE 1	SHEET 115	E

2

LEGEND

- TEMPORARY PAVEMENT PLACED IN PREVIOUS STAGE
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES; 3.5-INCHES ASPHALTIC SURFACE TEMPORARY, OVER 10-INCHES BASE AGGREGATE DENSE 1 1/4 -INCH
- WORK ZONE
- SAWING ASPHALT REQ'D
- SAWING CONCRETE REQ'D
- TRAFFIC CONTROL DRUMS (WITH/WITHOUT LIGHT, TYPE C)
- TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER POSTS/BASES
- TRAFFIC CONTROL SIGNS (MOUNTED ON TEMPORARY SUPPORT)
- TRAFFIC CONTROL BARRICADES TYPE III (WITH/WITHOUT SIGN)
- MARKING REMOVAL LINE WATER BLASTING
- TRAFFIC CONTROL CONNECTED ARROW BOARDS
- TRAFFIC FLOW ARROW
- 6W — TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE)
- 6WT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
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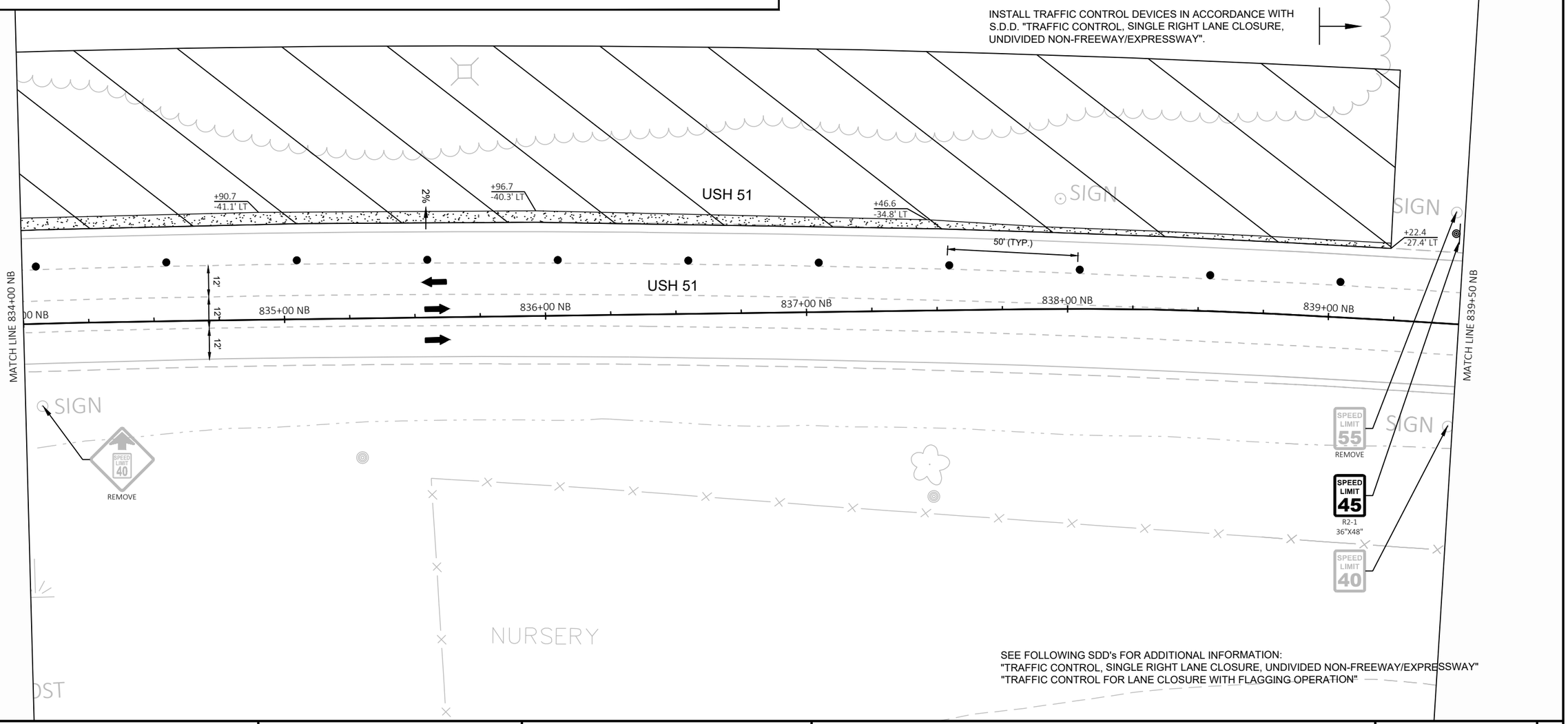
- 6DYT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (DOUBLE YELLOW)
- 6Y — TEMPORARY MARKING LINE EPOXY 6-INCH (YELLOW)
- 6YT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
- 18W — TEMPORARY MARKING STOP LINE EPOXY 18-INCH (WHITE)
- 18WT — TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH (WHITE)

NOTE: ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED.

INSTALL TRAFFIC CONTROL DEVICES IN ACCORDANCE WITH S.D.D. "TRAFFIC CONTROL, SINGLE RIGHT LANE CLOSURE, UNDIVIDED NON-FREEWAY/EXPRESSWAY".



SEE FOLLOWING SDD's FOR ADDITIONAL INFORMATION:
"TRAFFIC CONTROL, SINGLE RIGHT LANE CLOSURE, UNDIVIDED NON-FREEWAY/EXPRESSWAY"
"TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION"

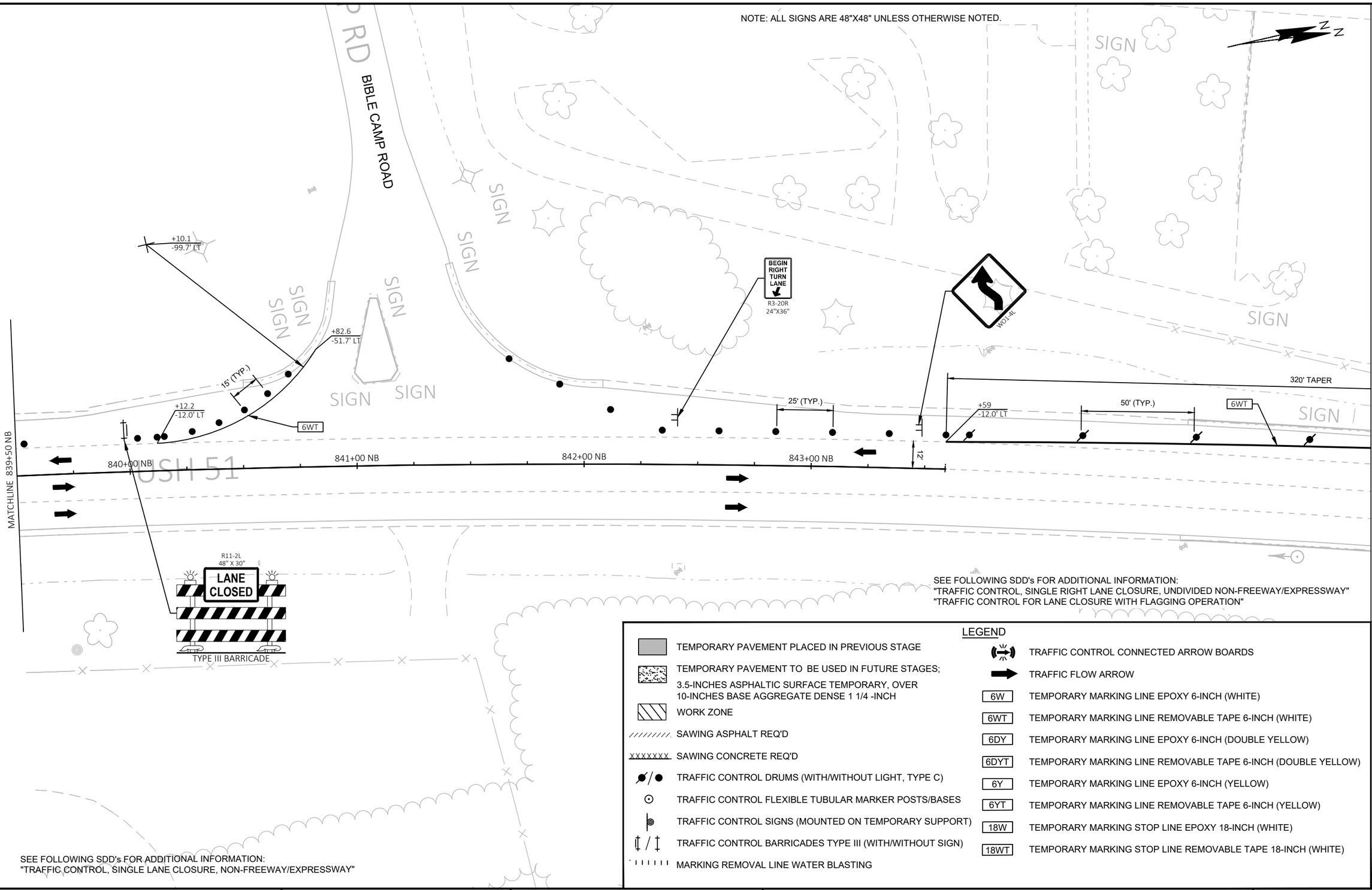
PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	TRAFFIC CONTROL - STAGE 1	SHEET 116	E

FILE NAME : S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\026001-S1.DWG
LAYOUT NAME - 026007-s1

PLOT DATE : 10/22/2025 11:12 AM PLOT BY : HABERKORN, DEVEN PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

NOTE: ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED.



SEE FOLLOWING SDD's FOR ADDITIONAL INFORMATION:
"TRAFFIC CONTROL, SINGLE RIGHT LANE CLOSURE, UNDIVIDED NON-FREEWAY/EXPRESSWAY"
"TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION"

SEE FOLLOWING SDD's FOR ADDITIONAL INFORMATION:
"TRAFFIC CONTROL, SINGLE LANE CLOSURE, NON-FREEWAY/EXPRESSWAY"

LEGEND

- TEMPORARY PAVEMENT PLACED IN PREVIOUS STAGE
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES; 3.5-INCHES ASPHALTIC SURFACE TEMPORARY, OVER 10-INCHES BASE AGGREGATE DENSE 1 1/4 -INCH
- WORK ZONE
- SAWING ASPHALT REQ'D
- SAWING CONCRETE REQ'D
- TRAFFIC CONTROL DRUMS (WITH/WITHOUT LIGHT, TYPE C)
- TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER POSTS/BASES
- TRAFFIC CONTROL SIGNS (MOUNTED ON TEMPORARY SUPPORT)
- TRAFFIC CONTROL BARRICADES TYPE III (WITH/WITHOUT SIGN)
- MARKING REMOVAL LINE WATER BLASTING
- TRAFFIC CONTROL CONNECTED ARROW BOARDS
- TRAFFIC FLOW ARROW
- 6W — TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE)
- 6WT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
- 6DY — TEMPORARY MARKING LINE EPOXY 6-INCH (DOUBLE YELLOW)
- 6DYT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (DOUBLE YELLOW)
- 6Y — TEMPORARY MARKING LINE EPOXY 6-INCH (YELLOW)
- 6YT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
- 18W — TEMPORARY MARKING STOP LINE EPOXY 18-INCH (WHITE)
- 18WT — TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH (WHITE)

PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	TRAFFIC CONTROL - STAGE 1	SHEET 117	E

2

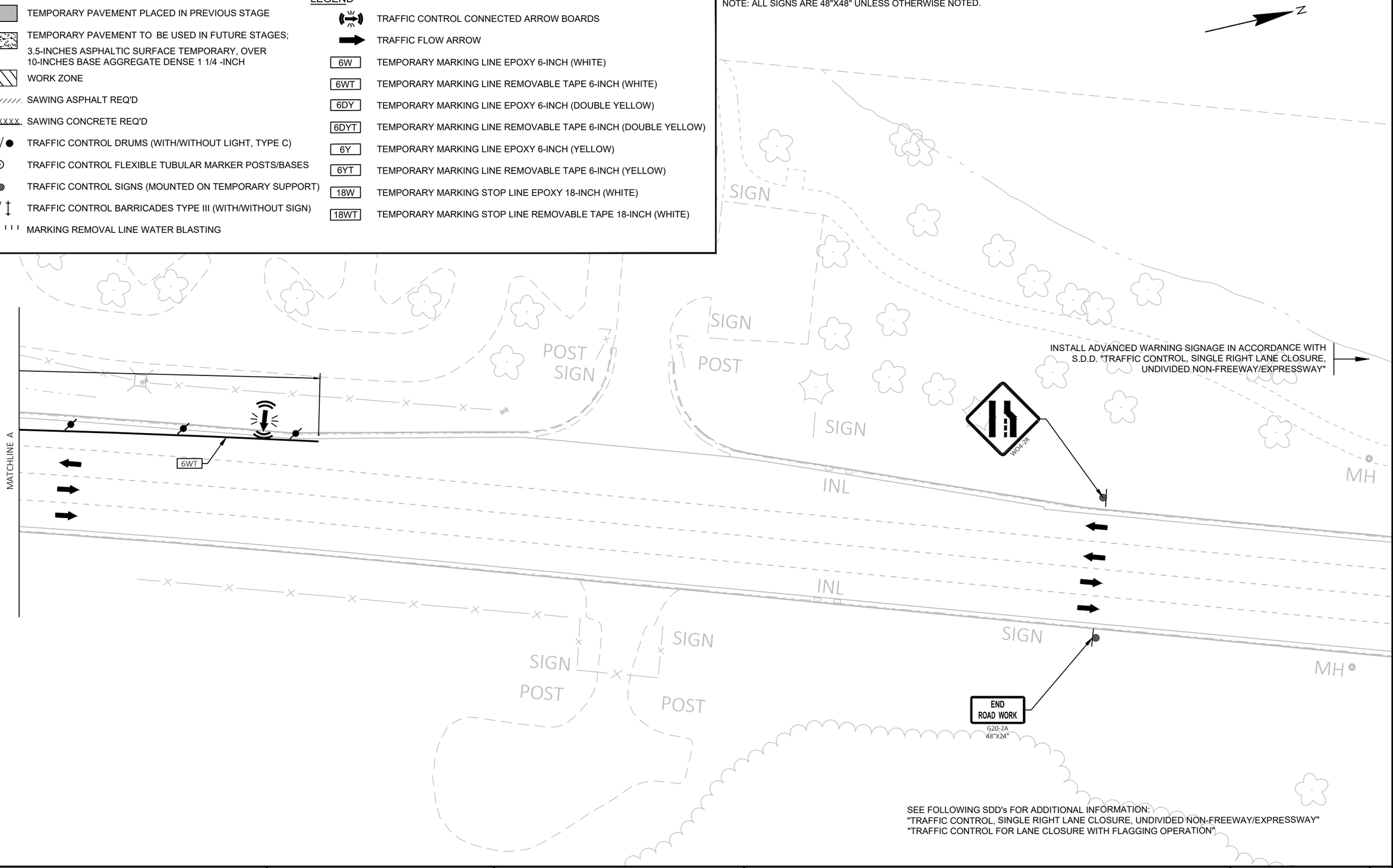
LEGEND

- TEMPORARY PAVEMENT PLACED IN PREVIOUS STAGE
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES; 3.5-INCHES ASPHALTIC SURFACE TEMPORARY, OVER 10-INCHES BASE AGGREGATE DENSE 1 1/4 -INCH
- WORK ZONE
- SAWING ASPHALT REQ'D
- SAWING CONCRETE REQ'D
- TRAFFIC CONTROL DRUMS (WITH/WITHOUT LIGHT, TYPE C)
- TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER POSTS/BASES
- TRAFFIC CONTROL SIGNS (MOUNTED ON TEMPORARY SUPPORT)
- TRAFFIC CONTROL BARRICADES TYPE III (WITH/WITHOUT SIGN)
- MARKING REMOVAL LINE WATER BLASTING
- TRAFFIC CONTROL CONNECTED ARROW BOARDS
- TRAFFIC FLOW ARROW
- 6W TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE)
- 6WT TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
- 6DY TEMPORARY MARKING LINE EPOXY 6-INCH (DOUBLE YELLOW)
- 6DYT TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (DOUBLE YELLOW)
- 6Y TEMPORARY MARKING LINE EPOXY 6-INCH (YELLOW)
- 6YT TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
- 18W TEMPORARY MARKING STOP LINE EPOXY 18-INCH (WHITE)
- 18WT TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH (WHITE)

NOTE: ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED.

N

2



SEE FOLLOWING SDD's FOR ADDITIONAL INFORMATION:
"TRAFFIC CONTROL, SINGLE RIGHT LANE CLOSURE, UNDIVIDED NON-FREEWAY/EXPRESSWAY"
"TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION"

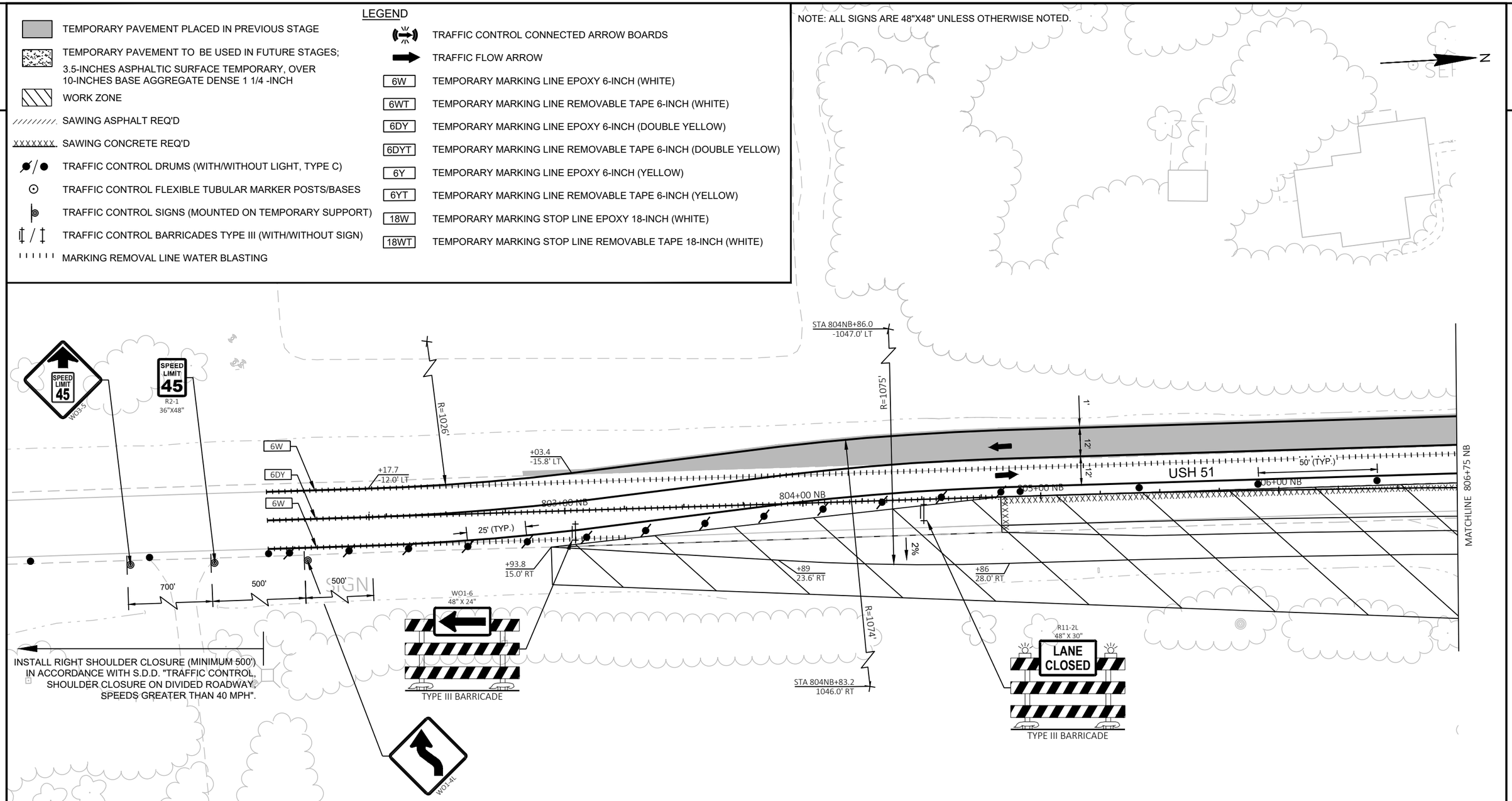
PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	TRAFFIC CONTROL - STAGE 1	SHEET 118	E

2

LEGEND

- TEMPORARY PAVEMENT PLACED IN PREVIOUS STAGE
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES; 3.5-INCHES ASPHALTIC SURFACE TEMPORARY, OVER 10-INCHES BASE AGGREGATE DENSE 1 1/4 -INCH
- WORK ZONE
- SAWING ASPHALT REQ'D
- SAWING CONCRETE REQ'D
- TRAFFIC CONTROL DRUMS (WITH/WITHOUT LIGHT, TYPE C)
- TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER POSTS/BASES
- TRAFFIC CONTROL SIGNS (MOUNTED ON TEMPORARY SUPPORT)
- TRAFFIC CONTROL BARRICADES TYPE III (WITH/WITHOUT SIGN)
- MARKING REMOVAL LINE WATER BLASTING
- TRAFFIC CONTROL CONNECTED ARROW BOARDS
- TRAFFIC FLOW ARROW
- 6W TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE)
- 6WT TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
- 6DY TEMPORARY MARKING LINE EPOXY 6-INCH (DOUBLE YELLOW)
- 6DYT TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (DOUBLE YELLOW)
- 6Y TEMPORARY MARKING LINE EPOXY 6-INCH (YELLOW)
- 6YT TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
- 18W TEMPORARY MARKING STOP LINE EPOXY 18-INCH (WHITE)
- 18WT TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH (WHITE)

NOTE: ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED.



PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	TRAFFIC CONTROL - STAGE 2	SHEET 119	E

FILE NAME : S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\026001-S2.DWG
LAYOUT NAME - 026001-s2

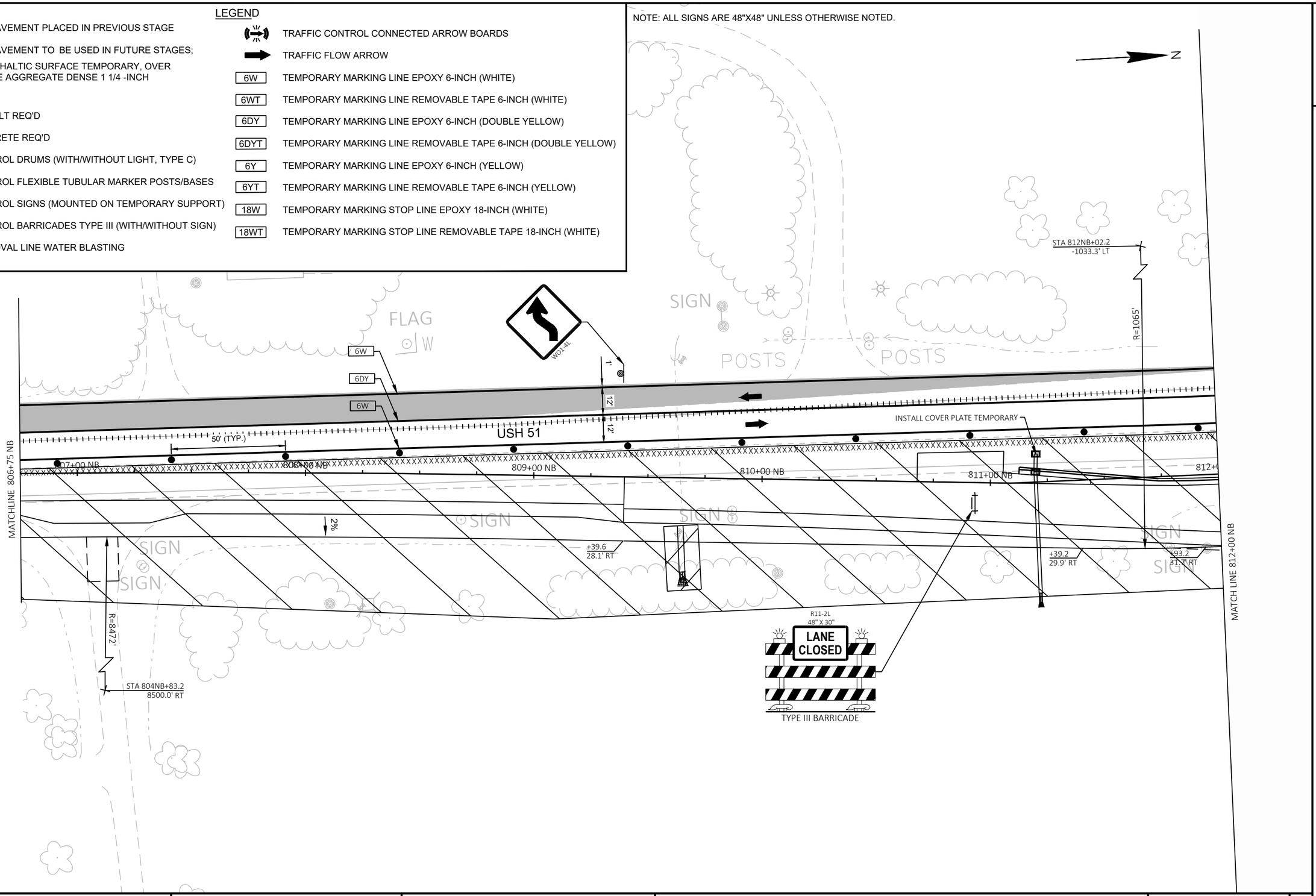
PLOT DATE : 10/22/2025 11:12 AM PLOT BY : HABERKORN, DEVEN PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 42

LEGEND

- TEMPORARY PAVEMENT PLACED IN PREVIOUS STAGE
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES; 3.5-INCHES ASPHALTIC SURFACE TEMPORARY, OVER 10-INCHES BASE AGGREGATE DENSE 1 1/4 -INCH
- WORK ZONE
- SAWING ASPHALT REQ'D
- SAWING CONCRETE REQ'D
- TRAFFIC CONTROL DRUMS (WITH/WITHOUT LIGHT, TYPE C)
- TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER POSTS/BASES
- TRAFFIC CONTROL SIGNS (MOUNTED ON TEMPORARY SUPPORT)
- TRAFFIC CONTROL BARRICADES TYPE III (WITH/WITHOUT SIGN)
- MARKING REMOVAL LINE WATER BLASTING
- TRAFFIC CONTROL CONNECTED ARROW BOARDS
- TRAFFIC FLOW ARROW
- 6W — TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE)
- 6WT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
- 6DY — TEMPORARY MARKING LINE EPOXY 6-INCH (DOUBLE YELLOW)
- 6DYT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (DOUBLE YELLOW)
- 6Y — TEMPORARY MARKING LINE EPOXY 6-INCH (YELLOW)
- 6YT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
- 18W — TEMPORARY MARKING STOP LINE EPOXY 18-INCH (WHITE)
- 18WT — TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH (WHITE)

NOTE: ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED.



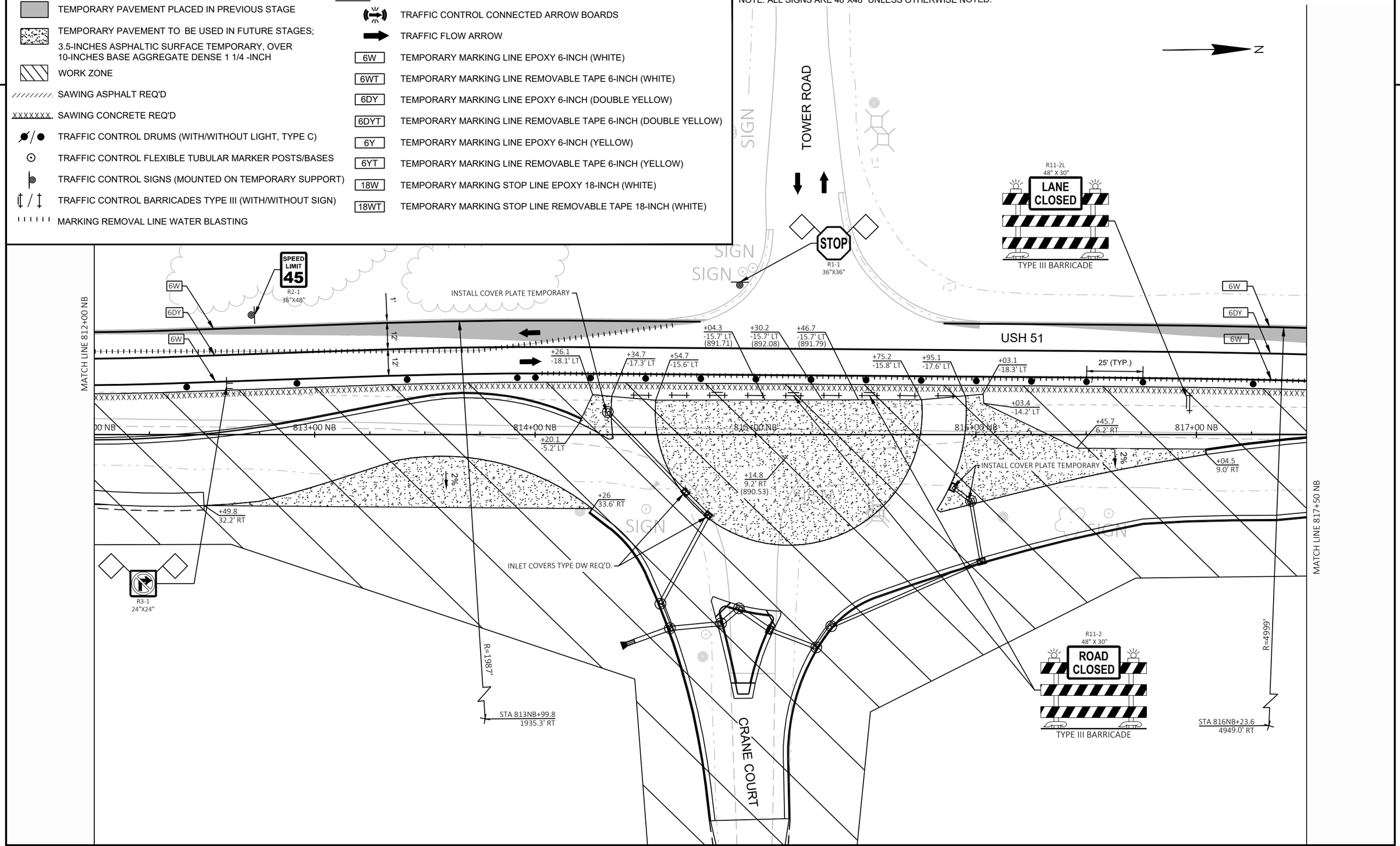
PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	TRAFFIC CONTROL - STAGE 2	SHEET 120	E

2

LEGEND

- TEMPORARY PAVEMENT PLACED IN PREVIOUS STAGE
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES; 3.5-INCHES ASPHALTIC SURFACE TEMPORARY, OVER 10-INCHES BASE AGGREGATE DENSE 1 1/4 -INCH
- WORK ZONE
- SAWING ASPHALT REQ'D
- SAWING CONCRETE REQ'D
- TRAFFIC CONTROL DRUMS (WITH/WITHOUT LIGHT, TYPE C)
- TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER POSTS/BASES
- TRAFFIC CONTROL SIGNS (MOUNTED ON TEMPORARY SUPPORT)
- TRAFFIC CONTROL BARRICADES TYPE III (WITH/WITHOUT SIGN)
- MARKING REMOVAL LINE WATER BLASTING
- TRAFFIC CONTROL CONNECTED ARROW BOARDS
- TRAFFIC FLOW ARROW
- 6W TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE)
- 6WT TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
- 6DY TEMPORARY MARKING LINE EPOXY 6-INCH (DOUBLE YELLOW)
- 6DYT TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (DOUBLE YELLOW)
- 6Y TEMPORARY MARKING LINE EPOXY 6-INCH (YELLOW)
- 6YT TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
- 18W TEMPORARY MARKING STOP LINE EPOXY 18-INCH (WHITE)
- 18WT TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH (WHITE)

NOTE: ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED.



PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	TRAFFIC CONTROL - STAGE 2	SHEET 121	E

FILE NAME : S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\026001-S2.DWG
LAYOUT NAME - 026003-s2

PLOT DATE : 10/22/2025 11:12 AM PLOT BY : HABERKORN, DEVEN PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

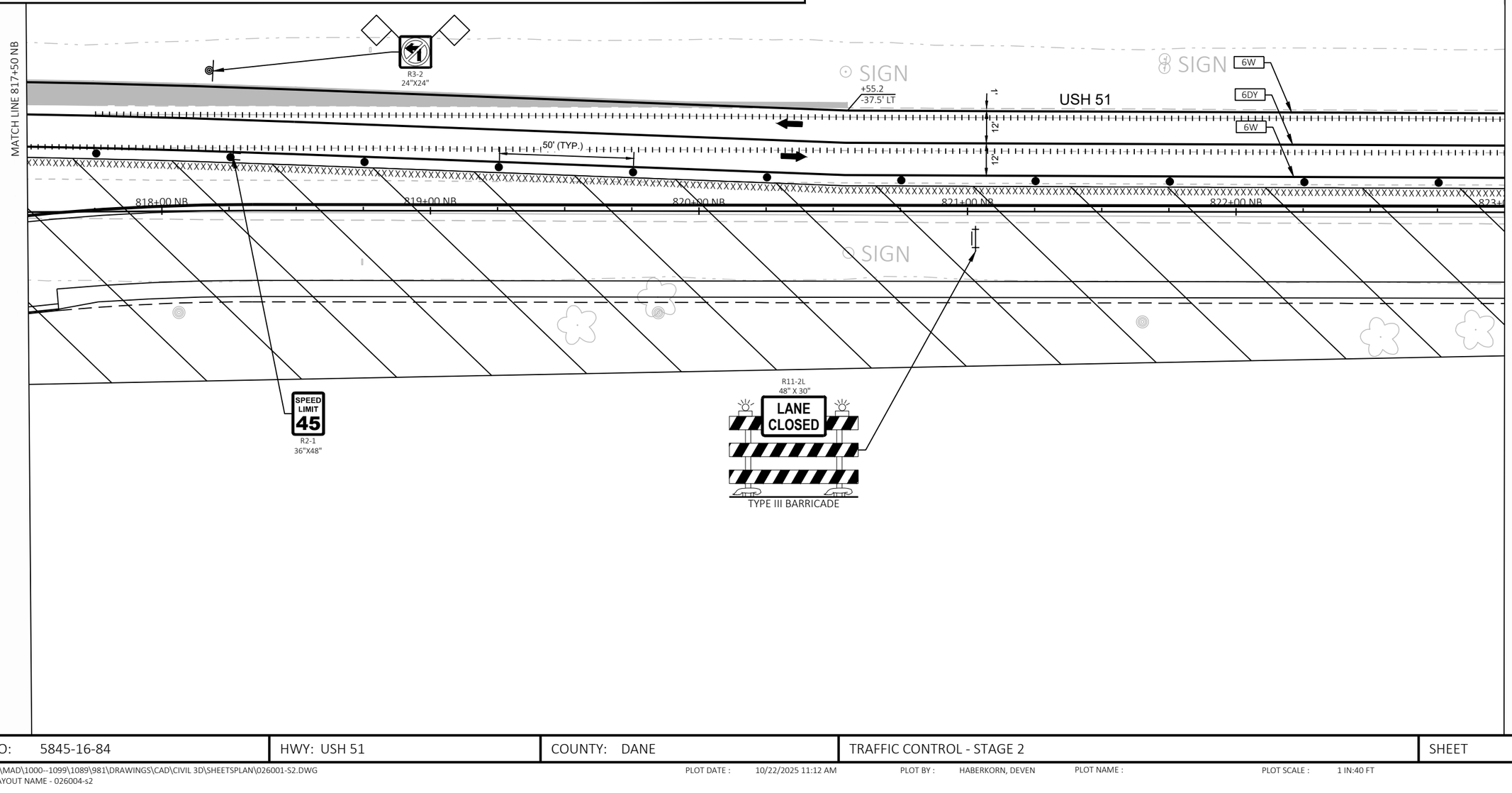
2

LEGEND

- TEMPORARY PAVEMENT PLACED IN PREVIOUS STAGE
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES; 3.5-INCHES ASPHALTIC SURFACE TEMPORARY, OVER 10-INCHES BASE AGGREGATE DENSE 1 1/4 -INCH
- WORK ZONE
- SAWING ASPHALT REQ'D
- SAWING CONCRETE REQ'D
- TRAFFIC CONTROL DRUMS (WITH/WITHOUT LIGHT, TYPE C)
- TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER POSTS/BASES
- TRAFFIC CONTROL SIGNS (MOUNTED ON TEMPORARY SUPPORT)
- TRAFFIC CONTROL BARRICADES TYPE III (WITH/WITHOUT SIGN)
- MARKING REMOVAL LINE WATER BLASTING
- TRAFFIC CONTROL CONNECTED ARROW BOARDS
- TRAFFIC FLOW ARROW
- 6W — TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE)
- 6WT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
- 6DY — TEMPORARY MARKING LINE EPOXY 6-INCH (DOUBLE YELLOW)
- 6DYT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (DOUBLE YELLOW)
- 6Y — TEMPORARY MARKING LINE EPOXY 6-INCH (YELLOW)
- 6YT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
- 18W — TEMPORARY MARKING STOP LINE EPOXY 18-INCH (WHITE)
- 18WT — TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH (WHITE)

NOTE: ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED.

N



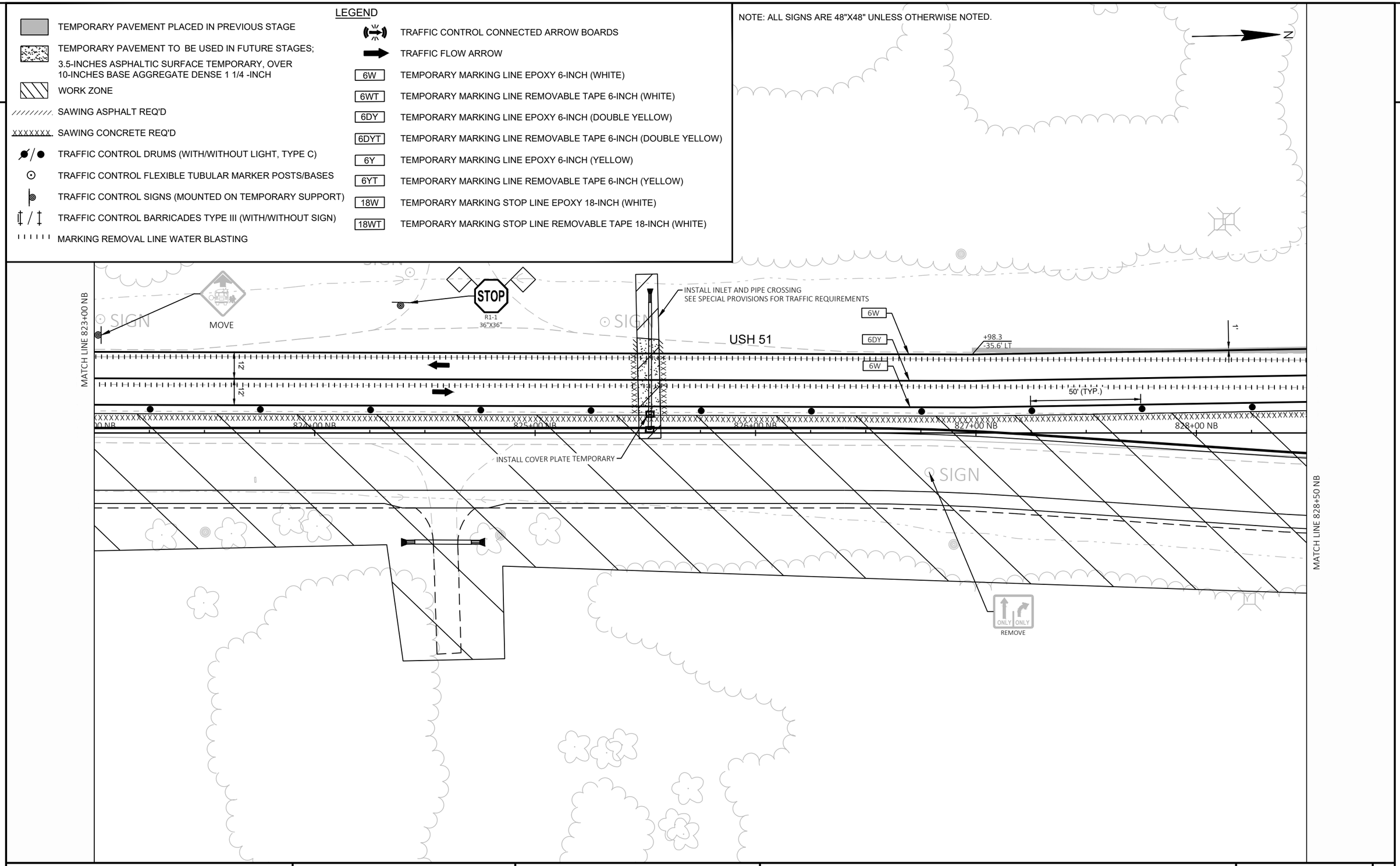
PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	TRAFFIC CONTROL - STAGE 2	SHEET 122	E

FILE NAME : S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\026001-S2.DWG
LAYOUT NAME - 026004-s2
PLOT DATE : 10/22/2025 11:12 AM
PLOT BY : HABERKORN, DEVEN
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

LEGEND

- TEMPORARY PAVEMENT PLACED IN PREVIOUS STAGE
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES; 3.5-INCHES ASPHALTIC SURFACE TEMPORARY, OVER 10-INCHES BASE AGGREGATE DENSE 1 1/4 -INCH
- WORK ZONE
- SAWING ASPHALT REQ'D
- SAWING CONCRETE REQ'D
- TRAFFIC CONTROL DRUMS (WITH/WITHOUT LIGHT, TYPE C)
- TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER POSTS/BASES
- TRAFFIC CONTROL SIGNS (MOUNTED ON TEMPORARY SUPPORT)
- TRAFFIC CONTROL BARRICADES TYPE III (WITH/WITHOUT SIGN)
- MARKING REMOVAL LINE WATER BLASTING
- TRAFFIC CONTROL CONNECTED ARROW BOARDS
- TRAFFIC FLOW ARROW
- 6W TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE)
- 6WT TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
- 6DY TEMPORARY MARKING LINE EPOXY 6-INCH (DOUBLE YELLOW)
- 6DYT TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (DOUBLE YELLOW)
- 6Y TEMPORARY MARKING LINE EPOXY 6-INCH (YELLOW)
- 6YT TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
- 18W TEMPORARY MARKING STOP LINE EPOXY 18-INCH (WHITE)
- 18WT TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH (WHITE)

NOTE: ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED.



PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	TRAFFIC CONTROL - STAGE 2	SHEET 123	E

FILE NAME : S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\026001-S2.DWG
LAYOUT NAME - 026005-s2

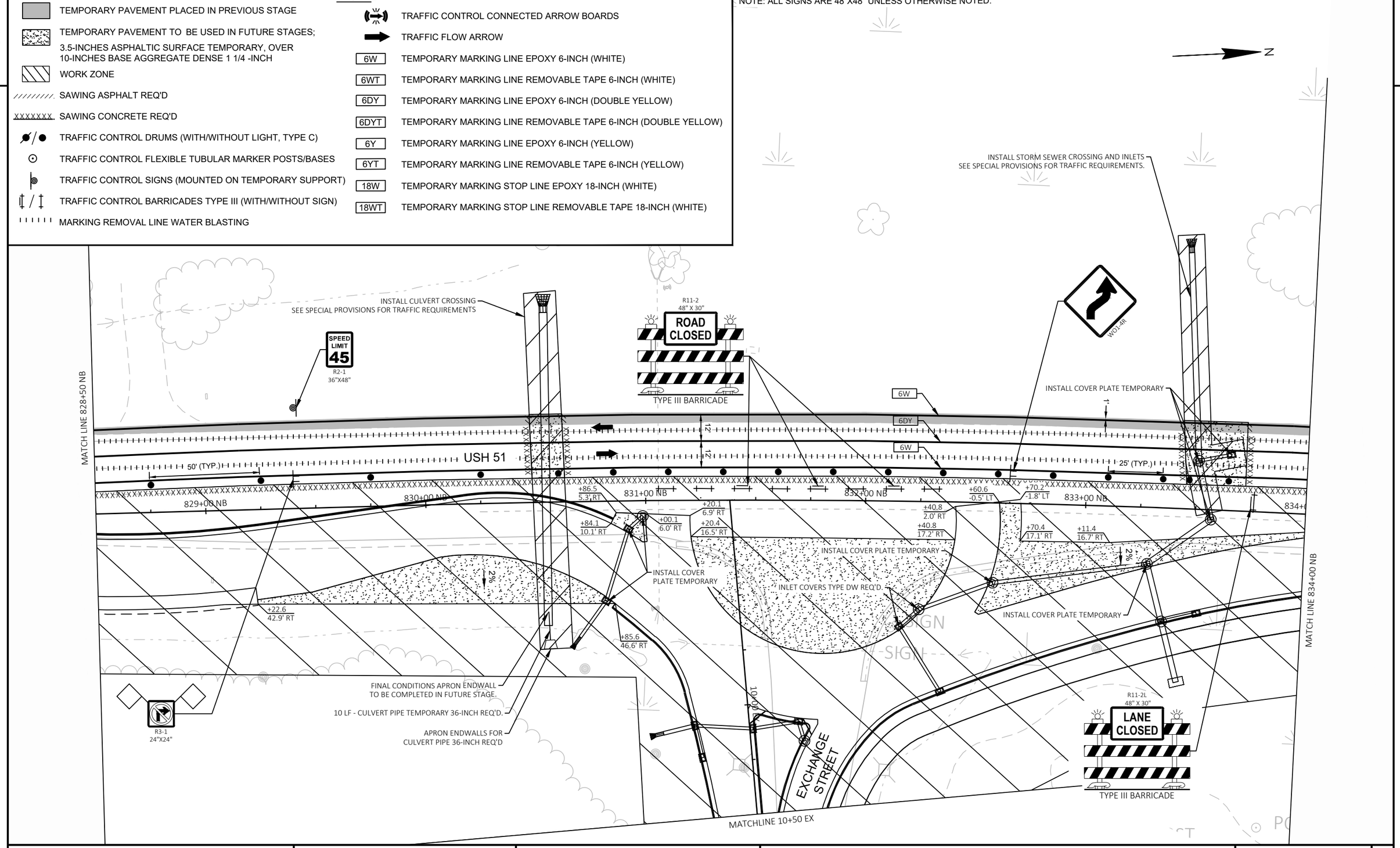
PLOT DATE : 10/22/2025 11:12 AM PLOT BY : HABERKORN, DEVEN PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

LEGEND

- TEMPORARY PAVEMENT PLACED IN PREVIOUS STAGE
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES; 3.5-INCHES ASPHALTIC SURFACE TEMPORARY, OVER 10-INCHES BASE AGGREGATE DENSE 1 1/4 -INCH
- WORK ZONE
- SAWING ASPHALT REQ'D
- SAWING CONCRETE REQ'D
- TRAFFIC CONTROL DRUMS (WITH/WITHOUT LIGHT, TYPE C)
- TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER POSTS/BASES
- TRAFFIC CONTROL SIGNS (MOUNTED ON TEMPORARY SUPPORT)
- TRAFFIC CONTROL BARRICADES TYPE III (WITH/WITHOUT SIGN)
- MARKING REMOVAL LINE WATER BLASTING
- TRAFFIC CONTROL CONNECTED ARROW BOARDS
- TRAFFIC FLOW ARROW
- 6W TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE)
- 6WT TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
- 6DY TEMPORARY MARKING LINE EPOXY 6-INCH (DOUBLE YELLOW)
- 6DYT TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (DOUBLE YELLOW)
- 6Y TEMPORARY MARKING LINE EPOXY 6-INCH (YELLOW)
- 6YT TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
- 18W TEMPORARY MARKING STOP LINE EPOXY 18-INCH (WHITE)
- 18WT TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH (WHITE)

NOTE: ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED.



PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	TRAFFIC CONTROL - STAGE 2	SHEET 124	E

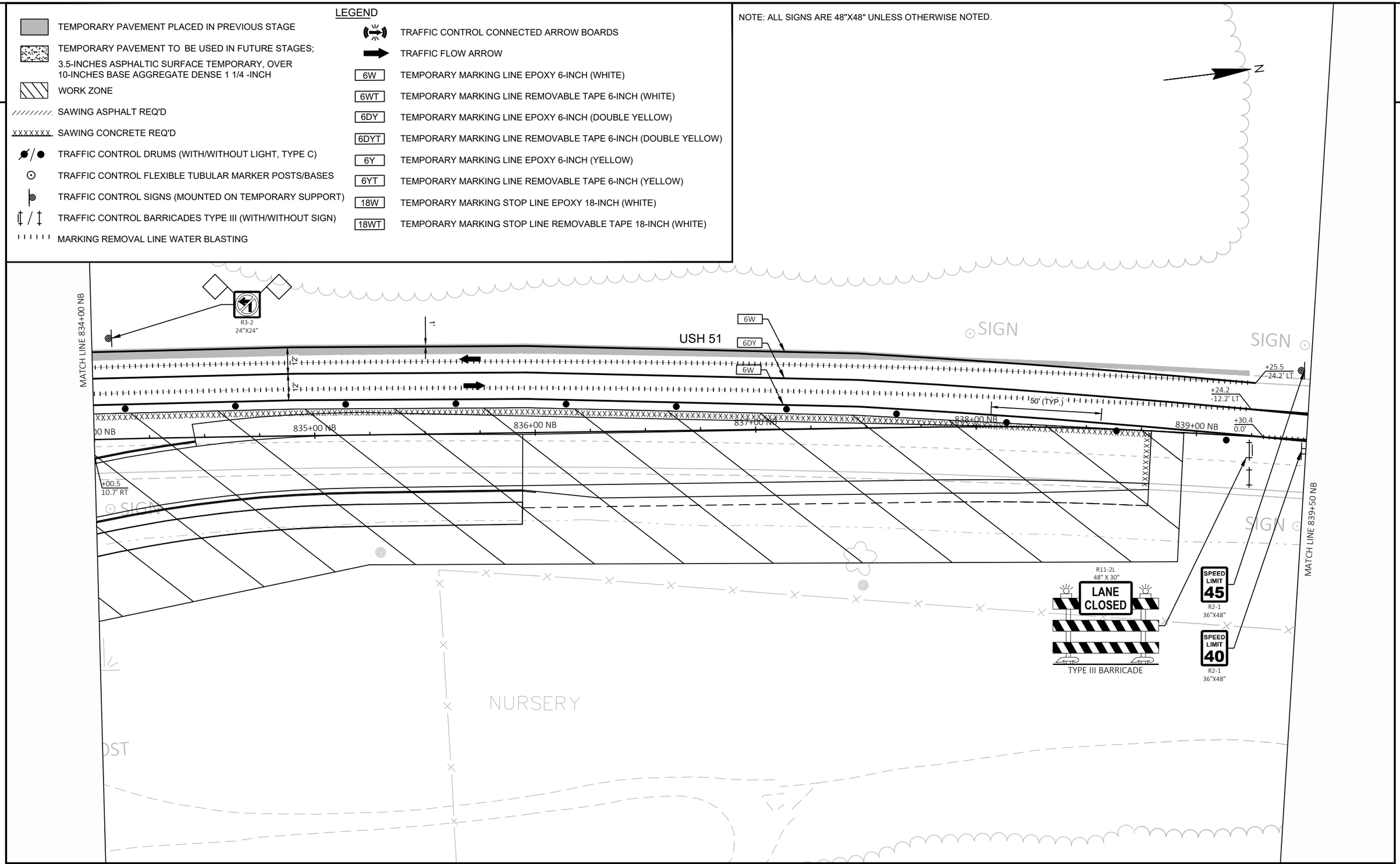
FILE NAME : S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\026001-S2.DWG
LAYOUT NAME - 026006-s2
PLOT DATE : 10/22/2025 11:12 AM
PLOT BY : HABERKORN, DEVEN
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

LEGEND

- TEMPORARY PAVEMENT PLACED IN PREVIOUS STAGE
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES; 3.5-INCHES ASPHALTIC SURFACE TEMPORARY, OVER 10-INCHES BASE AGGREGATE DENSE 1 1/4 -INCH
- WORK ZONE
- SAWING ASPHALT REQ'D
- SAWING CONCRETE REQ'D
- TRAFFIC CONTROL DRUMS (WITH/WITHOUT LIGHT, TYPE C)
- TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER POSTS/BASES
- TRAFFIC CONTROL SIGNS (MOUNTED ON TEMPORARY SUPPORT)
- TRAFFIC CONTROL BARRICADES TYPE III (WITH/WITHOUT SIGN)
- MARKING REMOVAL LINE WATER BLASTING
- TRAFFIC CONTROL CONNECTED ARROW BOARDS
- TRAFFIC FLOW ARROW
- 6W TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE)
- 6WT TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
- 6DY TEMPORARY MARKING LINE EPOXY 6-INCH (DOUBLE YELLOW)
- 6DYT TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (DOUBLE YELLOW)
- 6Y TEMPORARY MARKING LINE EPOXY 6-INCH (YELLOW)
- 6YT TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
- 18W TEMPORARY MARKING STOP LINE EPOXY 18-INCH (WHITE)
- 18WT TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH (WHITE)

NOTE: ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED.



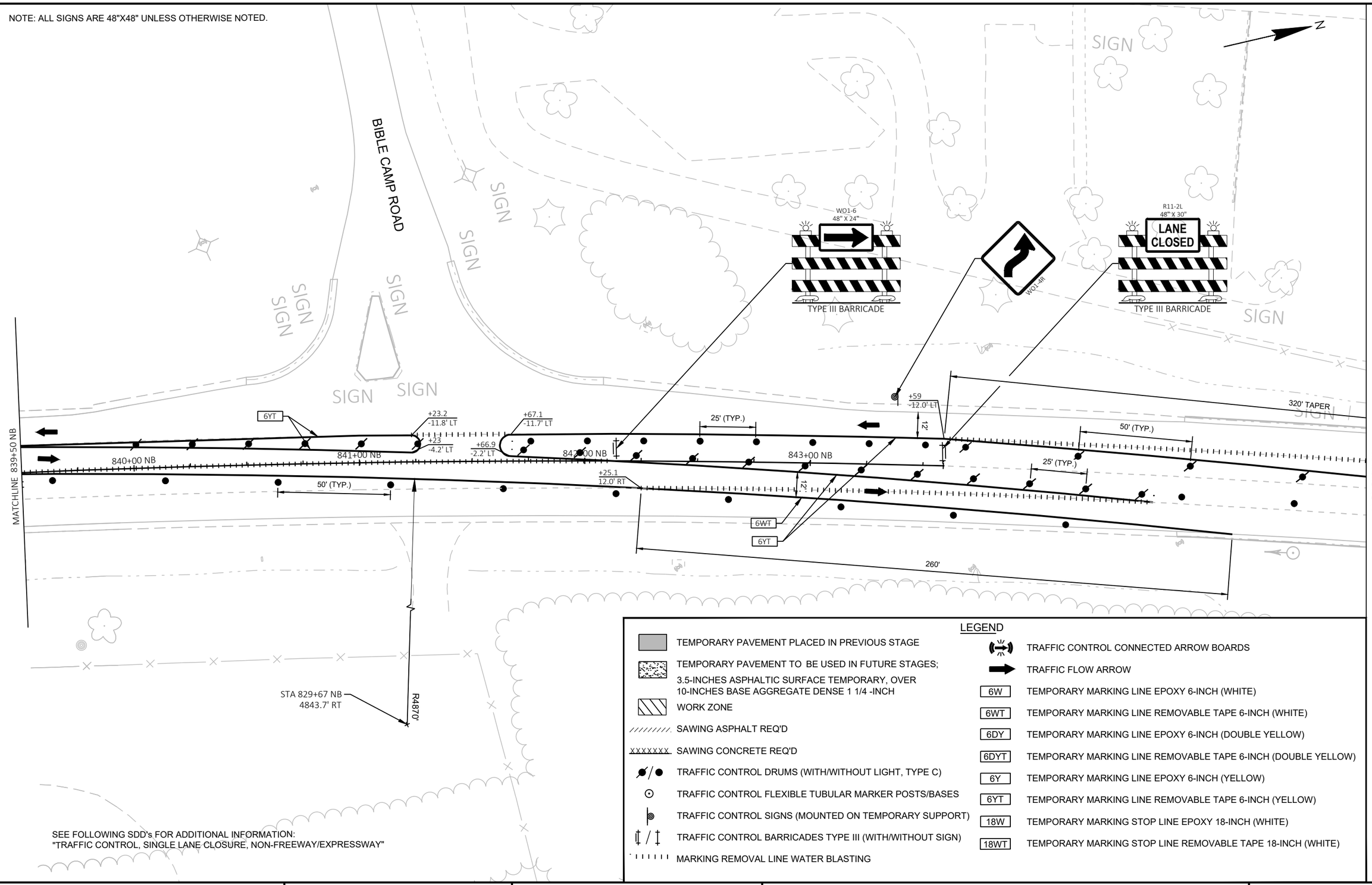
PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	TRAFFIC CONTROL - STAGE 2	SHEET 125	E

FILE NAME : S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\026001-S2.DWG
LAYOUT NAME - 026007-s2

PLOT DATE : 10/22/2025 11:12 AM PLOT BY : HABERKORN, DEVEN PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

NOTE: ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED.



SEE FOLLOWING SDD's FOR ADDITIONAL INFORMATION:
"TRAFFIC CONTROL, SINGLE LANE CLOSURE, NON-FREEWAY/EXPRESSWAY"

LEGEND

- TEMPORARY PAVEMENT PLACED IN PREVIOUS STAGE
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES; 3.5-INCHES ASPHALTIC SURFACE TEMPORARY, OVER 10-INCHES BASE AGGREGATE DENSE 1 1/4 -INCH
- WORK ZONE
- SAWING ASPHALT REQ'D
- SAWING CONCRETE REQ'D
- TRAFFIC CONTROL DRUMS (WITH/WITHOUT LIGHT, TYPE C)
- TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER POSTS/BASES
- TRAFFIC CONTROL SIGNS (MOUNTED ON TEMPORARY SUPPORT)
- TRAFFIC CONTROL BARRICADES TYPE III (WITH/WITHOUT SIGN)
- MARKING REMOVAL LINE WATER BLASTING
- TRAFFIC CONTROL CONNECTED ARROW BOARDS
- TRAFFIC FLOW ARROW
- 6W — TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE)
- 6WT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
- 6DY — TEMPORARY MARKING LINE EPOXY 6-INCH (DOUBLE YELLOW)
- 6DYT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (DOUBLE YELLOW)
- 6Y — TEMPORARY MARKING LINE EPOXY 6-INCH (YELLOW)
- 6YT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
- 18W — TEMPORARY MARKING STOP LINE EPOXY 18-INCH (WHITE)
- 18WT — TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH (WHITE)

PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	TRAFFIC CONTROL - STAGE 2	SHEET 126 E

2

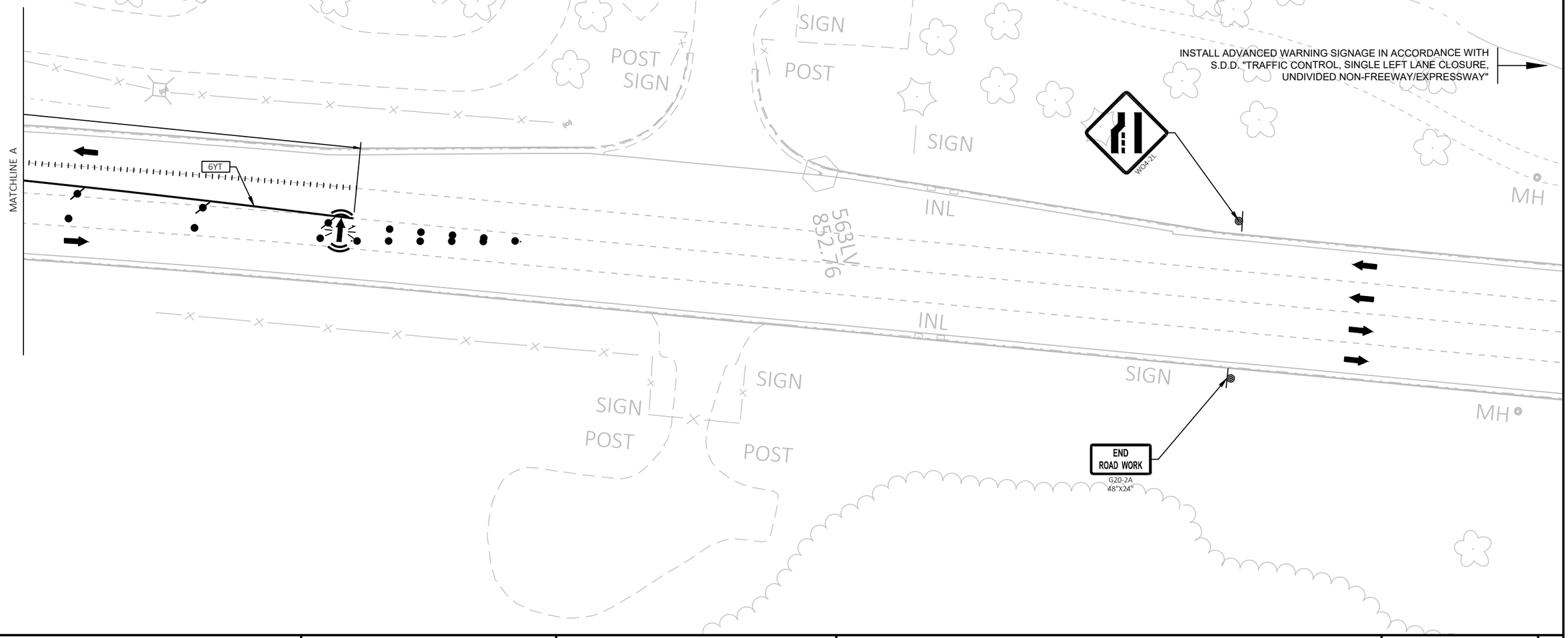
LEGEND

- TEMPORARY PAVEMENT PLACED IN PREVIOUS STAGE
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES; 3.5-INCHES ASPHALTIC SURFACE TEMPORARY, OVER 10-INCHES BASE AGGREGATE DENSE 1 1/4 -INCH
- WORK ZONE
- SAWING ASPHALT REQ'D
- SAWING CONCRETE REQ'D
- TRAFFIC CONTROL DRUMS (WITH/WITHOUT LIGHT, TYPE C)
- TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER POSTS/BASES
- TRAFFIC CONTROL SIGNS (MOUNTED ON TEMPORARY SUPPORT)
- TRAFFIC CONTROL BARRICADES TYPE III (WITH/WITHOUT SIGN)
- MARKING REMOVAL LINE WATER BLASTING
- TRAFFIC CONTROL CONNECTED ARROW BOARDS
- TRAFFIC FLOW ARROW
- 6W TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE)
- 6WT TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
- 6DY TEMPORARY MARKING LINE EPOXY 6-INCH (DOUBLE YELLOW)
- 6DYT TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (DOUBLE YELLOW)
- 6Y TEMPORARY MARKING LINE EPOXY 6-INCH (YELLOW)
- 6YT TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
- 18W TEMPORARY MARKING STOP LINE EPOXY 18-INCH (WHITE)
- 18WT TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH (WHITE)

NOTE: ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED.

N

2



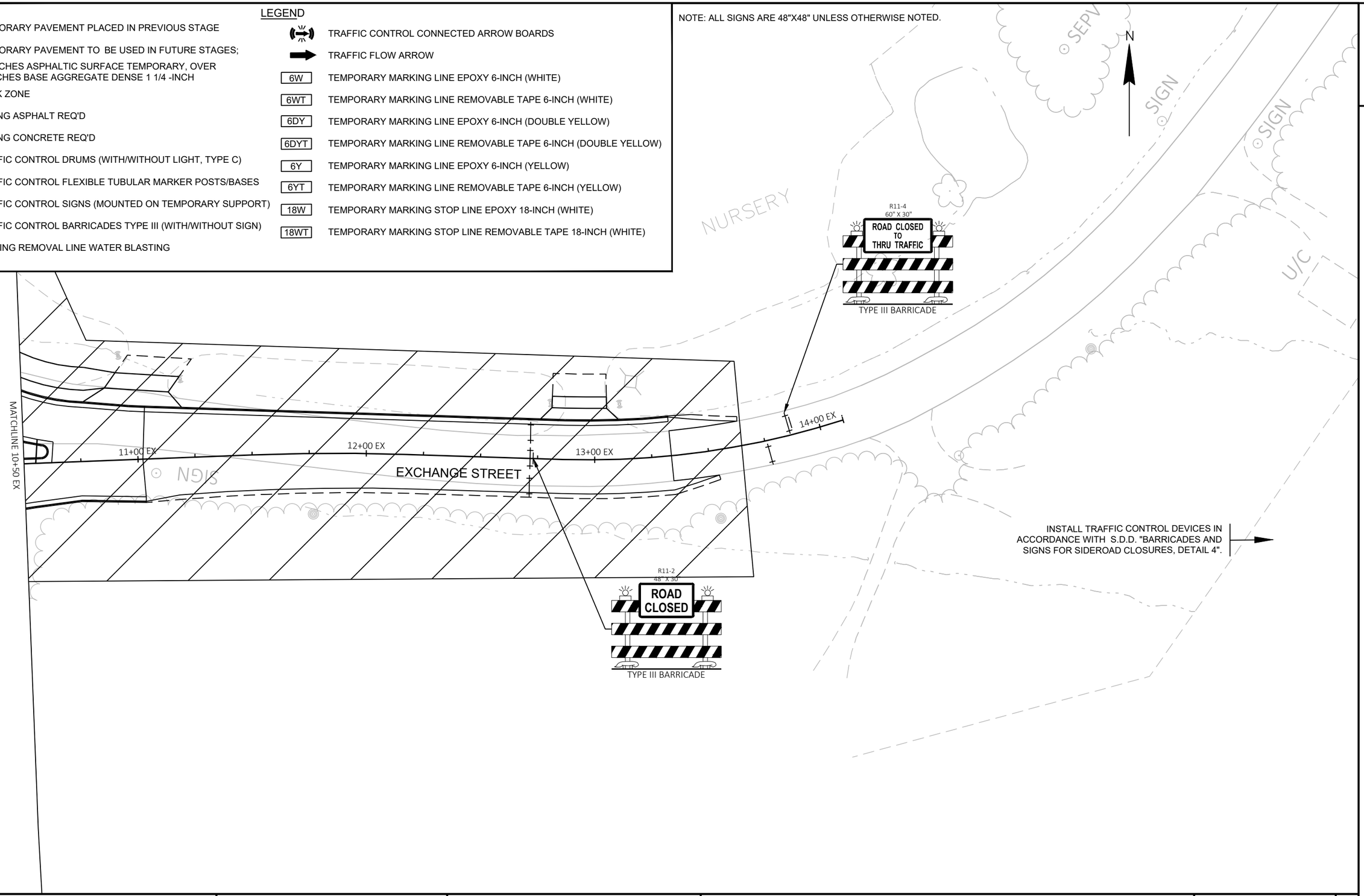
PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	TRAFFIC CONTROL - STAGE 2	SHEET 127	E

2

LEGEND

- TEMPORARY PAVEMENT PLACED IN PREVIOUS STAGE
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES; 3.5-INCHES ASPHALTIC SURFACE TEMPORARY, OVER 10-INCHES BASE AGGREGATE DENSE 1 1/4 -INCH
- WORK ZONE
- SAWING ASPHALT REQ'D
- SAWING CONCRETE REQ'D
- TRAFFIC CONTROL DRUMS (WITH/WITHOUT LIGHT, TYPE C)
- TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER POSTS/BASES
- TRAFFIC CONTROL SIGNS (MOUNTED ON TEMPORARY SUPPORT)
- TRAFFIC CONTROL BARRICADES TYPE III (WITH/WITHOUT SIGN)
- MARKING REMOVAL LINE WATER BLASTING
- TRAFFIC CONTROL CONNECTED ARROW BOARDS
- TRAFFIC FLOW ARROW
- 6W TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE)
- 6WT TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
- 6DY TEMPORARY MARKING LINE EPOXY 6-INCH (DOUBLE YELLOW)
- 6DYT TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (DOUBLE YELLOW)
- 6Y TEMPORARY MARKING LINE EPOXY 6-INCH (YELLOW)
- 6YT TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
- 18W TEMPORARY MARKING STOP LINE EPOXY 18-INCH (WHITE)
- 18WT TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH (WHITE)

NOTE: ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED.



2

PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	TRAFFIC CONTROL - STAGE 2	SHEET 128	E

FILE NAME : S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\026001-S2.DWG
LAYOUT NAME - 026011-s2

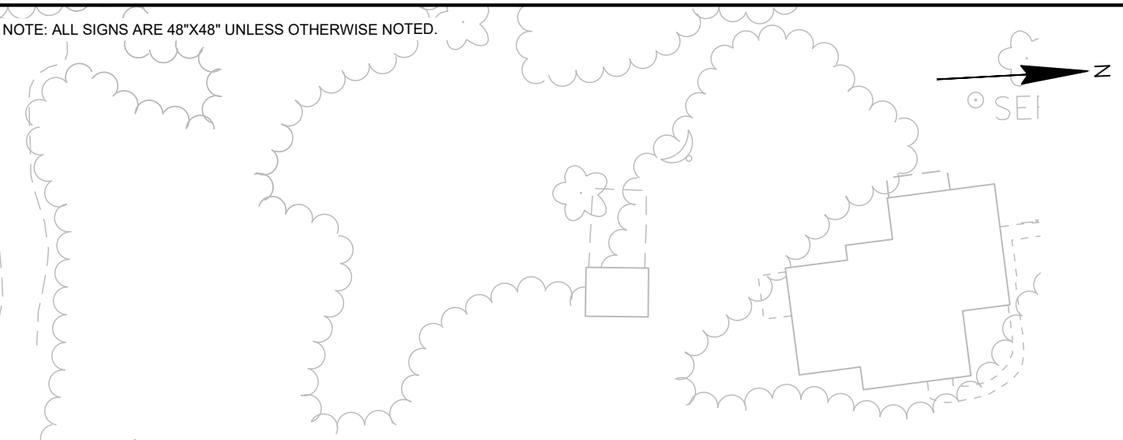
PLOT DATE : 10/22/2025 11:12 AM PLOT BY : HABERKORN, DEVEN PLOT NAME : PLOT SCALE : ##########

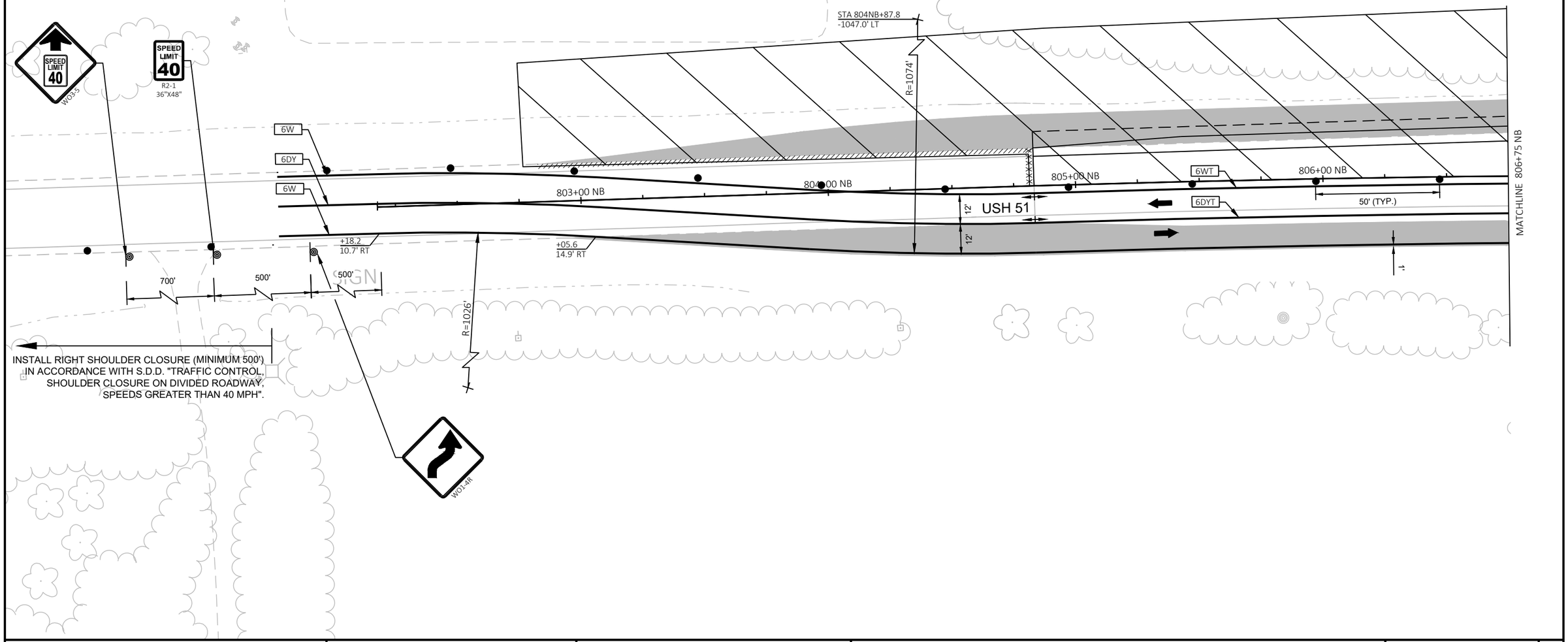
2

LEGEND

- TEMPORARY PAVEMENT PLACED IN PREVIOUS STAGE
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES; 3.5-INCHES ASPHALTIC SURFACE TEMPORARY, OVER 10-INCHES BASE AGGREGATE DENSE 1 1/4 -INCH
- WORK ZONE
- SAWING ASPHALT REQ'D
- SAWING CONCRETE REQ'D
- TRAFFIC CONTROL DRUMS (WITH/WITHOUT LIGHT, TYPE C)
- TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER POSTS/BASES
- TRAFFIC CONTROL SIGNS (MOUNTED ON TEMPORARY SUPPORT)
- TRAFFIC CONTROL BARRICADES TYPE III (WITH/WITHOUT SIGN)
- MARKING REMOVAL LINE WATER BLASTING
- TRAFFIC CONTROL CONNECTED ARROW BOARDS
- TRAFFIC FLOW ARROW
- 6W TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE)
- 6WT TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
- 6DY TEMPORARY MARKING LINE EPOXY 6-INCH (DOUBLE YELLOW)
- 6DYT TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (DOUBLE YELLOW)
- 6Y TEMPORARY MARKING LINE EPOXY 6-INCH (YELLOW)
- 6YT TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
- 18W TEMPORARY MARKING STOP LINE EPOXY 18-INCH (WHITE)
- 18WT TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH (WHITE)

NOTE: ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED.





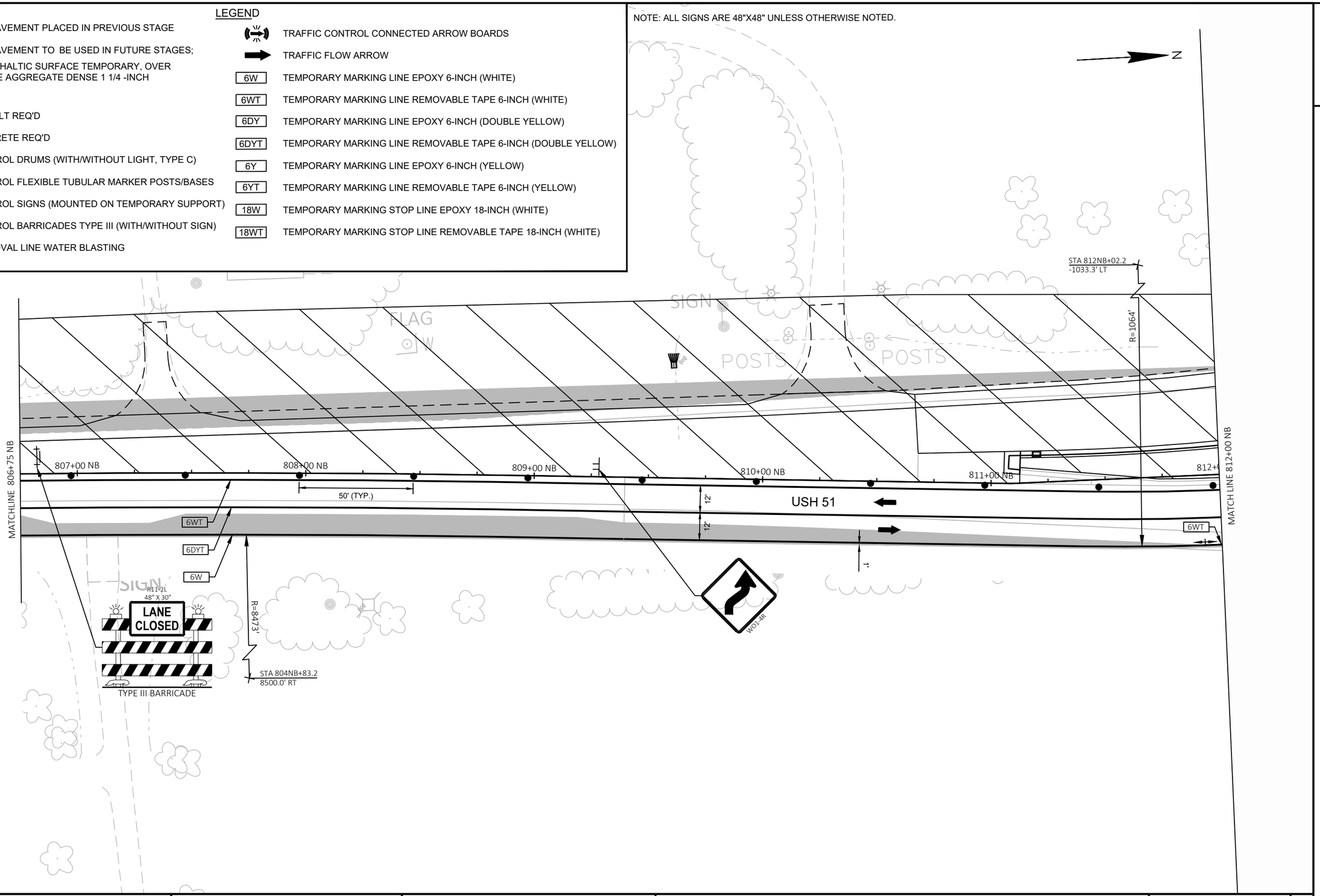
PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	TRAFFIC CONTROL - STAGE 3	SHEET 129	E

2

LEGEND

- TEMPORARY PAVEMENT PLACED IN PREVIOUS STAGE
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES; 3.5-INCHES ASPHALTIC SURFACE TEMPORARY, OVER 10-INCHES BASE AGGREGATE DENSE 1 1/4 -INCH
- WORK ZONE
- SAWING ASPHALT REQ'D
- SAWING CONCRETE REQ'D
- TRAFFIC CONTROL DRUMS (WITH/WITHOUT LIGHT, TYPE C)
- TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER POSTS/BASES
- TRAFFIC CONTROL SIGNS (MOUNTED ON TEMPORARY SUPPORT)
- TRAFFIC CONTROL BARRICADES TYPE III (WITH/WITHOUT SIGN)
- MARKING REMOVAL LINE WATER BLASTING
- TRAFFIC CONTROL CONNECTED ARROW BOARDS
- TRAFFIC FLOW ARROW
- 6W TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE)
- 6WT TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
- 6DY TEMPORARY MARKING LINE EPOXY 6-INCH (DOUBLE YELLOW)
- 6DYT TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (DOUBLE YELLOW)
- 6Y TEMPORARY MARKING LINE EPOXY 6-INCH (YELLOW)
- 6YT TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
- 18W TEMPORARY MARKING STOP LINE EPOXY 18-INCH (WHITE)
- 18WT TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH (WHITE)

NOTE: ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED.



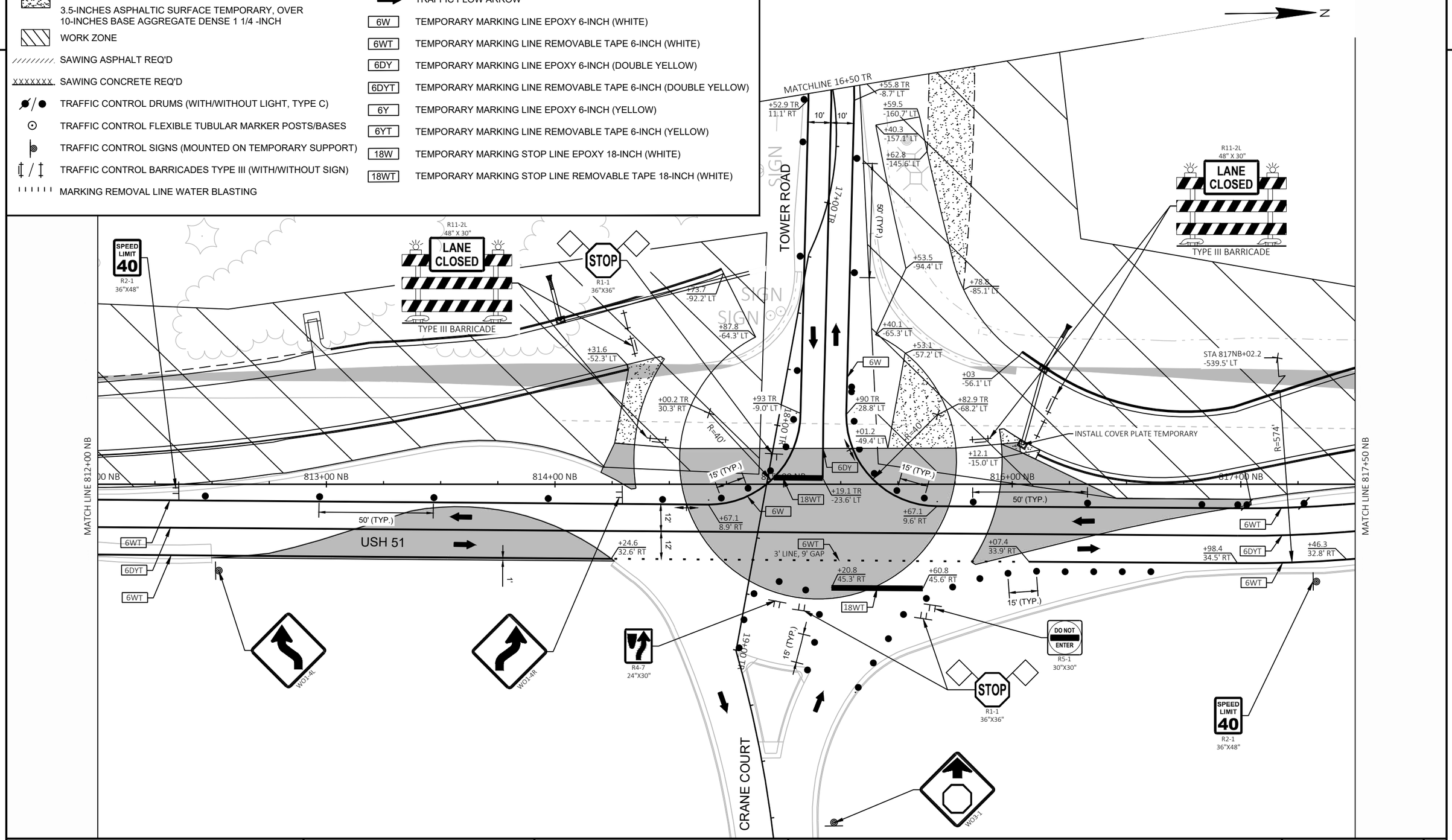
PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	TRAFFIC CONTROL - STAGE 3	SHEET 130	E

2

LEGEND

- TEMPORARY PAVEMENT PLACED IN PREVIOUS STAGE
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES; 3.5-INCHES ASPHALTIC SURFACE TEMPORARY, OVER 10-INCHES BASE AGGREGATE DENSE 1 1/4 -INCH
- WORK ZONE
- SAWING ASPHALT REQ'D
- SAWING CONCRETE REQ'D
- TRAFFIC CONTROL DRUMS (WITH/WITHOUT LIGHT, TYPE C)
- TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER POSTS/BASES
- TRAFFIC CONTROL SIGNS (MOUNTED ON TEMPORARY SUPPORT)
- TRAFFIC CONTROL BARRICADES TYPE III (WITH/WITHOUT SIGN)
- MARKING REMOVAL LINE WATER BLASTING
- TRAFFIC CONTROL CONNECTED ARROW BOARDS
- TRAFFIC FLOW ARROW
- 6W TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE)
- 6WT TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
- 6DY TEMPORARY MARKING LINE EPOXY 6-INCH (DOUBLE YELLOW)
- 6DYT TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (DOUBLE YELLOW)
- 6Y TEMPORARY MARKING LINE EPOXY 6-INCH (YELLOW)
- 6YT TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
- 18W TEMPORARY MARKING STOP LINE EPOXY 18-INCH (WHITE)
- 18WT TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH (WHITE)

NOTE: ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED.



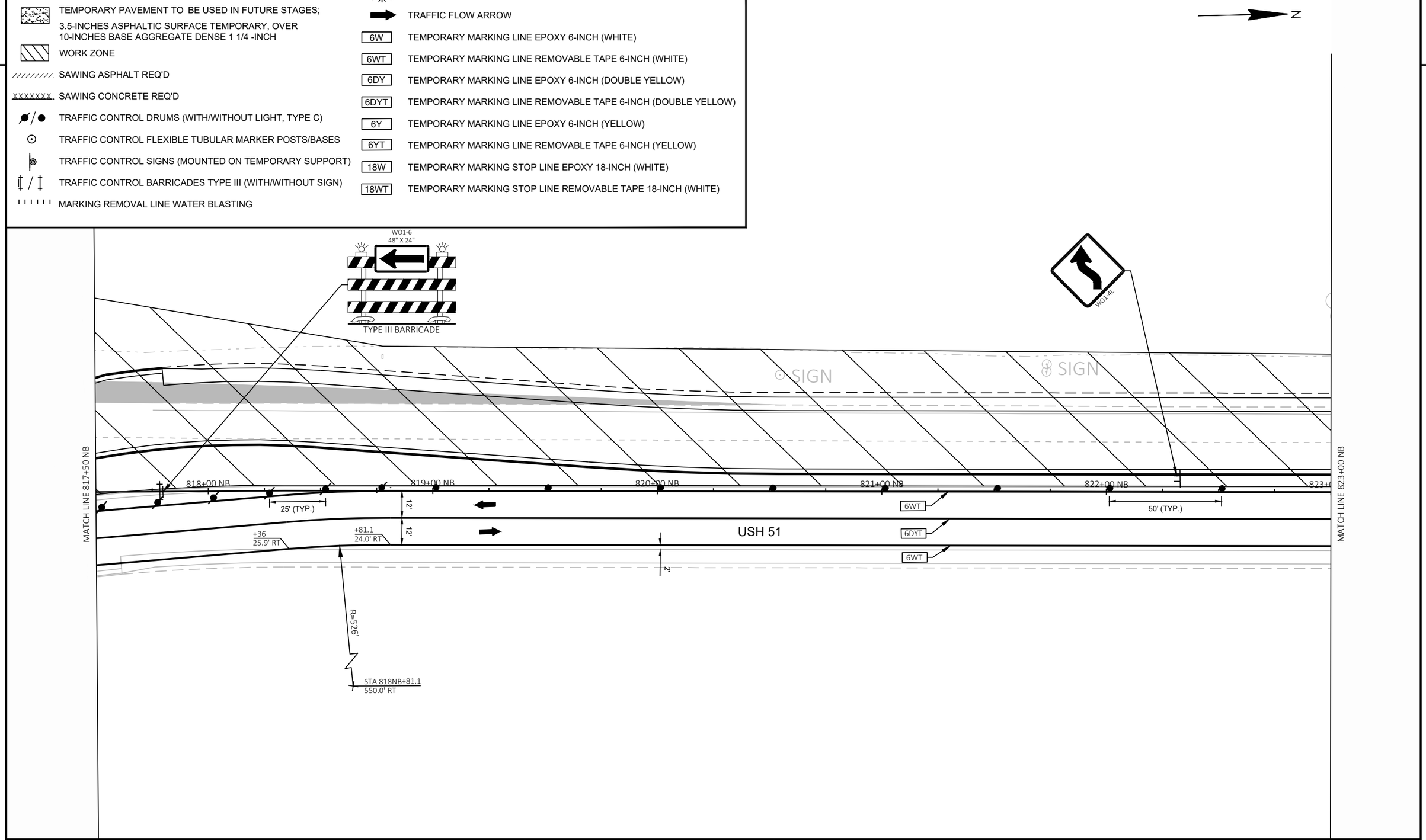
PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	TRAFFIC CONTROL - STAGE 3	SHEET 131	E

2

LEGEND

- TEMPORARY PAVEMENT PLACED IN PREVIOUS STAGE
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES; 3.5-INCHES ASPHALTIC SURFACE TEMPORARY, OVER 10-INCHES BASE AGGREGATE DENSE 1 1/4 -INCH
- WORK ZONE
- SAWING ASPHALT REQ'D
- SAWING CONCRETE REQ'D
- TRAFFIC CONTROL DRUMS (WITH/WITHOUT LIGHT, TYPE C)
- TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER POSTS/BASES
- TRAFFIC CONTROL SIGNS (MOUNTED ON TEMPORARY SUPPORT)
- TRAFFIC CONTROL BARRICADES TYPE III (WITH/WITHOUT SIGN)
- MARKING REMOVAL LINE WATER BLASTING
- TRAFFIC CONTROL CONNECTED ARROW BOARDS
- TRAFFIC FLOW ARROW
- 6W TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE)
- 6WT TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
- 6DY TEMPORARY MARKING LINE EPOXY 6-INCH (DOUBLE YELLOW)
- 6DYT TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (DOUBLE YELLOW)
- 6Y TEMPORARY MARKING LINE EPOXY 6-INCH (YELLOW)
- 6YT TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
- 18W TEMPORARY MARKING STOP LINE EPOXY 18-INCH (WHITE)
- 18WT TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH (WHITE)

NOTE: ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED.



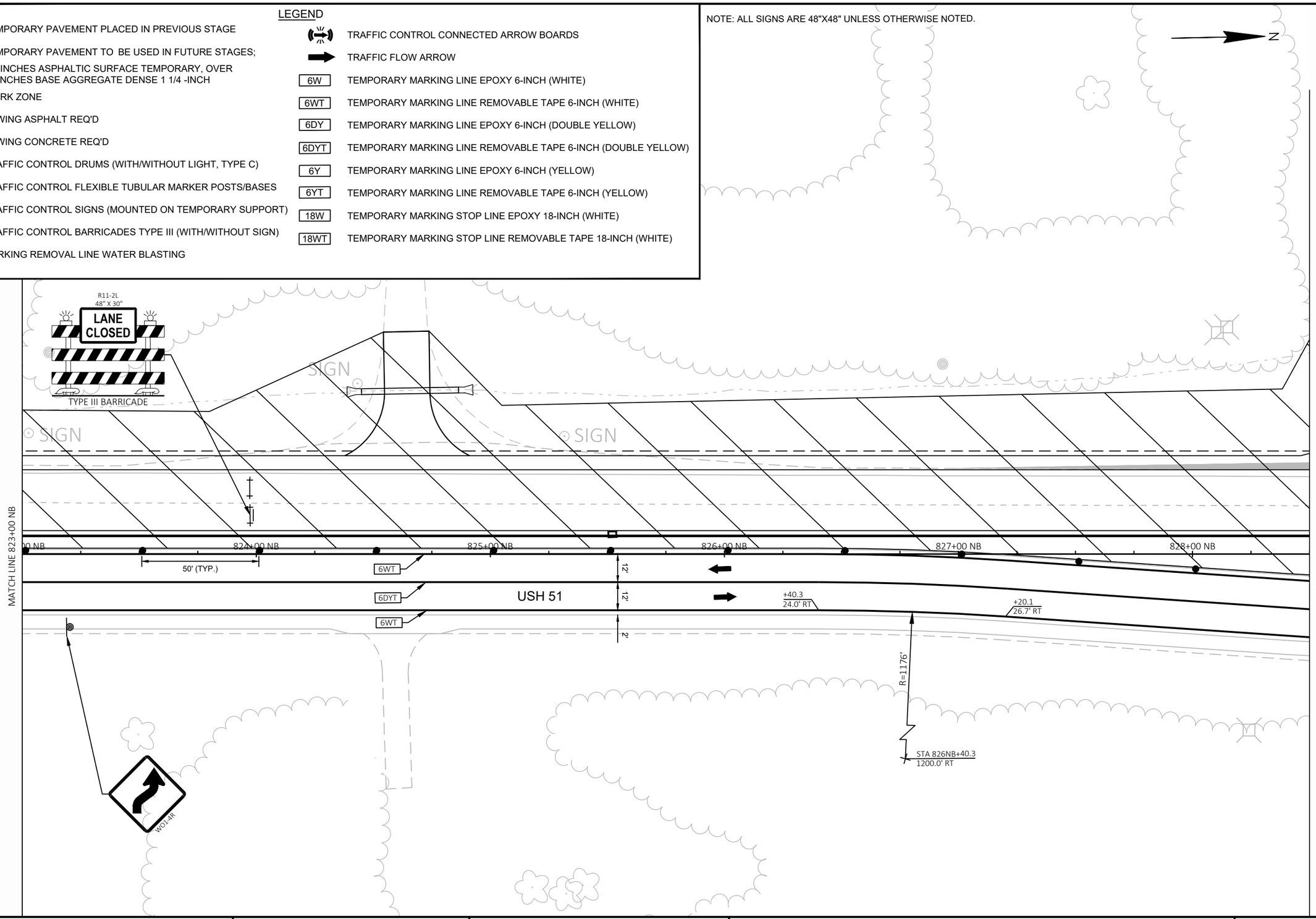
PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	TRAFFIC CONTROL - STAGE 3	SHEET 132	E

2

LEGEND

- TEMPORARY PAVEMENT PLACED IN PREVIOUS STAGE
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES; 3.5-INCHES ASPHALTIC SURFACE TEMPORARY, OVER 10-INCHES BASE AGGREGATE DENSE 1 1/4 -INCH
- WORK ZONE
- SAWING ASPHALT REQ'D
- SAWING CONCRETE REQ'D
- TRAFFIC CONTROL DRUMS (WITH/WITHOUT LIGHT, TYPE C)
- TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER POSTS/BASES
- TRAFFIC CONTROL SIGNS (MOUNTED ON TEMPORARY SUPPORT)
- TRAFFIC CONTROL BARRICADES TYPE III (WITH/WITHOUT SIGN)
- MARKING REMOVAL LINE WATER BLASTING
- TRAFFIC CONTROL CONNECTED ARROW BOARDS
- TRAFFIC FLOW ARROW
- 6W TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE)
- 6WT TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
- 6DY TEMPORARY MARKING LINE EPOXY 6-INCH (DOUBLE YELLOW)
- 6DYT TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (DOUBLE YELLOW)
- 6Y TEMPORARY MARKING LINE EPOXY 6-INCH (YELLOW)
- 6YT TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
- 18W TEMPORARY MARKING STOP LINE EPOXY 18-INCH (WHITE)
- 18WT TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH (WHITE)

NOTE: ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED.



PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	TRAFFIC CONTROL - STAGE 3	SHEET 133	E

FILE NAME : S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\026001-S3.DWG
LAYOUT NAME - 026005-s3

PLOT DATE : 10/22/2025 11:13 AM PLOT BY : HABERKORN, DEVEN PLOT NAME : PLOT SCALE : 1 IN:40 FT

NOTE: ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED.

N

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

WO1-4R

SPEED LIMIT 40
R2-1
36"X48"

INSTALL COVER PLATE TEMPORARY

STA 829NB+18.0
-535.2' LT

STA 833NB+05.9
-530.2' LT

+91
-30.1' LT

R3-2
24"X24"

USH 51

R=574'

R=574'

MATCH LINE 828+50 NB

MATCH LINE 834+00 NB

829+00 NB

830+00 NB

831+00 NB

832+00 NB

833+00 NB

6WT

50' (TYP.)

12'

12'

4'

+79
37.5' RT

+03.1
38.6' RT

6DYT

6WT

USH 51

+80.4
42.8' RT

6WT
3' LINE, 9' GAP

15' (TYP.)

5' (TYP.)

+74.1
44.0' RT

+21.6
43.6' RT

6WT

+88.6
56.4' RT

+39.1
56.3' RT

18WT

15' (TYP.)

WO1-4L

R3-2
24"X24"

10+00 EX

15' (TYP.)

DO NOT ENTER
R5-1
30"X30"

STOP
R1-1
36"X36"

WO3-1

WO1-6
48" X 24"
TYPE III BARRICADE

POST

POST

SEPC

W

11+00 EX

LEGEND

- TEMPORARY PAVEMENT PLACED IN PREVIOUS STAGE
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES; 3.5-INCHES ASPHALTIC SURFACE TEMPORARY, OVER 10-INCHES BASE AGGREGATE DENSE 1 1/4 -INCH
- WORK ZONE
- SAWING ASPHALT REQ'D
- SAWING CONCRETE REQ'D
- TRAFFIC CONTROL DRUMS (WITH/WITHOUT LIGHT, TYPE C)
- TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER POSTS/BASES
- TRAFFIC CONTROL SIGNS (MOUNTED ON TEMPORARY SUPPORT)
- TRAFFIC CONTROL BARRICADES TYPE III (WITH/WITHOUT SIGN)
- MARKING REMOVAL LINE WATER BLASTING
- TRAFFIC CONTROL CONNECTED ARROW BOARDS
- TRAFFIC FLOW ARROW
- 6W — TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE)
- 6WT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
- 6DY — TEMPORARY MARKING LINE EPOXY 6-INCH (DOUBLE YELLOW)
- 6DYT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (DOUBLE YELLOW)
- 6Y — TEMPORARY MARKING LINE EPOXY 6-INCH (YELLOW)
- 6YT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
- 18W — TEMPORARY MARKING STOP LINE EPOXY 18-INCH (WHITE)
- 18WT — TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH (WHITE)

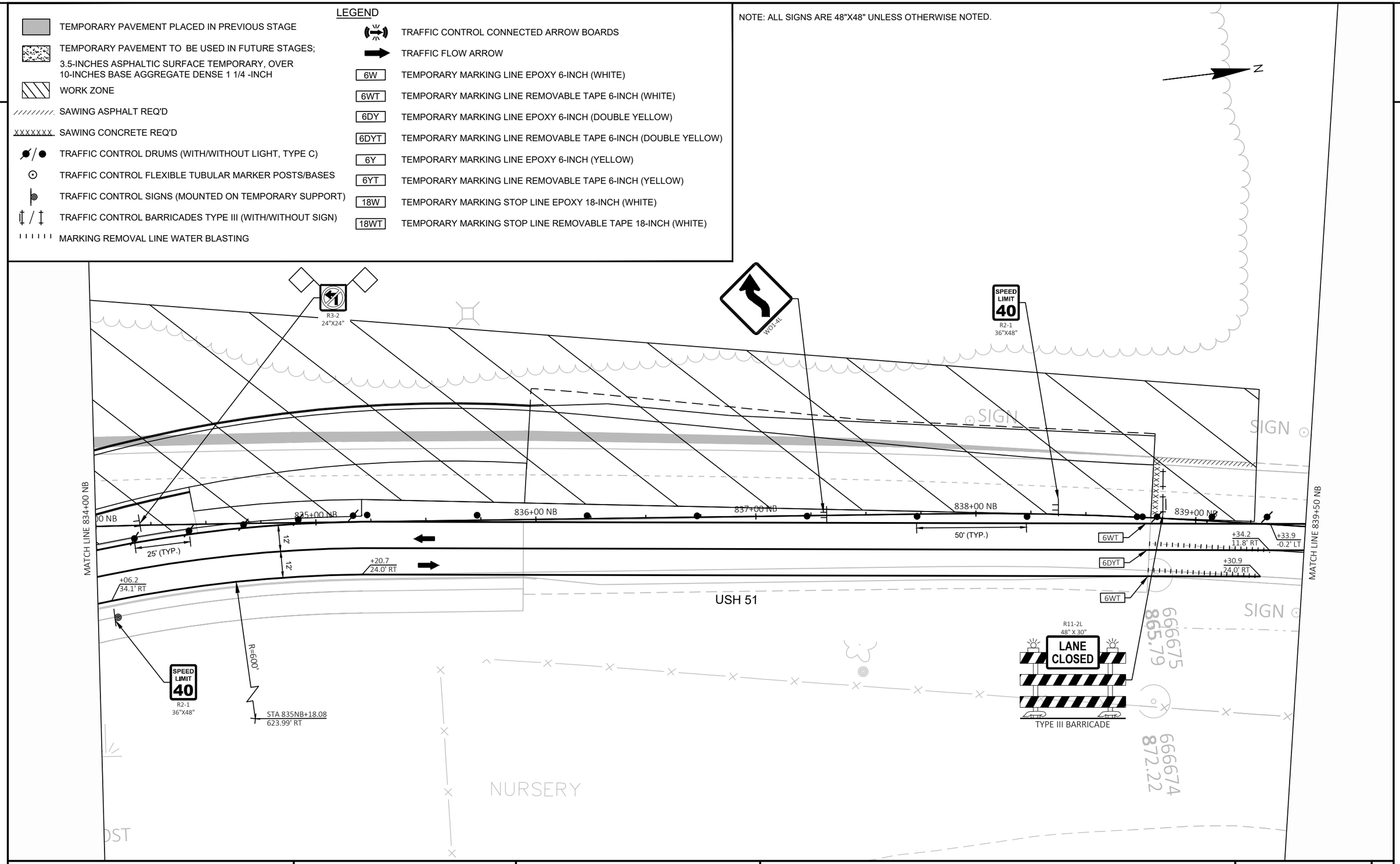
PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	TRAFFIC CONTROL - STAGE 3	SHEET 134 E

2

LEGEND

- TEMPORARY PAVEMENT PLACED IN PREVIOUS STAGE
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES; 3.5-INCHES ASPHALTIC SURFACE TEMPORARY, OVER 10-INCHES BASE AGGREGATE DENSE 1 1/4 -INCH
- WORK ZONE
- SAWING ASPHALT REQ'D
- SAWING CONCRETE REQ'D
- TRAFFIC CONTROL DRUMS (WITH/WITHOUT LIGHT, TYPE C)
- TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER POSTS/BASES
- TRAFFIC CONTROL SIGNS (MOUNTED ON TEMPORARY SUPPORT)
- TRAFFIC CONTROL BARRICADES TYPE III (WITH/WITHOUT SIGN)
- MARKING REMOVAL LINE WATER BLASTING
- TRAFFIC CONTROL CONNECTED ARROW BOARDS
- TRAFFIC FLOW ARROW
- 6W — TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE)
- 6WT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
- 6DY — TEMPORARY MARKING LINE EPOXY 6-INCH (DOUBLE YELLOW)
- 6DYT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (DOUBLE YELLOW)
- 6Y — TEMPORARY MARKING LINE EPOXY 6-INCH (YELLOW)
- 6YT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
- 18W — TEMPORARY MARKING STOP LINE EPOXY 18-INCH (WHITE)
- 18WT — TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH (WHITE)

NOTE: ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED.

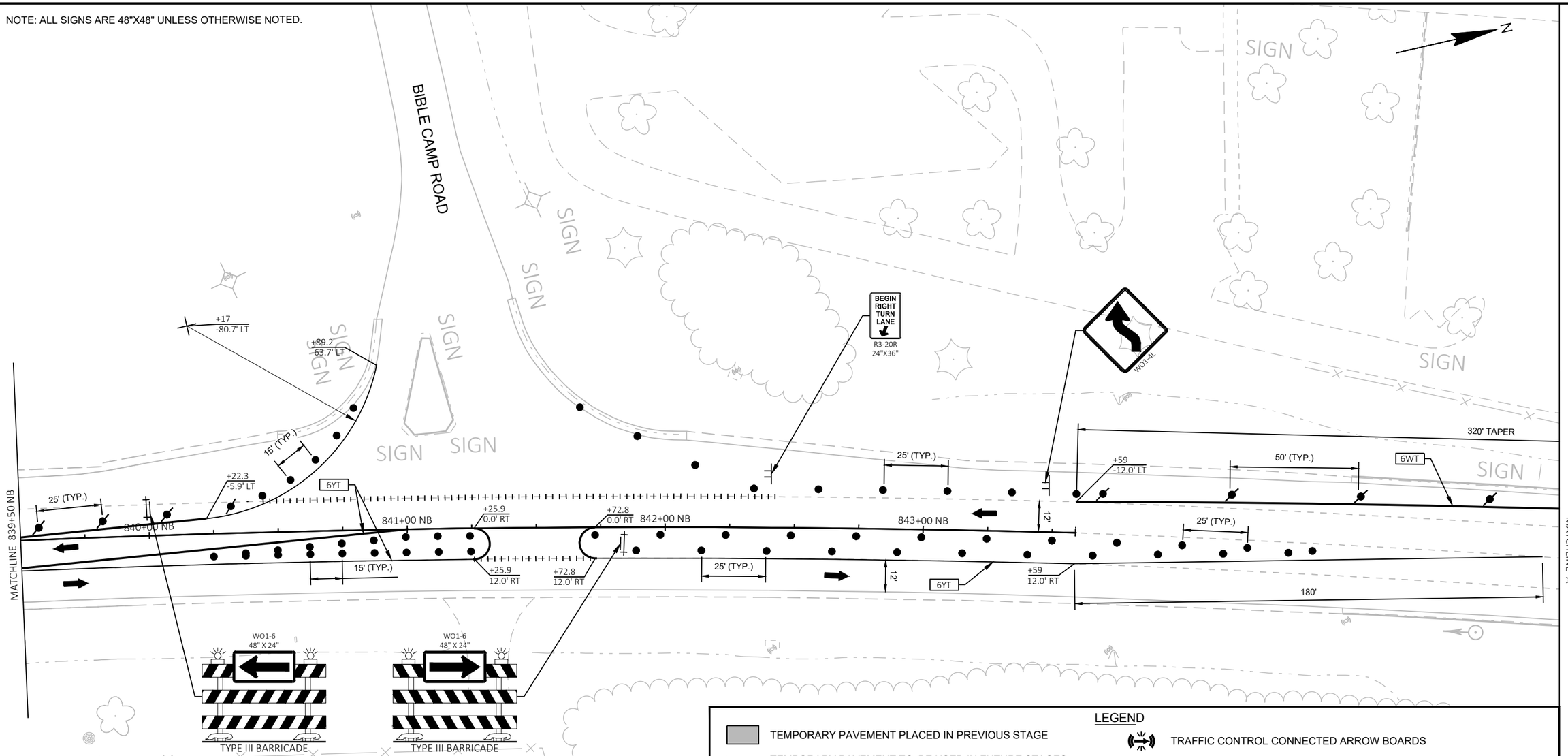


PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	TRAFFIC CONTROL - STAGE 3	SHEET 135	E

FILE NAME : S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\026001-S3.DWG
LAYOUT NAME - 026007-s3

PLOT DATE : 10/22/2025 11:13 AM PLOT BY : HABERKORN, DEVEN PLOT NAME : PLOT SCALE : 1 IN:40 FT

NOTE: ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED.



SEE FOLLOWING SDD's FOR ADDITIONAL INFORMATION:
"TRAFFIC CONTROL, SINGLE LANE CLOSURE, NON-FREEWAY/EXPRESSWAY"

LEGEND

- TEMPORARY PAVEMENT PLACED IN PREVIOUS STAGE
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES; 3.5-INCHES ASPHALTIC SURFACE TEMPORARY, OVER 10-INCHES BASE AGGREGATE DENSE 1 1/4 -INCH
- WORK ZONE
- SAWING ASPHALT REQ'D
- SAWING CONCRETE REQ'D
- TRAFFIC CONTROL DRUMS (WITH/WITHOUT LIGHT, TYPE C)
- TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER POSTS/BASES
- TRAFFIC CONTROL SIGNS (MOUNTED ON TEMPORARY SUPPORT)
- TRAFFIC CONTROL BARRICADES TYPE III (WITH/WITHOUT SIGN)
- MARKING REMOVAL LINE WATER BLASTING
- TRAFFIC CONTROL CONNECTED ARROW BOARDS
- TRAFFIC FLOW ARROW
- 6W TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE)
- 6WT TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
- 6DY TEMPORARY MARKING LINE EPOXY 6-INCH (DOUBLE YELLOW)
- 6DYT TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (DOUBLE YELLOW)
- 6Y TEMPORARY MARKING LINE EPOXY 6-INCH (YELLOW)
- 6YT TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
- 18W TEMPORARY MARKING STOP LINE EPOXY 18-INCH (WHITE)
- 18WT TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH (WHITE)

PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	TRAFFIC CONTROL - STAGE 3	SHEET 136 E

FILE NAME : S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\026001-S3.DWG
LAYOUT NAME - 026008-s3
PLOT DATE : 10/22/2025 11:13 AM PLOT BY : HABERKORN, DEVEN PLOT NAME : PLOT SCALE : ##########

2

LEGEND

- TEMPORARY PAVEMENT PLACED IN PREVIOUS STAGE
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES; 3.5-INCHES ASPHALTIC SURFACE TEMPORARY, OVER 10-INCHES BASE AGGREGATE DENSE 1 1/4 -INCH
- WORK ZONE
- SAWING ASPHALT REQ'D
- SAWING CONCRETE REQ'D
- TRAFFIC CONTROL DRUMS (WITH/WITHOUT LIGHT, TYPE C)
- TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER POSTS/BASES
- TRAFFIC CONTROL SIGNS (MOUNTED ON TEMPORARY SUPPORT)
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- MARKING REMOVAL LINE WATER BLASTING
- TRAFFIC CONTROL CONNECTED ARROW BOARDS
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- 6W — TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE)
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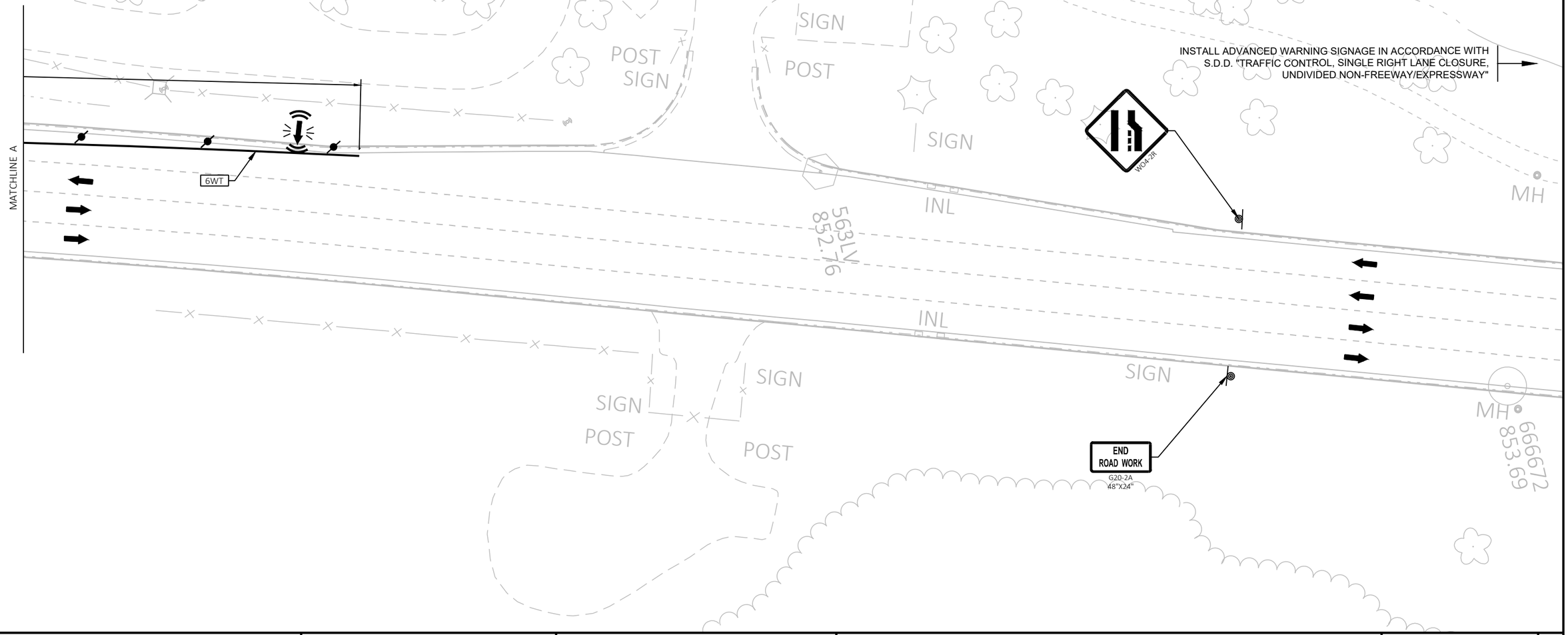
- 6DYT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (DOUBLE YELLOW)
- 6Y — TEMPORARY MARKING LINE EPOXY 6-INCH (YELLOW)
- 6YT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
- 18W — TEMPORARY MARKING STOP LINE EPOXY 18-INCH (WHITE)
- 18WT — TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH (WHITE)

NOTE: ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED.

N



PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	TRAFFIC CONTROL - STAGE 3	SHEET 137	E

FILE NAME : S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\026001-S3.DWG
LAYOUT NAME - 026009-s3

PLOT DATE : 10/22/2025 11:13 AM PLOT BY : HABERKORN, DEVEN PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 42

2

LEGEND

- TEMPORARY PAVEMENT PLACED IN PREVIOUS STAGE
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES; 3.5-INCHES ASPHALTIC SURFACE TEMPORARY, OVER 10-INCHES BASE AGGREGATE DENSE 1 1/4 -INCH
- WORK ZONE
- SAWING ASPHALT REQ'D
- SAWING CONCRETE REQ'D
- TRAFFIC CONTROL DRUMS (WITH/WITHOUT LIGHT, TYPE C)
- TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER POSTS/BASES
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- 6WT TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
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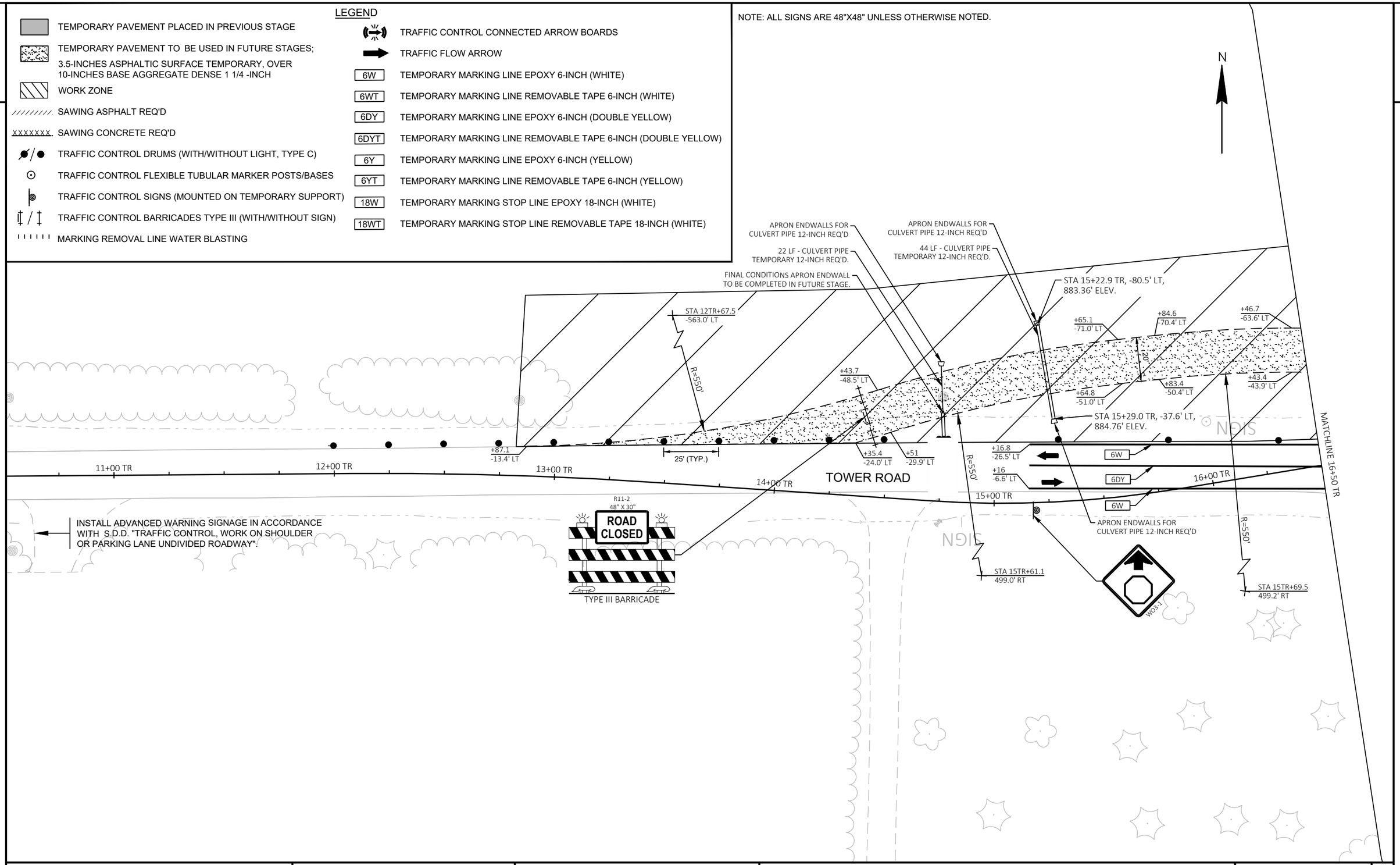
- 6Y TEMPORARY MARKING LINE EPOXY 6-INCH (YELLOW)
- 6YT TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
- 18W TEMPORARY MARKING STOP LINE EPOXY 18-INCH (WHITE)
- 18WT TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH (WHITE)

NOTE: ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED.



PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	TRAFFIC CONTROL - STAGE 3	SHEET 138	E

FILE NAME : S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\026001-S3.DWG
LAYOUT NAME - 026010-s3
PLOT DATE : 10/22/2025 11:13 AM PLOT BY : HABERKORN, DEVEN PLOT NAME : PLOT SCALE : ##########
WISDOT/CADDS SHEET 42

2

LEGEND

- TEMPORARY PAVEMENT PLACED IN PREVIOUS STAGE
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES; 3.5-INCHES ASPHALTIC SURFACE TEMPORARY, OVER 10-INCHES BASE AGGREGATE DENSE 1 1/4 -INCH
- WORK ZONE
- SAWING ASPHALT REQ'D
- SAWING CONCRETE REQ'D
- TRAFFIC CONTROL DRUMS (WITH/WITHOUT LIGHT, TYPE C)
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- 6YT TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
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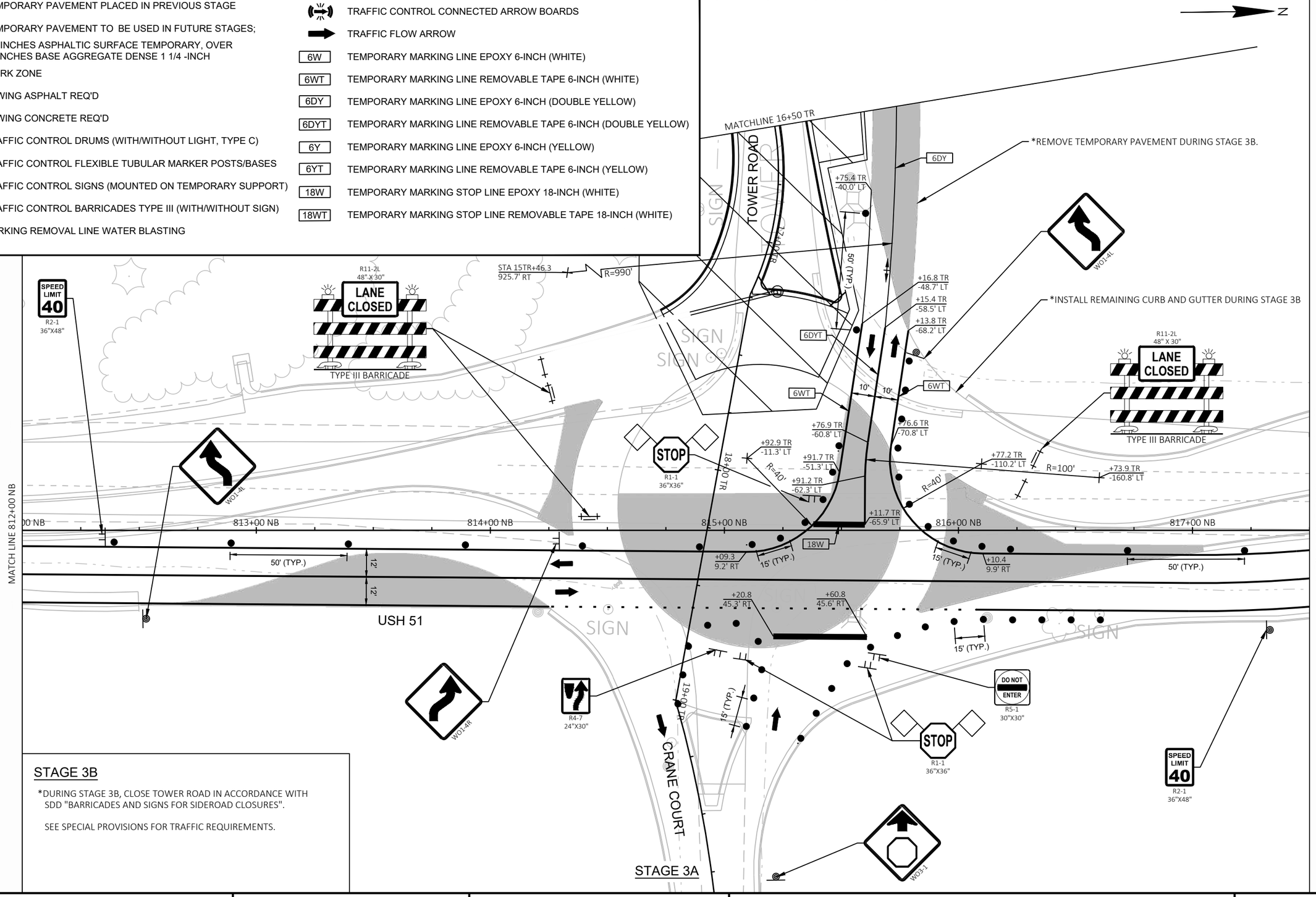
- 18WT TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH (WHITE)

NOTE: ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED.



STAGE 3B

*DURING STAGE 3B, CLOSE TOWER ROAD IN ACCORDANCE WITH SDD "BARRICADES AND SIGNS FOR SIDEROAD CLOSURES".

SEE SPECIAL PROVISIONS FOR TRAFFIC REQUIREMENTS.

PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	TRAFFIC CONTROL - STAGE 3A/B	SHEET 139	E

FILE NAME : S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\026001-S3A.DWG
LAYOUT NAME - 026002-s3a

PLOT DATE : 10/22/2025 11:13 AM PLOT BY : HABERKORN, DEVEN PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- TEMPORARY PAVEMENT PLACED IN PREVIOUS STAGE
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES; 3.5-INCHES ASPHALTIC SURFACE TEMPORARY, OVER 10-INCHES BASE AGGREGATE DENSE 1 1/4 -INCH
- WORK ZONE
- SAWING ASPHALT REQ'D
- SAWING CONCRETE REQ'D
- TRAFFIC CONTROL DRUMS (WITH/WITHOUT LIGHT, TYPE C)
- TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER POSTS/BASES
- TRAFFIC CONTROL SIGNS (MOUNTED ON TEMPORARY SUPPORT)
- TRAFFIC CONTROL BARRICADES TYPE III (WITH/WITHOUT SIGN)
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- TRAFFIC CONTROL CONNECTED ARROW BOARDS
- TRAFFIC FLOW ARROW
- 6W TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE)
- 6WT TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
- 6DY TEMPORARY MARKING LINE EPOXY 6-INCH (DOUBLE YELLOW)
- 6DYT TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (DOUBLE YELLOW)
- 6Y TEMPORARY MARKING LINE EPOXY 6-INCH (YELLOW)
- 6YT TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
- 18W TEMPORARY MARKING STOP LINE EPOXY 18-INCH (WHITE)
- 18WT TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH (WHITE)

NOTE: ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED.

2

N

*REMOVE TEMPORARY PAVEMENT DURING STAGE 3B

*INSTALL HMA SHOULDER DURING STAGE 3B

*REMOVE TEMPORARY CULVERT PIPE AND INSTALL CULVERT ENDWALL

*SEE PLAN DETAILS AND CROSS SECTIONS FOR ADDITIONAL LAYOUT INFORMATION.

STA 12TR+67.5
-563.0' LT

R=560'

+65
-61.0' LT

+84
-60.4' LT

+45
-53.8' LT

50' (TYP.)

+47.4
-39.2' LT

10'

10'

+35.4
-24.0' LT

6DY

6W

+87.6
-3.4' LT

+88.1
8.5' RT

+35.3
1.8' RT

11+00 TR

12+00 TR

13+00 TR

14+00 TR

15+00 TR

16+00 TR

TOWER ROAD

500'

MATCHLINE 16+50 TR

INSTALL ADVANCED WARNING SIGNAGE IN ACCORDANCE WITH S.D.D. "TRAFFIC CONTROL, ADVANCED WARNING SIGNS 45 MPH OR GREATER UNDIVIDED ROAD OPEN TO TRAFFIC".

WO1-4L

35 MPH

WO13-1
36"X36"

WO1-6
48" X 24"

TYPE III BARRICADE

R11-2
48" X 30"

ROAD CLOSED

TYPE III BARRICADE

*REMOVE EXISTING CULVERT AND INSTALL CULVERT PIPE

R=560'

STA 15TR+61.1
499.0' RT

WO3-1

R=560'

STA 15TR+69.5
499.2' RT

STAGE 3A

STAGE 3B

*DURING STAGE 3B, CLOSE TOWER ROAD IN ACCORDANCE WITH SDD "BARRICADES AND SIGNS FOR SIDEROAD CLOSURES".

SEE SPECIAL PROVISIONS FOR TRAFFIC REQUIREMENTS.

PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	TRAFFIC CONTROL - STAGE 3A/B	SHEET 140	E

FILE NAME : S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\026001-S3A.DWG
LAYOUT NAME - 026003-s3a

PLOT DATE : 10/22/2025 11:13 AM PLOT BY : HABERKORN, DEVEN PLOT NAME : PLOT SCALE : ##########

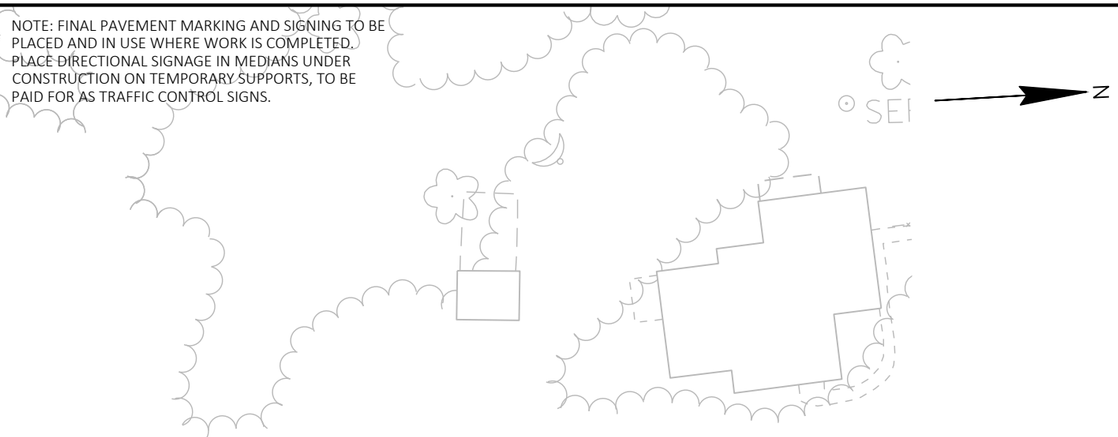
WISDOT/CADDS SHEET 42

2

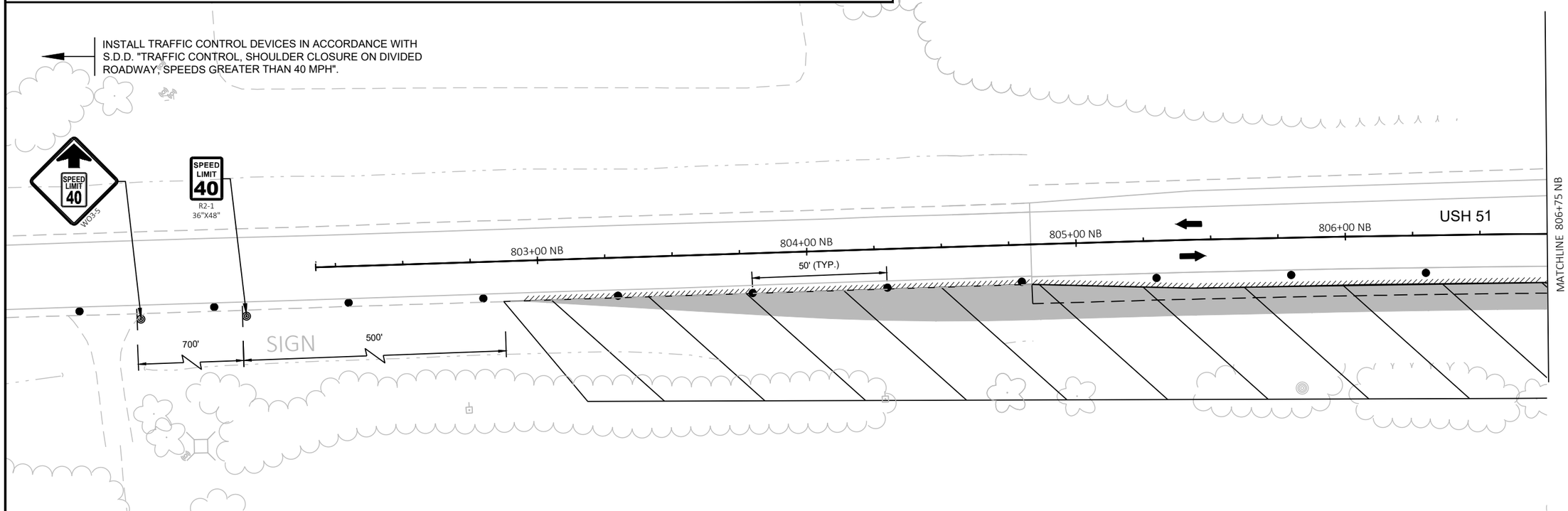
LEGEND

- TEMPORARY PAVEMENT PLACED IN PREVIOUS STAGE
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES; 3.5-INCHES ASPHALTIC SURFACE TEMPORARY, OVER 10-INCHES BASE AGGREGATE DENSE 1 1/4 -INCH
- WORK ZONE
- SAWING ASPHALT REQ'D
- SAWING CONCRETE REQ'D
- TRAFFIC CONTROL DRUMS (WITH/WITHOUT LIGHT, TYPE C)
- TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER POSTS/BASES
- TRAFFIC CONTROL SIGNS (MOUNTED ON TEMPORARY SUPPORT)
- TRAFFIC CONTROL BARRICADES TYPE III (WITH/WITHOUT SIGN)
- MARKING REMOVAL LINE WATER BLASTING
- TRAFFIC CONTROL CONNECTED ARROW BOARDS
- TRAFFIC FLOW ARROW
- 6W — TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE)
- 6WT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
- 6DY — TEMPORARY MARKING LINE EPOXY 6-INCH (DOUBLE YELLOW)
- 6DYT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (DOUBLE YELLOW)
- 6Y — TEMPORARY MARKING LINE EPOXY 6-INCH (YELLOW)
- 6YT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
- 18W — TEMPORARY MARKING STOP LINE EPOXY 18-INCH (WHITE)
- 18WT — TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH (WHITE)

NOTE: FINAL PAVEMENT MARKING AND SIGNING TO BE PLACED AND IN USE WHERE WORK IS COMPLETED. PLACE DIRECTIONAL SIGNAGE IN MEDIANS UNDER CONSTRUCTION ON TEMPORARY SUPPORTS, TO BE PAID FOR AS TRAFFIC CONTROL SIGNS.



INSTALL TRAFFIC CONTROL DEVICES IN ACCORDANCE WITH S.D.D. "TRAFFIC CONTROL, SHOULDER CLOSURE ON DIVIDED ROADWAY, SPEEDS GREATER THAN 40 MPH".



NOTE: ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED.

PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	TRAFFIC CONTROL - STAGE 4	SHEET 141	E

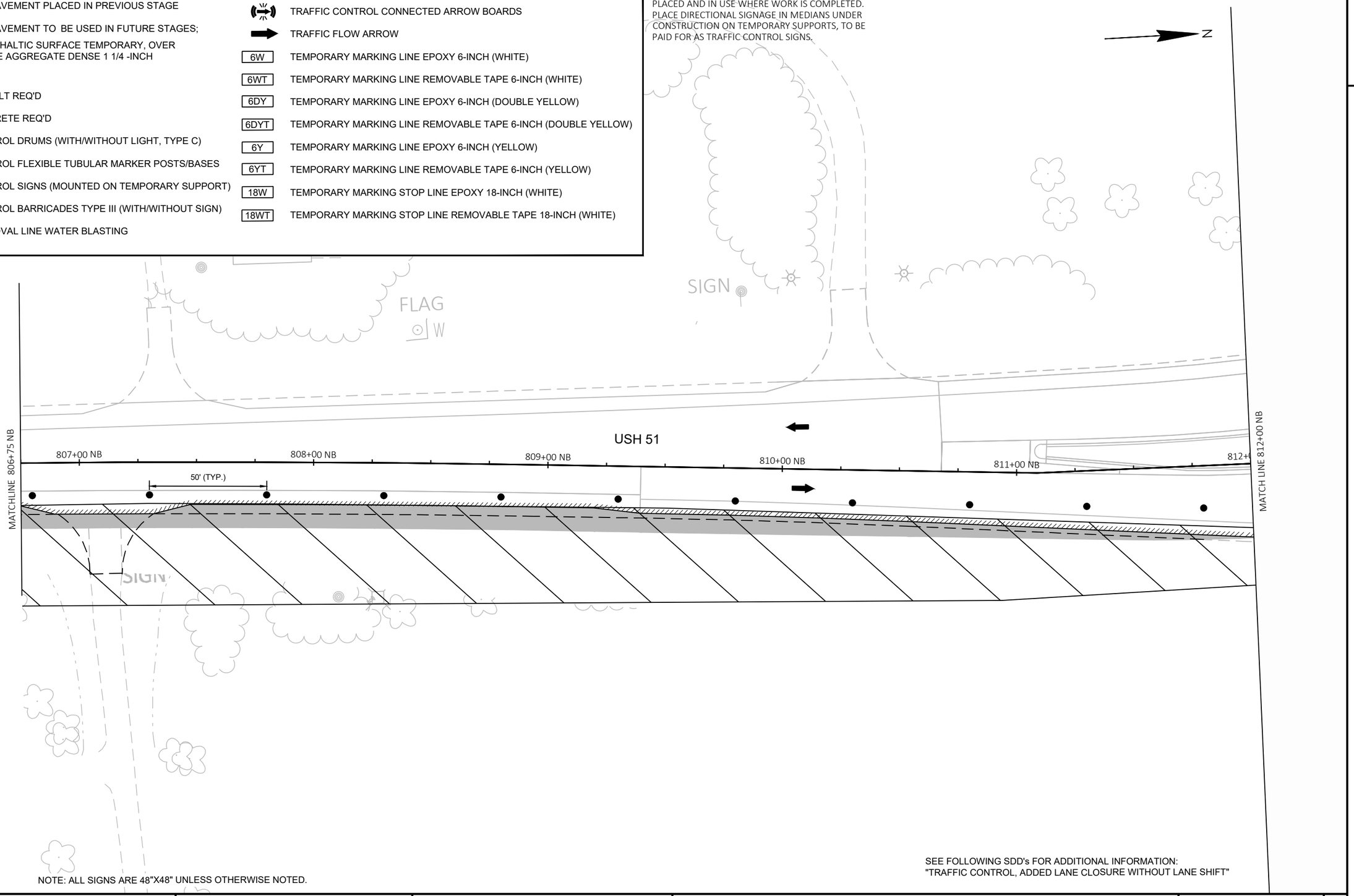
FILE NAME : S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\026001-S4.DWG
LAYOUT NAME - 026001-s4
PLOT DATE : 10/22/2025 11:14 AM PLOT BY : HABERKORN, DEVEN PLOT NAME : PLOT SCALE : ##########
WISDOT/CADDS SHEET 42

2

LEGEND

- TEMPORARY PAVEMENT PLACED IN PREVIOUS STAGE
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES; 3.5-INCHES ASPHALTIC SURFACE TEMPORARY, OVER 10-INCHES BASE AGGREGATE DENSE 1 1/4 -INCH
- WORK ZONE
- SAWING ASPHALT REQ'D
- SAWING CONCRETE REQ'D
- TRAFFIC CONTROL DRUMS (WITH/WITHOUT LIGHT, TYPE C)
- TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER POSTS/BASES
- TRAFFIC CONTROL SIGNS (MOUNTED ON TEMPORARY SUPPORT)
- TRAFFIC CONTROL BARRICADES TYPE III (WITH/WITHOUT SIGN)
- MARKING REMOVAL LINE WATER BLASTING
- TRAFFIC CONTROL CONNECTED ARROW BOARDS
- TRAFFIC FLOW ARROW
- 6W — TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE)
- 6WT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
- 6DY — TEMPORARY MARKING LINE EPOXY 6-INCH (DOUBLE YELLOW)
- 6DYT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (DOUBLE YELLOW)
- 6Y — TEMPORARY MARKING LINE EPOXY 6-INCH (YELLOW)
- 6YT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
- 18W — TEMPORARY MARKING STOP LINE EPOXY 18-INCH (WHITE)
- 18WT — TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH (WHITE)

NOTE: FINAL PAVEMENT MARKING AND SIGNING TO BE PLACED AND IN USE WHERE WORK IS COMPLETED. PLACE DIRECTIONAL SIGNAGE IN MEDIANS UNDER CONSTRUCTION ON TEMPORARY SUPPORTS, TO BE PAID FOR AS TRAFFIC CONTROL SIGNS.



NOTE: ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED.

SEE FOLLOWING SDD's FOR ADDITIONAL INFORMATION:
"TRAFFIC CONTROL, ADDED LANE CLOSURE WITHOUT LANE SHIFT"

2

PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	TRAFFIC CONTROL - STAGE 4	SHEET 142	E

2

LEGEND

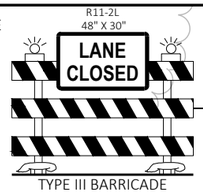
- TEMPORARY PAVEMENT PLACED IN PREVIOUS STAGE
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES; 3.5-INCHES ASPHALTIC SURFACE TEMPORARY, OVER 10-INCHES BASE AGGREGATE DENSE 1 1/4 -INCH
- WORK ZONE
- SAWING ASPHALT REQ'D
- SAWING CONCRETE REQ'D
- TRAFFIC CONTROL DRUMS (WITH/WITHOUT LIGHT, TYPE C)
- TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER POSTS/BASES
- TRAFFIC CONTROL SIGNS (MOUNTED ON TEMPORARY SUPPORT)
- TRAFFIC CONTROL BARRICADES TYPE III (WITH/WITHOUT SIGN)
- MARKING REMOVAL LINE WATER BLASTING
- TRAFFIC CONTROL CONNECTED ARROW BOARDS
- TRAFFIC FLOW ARROW
- 6W TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE)
- 6WT TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
- 6DY TEMPORARY MARKING LINE EPOXY 6-INCH (DOUBLE YELLOW)
- 6DYT TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (DOUBLE YELLOW)
- 6Y TEMPORARY MARKING LINE EPOXY 6-INCH (YELLOW)
- 6YT TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
- 18W TEMPORARY MARKING STOP LINE EPOXY 18-INCH (WHITE)
- 18WT TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH (WHITE)

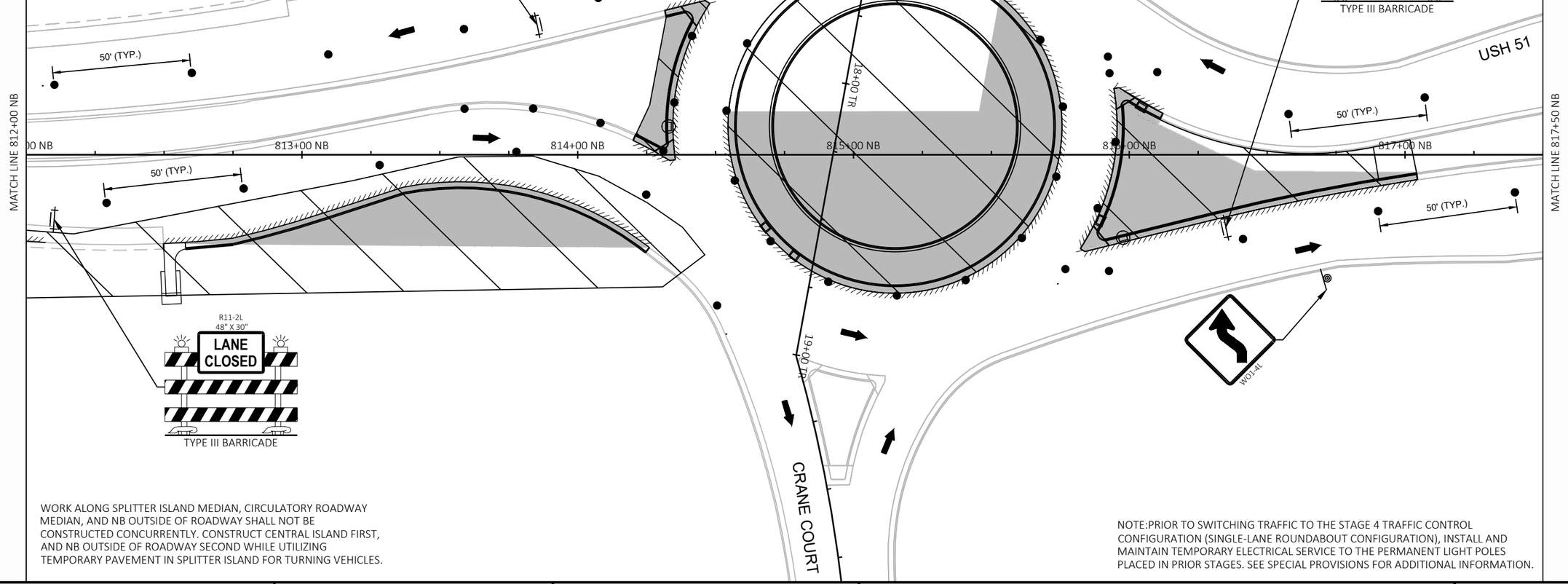
NOTE: ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED.

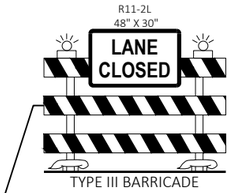
N

SEE FOLLOWING SDD's FOR ADDITIONAL INFORMATION:
"TRAFFIC CONTROL, SINGLE LANE CLOSURE, NON-FREEWAY/EXPRESSWAY"

NOTE: FINAL PAVEMENT MARKING AND SIGNING TO BE PLACED AND IN USE WHERE WORK IS COMPLETED. PLACE DIRECTIONAL SIGNAGE IN MEDIANS UNDER CONSTRUCTION ON TEMPORARY SUPPORTS, TO BE PAID FOR AS TRAFFIC CONTROL SIGNS.







WORK ALONG SPLITTER ISLAND MEDIAN, CIRCULATORY ROADWAY MEDIAN, AND NB OUTSIDE OF ROADWAY SHALL NOT BE CONSTRUCTED CONCURRENTLY. CONSTRUCT CENTRAL ISLAND FIRST, AND NB OUTSIDE OF ROADWAY SECOND WHILE UTILIZING TEMPORARY PAVEMENT IN SPLITTER ISLAND FOR TURNING VEHICLES.

NOTE:PRIOR TO SWITCHING TRAFFIC TO THE STAGE 4 TRAFFIC CONTROL CONFIGURATION (SINGLE-LANE ROUNDABOUT CONFIGURATION), INSTALL AND MAINTAIN TEMPORARY ELECTRICAL SERVICE TO THE PERMANENT LIGHT POLES PLACED IN PRIOR STAGES. SEE SPECIAL PROVISIONS FOR ADDITIONAL INFORMATION.

PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	TRAFFIC CONTROL - STAGE 4	SHEET 143	E

2

LEGEND

- TEMPORARY PAVEMENT PLACED IN PREVIOUS STAGE
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES; 3.5-INCHES ASPHALTIC SURFACE TEMPORARY, OVER 10-INCHES BASE AGGREGATE DENSE 1 1/4 -INCH
- WORK ZONE
- SAWING ASPHALT REQ'D
- SAWING CONCRETE REQ'D
- TRAFFIC CONTROL DRUMS (WITH/WITHOUT LIGHT, TYPE C)
- TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER POSTS/BASES
- TRAFFIC CONTROL SIGNS (MOUNTED ON TEMPORARY SUPPORT)
- TRAFFIC CONTROL BARRICADES TYPE III (WITH/WITHOUT SIGN)
- MARKING REMOVAL LINE WATER BLASTING
- TRAFFIC CONTROL CONNECTED ARROW BOARDS
- TRAFFIC FLOW ARROW
- 6W — TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE)
- 6WT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
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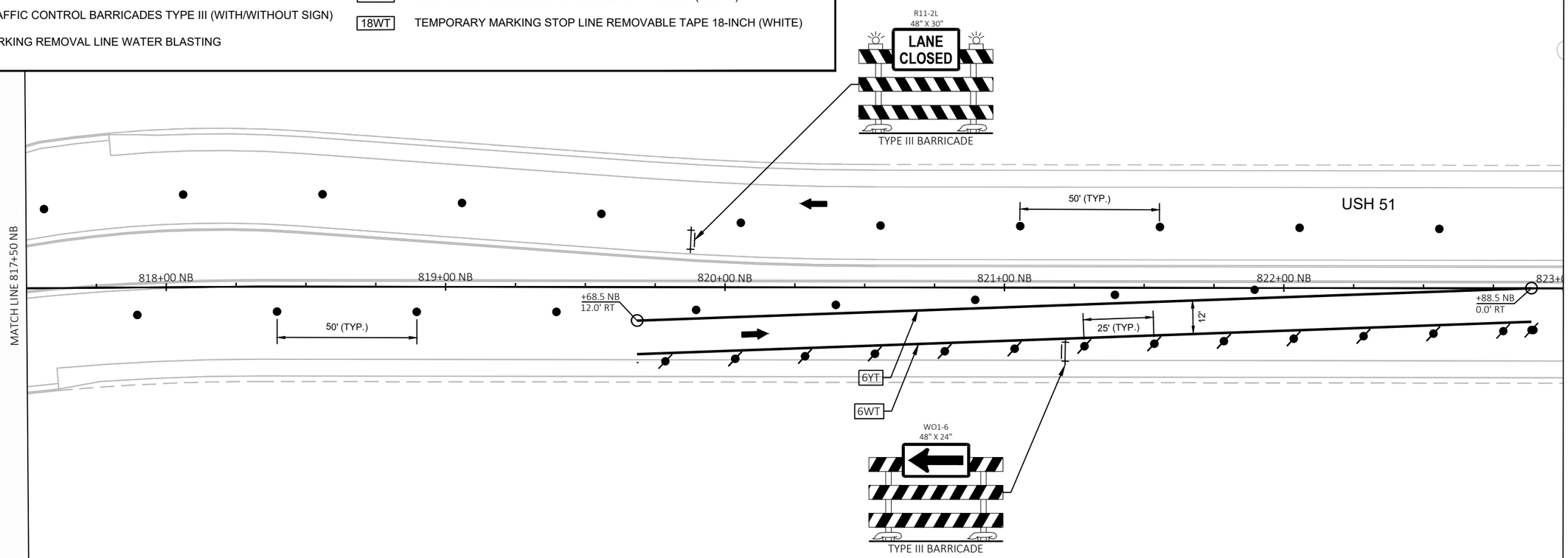
- 6DYT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (DOUBLE YELLOW)
- 6Y — TEMPORARY MARKING LINE EPOXY 6-INCH (YELLOW)
- 6YT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
- 18W — TEMPORARY MARKING STOP LINE EPOXY 18-INCH (WHITE)
- 18WT — TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH (WHITE)

NOTE: FINAL PAVEMENT MARKING AND SIGNING TO BE PLACED AND IN USE WHERE WORK IS COMPLETED. PLACE DIRECTIONAL SIGNAGE IN MEDIANS UNDER CONSTRUCTION ON TEMPORARY SUPPORTS, TO BE PAID FOR AS TRAFFIC CONTROL SIGNS.

N



SEE FOLLOWING SDD's FOR ADDITIONAL INFORMATION:
"TRAFFIC CONTROL, SINGLE LANE CLOSURE, NON-FREEWAY/EXPRESSWAY"
"TRAFFIC CONTROL, FULL LANE SHIFT, NON-FREEWAY/EXPRESSWAY OR MULTILANE DIVIDED 45 MPH AND UNDER"

NOTE: ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED.

PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	TRAFFIC CONTROL - STAGE 4	SHEET 144	E

2

LEGEND

- TEMPORARY PAVEMENT PLACED IN PREVIOUS STAGE
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES; 3.5-INCHES ASPHALTIC SURFACE TEMPORARY, OVER 10-INCHES BASE AGGREGATE DENSE 1 1/4 -INCH
- WORK ZONE
- SAWING ASPHALT REQ'D
- SAWING CONCRETE REQ'D
- TRAFFIC CONTROL DRUMS (WITH/WITHOUT LIGHT, TYPE C)
- TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER POSTS/BASES
- TRAFFIC CONTROL SIGNS (MOUNTED ON TEMPORARY SUPPORT)
- TRAFFIC CONTROL BARRICADES TYPE III (WITH/WITHOUT SIGN)
- MARKING REMOVAL LINE WATER BLASTING
- TRAFFIC CONTROL CONNECTED ARROW BOARDS
- TRAFFIC FLOW ARROW
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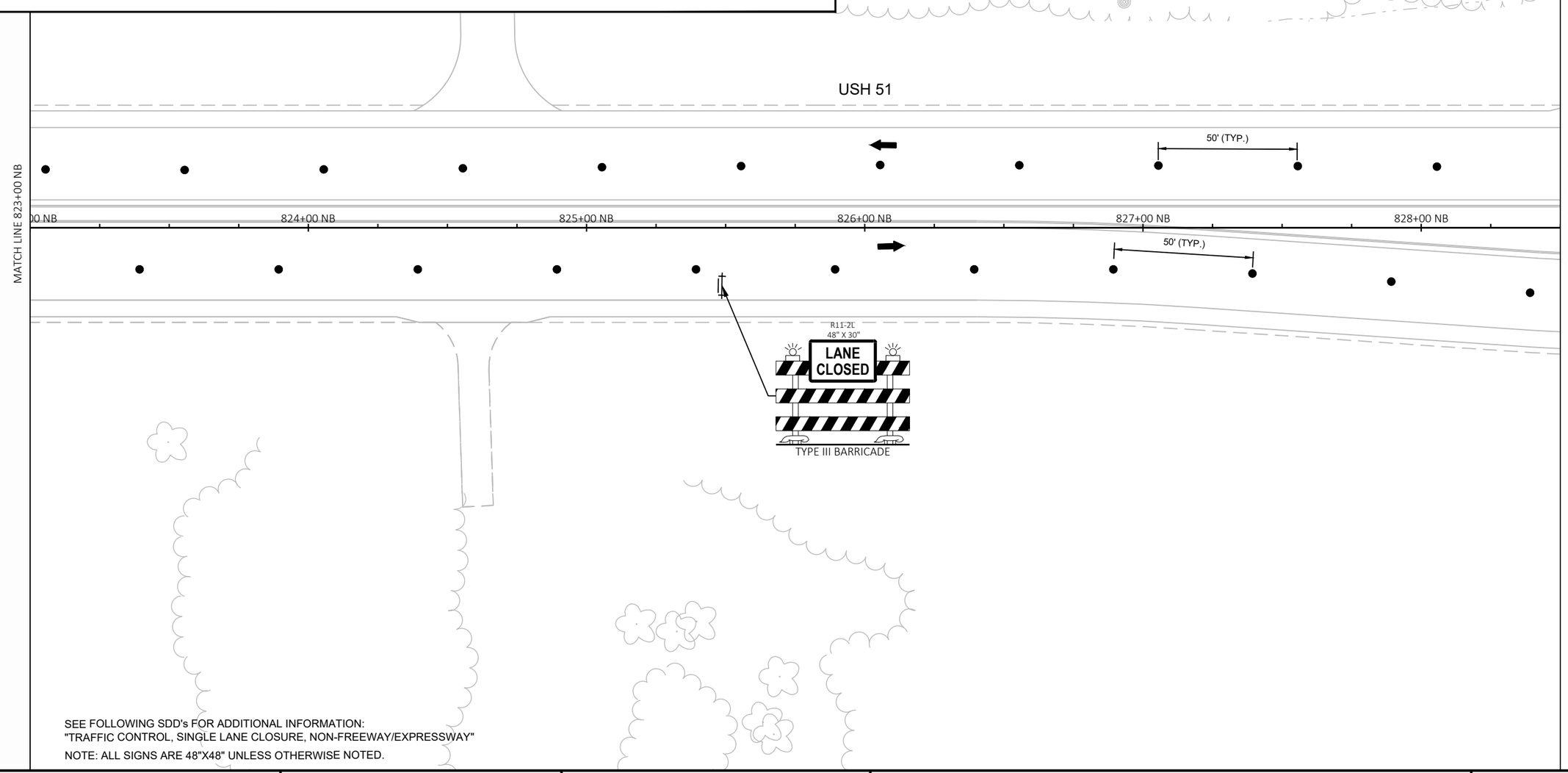
- 18WT — TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH (WHITE)

NOTE: FINAL PAVEMENT MARKING AND SIGNING TO BE PLACED AND IN USE WHERE WORK IS COMPLETED. PLACE DIRECTIONAL SIGNAGE IN MEDIANS UNDER CONSTRUCTION ON TEMPORARY SUPPORTS, TO BE PAID FOR AS TRAFFIC CONTROL SIGNS.

N



SEE FOLLOWING SDD's FOR ADDITIONAL INFORMATION:
"TRAFFIC CONTROL, SINGLE LANE CLOSURE, NON-FREEWAY/EXPRESSWAY"

NOTE: ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED.

PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	TRAFFIC CONTROL - STAGE 4	SHEET 145	E

2

LEGEND

- TEMPORARY PAVEMENT PLACED IN PREVIOUS STAGE
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES; 3.5-INCHES ASPHALTIC SURFACE TEMPORARY, OVER 10-INCHES BASE AGGREGATE DENSE 1 1/4 -INCH
- WORK ZONE
- SAWING ASPHALT REQ'D
- SAWING CONCRETE REQ'D
- TRAFFIC CONTROL DRUMS (WITH/WITHOUT LIGHT, TYPE C)
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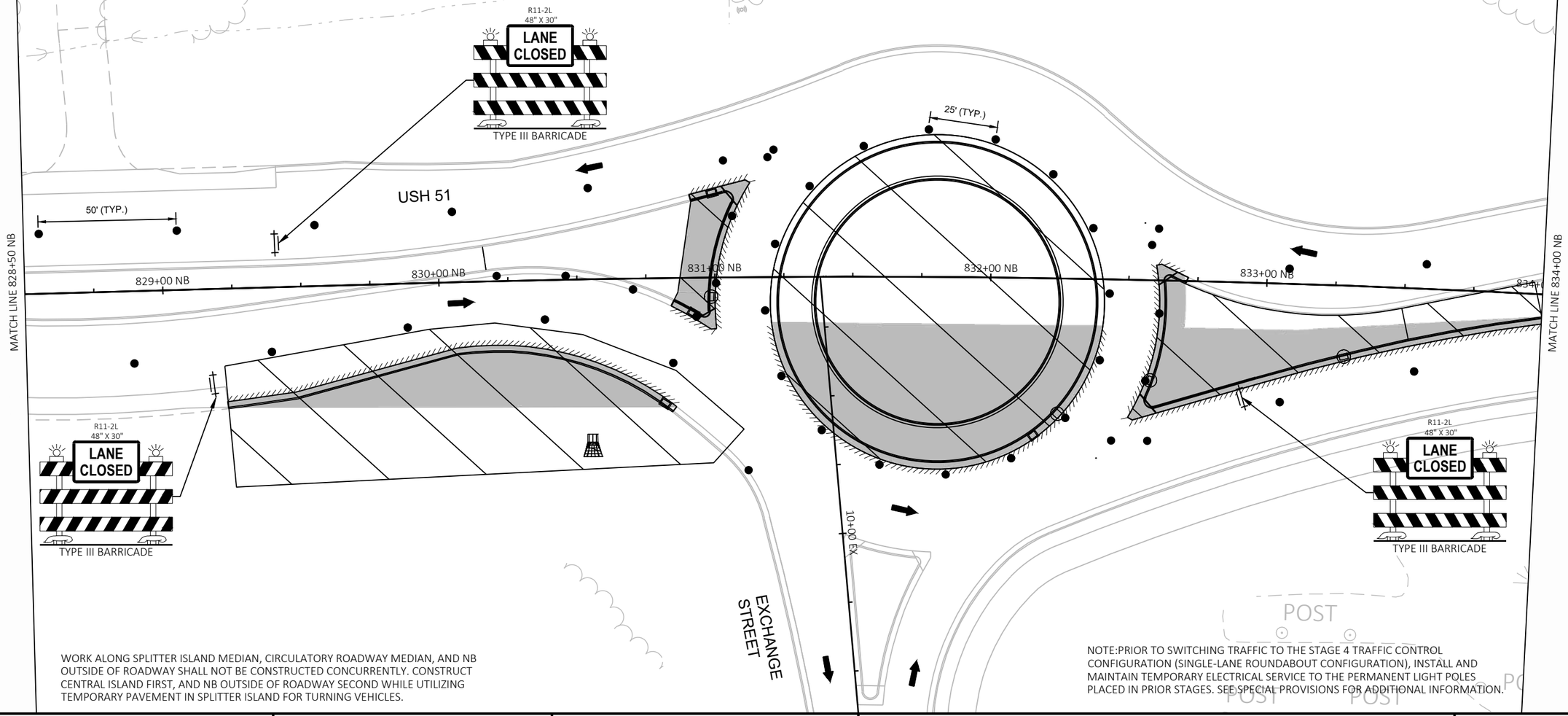
- 6YT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
- 18W — TEMPORARY MARKING STOP LINE EPOXY 18-INCH (WHITE)
- 18WT — TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH (WHITE)

NOTE: FINAL PAVEMENT MARKING AND SIGNING TO BE PLACED AND IN USE WHERE WORK IS COMPLETED. PLACE DIRECTIONAL SIGNAGE IN MEDIANS UNDER CONSTRUCTION ON TEMPORARY SUPPORTS, TO BE PAID FOR AS TRAFFIC CONTROL SIGNS.

N

SEE FOLLOWING SDD's FOR ADDITIONAL INFORMATION:
"TRAFFIC CONTROL, SINGLE LANE CLOSURE, NON-FREEWAY/EXPRESSWAY"

NOTE: ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED.



WORK ALONG SPLITTER ISLAND MEDIAN, CIRCULATORY ROADWAY MEDIAN, AND NB OUTSIDE OF ROADWAY SHALL NOT BE CONSTRUCTED CONCURRENTLY. CONSTRUCT CENTRAL ISLAND FIRST, AND NB OUTSIDE OF ROADWAY SECOND WHILE UTILIZING TEMPORARY PAVEMENT IN SPLITTER ISLAND FOR TURNING VEHICLES.

NOTE:PRIOR TO SWITCHING TRAFFIC TO THE STAGE 4 TRAFFIC CONTROL CONFIGURATION (SINGLE-LANE ROUNDABOUT CONFIGURATION), INSTALL AND MAINTAIN TEMPORARY ELECTRICAL SERVICE TO THE PERMANENT LIGHT POLES PLACED IN PRIOR STAGES. SEE SPECIAL PROVISIONS FOR ADDITIONAL INFORMATION.

PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	TRAFFIC CONTROL - STAGE 4	SHEET 146	E

2

LEGEND

- TEMPORARY PAVEMENT PLACED IN PREVIOUS STAGE
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES; 3.5-INCHES ASPHALTIC SURFACE TEMPORARY, OVER 10-INCHES BASE AGGREGATE DENSE 1 1/4 -INCH
- WORK ZONE
- SAWING ASPHALT REQ'D
- SAWING CONCRETE REQ'D
- TRAFFIC CONTROL DRUMS (WITH/WITHOUT LIGHT, TYPE C)
- TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER POSTS/BASES
- TRAFFIC CONTROL SIGNS (MOUNTED ON TEMPORARY SUPPORT)
- TRAFFIC CONTROL BARRICADES TYPE III (WITH/WITHOUT SIGN)
- MARKING REMOVAL LINE WATER BLASTING
- TRAFFIC CONTROL CONNECTED ARROW BOARDS
- TRAFFIC FLOW ARROW
- 6W — TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE)
- 6WT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
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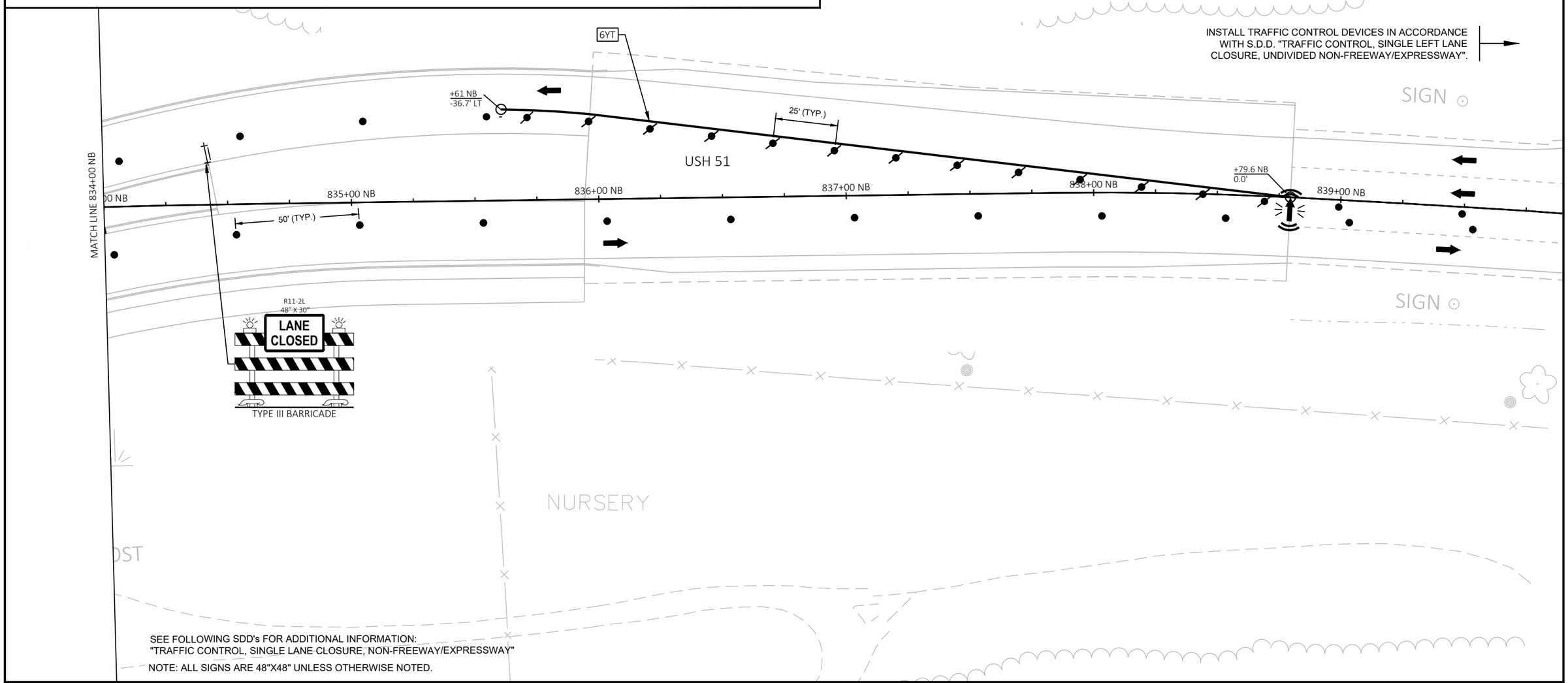
- 6DYT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (DOUBLE YELLOW)
- 6Y — TEMPORARY MARKING LINE EPOXY 6-INCH (YELLOW)
- 6YT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
- 18W — TEMPORARY MARKING STOP LINE EPOXY 18-INCH (WHITE)
- 18WT — TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH (WHITE)

NOTE: FINAL PAVEMENT MARKING AND SIGNING TO BE PLACED AND IN USE WHERE WORK IS COMPLETED. PLACE DIRECTIONAL SIGNAGE IN MEDIANS UNDER CONSTRUCTION ON TEMPORARY SUPPORTS, TO BE PAID FOR AS TRAFFIC CONTROL SIGNS.

N

INSTALL TRAFFIC CONTROL DEVICES IN ACCORDANCE WITH S.D.D. "TRAFFIC CONTROL, SINGLE LANE CLOSURE, UNDIVIDED NON-FREEWAY/EXPRESSWAY".



SEE FOLLOWING SDD's FOR ADDITIONAL INFORMATION:
"TRAFFIC CONTROL, SINGLE LANE CLOSURE, NON-FREEWAY/EXPRESSWAY"

NOTE: ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED.

PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	TRAFFIC CONTROL - STAGE 4	SHEET 147	E

2

2

N

FRAME 1:	FRAME 2:
HWY 51 SOUTH CLOSED	USE HWY 12 EAST

FRAME 1:	FRAME 2:
HWY 51 NORTH	END DETOUR

FRAME 1:	FRAME 2:
HWY 51 SOUTH CLOSED	USE EXIT 267A

FRAME 1:	FRAME 2:
HWY 51 SOUTH TRAFFIC	USE EXIT 267A

FRAME 1:	FRAME 2:
HWY 51 SOUTH CLOSED	USE EXIT 156

FRAME 1:	FRAME 2:
HWY 51 NORTH TRAFFIC	USE EXIT 267A

FRAME 1:	FRAME 2:
HWY 51 NORTH TRAFFIC	USE EXIT 142A

FRAME 1:	FRAME 2:
HWY 51 SOUTH	END DETOUR

FRAME 1:	FRAME 2:
HWY 51 NORTH CLOSED	USE EXIT 142A

FRAME 1:	FRAME 2:
HWY 51 NORTH CLOSED	USE HWY 51 SOUTH

FRAME 1:	FRAME 2:
HWY 51 NORTH TRAFFIC	USE HWY 39 NORTH

FRAME 1:	FRAME 2:
HWY 51 CLOSED	XX/XX/XX XXPM-XAM

** INSTALL PCMS SEVEN DAYS PRIOR TO OFF-PEAK CLOSURE OF USH 51

SDD "BARRICADES AND SIGNS FOR MAINLINE CLOSURES", DETAIL C

ROAD CLOSED TO THRU TRAFFIC 1/2 MILES AHEAD
R11-3 60"X30"

SDD "BARRICADES AND SIGNS FOR MAINLINE CLOSURES", DETAIL C

ROAD CLOSED TO THRU TRAFFIC 1-1/2 MILES AHEAD
R11-3 60"X30"

SDD "BARRICADES AND SIGNS FOR MAINLINE CLOSURES", DETAIL D

ROAD CLOSED
R11-2 48"X30"

SDD "BARRICADES AND SIGNS FOR MAINLINE CLOSURES", DETAIL C

ROAD CLOSED TO THRU TRAFFIC 2 MILES AHEAD
R11-3 60"X30"

WORKZONE

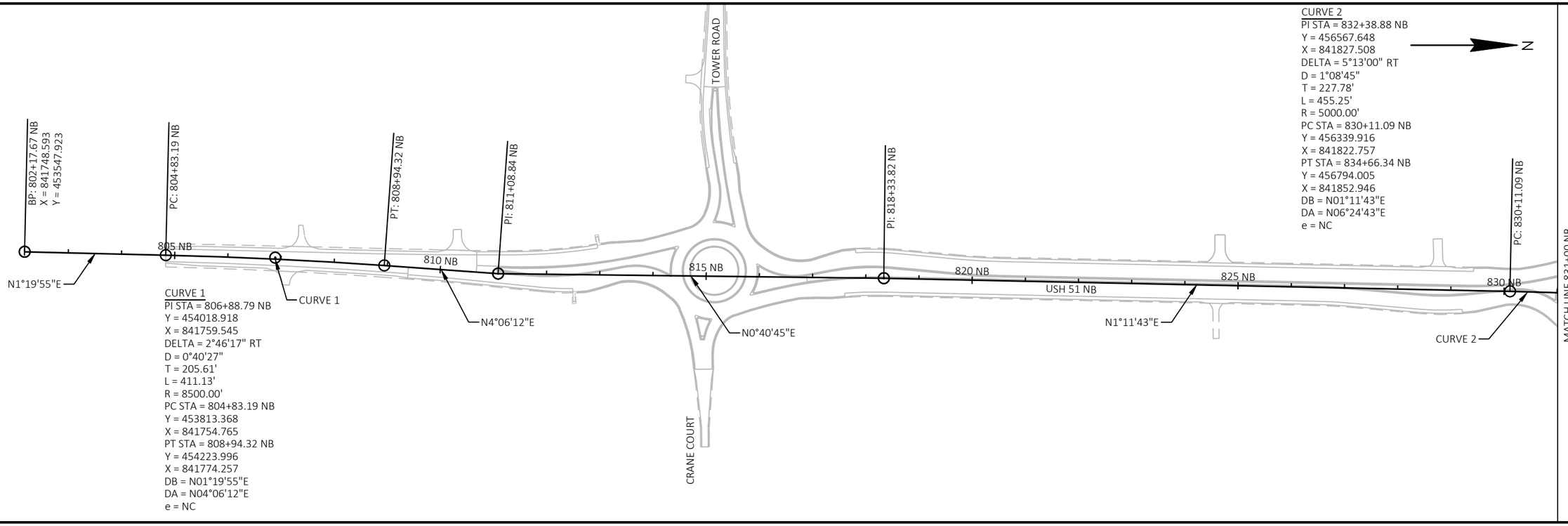
DETOUR ROUTE

PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	DETOUR OVERVIEW - OFF-PEAK CLOSURES	SHEET 148 E

FILE NAME : S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\027001-DT-OV.DWG
LAYOUT NAME - DETOUR OVERVIEW

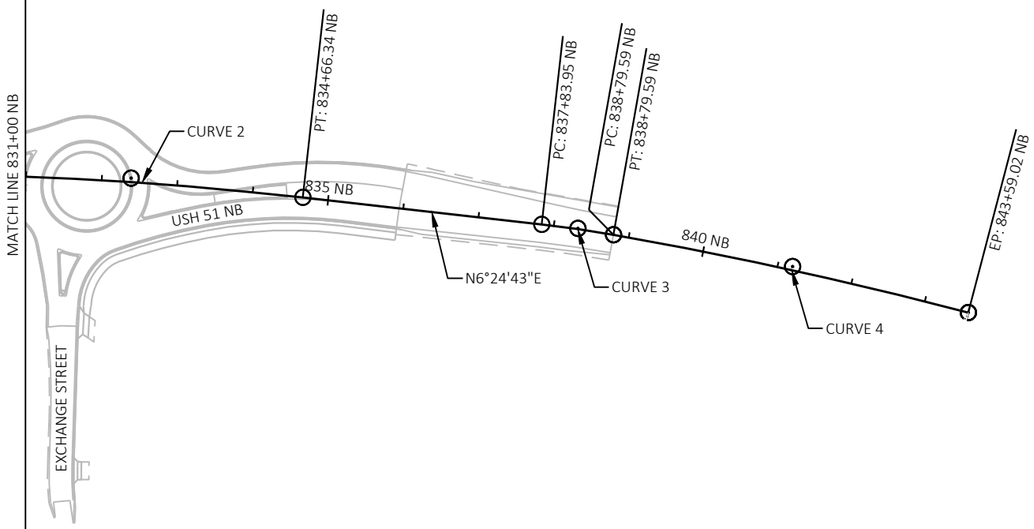
PLOT DATE : 7/28/2025 5:00 PM PLOT BY : KOWALSKI, NICK PLOT NAME : PLOT SCALE : 1 IN: 1.5 MI

WISDOT/CADDS SHEET 42



CURVE 1
PI STA = 806+88.79 NB
Y = 454018.918
X = 841759.545
DELTA = 2°46'17" RT
D = 0°40'27"
T = 205.61'
L = 411.13'
R = 8500.00'
PC STA = 804+83.19 NB
Y = 453813.368
X = 841754.765
PT STA = 808+94.32 NB
Y = 454223.996
X = 841774.257
DB = N01°19'55"E
DA = N04°06'12"E
e = NC

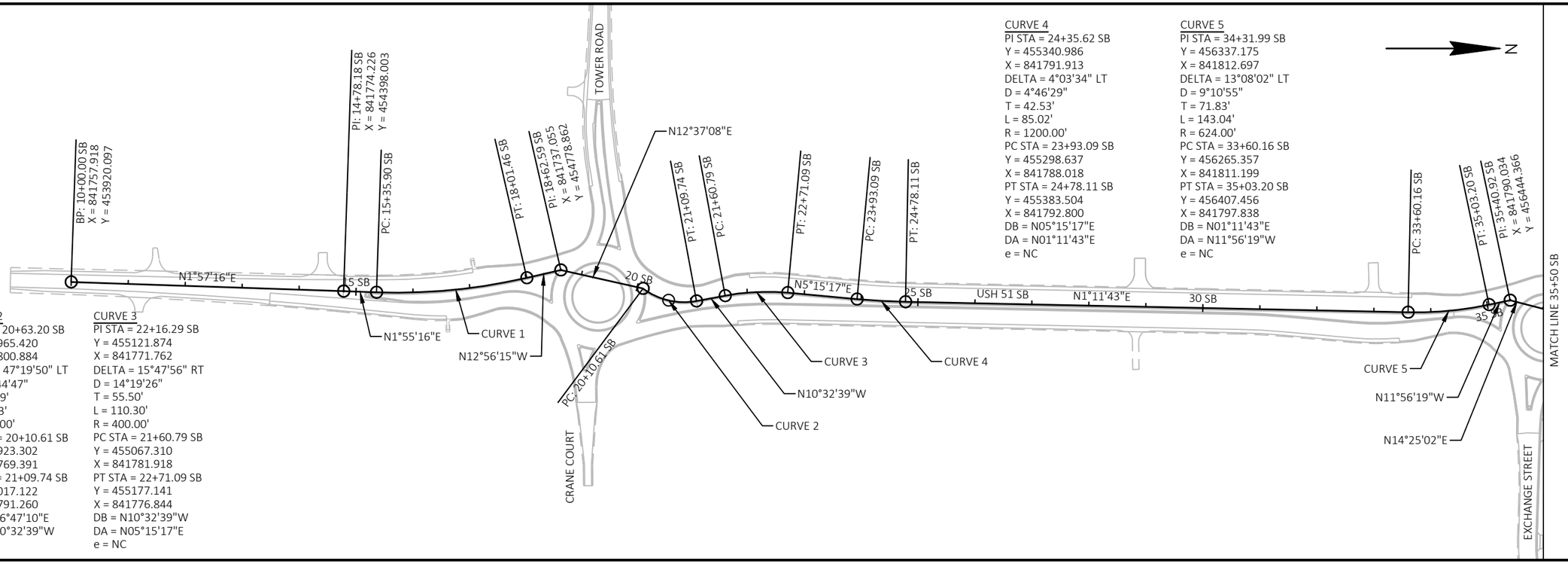
CURVE 2
PI STA = 832+38.88 NB
Y = 456567.648
X = 841827.508
DELTA = 5°13'00" RT
D = 1°08'45"
T = 227.78'
L = 455.25'
R = 5000.00'
PC STA = 830+11.09 NB
Y = 456339.916
X = 841822.757
PT STA = 834+66.34 NB
Y = 456794.005
X = 841852.946
DB = N01°11'43"E
DA = N06°24'43"E
e = NC



CURVE 3
PI STA = 838+31.79 NB
Y = 457157.163
X = 841893.758
DELTA = 3°39'11" RT
D = 3°49'11"
T = 47.83'
L = 95.63'
R = 1500.00'
PC STA = 837+83.95 NB
Y = 457109.630
X = 841888.416
PT STA = 838+79.59 NB
Y = 457204.260
X = 841902.118
DB = N06°24'43"E
DA = N10°03'54"E
e = NC

CURVE 4
PI STA = 841+19.43 NB
Y = 457440.415
X = 841944.034
DELTA = 4°36'21" RT
D = 0°57'38"
T = 239.85'
L = 479.43'
R = 5964.00'
PC STA = 838+79.59 NB
Y = 457204.260
X = 841902.118
PT STA = 843+59.02 NB
Y = 457672.442
X = 842004.779
DB = N10°03'54"E
DA = N14°40'15"E
e = NC

PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	ALIGNMENT DETAILS - USH 51 NB	SHEET 149	E



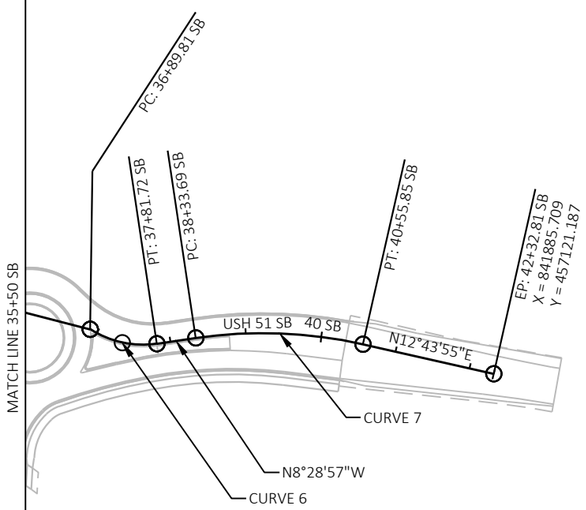
CURVE 1
PI STA = 16+69.43 SB
Y = 454589.144
X = 841780.637
DELTA = 14°51'31" LT
D = 5°35'43"
T = 133.53'
L = 265.56'
R = 1024.00'
PC STA = 15+35.90 SB
Y = 454455.692
X = 841776.161
PT STA = 18+01.46 SB
Y = 454719.281
X = 841750.742
DB = N01°55'16"E
DA = N12°56'15"W
e = NC

CURVE 2
PI STA = 20+63.20 SB
Y = 454965.420
X = 841800.884
DELTA = 47°19'50" LT
D = 47°44'47"
T = 52.59'
L = 99.13'
R = 120.00'
PC STA = 20+10.61 SB
Y = 454923.302
X = 841769.391
PT STA = 21+09.74 SB
Y = 455017.122
X = 841791.260
DB = N36°47'10"E
DA = N10°32'39"W
e = NC

CURVE 3
PI STA = 22+16.29 SB
Y = 455121.874
X = 841771.762
DELTA = 15°47'56" RT
D = 14°19'26"
T = 55.50'
L = 110.30'
R = 400.00'
PC STA = 21+60.79 SB
Y = 455067.310
X = 841781.918
PT STA = 22+71.09 SB
Y = 455177.141
X = 841776.844
DB = N10°32'39"W
DA = N05°15'17"E
e = NC

CURVE 4
PI STA = 24+35.62 SB
Y = 455340.986
X = 841791.913
DELTA = 4°03'34" LT
D = 4°46'29"
T = 42.53'
L = 85.02'
R = 1200.00'
PC STA = 23+93.09 SB
Y = 455298.637
X = 841788.018
PT STA = 24+78.11 SB
Y = 455383.504
X = 841792.800
DB = N05°15'17"E
DA = N01°11'43"E
e = NC

CURVE 5
PI STA = 34+31.99 SB
Y = 456337.175
X = 841812.697
DELTA = 13°08'02" LT
D = 9°10'55"
T = 71.83'
L = 143.04'
R = 624.00'
PC STA = 33+60.16 SB
Y = 456265.357
X = 841811.199
PT STA = 35+03.20 SB
Y = 456407.456
X = 841797.838
DB = N01°11'43"E
DA = N11°56'19"W
e = NC



CURVE 6
PI STA = 37+37.88 SB
Y = 456628.887
X = 841853.274
DELTA = 41°27'58" LT
D = 45°06'53"
T = 48.07'
L = 91.91'
R = 127.00'
PC STA = 36+89.81 SB
Y = 456588.562
X = 841827.103
PT STA = 37+81.72 SB
Y = 456676.434
X = 841846.183
DB = N32°59'01"E
DA = N08°28'57"W
e = NC

CURVE 7
PI STA = 39+46.05 SB
Y = 456838.970
X = 841821.943
DELTA = 21°12'52" RT
D = 9°32'57"
T = 112.37'
L = 222.16'
R = 600.00'
PC STA = 38+33.69 SB
Y = 456727.834
X = 841838.517
PT STA = 40+55.85 SB
Y = 456948.573
X = 841846.707
DB = N08°28'57"W
DA = N12°43'55"E
e = NC

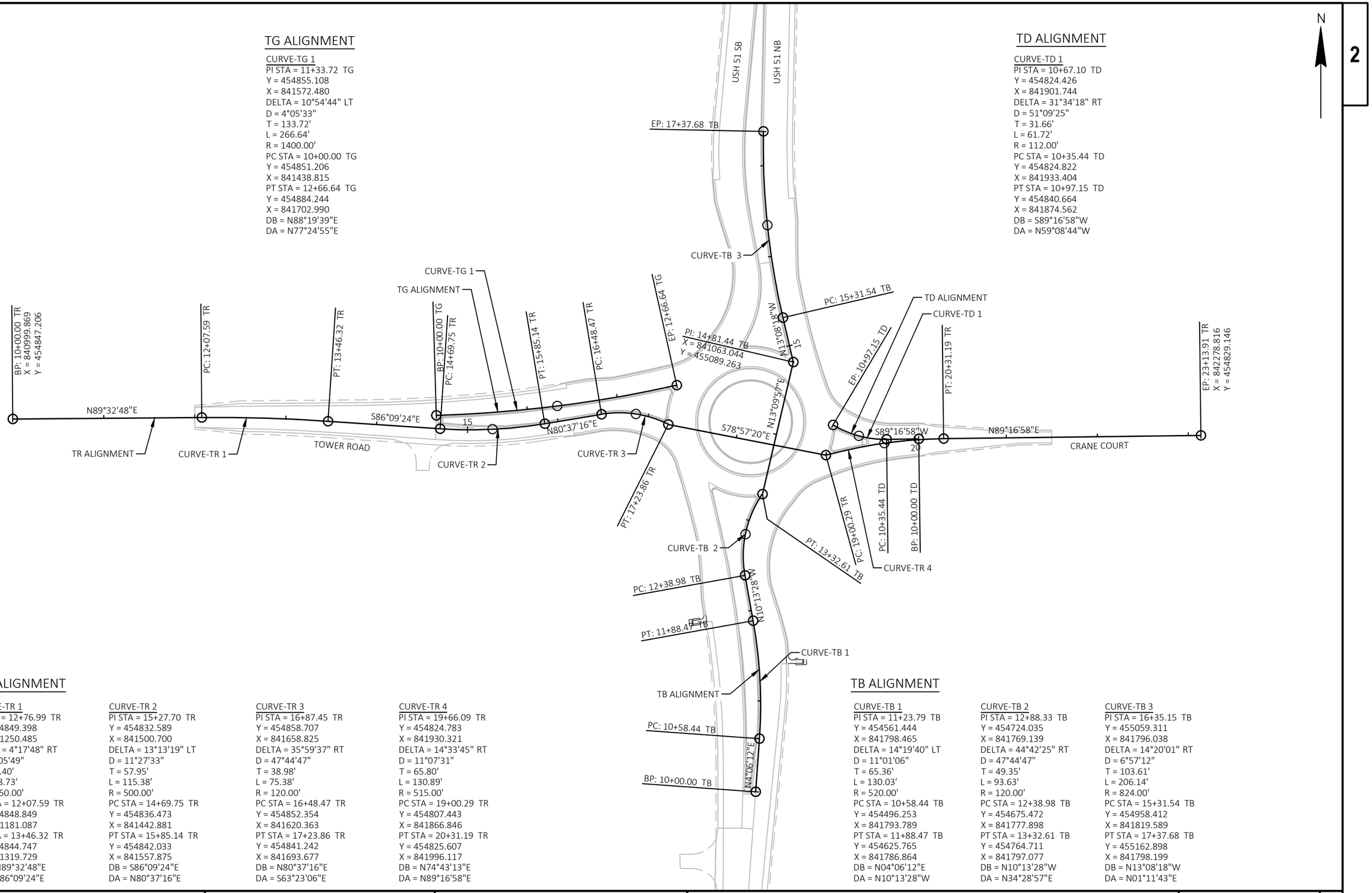
PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	ALIGNMENT DETAILS - USH 51 SB	SHEET 150	E

TG ALIGNMENT

CURVE-TG 1
PI STA = 11+33.72 TG
Y = 454855.108
X = 841572.480
DELTA = 10°54'44" LT
D = 4°05'33"
T = 133.72'
L = 266.64'
R = 1400.00'
PC STA = 10+00.00 TG
Y = 454851.206
X = 841438.815
PT STA = 12+66.64 TG
Y = 454884.244
X = 841702.990
DB = N88°19'39"E
DA = N77°24'55"E

TD ALIGNMENT

CURVE-TD 1
PI STA = 10+67.10 TD
Y = 454824.426
X = 841901.744
DELTA = 31°34'18" RT
D = 51°09'25"
T = 31.66'
L = 61.72'
R = 112.00'
PC STA = 10+35.44 TD
Y = 454824.822
X = 841933.404
PT STA = 10+97.15 TD
Y = 454840.664
X = 841874.562
DB = S89°16'58"W
DA = N59°08'44"W



TR ALIGNMENT

CURVE-TR 1
PI STA = 12+76.99 TR
Y = 454849.398
X = 841250.485
DELTA = 4°17'48" RT
D = 3°05'49"
T = 69.40'
L = 138.73'
R = 1850.00'
PC STA = 12+07.59 TR
Y = 454848.849
X = 841181.087
PT STA = 13+46.32 TR
Y = 454844.747
X = 841319.729
DB = N89°32'48"E
DA = S86°09'24"E

CURVE-TR 2
PI STA = 15+27.70 TR
Y = 454832.589
X = 841500.700
DELTA = 13°13'19" LT
D = 11°27'33"
T = 57.95'
L = 115.38'
R = 500.00'
PC STA = 14+69.75 TR
Y = 454836.473
X = 841442.881
PT STA = 15+85.14 TR
Y = 454842.033
X = 841557.875
DB = S86°09'24"E
DA = N80°37'16"E

CURVE-TR 3
PI STA = 16+87.45 TR
Y = 454858.707
X = 841658.825
DELTA = 35°59'37" RT
D = 47°44'47"
T = 38.98'
L = 75.38'
R = 120.00'
PC STA = 16+48.47 TR
Y = 454852.354
X = 841620.363
PT STA = 17+23.86 TR
Y = 454841.242
X = 841693.677
DB = N80°37'16"E
DA = S63°23'06"E

CURVE-TR 4
PI STA = 19+66.09 TR
Y = 454824.783
X = 841930.321
DELTA = 14°33'45" RT
D = 11°07'31"
T = 65.80'
L = 130.89'
R = 515.00'
PC STA = 19+00.29 TR
Y = 454807.443
X = 841866.846
PT STA = 20+31.19 TR
Y = 454825.607
X = 841996.117
DB = N74°43'13"E
DA = N89°16'58"E

TB ALIGNMENT

CURVE-TB 1
PI STA = 11+23.79 TB
Y = 454561.444
X = 841798.465
DELTA = 14°19'40" LT
D = 11°01'06"
T = 65.36'
L = 130.03'
R = 520.00'
PC STA = 10+58.44 TB
Y = 454496.253
X = 841793.789
PT STA = 11+88.47 TB
Y = 454625.765
X = 841786.864
DB = N04°06'12"E
DA = N10°13'28"W

CURVE-TB 2
PI STA = 12+88.33 TB
Y = 454724.035
X = 841769.139
DELTA = 44°42'25" RT
D = 47°44'47"
T = 49.35'
L = 93.63'
R = 120.00'
PC STA = 12+38.98 TB
Y = 454675.472
X = 841777.898
PT STA = 13+32.61 TB
Y = 454764.711
X = 841797.077
DB = N10°13'28"W
DA = N34°28'57"E

CURVE-TB 3
PI STA = 16+35.15 TB
Y = 455059.311
X = 841796.038
DELTA = 14°20'01" RT
D = 6°57'12"
T = 103.61'
L = 206.14'
R = 824.00'
PC STA = 15+31.54 TB
Y = 454958.412
X = 841819.589
PT STA = 17+37.68 TB
Y = 455162.898
X = 841798.199
DB = N13°08'18"W
DA = N01°11'43"E

PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	TOWER ROAD - SUPPLEMENTAL ALIGNMENTS	SHEET 151	E

TF ALIGNMENT

CURVE-TF 1
PI STA = 10+12.52 TF
Y = 454886.610
X = 841593.834
DELTA = 0°57'32" LT
D = 3°49'43"
T = 12.52'
L = 25.04'
R = 1496.50'
PC STA = 10+00.00 TF
Y = 454884.625
X = 841581.472
PT STA = 10+25.04 TF
Y = 454888.803
X = 841606.162
DB = N80°52'31"E
DA = N79°54'59"E

CURVE-TF 2
PI STA = 10+39.14 TF
Y = 454889.526
X = 841620.237
DELTA = 1°05'10" LT
D = 3°51'11"
T = 14.09'
L = 28.19'
R = 1487.00'
PC STA = 10+25.04 TF
Y = 454888.803
X = 841606.162
PT STA = 10+53.23 TF
Y = 454890.516
X = 841634.295
DB = N87°03'28"E
DA = N85°58'18"E

CURVE-TF 3
PI STA = 10+85.07 TF
Y = 454896.676
X = 841665.541
DELTA = 2°25'57" LT
D = 3°49'11"
T = 31.85'
L = 63.68'
R = 1500.00'
PC STA = 10+53.23 TF
Y = 454890.516
X = 841634.295
PT STA = 11+16.91 TF
Y = 454904.157
X = 841696.497
DB = N78°50'49"E
DA = N76°24'52"E

CURVE-TF 4
PI STA = 11+44.37 TF
Y = 454910.606
X = 841723.183
DELTA = 40°12'37" LT
D = 76°23'40"
T = 27.45'
L = 52.64'
R = 75.00'
PC STA = 11+16.91 TF
Y = 454904.157
X = 841696.497
PT STA = 11+69.55 TF
Y = 454932.759
X = 841739.398
DB = N76°24'52"E
DA = N36°12'14"E

CURVE-TF 5
PI STA = 11+77.07 TF
Y = 454938.825
X = 841743.839
DELTA = 2°09'12" LT
D = 14°19'26"
T = 7.52'
L = 15.03'
R = 400.00'
PC STA = 11+69.55 TF
Y = 454932.759
X = 841739.398
PT STA = 11+84.58 TF
Y = 454945.054
X = 841748.048
DB = N36°12'14"E
DA = N34°03'02"E

CURVE-TF 6
PI STA = 12+29.69 TF
Y = 454982.428
X = 841773.306
DELTA = 44°35'42" LT
D = 52°05'13"
T = 45.11'
L = 85.62'
R = 110.00'
PC STA = 11+84.58 TF
Y = 454945.054
X = 841748.048
PT STA = 12+70.20 TF
Y = 455026.775
X = 841765.051
DB = N34°03'02"E
DA = N10°32'39"W

CURVE-TF 7
PI STA = 13+19.12 TF
Y = 455073.400
X = 841750.216
DELTA = 3°11'12" RT
D = 13°25'06"
T = 11.88'
L = 23.75'
R = 427.00'
PC STA = 13+07.25 TF
Y = 455062.077
X = 841753.806
PT STA = 13+31.00 TF
Y = 455084.904
X = 841747.261
DB = N17°35'30"W
DA = N14°24'17"W

CURVE-TF 8
PI STA = 13+43.50 TF
Y = 455097.304
X = 841745.650
DELTA = 3°19'10" RT
D = 13°16'42"
T = 12.50'
L = 25.00'
R = 431.50'
PC STA = 13+31.00 TF
Y = 455084.904
X = 841747.261
PT STA = 13+56.00 TF
Y = 455109.775
X = 841744.759
DB = N07°24'14"W
DA = N04°05'03"W

TE ALIGNMENT

CURVE-TE 1
PI STA = 10+58.64 TE
Y = 454839.530
X = 841910.017
DELTA = 36°46'47" RT
D = 60°18'41"
T = 31.58'
L = 60.98'
R = 95.00'
PC STA = 10+27.06 TE
Y = 454839.926
X = 841941.598
PT STA = 10+88.04 TE
Y = 454858.123
X = 841884.485
DB = S89°16'58"W
DA = N53°56'15"W

CURVE-TE 2
PI STA = 11+03.66 TE
Y = 454867.317
X = 841871.859
DELTA = 34°41'44" RT
D = 114°35'30"
T = 15.62'
L = 30.28'
R = 50.00'
PC STA = 10+88.04 TE
Y = 454858.123
X = 841884.485
PT STA = 11+18.32 TE
Y = 454882.064
X = 841866.712
DB = N53°56'15"W
DA = N19°14'31"W

CURVE-TE 3
PI STA = 11+81.65 TE
Y = 454941.862
X = 841845.839
DELTA = 9°03'12" RT
D = 7°09'43"
T = 63.34'
L = 126.41'
R = 800.00'
PC STA = 11+18.32 TE
Y = 454882.064
X = 841866.712
PT STA = 12+44.73 TE
Y = 455004.200
X = 841834.635
DB = N19°14'31"W
DA = N10°11'19"W

CURVE-TE 4
PI STA = 12+75.12 TE
Y = 455034.544
X = 841832.974
DELTA = 4°24'21" RT
D = 7°15'09"
T = 30.39'
L = 60.75'
R = 790.00'
PC STA = 12+44.73 TE
Y = 455004.200
X = 841834.635
PT STA = 13+05.48 TE
Y = 455064.926
X = 841833.648
DB = N03°08'03"W
DA = N01°16'18"E

CURVE-TE 5
PI STA = 13+17.98 TE
Y = 455077.362
X = 841832.374
DELTA = 1°48'27" RT
D = 7°13'47"
T = 12.50'
L = 25.00'
R = 792.50'
PC STA = 13+05.48 TE
Y = 455064.926
X = 841833.648
PT STA = 13+30.48 TE
Y = 455089.832
X = 841831.493
DB = N05°51'02"W
DA = N04°02'36"W

TA ALIGNMENT

CURVE-TA 1
PI STA = 10+00.00 TA
Y = 454795.086
X = 841748.751
DELTA = 359°59'55" RT
D = 94°42'14"
T = 0.00'
L = 380.13'
R = 60.50'
PC STA = 10+00.00 TA
Y = 454795.086
X = 841748.751
PT STA = 13+80.13 TA
Y = 454795.085
X = 841748.752
DB = N54°12'45"W
DA = N54°12'50"W

TH ALIGNMENT

CURVE-TH 1
PI STA = 10+59.11 TH
Y = 454840.768
X = 841648.398
DELTA = 33°55'19" RT
D = 54°34'03"
T = 32.02'
L = 62.17'
R = 105.00'
PC STA = 10+27.08 TH
Y = 454835.549
X = 841616.803
PT STA = 10+89.25 TH
Y = 454827.466
X = 841677.528
DB = N80°37'16"E
DA = S65°27'24"E

CURVE-TH 2
PI STA = 11+11.28 TH
Y = 454818.314
X = 841697.569
DELTA = 47°33'30" RT
D = 114°35'30"
T = 22.03'
L = 41.50'
R = 50.00'
PC STA = 10+89.25 TH
Y = 454827.466
X = 841677.528
PT STA = 11+30.75 TH
Y = 454797.350
X = 841704.340
DB = S65°27'24"E
DA = S17°53'54"E

CURVE-TH 3
PI STA = 11+76.56 TH
Y = 454753.761
X = 841718.417
DELTA = 5°14'43" RT
D = 5°43'46"
T = 45.81'
L = 91.55'
R = 1000.00'
PC STA = 11+30.75 TH
Y = 454797.350
X = 841704.340
PT STA = 12+22.30 TH
Y = 454709.069
X = 841728.450
DB = S17°53'54"E
DA = S12°39'11"E

CURVE-TH 4
PI STA = 12+52.43 TH
Y = 454679.078
X = 841731.354
DELTA = 3°29'24" RT
D = 5°47'36"
T = 30.13'
L = 60.24'
R = 989.00'
PC STA = 12+22.30 TH
Y = 454709.069
X = 841728.450
PT STA = 12+82.54 TH
Y = 454648.966
X = 841732.426
DB = S05°31'47"E
DA = S02°02'23"E

CURVE-TH 5
PI STA = 12+95.04 TH
Y = 454636.625
X = 841734.428
DELTA = 1°26'36" RT
D = 5°46'22"
T = 12.50'
L = 25.00'
R = 992.50'
PC STA = 12+82.54 TH
Y = 454648.966
X = 841732.426
PT STA = 13+07.54 TH
Y = 454624.238
X = 841736.119
DB = S09°12'55"E
DA = S07°46'19"E

TC ALIGNMENT

CURVE-TC 1
PI STA = 10+12.50 TC
Y = 454591.074
X = 841823.062
DELTA = 3°30'39" LT
D = 14°02'35"
T = 12.50'
L = 25.00'
R = 408.00'
PC STA = 10+00.00 TC
Y = 454578.577
X = 841823.468
PT STA = 10+25.00 TC
Y = 454603.523
X = 841821.891
DB = N01°51'44"W
DA = N05°22'22"W

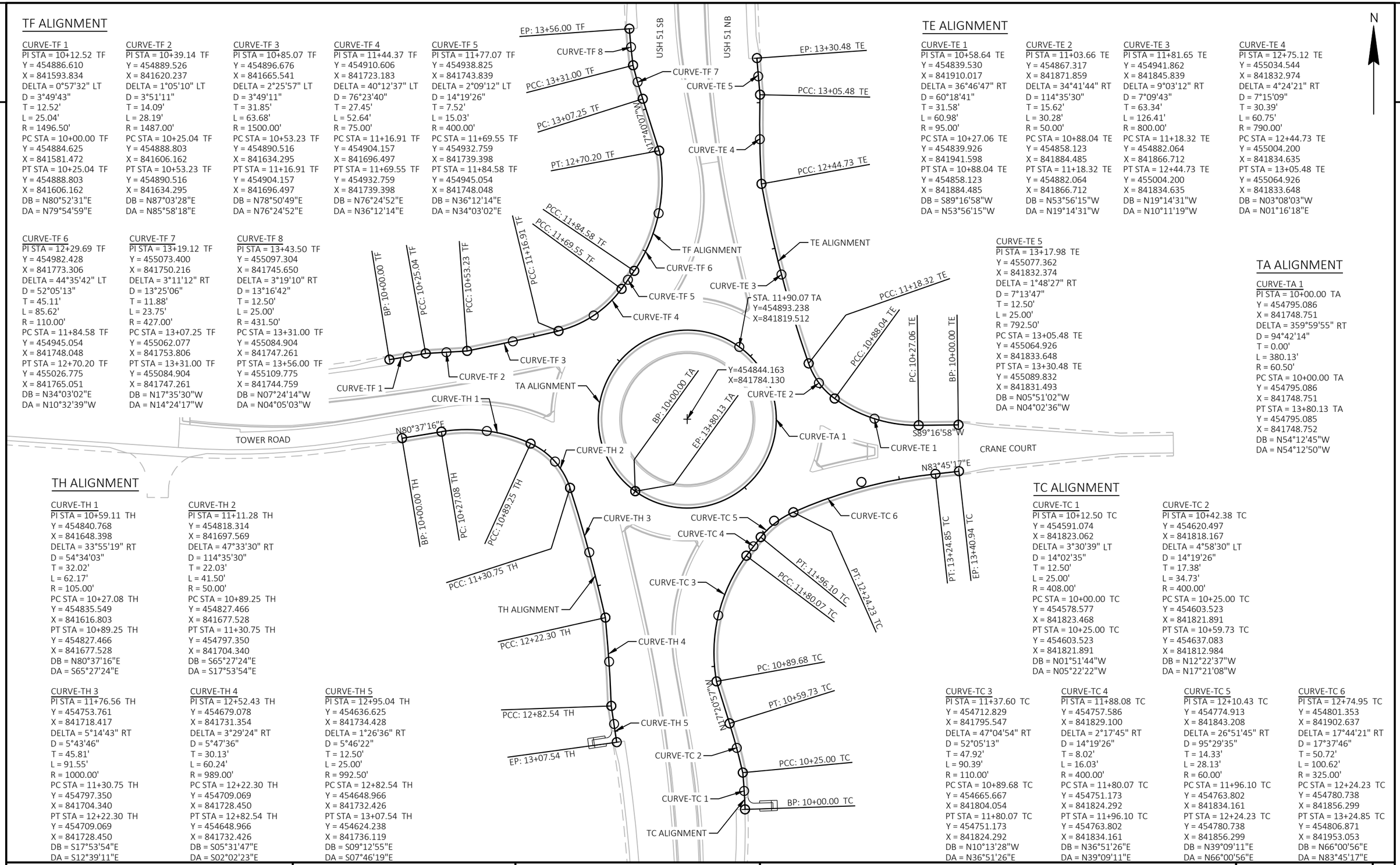
CURVE-TC 2
PI STA = 10+42.38 TC
Y = 454620.497
X = 841818.167
DELTA = 4°58'30" LT
D = 14°19'26"
T = 17.38'
L = 34.73'
R = 400.00'
PC STA = 10+25.00 TC
Y = 454603.523
X = 841821.891
PT STA = 10+59.73 TC
Y = 454637.083
X = 841812.984
DB = N12°22'37"W
DA = N17°21'08"W

CURVE-TC 3
PI STA = 11+37.60 TC
Y = 454712.829
X = 841795.547
DELTA = 47°04'54" RT
D = 52°05'13"
T = 47.92'
L = 90.39'
R = 110.00'
PC STA = 10+89.68 TC
Y = 454665.667
X = 841804.054
PT STA = 11+80.07 TC
Y = 454751.173
X = 841824.292
DB = N10°13'28"W
DA = N36°51'26"E

CURVE-TC 4
PI STA = 11+88.08 TC
Y = 454757.586
X = 841829.100
DELTA = 2°17'45" RT
D = 14°19'26"
T = 8.02'
L = 16.03'
R = 400.00'
PC STA = 11+80.07 TC
Y = 454751.173
X = 841824.292
PT STA = 11+96.10 TC
Y = 454763.802
X = 841834.161
DB = N36°51'26"E
DA = N39°09'11"E

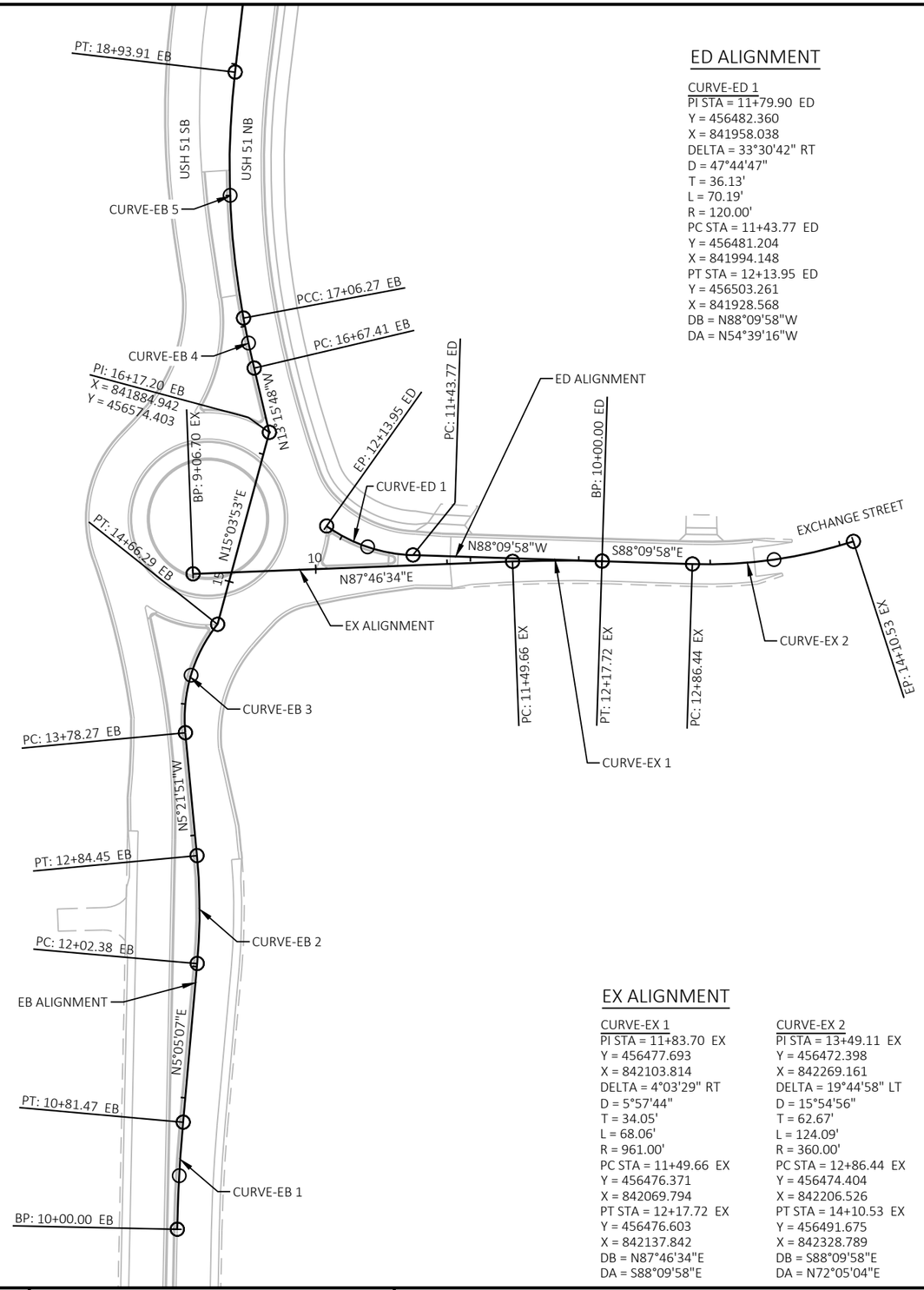
CURVE-TC 5
PI STA = 12+10.43 TC
Y = 454774.913
X = 841843.208
DELTA = 26°51'45" RT
D = 95°29'35"
T = 14.33'
L = 28.13'
R = 60.00'
PC STA = 11+96.10 TC
Y = 454763.802
X = 841834.161
PT STA = 12+24.23 TC
Y = 454780.738
X = 841856.299
DB = N39°09'11"E
DA = N66°00'56"E

CURVE-TC 6
PI STA = 12+74.95 TC
Y = 454801.353
X = 841902.637
DELTA = 17°44'21" RT
D = 17°37'46"
T = 50.72'
L = 100.62'
R = 325.00'
PC STA = 12+24.23 TC
Y = 454780.738
X = 841856.299
PT STA = 13+24.85 TC
Y = 454806.871
X = 841953.053
DB = N66°00'56"E
DA = N83°45'17"E



PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	TOWER ROAD - SUPPLEMENTAL ALIGNMENTS	SHEET 152	E

2



ED ALIGNMENT

CURVE-ED 1
PI STA = 11+79.90 ED
Y = 456482.360
X = 841958.038
DELTA = 33°30'42" RT
D = 47°44'47"
T = 36.13'
L = 70.19'
R = 120.00'
PC STA = 11+43.77 ED
Y = 456481.204
X = 841994.148
PT STA = 12+13.95 ED
Y = 456503.261
X = 841928.568
DB = N88°09'58"W
DA = N54°39'16"W

EB ALIGNMENT

CURVE-EB 1
PI STA = 10+40.75 EB
Y = 456009.973
X = 841815.873
DELTA = 3°53'24" RT
D = 4°46'29"
T = 40.75'
L = 81.47'
R = 1200.00'
PC STA = 10+00.00 EB
Y = 455969.228
X = 841815.023
PT STA = 10+81.47 EB
Y = 456050.565
X = 841819.485
DB = N01°11'43"E
DA = N05°05'07"E

CURVE-EB 2
PI STA = 12+43.53 EB
Y = 456211.985
X = 841833.850
DELTA = 10°26'58" LT
D = 12°43'57"
T = 41.15'
L = 82.07'
R = 450.00'
PC STA = 12+02.38 EB
Y = 456170.998
X = 841830.203
PT STA = 12+84.45 EB
Y = 456252.954
X = 841830.003
DB = N05°05'07"E
DA = N05°21'51"W

CURVE-EB 3
PI STA = 14+24.56 EB
Y = 456392.449
X = 841816.905
DELTA = 43°51'25" RT
D = 49°49'21"
T = 46.30'
L = 88.03'
R = 115.00'
PC STA = 13+78.27 EB
Y = 456346.356
X = 841821.233
PT STA = 14+66.29 EB
Y = 456428.684
X = 841845.720
DB = N05°21'51"W
DA = N38°29'34"E

CURVE-EB 4
PI STA = 16+86.84 EB
Y = 456642.190
X = 841868.964
DELTA = 2°41'44" RT
D = 6°56'12"
T = 19.43'
L = 38.86'
R = 826.00'
PC STA = 16+67.41 EB
Y = 456623.275
X = 841873.422
PT STA = 17+06.27 EB
Y = 456661.294
X = 841865.400
DB = N13°15'48"W
DA = N10°34'05"W

CURVE-EB 5
PI STA = 18+00.80 EB
Y = 456754.226
X = 841848.062
DELTA = 17°13'46" RT
D = 9°10'55"
T = 94.54'
L = 187.64'
R = 624.00'
PC STA = 17+06.27 EB
Y = 456661.294
X = 841865.400
PT STA = 18+93.91 EB
Y = 456848.123
X = 841859.028
DB = N10°34'05"W
DA = N06°39'41"E

EX ALIGNMENT

CURVE-EX 1
PI STA = 11+83.70 EX
Y = 456477.693
X = 842103.814
DELTA = 4°03'29" RT
D = 5°57'44"
T = 34.05'
L = 68.06'
R = 961.00'
PC STA = 11+49.66 EX
Y = 456476.371
X = 842069.794
PT STA = 12+17.72 EX
Y = 456476.603
X = 842137.842
DB = N87°46'34"E
DA = S88°09'58"E

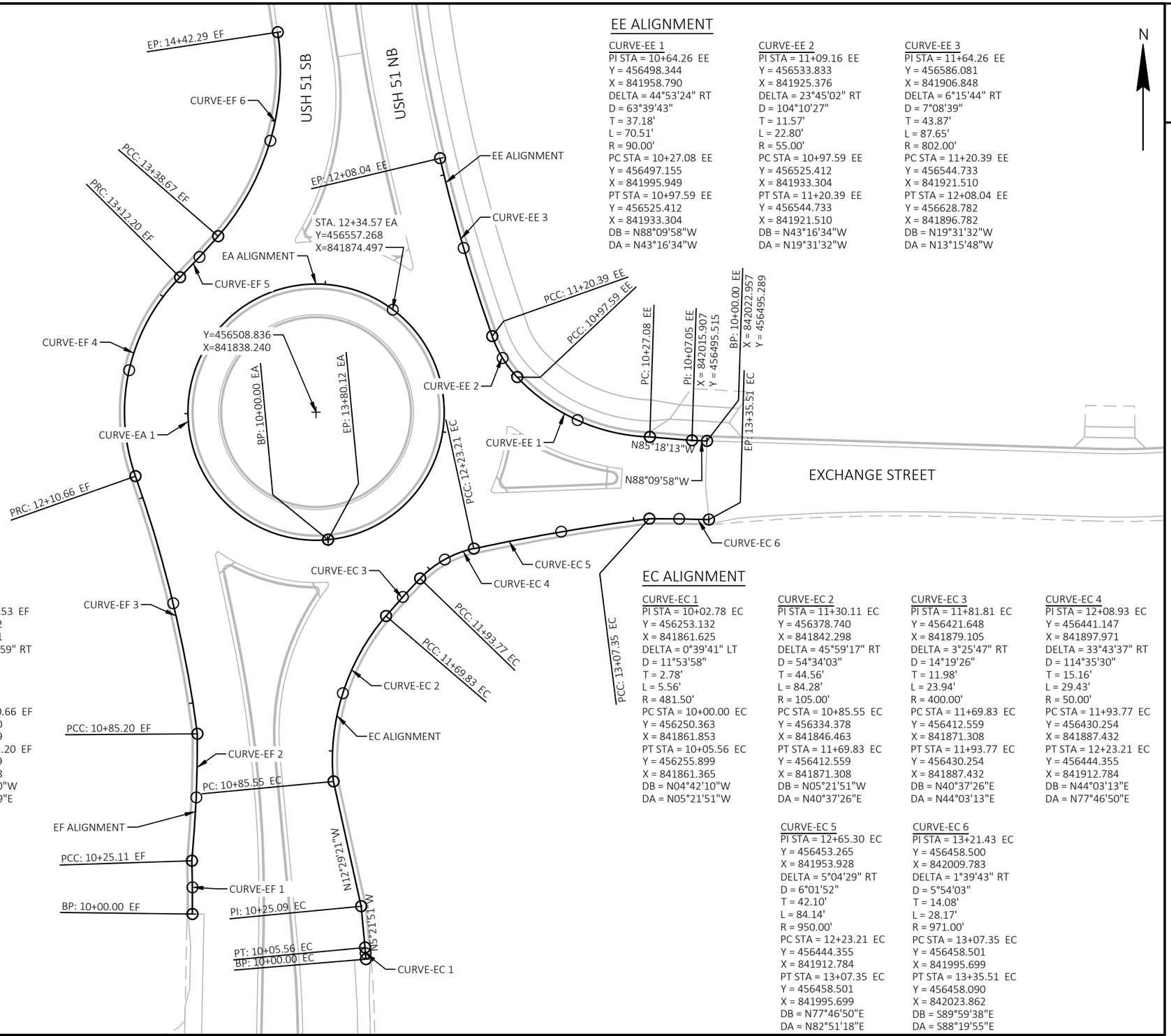
CURVE-EX 2
PI STA = 13+49.11 EX
Y = 456472.398
X = 842269.161
DELTA = 19°44'58" LT
D = 15°54'56"
T = 62.67'
L = 124.09'
R = 360.00'
PC STA = 12+86.44 EX
Y = 456474.404
X = 842206.526
PT STA = 14+10.53 EX
Y = 456491.675
X = 842328.789
DB = S88°09'58"E
DA = N72°05'04"E

PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	EXCHANGE STREET - SUPPLEMENTAL ALIGNMENTS	SHEET 153	E

2

EA ALIGNMENT

CURVE-EA 1
PI STA = 10+00.00 EA
Y = 456448.598
X = 841843.866
DELTA = 359°59'33" RT
D = 94°42'14"
T = 0.00'
L = 380.12'
R = 60.50'
PC STA = 10+00.00 EA
Y = 456448.598
X = 841843.862
PT STA = 13+80.12 EA
Y = 456448.598
X = 841843.870
DB = S84°40'04"W
DA = S84°39'37"W



N

2

EE ALIGNMENT

CURVE-EE 1
PI STA = 10+64.26 EE
Y = 456498.344
X = 841958.790
DELTA = 44°53'24" RT
D = 63°39'43"
T = 37.18'
L = 70.51'
R = 90.00'
PC STA = 10+27.08 EE
Y = 456497.155
X = 841995.949
PT STA = 10+97.59 EE
Y = 456525.412
X = 841933.304
DB = N88°09'58"W
DA = N43°16'34"W

CURVE-EE 2
PI STA = 11+09.16 EE
Y = 456533.833
X = 841925.376
DELTA = 23°45'02" RT
D = 104°10'27"
T = 11.57'
L = 22.80'
R = 55.00'
PC STA = 10+97.59 EE
Y = 456525.412
X = 841933.304
PT STA = 11+20.39 EE
Y = 456544.733
X = 841921.510
DB = N43°16'34"W
DA = N19°31'32"W

CURVE-EE 3
PI STA = 11+64.26 EE
Y = 456586.081
X = 841906.848
DELTA = 6°15'44" RT
D = 7°08'39"
T = 43.87'
L = 87.65'
R = 802.00'
PC STA = 11+20.39 EE
Y = 456544.733
X = 841921.510
PT STA = 12+08.04 EE
Y = 456628.782
X = 841896.782
DB = N19°31'32"W
DA = N13°15'48"W

EF ALIGNMENT

CURVE-EF 1
PI STA = 10+12.55 EF
Y = 456284.300
X = 841779.938
DELTA = 2°25'40" LT
D = 9°40'13"
T = 12.55'
L = 25.11'
R = 592.50'
PC STA = 10+00.00 EF
Y = 456271.746
X = 841779.798
PT STA = 10+25.11 EF
Y = 456296.849
X = 841779.547
DB = N00°38'27"E
DA = N01°47'13"W

CURVE-EF 2
PI STA = 10+55.18 EF
Y = 456326.787
X = 841782.387
DELTA = 5°48'58" LT
D = 9°40'42"
T = 30.07'
L = 60.09'
R = 592.00'
PC STA = 10+25.11 EF
Y = 456296.849
X = 841779.547
PT STA = 10+85.20 EF
Y = 456356.860
X = 841782.179
DB = N05°25'12"E
DA = N00°23'47"W

CURVE-EF 3
PI STA = 11+48.16 EF
Y = 456419.280
X = 841773.943
DELTA = 11°58'51" LT
D = 9°32'57"
T = 62.96'
L = 125.46'
R = 600.00'
PC STA = 10+85.20 EF
Y = 456356.860
X = 841782.179
PT STA = 12+10.66 EF
Y = 456478.630
X = 841752.929
DB = N07°30'59"W
DA = N19°29'50"W

CURVE-EF 4
PI STA = 12+67.53 EF
Y = 456532.232
X = 841733.951
DELTA = 64°16'59" RT
D = 63°18'37"
T = 56.86'
L = 101.54'
R = 90.50'
PC STA = 12+10.66 EF
Y = 456478.630
X = 841752.929
PT STA = 13+12.20 EF
Y = 456572.589
X = 841774.008
DB = N19°29'50"W
DA = N44°47'09"E

CURVE-EF 5
PI STA = 13+25.44 EF
Y = 456581.986
X = 841783.334
DELTA = 3°47'29" LT
D = 14°19'26"
T = 13.24'
L = 26.47'
R = 400.00'
PC STA = 13+12.20 EF
Y = 456572.589
X = 841774.008
PT STA = 13+38.67 EF
Y = 456591.978
X = 841792.019
DB = N44°47'09"E
DA = N40°59'40"E

CURVE-EF 6
PI STA = 13+93.96 EF
Y = 456633.711
X = 841828.289
DELTA = 49°28'37" LT
D = 47°44'47"
T = 55.29'
L = 103.62'
R = 120.00'
PC STA = 13+38.67 EF
Y = 456591.978
X = 841792.019
PT STA = 14+42.29 EF
Y = 456688.397
X = 841820.133
DB = N40°59'40"E
DA = N08°28'57"W

EC ALIGNMENT

CURVE-EC 1
PI STA = 10+02.78 EC
Y = 456253.132
X = 841861.625
DELTA = 0°39'41" LT
D = 11°53'58"
T = 2.78'
L = 5.56'
R = 481.50'
PC STA = 10+00.00 EC
Y = 456250.363
X = 841861.853
PT STA = 10+05.56 EC
Y = 456255.899
X = 841861.365
DB = N04°42'10"W
DA = N05°21'51"W

CURVE-EC 2
PI STA = 11+30.11 EC
Y = 456378.740
X = 841842.298
DELTA = 45°59'17" RT
D = 54°34'03"
T = 44.56'
L = 84.28'
R = 105.00'
PC STA = 10+85.55 EC
Y = 456334.378
X = 841846.463
PT STA = 11+69.83 EC
Y = 456412.559
X = 841871.308
DB = N05°21'51"W
DA = N40°37'26"E

CURVE-EC 3
PI STA = 11+81.81 EC
Y = 456421.648
X = 841879.105
DELTA = 3°25'47" RT
D = 14°19'26"
T = 11.98'
L = 23.94'
R = 400.00'
PC STA = 11+69.83 EC
Y = 456412.559
X = 841871.308
PT STA = 11+93.77 EC
Y = 456430.254
X = 841887.432
DB = N40°37'26"E
DA = N44°03'13"E

CURVE-EC 4
PI STA = 12+08.93 EC
Y = 456441.147
X = 841897.971
DELTA = 33°43'37" RT
D = 114°35'30"
T = 15.16'
L = 29.43'
R = 50.00'
PC STA = 11+93.77 EC
Y = 456430.254
X = 841887.432
PT STA = 12+23.21 EC
Y = 456444.355
X = 841912.784
DB = N44°03'13"E
DA = N77°46'50"E

CURVE-EC 5
PI STA = 12+65.30 EC
Y = 456453.265
X = 841953.928
DELTA = 5°04'29" RT
D = 6°01'52"
T = 42.10'
L = 84.14'
R = 950.00'
PC STA = 12+23.21 EC
Y = 456444.355
X = 841912.784
PT STA = 13+07.35 EC
Y = 456458.501
X = 841995.699
DB = N77°46'50"E
DA = N82°51'18"E

CURVE-EC 6
PI STA = 13+21.43 EC
Y = 456458.500
X = 842009.783
DELTA = 1°39'43" RT
D = 5°54'03"
T = 14.08'
L = 28.17'
R = 971.00'
PC STA = 13+07.35 EC
Y = 456458.501
X = 841995.699
PT STA = 13+35.51 EC
Y = 456458.090
X = 842023.862
DB = S89°59'38"E
DA = S88°19'55"E

PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	EXCHANGE STREET - SUPPLEMENTAL ALIGNMENTS	SHEET 154	E

2

SECTION CORNER
STA. 814+91.08 NB, 11.50' LT
Y:454,820.32
X:841,782.63
ALUMINUM MONUMENT

CP-VP 5
STA. 815+32.14 NB, 75.02' LT
Y: 454,862.13
X: 841,719.61
EL: 891.70

N

TOWER ROAD

T 6 N 7 E 10 9 R 10

CP-VP 5

805 NB
810 NB
815 NB
820 NB
825 NB
830 NB

USH 51

VERIFY LANDMARK REFERENCE MONUMENTS REQ'D

CRANE COURT

MATCH LINE 831+00 NB

2

SECTION CORNER
STA. 841+20.61 NB, 104.96' LT
Y:457,463.16
X:841,846.50
FOUND 3/4" REBAR

N

T 6 N 4 3 10 9 R 10 E

MATCH LINE 831+00 NB

835 NB
840 NB

USH 51

EXCHANGE STREET

CP-VP 4

CP-VP 4
Y : 458,128.37
X: 842,093.54
EL. 853.86

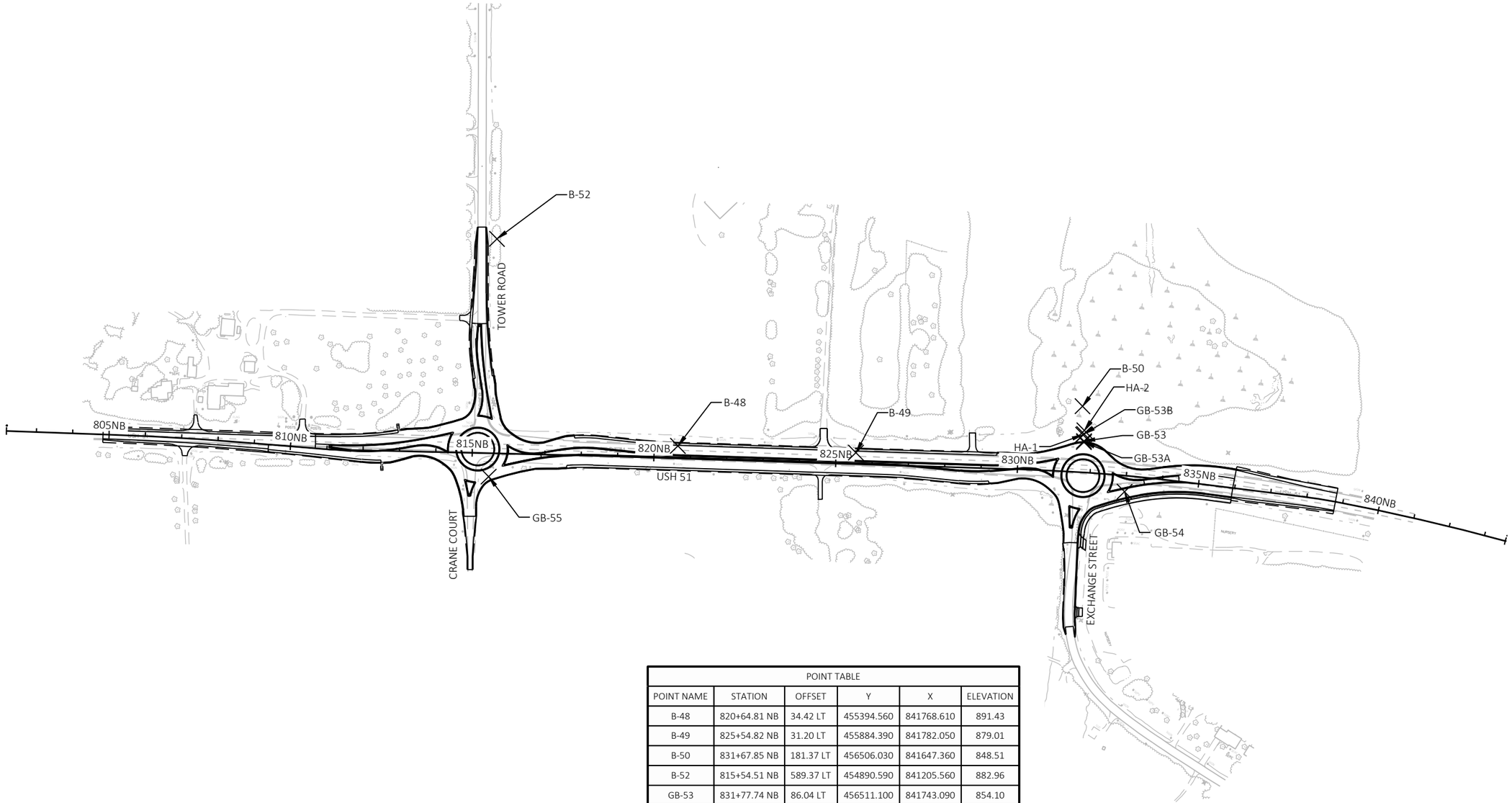
PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	CONTROL POINT DATA AND BENCHMARKS (INCLUDING SECTIONS CORNERS)	SHEET 155	E

FILE NAME : S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\027301-CP.DWG
LAYOUT NAME - 027301-cp

PLOT DATE : 7/25/2025 12:48 PM PLOT BY : KOWALSKI, NICK PLOT NAME : PLOT SCALE : 1 IN:200 FT

2

N



POINT TABLE					
POINT NAME	STATION	OFFSET	Y	X	ELEVATION
B-48	820+64.81 NB	34.42 LT	455394.560	841768.610	891.43
B-49	825+54.82 NB	31.20 LT	455884.390	841782.050	879.01
B-50	831+67.85 NB	181.37 LT	456506.030	841647.360	848.51
B-52	815+54.51 NB	589.37 LT	454890.590	841205.560	882.96
GB-53	831+77.74 NB	86.04 LT	456511.100	841743.090	854.10
GB-53A	831+77.80 NB	83.13 LT	456511.000	841746.000	855.00
GB-53B	831+76.63 NB	105.10 LT	456511.000	841724.000	852.00
GB-54	832+98.85 NB	44.27 RT	456623.810	841881.170	853.74
GB-55	815+46.78 NB	64.29 RT	454875.120	841859.080	893.20
HA-1	831+74.00 NB	103.13 LT	456508.210	841725.820	851.96
HA-2	831+76.66 NB	115.17 LT	456511.570	841713.950	850.35

PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	BORING OVERVIEW	SHEET 156	E

FILE NAME : S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\027301-XX.DWG
LAYOUT NAME - 027301_xx
PLOT DATE : 7/25/2025 1:16 PM
PLOT BY : KOWALSKI, NICK
PLOT NAME :
PLOT SCALE : 1 IN:300 FT
WISDOT/CADDS SHEET 42

Estimate Of Quantities

5845-16-84

Line	Item	Item Description	Unit	Total	Qty
0002	201.0205	Grubbing	STA	31.000	31.000
0004	203.0100	Removing Small Pipe Culverts	EACH	10.000	10.000
0006	204.0100	Removing Concrete Pavement	SY	18,010.000	18,010.000
0008	204.0150	Removing Curb & Gutter	LF	39.000	39.000
0010	204.0170	Removing Fence	LF	231.000	231.000
0012	205.0100	Excavation Common	CY	49,090.000	49,090.000
0014	208.0100	Borrow	CY	1,440.000	1,440.000
0016	213.0100	Finishing Roadway (project) 01. 5845-16-84	EACH	1.000	1.000
0018	305.0110	Base Aggregate Dense 3/4-Inch	TON	750.000	750.000
0020	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	18,750.000	18,750.000
0022	312.0110	Select Crushed Material	TON	28,089.000	28,089.000
0024	390.0100	Removing Pavement for Base Patching	CY	80.000	80.000
0026	390.0201	Base Patching Asphaltic	TON	160.000	160.000
0028	405.0100	Coloring Concrete WisDOT Red	CY	294.000	294.000
0030	415.0080	Concrete Pavement 8-Inch	SY	18,340.000	18,340.000
0032	415.0210	Concrete Pavement Gaps	EACH	3.000	3.000
0034	415.2010	Concrete Truck Apron 12-inch	SY	880.000	880.000
0036	415.4100	Concrete Pavement Joint Filling	SY	11,430.000	11,430.000
0038	415.6000.S	Rout and Seal	LF	3,158.000	3,158.000
0040	416.0610	Drilled Tie Bars	EACH	692.000	692.000
0042	450.4000	HMA Cold Weather Paving	TON	120.000	120.000
0044	455.0605	Tack Coat	GAL	510.000	510.000
0046	460.2000	Incentive Density HMA Pavement	DOL	1,470.000	1,470.000
0048	460.5224	HMA Pavement 4 LT 58-28 S	TON	412.000	412.000
0050	460.6224	HMA Pavement 4 MT 58-28 S	TON	1,888.000	1,888.000
0052	465.0105	Asphaltic Surface	TON	86.000	86.000
0054	465.0120	Asphaltic Surface Driveways and Field Entrances	TON	30.000	30.000
0056	465.0125	Asphaltic Surface Temporary	TON	1,057.000	1,057.000
0058	465.0315	Asphaltic Flumes	SY	14.000	14.000
0060	495.1000.S	Cold Patch	TON	20.000	20.000
0062	520.1018	Apron Endwalls for Culvert Pipe 18-Inch	EACH	4.000	4.000
0064	520.1024	Apron Endwalls for Culvert Pipe 24-Inch	EACH	4.000	4.000
0066	520.2012	Culvert Pipe Temporary 12-Inch	LF	66.000	66.000
0068	520.2024	Culvert Pipe Temporary 24-Inch	LF	12.000	12.000
0070	520.2036	Culvert Pipe Temporary 36-Inch	LF	10.000	10.000
0072	520.3418	Culvert Pipe Class III-A Non-metal 18-Inch	LF	72.000	72.000
0074	520.3424	Culvert Pipe Class III-A Non-metal 24-Inch	LF	70.000	70.000
0076	522.0124	Culvert Pipe Reinforced Concrete Class III 24-Inch	LF	90.000	90.000
0078	522.0136	Culvert Pipe Reinforced Concrete Class III 36-Inch	LF	142.000	142.000
0080	522.0424	Culvert Pipe Reinforced Concrete Class IV 24-Inch	LF	36.000	36.000
0082	522.1012	Apron Endwalls for Culvert Pipe Reinforced Concrete 12-Inch	EACH	8.000	8.000
0084	522.1015	Apron Endwalls for Culvert Pipe Reinforced Concrete 15-Inch	EACH	1.000	1.000
0086	522.1018	Apron Endwalls for Culvert Pipe Reinforced Concrete 18-Inch	EACH	1.000	1.000
0088	522.1024	Apron Endwalls for Culvert Pipe Reinforced Concrete 24-Inch	EACH	5.000	5.000
0090	522.1036	Apron Endwalls for Culvert Pipe Reinforced Concrete 36-Inch	EACH	2.000	2.000
0092	524.0624	Apron Endwalls for Culvert Pipe Salvaged 24-Inch	EACH	2.000	2.000
0094	531.2042	Drilling Shaft 42-Inch	LF	72.000	72.000
0096	531.5130	Foundation Single-Shaft Type MC-III (structure) 01. S-13-0605	EACH	1.000	1.000
0098	531.5130	Foundation Single-Shaft Type MC-III (structure) 02. S-13-0606	EACH	1.000	1.000

5845-16-84

Line	Item	Item Description	Unit	Total	Qty
0100	531.5130	Foundation Single-Shaft Type MC-III (structure) 03. S-13-0607	EACH	1.000	1.000
0102	531.5130	Foundation Single-Shaft Type MC-III (structure) 04. S-13-0608	EACH	1.000	1.000
0104	532.5130	Monotube Cantilever Type III (structure) 01. S-13-0605	EACH	1.000	1.000
0106	532.5130	Monotube Cantilever Type III (structure) 02. S-13-0606	EACH	1.000	1.000
0108	532.5130	Monotube Cantilever Type III (structure) 03. S-13-0607	EACH	1.000	1.000
0110	532.5130	Monotube Cantilever Type III (structure) 04. S-13-0608	EACH	1.000	1.000
0112	601.0405	Concrete Curb & Gutter 18-Inch Type A	LF	566.000	566.000
0114	601.0409	Concrete Curb & Gutter 30-Inch Type A	LF	7,240.000	7,240.000
0116	601.0411	Concrete Curb & Gutter 30-Inch Type D	LF	229.000	229.000
0118	601.0551	Concrete Curb & Gutter 4-Inch Sloped 36-Inch Type A	LF	536.000	536.000
0120	601.0581	Concrete Curb & Gutter 4-Inch Sloped 30-Inch Type R	LF	736.000	736.000
0122	602.0410	Concrete Sidewalk 5-Inch	SF	27,340.000	27,340.000
0124	602.0810	Concrete Driveway 6-Inch	SY	43.000	43.000
0126	606.0200	Riprap Medium	CY	51.000	51.000
0128	608.0312	Storm Sewer Pipe Reinforced Concrete Class III 12-Inch	LF	263.000	263.000
0130	608.0315	Storm Sewer Pipe Reinforced Concrete Class III 15-Inch	LF	107.000	107.000
0132	608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	LF	17.000	17.000
0134	608.0324	Storm Sewer Pipe Reinforced Concrete Class III 24-Inch	LF	157.000	157.000
0136	608.0412	Storm Sewer Pipe Reinforced Concrete Class IV 12-Inch	LF	577.000	577.000
0138	608.0415	Storm Sewer Pipe Reinforced Concrete Class IV 15-Inch	LF	108.000	108.000
0140	608.0418	Storm Sewer Pipe Reinforced Concrete Class IV 18-Inch	LF	51.000	51.000
0142	608.0424	Storm Sewer Pipe Reinforced Concrete Class IV 24-Inch	LF	55.000	55.000
0144	611.0613	Inlet Covers Type DW	EACH	4.000	4.000
0146	611.0624	Inlet Covers Type H	EACH	16.000	16.000
0148	611.0627	Inlet Covers Type HM	EACH	4.000	4.000
0150	611.0639	Inlet Covers Type H-S	EACH	21.000	21.000
0152	611.0645	Inlet Covers Type MS-A	EACH	2.000	2.000
0154	611.0652	Inlet Covers Type T	EACH	4.000	4.000
0156	611.3004	Inlets 4-FT Diameter	EACH	18.000	18.000
0158	611.3225	Inlets 2x2.5-FT	EACH	3.000	3.000
0160	611.3230	Inlets 2x3-FT	EACH	24.000	24.000
0162	611.3902	Inlets Median 2 Grate	EACH	1.000	1.000
0164	611.8120.S	Cover Plates Temporary	EACH	15.000	15.000
0166	616.0700.S	Fence Safety	LF	1,339.000	1,339.000
0168	618.0100	Maintenance and Repair of Haul Roads (project) 01. 5845-16-84	EACH	1.000	1.000
0170	619.1000	Mobilization	EACH	1.000	1.000
0172	620.0300	Concrete Median Sloped Nose	SF	776.000	776.000
0174	624.0100	Water	MGAL	999.000	999.000
0176	625.0100	Topsoil	SY	46,302.000	46,302.000
0178	627.0200	Mulching	SY	35,230.000	35,230.000
0180	628.1504	Silt Fence	LF	6,350.000	6,350.000
0182	628.1520	Silt Fence Maintenance	LF	18,120.000	18,120.000
0184	628.1905	Mobilizations Erosion Control	EACH	21.000	21.000
0186	628.1910	Mobilizations Emergency Erosion Control	EACH	10.000	10.000
0188	628.2004	Erosion Mat Class I Type B	SY	28,630.000	28,630.000
0190	628.2006	Erosion Mat Urban Class I Type A	SY	6,750.000	6,750.000
0192	628.2037	Erosion Mat Class III Type C	SY	1,342.000	1,342.000
0194	628.7005	Inlet Protection Type A	EACH	50.000	50.000
0196	628.7010	Inlet Protection Type B	EACH	1.000	1.000

Estimate Of Quantities

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Line	Item	Item Description	Unit	Total	Qty
0198	628.7015	Inlet Protection Type C	EACH	27.000	27.000
0200	628.7020	Inlet Protection Type D	EACH	22.000	22.000
0202	628.7504	Temporary Ditch Checks	LF	433.000	433.000
0204	628.7515.S	Stone Ditch Checks	CY	317.000	317.000
0206	628.7555	Culvert Pipe Checks	EACH	58.000	58.000
0208	628.7560	Tracking Pads	EACH	7.000	7.000
0210	628.7570	Rock Bags	EACH	226.000	226.000
0212	629.0210	Fertilizer Type B	CWT	49.000	49.000
0214	630.0130	Seeding Mixture No. 30	LB	1,832.000	1,832.000
0216	630.0200	Seeding Temporary	LB	226.000	226.000
0218	630.0300	Seeding Borrow Pit	LB	24.000	24.000
0220	630.0500	Seed Water	MGAL	1,179.000	1,179.000
0222	631.0300	Sod Water	MGAL	0.300	0.300
0224	631.1000	Sod Lawn	SY	13.000	13.000
0226	631.1100	Sod Erosion Control	SY	13.000	13.000
0228	632.9101	Landscape Planting Surveillance and Care Cycles	EACH	22.000	22.000
0230	633.5200	Markers Culvert End	EACH	25.000	25.000
0232	634.0612	Posts Wood 4x6-Inch X 12-FT	EACH	7.000	7.000
0234	634.0614	Posts Wood 4x6-Inch X 14-FT	EACH	14.000	14.000
0236	634.0616	Posts Wood 4x6-Inch X 16-FT	EACH	40.000	40.000
0238	634.0618	Posts Wood 4x6-Inch X 18-FT	EACH	6.000	6.000
0240	634.0620	Posts Wood 4x6-Inch X 20-FT	EACH	11.000	11.000
0242	637.2210	Signs Type II Reflective H	SF	691.510	691.510
0244	637.2230	Signs Type II Reflective F	SF	124.750	124.750
0246	638.2102	Moving Signs Type II	EACH	1.000	1.000
0248	638.2602	Removing Signs Type II	EACH	22.000	22.000
0250	638.3000	Removing Small Sign Supports	EACH	25.000	25.000
0252	642.5201	Field Office Type C	EACH	1.000	1.000
0254	643.0300	Traffic Control Drums	DAY	41,857.000	41,857.000
0256	643.0420	Traffic Control Barricades Type III	DAY	5,756.000	5,756.000
0258	643.0500	Traffic Control Flexible Tubular Marker Posts	EACH	28.000	28.000
0260	643.0600	Traffic Control Flexible Tubular Marker Bases	EACH	28.000	28.000
0262	643.0705	Traffic Control Warning Lights Type A	DAY	11,268.000	11,268.000
0264	643.0715	Traffic Control Warning Lights Type C	DAY	6,190.000	6,190.000
0266	643.0810	Traffic Control Connected Arrow Boards	DAY	426.000	426.000
0268	643.0900	Traffic Control Signs	DAY	17,646.000	17,646.000
0270	643.1050	Traffic Control Signs PCMS	DAY	170.000	170.000
0272	643.1220	Traffic Control Connected Work Zone Start and End Location Markers	DAY	404.000	404.000
0274	643.3170	Temporary Marking Line Epoxy 6-Inch	LF	19,020.000	19,020.000
0276	643.3180	Temporary Marking Line Removable Tape 6-Inch	LF	17,426.000	17,426.000
0278	643.3820	Temporary Marking Stop Line Epoxy 18-Inch	LF	22.000	22.000
0280	643.3850	Temporary Marking Stop Line Removable Tape 18-Inch	LF	111.000	111.000
0282	643.5000	Traffic Control	EACH	1.000	1.000
0284	645.0120	Geotextile Type HR	SY	166.000	166.000
0286	645.0130	Geotextile Type R	SY	720.000	720.000
0288	646.2020	Marking Line Epoxy 6-Inch	LF	10,322.000	10,322.000
0290	646.2025	Marking Line Grooved Black Epoxy 6-Inch	LF	806.000	806.000
0292	646.2040	Marking Line Grooved Wet Ref Epoxy 6-Inch	LF	8,282.000	8,282.000
0294	646.4040	Marking Line Grooved Wet Ref Epoxy 10-Inch	LF	1,464.000	1,464.000

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Line	Item	Item Description	Unit	Total	Qty
0296	646.5020	Marking Arrow Epoxy	EACH	22.000	22.000
0298	646.6320	Marking Dotted Extension Epoxy 18-Inch	LF	181.000	181.000
0300	646.7120	Marking Diagonal Epoxy 12-Inch	LF	506.000	506.000
0302	646.7320	Marking Chevron Epoxy 12-Inch	LF	85.000	85.000
0304	646.8120	Marking Curb Epoxy	LF	171.000	171.000
0306	646.8220	Marking Island Nose Epoxy	EACH	4.000	4.000
0308	646.9010	Marking Removal Line Water Blasting 4-Inch	LF	4,930.000	4,930.000
0310	650.4000	Construction Staking Storm Sewer	EACH	57.000	57.000
0312	650.4500	Construction Staking Subgrade	LF	11,166.000	11,166.000
0314	650.5000	Construction Staking Base	LF	5,622.000	5,622.000
0316	650.5500	Construction Staking Curb Gutter and Curb & Gutter	LF	229.000	229.000
0318	650.6000	Construction Staking Pipe Culverts	EACH	7.000	7.000
0320	650.7000	Construction Staking Concrete Pavement	LF	5,544.000	5,544.000
0322	650.8501	Construction Staking Electrical Installations (project) 01. 5845-16-84	EACH	1.000	1.000
0324	650.9500	Construction Staking Sidewalk (project) 01. 5845-16-84	EACH	1.000	1.000
0326	650.9911	Construction Staking Supplemental Control (project) 01. 5845-16-84	EACH	1.000	1.000
0328	650.9920	Construction Staking Slope Stakes	LF	12,527.000	12,527.000
0330	652.0225	Conduit Rigid Nonmetallic Schedule 40 2-Inch	LF	2,356.000	2,356.000
0332	652.0235	Conduit Rigid Nonmetallic Schedule 40 3-Inch	LF	1,301.000	1,301.000
0334	653.0164	Pull Boxes Non-Conductive 24x42-Inch	EACH	19.000	19.000
0336	654.0105	Concrete Bases Type 5	EACH	23.000	23.000
0338	654.0230	Concrete Control Cabinet Bases Type L30	EACH	2.000	2.000
0340	655.0610	Electrical Wire Lighting 12 AWG	LF	3,645.000	3,645.000
0342	655.0615	Electrical Wire Lighting 10 AWG	LF	14,986.000	14,986.000
0344	656.0201	Electrical Service Meter Breaker Pedestal (location) 01. USH 51 & Tower Road	EACH	1.000	1.000
0346	656.0201	Electrical Service Meter Breaker Pedestal (location) 02. USH 51 & Exchange Street	EACH	1.000	1.000
0348	657.0255	Transformer Bases Breakaway 11 1/2-Inch Bolt Circle	EACH	23.000	23.000
0350	657.0322	Poles Type 5-Aluminum	EACH	23.000	23.000
0352	657.0710	Luminaire Arms Truss Type 4 1/2-Inch Clamp 12-FT	EACH	25.000	25.000
0354	659.1120	Luminaires Utility LED B	EACH	25.000	25.000
0356	659.2130	Lighting Control Cabinets 120/240 30-Inch	EACH	2.000	2.000
0358	680.0100	Public Land Reference Monument Verify and Reset	EACH	1.000	1.000
0360	690.0150	Sawing Asphalt	LF	2,966.000	2,966.000
0362	690.0250	Sawing Concrete	LF	5,261.000	5,261.000
0364	715.0720	Incentive Compressive Strength Concrete Pavement	DOL	5,766.000	5,766.000
0366	ASP.1T0A	On-the-Job Training Apprentice at $5.00/HR	HRS	2,400.000	2,400.000
0368	ASP.1T0G	On-the-Job Training Graduate at $5.00/HR	HRS	2,160.000	2,160.000
0370	SPV.0060	Special 02. Research and Locate Existing Land Parcel Monuments	EACH	4.000	4.000
0372	SPV.0060	Special 03. Verify and Replace Existing Land Parcel Monuments	EACH	4.000	4.000
0374	SPV.0060	Special 04. Utility Line Opening (ULO)	EACH	10.000	10.000
0376	SPV.0060	Special 05. Temporary Lighting System Tower Road Roundabout	EACH	1.000	1.000
0378	SPV.0060	Special 06. Temporary Lighting System Exchange Street Roundabout	EACH	1.000	1.000
0380	SPV.0060	Special 07. Perennials, June Grass, Container, #SP2	EACH	2,560.000	2,560.000
0382	SPV.0060	Special 08. Perennials, Little Bluestem, Container, #SP2	EACH	1,088.000	1,088.000
0384	SPV.0060	Special 09. Perennials, Prairie Dropseed, Container, #SP2	EACH	896.000	896.000
0386	SPV.0060	Special 10. Perennials, Purple Love Grass, Container, #SP2	EACH	3,136.000	3,136.000
0388	SPV.0060	Special 11. Perennials, Switch Grass, Container, #SP2	EACH	128.000	128.000
0390	SPV.0060	Special 12. Apron Endwalls for Culvert Pipe Temporary 12-Inch	EACH	3.000	3.000
0392	SPV.0060	Special 13. Apron Endwalls for Culvert Pipe Temporary 36-Inch	EACH	1.000	1.000

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Line	Item	Item Description	Unit	Total	Qty
0394	SPV.0090	Special 01. Pipe Underdrain (6-inch) with Geotextile Fabric and Aggregate	LF	880.000	880.000
0396	SPV.0180	Special 01. Shredded Hardwood Bark Mulch, 3-Inch Depth	SY	1,382.000	1,382.000

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GRUBBING SUMMARY

CATEGORY	STATION	-	STATION	LOCATION	201.0205 GRUBBING STA
0010	804+00 NB	-	808+00 NB	RT/LT	4
	809+00 NB	-	815+00 NB	RT/LT	6
	816+00 NB	-	817+00 NB	RT/LT	1
	819+00 NB	-	820+00 NB	RT/LT	1
	822+00 NB	-	830+00 NB	RT/LT	8
	834+00 NB	-	838+00 NB	LT	4
	12+00 TR	-	15+00 TR	RT/LT	3
	10+00 EX	-	14+00 EX	RT	4
				TOTAL	31

REMOVING SMALL PIPE CULVERTS

CATEGORY	STATION	-	STATION	LOCATION	203.0100 EACH	APPROX. SIZE AND LENGTH
0010	13+75 SB			LT/RT	1	24" X 75'
	14+10 SB	-	14+65 SB	LT	1	18" X 50'
	814+50 NB	-	815+30 NB	RT	1	24" X 80'
	14+40 TR	-	14+75 TR	RT	1	18" X 35'
	824+40 NB	-	824+75 NB	RT	1	18" X 35'
	28+65 SB	-	29+15 SB	LT	1	24" X 50'
	32+85 SB	-	33+15 SB	LT	1	24" X 30'
	831+05 NB			LT/RT	1	30" X 150'
	9+75 EX			LT/RT	1	24" X 125'
	10+90 EX	-	11+20 EX	LT	1	15" X 30'
				TOTAL	10	

REMOVING CONCRETE PAVEMENT

CATEGORY	STAGE	STATION	-	STATION	LOCATION	204.0100 SY
0010	2	804+83 NB	-	824+00 NB	RT/LT	3,550
		824+00 NB	-	838+80 NB	RT/LT	4,640
					STAGE 2 SUBTOTAL	8,190
	3	804+83 NB		19+09 SB	RT/LT	2,270
		19+59 SB		28+00 SB	RT/LT	2,570
		28+00 SB		838+80 NB	RT/LT	4,580
					STAGE 3 SUBTOTAL	9,420
	3B	19+09 SB		19+59 SB	RT/LT	400
					STAGE 3B SUBTOTAL	400
					TOTAL	18,010

REMOVING CURB & GUTTER

CATEGORY	STAGE	STATION	-	STATION	LOCATION	204.0150 LF
0010	1	17+57 TR	-	17+58 TR	LT	23
		17+74 TR	-	17+80 TR	RT	16
					TOTAL	39

REMOVING FENCE

CATEGORY	STATION	-	STATION	LOCATION	204.0170 LF
0010	835+57 NB	-	837+56 NB	RT	231

DIVISION	FROM/TO STATION	LOCATION	205.0100 COMMON EXCAVATION (1) CUT (2)	205.0100 COMMON EXCAVATION (1) EBS EXCAVATION (3)	SALVAGED/UNUSABLE PAVEMENT MATERIAL	AVAILABLE MATERIAL (4)	REDUCED EBS IN FILL (5) FACTOR 0.80	UNEXPANDED FILL	EXPANDED FILL (6) FACTOR 1.25	MASS ORDINATE +/- (7)	WASTE (8)	208.0100 BORROW	*312.0110 SELECT CRUSHED MATERIAL	*624.0100 Water
DIVISION 1 - STAGE 1														
NB - SB TEMP WIDENING	802+82.96/839+22.38	LT	2,719	134	0	2,719	107	246	308	2,519			255	5.7
DIVISION 1 SUBTOTAL			2,719	134	0	2,719	107	246	308	2,519	2,519	0	255	5.7
DIVISION 2 - STAGE 2														
EA	10+00.25/13+75.00	LT/RT	746	38	173	573	30	272	340	263			72	1.6
EB - EXCHANGE NB LEGS	12+60.20/18+93.91	LT/RT	1,668	83	164	1,504	66	886	1,108	463			158	3.5
ED - RADII	10+17.72/12+13.94	LT/RT	328	16	61	267	13	57	71	209			30	0.7
EX - EXCHANGE LEG	10+00.00/13+33.00	LT/RT	803	40	38	765	32	288	360	437			76	1.7
TA	11+47.49/13+48.34	LT/RT	1,758	88	174	1,584	70	2	3	1,652			167	3.7
TB - TOWER NB LEGS	10+91.28/17+03.85	LT/RT	3,229	162	144	3,085	130	2	3	3,212			308	6.8
TD - RADII	10+00.46/10+97.15	LT/RT	687	34	8	679	27	0	0	706			65	1.4
TR - EAST APPROACH LEG	19+00.41/21+50.00	LT/RT	1,908	96	0	1,908	77	0	0	1,985			182	4.0
NB - SOUTH OF TOWER	802+93.81/812+00.00	LT/RT	959	49	100	859	39	810	1,013	-114			93	2.0
NB - TOWER TO EXCHANGE	818+00.00/829+00.15	LT/RT	7,728	267	193	7,535	214	750	938	6,811			507	16.0
NB - NORTH OF EXCHANGE	835+20.80/838+79.59	LT/RT	1,351	67	229	1,122	54	122	153	1,023			127	2.8
DIVISION 2 SUBTOTAL			21,165	940	1,284	19,881	752	3,189	3,986	16,647	16,647	0	1,786	44.2
DIVISION 3 - STAGE 3														
EA	10+10.81/11+92.25	LT/RT	1,208	60	204	1,004	48	8	10	1,042			114	2.5
TA	10+25.00/13+75.00	LT/RT	756	38	145	611	30	32	40	601			72	1.6
TG - TEMP BYPASS LANE	12+00.00/12+66.64	LT/RT	671	34	0	671	27	0	0	698			65	1.4
TR - TEMP BYPASS LANE	12+87.10/16+66.12	LT/RT	751	39	0	751	31	54	68	715			74	1.6
NB - SOUTH OF TOWER	804+83.49/805+90.11	LT/RT	153	8	37	116	6	0	0	122			15	0.3
NB - NORTH OF EXCHANGE	837+89.35/838+79.58	LT/RT	161	8	62	99	6	4	5	100			15	0.3
SB - SOUTH OF TOWER	10+00.15/17+09.14	LT/RT	2,244	111	458	1,786	89	37	46	1,829			211	4.7
SB - TOWER SB LEGS	17+09.14/22+06.00	LT/RT	1,638	82	305	1,333	66	239	299	1,100			156	3.4
SB - TOWER TO EXCHANGE	22+06.00/33+68.00	LT/RT	5,396	271	1,019	4,377	217	121	151	4,443			515	11.0
SB - EXCHANGE SB LEGS	33+68.00/40+32.70	LT/RT	2,420	121	460	1,960	97	41	51	2,006			230	5.1
SB - NORTH OF EXCHANGE	40+32.70/42+27.01	LT/RT	608	31	138	470	25	5	6	489			59	1.3
DIVISION 3 SUBTOTAL			16,006	803	2,828	13,178	642	541	676	13,144	13,144	0	1,526	33.2
DIVISION 4 - STAGE 3A														
TA	10+29.77/10+83.95	LT/RT	286	14	94	192	11	0	0	203			27	0.6
TG	10+00.00/12+00.00	LT/RT	390	20	13	377	16	0	0	393			38	0.8
TR	14+65.54/17+23.86	LT/RT	1,042	52	66	976	42	15	19	999			99	2.2
DIVISION 4 SUBTOTAL			1,718	86	173	1,545	69	15	19	1,595	1,595	0	163	3.6

*ADDITIONAL QUANTITY LISTED ELSEWHERE

CONTINUED ON NEXT PAGE

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 SELECT CRUSHED MATERIAL. ITEM NUMBER 312.0110
(4) AVAILABLE MATERIAL = CUT - SALVAGED/UNUSUABLE PAVEMENT MATERIAL
(5) REDUCED EBS IN FILL - EXCAVATED EBS MATERIAL IS USUABLE IN FILLS OUTSIDE THE 1:1 SLOPE WHEN PROPOSED SLOPES ARE FLATTER THAN A 3:1 SLOPE. EBS IN FILL REDUCTION FACTOR = 0.80
(6) EXPANDED FILL = (UNEXPANDED FILL)*EXPANDED FILL FACTOR. EXPANDED FILL FACTOR = 1.25
(7) MASS ORDINATE: MASS ORDINATE = CUT+REDUCED EBS IN FILL-SALVAGED/UNUSABLE PAVEMENT MATERIAL-EXPANDED FILL
THE MASS ORDINATE + OR - QTY CALCULATED FOR THE DIVISION. PLUS QUANTITY INDICATED AN EXCESS OF MATERIAL WITHIN THE DIVISION. MINUS INDICATES A SHORTAGE OF MATERIAL WITHIN THE DIVISION.
(8) WASTE = MASS ORDINATE
(9) FACTORS USED TO COMPUTE ANTICIPATED WASTE AND THE COMPUTED WASTE VOLUME IDENTIFIED ARE FOR GENERAL INFORMATION ONLY.

CONTINUED ON PREVIOUS PAGE

DIVISION	FROM/TO STATION	LOCATION	205.0100 COMMON EXCAVATION (1) CUT (2)	205.0100 COMMON EXCAVATION (1) EBS EXCAVATION (3)	SALVAGED/UNUSABLE PAVEMENT MATERIAL	AVAILABLE MATERIAL (4)	REDUCED EBS IN FILL (5) FACTOR 0.80	UNEXPANDED FILL	EXPANDED FILL (6) FACTOR 1.25	MASS ORDINATE +/- (7)	WASTE (8)	208.0100 BORROW	*312.0110 SELECT CRUSHED MATERIAL	*624.0100 Water
DIVISION 5 - STAGE 3B														
TR	12+00.00/14+65.34	LT/RT	1,075	53	87	988	42	46	58	973			101	2.3
TG	10+00.01/12+66.62	LT	607	30	46	561	24	375	469	116			57	1.3
TF - RADII	11+18.90/11+69.55	LT	21	1	0	21	1	3	4	18			2	---
DIVISION 5 SUBTOTAL			1,703	84	133	1,570	67	424	530	1,107	1,107	0	160	3.6
DIVISION 6 - STAGE 4														
EA	10+00.25/13+75.00	LT/RT	0	0	44	-44	0	775	969	-1,013			0	---
EB - CURB	12+79.26/14+69.70	RT	182	0	20	162	0	37	46	116			0	0.4
TA	10+00.00/13+75.00	LT/RT	3	0	66	-63	0	524	655	-718			0	---
NB	804+83.49/811+08.58	RT	224	0	51	173	0	53	66	107			0	0.4
TB - SHOULDER	10+00.00/10+97.80	RT	1	0	3	-2	0	44	55	-57			0	0.0
TB - CURB	11+38.52/13+41.15	RT	185	0	21	164	0	31	39	125			0	0.4
DIVISION 6 SUBTOTAL			595	0	205	390	0	1,464	1,830	-1,440	0	1,440	0	1.2
GRAND TOTAL			43,906	2,047	4,623	39,283	1,638	5,879	7,349	33,572	35,012	1,440	3,889	91.5
TOTAL COMMON EXC			46,000											

*ADDITIONAL QUANTITY LISTED ELSEWHERE

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(6) EXPANDED FILL = (UNEXPANDED FILL)*EXPANDED FILL FACTOR. EXPANDED FILL FACTOR = 1.25
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THE MASS ORDINATE + OR - QTY CALCULATED FOR THE DIVISION. PLUS QUANTITY INDICATED AN EXCESS OF MATERIAL WITHIN THE DIVISION. MINUS INDICATES A SHORTAGE OF MATERIAL WITHIN THE DIVISION.
(8) WASTE = MASS ORDINATE
(9) FACTORS USED TO COMPUTE ANTICIPATED WASTE AND THE COMPUTED WASTE VOLUME IDENTIFIED ARE FOR GENERAL INFORMATION ONLY.

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BASE AGGREGATE SUMMARY

CATEGORY	STAGE	STATION	-	STATION	LOCATION	305.0110 BASE AGGREGATE DENSE 3/4-INCH TON	305.0120 BASE AGGREGATE DENSE 1 1/4-INCH TON	312.0110* SELECT CRUSHED MATERIAL TON	624.0100* WATER MGAL
0010	1	802+82 NB	-	820+55 NB	LT	---	1,150	---	25
		826+98 NB	-	839+22 NB	LT	---	510	---	11
					STAGE 1 SUBTOTALS	0	1,660	0	36
	2	802+93 NB	-	824+00 NB	LT/RT	68	4,290	6,010	220.0
		824+00 NB	-	838+80 NB	LT/RT	110	4,030	5,180	190.0
		20+04 TR	-	21+50 TR	LT/RT	22	260	---	6.2
		11+02 EX	-	13+65 EX	LT/RT	39	390	820	26.0
					STAGE 2 SUBTOTALS	239	8,970	12,010	442.2
	3	804+83 NB	-	824+00 NB	LT/RT	180	3,050	4,930	170.0
		824+00 NB	-	838+80 NB	LT/RT	100	2,730	4,590	150.0
		12+87 TR	-	16+50 TR	LT	---	350	---	7.8
					STAGE 3 SUBTOTALS	280	6,130	9,520	327.8
	3A	14+64 TR	-	17+64 TR	LT/RT	51	690	1,900	54
					STAGE 3A SUBTOTALS	51	690	1,900	54
	3B	12+00 TR	-	16+15 TR	LT/RT	86	730	770	33
					STAGE 3B SUBTOTALS	86	730	770	33
	4	806+90 NB	-	824+00 NB	LT/RT	94	340	---	9.5
		824+00 NB	-	833+50 NB	LT/RT	---	230	---	5.0
					STAGE 4 SUBTOTALS	94	570	0	14.5
					TOTALS	750	18,750	24,200	907.5

*ADDITIONAL QUANTITY LISTED ELSEWHERE

BASE PATCHING SUMMARY

CATEGORY	STAGE	STATION	-	STATION	LOCATION	390.0100 REMOVING PAVEMENT FOR BASE PATCHING CY	390.0201 BASE PATCHING ASPHALTIC TON	* 690.0250 SAWING CONCRETE LF
0010	1	814+05 NB	-	817+50 NB	LT	80	160	440
					TOTALS	80	160	440

*ADDITIONAL QUANTITIES LISTED ELSEWHERE.

DRILLED TIE BARS

CATEGORY	STAGE	STATION	-	STATION	LOCATION	416.0610 EACH
0010	4	812+50 NB	-	817+05 NB	LT/RT	343
		829+22 NB	-	834+00 NB	LT/RT	349
					TOTAL	692

CONCRETE PAVEMENT SUMMARY

CATEGORY	STAGE	STATION	-	STATION	LOCATION	405.0100 COLORING CONCRETE WISDOT RED CY	415.0080 CONCRETE PAVEMENT 8-INCH SY	415.2010 CONCRETE TRUCK APRON 12-INCH SY	* 415.4100 CONCRETE PAVEMENT JOINT FILLING SY	415.6000.S ROUT AND SEAL LF
0010	2	809+40 NB	-	824+00 NB	RT/LT	---	5,110	---	2,410	950
		824+00 NB	-	835+94 NB	RT/LT	---	4,340	---	2,450	522
					STAGE 2 SUBTOTALS	0	9,450	0	4,860	1,472
	3	14+77 SB	-	18+99 SB	LT	---	1,270	---	680	227
		19+31 SB	-	28+00 SB	LT	---	2,760	---	1,040	596
		28+00 SB	-	40+34 SB	LT/RT	---	3,810	---	1,750	566
					STAGE 3 SUBTOTALS	0	7,840	0	3,470	1,389
	3A	14+63 TR	-	16+66 TR	LT	---	390	---	130	145
		14+65 TR	-	17+64 TR	RT	---	660	---	440	152
					STAGE 3A SUBTOTALS	0	1,050	0	570	297
	4	812+57 NB	-	815+70 NB	LT/RT	147	---	440	440	---
		831+20 NB	-	832+41 NB	LT/RT	147	---	440	440	---
					STAGE 4 SUBTOTALS	294	0	880	880	0
					TOTALS	294	18,340	880	9,780	3,158

*ADDITIONAL QUANTITIES LISTED ELSEWHERE.

CONCRETE PAVEMENT GAPS

CATEGORY	STAGE	STATION	LOCATION	415.0210 EACH
0010	2	815+00 NB	RT	1
			STAGE 2 SUBTOTAL	1
	3	28+90 SB	LT	1
		33+00 SB	LT	1
			STAGE 3 SUBTOTAL	2
			TOTAL	3

ASPHALTIC ITEMS

CATEGORY	STAGE	STATION	-	STATION	LOCATION	450.4000 HMA COLD WEATHER PAVING TON	455.0605 TACK COAT GAL	460.5224 HMA PAVEMENT 4 LT 58-28 S TON	460.6224 HMA PAVEMENT 4 MT 58-28 S TON	465.0105 ASPHALTIC SURFACE TON	465.0120 ASPHALTIC DRIVEWAYS AND FIELD ENTRANCES TON	465.0125 ASPHALTIC SURFACE TEMPORARY TON
0010	1	802+83 NB	-	814+77 NB	LT	70	---	---	---	---	---	246
		815+81 NB	-	820+55 NB	LT	20	---	---	---	---	---	50
		826+98 NB	-	839+22 NB	LT	30	---	---	---	---	---	102
					STAGE 1 SUBTOTALS	120	0	0	0	0	0	398
	2	802+94 NB	-	812+50 NB	LT/RT	---	98	---	438	---	---	---
		812+50 NB	-	817+05 NB	RT/LT	---	---	---	---	---	---	243
		817+60 NB	-	824+00 NB	RT	---	21	96	---	---	---	---
		824+00 NB	-	829+23 NB	RT/LT	---	18	81	---	---	---	7
		829+23 NB	-	834+00 NB	RT/LT	---	---	---	---	50	---	228
		834+44 NB	-	838+80 NB	LT/RT	---	50	---	225	36	---	---
		20+05 TR	-	21+50 TR	RT/LT	---	16	---	71	---	---	---
		11+02 EX	-	13+65 EX	RT/LT	---	41	---	207	---	6	---
					STAGE 2 SUBTOTALS	0	244	177	941	86	6	478
	3	802+94 NB	-	14+77 SB	RT/LT	---	82	---	366	---	---	---
		14+77 SB	-	17+09 SB	LT	---	8	34	---	---	---	---
		18+31 SB	-	20+31 SB	RT/LT	---	---	---	---	---	---	26
		22+06 SB	-	28+00 SB	LT	---	20	89	---	---	---	---
		28+00 SB	-	33+66 SB	LT	---	20	87	---	---	24	---
		35+04 SB	-	37+02 SB	RT/LT	---	---	---	---	---	---	13
		38+78 SB	-	838+80 NB	RT/LT	---	78	---	349	---	---	---
		12+90 TR	-	17+14 TR	LT	---	---	---	---	---	---	142
					STAGE 3 SUBTOTALS	0	208	210	715	0	24	181
	3A	12+00 TR	-	14+65 TR	RT/LT	---	52	---	232	---	---	---
					STAGE 3A SUBTOTALS	0	52	0	232	0	0	0
	3B	14+65 TR	-	16+15 TR	RT/LT	---	6	25	---		---	---
					STAGE 3B SUBTOTALS	0	6	25	0	0	0	0
					TOTALS	120	510	412	1,888	86	30	1,057

ASPHALTIC FLUMES

CATEGORY		STATION	LOCATION	465.0315 ASPHALTIC FLUMES SY	631.1000 SOD LAWN SY	631.1100 SOD EROSION CONTROL SY	631.0300 SOD WATER MGAL	* 629.0210 FERTILIZER TYPE B CWT
0010	STAGE 3	17+13 SB	33' LT	6	5	5	0.1	0.1
			STAGE 3 SUBTOTALS	6	5	5	0.1	0.1
	STAGE 4	812+53 NB	32' RT	8	5	5	0.1	0.1
			STAGE 4 SUBTOTALS	8	5	5	0.1	0.1
			UNDISTRIBUTED	---	3	3	0.1	0.1
			TOTALS	14	13	13	0.3	0.3

*ADDITIONAL QUANTITIES LISTED ELSEWHERE.

COLD PATCH

CATEGORY	LOCATION	495.1000.S TON	REMARKS
0010	UNDISTRIBUTED	20	FILLING POT HOLES IN EXISTING PAVEMENT

CULVERT PIPE

CATEGORY	FROM STRUCTURE	TO STRUCTURE	520.3418 CLASS III-A NON-METAL 18-INCH LF	520.3424 CLASS III-A NON-METAL 24-INCH LF	522.0124 REINFORCED CONCRETE CLASS III 24-INCH LF	522.0136 REINFORCED CONCRETE CLASS III 36-INCH LF	522.0424 REINFORCED CONCRETE CLASS IV 24-INCH LF	650.6000 CONSTRUCTION STAKING PIPE CULVERTS EACH
0010	3A.1	3A.2	46	-	-	-	-	1
	6A.1	6A.2	-	-	90	-	-	1
	51	52	-	-	-	142	-	1
	68	69	-	42	-	-	-	1
	70	71	26	-	-	-	-	1
	74	75	-	28	-	-	-	1
	76	77	-	-	-	-	36	1
		TOTALS	72	70	90	142	36	7

NOTE: QUANTITIES ROUNDED UP TO THE NEAREST EVEN NUMBER

TEMPORARY CULVERT PIPE

CATEGORY	STAGE	STATION	LOCATION	520.2012 CULVERT PIPE TEMPORARY 12-INCH LF	520.2024 CULVERT PIPE TEMPORARY 24-INCH LF	520.2036 CULVERT PIPE TEMPORARY 36-INCH LF	524.0624 APRON ENDWALLS FOR CULVERT PIPE SALVAGED 24-INCH EACH	SPV.0060.12 APRON ENDWALLS FOR CULVERT PIPE TEMPORARY 12-INCH EACH	SPV.0060.13 APRON ENDWALLS FOR CULVERT PIPE TEMPORARY 36-INCH EACH
0010	1	809+61 NB	LT	---	12	---	1	---	---
		809+61 NB	RT	---	---	---	1	---	---
			STAGE 1 SUBTOTALS	0	12	0	2	0	0
	2	830+70 NB	RT	---	---	10	---	---	1
			STAGE 2 SUBTOTALS	0	0	10	0	0	1
	3	14+75 TR	LT	22	---	---	---	1	---
		15+25 TR	LT	44	---	---	---	2	---
			STAGE 3 SUBTOTALS	66	0	0	0	3	0
			TOTALS	66	12	10	2	3	1

APRON ENDWALLS AND RIP RAP SUMMARY

CATEGORY	STRUCT. NO.	STATION		OFFSET	522.1012 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 12-INCH EACH	522.1015 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 15-INCH EACH	522.1018 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 18-INCH EACH	522.1024 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 24-INCH EACH	522.1036 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 36-INCH EACH	520.1018 APRON ENDWALLS FOR CULVERT PIPE 18-INCH EACH	520.1024 APRON ENDWALLS FOR CULVERT PIPE 24-INCH EACH	633.5200 MARKERS CULVERT END EACH	650.4000* CONSTRUCTION STAKING STORM SEWER EACH	606.0200 RIPRAP MEDIUM CY	645.0120 GEOTEXTILE TYPE HR SY
0010	3A.1	14+61.8	US 51 SB	61.8 ' LT	---	---	---	---	---	1	---	1	---	---	---
	3A.2	14+16.2	US 51 SB	59.1 ' LT	---	---	---	---	---	1	---	1	---	---	---
	6A.1	809+65.6	US 51 NB	41.3 ' RT	---	---	---	1	---	---	---	1	---	---	---
	6A.2	13+72.2	US 51 SB	39.6 ' LT	---	---	---	1	---	---	---	1	---	5	17
	15	811+20.0	US 51 NB	48.7 ' RT	1	---	---	---	---	---	---	1	1	3	10
	20	12+51.0	TC	18.6 ' RT	---	---	1	---	---	---	---	1	1	4	12
	24	10+12.0	TG	24.8 ' LT	1	---	---	---	---	---	---	1	1	3	10
	26	11+80.6	TF	17.5 ' LT	1	---	---	---	---	---	---	1	1	3	10
	27	11+98.0	TH	15.6 ' RT	1	---	---	---	---	---	---	1	1	3	10
	50	29+76.0	US 51 SB	49.2 ' LT	1	---	---	---	---	---	---	1	1	3	10
	51	830+54.7	US 51 NB	56.1 ' RT	---	---	---	---	1	---	---	1	---	---	---
	52	34+93.9	US 51 SB	63.1 ' LT	---	---	---	---	1	---	---	1	---	10	29
	54	12+39.0	EC	16.1 ' RT	---	1	---	---	---	---	---	1	1	3	11
	55	38+05.4	US 51 SB	119.2 ' LT	---	---	---	1	---	---	---	1	1	5	17
	56	11+55.0	EF	30.9 ' LT	1	---	---	---	---	---	---	1	1	3	10
	61	12+89.0	EF	30.0 ' LT	1	---	---	---	---	---	---	1	1	3	10
	67	11+66.0	EC	21.8 ' RT	1	---	---	---	---	---	---	1	1	3	10
	68	28+68.8	US 51 SB	59.4 ' LT	---	---	---	---	---	---	1	1	---	---	---
	69	29+10.3	US 51 SB	60.0 ' LT	---	---	---	---	---	---	1	1	---	---	---
	70	824+45.4	US 51 NB	49.4 ' RT	---	---	---	---	---	1	---	1	---	---	---
	71	824+71.1	US 51 NB	49.6 ' RT	---	---	---	---	---	1	---	1	---	---	---
	74	32+85.2	US 51 SB	77.5 ' LT	---	---	---	---	---	---	1	1	---	---	---
	75	33+12.3	US 51 SB	81.0 ' LT	---	---	---	---	---	---	1	1	---	---	---
	76	14+70.7	TR	29.2 ' RT	---	---	---	1	---	---	---	1	---	---	---
	77	14+34.9	TR	35.6 ' RT	---	---	---	1	---	---	---	1	---	---	---
				TOTALS	8	1	1	5	2	4	4	25	11	51	166

*ADDITIONAL QUANTITIES LISTED ELSEWHERE.

CONCRETE CURB AND CONCRETE CURB & GUTTER SUMMARY

CATEGORY	STAGE	STATION	-	STATION	LOCATION	601.0405 18-INCH TYPE A LF	601.0409 30-INCH TYPE A LF	601.0411 30-INCH TYPE D LF	601.0551 4-INCH SLOPED 36-INCH TYPE A LF	601.0581 4-INCH SLOPED 30-INCH TYPE R LF	415.4100* CONCRETE PAVEMENT JOINT FILLING SY	650.5500 CONSTRUCTION STAKING CURB GUTTER AND CURB & GUTTER LF
0010	2	811+13 NB	-	812+82 NB	RT/LT	---	---	---	171	---	---	---
		812+82 NB	-	824+00 NB	RT/LT	---	1,400	---	---	---	240	---
		824+00 NB	-	835+20 NB	RT/LT	---	1,580	---	---	---	250	---
		11+04 EX	-	13+34 EX	RT	---	---	229	---	---	---	229
					STAGE 2 SUBTOTALS	0	2,980	229	171	0	490	229
	3	15+23 SB	-	16+92 SB	RT/LT	---	---	---	170	---	---	---
		16+92 SB	-	28+00 SB	RT/LT	---	1,290	---	---	---	190	---
		28+00 SB	-	40+33 SB	RT/LT	---	1,510	---	---	---	240	---
					STAGE 3 SUBTOTALS	0	2,800	0	170	0	430	0
	3A	18+78 SB	-	20+10 SB	LT	---	258	---	---	---	80	---
		14+72 TR	-	15+71 TR	RT	---	---	---	195	---	---	---
		15+71 TR	-	16+50 TR	RT/LT	---	192	---	---	---	30	---
					STAGE 3A SUBTOTALS	0	450	0	195	0	110	0
	3B	16+15 TR	-	17+48 TR	LT	---	170	---	---	---	50	---
					STAGE 3B SUBTOTALS	0	170	0	0	0	50	0
	4	812+50 NB	-	817+04 NB	RT/LT	283	415	---	---	368	280	---
		829+22 NB	-	834+00 NB	RT/LT	283	425	---	---	368	290	---
					STAGE 4 SUBTOTALS	566	840	0	0	736	570	0
					TOTALS	566	7,240	229	536	736	1,650	229

*ADDITIONAL QUANTITIES LISTED ELSEWHERE.

CONCRETE SIDEWALK SUMMARY

CATEGORY	STAGE	STATION	-	STATION	LOCATION	602.0410 CONCRETE SIDEWALK 5-INCH SF
0010	2	814+83 NB	-	815+07 NB	RT	460
		831+49 NB	-	831+75 NB	RT	670
					STAGE 2 SUBTOTAL	1,130
	3A	14+72 TR	-	17+18 TR	LT	3,310
					STAGE 3A SUBTOTAL	3,310
	4	811+13 NB	-	814+42 NB	LT	5,070
		815+92 NB	-	824+00 NB	RT/LT	8,540
		824+00 NB	-	831+05 NB	RT/LT	7,170
		832+56 NB	-	833+52 NB	RT/LT	2,120
					STAGE 4 SUBTOTAL	22,900
					TOTAL	27,340

CONCRETE DRIVEWAY SUMMARY

CATEGORY	STAGE	STATION	LOCATION	602.0810 CONCRETE DRIVEWAY 6-INCH SY
0010	2	11+00 EX	LT	27
		12+92 EX	LT	16
			TOTAL	43

STORM SEWER PIPE REINFORCED CONCRETE

CATEGORY	FROM STRUCTURE	TO STRUCTURE	608.0312 CLASS III 12-INCH LF	608.0315 CLASS III 15-INCH LF	608.0318 CLASS III 18-INCH LF	608.0324 CLASS III 24-INCH LF	608.0412 CLASS IV 12-INCH LF	608.0415 CLASS IV 15-INCH LF	608.0418 CLASS IV 18-INCH LF	608.0424 CLASS IV 24-INCH LF
0010	1	11	-	-	-	-	-	46	-	-
	2	1	-	-	-	-	15	-	-	-
	3	25	34	-	-	-	-	-	-	-
	4	28	-	-	-	-	28	-	-	-
	5	4	-	-	-	-	10	-	-	-
	6	7	-	-	-	-	-	-	11	-
	7	10	-	-	-	-	-	-	23	-
	8	6	-	-	-	-	-	-	17	-
	9	2	-	-	-	-	51	-	-	-
	10	20	-	-	17	-	-	-	-	-
	11	10	-	-	-	-	-	12	-	-
	12	15	53	-	-	-	-	-	-	-
	13	12	-	-	-	-	8	-	-	-
	16	27	-	-	-	-	14	-	-	-
	18	19	-	-	-	-	-	12	-	-
	19	8	-	-	-	-	-	23	-	-
	22	23	-	-	-	-	9	-	-	-
	23	24	-	-	-	-	26	-	-	-
	25	26	16	-	-	-	-	-	-	-
	28	18	-	-	-	-	74	-	-	-
	29	16	-	-	-	-	124	-	-	-
	31	59	-	36	-	-	-	-	-	-
	32	31	-	-	-	-	12	-	-	-
	33	34	16	-	-	-	-	-	-	-
	34	42	-	-	-	-	-	-	-	27
	35	36	15	-	-	-	-	-	-	-
	36	55	-	-	-	95	-	-	-	-
	37	40	28	-	-	-	-	-	-	-
	38	64	34	-	-	-	-	-	-	-
	39	38	9	-	-	-	-	-	-	-
	40	56	-	-	-	-	29	-	-	-
	41	40	-	-	-	-	15	-	-	-
	42	43	-	-	-	35	-	-	-	-
	43	36	-	-	-	27	-	-	-	-
	44	47	-	-	-	-	21	-	-	-
	46	44	-	-	-	-	9	-	-	-
	47	63	-	-	-	-	27	-	-	-
	48	50	51	-	-	-	-	-	-	-
	49	48	7	-	-	-	-	-	-	-
	53	34	-	-	-	-	-	-	-	28
	58	32	-	-	-	-	35	-	-	-
	59	42	-	71	-	-	-	-	-	-
	60	61	-	-	-	-	35	-	-	-
	62	63	-	-	-	-	15	-	-	-
	63	54	-	-	-	-	-	15	-	-
	64	67	-	-	-	-	20	-	-	-
	TOTALS		263	107	17	157	577	108	51	55

MANHOLES AND INLETS SUMMARY

CATEGORY	STRUCTURE NUMBER	STATION	OFFSET	611.3230 INLETS 2X3-FT EACH	611.3004 INLETS 4-FT DIAMETER EACH	611.3902 INLETS MEDIAN 2 GRATE EACH	611.3225 INLETS 2X2.5-FT EACH	611.0627 INLET COVERS TYPE HM EACH	611.0639 INLET COVERS TYPE H-S EACH	611.0624 INLET COVERS TYPE H EACH	611.0645 INLET COVERS TYPE MS-A EACH	611.0652 INLET COVERS TYPE T EACH	650.4000* CONSTRUCTION STAKING STORM SEWER EACH
0010	1	12+88.0 TA	1.2 ' RT	---	---	---	1	---	---	---	---	1	1
	2	13+03.0 TA	1.2 ' RT	---	---	---	1	---	---	---	---	1	1
	3	20+24.0 US 51 SB	1.5 ' RT	1	---	---	---	---	---	1	---	---	1
	4	14+99.0 TB	1.5 ' LT	---	1	---	---	---	---	1	---	---	1
	5	11+79.0 TA	21.5 ' LT	1	---	---	---	---	1	---	---	---	1
	6	12+63.0 TA	31.5 ' LT	---	1	---	---	---	1	---	---	---	1
	7	19+14.0 TR	1.5 ' LT	---	1	---	---	---	---	1	---	---	1
	8	10+87.0 TD	1.5 ' LT	1	---	---	---	---	---	1	---	---	1
	9	13+43.0 TA	21.5 ' LT	---	1	---	---	---	1	---	---	---	1
	10	12+51.0 TC	1.5 ' RT	---	1	---	---	---	1	---	---	---	1
	11	12+39.0 TC	1.5 ' RT	---	1	---	---	---	1	---	---	---	1
	12	811+20.0 US 51 NB	4.4 ' LT	1	---	---	---	1	---	---	---	---	1
	13	15+30.0 US 51 SB	1.5 ' RT	1	---	---	---	1	---	---	---	---	1
	16	11+98.0 TH	1.5 ' RT	1	---	---	---	---	---	1	---	---	1
	18	10+93.0 TE	1.5 ' RT	---	1	---	---	---	1	---	---	---	1
	19	10+81.0 TE	1.5 ' RT	---	1	---	---	---	1	---	---	---	1
	22	14+78.0 TR	5.1 ' LT	1	---	---	---	1	---	---	---	---	1
	23	10+12.0 TG	1.5 ' RT	1	---	---	---	1	---	---	---	---	1
	25	11+81.6 TF	1.5 ' LT	1	---	---	---	---	1	---	---	---	1
	28	11+69.0 TE	1.5 ' RT	1	---	---	---	---	---	1	---	---	1
	29	10+63.0 TA	31.5 ' LT	---	1	---	---	---	---	1	---	---	1
	31	12+44.0 EA	1.2 ' RT	---	1	---	---	---	---	---	---	1	1
	32	12+56.0 EA	1.2 ' RT	---	---	---	1	---	---	---	---	1	1
	33	17+17.0 EB	25.5 ' RT	1	---	---	---	---	1	---	---	---	1
	34	17+00.0 EB	25.5 ' RT	---	1	---	---	---	1	---	---	---	1
	35	38+05.0 US 51 SB	25.5 ' LT	1	---	---	---	---	1	---	---	---	1
	36	37+90.0 US 51 SB	25.7 ' LT	---	1	---	---	---	1	---	---	---	1
	37	35+25.0 US 51 SB	1.5 ' RT	1	---	---	---	---	---	1	---	---	1
	38	14+55.0 EB	1.5 ' LT	1	---	---	---	---	---	1	---	---	1
	39	10+10.0 EA	21.5 ' LT	---	1	---	---	---	1	---	---	---	1
	40	11+55.0 EF	1.5 ' LT	1	---	---	---	---	1	---	---	---	1
	41	11+70.0 EF	1.5 ' LT	1	---	---	---	---	1	---	---	---	1
	42	17+00.0 EB	1.5 ' LT	---	1	---	---	---	1	---	---	---	1
	43	37+90.0 US 51 SB	1.5 ' RT	---	1	---	---	---	1	---	---	---	1
	44	13+01.0 EA	31.5 ' LT	1	---	---	---	---	1	---	---	---	1
	46	12+02.0 ED	1.5 ' LT	---	1	---	---	---	---	1	---	---	1
	47	10+11.0 EX	1.5 ' LT	1	---	---	---	---	---	1	---	---	1
	48	29+76.0 US 51 SB	1.5 ' RT	1	---	---	---	---	---	1	---	---	1
	49	825+52.0 US 51 NB	1.5 ' LT	1	---	---	---	---	---	1	---	---	1
	53	17+00.0 EB	53.8 ' RT	---	---	1	---	---	---	---	2	---	1
	58	11+34.0 EE	1.5 ' RT	1	---	---	---	---	---	1	---	---	1
	59	12+20.0 EA	21.5 ' LT	---	1	---	---	---	1	---	---	---	1
	60	13+07.0 EF	1.5 ' LT	---	1	---	---	---	---	1	---	---	1
	62	12+54.0 EC	1.5 ' RT	1	---	---	---	---	1	---	---	---	1
	63	12+39.0 EC	1.5 ' RT	1	---	---	---	---	1	---	---	---	1
	64	11+66.0 EC	1.5 ' RT	1	---	---	---	---	---	1	---	---	1
		TOTALS		24	18	1	3	4	21	16	2	4	46

*ADDITIONAL QUANTITIES LISTED ELSEWHERE.

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TEMPORARY DRAINAGE

CATEGORY	STATION	OFFSET	611.8120.S COVER PLATES TEMPORARY EACH	611.0613 INLET COVERS TYPE DW EACH
0010	811+20 NB	12.3 'LT	1	---
	814+33 NB	10.2 'LT	1	---
	814+68 NB	26.2 'RT	---	1
	814+79 NB	36.6 'RT	---	1
	815+89 NB	23.9 RT	1	---
	815+98 NB	30.1 RT	1	---
	816+04 NB	17.4 'LT	1	---
	825+52 NB	8.5 'LT	1	---
	830+81 NB	45.3 'RT	1	---
	830+92 NB	12.8 'RT	1	---
	830+99 NB	7.0 'RT	1	---
	830+99 NB	30.6 'LT	1	---
	832+16 NB	56.9 'RT	---	1
	832+25 NB	49.1 'RT	---	1
	832+58 NB	36.4 'RT	1	---
	833+29 NB	25.7 'RT	1	---
	833+51 NB	21.9 'LT	1	---
	833+57 NB	4.5 'RT	1	---
	833+65 NB	25.2 'LT	1	---
		TOTALS	15	4

CONCRETE MEDIAN SLOPED NOSE

CATEGORY	STAGE	STATION	LOCATION	620.0300 SF	REMARKS
0010	2	814+85 NB	RT	40	TYPE 2
		814+95 NB	RT	67	TYPE 1
		815+06 NB	RT	22	TYPE 2
		831+50 NB	RT	32	TYPE 2
		831+56 NB	RT	68	TYPE 1
		831+74 NB	RT	23	TYPE 2
			STAGE 2 SUBTOTAL	252	
	3	811+13 NB	LT	68	TYPE 1
			STAGE 3 SUBTOTAL	68	
	3A	815+17 NB	LT	31	TYPE 2
		815+48 NB	LT	40	TYPE 2
		14+72 TR	LT	75	TYPE 1
			STAGE 3A SUBTOTAL	146	
	4	814+31 NB	LT	31	TYPE 2
		814+40 NB	LT	49	TYPE 2
		815+90 NB	RT	49	TYPE 2
		815+98 NB	LT	28	TYPE 2
		830+96 NB	RT	28	TYPE 2
		831+05 NB	LT	49	TYPE 2
		832+58 NB	RT	49	TYPE 2
		832+64 NB	LT	27	TYPE 2
			STAGE 4 SUBTOTAL	310	
			TOTAL	776	

FENCE SAFETY

CATEGORY	STAGE	STATION	-	STATION	LOCATION	616.0700.S LF
0010	1	13+96 TR	-	16+50 TR	LT	242
		20+15 SB	-	23+46 SB	LT	365
					STAGE 1 SUBTOTAL	607
	2	827+38 NB	-	830+83 NB	LT	439
		11+02 EX	-	13+53 NB	LT	293
					STAGE 2 SUBTOTAL	732
					TOTAL	1,339

PIPE UNDERDRAIN SUMMARY

CATEGORY	INLET	SPV.0090.01 PIPE UNDERDRAIN (6-INCH) WITH GEOTEXTILE FABRIC AND AGGREGATE LF
0010	1	50
	2	50
	10	50
	11	50
	18	50
	19	50
	25	80
	31	50
	32	50
	33	50
	34	50
	35	50
	36	50
	40	50
	41	50
	62	50
	63	50
	TOTAL	880

SILT FENCE

CATEGORY	STAGE	STATION	-	STATION	LOCATION	628.1504 SILT FENCE LF	628.1520 SILT FENCE MAINTENANCE LF
0010	1	807+49 NB	-	810+15 NB	LT	280	280
		826+23 NB	-	839+37 NB	LT	1,260	1,260
					STAGE 1 SUBTOTALS	1,540	1,540
	2	810+26 NB	-	817+59 NB	RT	740	2,220
		828+79 NB	-	835+43 NB	LT/RT	935	5,660
					STAGE 2 SUBTOTALS	1,675	7,880
	3	11+60 SB	-	27+50 SB	LT	615	1,230
		829+39 NB	-	839+10 NB	LT	1,050	3,440
					STAGE 3 SUBTOTALS	1,665	4,670
	4	828+97 NB	-	830+86 NB	RT	200	400
					STAGE 4 SUBTOTALS	200	400
					UNDISTRIBUTED	1,270	3,630
					TOTALS	6,350	18,120

MOBILIZATIONS EROSION CONTROL

CATEGORY	STAGE	628.1905 MOBILIZATIONS EROSION CONTROL EACH	628.1910 MOBILIZATIONS EMERGENCY EROSION CONTROL EACH
0010	1	3	2
	2	5	3
	3	4	2
	3A	3	1
	3B	3	1
	4	3	1
	TOTALS	21	10

ROCK BAGS

CATEGORY	STAGE	LOCATION	628.7570 EACH	REMARKS
0010	1-4	UNDISTRIBUTED	226	SILT FENCE RELIEF

EROSION MAT

CATEGORY	STAGE	STATION	-	STATION	LOCATION	628.2004 CLASS I TYPE B SY	628.2006 URBAN CLASS I TYPE A SY	628.2037 CLASS III TYPE C SY
0010	1	802+82 NB	-	807+30 NB	LT	1,290	---	---
					STAGE 1 SUBTOTALS	1,290	0	0
	2	812+50 NB	-	824+00 NB	RT	3,600	400	120
		824+00 NB	-	838+80 NB	LT/RT	4,340	890	640
		20+04 TR	-	21+50 TR	LT/RT	450	---	---
		20+78 EX	-	23+11 EX	LT/RT	920	170	---
					STAGE 2 SUBTOTALS	9,310	1,460	760
	3	802+83 NB	-	823+75 NB	LT	3,710	710	---
		823+75 NB	-	838+80 NB	LT	3,360	610	260
					STAGE 3 SUBTOTALS	7,070	1,320	260
	3A	14+65 TR	-	17+36 TR	RT	210	140	---
					STAGE 3A SUBTOTALS	210	140	0
	3B	12+00 TR	-	17+50 TR	LT/RT	2,130	510	---
					STAGE 3B SUBTOTALS	2,130	510	0
	4	803+00 NB	-	815+60 NB	LT/RT	2,390	840	---
		829+25 NB	-	835+20 NB	LT/RT	500	1,130	52
					STAGE 3 SUBTOTALS	2,890	1,970	52
					UNDISTRIBUTED	5,730	1,350	270
					TOTALS	28,630	6,750	1,342

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FINISHING SUMMARY

CATEGORY	STAGE	STATION	-	STATION	LOCATION	* 625.0100 TOPSOIL SY	627.0200 MULCHING SY	* 629.0210 FERTILIZER TYPE B CWT	630.0130 SEEDING MIXTURE NO. 30 LB	630.0200 SEEDING TEMPORARY LB	630.0300 SEEDING BORROW PIT LB	630.0500 SEED WATER MGAL
0010	1	802+82 NB	-	820+55 NB	RT	3,080	1,790	1.9	58	48	---	74
		827+00 NB	-	839+22 NB	RT	1,570	1,570	1.0	---	42	---	38
					STAGE 1 SUBTOTALS	4,650	3,360	2.9	58	90	0	112
	2	802+90 NB	-	824+00 NB	RT	5,490	1,380	3.8	210	37	---	140
		824+00 NB	-	838+80 NB	RT	6,250	380	4.3	290	10	---	170
		20+04 TR	-	21+50 TR	LT/RT	450	---	0.3	20	---	---	11
		20+78 EX	-	23+11 EX	LT/RT	1,090	---	0.7	49	---	---	26
					STAGE 2 SUBTOTALS	13,280	1,760	9.1	569	47	0	347
	3	802+83 NB	-	823+75 NB	LT	5,010	590	3.7	240	16	---	140
		823+75 NB	-	838+80 NB	LT	4,220	---	2.9	210	---	---	110
		13+45 TR	-	16+50 TR	LT	870	870	0.5	---	23	---	21
					STAGE 3 SUBTOTALS	10,100	1,460	7.1	450	39	0	271
	3A	14+65 TR	-	17+36 TR	RT	350	---	0.3	19	---	---	10
					STAGE 3A SUBTOTALS	350	0	0.3	19	0	0	10
	3B	12+00 TR	-	17+50 TR	LT/RT	2,640	---	1.9	130	---	---	71
					STAGE 3B SUBTOTALS	2,640	0	1.9	130	0	0	71
	4	803+00 NB	-	815+60 NB	LT/RT	3,230	---	2.3	160	---	---	88
		829+25 NB	-	835+20 NB	LT/RT	1,680	---	1.1	76	---	---	40
					STAGE 4B SUBTOTALS	4,910	0	3.4	236	0	0	128
					WASTE SITE	---	21,600	14.0	---	---	14	---
					UNDISTRIBUTED	8,990	7,050	10.0	370	50	10	240
					TOTALS	44,920	35,230	48.7	1,832	226	24	1,179

*ADDITIONAL QUANTITIES LISTED ESLEWHERE

INLET PROTECTION

CATEGORY	STAGE	STATION	LOCATION	628.7005 TYPE A EACH	628.7010 TYPE B EACH	628.7015 TYPE C EACH	628.7020 TYPE D EACH
0010	2	811+20 NB	LT	1	---	1	---
		814+50 NB - 814+75 NB	RT	4	---	---	4
		814+85 NB - 815+10 NB	RT	3	---	3	---
		815+30 NB	RT	2	---	---	2
		816+00 NB	RT	1	---	1	---
		825+50 NB	LT	1	---	1	---
		831+25 NB	RT	2	---	---	2
		831+50 NB - 831+75 NB	RT	3	---	3	---
		832+15 NB	RT	2	---	---	2
		832+30 NB	RT	1	---	1	---
		833+35 NB - 833+50 NB	RT	3	1	---	2
			STAGE 2 SUBTOTALS	23	1	10	12
	3	811+20 NB	LT	1	---	1	---
		814+00 NB	LT	1	---	1	---
		816+15 NB	LT	1	---	1	---
		825+50 NB	LT	1	---	1	---
		831+00 NB	LT	2	---	---	2
		832+40 NB	LT	1	---	1	---
		833+50 NB - 833+65 NB	LT/RT	3	---	---	3
			STAGE 3 SUBTOTALS	10	0	5	5
	3A	14+75 TR	LT	2	---	2	---
		17+25 TR	LT	1	---	1	---
			STAGE 3A SUBTOTALS	3	0	3	0
	4	814+30 NB	LT	1	---	1	---
		814+75 NB	RT	2	---	---	2
		815+90 NB	RT	2	---	2	---
		816+10 NB	LT	1	---	1	---
		830+80 NB - 831+00 NB	LT/RT	4	---	4	---
		832+20 NB	RT	2	---	---	2
		832+60 NB	RT	1	---	1	---
		833+25 NB	RT	1	---	---	1
			STAGE 4 SUBTOTALS	14	0	9	5
			TOTALS	50	1	27	22

TRACKING PADS

CATEGORY	LOCATION	628.7560 EACH
0010	US 51 NB WORKZONE EXIT	2
	US 51 SB WORKZONE EXIT	2
	TOWER ROAD WORKZONE EXIT	1
	EXCHANGE STREET WORKZONE EXIT	1
	WASTE SITE	1
	TOTAL	7

TEMPORARY DITCH CHECKS

CATEGORY	STAGE	STATION	LOCATION	628.7504 LF
0010	1	816+00 NB	LT	10
			STAGE 1 SUBTOTAL	10
	2	806+00 NB	RT	8
		808+00 NB	RT	8
		812+50 NB	RT	12
		814+00 NB	RT	12
		819+00 NB	RT	15
		821+00 NB	RT	15
		822+00 NB	RT	15
		823+00 NB	RT	15
		823+75 NB	RT	15
		835+25 NB	RT	15
		836+00 NB	RT	15
		837+00 NB	RT	10
		837+75 NB	RT	10
		12+50 EX	RT	10
		13+25 EX	RT	10
			STAGE 2 SUBTOTAL	185
	3	16+00 SB	LT	10
		16+75 SB	LT	10
		20+10 SB	LT	8
		21+25 SB	LT	8
		25+50 SB	LT	10
		26+50 SB	LT	10
		27+50 SB	LT	10
		28+35 SB	LT	10
		14+25 TR	LT	8
		15+25 TR	LT	8
			STAGE 3 SUBTOTAL	92
	3A	15+40 TR	RT	8
		16+00 TR	RT	8
			STAGE 3A SUBTOTAL	16
	3B	12+00 TR	LT	8
		12+00 TR	RT	8
		13+40 TR	RT	8
		14+00 TR	LT	8
		16+00 TR	LT	8
			STAGE 3B SUBTOTAL	40
			UNDISTRIBUTED	90
			TOTAL	433

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STONE DITCH CHECK SUMMARY

CATEGORY	STAGE	STATION	LOCATION	628.7515.S STONE DITCH CHECKS CY	645.0130 GEOTEXTILE TYPE R SY	205.0100* EXCAVATION COMMON CY	REMARKS
0010	2	825+35 NB	RT	13	30	130	TEMPORARY
		825+85 NB	RT	13	30	130	TEMPORARY
		826+50 NB	RT	13	30	130	TEMPORARY
		826+80 NB	RT	13	30	130	TEMPORARY
		827+15 NB	RT	13	30	130	TEMPORARY
		827+45 NB	RT	13	30	130	TEMPORARY
		827+80 NB	RT	13	30	130	TEMPORARY
		828+15 NB	RT	13	30	130	TEMPORARY
		825+50 NB	RT	13	30	130	TEMPORARY
		828+85 NB	RT	13	30	130	TEMPORARY
		829+20 NB	RT	13	30	130	TEMPORARY
		830+00 NB	RT	13	30	130	TEMPORARY
			STAGE 2 SUBTOTAL	156	360	1560	
	3	29+70 NB	RT	13	30	130	TEMPORARY
		30+15 NB	RT	13	30	130	TEMPORARY
		30+50 NB	RT	13	30	130	TEMPORARY
		30+95 NB	RT	13	30	130	TEMPORARY
		31+40 NB	RT	13	30	130	TEMPORARY
		31+80 NB	RT	13	30	130	TEMPORARY
		32+15 NB	RT	13	30	130	TEMPORARY
			STAGE 3 SUBTOTAL	91	210	910	
			UNDISTRIBUTED	70	150	620	
			TOTAL	317	720	3090	

*ADDITIONAL QUANTITIES LISTED ELSEWHERE.

CULVERT PIPE CHECKS

CATEGORY	STAGE	STATION	LOCATION	628.7555 EACH
0010	1	809+60 NB	RT	3
		810+55 NB	LT	2
		824+30 NB	LT	3
		828+55 NB	LT	3
			STAGE 1 SUBTOTAL	11
	2	809+66 NB	RT	3
		824+40 NB	RT	2
		830+55 NB	RT	7
			STAGE 2 SUBTOTAL	12
	3	28+62 SB	LT	3
		32+80 SB	LT	3
		14+75 TR	RT	3
		15+25 TR	LT	1
			STAGE 3 SUBTOTAL	10
	3A	14+75 TR	RT	3
			STAGE 3A SUBTOTAL	3
	4	830+55 NB	RT	7
			STAGE 4 SUBTOTAL	7
			UNDISTRIBUTED	15
			TOTAL	58

PLANTING MIXTURE SUMMARY

CATEGORY	LOCATION	625.0100 * TOPSOIL SY	SPV.0180.01 SHREDDED HARDWOOD BARK MULCH, 3-INCH DEPTH SY
0020	TOWER ROAD ROUNDABOUT	691	691
	EXCHANGE STREET ROUNDABOUT	691	691
	TOTALS	1,382	1,382

* ADDITIONAL QUANTITIES LISTED ELSEHWERE

PERENNIALS SUMMARY

CATEGORY	LOCATION	SPV.0060.07 JUNE GRASS, CONTAINER, #SP2 EACH	SPV.0060.08 LITTLE BLUESTEM, CONTAINER, #SP2 EACH	SPV.0060.09 PERENNIALS, PRAIRIE DROPSEED, CONTAINER, #SP2 EACH	SPV.0060.10 PURPLE LOVE GRASS, CONTAINER, #SP2 EACH	SPV.0060.11 SWITCH GRASS, CONTAINER, #SP2 EACH
0020	TOWER ROAD ROUNDABOUT	1,280	544	448	1,568	64
	EXCHANGE STREET ROUNDABOUT	1,280	544	448	1,568	64
	TOTALS	2,560	1,088	896	3,136	128

LANDSCAPE PLANTING SURVEILLANCE AND CARE CYCLES

CATEGORY	PROJECT	632.9101 EACH	REMARKS
0020	5845-16-84	22	TOWER ROAD ROUNDABOUT AND EXCHANGE STREET ROUNDABOUT

PERMANENT SIGNING SUMMARY

CATEGORY	DESCRIPTION	SIGN NO.	APPROX. STA.		LOC.	SIGN CODE	SIGN MESSAGE	SIGN SIZE (W x H) IN	637.2210 SIGNS TYPE II REFLECTIVE H SF	637.2230 SIGNS TYPE II REFLECTIVE F SF	634.0612 POSTS WOOD 4x6-INCH x 12-FT EACH	634.0614 POSTS WOOD 4x6-INCH x 14-FT EACH	634.0616 POSTS WOOD 4x6-INCH x 16-FT EACH	634.0618 POSTS WOOD 4x6-INCH x 18-FT EACH	634.0620 POSTS WOOD 4x6-INCH x 20-FT EACH	638.2102 MOVING SIGNS TYPE II EACH	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH	REMARKS
0010	US-51	1 - 01	10+66	SB	LT	W6-3	TWOWAY TRAFFIC SYMBOL	36 x 36	---	9.00	---	---	1	---	---	---	---	---	
		1 - 02	808+59	NB	RT	D1-62	ROUNDABOUT DESTINATION - DIRECTION SIGN	114 x 66	52.25	---	---	---	---	---	2	---	---	---	
		1 - 03	806+51	NB	RT	W2-6	CIRCULAR INTERSECTION SIGN	30 x 30	---	6.25	---	---	1	---	---	---	---	---	
		1 - 04	806+51	NB	RT	W13-1	ADVISORY SPEED PLATE (YELLOW BACK)	18 x 18	---	2.25	---	---	---	---	---	---	---	---	20 MPH; INSTALL UNDER SIGN 1-03
		1 - 05	807+28	NB	RT	R1-1	STOP	30 x 30	5.18	---	---	1	---	---	---	---	---	---	
		E1 - 01	11+14	SB	LT	---	---	--- x ---	---	---	---	---	---	---	---	---	1	1	
		E1 - 02	809+11	NB	RT	---	---	--- x ---	---	---	---	---	---	---	---	---	1	2	
		E1 - 03	808+68	NB	RT	---	---	--- x ---	---	---	---	---	---	---	---	---	1	1	
		E1 - 04	807+28	NB	RT	---	---	--- x ---	---	---	---	---	---	---	---	---	1	1	
		2 - 01	15+29	SB	LT	R5-1	DO NOT ENTER	30 x 30	6.25	---	---	1	---	---	---	---	---	---	
		2 - 02	15+29	SB	LT	R2-1	SPEED LIMIT_ MPH	24 x 30	5.00	---	---	---	---	---	---	---	---	---	55 MPH; INSTALL BACK-TO-BACK WITH SIGN 2-01
		2 - 03	16+43	SB	LT	J4-1	REASSURANCE ASSEMBLY (1 HEADED ROUTE PANEL)	24 x 36	6.00	---	---	---	1	---	---	---	---	---	SOUTH, USH SHIELD, ROUTE 51
		2 - 04	17+85	SB	LT	W4-2R	LANE REDUCTION TRANSITION SYMBOL - RIGHT	36 x 36	---	9.00	---	---	---	1	---	---	---	---	
		2 - 05	17+85	SB	LT	R5-1A	WRONG WAY	36 x 24	6.00	---	---	---	---	---	---	---	---	---	INSTALL BACK-TO-BACK WITH SIGN 2-04
		2 - 06	18+82	SB	LT	R1-2	YIELD	36 x 31	3.88	---	---	---	1	---	---	---	---	---	
		2 - 07	19+25	SB	MEDIAN	R1-2	YIELD	36 x 31	3.88	---	---	---	1	---	---	---	---	---	BOX-OUT REQ'D
		2 - 08	19+45	SB	MEDIAN	D1-1	ONE DESTINATION (ARROW)	66 x 15	6.88	---	---	2	---	---	---	---	---	---	TOWER RD; BOX-OUT REQ'D
		2 - 09	20+03	SB	LT	R1-2	YIELD	36 x 31	3.88	---	---	---	1	---	---	---	---	---	
		2 - 10	21+98	SB	LT	R3-6R	ARROW RIGHT AND AHEAD	42 x 48	14.00	---	---	---	---	---	---	---	---	---	INSTALL ON S-13-0606
		2 - 11	21+98	SB	LT	R3-6X	ARROW LEFT AND AHEAD (ROUNDABOUT)	42 x 48	14.00	---	---	---	---	---	---	---	---	---	INSTALL ON S-13-0606
		2 - 12	818+00	NB	RT	J4-1	REASSURANCE ASSEMBLY (1 HEADED ROUTE PANEL)	24 x 36	6.00	---	---	---	1	---	---	---	---	---	NORTH, USH SHIELD, ROUTE 51
		2 - 13	815+43	NB	RT	R1-2	YIELD	36 x 31	3.88	---	---	---	1	---	---	---	---	---	
		2 - 14	815+02	NB	MEDIAN	R1-2	YIELD	36 x 31	3.88	---	---	---	1	---	---	---	---	---	BOX-OUT REQ'D
		2 - 15	814+93	NB	MEDIAN	R4-7	KEEP RIGHT	24 x 30	5.00	---	---	---	1	---	---	---	---	---	BOX-OUT REQ'D
		2 - 16	814+89	NB	MEDIAN	D1-1	ONE DESTINATION (ARROW)	66 x 15	6.88	---	---	2	---	---	---	---	---	---	CRANE CT; BOX-OUT REQ'D
		2 - 17	814+62	NB	RT	R5-1	DO NOT ENTER	30 x 30	6.25	---	---	---	1	---	---	---	---	---	
		2 - 18	814+62	NB	RT	W14-2	NO OUTLET	30 x 30	---	6.25	---	---	---	---	---	---	---	---	INSTALL BACK-TO-BACK WITH SIGN 2-18
		2 - 19	814+32	NB	RT	R1-2	YIELD	36 x 31	3.88	---	---	---	1	---	---	---	---	---	
		2 - 20	812+85	NB	RT	R3-6R	ARROW RIGHT AND AHEAD	42 x 48	14.00	---	---	---	---	---	---	---	---	---	INSTALL ON S-13-0605
		2 - 21	812+85	NB	RT	R3-6X	ARROW LEFT AND AHEAD (ROUNDABOUT)	42 x 48	14.00	---	---	---	---	---	---	---	---	---	INSTALL ON S-13-0605
		2 - 22	811+19	NB	MEDIAN	R4-7	KEEP RIGHT	24 x 30	5.00	---	---	---	1	---	---	---	---	---	BOX-OUT REQ'D
		2 - 23	811+19	NB	MEDIAN	W5-54	CLEARANCE MARKER WITH YELLOW TYPE F SHEETING	18 x 18	---	2.25	---	---	---	---	---	---	---	---	INSTALL BELOW SIGN 2-23, 4-FT MOUNTING HEIGHT
		2 - 24	814+33	NB	MEDIAN	D1-1	ONE DESTINATION (ARROW)	42 x 30	8.75	---	---	---	1	---	---	---	---	---	SOUTH, USH SHIELD, ROUTE 51; BOX-OUT REQ'D
		2 - 25	814+28	NB	MEDIAN	R1-2	YIELD	36 x 31	3.88	---	---	---	1	---	---	---	---	---	BOX-OUT REQ'D
		2 - 26	814+82	NB	MEDIAN	R6-1R	ONE WAY RIGHT ARROW	48 x 18	6.00	---	1	---	---	---	---	---	---	---	
		2 - 27	814+99	NB	MEDIAN	R6-1R	ONE WAY RIGHT ARROW	48 x 18	6.00	---	1	---	---	---	---	---	---	---	
		2 - 28	815+30	NB	MEDIAN	R6-1R	ONE WAY RIGHT ARROW	48 x 18	6.00	---	1	---	---	---	---	---	---	---	
		2 - 29	815+18	NB	MEDIAN	R6-1R	ONE WAY RIGHT ARROW	48 x 18	6.00	---	1	---	---	---	---	---	---	---	
		2 - 30	815+96	NB	MEDIAN	D1-1	ONE DESTINATION (ARROW)	42 x 30	8.75	---	---	---	1	---	---	---	---	---	NORTH, USH SHIELD, ROUTE 51; BOX-OUT REQ'D
		2 - 31	816+01	NB	MEDIAN	R1-2	YIELD	36 x 31	3.88	---	---	---	1	---	---	---	---	---	BOX-OUT REQ'D
		2 - 32	814+82	NB	MEDIAN	W5-54	CLEARANCE MARKER WITH YELLOW TYPE F SHEETING	18 x 18	---	2.25	---	---	---	---	---	---	---	---	INSTALL BELOW SIGN 5-09, 4-FT MOUNTING HEIGHT
		2 - 33	814+99	NB	MEDIAN	W5-54	CLEARANCE MARKER WITH YELLOW TYPE F SHEETING	18 x 18	---	2.25	---	---	---	---	---	---	---	---	INSTALL BELOW SIGN 5-09, 4-FT MOUNTING HEIGHT
		2 - 34	815+30	NB	MEDIAN	W5-54	CLEARANCE MARKER WITH YELLOW TYPE F SHEETING	18 x 18	---	2.25	---	---	---	---	---	---	---	---	INSTALL BELOW SIGN 5-09, 4-FT MOUNTING HEIGHT
		2 - 35	815+18	NB	MEDIAN	W5-54	CLEARANCE MARKER WITH YELLOW TYPE F SHEETING	18 x 18	---	2.25	---	---	---	---	---	---	---	---	INSTALL BELOW SIGN 5-09, 4-FT MOUNTING HEIGHT
		E2 - 01	19+03	SB	LT	---	---	--- x ---	---	---	---	---	---	---	---	---	1	1	
		E2 - 02	19+07	SB	LT	---	---	--- x ---	---	---	---	---	---	---	---	---	1	1	
		E2 - 03	815+22	NB	RT	---	---	--- x ---	---	---	---	---	---	---	---	---	1	1	
		E2 - 04	814+77	NB	RT	---	---	--- x ---	---	---	---	---	---	---	---	---	1	1	
		3 - 01	23+90	SB	LT	D1-62	ROUNDABOUT DESTINATION - DIRECTION SIGN	114 x 66	52.25	---	---	---	---	---	2	---	---	---	
		3 - 02	25+87	SB	LT	W2-6	CIRCULAR INTERSECTION SIGN	30 x 30	---	6.25	---	---	---	1	---	---	---	---	
		3 - 03	25+87	SB	LT	W13-1	ADVISORY SPEED PLATE (YELLOW BACK)	18 x 18	---	2.25	---	---	---	---	---	---	---	---	20 MPH; INSTALL UNDER SIGN 3-02
		3 - 04	821+25	NB	RT	D7-67A	(NAME COUNTY PARK) (1/2) MILE	60 x 36	15.00	---	---	---	---	2	---	---	---	---	BABCOCK COUNTY PARK
		3 - 05	819+24	NB	RT	R2-1	SPEED LIMIT_ MPH	24 x 30	5.00	---	---	1	---	---	---	---	---	---	40 MPH
		3 - 06	825+08	NB	RT	W2-6	CIRCULAR INTERSECTION SIGN	30 x 30	---	6.25	---	---	1	---	---	---	---	---	
		3 - 07	825+08	NB	RT	W13-1	ADVISORY SPEED PLATE (YELLOW BACK)	18 x 18	---	2.25	---	---	---	---	---	---	---	---	20 MPH; INSTALL UNDER SIGN 3-06
		E3 - 01	24+78	SB	LT	---	---	--- x ---	---	---	---	---	---	---	---	---	1	1	
		E3 - 02	25+96	SB	LT	---	---	--- x ---	---	---	---	---	---	---	---	---	1	2	
							SHEET TOTALS		317.48	61.00	4	7	21	1	4	0	10	12	

CON'T ON NEXT SHEET

PERMANENT SIGNING SUMMARY [CON'T]

CATEGORY	DESCRIPTION	SIGN NO.	APPROX. STA.	LOC.	SIGN CODE	SIGN MESSAGE	SIGN SIZE (W x H) IN	637.2210 SIGNS TYPE II REFLECTIVE H SF	637.2230 SIGNS TYPE II REFLECTIVE F SF	634.0612 POSTS WOOD 4x6-INCH x 12-FT EACH	634.0614 POSTS WOOD 4x6-INCH x 14-FT EACH	634.0616 POSTS WOOD 4x6-INCH x 16-FT EACH	634.0618 POSTS WOOD 4x6-INCH x 18-FT EACH	634.0620 POSTS WOOD 4x6-INCH x 20-FT EACH	638.2102 MOVING SIGNS TYPE II EACH	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH	REMARKS
0010	US-51	E3 - 03	27+26 SB	LT	---	---	--- x ---	---	---	---	---	---	---	---	---	1	1	
CON'T		E3 - 04	28+67 SB	LT	---	---	--- x ---	---	---	---	---	---	---	---	---	1	1	
		E3 - 05	29+55 SB	LT	---	---	--- x ---	---	---	---	---	---	---	---	---	1	1	
		E3 - 06	820+55 NB	RT	---	---	--- x ---	---	---	---	---	---	---	---	---	1	1	
		4 - 01	32+07 SB	LT	R2-1	SPEED LIMIT_ MPH	24 x 30	5.00	---	---	1	---	---	---	---	---	---	40 MPH
		4 - 02	34+35 SB	LT	J4-1	REASSURANCE ASSEMBLY (1 HEADED ROUTE PANEL)	24 x 36	6.00	---	---	---	1	---	---	---	---	---	SOUTH, USH SHIELD, ROUTE 51
		4 - 03	36+79 SB	LT	R1-2	YIELD	36 x 31	3.88	---	---	---	1	---	---	---	---	---	
		4 - 04	832+08 NB	RT	R1-2	YIELD	36 x 31	3.88	---	---	---	1	---	---	---	---	---	
		4 - 05	831+68 NB	RT	R1-2	YIELD	36 x 31	3.88	---	---	---	1	---	---	---	---	---	BOX-OUT REQ'D
		4 - 06	831+56 NB	RT	R4-7	KEEP RIGHT	24 x 30	5.00	---	---	---	1	---	---	---	---	---	BOX-OUT REQ'D
		4 - 07	831+55 NB	RT	D1-1	ONE DESTINATION (ARROW)	84 x 15	8.75	---	---	2	---	---	---	---	---	---	EXCHANGE ST; BOX-OUT REQ'D
		4 - 08	831+23 NB	RT	R2-1	SPEED LIMIT_ MPH	24 x 30	5.00	---	---	---	---	---	---	---	---	---	25 MPH; INSTALL BACK-TO-BACK WITH SIGN 4-10
		4 - 09	831+23 NB	RT	R5-1	DO NOT ENTER	30 x 30	6.25	---	---	---	1	---	---	---	---	---	
		4 - 10	830+95 NB	RT	R1-2	YIELD	36 x 31	3.88	---	---	---	1	---	---	---	---	---	
		4 - 11	829+36 NB	RT	R3-6R	ARROW RIGHT AND AHEAD	42 x 48	14.00	---	---	---	---	---	---	---	---	---	INSTALL ON S-13-0607
		4 - 12	829+36 NB	RT	R3-5A	ARROW UP/ONLY	42 x 48	14.00	---	---	---	---	---	---	---	---	---	INSTALL ON S-13-0607
		4 - 13	827+23 NB	RT	D1-62	ROUNDABOUT DESTINATION - DIRECTION SIGN	102 x 66	46.75	---	---	---	---	---	2	---	---	---	
		4 - 14	830+94 NB	MEDIAN	R1-2	YIELD	36 x 31	3.88	---	---	---	1	---	---	---	---	---	BOX-OUT REQ'D
		4 - 15	831+00 NB	MEDIAN	D1-1	ONE DESTINATION (ARROW)	42 x 30	8.75	---	---	---	1	---	---	---	---	---	SOUTH, USH SHIELD, ROUTE 51; BOX-OUT REQ'D
		4 - 16	831+45 NB	MEDIAN	R6-1R	ONE WAY RIGHT ARROW	48 x 18	6.00	---	1	---	---	---	---	---	---	---	
		4 - 17	831+65 NB	MEDIAN	R6-1R	ONE WAY RIGHT ARROW	48 x 18	6.00	---	1	---	---	---	---	---	---	---	
		4 - 18	831+87 NB	MEDIAN	R6-1R	ONE WAY RIGHT ARROW	48 x 18	6.00	---	1	---	---	---	---	---	---	---	
		4 - 19	832+64 NB	MEDIAN	D1-1	ONE DESTINATION (ARROW)	42 x 30	8.75	---	---	---	1	---	---	---	---	---	NORTH, USH SHIELD, ROUTE 51; BOX-OUT REQ'D
		4 - 20	832+67 NB	MEDIAN	R1-2	YIELD	36 x 31	3.88	---	---	---	1	---	---	---	---	---	BOX-OUT REQ'D
		4 - 21	831+45 NB	MEDIAN	W5-54	CLEARANCE MARKER WITH YELLOW TYPE F SHEETING	18 x 18	---	2.25	---	---	---	---	---	---	---	---	INSTALL BELOW SIGN 4-17
		4 - 22	831+65 NB	MEDIAN	W5-54	CLEARANCE MARKER WITH YELLOW TYPE F SHEETING	18 x 18	---	2.25	---	---	---	---	---	---	---	---	INSTALL BELOW SIGN 4-18
		4 - 23	831+87 NB	MEDIAN	W5-54	CLEARANCE MARKER WITH YELLOW TYPE F SHEETING	18 x 18	---	2.25	---	---	---	---	---	---	---	---	INSTALL BELOW SIGN 4-19
		E4 - 01	832+13 NB	RT	---	---	--- x ---	---	---	---	---	---	---	---	---	1	1	
		E4 - 02	832+13 NB	RT	---	---	--- x ---	---	---	---	---	---	---	---	---	1	1	
		E4 - 03	831+50 NB	RT	---	---	--- x ---	---	---	---	---	---	---	---	---	1	1	
		E4 - 04	826+80 NB	RT	---	---	--- x ---	---	---	---	---	---	---	---	---	1	1	
		5 - 01	38+66 SB	LT	R3-5A	ARROW UP/ONLY	42 x 48	14.00	---	---	---	---	---	---	---	---	---	INSTALL ON S-13-0608
		5 - 02	38+66 SB	LT	R3-6X	ARROW LEFT AND AHEAD (ROUNDABOUT)	42 x 48	14.00	---	---	---	---	---	---	---	---	---	INSTALL ON S-13-0608
		5 - 03	40+70 SB	LT	D1-62	ROUNDABOUT DESTINATION - DIRECTION SIGN	102 x 66	46.75	---	---	---	---	---	2	---	---	---	
		5 - 04	838+32 NB	LT	W2-6	CIRCULAR INTERSECTION SIGN	30 x 30	---	6.25	---	---	1	---	---	---	---	---	
		5 - 05	838+32 NB	LT	W13-1	ADVISORY SPEED PLATE (YELLOW BACK)	18 x 18	---	2.25	---	---	---	---	---	---	---	---	20 MPH; INSTALL UNDER SIGN 5-04
		5 - 06	838+76 NB	RT	W6-3	TWOWAY TRAFFIC SYMBOL	36 x 36	---	9.00	---	---	1	---	---	---	---	---	
		5 - 07	836+67 NB	RT	R2-1	SPEED LIMIT_ MPH	24 x 30	5.00	---	---	1	---	---	---	---	---	---	40 MPH
		5 - 08	834+70 NB	RT	J4-1	REASSURANCE ASSEMBLY (1 HEADED ROUTE PANEL)	24 x 36	6.00	---	---	1	---	---	---	---	---	---	NORTH, USH SHIELD, ROUTE 51
		5 - 09	834+39 NB	MEDIAN	R4-7	KEEP RIGHT	24 x 30	5.00	---	---	---	1	---	---	---	---	---	BOX-OUT REQ'D
		5 - 10	834+39 NB	MEDIAN	W5-54	CLEARANCE MARKER WITH YELLOW TYPE F SHEETING	18 x 18	---	2.25	---	---	---	---	---	---	---	---	INSTALL BELOW SIGN 5-09, 4-FT MOUNTING HEIGHT
		5 - 11	835+90 NB	RT	R9-9	SIDEWALK CLOSED	24 x 12	2.00	---	---	1	---	---	---	---	---	---	INSTALL BELOW SIGN 5-09, 4-FT MOUNTING HEIGHT
		E5 - 01	42+30 SB	LT	I55-56	ADOPTAHIGHWAY (SPONSOR)	30 x 36	---	---	---	---	---	---	---	1	---	1	MOVE FROM STA. 838+00 NB TO STA. 826+00 NB
		E5 - 02	834+05 NB	RT	---	---	--- x ---	---	---	---	---	---	---	---	---	1	1	
						SHEET TOTALS		262.28	26.50	3	6	15	0	4	1	9	10	

CON'T ON NEXT SHEET

PERMANENT SIGNING SUMMARY [CON'T]

CATEGORY	DESCRIPTION	SIGN NO.	APPROX. STA.		LOC.	SIGN CODE	SIGN MESSAGE	SIGN SIZE (W x H) IN	637.2210 SIGNS TYPE II REFLECTIVE H SF	637.2230 SIGNS TYPE II REFLECTIVE F SF	634.0612 POSTS WOOD 4x6-INCH x 12-FT EACH	634.0614 x 14-FT EACH	634.0616 x 16-FT EACH	634.0618 x 18-FT EACH	634.0620 x 20-FT EACH	638.2102 MOVING SIGNS TYPE II EACH	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH	REMARKS
	TOWER ROAD	6 - 01	12+16	TR	LT	W6-3	TWOWAY TRAFFIC SYMBOL	36 x 36	---	9.00	---	---	---	1	---	---	---	---	
		6 - 02	14+75	TR	LT	R5-1	DO NOT ENTER	30 x 30	6.25	---	---	---	---	---	---	---	---	---	INSTALL BACK-TO-BACK WITH SIGN 6-03
		6 - 03	14+75	TR	LT	R2-1	SPEED LIMIT_ MPH	24 x 30	5.00	---	---	---	1	---	---	---	---	---	45 MPH
		6 - 04	14+15	TR	RT	D1-62	ROUNDABOUT DESTINATION - DIRECTION SIGN	102 x 66	46.75	---	---	---	---	---	2	---	---	---	
		6 - 05	13+00	TR	RT	W2-6	CIRCULAR INTERSECTION SIGN	30 x 30	---	6.25	---	---	1	---	---	---	---	---	
		6 - 06	13+00	TR	RT	W13-1	ADVISORY SPEED PLATE (YELLOW BACK)	18 x 18	---	2.25	---	---	---	---	---	---	---	---	20 MPH; INSTALL UNDER SIGN 6-05
		6 - 07	11+20	TR	RT	J1-1	JUNCTION OR END ASSEMBLY	24 x 39	6.50	---	---	---	1	---	---	---	---	---	JCT, USH SHIELD, ROUTE 51
		6 - 08	14+75	TR	MEDIAN	R4-7	KEEP RIGHT	24 x 30	5.00	---	---	---	1	---	---	---	---	---	BOX-OUT REQ'D
		6 - 09	14+75	TR	MEDIAN	W5-54	CLEARANCE MARKER WITH YELLOW TYPE F SHEETING	18 x 18	---	2.25	---	---	---	---	---	---	---	---	INSTALL BELOW SIGN 6-08, 4-FT MOUNTING HEIGHT
		6 - 10	14+75	TR	LT	R5-1A	WRONG WAY	36 x 24	6.00	---	---	1	---	---	---	---	---	---	
		E6 - 01	16+00	TR	LT	---	---	--- x ---	---	---	---	---	---	---	---	---	1	1	
		E6 - 02	WEST		RT	---	---	--- x ---	---	---	---	---	---	---	---	---	1	1	
	EXCHANGE	7 - 01	EAST		LT	W2-6	CIRCULAR INTERSECTION SIGN	30 x 30	---	6.25	---	---	---	1	---	---	---	---	LOCATED APPROX 225-FT EAST OF CONSTRUCTION LIMITS
		7 - 02	EAST		LT	W13-1	ADVISORY SPEED PLATE (YELLOW BACK)	18 x 18	---	2.25	---	---	---	---	---	---	---	---	20 MPH; INSTALL UNDER SIGN 7-01
		7 - 03	12+20	EX	LT	D1-62	ROUNDABOUT DESTINATION - DIRECTION SIGN	102 x 42	29.75	---	---	---	---	1	1	---	---	---	
		7 - 04	14+00	EX	LT	J1-1	JUNCTION OR END ASSEMBLY	24 x 39	6.50	---	---	---	---	1	---	---	---	---	JCT, USH SHIELD, ROUTE 51
		7 - 05	12+60	EX	RT	W6-3	TWOWAY TRAFFIC SYMBOL	36 x 36	---	9.00	---	---	---	1	---	---	---	---	
		E7 - 01	EAST		LT	---	---	--- x ---	---	---	---	---	---	---	---	---	1	1	LOCATED APPROX 225-FT EAST OF CONSTRUCTION LIMITS
							SHEET TOTALS		111.75	37.25	0	1	4	5	3	0	3	3	
							TOTALS		691.51	124.75	7	14	40	6	11	1	22	25	

TRAFFIC CONTROL SUMMARY

CATEGORY	STAGE	DURATION DAYS	643.0300 DRUMS QTY	643.0300 DRUMS DAY	643.0420 BARRICADES TYPE III QTY	643.0420 BARRICADES TYPE III DAY	643.0500 FLEXIBLE TUBULAR MARKER POSTS EACH	643.0600 FLEXIBLE TUBULAR MARKER BASES EACH	643.0705 WARNING LIGHTS TYPE A QTY	643.0705 WARNING LIGHTS TYPE A DAY	643.0715 WARNING LIGHTS TYPE C QTY	643.0715 WARNING LIGHTS TYPE C DAY	643.0900 SIGNS QTY	643.0900 SIGNS DAY	643.1050 SIGNS PCMS QTY	643.1050 SIGNS PCMS DAY
0010	ADVANCE WARNING	226	---	---	---	---	---	---	---	---	---	---	17	3,842	10	70
	WIDTH RESTRICTION	158	---	---	---	---	---	---	---	---	---	---	43	6,794	---	---
	OFF-PEAK CLOSURES	4	335	500	28	112	---	---	40	160	---	---	20	80	13	72
	1	23	132	3,036	5	115	---	---	10	230	8	184	18	414	---	---
	2	76	162	12,312	43	3,268	---	---	86	6,536	32	2,432	33	2,508	---	---
	3	58	251	14,558	23	1,334	28	28	46	2,668	25	1,450	48	2,784	---	---
	3A	24	59	1,416	18	432	---	---	36	864	6	144	21	504	---	---
	4	45	223	10,035	11	495	---	---	18	810	44	1,980	16	720	---	---
	UNDISTRIBUTED	14	---	---	---	---	---	---	---	---	---	---	---	---	2	28
	TOTALS			41,857		5,756	28	28		11,268		6,190		17,646		170

CONNECTED ARROW BOARDS SUMMARY

CATEGORY	HIGHWAY	DIRECTION	STAGE	DURATION DAYS	643.0810 CONNECTED ARROW BOARDS QTY	643.0810 CONNECTED ARROW BOARDS DAY	643.1220 CONNECTED WORK ZONE START AND END LOCATION MARKERS QTY	643.1220 CONNECTED WORK ZONE START AND END LOCATION MARKERS DAY
0010	USH 51	NB/SB	1	23	1	23	2	46
	USH 51	NB/SB	2	76	2	152	2	152
	USH 51	NB/SB	3	58	2	116	2	116
	USH 51	NB/SB	4	45	3	135	2	90
				TOTALS		426		404

TRAFFIC CONTROL

CATEGORY	PROJECT	643.5000 EACH
0010	5845-16-84	1

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TEMPORARY PAVEMENT MARKING SUMMARY

CATEGORY	STAGE	STATION	-	STATION	LOCATION	643.3170 TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE) LF	643.3170 TEMPORARY MARKING LINE EPOXY 6-INCH (YELLOW) LF	643.3170 TEMPORARY MARKING LINE EPOXY 6-INCH (DOUBLE YELLOW) LF	643.3180 TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE) LF	643.3180 TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW) LF	643.3180 TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (DOUBLE YELLOW) LF	643.3820 TEMPORARY MARKING STOP LINE EPOXY 18-INCH (WHITE) LF	643.3850 TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH (WHITE) LF	646.9010 MARKING REMOVAL LINE WATER BLASTING 4-INCH LF
0010	2	802+18 NB	-	839+26 NB	LT	7,400	---	7,510	558	1,220	---	---	---	4,930
					STAGE 2 SUBTOTALS	7,400	0	7,510	558	1,220	0	0	0	4,930
	3	802+17 NB	-	839+34 NB	RT/LT	1,320	---	612	6,420	790	6,900	---	90	---
		15+16 TR	-	18+40 TR	RT/LT	565	---	606	---	---	---	---	21	---
					STAGE 3 SUBTOTALS	1,885	0	1,218	6,420	790	6,900	0	111	0
	3A	12+87 TR	-	18+32 TR	RT/LT	151	---	856	348	---	218	22	---	---
					STAGE 3A SUBTOTALS	151	0	856	348	0	218	22	0	0
	4	819+68 NB	-	824+55 TR	RT	---	---	---	486	486	---	---	---	---
					STAGE 4 SUBTOTALS	0	0	0	486	486	0	0	0	0
					SUBTOTALS	9,436	0	9,584	7,812	2,496	7,118			
					TOTALS		19,020			17,426		22	111	4,930

PAVEMENT MARKING ITEMS

CATEGORY	STATION	-	STATION	LOCATION	646.2020 MARKING LINE EPOXY 6-INCH (WHITE) LF	646.2020 MARKING LINE EPOXY 6-INCH (YELLOW) LF	646.2020 MARKING LINE EPOXY 6-INCH (DOUBLE YELLOW) LF	646.2025 MARKING LINE GROOVED BLACK EPOXY 6-INCH (BLACK) LF	646.2040 MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH (WHITE) LF	646.2040 MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH (YELLOW) LF	646.2040 MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH (DOUBLE YELLOW) LF	646.4040 MARKING LINE GROOVED WET REFLECTIVE EPOXY 10-INCH (WHITE) LF	646.5020 MARKING ARROW EPOXY (WHITE) EACH	646.6320 MARKING DOTTED EXTENSION EPOXY 18-INCH (2-FT SEGMENT, 2-FT GAP) (WHITE) LF	646.7120 MARKING DIAGONAL EPOXY 12-INCH (YELLOW) LF	646.7320 MARKING CHEVRON EPOXY 12-INCH (WHITE) LF	646.8120 MARKING CURB EPOXY (YELLOW) LF	646.8220 MARKING ISLAND NOSE EPOXY (YELLOW) EACH
0010	802+17 NB	-	824+00 NB	RT/LT	584	---	1,770	197	1,310	1,080	176	545	10	98	133	20	71	1
	824+00 NB	-	838+80 NB	RT/LT	374	---	868	211	846	879	---	456	12	83	266	19	---	---
	10+00 SB	-	28+00 SB	RT/LT	584	---	772	199	1,100	1,110	76	236	---	---	---	27	---	---
	28+00 SB	-	42+33 SB	RT/LT	396	---	810	199	805	900	---	227	---	---	---	19	---	---
	12+00 TR	-	20+51 TR	RT/LT	852	485	1,440	---	---	---	---	---	---	---	85	---	90	2
	12+88 EX	-	23+09 EX	RT/LT	499	96	792	---	---	---	---	---	---	---	22	---	10	1
				SUBTOTALS	3,289	581	6,452		4,061	3,969	252							
				TOTALS		10,322		806		8,282		1,464	22	181	506	85	171	4

3

CONSTRUCTION STAKING ITEMS

CATEGORY	STATION		STATION	LOCATION	650.4500 CONSTRUCTION STAKING SUBGRADE LF	650.5000 CONSTRUCTION STAKING BASE LF	650.7000 CONSTRUCTION STAKING CONCRETE PAVEMENT LF	650.9920 CONSTRUCTION STAKING SLOPE STAKES LF
0010	804+83 NB	-	810+68 NB	USH 51	1,850	1,850	---	2,430
	809+40 NB	-	835+96 NB	USH 51	6,960	1,880	5,080	7,320
	835+21 NB	-	838+80 NB	USH 51	813	813	---	976
	12+00 TR	-	14+65 TR	TOWER ROAD	447	447	---	447
	14+65 TR	-	17+23 TR	TOWER ROAD	512	254	258	770
	19+00 TR	-	20+04 TR	TOWER ROAD	104	---	104	104
	20+04 TR	-	21+50 TR	TOWER ROAD	146	146	---	146
	10+00 EX	-	11+02 EX	EXCHANGE STREET	102	---	102	102
	11+02 EX	-	13+34 EX	EXCHANGE STREET	232	232	---	232
				TOTALS	11,166	5,622	5,544	12,527

CONSTRUCTION STAKING SIDEWALK

CATEGORY	PROJECT	650.9500 EACH
0010	5845-16-84	1

CONSTRUCTION STAKING SUPPLEMENTAL CONTROL

CATEGORY	PROJECT	650.9911 EACH
0010	5845-16-84	1

CONSTRUCTION STAKING ELECTRICAL INSTALLATIONS

CATEGORY	PROJECT	650.8501 EACH
0010	5845-16-84	1

LIGHTING CONDUIT SUMMARY

CATEGORY	EQUIP. LOCATION FROM	EQUIP. LOCATION TO	652.0225 CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH LF	652.0235 CONDUIT RIGID NONMETALLIC SCHEDULE 40 3-INCH LF
0010	LC-1	LPB-4	---	30
	LPB-4	LPB-5	86	---
	LPB-5	LP-1004	124	---
	LC-1	LPB-3	---	36
	LPB-3	LP-1003	40	---
	LP-1003	LP-1002	86	---
	LP-1002	LPB-2	28	---
	LPB-2	LPB-1	---	134
	LPB-1	LP-1001	28	---
	LPB-1	LP-1014	74	---
	LP-1014	LP-1013	116	---
	LPB-3	LPB-6	---	180
	LPB-6	LP-1005	45	---
	LPB-6	LP-1006	89	---
	LP-1006	LP-1007	87	---
	LP-1007	LPB-7	31	---
	LPB-7	LP-1008	160	---
	LPB-7	LPB-8	---	136
	LPB-8	LP-1009	36	---
	LPB-8	LP-1010	83	---
	LP-1010	LP-1011	86	---
	LP-1011	LPB-9	55	---
	LPB-9	LP-1012	98	---
	LPB-9	LPB-10	---	170
	LPB-10	LP-1013	5	---
	LC-2	LPB-13	---	24
	LPB-13	LP-2002	109	---
	LC-2	LPB-12	---	21
	LPB-12	LPB-14	---	88
	LPB-14	LP-2001	41	---
	LPB-14	LPB-15	---	86
	LPB-15	LP-2003	42	---
	LPB-15	LP-2004	156	---
	LP-2004	LPB-16	131	---
	LPB-16	LP-2006	152	---
	LPB-12	LP-2008	89	---
	LP-2008	LPB-11	58	---
	LPB-11	LPB-19	---	166
	LPB-19	LP-2009	26	---
	LPB-19	LPB-18	106	---
	LPB-18	LP-2007	72	---
	LPB-18	LPB-17	---	122
	LPB-17	LP-2005	17	---
	LPB-16	LPB-17	---	108
	TOTALS		2,356	1,301

LIGHTING PULL BOX SUMMARY

CATEGORY	PULL BOX NO.	STATION	LOCATION	653.0164 PULL BOXES NON-CONDUCTIVE 24X42-INCH EACH
0010	LPB-1	19+45 TR	41' RT	1
	LPB-2	19+36 TR	29' RT	1
	LPB-3	813+53 NB	21' RT	1
	LPB-4	813+25 NB	34' RT	1
	LPB-5	812+35 NB	42' RT	1
	LPB-6	813+51 NB	111' LT	1
	LPB-7	16+42 TR	26" RT	1
	LPB-8	16+47 TR	46' LT	1
	LPB-9	817+00 NB	43' LT	1
	LPB-10	817+14 NB	45' RT	1
	LPB-11	831+19 NB	143' RT	1
	LPB-12	830+33 NB	36' RT	1
	LPB-13	830+11 NB	41' RT	1
	LPB-14	830+35 NB	11' LT	1
	LPB-15	832+93 NB	54' LT	1
	LPB-16	833+05 NB	33' LT	1
	LPB-17	833+04 NB	21' RT	1
	LPB-18	833+02 NB	84' RT	1
	LPB-19	832+09 NB	138' RT	1
			TOTAL	19

STREET LIGHTING SUMMARY (POLE LUMINAIRE)

CATEGORY	LIGHT NO.	STATION	LOCATION	654.0105 CONCRETE BASES TYPE 5 EACH	* 655.0610 ELECTRICAL WIRE LIGHTING 12 AWG LF	655.0610 ELECTRICAL WIRE LIGHTING 12 AWG (GROUND) LF	657.0322 POLES TYPE 5-ALUMINUM EACH	657.0710 LUMINAIRE ARMS TRUSS TYPE 4 1/2 INCH CLAMP 12-FT EACH	659.1120 LUMINAIRES UTILITY LED B EACH	657.0255 TRANSFORMER BASES BREAKAWAY 11 1/2-INCH BOLT CIRCLE EACH
0010	LP-1001	19+70 TR	27' RT	1	90	45	1	1	1	1
	LP-1002	814+53 NB	84' RT	1	90	45	1	1	1	1
	LP-1003	813+95 NB	24' RT	1	90	45	1	1	1	1
	LP-1004	811+11 NB	31' RT	1	90	45	1	1	1	1
	LP-1005	813+03 NB	65' LT	1	90	45	1	1	1	1
	LP-1006	814+39 NB	88' LT	1	90	45	1	1	1	1
	LP-1007	16+81 TR	25' RT	1	90	45	1	1	1	1
	LP-1008	14+84 TR	23' RT	1	90	45	1	1	1	1
	LP-1009	16+09 TR	46' LT	1	90	45	1	1	1	1
	LP-1010	815+81 NB	101' LT	1	90	45	1	1	1	1
	LP-1011	816+45 NB	42' LT	1	90	45	1	1	1	1
	LP-1012	817+94 NB	61' LT	1	90	45	1	1	1	1
	LP-1013	817+06 NB	44' RT	1	90	45	1	1	1	1
	LP-1014	815+92 NB	67' RT	1	90	45	1	1	1	1
	LP-2001	830+78 NB	10' LT	1	180	90	1	2	2	1
	LP-2002	829+01 NB	50' RT	1	90	45	1	1	1	1
	LP-2003	829+95 NB	49' LT	1	90	45	1	1	1	1
	LP-2004	831+90 NB	89' LT	1	90	45	1	1	1	1
	LP-2005	832+86 NB	22' RT	1	180	90	1	2	2	1
	LP-2006	834+55 NB	51' LT	1	90	45	1	1	1	1
	LP-2007	833+75 NB	62" RT	1	90	45	1	1	1	1
	LP-2008	831+10 NB	83' RT	1	90	45	1	1	1	1
	LP-2009	831+99 NB	163' RT	1	90	45	1	1	1	1
	SUBTOTALS				2,250	1,125				
	TOTALS			23	3,375		23	25	25	23

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

ELECTRICAL WIRE LIGHTING-SYSTEM GROUNDING CONDUCTOR

CATEGORY	EQUIP. LOCATION FROM	TO	*655.0615 ELECTICAL WIRE LIGHTING 10 AWG LF
0010	LC-1	LPB-4	45
	LPB-4	LPB-5	101
	LPB-5	LP-1004	127
	LC-1	LPB-3	54
	LPB-3	LP-1003	43
	LP-1003	LP-1002	89
	LP-1002	LPB-2	43
	LPB-2	LPB-1	82
	LPB-1	LP-1001	62
	LPB-1	LP-1014	77
	LP-1014	LP-1013	119
	LPB-3	LPB-6	105
	LPB-6	LP-1005	96
	LPB-6	LP-1006	92
	LP-1006	LP-1007	90
	LP-1007	LPB-7	46
	LPB-7	LP-1008	326
	LPB-7	LPB-8	83
	LPB-8	LP-1009	78
	LPB-8	LP-1010	86
	LP-1010	LP-1011	89
	LP-1011	LPB-9	70
	LPB-9	LP-1012	101
	LC-2	LPB-13	43
	LPB-13	LP-2002	112
	LC-2	LPB-12	44
	LPB-12	LPB-14	59
	LPB-14	LP-2001	88
	LPB-14	LPB-15	58
	LPB-15	LP-2003	90
	LPB-15	LP-2004	159
	LP-2004	LPB-16	146
	LPB-16	LP-2006	155
	LPB-12	LP-2008	92
	LP-2008	LPB-11	73
	LPB-11	LPB-19	98
	LPB-19	LP-2009	58
	LPB-19	LPB-18	121
	LPB-18	LP-2007	150
	LPB-18	LPB-17	76
	LPB-17	LP-2005	40
		TOTAL	3,766

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

ELECTRICAL WIRE LIGHTING

CATEGORY	EQUIP. LOCATION FROM	TO	*655.0615 10 AWG LF	*655.0610 12 AWG LF
0010	LC-1	LP-1004	546	---
	LC-1	LP-1002	352	---
	LP-1002	LP-1014	410	---
	LC-1	LP-1006	488	---
	LP-1006	LP-1008	598	---
	LP-1008	LP-1010	694	---
	LP-1010	LP-1012	520	---
	LC-1	LP-1003	180	---
	LP-1003	LP-1001	490	---
	LP-1001	LP-1013	478	---
	LC-1	LP-1005	400	---
	LP-1005	LP-1007	484	---
	LP-1007	LP-1009	342	---
	LP-1009	LP-1011	452	---
	LPB-9	LPB-10	---	170
	LC-2	LP-2002	310	---
	LC-2	LP-2003	408	---
	LP-2003	LP-2006	1,034	---
	LC-2	LP-2008	268	---
	LP-2008	LP-2005	782	---
	LC-2	LP-2009	662	---
	LP-2009	LP-2007	480	---
	LC-2	LP-2001	290	---
	LP-2001	LP-2004	552	---
	LPB-16	LPB-17	---	100
		TOTALS	11,220	270

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

LIGHTING CONTROL SUMMARY

CATEGORY	CABINET NO.	STATION	LOCATION	659.2130 LIGHTING CONTROL CABINETS 120/240 30-INCH EACH	654.0230 CONCRETE CONTROL CABINET BASES TYPE L30 EACH	656.0201.01 ELECTRICAL SERVICE METER BREAKER PEDESTAL, USH 51 & TOWER ROAD EACH	656.0201.02 ELECTRICAL SERVICE METER BREAKER PEDESTAL, USH 51 & EXCHANGE STREET EACH
0010	LC-1	813+39 NB	30' RT	1	1	1	---
	LC-2	830+24 NB	44' RT	1	1	---	1
			TOTALS	2	2	1	1

3

SAWING SUMMARY

CATEGORY	STAGE	STATION	-	STATION	LOCATION	690.0150 ASPHALT LF	* 690.0250 CONCRETE LF
0010	1	814+65 NB	-	814+78 NB	LT	---	26
		815+81 NB	-	816+01 NB	LT	---	24
					STAGE 1 SUBTOTALS	0	50
	2	804+84 NB	-	824+00 NB	RT/LT	---	1,930
		809+55 NB	-	809+69 NB	LT	20	37
		824+00 NB	-	838+80 NB	RT/LT	---	1,510
		825+47 NB	-	825+57 NB	LT	13	56
		830+48 NB	-	830+63 NB	LT	9	50
		833+48 NB	-	833+63 NB	LT	9	50
		21+50 TR			RT/LT	12	---
		13+34 EX			RT/LT	22	---
					STAGE 2 SUBTOTALS	85	3,633
	3	804+84 NB			LT	---	15
		19+06 SB			RT/LT	---	39
		19+55 SB			RT/LT	---	87
		28+88 SB			LT	19	---
		838+80 NB			LT	---	27
		12+00 TR			RT/LT	22	---
					STAGE 3 SUBTOTALS	41	168
	4	802+94 NB	-	812+01 NB	RT	920	---
		812+50 NB	-	817+05 NB	RT/LT	740	---
		829+22 NB	-	830+86 NB	RT	170	---
		831+20 NB	-	832+41 NB	RT	180	---
		832+50 NB	-	834+00 NB	RT/LT	230	---
					STAGE 4 SUBTOTALS	2,240	0
					UNDISTRIBUTED	600	970
					TOTALS	2,966	4,821

*ADDITIONAL QUANTITIES LISTED ELSEWHERE.

LANDMARK REFERENCE MONUMENTS

CATEGORY	LOCATION	680.0100 PUBLIC LAND SURVEY MONUMENT VERIFY AND RESET EACH	SPV.0060.02 RESEARCH AND LOCATE EXISTING LAND PARCEL MONUMENTS EACH	SPV.0060.03 VERIFY AND REPLACE EXISTING LAND PARCEL MONUMENT EACH
0010	UNDISTRIBUTED	1	4	4

UTILITY LINE OPENING (ULO)

CATEGORY	LOCATION	SPV.0060.04 EACH
0010	UNDISTRIBUTED	10

TEMPORARY LIGHTING SYSTEM SUMMARY

CATEGORY	LOCATION	SPV.0060.05 EACH	SPV.0060.06 EACH
0010	TOWER ROAD ROUNDABOUT	1	---
	EXCHANGE STREET ROUNDABOUT	---	1
	TOTALS	1	1

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
TRANSPORTATION PROJECT PLAT TITLE SHEET
5845-16-28
STOUGHTON - MADISON
EXCHANGE STREET INTERSECTION
USH 51
DANE

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 (3/4-INCH CAPPED REBAR 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

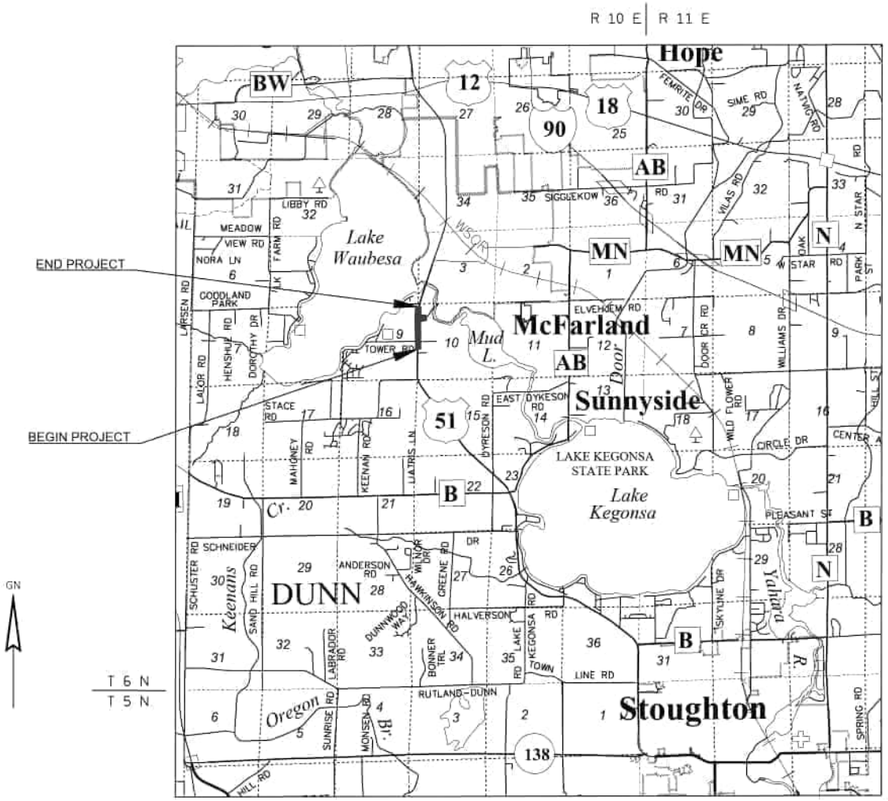
ACCESS RIGHTS	AR	POINT OF INTERSECTION	PI
ACRES	AC	PROPERTY LINE	PL
AHEAD	AH	RECORDED AS	(100')
ALUMINUM	ALUM	REEL / IMAGE	R/I
AND OTHERS	ET AL	REFERENCE LINE	R/L
BACK	BK	REMAINING	REM
BLOCK	BLK	RESTRICTIVE DEVELOPMENT EASEMENT	RDE
CENTERLINE	C/L	RIGHT	RT
CERTIFIED SURVEY MAP	CSM	RIGHT OF WAY	R/W
CONCRETE	CONC	SECTION	SEC
COUNTY	CO	SEPTIC VENT	SEPV
COUNTY TRUNK HIGHWAY	CTH	SQUARE FEET	SF
DISTANCE	DIST	STATE TRUNK HIGHWAY	STH
CORNER	COR	STATION	STA
DOCUMENT NUMBER	DOC	TELEPHONE PEDESTAL	TP
EASEMENT	EASE	TEMPORARY LIMITED EASEMENT	TLE
EXISTING	EX	TRANSPORTATION PROJECT PLAT	TPP
GAS VALVE	GV	UNITED STATES HIGHWAY	USH
GRID NORTH	GN	VOLUME	V
HIGHWAY EASEMENT	HE		
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		
POINT OF COMPOUND CURVE	PCC		

CURVE DATA

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

W WATER
G GAS
T TELEPHONE
OH OVERHEAD TRANSMISSION LINES
E ELECTRIC
TV CABLE TELEVISION
FO FIBER OPTIC
FM FORCE MAIN
SAN SANITARY SEWER
SS STORM SEWER



LAYOUT
SCALE 0 1 MI.

THE NOTES,CONVENTIONAL SIGNS, AND ABBREVIATIONS ARE ASSOCIATED WITH EACH TRANSPORTATION PROJECT PLAT FOR PROJECT 5845-16-28.

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES, DANE COUNTY, NAD83(2011), IN U.S. SURVEY FEET. VALUES ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED 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.

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 A SUBSTITUTE FOR AN ACCURATE FIELD SURVEY.

FOR THE CURRENT ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN MADISON.

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 5845-16-28-4.01
SHEET 2 OF 2

FILE NAME : S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\CIVIL 3D\RW\DWG\040101_RT.DWG
LAYOUT NAME: 040101_rt
PLOT DATE : 9/27/2023 11:06 AM PLOT BY : BARTELT, HEATHER PLOT NAME :
5845-16-28-4.01

TRANSPORTATION PROJECT PLAT NO: 5845-16-28-4.01 AMENDMENT NO: 2

AMENDS PARCEL NUMBER 2 OF TRANSPORTATION PROJECT PLAT 5845-16-28-4.01 RECORDED AS DOCUMENT NUMBER 5926253 AT THE DANE COUNTY REGISTER OF DEEDS.

PART OF THE NORTHEAST 1/4 OF THE SOUTHEAST 1/4 OF SECTION 9, AND PART OF THE NORTHWEST 1/4 OF THE SOUTHWEST 1/4 OF SECTION 10 ALL LOCATED IN TOWNSHIP 6 NORTH, RANGE 10 EAST, TOWN OF DUNN, DANE COUNTY, WISCONSIN

RELOCATION ORDER USH 51 STOUGHTON - MADISON (EXCHANGE STREET INTERSECTION) DANE 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 SUBSECTION 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 CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT

PARCEL NUMBER	OWNERS	INTERESTS REQUIRED	R/W S.F REQUIRED NEW	R/W S.F REQUIRED EXISTING	R/W S.F REQUIRED TOTAL	PLE S.F.	TLE S.F.
1	MILDRED M KIEFER	FEE,TLE	23254	---	23254	---	185
2	VITRUVIAN FARMS, LLC	FEE,PLE,TLE	20581	---	20581	1211	9964

UTILITY INTERESTS REQUIRED

UTILITY NUMBER	UTILITY OWNER(S)	INTERESTS REQUIRED
200	ALLIANT ENERGY - ELECTRIC	RELEASE OF RIGHTS
201	FRONTIER COMMUNICATIONS	RELEASE OF RIGHTS
203	KEGONSA SANITARY DISTRICT	RELEASE OF RIGHTS

(200) ALLIANT ENERGY - ELECTRIC
NO RECORDED EASEMENT
PARCEL 1

(203) KEGONSA SANITARY DISTRICT
DOC. 2068330
PARCEL 1

(201) FRONTIER COMMUNICATIONS
(GENERAL TELEPHONE COMPANY)
DOC. 1312157
PARCEL 2

STATION & OFFSET TABLE		
POINT	STATION	OFFSET
100	814+77.00	0.00'
101	38+48.85 T	0.00'
102	38+48.85 T	33.00'
103	813+67.75	96.28'
104	810+81.66	79.15'
105	809+07.71	58.04'
106	808+09.32	58.01'
107	807+24.94	124.16'
108	806+75.33	124.02'
109	805+69.02	47.39'
110	804+31.30	47.03'
111	804+31.43	0.00'
112	804+31.44	-5.42'
113	804+31.62	-73.25'
114	805+61.80	-73.53'
115	807+61.72	-52.73'
116	810+49.26	-51.59'
117	813+95.00	-98.98'
118	34+77.01 T	17.41'
119	33+63.12 T	29.12'
120	31+85.00 T	26.36'
121	29+93.13 T	0.00'
122	34+96.35 T	0.00'

STATION & OFFSET TABLE		
POINT	STATION	OFFSET
PLE100	809+81.96	-51.86'
PLE101	809+82.04	-69.86'
PLE102	810+49.33	-69.59'

STATION & OFFSET TABLE		
POINT	STATION	OFFSET
TLE100	32+87.45 T	27.95'
TLE101	32+78.40 T	37.84'
TLE102	32+51.95 T	36.48'
TLE103	32+44.40 T	27.28'
TLE104	805+80.48	55.65'
TLE105	805+23.97	47.27'
TLE106	805+63.62	-94.34'
TLE107	806+65.48	-86.38'
TLE108	808+12.57	-52.53'
TLE109	809+55.01	-77.14'
TLE110	810+53.73	-80.48'
TLE111	811+06.34	-59.42'

FOUND MONUMENT TABLE		
POINT	Y COORDS	X COORDS
106	454151.584	841827.924
107	454065.848	841892.292
60019	454967.756	841716.592
60020	454886.114	841655.274
60021	454819.660	841653.661
60022	454713.629	841731.291
60023	454504.611	841821.385
60024	454779.490	841827.664
60025	454861.738	841978.465
60026	454988.280	841832.475
60033	453907.145	841691.263
60034	454106.222	841716.402

COURSE TABLE		
COURSE	BEARING	DISTANCE
100 - 101	N89° 34' 03"E	222.61'
101 - 102	S00° 25' 57"E	33.00'
102 - 103	S58° 11' 56"W	151.64'
103 - 104	S04° 37' 18"W	286.60'
104 - 105	S08° 06' 45"W	175.23'
105 - 106	S01° 12' 45"W	98.39'
106 - 107	S36° 53' 54"E (N37° 17' 16"W)	107.21' (106.78')
107 - 108	S01° 21' 02"W	49.61'
108 - 109	S36° 58' 56"W	131.05'
109 - 110	S01° 20' 42"W	137.72'
110 - 111	N88° 39' 18"W	47.03'
111 - 112	N88° 39' 18"W	5.42'

COURSE TABLE		
COURSE	BEARING	DISTANCE
112 - 113	N88° 39' 18"W	67.82'
113 - 114	N01° 04' 20"E	130.18'
114 - 115	N07° 08' 00"E (N06° 39' 58"E)	201.00' (201.00')
115 - 116	N01° 25' 21"E	287.54'
116 - 117	N06° 36' 31"W	348.97'
117 - 118	N38° 17' 06"W	78.16'
118 - 119	S83° 40' 59"W	114.49'
119 - 120	N89° 33' 22"W	178.14'
120 - 121	N82° 37' 26"W	193.66'
121 - 122	N89° 33' 16"E	503.21'
122 - QTR. COR.	N89° 33' 16"E	128.68'

COURSE TABLE		
COURSE	BEARING	DISTANCE
PLE100 - PLE101	N88° 34' 39"W	18.00'
PLE101 - PLE102	N01° 25' 21"E	67.29'
PLE102 - 116	S88° 34' 39"E	18.00'
116 - PLE100	S01° 25' 21"W	67.29'
PLE100 - 115	S01° 25' 21"W	220.25'

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES, DANE COUNTY, NAD83 (2011), IN U.S. SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

ALL NEW RIGHT-OF-WAY MONUMENTS WIL BE TYPE 2 (TYPICALLY 3/4" X 24" IRON REBARS) UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET, RECORDED IN THE OFFICE OF REGISTER OF DEEDS IN DANE COUNTY AS SHEET 2 OF 2 OF DOCUMENT 5926253.

FOUND IRON PINS ARE 3/4" REBARS UNLESS OTHERWISE NOTED.

FOR CURRENT ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION IN MADISON.

SIXTEENTH LINES WERE ESTABLISHED BY SECTION BREAKDOWN OF OBSERVED PLSS MONUMENTS.

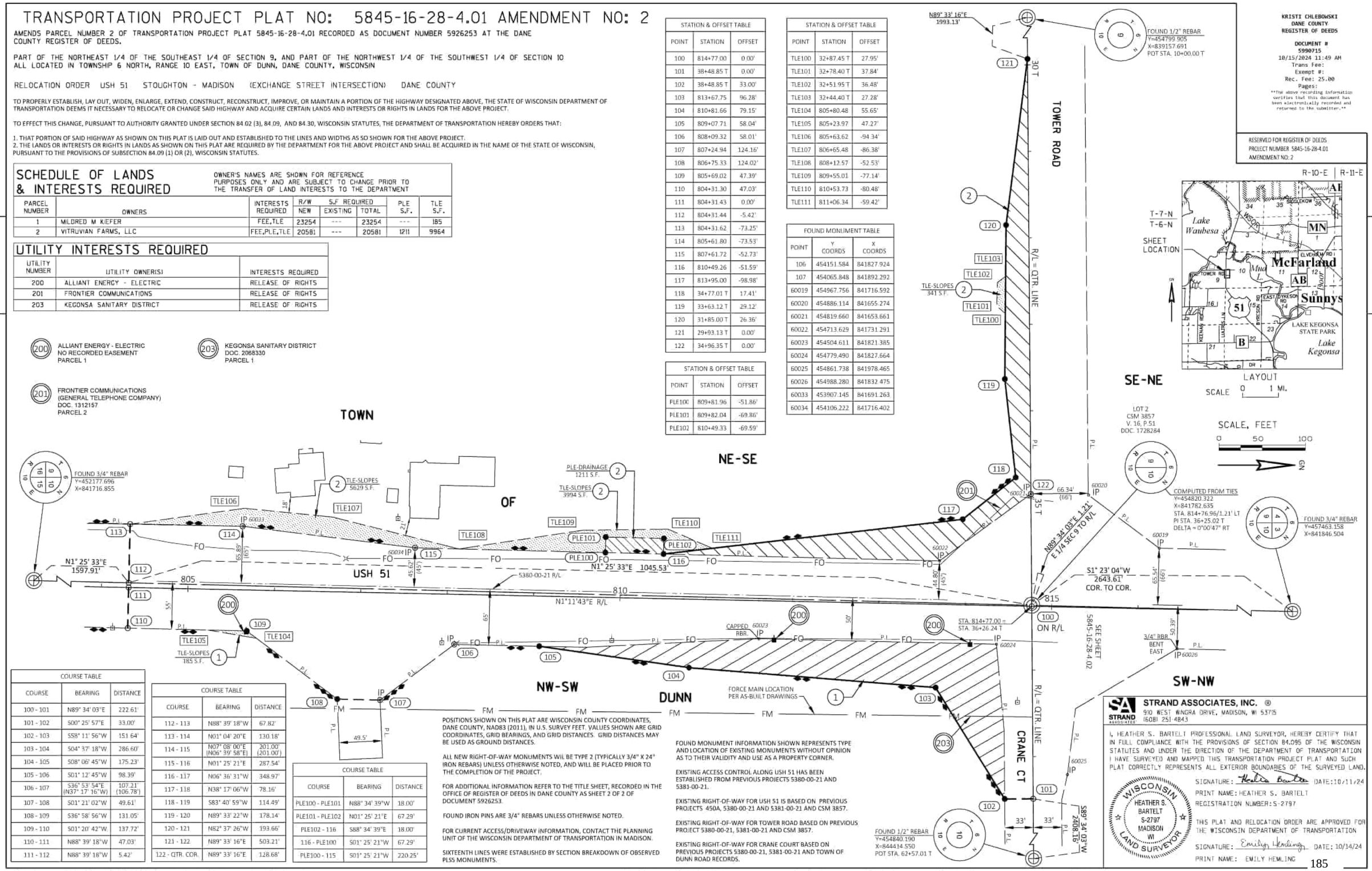
FOUND MONUMENT INFORMATION SHOWN REPRESENTS TYPE AND LOCATION OF EXISTING MONUMENTS WITHOUT OPINION AS TO THEIR VALIDITY AND USE AS A PROPERTY CORNER.

EXISTING ACCESS CONTROL ALONG USH 51 HAS BEEN ESTABLISHED FROM PREVIOUS PROJECTS 5380-00-21 AND 5381-00-21.

EXISTING RIGHT-OF-WAY FOR USH 51 IS BASED ON PREVIOUS PROJECTS 450A, 5380-00-21 AND 5381-00-21 AND CSM 3857.

EXISTING RIGHT-OF-WAY FOR TOWER ROAD BASED ON PREVIOUS PROJECT 5380-00-21, 5381-00-21 AND CSM 3857.

EXISTING RIGHT-OF-WAY FOR CRANE COURT BASED ON PREVIOUS PROJECTS 5380-00-21, 5381-00-21 AND TOWN OF DUNN ROAD RECORDS.



KRISTI CHLEBOWSKI
DANE COUNTY
REGISTER OF DEEDS

DOCUMENT #
5990715
10/15/2024 11:49 AM
Trans Fee:
Exempt #:
Rec. Fee: 25.00
Pages:
The above recording information verifies that this document has been electronically recorded and returned to the submitter.

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 5845-16-28-4.01
AMENDMENT NO: 2

STRAND ASSOCIATES, INC. ®
910 WEST WINGRA DRIVE, MADISON, WI 53715
(608) 251-4843

I, HEATHER S. BARTELT 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: Heather Bartelt DATE: 10/11/24
PRINT NAME: HEATHER S. BARTELT
REGISTRATION NUMBER: S-2797

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION

SIGNATURE: Emily Hemling DATE: 10/14/24
PRINT NAME: EMILY HEMLING

WISCONSIN LAND SURVEYOR
HEATHER S. BARTELT
S-2797
MADISON
WI

TRANSPORTATION PROJECT PLAT NO: 5845-16-28-4.01 AMENDMENT NO: 1

AMENDS UTILITY NUMBER 201 AND REVISES FOUND MONUMENT TABLE OF TRANSPORTATION PROJECT PLAT 5845-16-28-4.01 RECORDED AS DOCUMENT NUMBER 5926253 AT THE DANE COUNTY REGISTER OF DEEDS.

PART OF THE NORTHEAST 1/4 OF THE SOUTHEAST 1/4 OF SECTION 9, AND PART OF THE NORTHWEST 1/4 OF THE SOUTHWEST 1/4 OF SECTION 10 ALL LOCATED IN TOWNSHIP 6 NORTH, RANGE 10 EAST, TOWN OF DUNN, DANE COUNTY, WISCONSIN

RELOCATION ORDER USH 51 STOUGHTON - MADISON (EXCHANGE STREET INTERSECTION) DANE 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 SUBSECTION 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 CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT

PARCEL NUMBER	OWNERS	INTERESTS REQUIRED	R/W S.F. REQUIRED NEW	R/W S.F. REQUIRED EXISTING	R/W S.F. REQUIRED TOTAL	TLE S.F.
1	MILDRED M KIEFER	FEE,TLE	23254	---	23254	185
2	VITRUVIAN FARMS, LLC	FEE,TLE	20581	---	20581	11175

UTILITY INTERESTS REQUIRED

UTILITY NUMBER	UTILITY OWNER(S)	INTERESTS REQUIRED
200	ALLIANT ENERGY - ELECTRIC	RELEASE OF RIGHTS
201	FRONTIER COMMUNICATIONS	RELEASE OF RIGHTS
203	KEGONSA SANITARY DISTRICT	RELEASE OF RIGHTS

(200) ALLIANT ENERGY - ELECTRIC
NO RECORDED EASEMENT
PARCEL 1

(203) KEGONSA SANITARY DISTRICT
DOC. 2068330
PARCEL 1

(201) FRONTIER COMMUNICATIONS
(GENERAL TELEPHONE COMPANY)
DOC. 1312157
PARCEL 2

STATION & OFFSET TABLE		
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111	804+31.43	0.00'
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119	33+63.12 T	29.12'
120	31+85.00 T	26.36'
121	29+93.13 T	0.00'
122	34+96.35 T	0.00'

STATION & OFFSET TABLE		
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COURSE TABLE		
COURSE	BEARING	DISTANCE
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107 - 108	S01° 21' 02"W	49.61'
108 - 109	S36° 58' 56"W	131.05'
109 - 110	S01° 20' 42"W	137.72'
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111 - 112	N88° 39' 18"W	5.42'

COURSE TABLE		
COURSE	BEARING	DISTANCE
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114 - 115	N07° 08' 00"E (N06° 39' 58"E)	201.00' (201.00')
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116 - 117	N06° 36' 31"W	348.97'
117 - 118	N38° 17' 06"W	78.16'
118 - 119	S83° 40' 59"W	114.49'
119 - 120	N89° 33' 22"W	178.14'
120 - 121	N82° 37' 26"W	193.66'
121 - 122	N89° 33' 16"E	503.21'
122 - QTR. COR.	N89° 33' 16"E	128.68'

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES, DANE COUNTY, NAD83 (2011), IN U.S. SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

ALL NEW RIGHT-OF-WAY MONUMENTS WIL BE TYPE 2 (TYPICALLY 3/4" X 24" IRON REBARS) UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET, RECORDED IN THE OFFICE OF REGISTER OF DEEDS IN DANE COUNTY AS SHEET 2 OF 2 OF DOCUMENT 5926253.

FOUND IRON PINS ARE 3/4" REBARS UNLESS OTHERWISE NOTED.

FOR CURRENT ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION IN MADISON.

SIXTEENTH LINES WERE ESTABLISHED BY SECTION BREAKDOWN OF OBSERVED PLSS MONUMENTS.

FOUND MONUMENT INFORMATION SHOWN REPRESENTS TYPE AND LOCATION OF EXISTING MONUMENTS WITHOUT OPINION AS TO THEIR VALIDITY AND USE AS A PROPERTY CORNER.

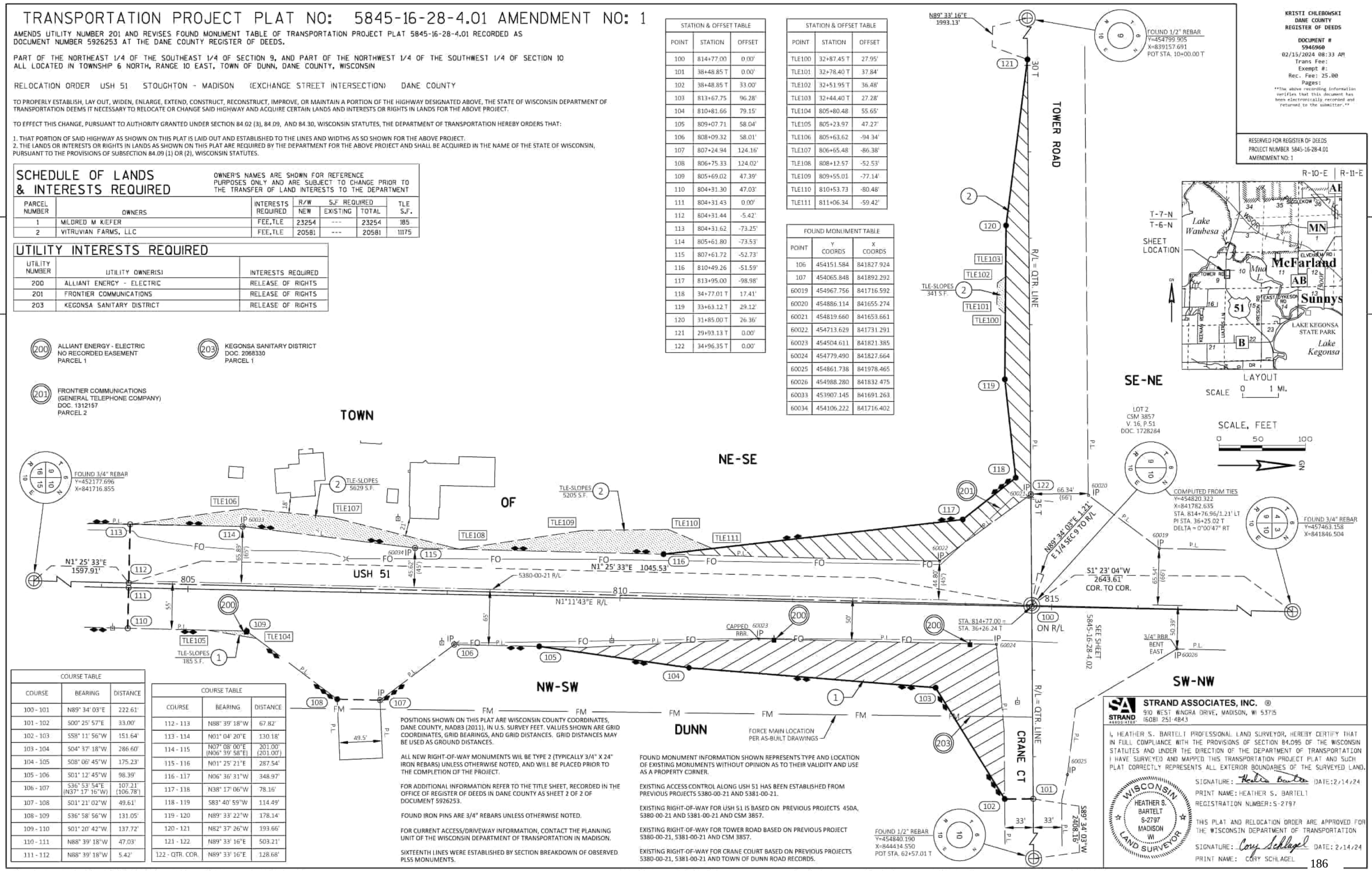
EXISTING ACCESS CONTROL ALONG USH 51 HAS BEEN ESTABLISHED FROM PREVIOUS PROJECTS 5380-00-21 AND 5381-00-21.

EXISTING RIGHT-OF-WAY FOR USH 51 IS BASED ON PREVIOUS PROJECTS 450A, 5380-00-21 AND 5381-00-21 AND CSM 3857.

EXISTING RIGHT-OF-WAY FOR TOWER ROAD BASED ON PREVIOUS PROJECT 5380-00-21, 5381-00-21 AND CSM 3857.

EXISTING RIGHT-OF-WAY FOR CRANE COURT BASED ON PREVIOUS PROJECTS 5380-00-21, 5381-00-21 AND TOWN OF DUNN ROAD RECORDS.

FORCE MAIN LOCATION PER AS-BUILT DRAWINGS



KRISTI CHLEBOWSKI
DANE COUNTY
REGISTER OF DEEDS

DOCUMENT # 5946960
02/15/2024 08:33 AM
Trans Fee:
Exempt #:
Rec. Fee: 25.00
Pages:

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RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 5845-16-28-4.01
AMENDMENT NO: 1

STRAND ASSOCIATES, INC. ®
910 WEST WINGRA DRIVE, MADISON, WI 53715
(608) 251-4843

I, HEATHER S. BARTELT 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: Heather Bartelt DATE: 2/14/24
PRINT NAME: HEATHER S. BARTELT
REGISTRATION NUMBER: S-2797

WISCONSIN HEATHER S. BARTELT S-2797 MADISON WI LAND SURVEYOR

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION

SIGNATURE: Cory Schlagel DATE: 2/14/24
PRINT NAME: CORY SCHLAGEL

TRANSPORTATION PROJECT PLAT NO: 5845-16-28-4.01

PART OF THE NORTHEAST 1/4 OF THE SOUTHEAST 1/4 OF SECTION 9, AND PART OF THE NORTHWEST 1/4 OF THE SOUTHWEST 1/4 OF SECTION 10 ALL LOCATED IN TOWNSHIP 6 NORTH, RANGE 10 EAST, TOWN OF DUNN, DANE COUNTY, WISCONSIN

RELOCATION ORDER USH 51 STOUGHTON - MADISON (EXCHANGE STREET INTERSECTION) DANE 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 SUBSECTION 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 CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT

PARCEL NUMBER	OWNERS	INTERESTS REQUIRED	R/W S.F. REQUIRED NEW	EXISTING	TOTAL	TLE S.F.
1	MILDRED M KIEFER	FEE,TLE	23254	---	23254	185
2	VITRUVIAN FARMS, LLC	FEE,TLE	20581	---	20581	11175

UTILITY INTERESTS REQUIRED

UTILITY NUMBER	UTILITY OWNER(S)	INTERESTS REQUIRED
200	ALLIANT ENERGY - ELECTRIC	RELEASE OF RIGHTS
201	FRONTIER COMMUNICATIONS	RELEASE OF RIGHTS
203	KEGONSA SANITARY DISTRICT	RELEASE OF RIGHTS

(200) ALLIANT ENERGY - ELECTRIC
NO RECORDED EASEMENT
PARCEL 1

(203) KEGONSA SANITARY DISTRICT
DOC. 2068330
PARCEL 1

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(GENERAL TELEPHONE COMPANY)
DOC. 1312157
PARCEL 2

STATION & OFFSET TABLE		
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112	804+31.44	-5.42'
113	804+31.62	-73.25'
114	805+61.80	-73.53'
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116	810+49.26	-51.59'
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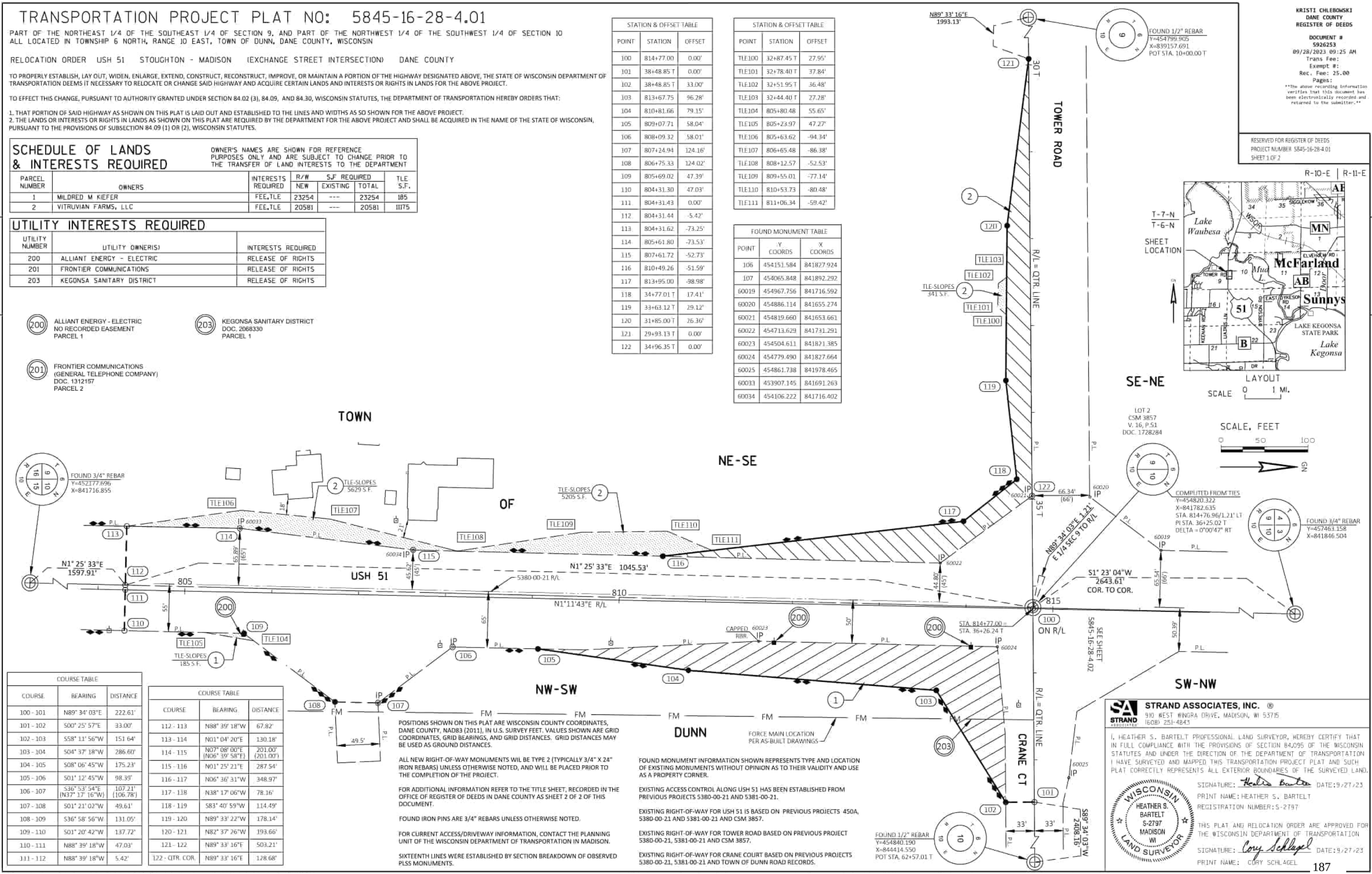

KRISTI CHLEBOWSKI
DANE COUNTY
REGISTER OF DEEDS

DOCUMENT #
5926253
09/28/2023 09:25 AM
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Exempt #:
Rec. Fee: 25.00
Pages:
The above recording information verifies that this document has been electronically recorded and returned to the submitter.

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 5845-16-28-4.01
SHEET 1 OF 2

COURSE TABLE		
COURSE	BEARING	DISTANCE
100 - 101	N89° 34' 03"E	222.61'
101 - 102	S00° 25' 57"E	33.00'
102 - 103	S58° 11' 56"W	151.64'
103 - 104	S04° 37' 18"W	286.60'
104 - 105	S08° 06' 45"W	175.23'
105 - 106	S01° 12' 45"W	98.39'
106 - 107	S36° 53' 54"E (N37° 17' 16"W)	107.21' (106.78')
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COURSE TABLE		
COURSE	BEARING	DISTANCE
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113 - 114	N01° 04' 20"E	130.18'
114 - 115	N07° 08' 00"E (N06° 39' 58"E)	201.00' (201.00')
115 - 116	N01° 25' 21"E	287.54'
116 - 117	N06° 36' 31"W	348.97'
117 - 118	N38° 17' 06"W	78.16'
118 - 119	S83° 40' 59"W	114.49'
119 - 120	N89° 33' 22"W	178.14'
120 - 121	N82° 37' 26"W	193.66'
121 - 122	N89° 33' 16"E	503.21'
122 - QTR. COR.	N89° 33' 16"E	128.68'

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES, DANE COUNTY, NAD83 (2011), IN U.S. SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

ALL NEW RIGHT-OF-WAY MONUMENTS WIL BE TYPE 2 (TYPICALLY 3/4" X 24" IRON REBARS) UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET, RECORDED IN THE OFFICE OF REGISTER OF DEEDS IN DANE COUNTY AS SHEET 2 OF 2 OF THIS DOCUMENT.

FOUND IRON PINS ARE 3/4" REBARS UNLESS OTHERWISE NOTED.

FOR CURRENT ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION IN MADISON.

SIXTEENTH LINES WERE ESTABLISHED BY SECTION BREAKDOWN OF OBSERVED PLSS MONUMENTS.

FOUND MONUMENT INFORMATION SHOWN REPRESENTS TYPE AND LOCATION OF EXISTING MONUMENTS WITHOUT OPINION AS TO THEIR VALIDITY AND USE AS A PROPERTY CORNER.

EXISTING ACCESS CONTROL ALONG USH 51 HAS BEEN ESTABLISHED FROM PREVIOUS PROJECTS 5380-00-21 AND 5381-00-21.

EXISTING RIGHT-OF-WAY FOR USH 51 IS BASED ON PREVIOUS PROJECTS 450A, 5380-00-21 AND 5381-00-21 AND CSM 3857.

EXISTING RIGHT-OF-WAY FOR TOWER ROAD BASED ON PREVIOUS PROJECT 5380-00-21, 5381-00-21 AND CSM 3857.

EXISTING RIGHT-OF-WAY FOR CRANE COURT BASED ON PREVIOUS PROJECTS 5380-00-21, 5381-00-21 AND TOWN OF DUNN ROAD RECORDS.

STRAND ASSOCIATES, INC. ®
910 WEST WINGRA DRIVE, MADISON, WI 53715
(608) 251-4843

I, HEATHER S. BARTELT 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: Heather Bartelt DATE: 9/27/23
PRINT NAME: HEATHER S. BARTELT
REGISTRATION NUMBER: S-2797

WISCONSIN HEATHER S. BARTELT S-2797 MADISON WI LAND SURVEYOR

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION

SIGNATURE: Cory Schlagel DATE: 9/27/23
PRINT NAME: CORY SCHLAGEL

TRANSPORTATION PROJECT PLAT NO: 5845-16-28-4.02
AMENDMENT NO: 1

ADDS UTILITY NUMBER 201 TO TRANSPORTATION PROJECT PLAT 5845-16-28-4.02 RECORDED AS DOCUMENT NUMBER 5930193.

PART OF LOT 2, CSM 3857, LOT 1 AND LOT 2, CSM 3929 LOCATED IN THE SOUTHEAST 1/4 OF THE NORTHEAST 1/4 OF SECTION 9, AND PART OF THE SOUTHWEST 1/4 OF THE NORTHWEST 1/4 OF SECTION 10 ALL LOCATED IN TOWNSHIP 6 NORTH, RANGE 10 EAST, TOWN OF DUNN, DANE COUNTY, WISCONSIN

RELOCATION ORDER USH 51 STOUGHTON - MADISON (EXCHANGE STREET INTERSECTION) DANE 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 SUBSECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

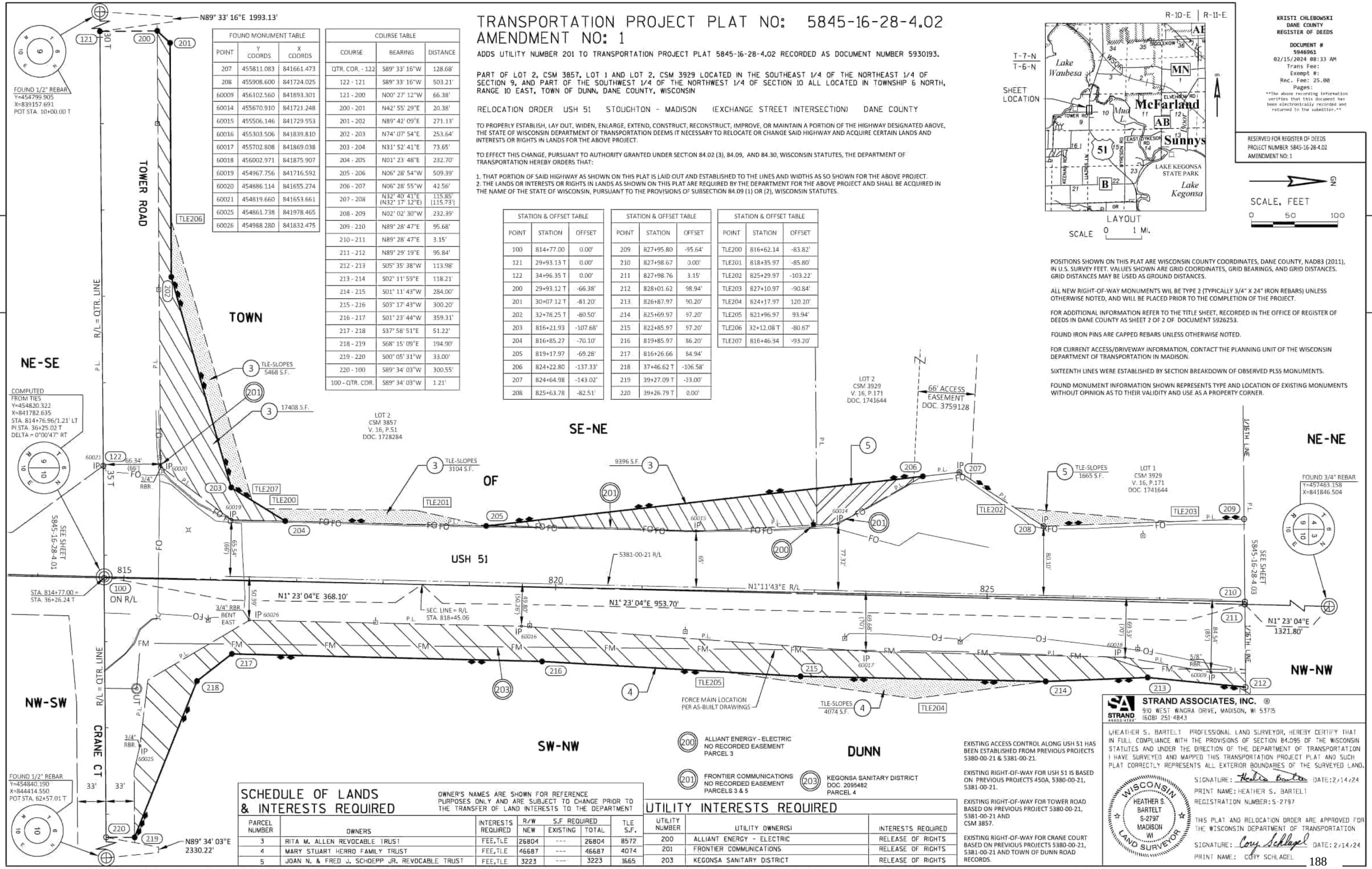
FOUND MONUMENT TABLE		
POINT	Y COORDS	X COORDS
207	455811.083	841661.473
208	455908.600	841724.025
60009	456102.560	841893.301
60014	455670.910	841721.248
60015	455506.146	841729.553
60016	455303.506	841839.810
60017	455702.808	841869.038
60018	456002.971	841875.907
60019	454967.756	841716.592
60020	454886.114	841655.274
60021	454819.660	841653.661
60025	454861.738	841978.465
60026	454988.280	841832.475

COURSE TABLE		
COURSE	BEARING	DISTANCE
QTR. COR. - 122	S89° 33' 16"W	128.68'
122 - 121	S89° 33' 16"W	503.21'
121 - 200	N00° 27' 12"W	66.38'
200 - 201	N42° 55' 29"E	20.38'
201 - 202	N89° 42' 09"E	271.13'
202 - 203	N74° 07' 54"E	253.64'
203 - 204	N31° 52' 41"E	73.65'
204 - 205	N01° 23' 48"E	232.70'
205 - 206	N06° 28' 54"W	509.39'
206 - 207	N06° 28' 55"W	42.56'
207 - 208	N32° 40' 41"E (N32° 17' 12"E)	115.85' (115.73')
208 - 209	N02° 02' 30"W	232.39'
209 - 210	N89° 28' 47"E	95.68'
210 - 211	N89° 28' 47"E	3.15'
211 - 212	N89° 29' 19"E	95.84'
212 - 213	S05° 35' 38"W	113.98'
213 - 214	S02° 11' 59"E	118.21'
214 - 215	S01° 11' 43"W	284.00'
215 - 216	S03° 17' 43"W	300.20'
216 - 217	S01° 23' 44"W	359.31'
217 - 218	S37° 58' 51"E	51.22'
218 - 219	S68° 15' 09"E	194.90'
219 - 220	S00° 05' 31"W	33.00'
220 - 100	S89° 34' 03"W	300.55'
100 - QTR. CDR.	S89° 34' 03"W	1.21'

STATION & OFFSET TABLE		
POINT	STATION	OFFSET
100	814+77.00	0.00'
121	29+93.13 T	0.00'
122	34+96.35 T	0.00'
200	29+93.12 T	-66.38'
201	30+07.12 T	-81.20'
202	32+78.25 T	-80.50'
203	816+21.93	-107.68'
204	816+85.27	-70.10'
205	819+17.97	-69.28'
206	824+22.80	-137.33'
207	824+64.98	-143.02'
208	825+63.78	-82.51'

STATION & OFFSET TABLE		
POINT	STATION	OFFSET
209	827+95.80	-95.64'
210	827+98.67	0.00'
211	827+98.76	3.15'
212	828+01.62	98.94'
213	826+87.97	90.20'
214	825+69.97	97.20'
215	822+85.97	97.20'
216	819+85.97	86.20'
217	816+26.66	84.94'
218	37+46.62 T	-106.58'
219	39+27.09 T	-33.00'
220	39+26.79 T	0.00'

STATION & OFFSET TABLE		
POINT	STATION	OFFSET
TLE200	816+62.14	-83.82'
TLE201	818+35.97	-85.80'
TLE202	825+29.97	-103.22'
TLE203	827+10.97	-90.84'
TLE204	824+17.97	120.20'
TLE205	821+96.97	93.94'
TLE206	32+12.08 T	-80.67'
TLE207	816+46.34	-93.20'



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	OWNERS	INTERESTS REQUIRED	R/W S.F REQUIRED NEW	EXISTING	TOTAL	TLE S.F.
3	RITA M. ALLEN REVOCABLE TRUST	FEE,TLE	26804	---	26804	8572
4	MARY STUART HERRO FAMILY TRUST	FEE,TLE	46687	---	46687	4074
5	JOAN N. & FRED J. SCHOEPP JR. REVOCABLE TRUST	FEE,TLE	3223	---	3223	1665

UTILITY INTERESTS REQUIRED		
UTILITY NUMBER	UTILITY OWNER(S)	INTERESTS REQUIRED
200	ALLIANT ENERGY - ELECTRIC	RELEASE OF RIGHTS
201	FRONTIER COMMUNICATIONS	RELEASE OF RIGHTS
203	KEGONSA SANITARY DISTRICT	RELEASE OF RIGHTS

200 ALLIANT ENERGY - ELECTRIC NO RECORDED EASEMENT PARCEL 3

201 FRONTIER COMMUNICATIONS NO RECORDED EASEMENT PARCELS 3 & 5

203 KEGONSA SANITARY DISTRICT DOC. 2095482 PARCEL 4

EXISTING ACCESS CONTROL ALONG USH 51 HAS BEEN ESTABLISHED FROM PREVIOUS PROJECTS 5380-00-21 & 5381-00-21.

EXISTING RIGHT-OF-WAY FOR USH 51 IS BASED ON PREVIOUS PROJECTS 450A, 5380-00-21, 5381-00-21.

EXISTING RIGHT-OF-WAY FOR TOWER ROAD BASED ON PREVIOUS PROJECT 5380-00-21, 5381-00-21 AND CSM 3857.

EXISTING RIGHT-OF-WAY FOR CRANE COURT BASED ON PREVIOUS PROJECTS 5380-00-21, 5381-00-21 AND TOWN OF DUNN ROAD RECORDS.

KRISTI CHLEBOWSKI
DANE COUNTY
REGISTER OF DEEDS

DOCUMENT # 5946961
02/15/2024 08:33 AM
Trans Fee: Exempt #: Rec. Fee: 25.00 Pages:
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RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 5845-16-28-4.02
AMENDMENT NO: 1

GN
SCALE, FEET
0 50 100

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES, DANE COUNTY, NAD83 (2011), IN U.S. SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

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FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET, RECORDED IN THE OFFICE OF REGISTER OF DEEDS IN DANE COUNTY AS SHEET 2 OF 2 OF DOCUMENT 5926253.

FOUND IRON PINS ARE CAPPED REBARS UNLESS OTHERWISE NOTED.

FOR CURRENT ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION IN MADISON.

SIXTEENTH LINES WERE ESTABLISHED BY SECTION BREAKDOWN OF OBSERVED PLSS MONUMENTS.

FOUND MONUMENT INFORMATION SHOWN REPRESENTS TYPE AND LOCATION OF EXISTING MONUMENTS WITHOUT OPINION AS TO THEIR VALIDITY AND USE AS A PROPERTY CORNER.

STRAND ASSOCIATES, INC. ®
910 WEST WINGRA DRIVE, MADISON, WI 53715
(608) 251-4843

I, HEATHER S. BARTELT 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: Heather Bartelt DATE: 2/14/24
PRINT NAME: HEATHER S. BARTELT
REGISTRATION NUMBER: S-2797

WISCONSIN HEATHER S. BARTELT S-2797 MADISON WI LAND SURVEYOR

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION

SIGNATURE: Cory Schlagel DATE: 2/14/24
PRINT NAME: CORY SCHLAGEL

FILE NAME: S:\MAD\1000-1099\1089\981\DRAWINGS\CAD\CIVIL 3D\RW\DWG\040101_RP.DWG
APPRAISAL PLAT DATE: 2/14/24
PLOT DATE: 2/14/2024 4:23 PM PLOT BY: BARTELT, HEATHER PLOT NAME: PLOT SCALE:

TRANSPORTATION PROJECT PLAT NO: 5845-16-28-4.02

PART OF LOT 2, CSM 3857, LOT 1 AND LOT 2, CSM 3929 LOCATED IN THE SOUTHEAST 1/4 OF THE NORTHEAST 1/4 OF SECTION 9, AND PART OF THE SOUTHWEST 1/4 OF THE NORTHWEST 1/4 OF SECTION 10 ALL LOCATED IN TOWNSHIP 6 NORTH, RANGE 10 EAST, TOWN OF DUNN, DANE COUNTY, WISCONSIN

RELOCATION ORDER USH 51 STOUGHTON - MADISON (EXCHANGE STREET INTERSECTION) DANE 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.

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KRISTI CHLEBOWSKI
DANE COUNTY
REGISTER OF DEEDS

DOCUMENT #
5930193
10/20/2023 12:45 PM
Trans Fee:
Exempt #:
Rec. Fee: 25.00
Pages:
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RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 5845-16-28-4.02

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES, DANE COUNTY, NAD83 (2011), IN U.S. SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

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STATION & OFFSET TABLE		
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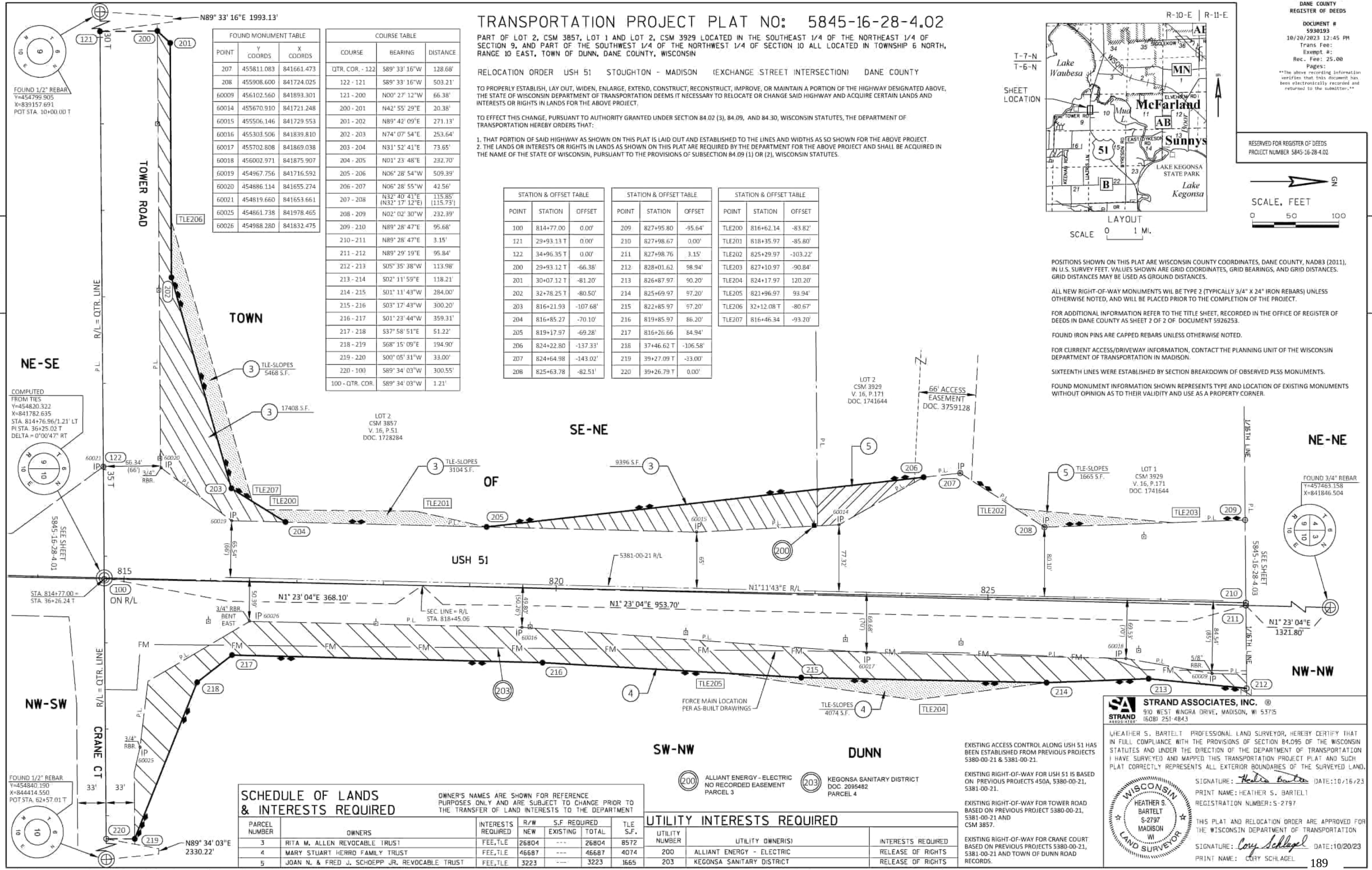
TLE205	821+96.97	93.94'
TLE206	32+12.08 T	-80.67'
TLE207	816+46.34	-93.20'



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	OWNERS	INTERESTS REQUIRED	R/W S.F REQUIRED NEW	EXISTING	TOTAL	TLE S.F.
3	RITA M. ALLEN REVOCABLE TRUST	FEE,TLE	26804	---	26804	8572
4	MARY STUART HERRO FAMILY TRUST	FEE,TLE	46687	---	46687	4074
5	JOAN N. & FRED J. SCHOEPP JR. REVOCABLE TRUST	FEE,TLE	3223	---	3223	1665

UTILITY INTERESTS REQUIRED

UTILITY NUMBER	UTILITY OWNER(S)	INTERESTS REQUIRED
200	ALLIANT ENERGY - ELECTRIC	RELEASE OF RIGHTS
203	KEGONSA SANITARY DISTRICT	RELEASE OF RIGHTS

(200) ALLIANT ENERGY - ELECTRIC NO RECORDED EASEMENT PARCEL 3

(203) KEGONSA SANITARY DISTRICT DOC. 2095482 PARCEL 4

EXISTING ACCESS CONTROL ALONG USH 51 HAS BEEN ESTABLISHED FROM PREVIOUS PROJECTS 5380-00-21 & 5381-00-21.

EXISTING RIGHT-OF-WAY FOR USH 51 IS BASED ON PREVIOUS PROJECTS 450A, 5380-00-21, 5381-00-21.

EXISTING RIGHT-OF-WAY FOR TOWER ROAD BASED ON PREVIOUS PROJECT 5380-00-21, 5381-00-21 AND CSM 3857.

EXISTING RIGHT-OF-WAY FOR CRANE COURT BASED ON PREVIOUS PROJECTS 5380-00-21, 5381-00-21 AND TOWN OF DUNN ROAD RECORDS.

STRAND ASSOCIATES, INC. ®
910 WEST WINGRA DRIVE, MADISON, WI 53715
(608) 251-4843

I, HEATHER S. BARTELT 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 HEATHER S. BARTELT S-2797 MADISON WI LAND SURVEYOR

SIGNATURE: Heather Bartelt DATE: 10/16/23
PRINT NAME: HEATHER S. BARTELT
REGISTRATION NUMBER: S-2797

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION

SIGNATURE: Cory Schlagel DATE: 10/20/23
PRINT NAME: CORY SCHLAGEL

FILE NAME: S:\MAD\1000-1099\1089\981\DRAWINGS\CAD\CIVIL 3D\RW\DWG\040101_RP.DWG
APPRAISAL PLAT DATE: 10/16/23
PLOT DATE: 10/16/2023 1:29 PM
PLOT BY: BARTELT, HEATHER
PLOT NAME:
PLOT SCALE:

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	OWNERS	INTERESTS REQUIRED	R/W S.F REQUIRED NEW	EXISTING	TOTAL	TLE S.F.
4	MARY STUART HERRO FAMILY TRUST	FEE	30584	---	30584	---
6	TODD & TAMMY K DARST REVOCABLE TRUST	TLE	---	---	---	1728
7	TODD DARST	FEE,TLE	7712	---	7712	13934
8	STUART C. HERRO	FEE	1372	---	1372	---

UTILITY INTERESTS REQUIRED

UTILITY NUMBER	UTILITY OWNER(S)	INTERESTS REQUIRED
200	ALLIANT ENERGY - ELECTRIC	RELEASE OF RIGHTS
201	FRONTIER COMMUNICATIONS	RELEASE OF RIGHTS
203	KEGONSA SANITARY DISTRICT	RELEASE OF RIGHTS

(200) ALLIANT ENERGY - ELECTRIC
NO RECORDED EASEMENT
PARCEL 4

(201) FRONTIER COMMUNICATIONS
NO RECORDED EASEMENT
PARCELS 4, 6 & 7

(203) KEGONSA SANITARY DISTRICT
DOC. 2068329
PARCEL 7

(203) KEGONSA SANITARY DISTRICT
DOC. 2095482
PARCEL 4

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES, DANE COUNTY, NAD83 (2011), IN U.S. SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

ALL NEW RIGHT-OF-WAY MONUMENTS WIL BE TYPE 2 (TYPICALLY 3/4" X 24" IRON REBARS) UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET, RECORDED IN THE OFFICE OF REGISTER OF DEEDS IN DANE COUNTY AS SHEET 2 OF 2 OF DOCUMENT 5926253.

FOUND IRON PINS ARE CAPPED REBARS UNLESS OTHERWISE NOTED.

FOR CURRENT ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION IN MADISON.

SIXTEENTH LINES WERE ESTABLISHED BY SECTION BREAKDOWN OF OBSERVED PLSS MONUMENTS.

FOUND MONUMENT INFORMATION SHOWN REPRESENTS TYPE AND LOCATION OF EXISTING MONUMENTS WITHOUT OPINION AS TO THEIR VALIDITY AND USE AS A PROPERTY CORNER.

EXISTING ACCESS CONTROL ALONG USH 51 HAS BEEN ESTABLISHED FROM PREVIOUS PROJECT 5381-00-21.

EXISTING RIGHT-OF-WAY FOR USH 51 IS BASED ON PREVIOUS PROJECT 450A, 5381-00-21 AND PLAT OF SURVEY 95-0510.

EXISTING RIGHT-OF-WAY FOR EXCHANGE ST. BASED ON PREVIOUS PROJECT 5381-00-21, CSM 1497, PLAT OF SURVEY 95-0510 AND PLAT OF SURVEY 3684.

TRANSPORTATION PROJECT PLAT NO: 5845-16-28-4.03 AMENDMENT NO: 2

AMENDS PARCEL NUMBER 7 OF TRANSPORTATION PROJECT PLAT 5845-16-28-4.03 RECORDED AS DOCUMENT NUMBER 5930195 AT THE DANE COUNTY REGISTER OF DEEDS.

THAT PART OF NORTHEAST 1/4 OF THE NORTHEAST 1/4 IN SECTION 9, AND PART OF LOT 4 OF CSM 1497 BEING LOCATED IN AND INCLUDING THE NORTHWEST 1/4 OF THE NORTHWEST 1/4 IN SECTION 10 ALL LOCATED IN TOWNSHIP 6 NORTH, RANGE 10 EAST, TOWN OF DUNN, DANE COUNTY, WISCONSIN

RELOCATION ORDER USH 51 STOUGHTON - MADISON (EXCHANGE STREET INTERSECTION) DANE 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.

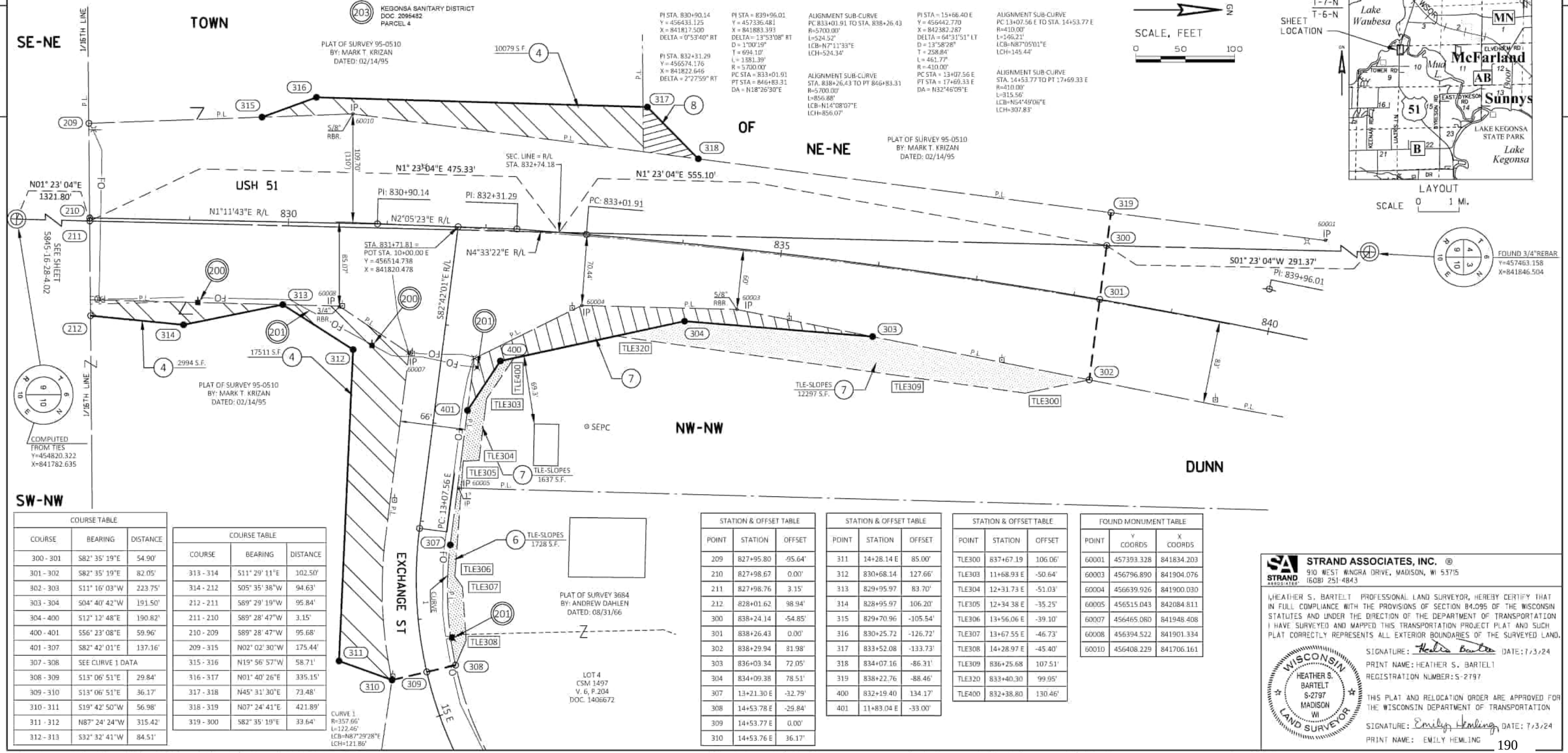
TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09, AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:

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 SUBSUBSECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

KRISTI CHLEBOWSKI
DANE COUNTY
REGISTER OF DEEDS

DOCUMENT #
5972441
07/08/2024 09:36 AM
Trans Fee:
Exempt #:
Rec. Fee: 25.00
Pages:
The above recording information verifies that this document has been electronically recorded and returned to the submitter.

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 5845-16-28-4.03
AMENDMENT NO: 2



COURSE TABLE		
COURSE	BEARING	DISTANCE
300 - 301	S82° 35' 19"E	54.90'
301 - 302	S82° 35' 19"E	82.05'
302 - 303	S11° 16' 03"W	223.75'
303 - 304	S04° 40' 42"W	191.50'
304 - 400	S12° 12' 48"E	190.82'
400 - 401	S56° 23' 08"E	59.96'
401 - 307	S82° 42' 01"E	137.16'
307 - 308	SEE CURVE 1 DATA	
308 - 309	S13° 06' 51"E	29.84'
309 - 310	S13° 06' 51"E	36.17'
310 - 311	S19° 42' 50"W	56.98'
311 - 312	N87° 24' 24"W	315.42'
312 - 313	S32° 32' 41"W	84.51'

COURSE TABLE		
COURSE	BEARING	DISTANCE
313 - 314	S11° 29' 11"E	102.50'
314 - 212	S05° 35' 38"W	94.63'
212 - 211	S89° 29' 19"W	95.84'
211 - 210	S89° 28' 47"W	3.15'
210 - 209	S89° 28' 47"W	95.68'
209 - 315	N02° 02' 30"W	175.44'
315 - 316	N19° 56' 57"W	58.71'
316 - 317	N01° 40' 26"E	335.15'
317 - 318	N45° 31' 30"E	73.48'
318 - 319	N07° 24' 41"E	421.89'
319 - 300	S82° 35' 19"E	33.64'

STATION & OFFSET TABLE		
POINT	STATION	OFFSET
209	827+95.80	-95.64'
210	827+98.67	0.00'
211	827+98.76	3.15'
212	828+01.62	98.94'
300	838+24.14	-54.85'
301	838+26.43	0.00'
302	838+29.94	81.98'
303	836+03.34	72.05'
304	834+09.38	78.51'
307	13+21.30 E	-32.79'
308	14+53.78 E	-29.84'
309	14+53.77 E	0.00'
310	14+53.76 E	36.17'

STATION & OFFSET TABLE		
POINT	STATION	OFFSET
311	14+28.14 E	85.00'
312	830+68.14	127.66'
313	829+95.97	83.70'
314	828+95.97	106.20'
315	829+70.96	-105.54'
316	830+25.72	-126.72'
317	833+52.08	-133.73'
318	834+07.16	-86.31'
319	838+22.76	-88.46'
400	832+19.40	134.17'
401	11+83.04 E	-33.00'

STATION & OFFSET TABLE		
POINT	STATION	OFFSET
TLE300	837+67.19	106.06'
TLE303	11+68.93 E	-50.64'
TLE304	12+31.73 E	-51.03'
TLE305	12+34.38 E	-35.25'
TLE306	13+56.06 E	-39.10'
TLE307	13+67.55 E	-46.73'
TLE308	14+28.97 E	-45.40'
TLE309	836+25.68	107.51'
TLE320	833+40.30	99.95'
TLE400	832+38.80	130.46'

FOUND MONUMENT TABLE		
POINT	Y COORDS	X COORDS
60001	457393.328	841834.203
60003	456796.890	841904.076
60004	456639.926	841900.030
60005	456515.043	842084.811
60007	456465.080	841948.408
60008	456394.522	841901.334
60010	456408.229	841706.161

STRAND ASSOCIATES, INC. ®
910 WEST WINGRA DRIVE, MADISON, WI 53715
(608) 251-4843

I, HEATHER S. BARTELT 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 HEATHER S. BARTELT S-2797 MADISON WI LAND SURVEYOR

SIGNATURE: Heather Bartelt DATE: 7/3/24
PRINT NAME: HEATHER S. BARTELT
REGISTRATION NUMBER: S-2797

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION

SIGNATURE: Emily Hemling DATE: 7/3/24
PRINT NAME: EMILY HEMLING

FILE NAME : S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\CIVIL 3D\RW\DWG\040101_RP.DWG
APPRAISAL PLAT DATE : 7/3/24
PLOT DATE : 7/3/2024 4:03 PM
PLOT BY : BARTELT, HEATHER
PLOT NAME :
PLOT SCALE :

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	OWNERS	INTERESTS REQUIRED	R/W S.F REQUIRED NEW	EXISTING	TOTAL	TLE S.F.
4	MARY STUART HERRO FAMILY TRUST	FEE	30584	---	30584	---
6	TODD & TAMMY K DARST REVOCABLE TRUST	TLE	---	---	---	1728
7	TODD DARST	FEE,TLE	6726	---	6726	10569
8	STUART C. HERRO	FEE	1372	---	1372	---

UTILITY INTERESTS REQUIRED

UTILITY NUMBER	UTILITY OWNER(S)	INTERESTS REQUIRED
200	ALLIANT ENERGY - ELECTRIC	RELEASE OF RIGHTS
201	FRONTIER COMMUNICATIONS	RELEASE OF RIGHTS
203	KEGONSA SANITARY DISTRICT	RELEASE OF RIGHTS

(200) ALLIANT ENERGY - ELECTRIC
NO RECORDED EASEMENT
PARCEL 4

(201) FRONTIER COMMUNICATIONS
NO RECORDED EASEMENT
PARCELS 4, 6 & 7

(203) KEGONSA SANITARY DISTRICT
DOC. 2068329
PARCEL 7

(203) KEGONSA SANITARY DISTRICT
DOC. 2095482
PARCEL 4

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES, DANE COUNTY, NAD83 (2011), IN U.S. SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

ALL NEW RIGHT-OF-WAY MONUMENTS WIL BE TYPE 2 (TYPICALLY 3/4" X 24" IRON REBARS) UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET, RECORDED IN THE OFFICE OF REGISTER OF DEEDS IN DANE COUNTY AS SHEET 2 OF 2 OF DOCUMENT 5926253.

FOUND IRON PINS ARE CAPPED REBARS UNLESS OTHERWISE NOTED.

FOR CURRENT ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION IN MADISON.

SIXTEENTH LINES WERE ESTABLISHED BY SECTION BREAKDOWN OF OBSERVED PLSS MONUMENTS.

FOUND MONUMENT INFORMATION SHOWN REPRESENTS TYPE AND LOCATION OF EXISTING MONUMENTS WITHOUT OPINION AS TO THEIR VALIDITY AND USE AS A PROPERTY CORNER.

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EXISTING RIGHT-OF-WAY FOR USH 51 IS BASED ON PREVIOUS PROJECT 450A, 5381-00-21 AND PLAT OF SURVEY 95-0510.

EXISTING RIGHT-OF-WAY FOR EXCHANGE ST. BASED ON PREVIOUS PROJECT 5381-00-21, CSM 1497, PLAT OF SURVEY 95-0510 AND PLAT OF SURVEY 3684.

TRANSPORTATION PROJECT PLAT NO: 5845-16-28-4.03 AMENDMENT NO: 1

AMENDS UTILITY NUMBER 201 OF TRANSPORTATION PROJECT PLAT 5845-16-28-4.03 RECORDED AS DOCUMENT NUMBER 5930195 AT THE DANE COUNTY REGISTER OF DEEDS.

THAT PART OF NORTHEAST 1/4 OF THE NORTHEAST 1/4 IN SECTION 9, AND PART OF LOT 4 OF CSM 1497 BEING LOCATED IN AND INCLUDING THE NORTHWEST 1/4 OF THE NORTHWEST 1/4 IN SECTION 10 ALL LOCATED IN TOWNSHIP 6 NORTH, RANGE 10 EAST, TOWN OF DUNN, DANE COUNTY, WISCONSIN

RELOCATION ORDER USH 51 STOUGHTON - MADISON (EXCHANGE STREET INTERSECTION) DANE 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
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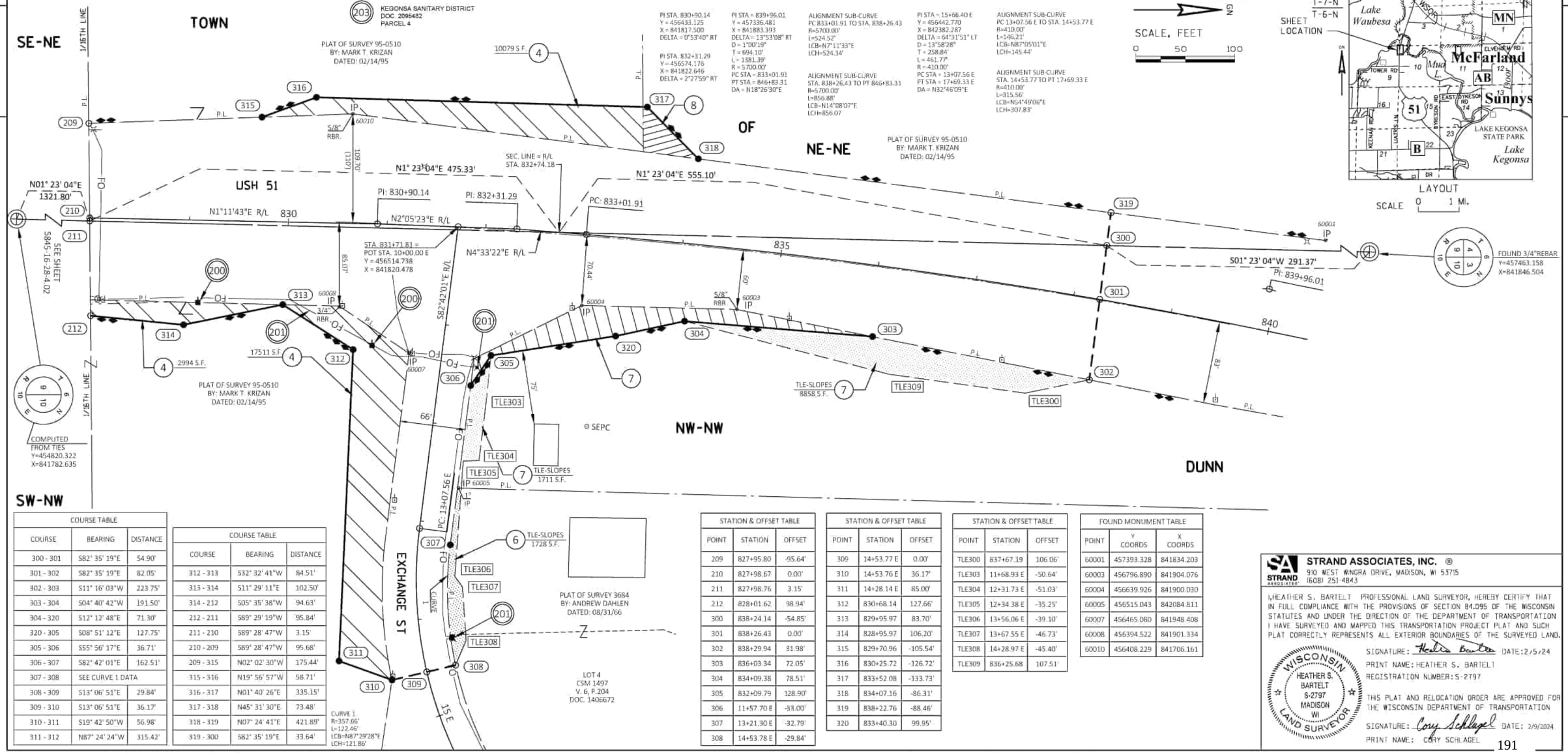
KRISTI CHLEBOWSKI
DANE COUNTY
REGISTER OF DEEDS

DOCUMENT #
5946935
02/15/2024 08:02 AM
Trans Fee:
Exempt #:
Rec. Fee: 25.00
Pages:
The above recording information verifies that this document has been electronically recorded and returned to the submitter.

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 5845-16-28-4.03
AMENDMENT NO: 1



PI STA. 830+90.14
Y = 456433.125
X = 841817.500
DELTA = 0°53'40" RT

PI STA. 832+31.29
Y = 456574.176
X = 841822.646
DELTA = 2°27'59" RT

PI STA = 839+96.01
Y = 457336.481
X = 841883.393
DELTA = 13°53'08" RT
D = 1°00'19"
T = 694.10'
L = 1381.39'
R = 5700.00'
PC STA = 833+01.91
PT STA = 846+83.31
DA = N18°26'30"E

ALIGNMENT SUB-CURVE
PC 833+01.91 TO STA. 838+26.43
R=5700.00'
L=524.52'
LCB=N7°11'33"E
LCH=524.34'

ALIGNMENT SUB-CURVE
STA. 838+26.43 TO PT 846+83.31
R=5700.00'
L=856.88'
LCB=N14°08'07"E
LCH=856.07

PI STA = 15+66.40 E
Y = 455942.770
X = 842382.287
DELTA = 64°31'51" LT
D = 13°58'28"
T = 258.84'
L = 461.77'
R = 410.00'
PC STA = 13+07.56 E
PT STA = 17+69.33 E
DA = N32°46'09"E

ALIGNMENT SUB-CURVE
PC 13+07.56 E TO STA. 14+53.77 E
R=410.00'
L=146.21'
LCB=N87°05'01"E
LCH=145.44'

ALIGNMENT SUB-CURVE
STA. 14+53.77 TO PT 17+69.33 E
R=410.00'
L=315.56'
LCB=N54°49'06"E
LCH=307.83'

COURSE TABLE		
COURSE	BEARING	DISTANCE
300 - 301	S82° 35' 19"E	54.90'
301 - 302	S82° 35' 19"E	82.05'
302 - 303	S11° 16' 03"W	223.75'
303 - 304	S04° 40' 42"W	191.50'
304 - 320	S12° 12' 48"E	71.30'
320 - 305	S08° 51' 12"E	127.75'
305 - 306	S55° 56' 17"E	36.71'
306 - 307	S82° 42' 01"E	162.51'
307 - 308	SEE CURVE 1 DATA	
308 - 309	S13° 06' 51"E	29.84'
309 - 310	S13° 06' 51"E	36.17'
310 - 311	S19° 42' 50"W	56.98'
311 - 312	N87° 24' 24"W	315.42'

COURSE TABLE		
COURSE	BEARING	DISTANCE
312 - 313	S32° 32' 41"W	84.51'
313 - 314	S11° 29' 11"E	102.50'
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212 - 211	S89° 29' 19"W	95.84'
211 - 210	S89° 28' 47"W	3.15'
210 - 209	S89° 28' 47"W	95.68'
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315 - 316	N19° 56' 57"W	58.71'
316 - 317	N01° 40' 26"E	335.15'
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302	838+29.94	81.98'
303	836+03.34	72.05'
304	834+09.38	78.51'
305	832+09.79	128.90'
306	11+57.70 E	-33.00'
307	13+21.30 E	-32.79'
308	14+53.78 E	-29.84'

STATION & OFFSET TABLE		
POINT	STATION	OFFSET
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310	14+53.76 E	36.17'
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315	829+70.96	-105.54'
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TLE307	13+67.55 E	-46.73'
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60010	456408.229	841706.161

STRAND ASSOCIATES, INC. ®
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I, HEATHER S. BARTELT 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 HEATHER S. BARTELT S-2797 MADISON WI LAND SURVEYOR

SIGNATURE: Heather Bartelt DATE: 2/5/24
PRINT NAME: HEATHER S. BARTELT
REGISTRATION NUMBER: S-2797

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION

SIGNATURE: Cory Schlagel DATE: 2/9/2024
PRINT NAME: CORY SCHLAGEL

FILE NAME : S:\MAD\1000--1099\1089\981\DRAWING5\CAD\CIVIL 3D\RW\DWG\040101_RP.DWG
APPRAISAL PLAT DATE : 2/5/24
PLOT DATE : 2/5/2024 4:43 PM
PLOT BY : BARTELT, HEATHER
PLOT NAME :
PLOT SCALE :

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	OWNERS	INTERESTS REQUIRED	R/W S.F REQUIRED NEW	EXISTING	TOTAL	TLE S.F.
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6	TODD & TAMMY K DARST REVOCABLE TRUST	TLE	---	---	---	1728
7	TODD DARST	FEE,TLE	6726	---	6726	10569
8	STUART C. HERRO	FEE	1372	---	1372	---

UTILITY INTERESTS REQUIRED

UTILITY NUMBER	UTILITY OWNER(S)	INTERESTS REQUIRED
200	ALLIANT ENERGY - ELECTRIC	RELEASE OF RIGHTS
201	FRONTIER COMMUNICATIONS	RELEASE OF RIGHTS
203	KEGONSA SANITARY DISTRICT	RELEASE OF RIGHTS

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EXISTING ACCESS CONTROL ALONG USH 51 HAS BEEN ESTABLISHED FROM PREVIOUS PROJECT 5381-00-21.

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TRANSPORTATION PROJECT PLAT NO: 5845-16-28-4.03

THAT PART OF NORTHEAST 1/4 OF THE NORTHEAST 1/4 IN SECTION 9, AND PART OF LOT 4 OF CSM 1497 BEING LOCATED IN AND INCLUDING THE NORTHWEST 1/4 OF THE NORTHEAST 1/4 IN SECTION 10 ALL LOCATED IN TOWNSHIP 6 NORTH, RANGE 10 EAST, TOWN OF DUNN, DANE COUNTY, WISCONSIN

RELOCATION ORDER USH 51 STOUGHTON - MADISON (EXCHANGE STREET INTERSECTION) DANE 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.

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KRISTI CHLEBOWSKI
DANE COUNTY
REGISTER OF DEEDS

DOCUMENT #
5930195
10/20/2023 12:45 PM
Trans Fee:
Exempt #:
Rec. Fee: 25.00
Pages:
The above recording information verifies that this document has been electronically recorded and returned to the submitter.

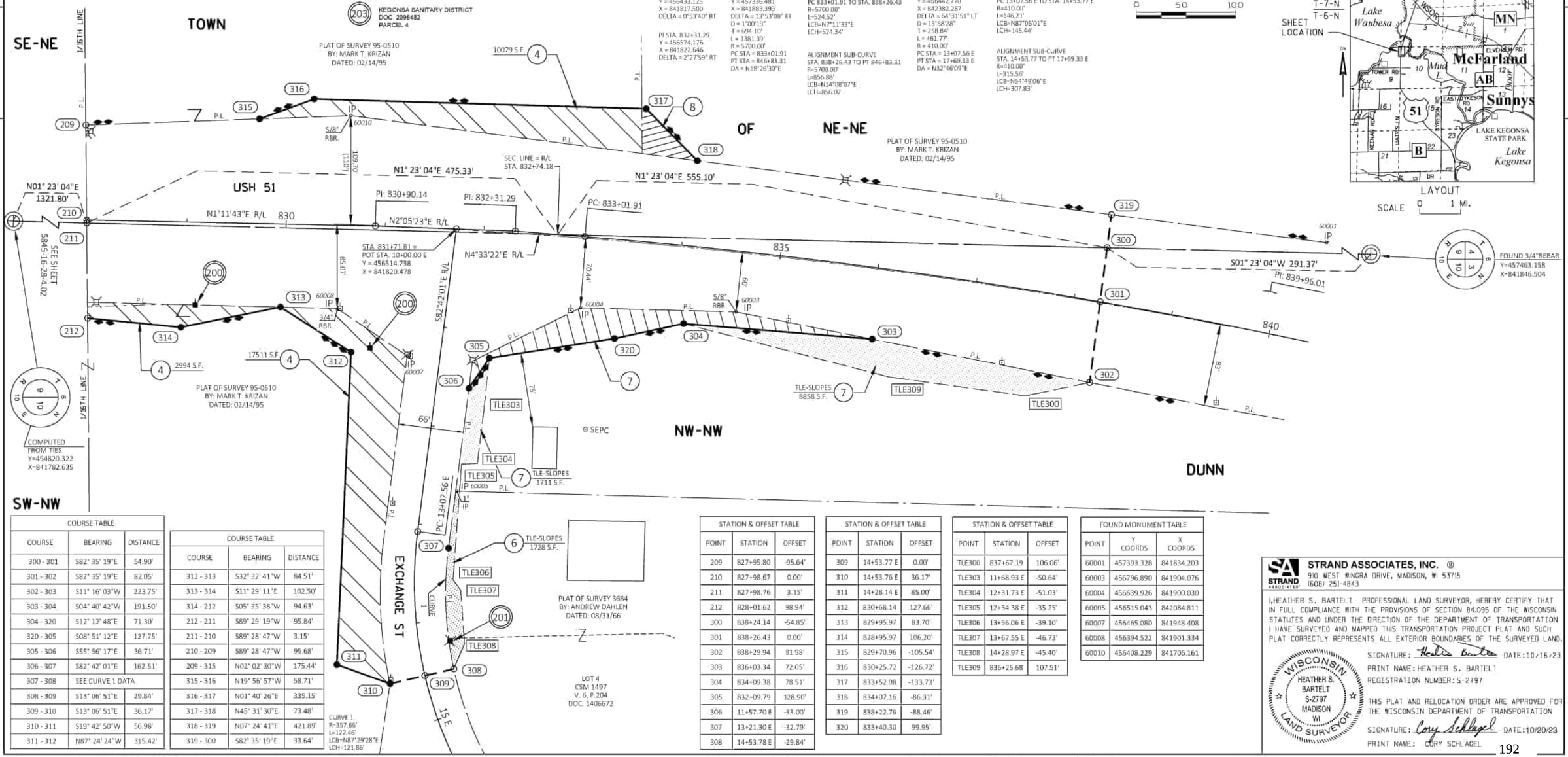
RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 5845-16-28-4.03

200 ALLIANT ENERGY - ELECTRIC
NO RECORDED EASEMENT
PARCEL 4

201 FRONTIER COMMUNICATIONS
NO RECORDED EASEMENT
PARCEL 6

203 KEGONSA SANITARY DISTRICT
DOC. 2068329
PARCEL 7

203 KEGONSA SANITARY DISTRICT
DOC. 2095482
PARCEL 4



COURSE TABLE		
COURSE	BEARING	DISTANCE
300 - 301	S82° 35' 19"E	54.90'
301 - 302	S82° 35' 19"E	82.05'
302 - 303	S11° 16' 03"W	223.75'
303 - 304	S04° 40' 42"W	191.50'
304 - 320	S12° 12' 48"E	71.30'
320 - 305	S08° 51' 12"E	127.75'
305 - 306	S55° 56' 17"E	36.71'
306 - 307	S82° 42' 01"E	162.51'
307 - 308	SEE CURVE 1 DATA	
308 - 309	S13° 06' 51"E	29.84'
309 - 310	S13° 06' 51"E	36.17'
310 - 311	S19° 42' 50"W	56.98'
311 - 312	N87° 24' 24"W	315.42'

COURSE TABLE		
COURSE	BEARING	DISTANCE
312 - 313	S32° 32' 41"W	84.51'
313 - 314	S11° 29' 11"E	102.50'
314 - 212	S05° 35' 38"W	94.63'
212 - 211	S89° 29' 19"W	95.84'
211 - 210	S89° 28' 47"W	3.15'
210 - 209	S89° 28' 47"W	95.68'
209 - 315	N02° 02' 30"W	175.44'
315 - 316	N19° 56' 57"W	58.71'
316 - 317	N01° 40' 26"E	335.15'
317 - 318	N45° 31' 30"E	73.48'
318 - 319	N07° 24' 41"E	421.89'
319 - 300	S82° 35' 19"E	33.64'

STATION & OFFSET TABLE		
POINT	STATION	OFFSET
209	827+95.80	-95.64'
210	827+98.67	0.00'
211	827+98.76	3.15'
212	828+01.62	98.94'
300	838+24.14	-54.85'
301	838+26.43	0.00'
302	838+29.94	81.98'
303	836+03.34	72.05'
304	834+09.38	78.51'
305	832+09.79	128.90'
306	11+57.70 E	-33.00'
307	13+21.30 E	-32.79'
308	14+53.78 E	-29.84'

STATION & OFFSET TABLE		
POINT	STATION	OFFSET
309	14+53.77 E	0.00'
310	14+53.76 E	36.17'
311	14+28.14 E	85.00'
312	830+68.14	127.66'
313	829+95.97	83.70'
314	828+95.97	106.20'
315	829+70.96	-105.54'
316	830+25.72	-126.72'
317	833+52.08	-133.73'
318	834+07.16	-86.31'
319	838+22.76	-88.46'
320	833+40.30	99.95'

STATION & OFFSET TABLE		
POINT	STATION	OFFSET
TLE300	837+67.19	106.06'
TLE303	11+68.93 E	-50.64'
TLE304	12+31.73 E	-51.03'
TLE305	12+34.38 E	-35.25'
TLE306	13+56.06 E	-39.10'
TLE307	13+67.55 E	-46.73'
TLE308	14+28.97 E	-45.40'
TLE309	836+25.68	107.51'

FOUND MONUMENT TABLE		
POINT	Y COORDS	X COORDS
60001	457393.328	841834.203
60003	456796.890	841904.076
60004	456639.926	841900.030
60005	456515.043	842084.811
60007	456465.080	841948.408
60008	456394.522	841901.334
60010	456408.229	841706.161

STRAND ASSOCIATES, INC. ®
910 WEST WINGRA DRIVE, MADISON, WI 53715
(608) 251-4843

I, HEATHER S. BARTELT 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.

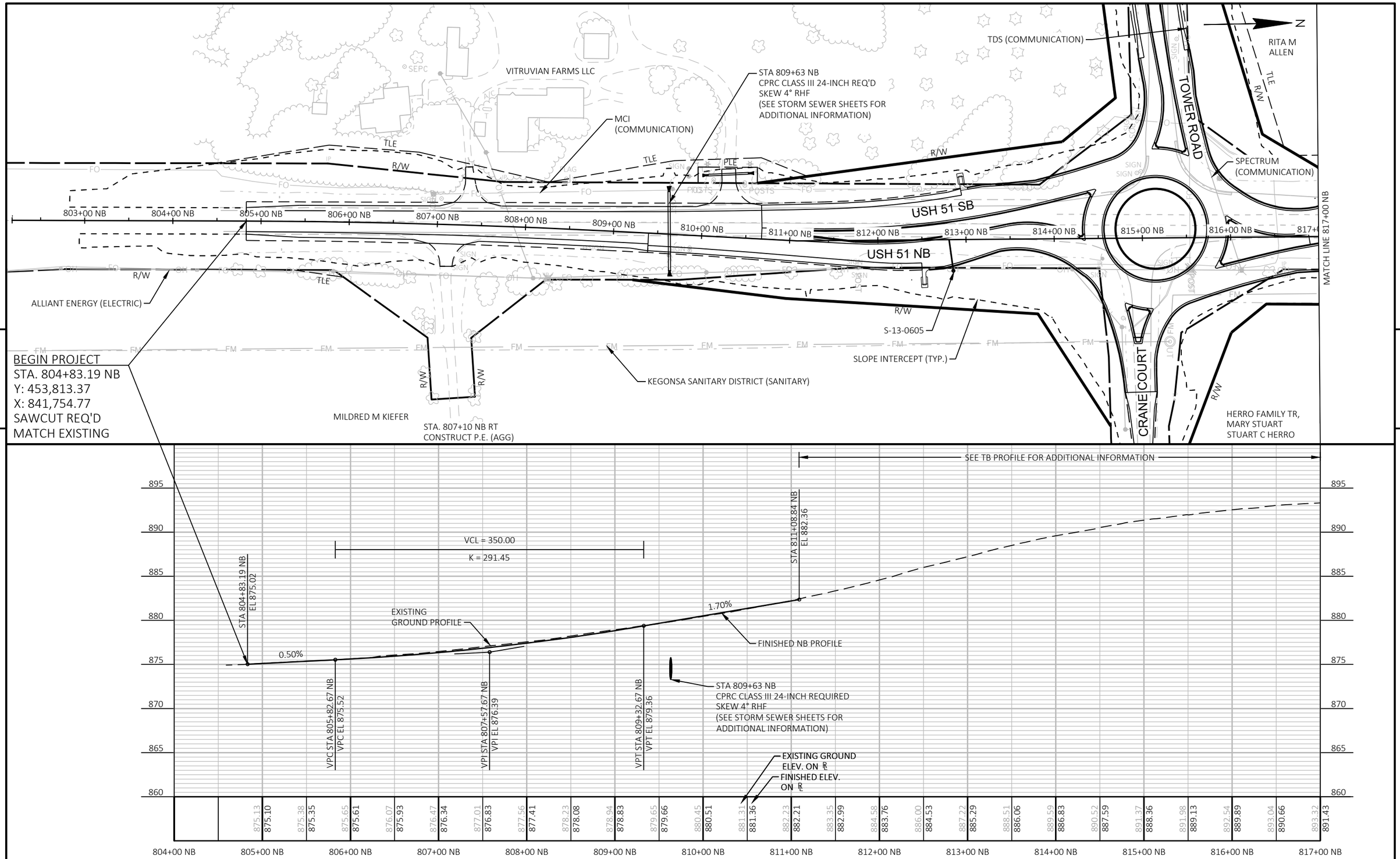
SIGNATURE: Heather Bartelt DATE: 10/16/23
PRINT NAME: HEATHER S. BARTELT
REGISTRATION NUMBER: S-2797

WISCONSIN HEATHER S. BARTELT S-2797 MADISON WI LAND SURVEYOR

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION

SIGNATURE: Cory Schlagel DATE: 10/20/23
PRINT NAME: CORY SCHLAGEL

FILE NAME : S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\CIVIL 3D\RW\DWG\040101_RP.DWG
APPRAISAL PLAT DATE : 10/16/23
PLOT DATE : 10/16/2023 1:26 PM
PLOT BY : BARTELT, HEATHER
PLOT NAME :
PLOT SCALE :



PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	PLAN AND PROFILE: USH 51 NB	SHEET 193	E

FILE NAME : S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\050101-PP-NB.DWG
LAYOUT NAME - 050101-pp-nb

PLOT DATE : 7/30/2025 4:25 PM PLOT BY : KOWALSKI, NICK PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

RITA M ALLEN

SCHOEPP REV TR, JOAN N & FRED J JR

SCHOEPP REV TR, JOAN N & FRED J JR

HERRO FAMILY TR, MARY STUART STUART C HERRO

N

SLOPE INTERCEPT (TYP.)

S-13-0606

TLE

R/W

FRONTIER (COMMUNICATION)

MATCH LINE 817+00 NB

MATCH LINE 829+50 NB

USH 51 SB

USH 51 NB

818+00 NB | 819+00 NB | 820+00 NB | 821+00 NB | 822+00 NB | 823+00 NB | 824+00 NB | 825+00 NB | 826+00 NB | 827+00 NB | 828+00 NB | 829+00 NB

TDS (COMMUNICATION)

SPECTRUM (COMMUNICATION)

KEGONSA SANITARY DISTRICT (SANITARY)

ALLIANT ENERGY (ELECTRIC)

FRONTIER (COMMUNICATION)

S-13-0607

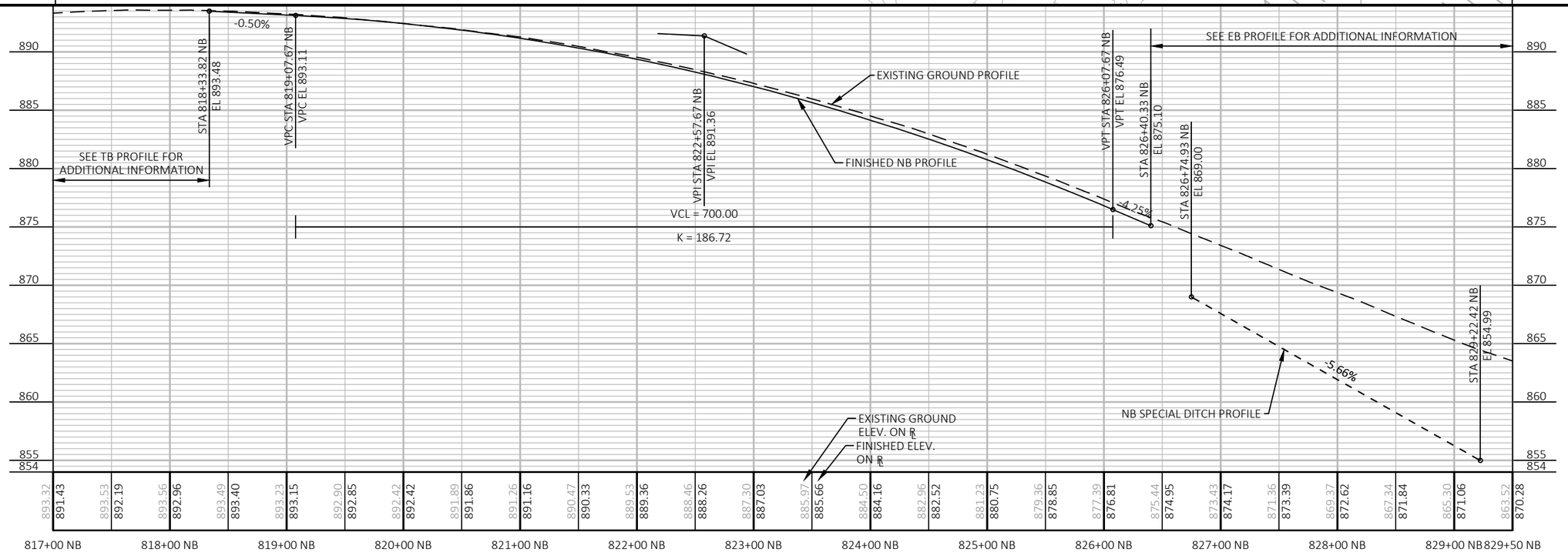
STA. 824+60 NB RT
CONSTRUCT F.E. (AGG)
(SEE STORM SEWER SHEETS
FOR CULVERT INFORMATION)

ENVIRONMENTALLY SENSITIVE AREA

HERRO FAMILY TR, MARY STUART
STUART C HERRO

5

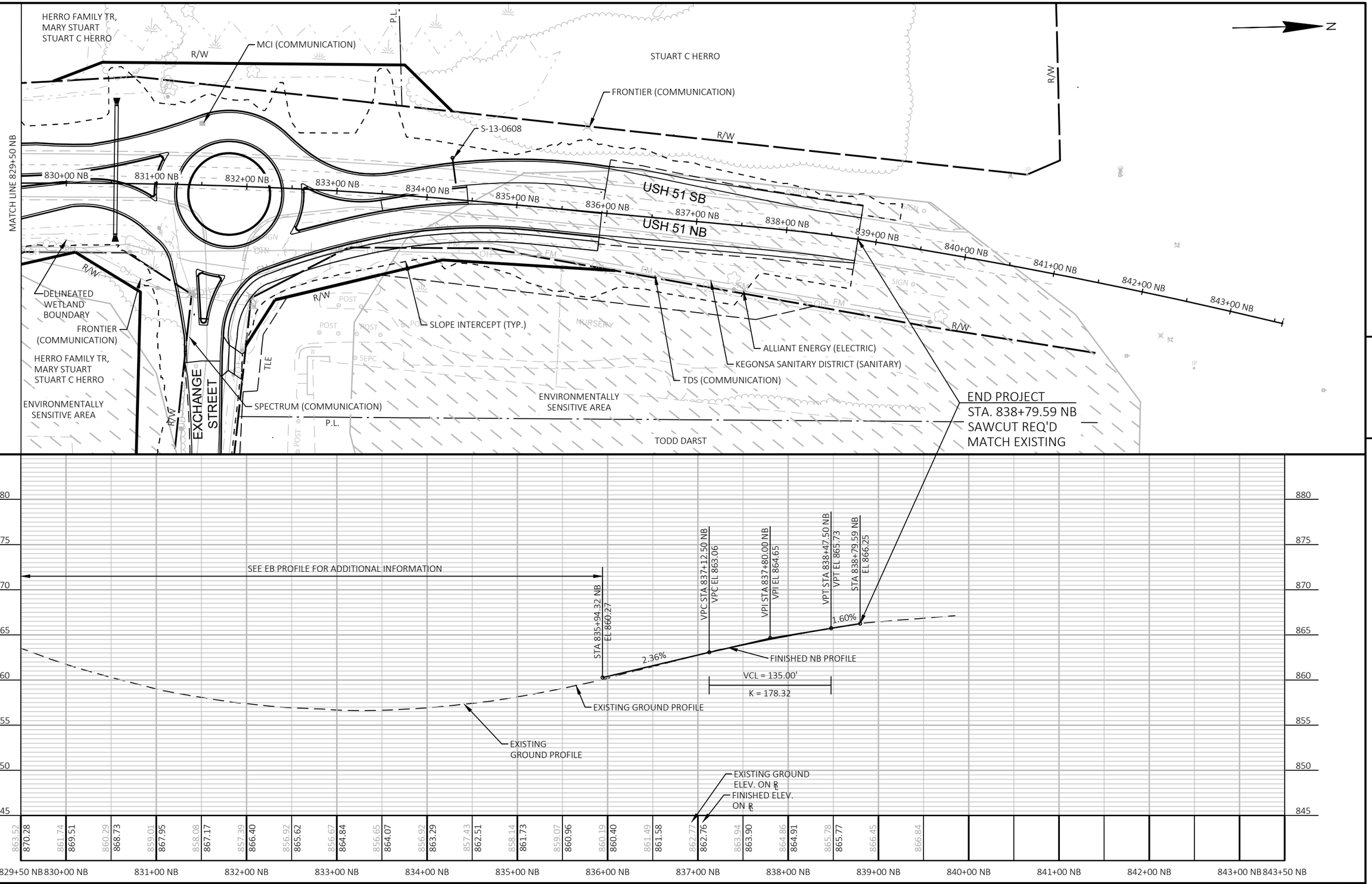
5



PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	PLAN AND PROFILE: USH 51 NB	SHEET 194	E

FILE NAME : S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\050101-PP-NB.DWG
LAYOUT NAME - 050102-pp-nb

PLOT DATE : 7/31/2025 8:55 AM PLOT BY : KOWALSKI, NICK PLOT NAME : PLOT SCALE : 1 IN:100 FT



PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	PLAN AND PROFILE: USH 51 NB	SHEET 195	E

FILE NAME : S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\050101-PP-NB.DWG
LAYOUT NAME - 050103-pp-nb
PLOT DATE : 7/30/2025 4:26 PM
PLOT BY : KOWALSKI, NICK
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44

STA. 11+48 SB LT
CONSTRUCT P.E. (AGG)

STA. 14+35 SB LT
CONSTRUCT C.E. (AGG)
(SEE STORM SEWER SHEETS
FOR CULVERT INFORMATION)

VITRUVIAN FARMS LLC

TDS (COMMUNICATION)

STA 13+74 SB
CPRC CLASS III 24-INCH REQ'D
SKEW 2° RHF
(SEE STORM SEWER SHEETS FOR
ADDITIONAL INFORMATION)

ALLIANT ENERGY (ELECTRIC)

FRONTIER (COMMUNICATION)

TOWER ROAD

RITA M
ALLEN

SPECTRUM
(COMMUNICATION)

MATCH LINE 21+50 SB

USH 51 SB

USH 51 NB

11+00 SB | 12+00 SB | 13+00 SB | 14+00 SB | 15+00 SB | 16+00 SB | 17+00 SB | 18+00 SB | 19+00 SB | 20+00 SB | 21+00 SB

FRONTIER (COMMUNICATION)

S-13-0605

SLOPE INTERCEPT (TYP.)

KEGONSA SANITARY DISTRICT (SANITARY)

CRANE COURT

MILDRED M KIEFER

HERRO FAMILY TR,
MARY STUART
STUART C HERRO

BEGIN USH 51 SB PROFILE
STA. 10+00.00 SB

5

5

VCL = 300.00'
K = 249.32

VCL = 120.00'
K = 95.67

VCL = 75.00'
K = 62.52

VCL = 120.00'
K = 70.19

STA 10+00.00 SB
EL 875.56

VPC STA 10+20.00 SB
VPC EL 875.66

VPI STA 11+70.00 SB
VPI EL 876.41

VPT STA 13+20.00 SB
VPT EL 878.96

VPC STA 15+40.00 SB
VPC EL 882.71

VPI STA 16+00.00 SB
VPI EL 883.73

VPT STA 16+60.00 SB
VPT EL 885.51

VPC STA 17+37.50 SB
VPC EL 887.80

VPI STA 17+75.00 SB
VPI EL 888.91

VPT STA 18+12.50 SB
VPT EL 889.57

STA 18+62.60 SB
EL 890.45

STA 20+10.62 SB
EL 891.63

VPC STA 21+30.00 SB
VPC EL 893.07

0.50%
1.70%
2.96%
1.76%
1.21%

EXISTING
GROUND PROFILE

FINISHED SB PROFILE

EXCEPTION TO VERTICAL PROFILE
SEE ALIGNMENT TA PROFILE

STA 13+74 SB
CPRC CLASS III 24-INCH REQ'D
SKEW 2° RHF
(SEE STORM SEWER SHEETS FOR
ADDITIONAL INFORMATION)

EXISTING GROUND
ELEV. ON ℞

FINISHED ELEV.
ON ℞

900 | 895 | 890 | 885 | 880 | 875 | 870 | 865

| | | |

RITA M ALLEN

SCHOEPP REV TR, JOAN N & FRED J JR

STA. 28+89 SB LT
CONSTRUCT P.E. (ASPH)
(SEE STORM SEWER SHEETS FOR CULVERT INFORMATION)

SCHOEPP REV TR, JOAN N & FRED J JR

STA. 32+99 SB LT
CONSTRUCT F.E.
(SEE STORM SEWER SHEETS FOR CULVERT INFORMATION)

N

HERRO FAMILY TR, MARY STUART STUART C HERRO

P.L.

S-13-0606

FRONTIER (COMMUNICATION)

TLE

R/W

MATCH LINE 21+50 SB

22+00 SB | 23+00 SB | 24+00 SB | 25+00 SB | 26+00 SB | 27+00 SB | 28+00 SB | 29+00 SB | 30+00 SB | 31+00 SB | 32+00 SB | 33+00 SB | 34+00 SB

USH 51 SB

USH 51 NB

MATCH LINE 34+00 SB

TDS (COMMUNICATION)

SPECTRUM (COMMUNICATION)

SLOPE INTERCEPT (TYP.)

KEGONSA SANITARY DISTRICT (SANITARY)

ALLIANT ENERGY (ELECTRIC)

FRONTIER (COMMUNICATION)

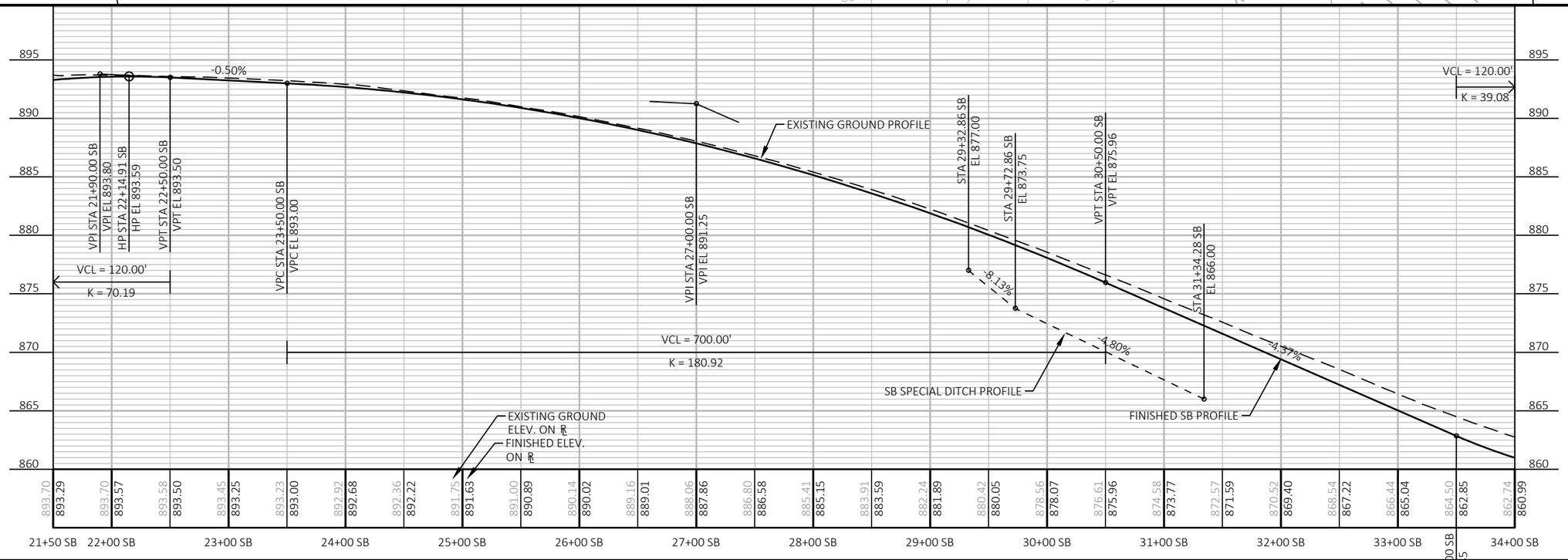
S-13-0607

ENVIRONMENTALLY SENSITIVE AREA

HERRO FAMILY TR, MARY STUART STUART C HERRO

5

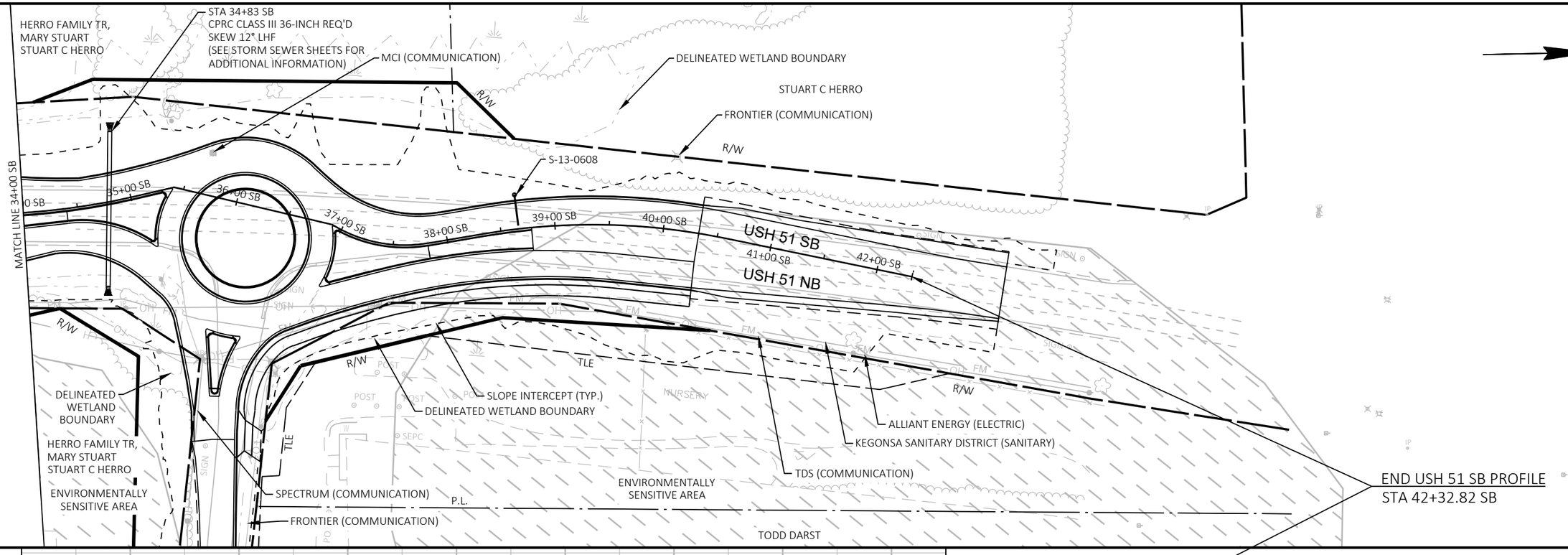
5



PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	PLAN AND PROFILE: USH 51 SB	SHEET 197	E

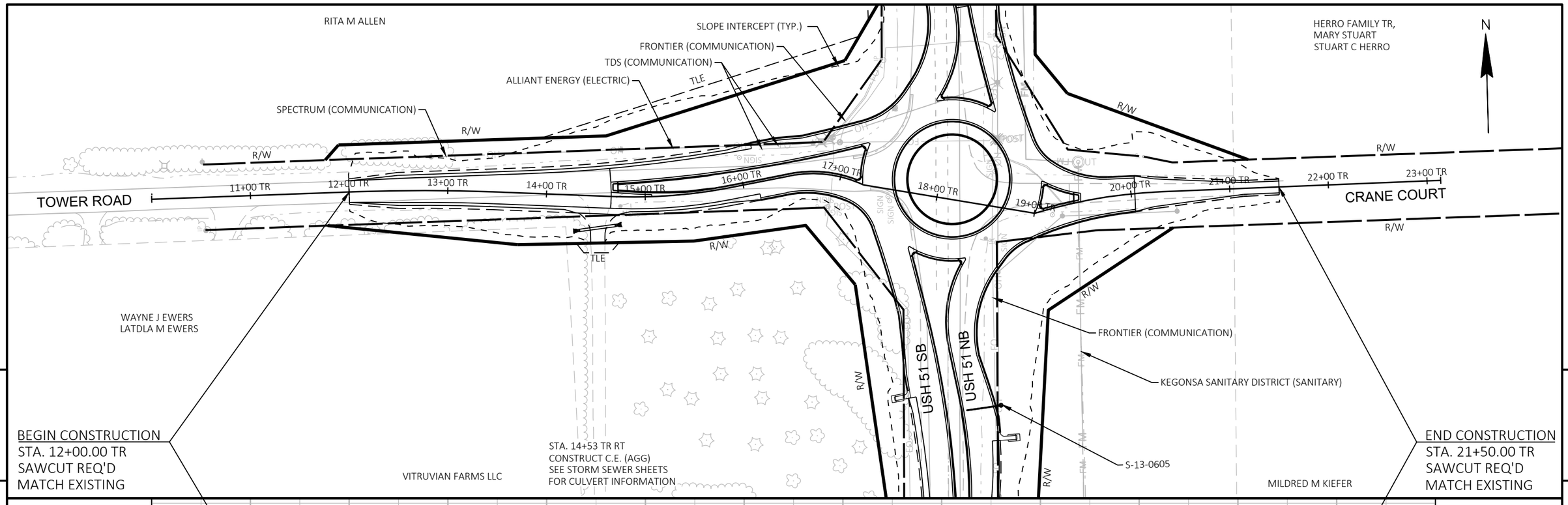
FILE NAME : S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\050101-PP-SB.DWG
LAYOUT NAME - 050102-pp-sb

PLOT DATE : 7/30/2025 4:26 PM PLOT BY : KOWALSKI, NICK PLOT NAME : PLOT SCALE : 1 IN:100 FT



PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	PLAN AND PROFILE: USH 51 SB	SHEET 198	E

FILE NAME : S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\050101-PP-SB.DWG
LAYOUT NAME - 050103-pp-sb
PLOT DATE : 7/30/2025 4:26 PM
PLOT BY : KOWALSKI, NICK
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44

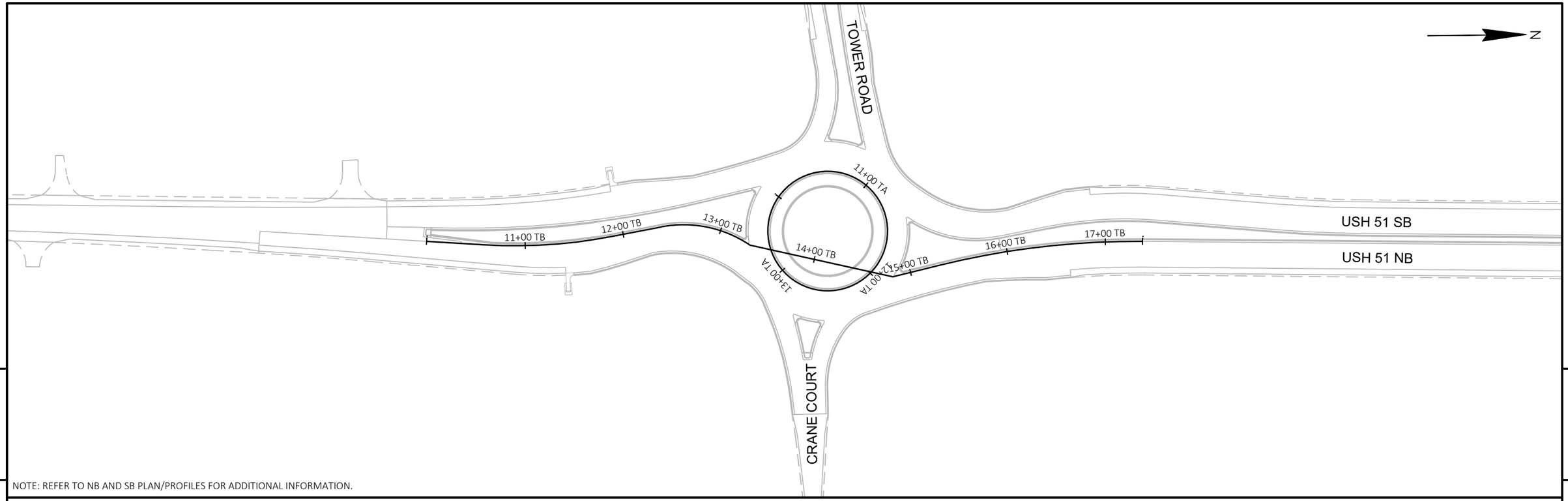


PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	PLAN AND PROFILE: TOWER ROAD ROUNDABOUT PROFILES	SHEET 199	E

FILE NAME : S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\050101-PP-TR.DWG
LAYOUT NAME - 050101-pp-TR

PLOT DATE : 7/30/2025 4:27 PM PLOT BY : KOWALSKI, NICK PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44



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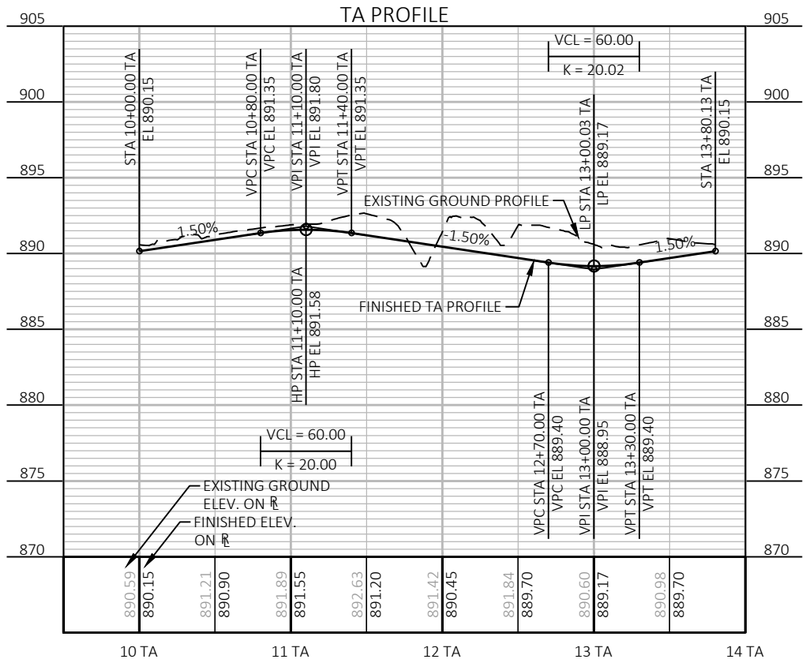
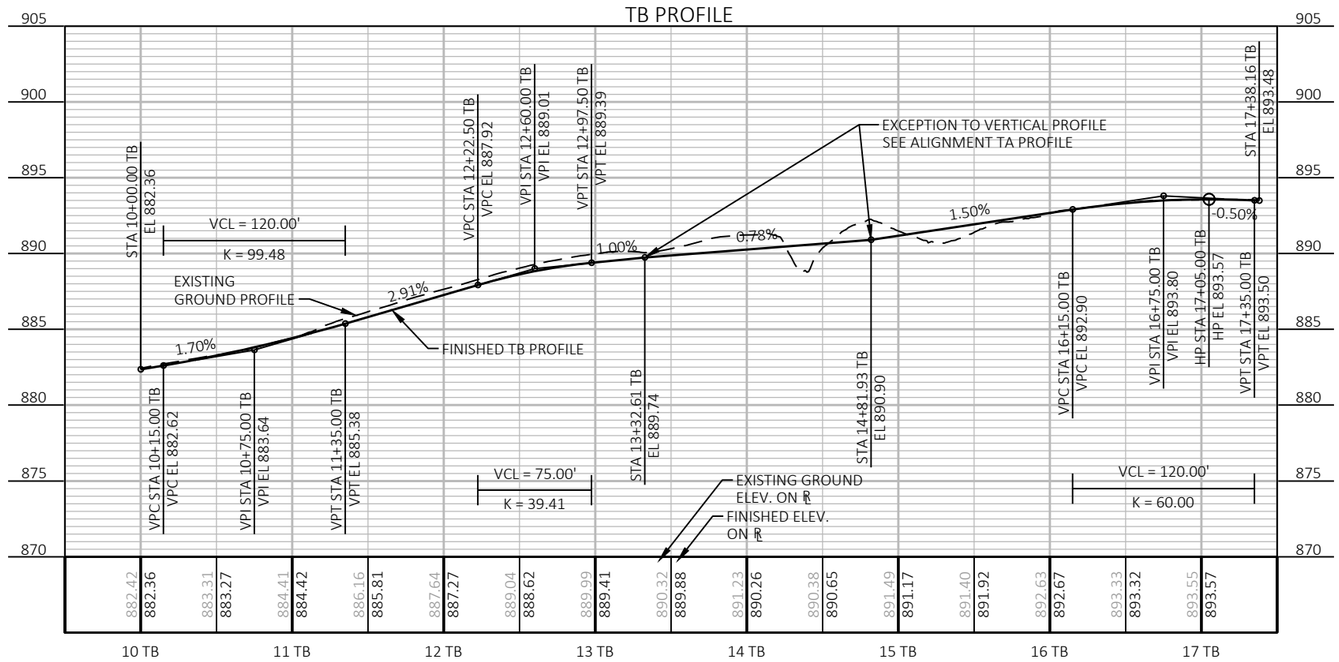
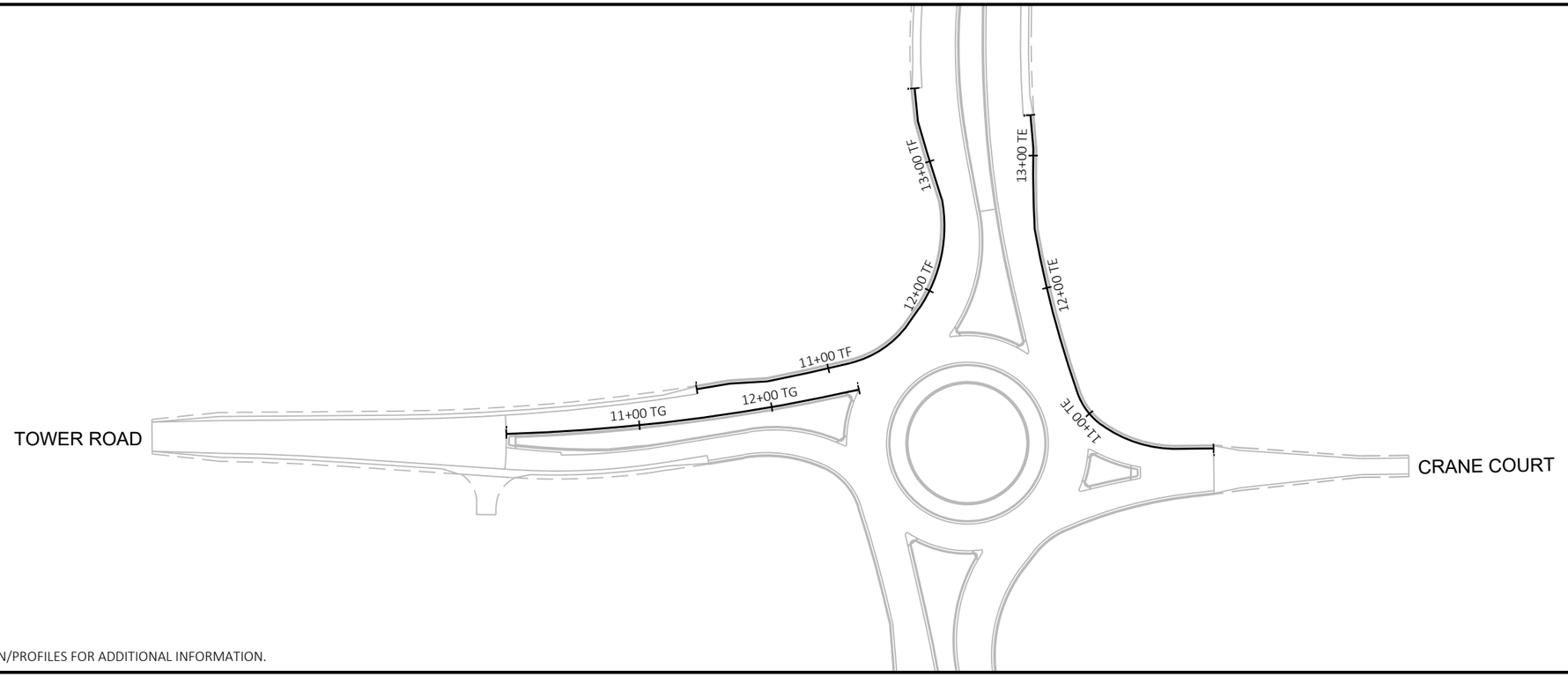
NOTE: REFER TO NB AND SB PLAN/PROFILES FOR ADDITIONAL INFORMATION.





PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	PLAN AND PROFILE: TOWER ROAD ROUNDABOUT PROFILES	SHEET 200	E

FILE NAME : S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\050101-PP-TA-TB.DWG
LAYOUT NAME - 050101-pp-TA-TB
PLOT DATE : 7/30/2025 4:27 PM
PLOT BY : KOWALSKI, NICK
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44



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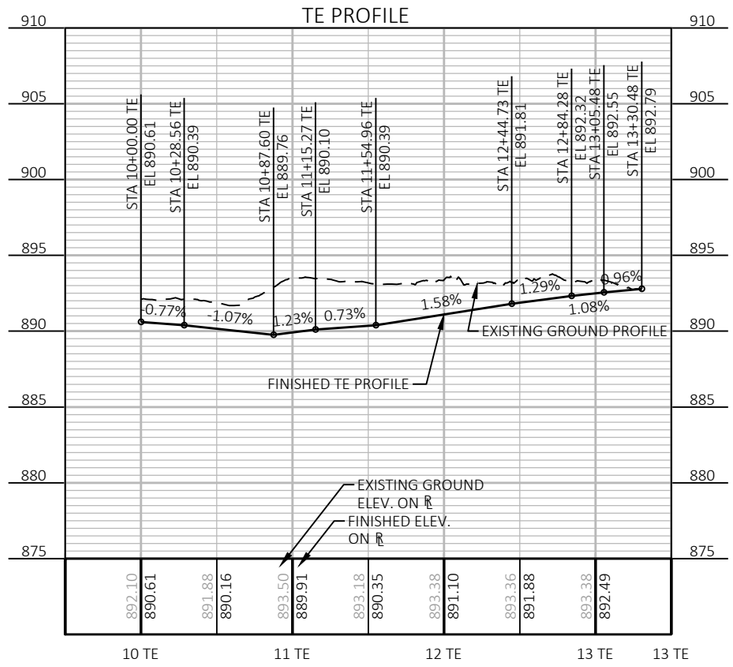
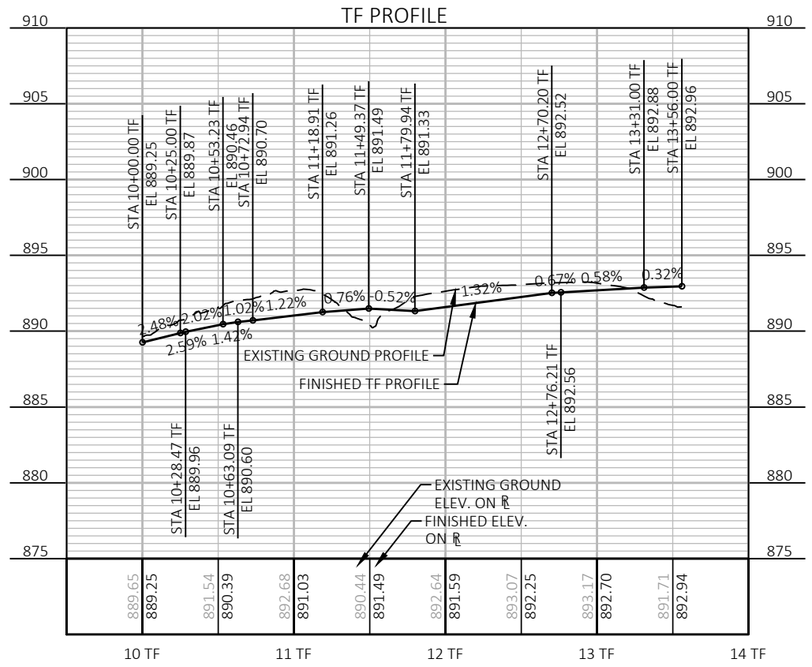
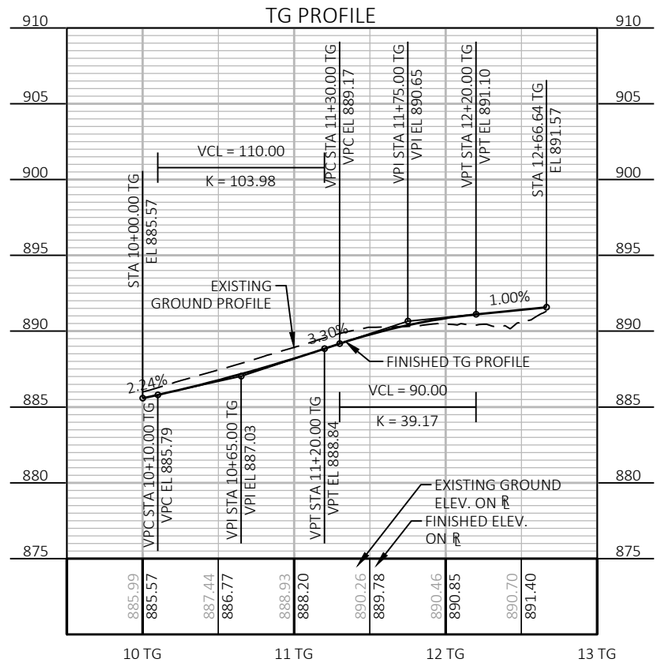
NOTE: REFER TO NB AND SB PLAN/PROFILES FOR ADDITIONAL INFORMATION.

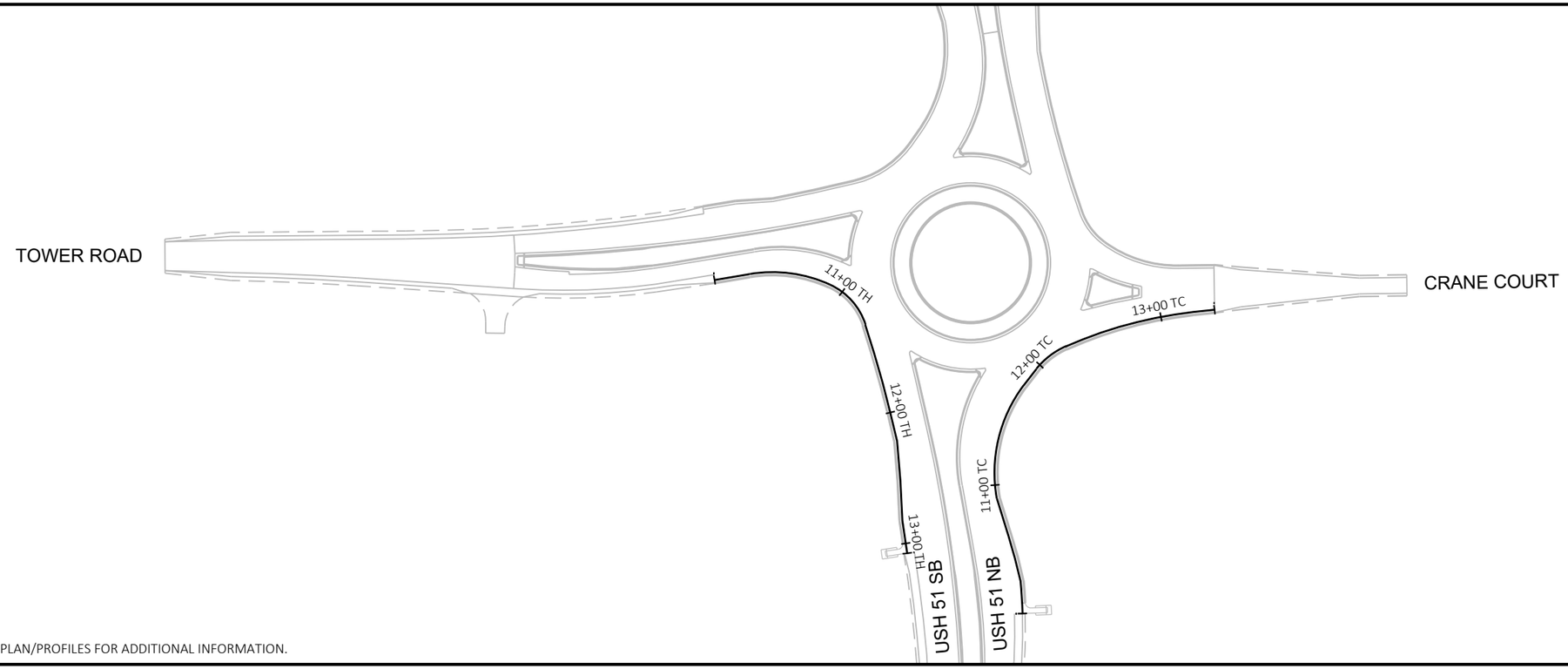






PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	PLAN AND PROFILE: TOWER ROAD ROUNDABOUT PROFILES	SHEET 201	E

FILE NAME : S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\050101-PP-TE-TF-TG.DWG
LAYOUT NAME - 050101-pp-TE-TF-TG
PLOT DATE : 7/30/2025 4:27 PM
PLOT BY : KOWALSKI, NICK
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44



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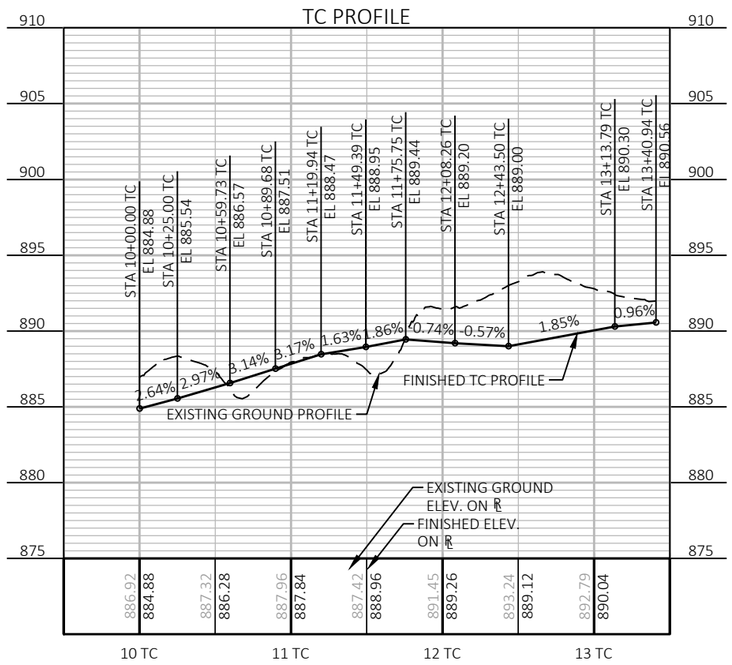
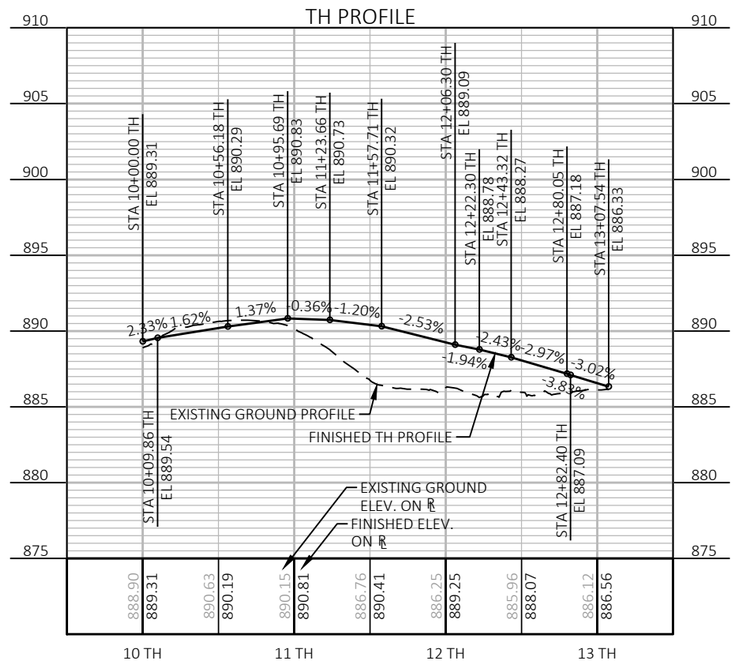
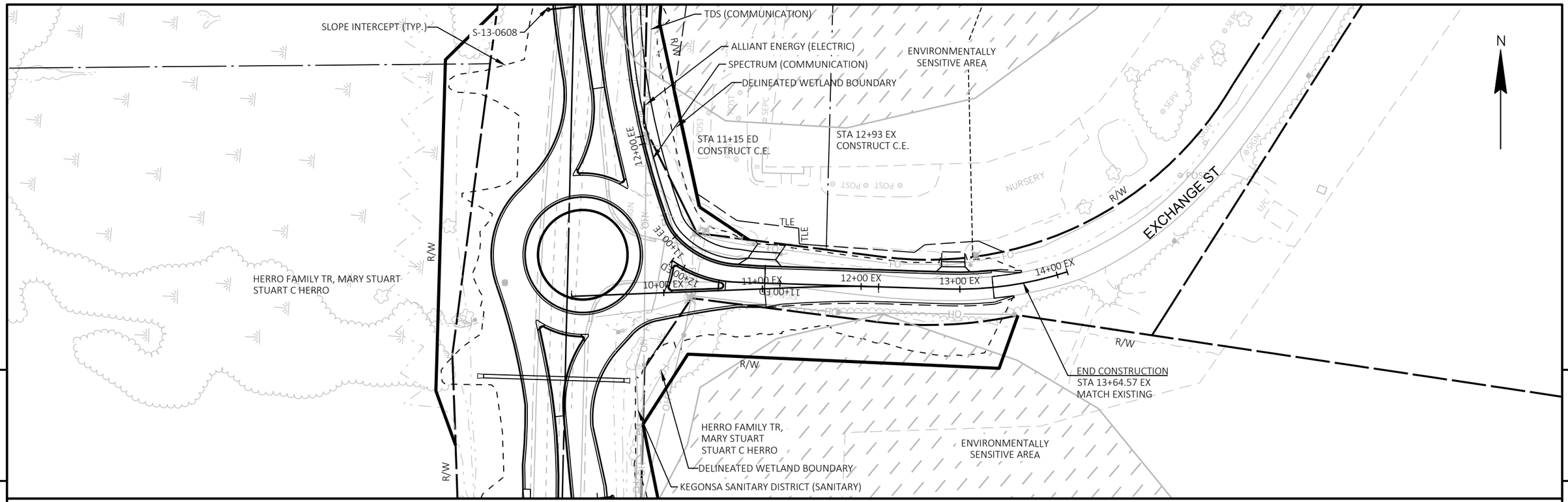
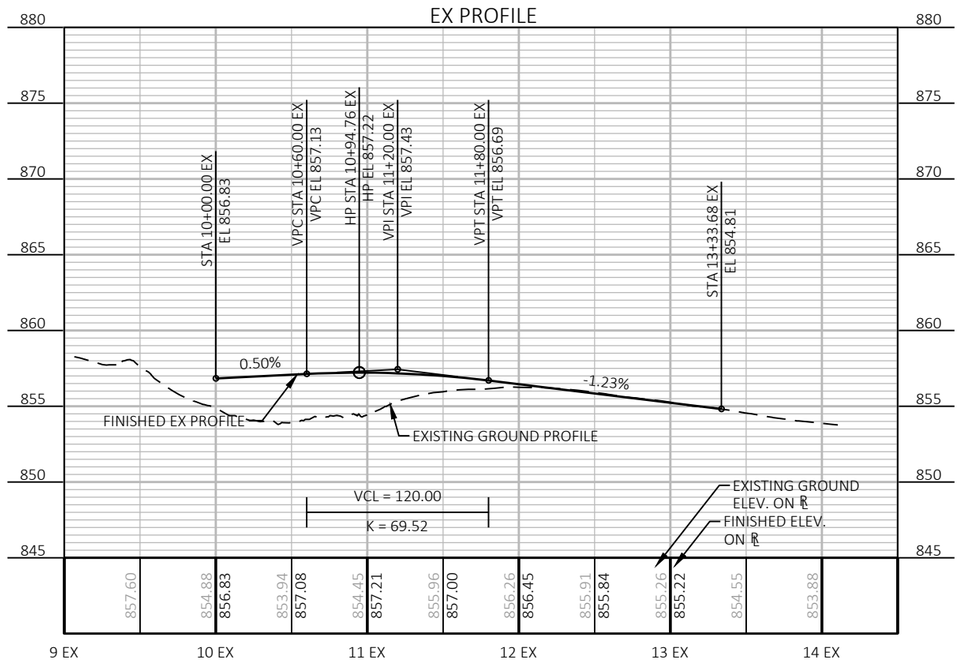
NOTE: REFER TO NB AND SB PLAN/PROFILES FOR ADDITIONAL INFORMATION.

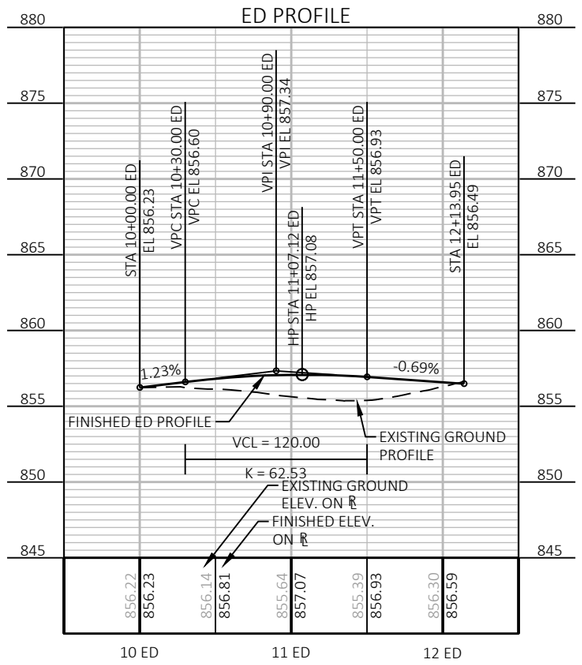


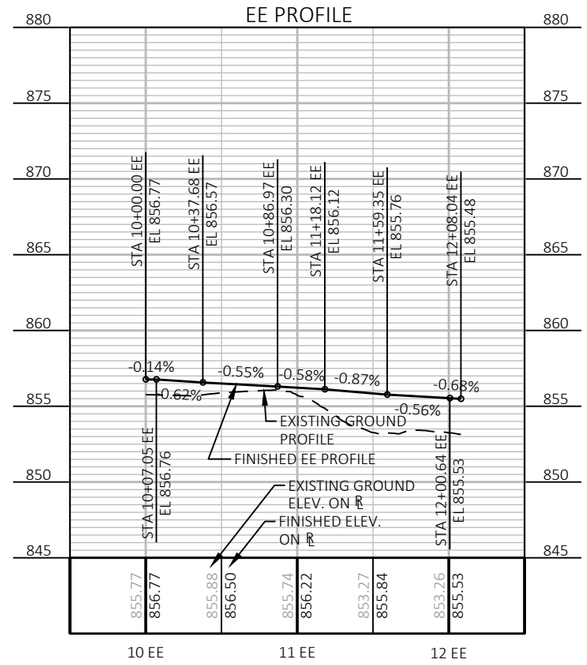


PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	PLAN AND PROFILE: TOWER ROAD ROUNDABOUT PROFILES	SHEET 202	E



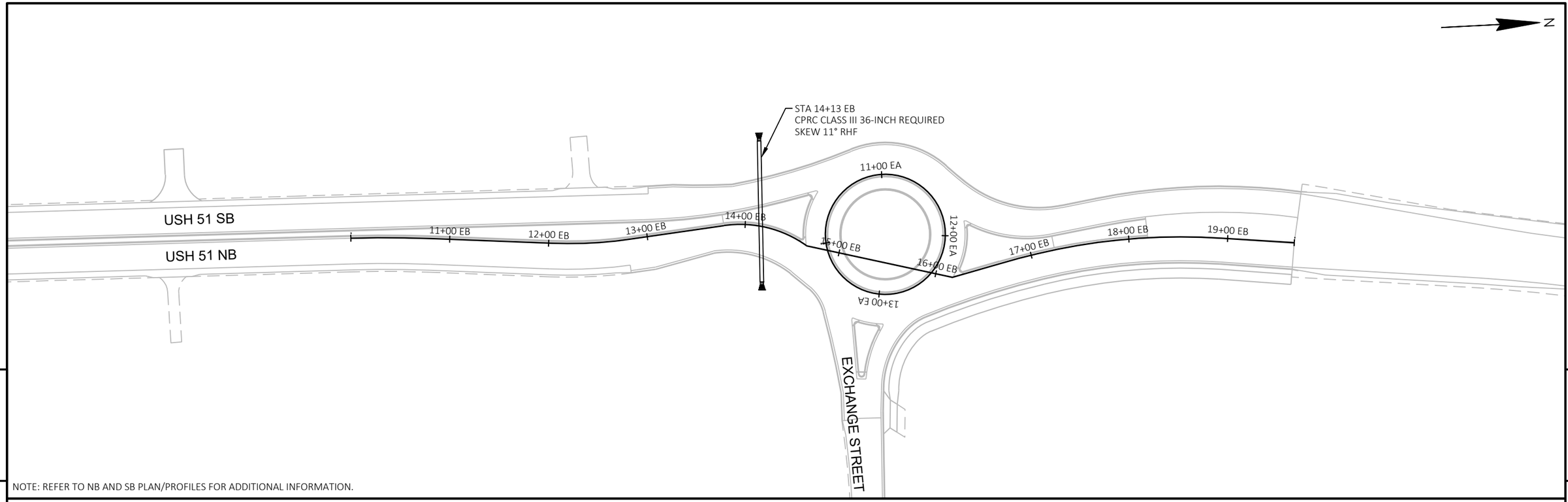




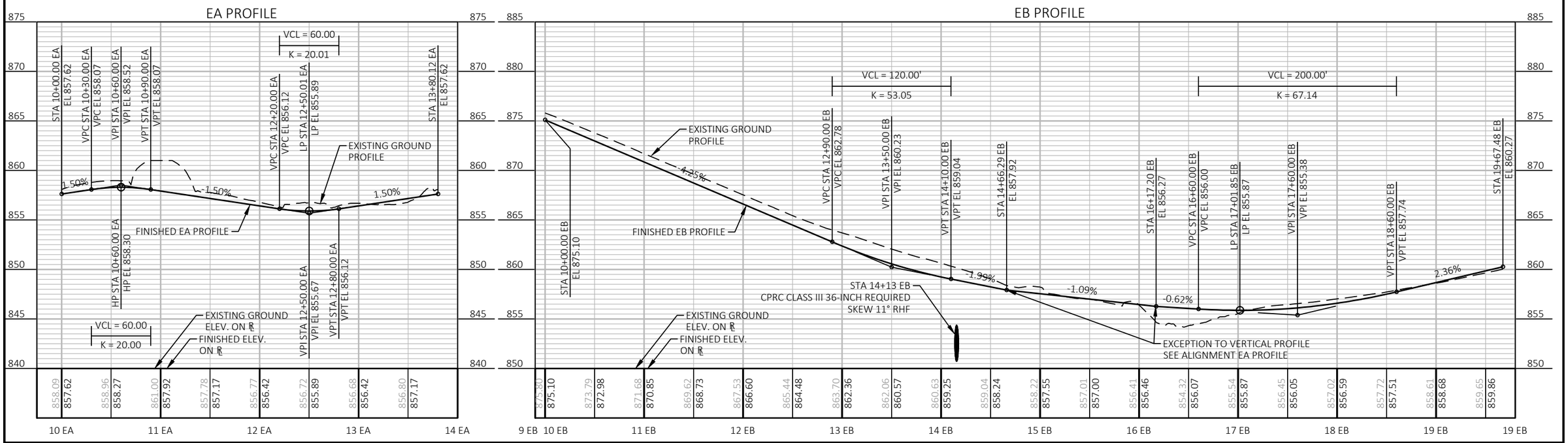


PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	PLAN AND PROFILE: EXCHANGE STREET ROUNDABOUT PROFILES	SHEET 203	E

FILE NAME : S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\050101-PP-EX-ED-EE.DWG
LAYOUT NAME - 050101-pp-EX-ED-EE
PLOT DATE : 7/30/2025 4:28 PM PLOT BY : KOWALSKI, NICK PLOT NAME : PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44



NOTE: REFER TO NB AND SB PLAN/PROFILES FOR ADDITIONAL INFORMATION.

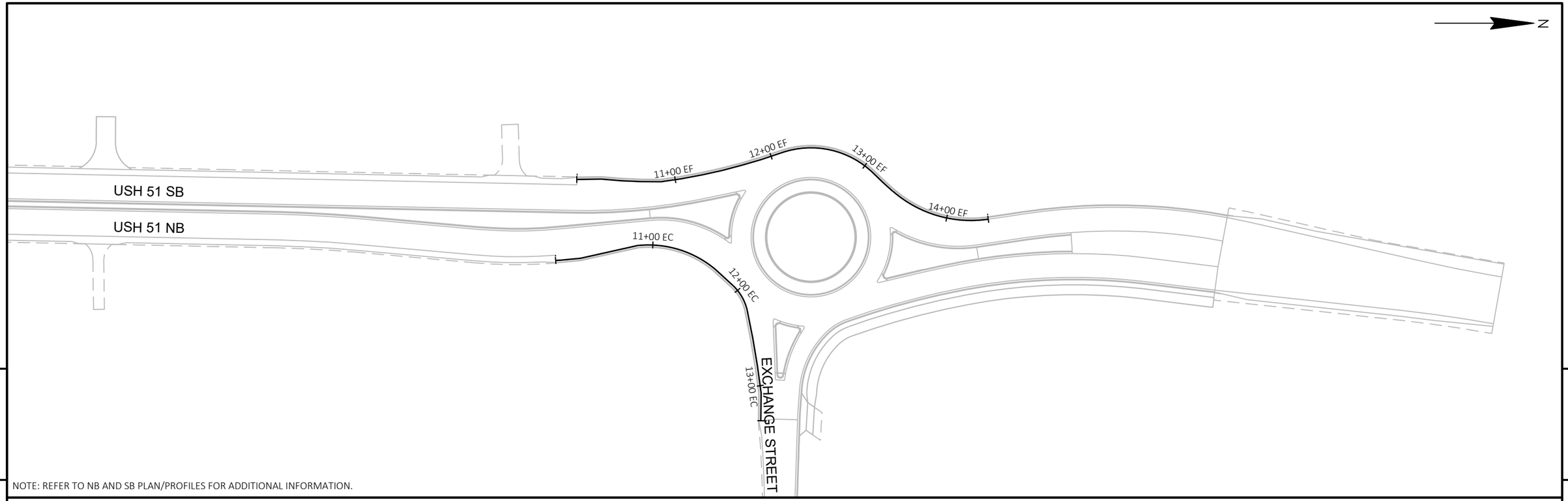


PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	PLAN AND PROFILE: EXCHANGE STREET ROUNDABOUT PROFILES	SHEET 204 E

FILE NAME : S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\050101-PP-EA-EB.DWG
LAYOUT NAME - 050101-pp-EA-EB

PLOT DATE : 7/30/2025 4:28 PM PLOT BY : KOWALSKI, NICK PLOT NAME : PLOT SCALE : 1 IN:100 FT

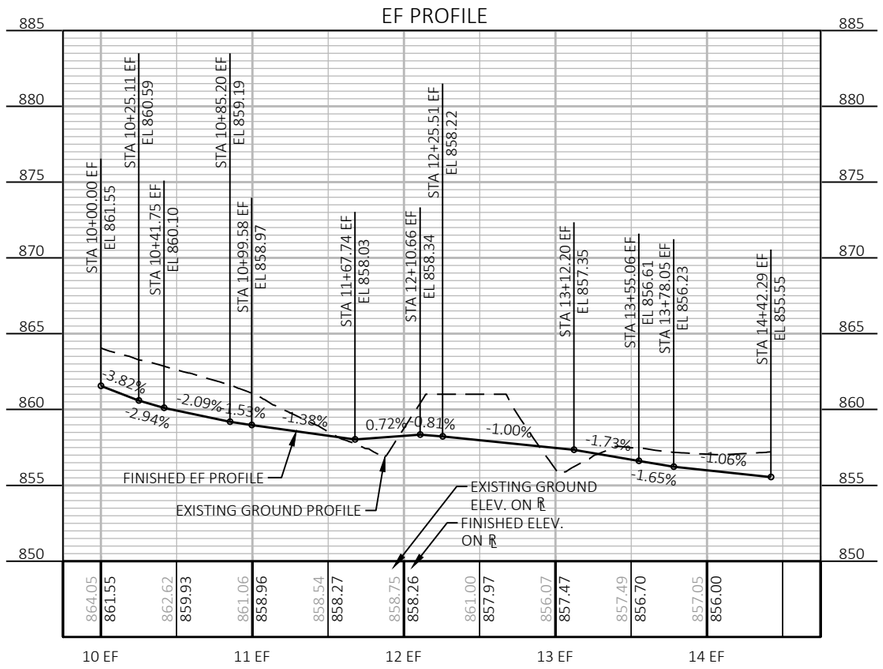
WISDOT/CADDS SHEET 44

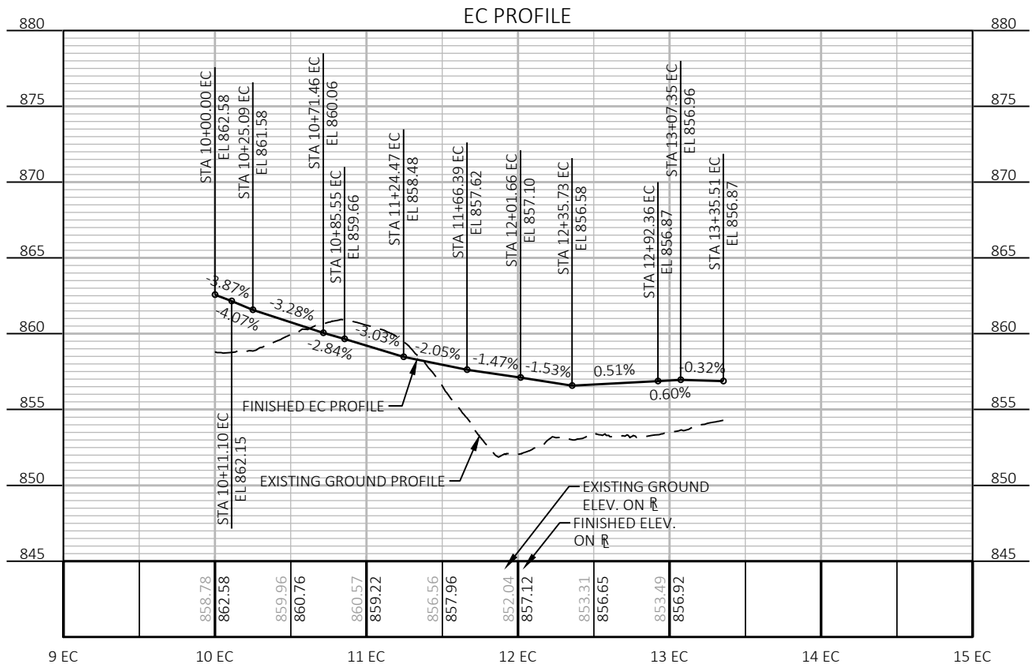


5

5

NOTE: REFER TO NB AND SB PLAN/PROFILES FOR ADDITIONAL INFORMATION.





PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	PLAN AND PLOT: EXCHANGE STREET ROUNDABOUT PROFILES	SHEET 205	E

FILE NAME : S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\050101-PP-EF-EG.DWG
LAYOUT NAME - 050101-pp-EF-EG
PLOT DATE : 7/30/2025 4:29 PM
PLOT BY : KOWALSKI, NICK
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44

Standard Detail Drawing List

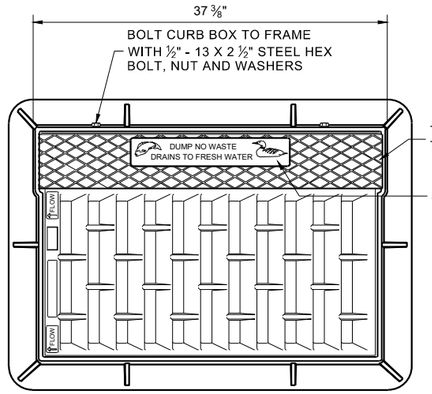
08A05-22A	INLET COVERS TYPE A, H, A-S, H-S & Z
08A05-22B	INLET COVERS TYPE B, B-A, C, MS, MS-A, DW & WM
08A05-22C	INLET COVERS TYPE F, HM, HM-S, S, T, HM-GJ & HM-GJ-S
08C06-03	INLETS 3-FT AND 4-FT DIAMETER
08C07-03	INLETS 2X2-FT, 2X2.5-FT, 2X3-FT, 2.5X3-FT & 2X3.5-FT
08C08-03	INLETS MEDIAN 1 AND 2 GRATE
08D01-24A	CONCRETE CURB & GUTTER
08D01-24B	CONCRETE CURB, TIES AND CURB AND GUTTER APPLICATIONS
08D04-07	CONCRETE SURFACE DRAINS & ASPHALTIC FLUMES
08D18-05	DRIVEWAY AND SIDEWALK RAMPS TYPES X & Y
08D19-05	DRIVEWAY AND SIDEWALK RAMPS TYPE Z
08D21-01	DRIVEWAYS WITHOUT CURB & GUTTER
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
08F01-11	APRON ENDWALLS FOR CULVERT PIPE
08F04-08	JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL
09B02-10	CONDUIT
09B16-03	PULL BOX NON-CONDUCTIVE
09C02-09	CONCRETE BASES, TYPES 1, 2, 5, & 6
09C03-04	TRANSFORMER/PEDESTAL BASES
09C14-03	CONCRETE CONTROL CABINET BASE, TYPE L
09D01-05	CABINET SERVICE INSTALLATION (METER BREAKER PEDESTAL)
09D04-03	LIGHTING CONTROL CABINET 120/240 VOLT
09E01-15D	POLE MOUNTINGS FOR LIGHTING UNITS, TYPE 5 (30 FEET)
09E01-15G	HARDWARE DETAILS FOR POLE MOUNTINGS
09E03-06	NON-FREEWAY LIGHTING UNIT POLE WIRING
11B02-02	CONCRETE MEDIAN NOSE
12A04-03	STRUCTURE IDENTIFICATION PLAQUES, RAMP GATES, SIGN BRIDGES & OVERHEAD SIGN SUPPORTS & TRAFFIC SIGNALS
13C01-19	CONCRETE PAVEMENT LONGITUDINAL JOINTS AND TIES
13C11-14A	RURAL DOWELED CONCRETE PAVEMENT
13C11-14B	RURAL DOWELED CONCRETE PAVEMENT
13C13-11	URBAN DOWELED CONCRETE PAVEMENT
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
13C18-08E	CONCRETE PAVEMENT JOINTING AND STEEL REINFORCEMENT IN ROUNDABOUTS
13C18-08F	CONCRETE PAVEMENT INTERSECTION BOXOUT FOR INTEGRAL CURB AND GUTTER
13C19-03	HMA LONGITUDINAL JOINTS
14B29-01	SAFETY EDGE
15A03-02A	FLEXIBLE MARKER POST FOR CULVERT END
15A03-02B	FLEXIBLE MARKER POST FOR CULVERT END
15C03-05	BARRICADES AND SIGNS FOR SIDEROAD CLOSURES
15C04-05	TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45 M.P.H. OR GREATER TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC
15C05-05	TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 M.P.H. OR LESS
15C07-16D	ROUNDABOUT ARROWS
15C08-24A	PERMANENT LONGITUDINAL PAVEMENT MARKINGS
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
15C22-01	DOTTED EXTENSION FOR ROUNDABOUT
15D20-10A	TRAFFIC CONTROL, SINGLE LANE CLOSURE, DIVIDED NON-FREEWAY/EXPRESSWAY
15D20-10B	TRAFFIC CONTROL, SINGLE RIGHT LANE CLOSURE, UNDIVIDED NON-FREEWAY/EXPRESSWAY
15D20-10C	TRAFFIC CONTROL, SINGLE LEFT LANE CLOSURE, UNDIVIDED NON-FREEWAY/EXPRESSWAY
15D21-07A	TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LANE CLOSURE
15D22-08	TRAFFIC CONTROL, TWO LANE CLOSURE, NON-FREEWAY/EXPRESSWAY
15D27-04	TRAFFIC CONTROL, SHOULDER CLOSURE ON DIVIDED ROADWAY, SPEEDS GREATER THAN 40 MPH
15D28-04	TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY
15D37-03	TRAFFIC CONTROL, 2-LANE ROUNDABOUT
15D39-03	TRAFFIC CONTROL, DROP-OFF SIGNING
15D40-06A	TRAFFIC CONTROL, FULL LANE SHIFT NON-FREEWAY/EXPRESSWAY OR MULTILANE DIVIDED 45 MPH AND UNDER

6

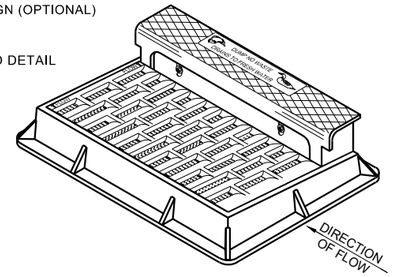
Standard Detail Drawing List

15D40-06B	TRAFFIC CONTROL, FULL LANE SHIFT MULTILANE DIVIDED 50 MPH AND OVER
15D40-06C	TRAFFIC CONTROL, PARTIAL LANE SHIFT NON-FREEWAY/EXPRESSWAY OR MULTILANE DIVIDED 45 MPH AND UNDER
15D40-06D	TRAFFIC CONTROL, PARTIAL LANE SHIFT MULTILANE DIVIDED 50 MPH AND GREATER
16A01-07	LANDMARK REFERENCE MONUMENTS AND COVERS

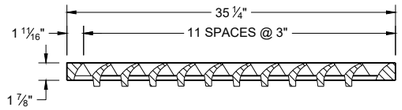
6

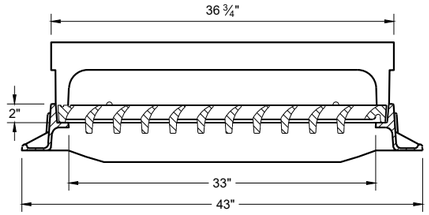


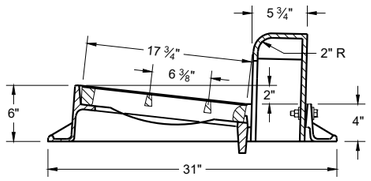
NOTE: EITHER CASTING IS ACCEPTABLE

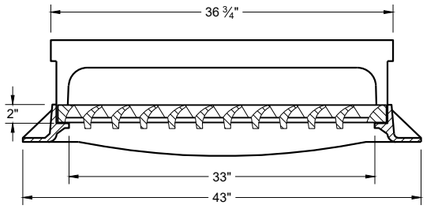


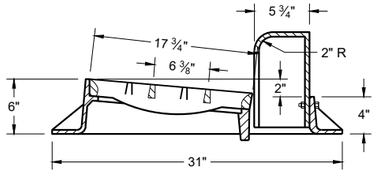
NOTE: CURB BOX HEIGHT ADJUSTABLE 6" - 9"







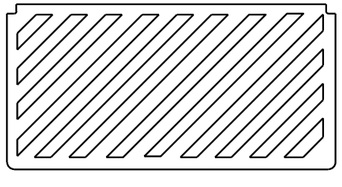




TYPE "H"

NOTE: EITHER CASTING IS ACCEPTABLE

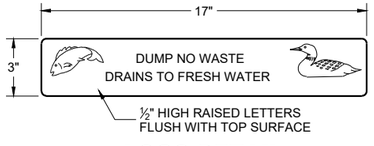
1 1/8" DIAGONAL BARS WITH 1 5/8" OPENINGS



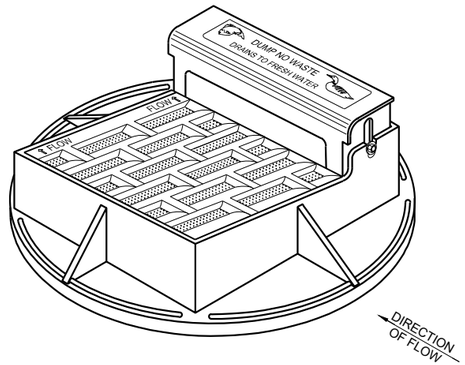
SPECIAL GRATE FOR TYPE "H" COVER

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

(NOTED AS TYPE H-S ON DRAINAGE TABLE)

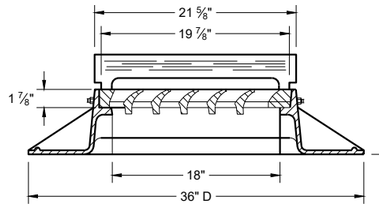


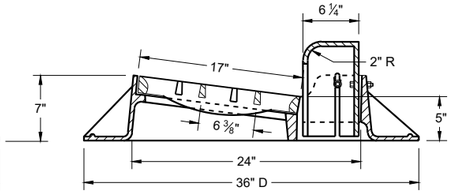
LOGO DETAIL



NOTE: CURB BOX HEIGHT ADJUSTABLE 6" - 9"

NOTE: EITHER CASTING IS ACCEPTABLE





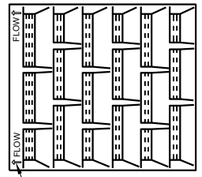
TYPE "A"

GENERAL NOTES

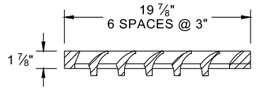
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

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.

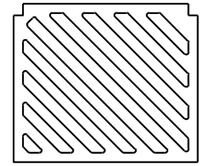
ROUND FRAMES AND COVERS SHALL HAVE CONTINUOUSLY MACHINED BEARING SURFACES TO PREVENT ROCKING AND RATTLING.



DIRECTION OF FLOW ARROWS



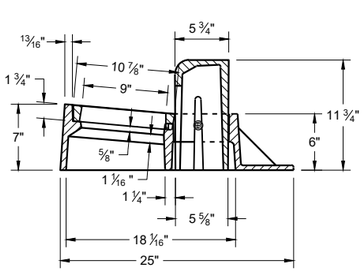
1" DIAGONAL BARS WITH 1 1/2" OPENINGS



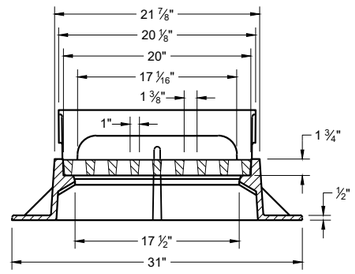
SPECIAL GRATE FOR TYPE "A" COVER

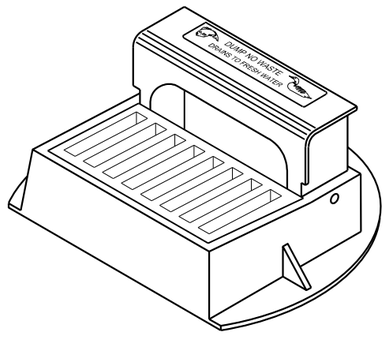
(MEASURES 19 3/4" X 17" X 1 7/8")

(NOTED AS TYPE A-S ON DRAINAGE TABLE)



TYPE "Z"





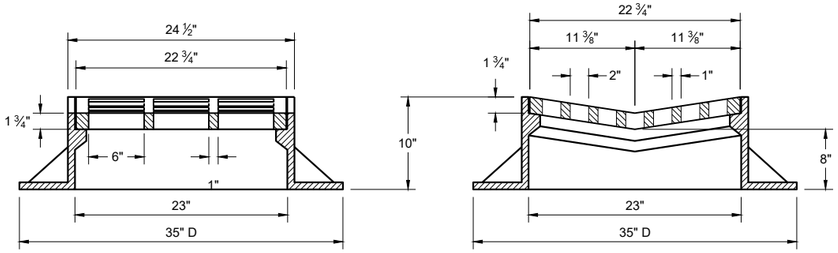
INLET COVERS
TYPES A, H, A-S, H-S AND Z

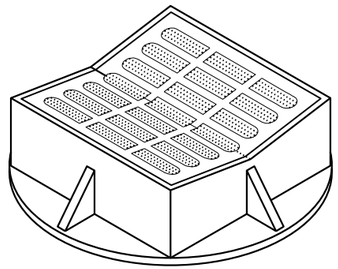
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2025
DATE

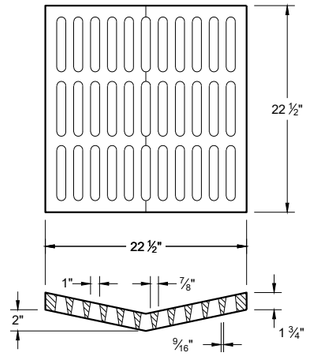
/S/ Rodney Taylor
ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR

FHWA





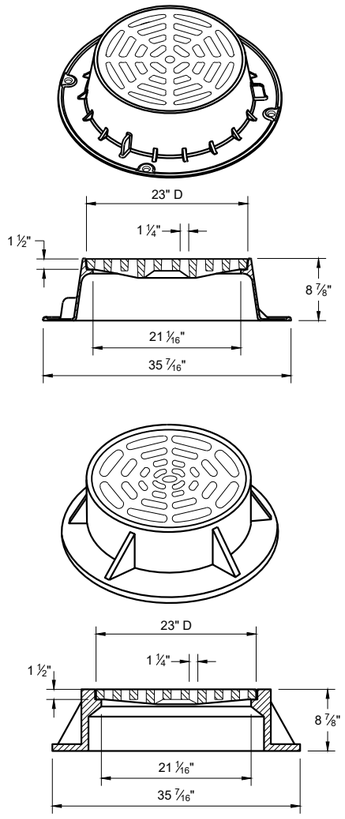
TYPE "B"



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"

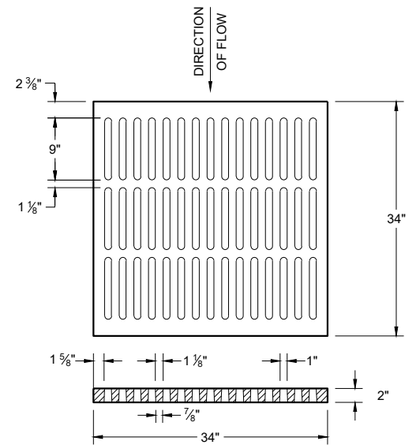
NOTE: EITHER CASTING IS ACCEPTABLE

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.

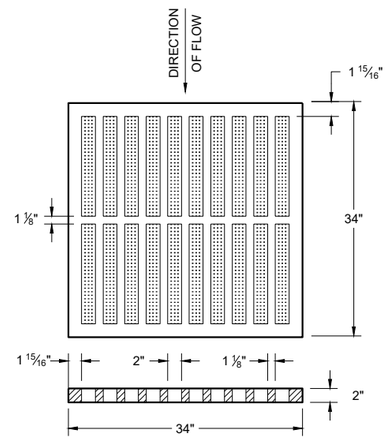
ROUND FRAMES AND COVERS SHALL HAVE CONTINUOUSLY MACHINED BEARING SURFACES TO PREVENT ROCKING AND RATTLING.



ALTERNATIVE TYPE "MS"

USE WHERE PEDESTRIAN OF BICYCLE TRAFFIC IS PERMITTED

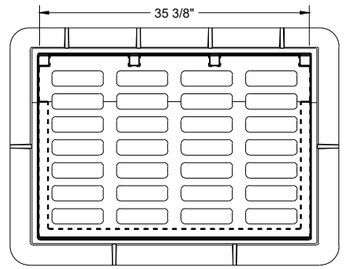
NOTED AS TYPE MS-A ON THE DRAINAGE TABLE

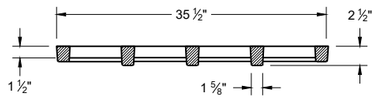


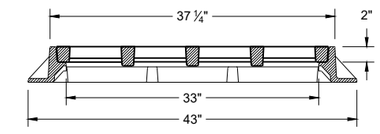
TYPE "MS"

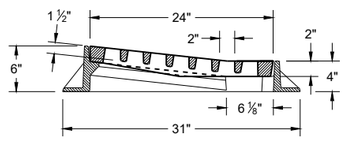
USE ON FREEWAYS AND EXPRESSWAYS

NOTED AS TYPE MS ON THE DRAINAGE TABLE



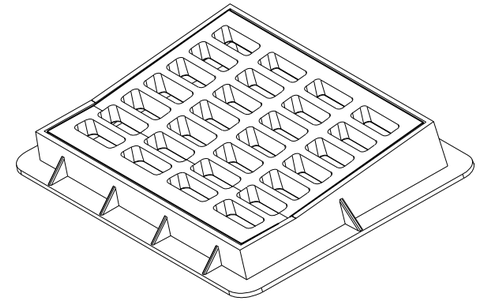


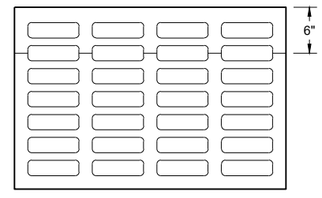


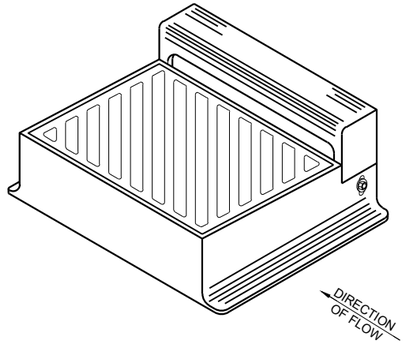


TYPE "DW"

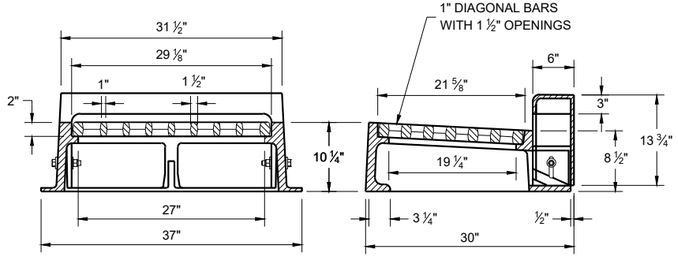
NOTES: FOR USE IN A SUMP CONDITION. THIS OPTION IS ONLY TO BE USED IF NO OTHER INLETS ARE APPLICABLE.







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"

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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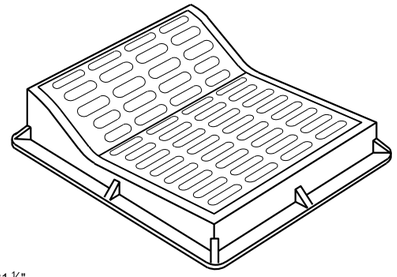
SDD 08A05-22b

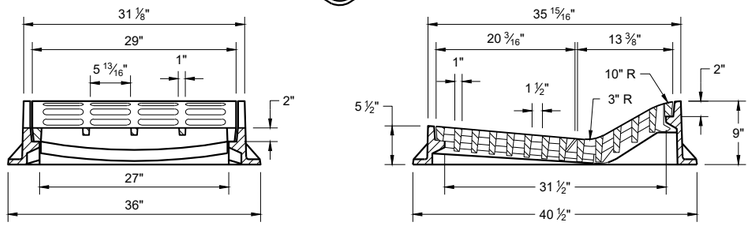
SDD 08A05-22b

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.

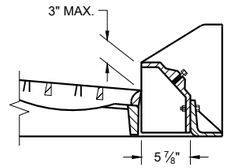
DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR INLET COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.





TYPE "F"

USE WITH TYPES "A" AND "D" CONCRETE CURB AND GUTTER, 36"

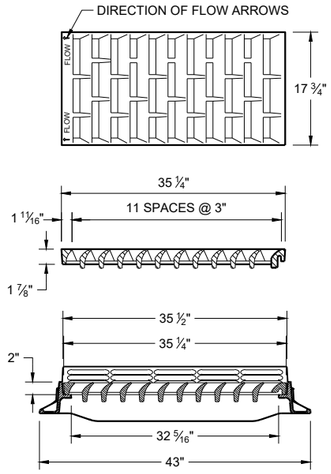


ALTERNATIVE CURB BOX FOR TYPE "HM" COVER

USE WITH TYPES "G" AND "J" CONCRETE CURB AND GUTTER, 30 INCH
NOTED AS TYP "HM-GJ" ON DRAINAGE TABLE

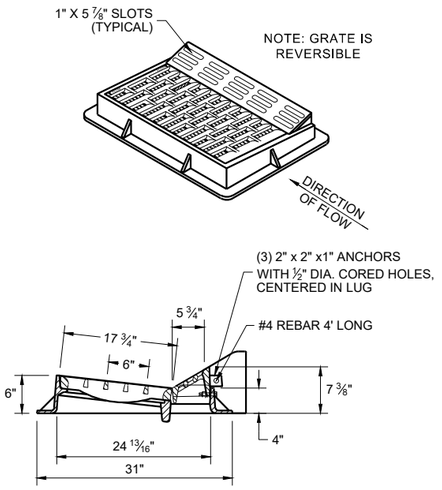
NOTE:
SPECIAL GRATE FOR THE TYPE "H" COVER MAY ALSO BE USED FOR THE TYPE "HM-GJ" COVER.

NOTED AS TYPE HM-GJ-S ON THE DRAINAGE TABLE.



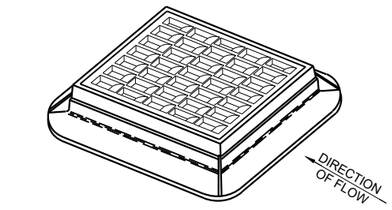
TYPE "HM"

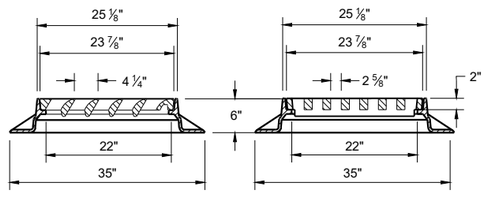
USE WITH TYPES "A" AND "D" CONCRETE CURB AND GUTTER, 36"



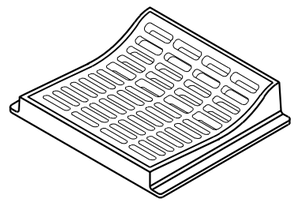
NOTE:
SPECIAL GRATE FOR THE TYPE "H" COVER MAY ALSO BE USED FOR THE TYPE "HM-GJ" COVER.

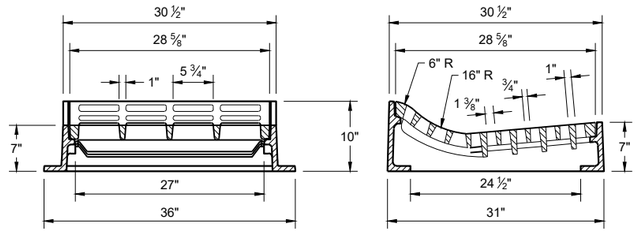
NOTED AS TYPE HM-GJ-S ON THE DRAINAGE TABLE.





TYPE "S"





TYPE "T"

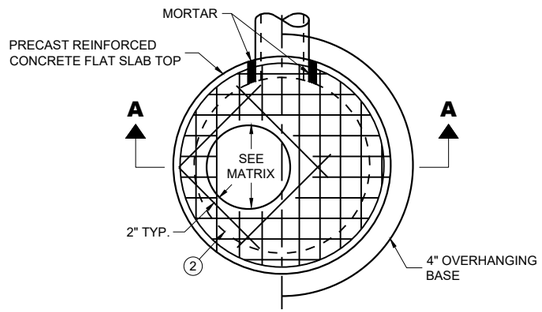
USE WITH TYPES "R" AND "T" CONCRETE CURB AND GUTTER, 36"

INLET COVERS
TYPES F, HM, HM-S, S, T, HM-GJ AND HM-GJ-S

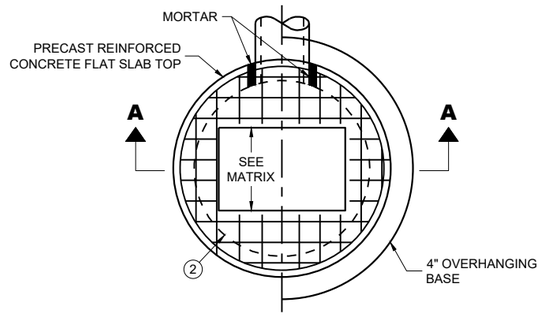
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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

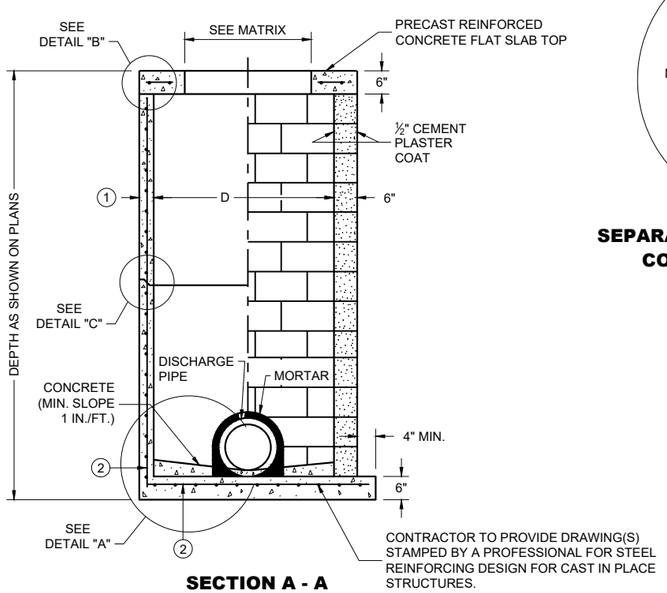
FHWA



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)

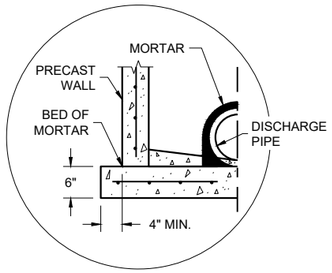
CIRCULAR INLETS WITH FLAT TOP

CATCH BASIN COVER OPENING MATRIX

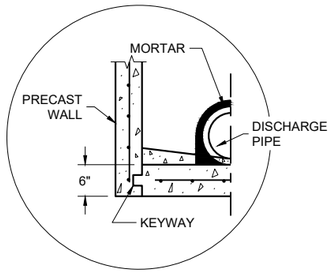
INLET SIZE	INLET COVER TYPE	ALL A'S	ALL B'S	BW	C	F	ALL H'S	S	T	V	WM	Z
	OPENING SIZE (FT.)											
3-FT	2 DIA.				X							X
	2 X 2	X	X					X		X		
4-FT	2 DIA.				X							X
	2 X 2	X	X					X		X		
	2 X 2.5			X				X	X	X	X	
	2 X 3						X					
	2.5 X 3					X						

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

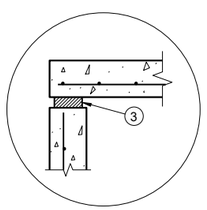


SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

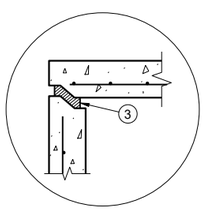


PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE OPTION

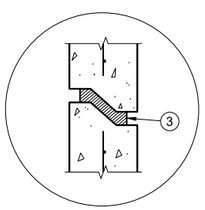
DETAIL "A"



TOP WITH PLAIN END JOINT



TOP WITH TONGUE AND GROOVE JOINT



RISER WITH TONGUE AND GROOVE JOINT

DETAIL "B" **DETAIL "C"**

INLETS 3-FT AND 4-FT DIAMETER

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.

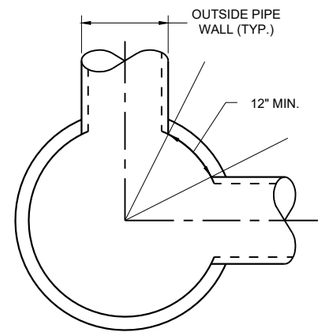
4" OVERHANGING BASES ARE REQUIRED FOR ALL CONCRETE BLOCK INSTALLATIONS. 4" OVERHANG IS REQUIRED WHEN SEPARATE PRECAST BASE IS PROVIDED. OVERHANG IS NOT REQUIRED ON PRECAST STRUCTURES WITH AN INTEGRAL OR MONOLITHIC BASE.

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

APPROVED
December 2023 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR

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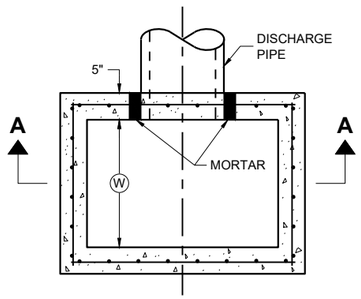
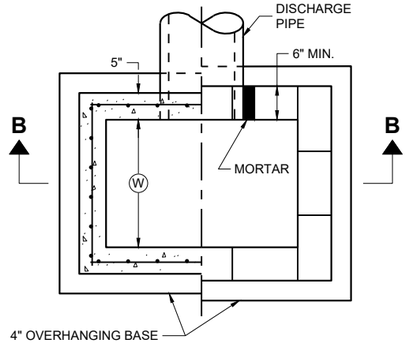
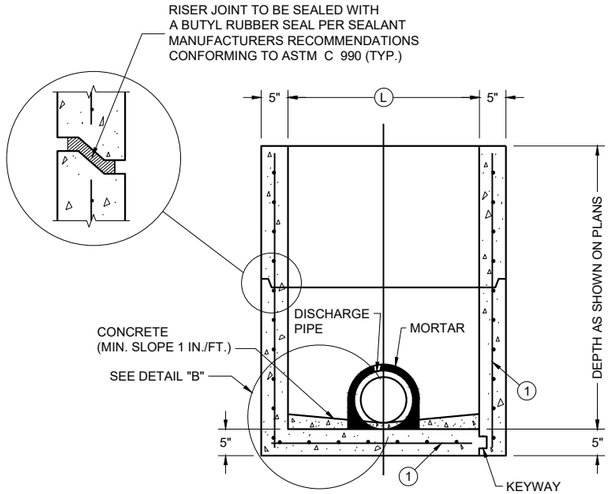
SDD 08C06-03



PLAN VIEW



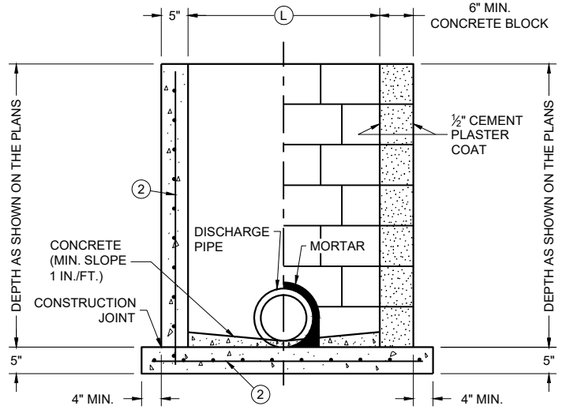
PLAN VIEW



PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE

PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE

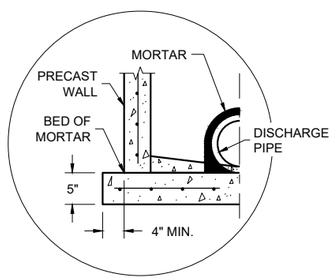
SECTION A - A



CAST IN PLACE REINFORCED CONCRETE

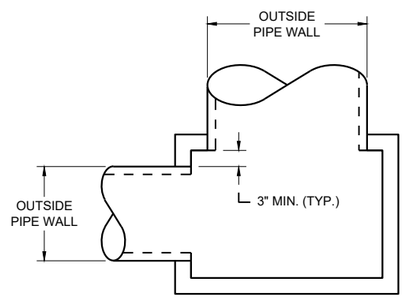
CONCRETE BLOCK WITH CAST IN PLACE OR PRECAST REINFORCED CONCRETE BASE (1)

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.

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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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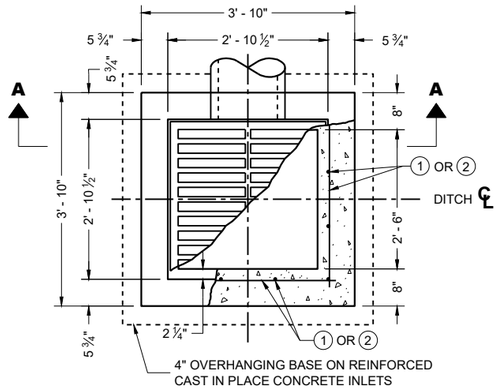
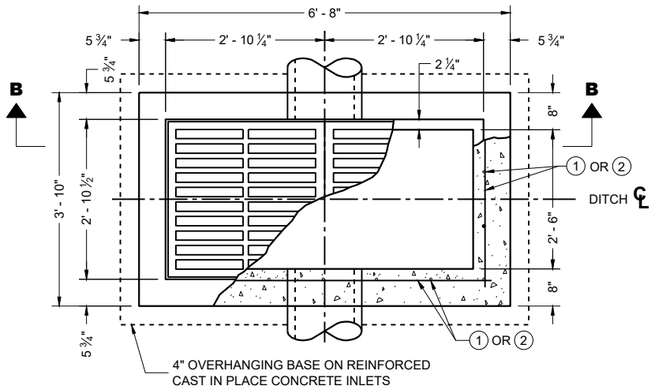
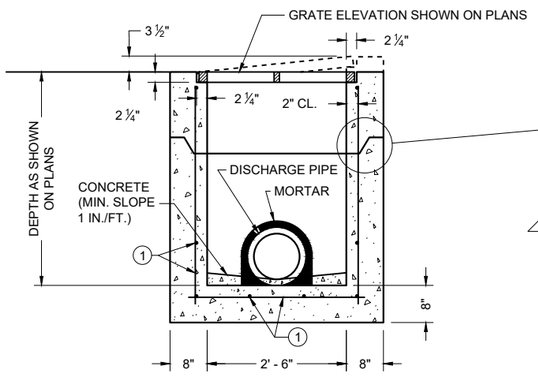
SDD 08C07-03



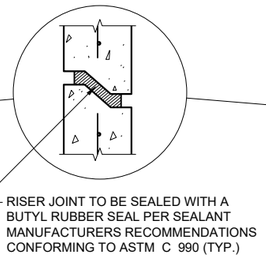
PLAN VIEW

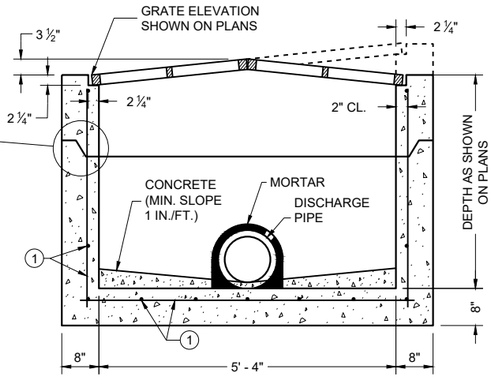


PLAN VIEW

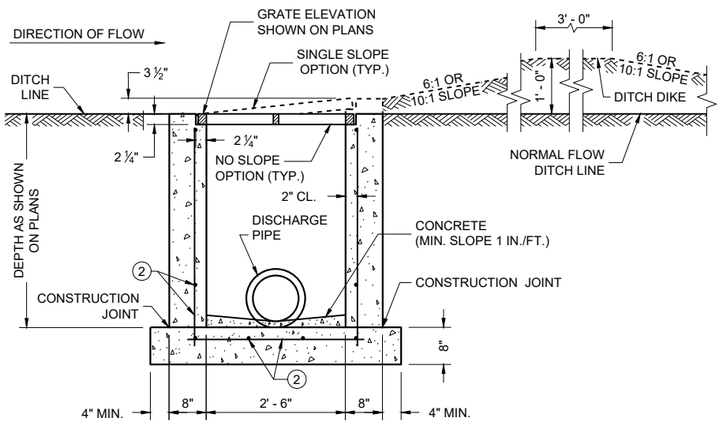


PRECAST REINFORCED CONCRETE SECTION A - A



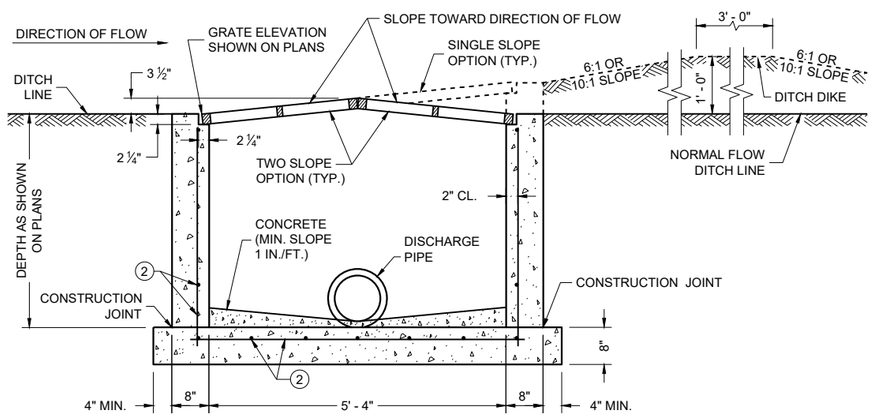


PRECAST REINFORCED CONCRETE SECTION B - B



REINFORCED CAST IN PLACE CONCRETE SECTION A - A

INLETS MEDIAN 1 GRATE



REINFORCED CAST IN PLACE CONCRETE SECTION B - B

INLETS MEDIAN 2 GRATE

GENERAL NOTES

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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 INLETS WHICH MAY INCLUDE PRECAST REINFORCED CONCRETE INLETS, SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ALL MEDIAN INLETS ARE DESIGNATED ON THE PLANS AS "INLETS, 1G-MS", ETC. THE FIRST NUMBER AND LETTER DESIGNATE THE TYPE OF STRUCTURE, AND THE FOLLOWING LETTERS DESIGNATE 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 PRECAST INLET UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF ASTM C 913.

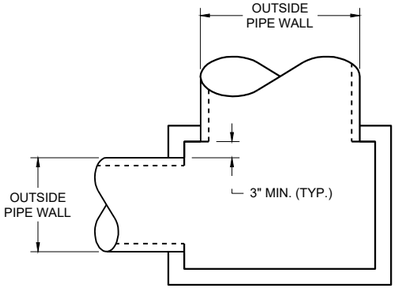
ALL BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2 INCHES CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

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

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.



DETAIL "A"

PIPE MATRIX

INLET SIZE	MAXIMUM INSIDE PIPE DIAMETER	
	WIDTH (IN)	LENGTH (IN)
1 GRATE	18	18
2 GRATE	18	42

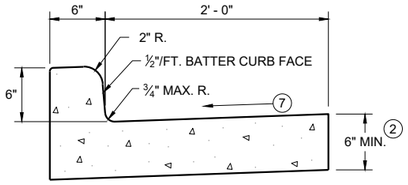
INLETS
MEDIAN 1 AND 2 GRATE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

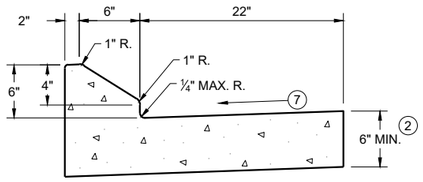
APPROVED
December 2023 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR

FHWA

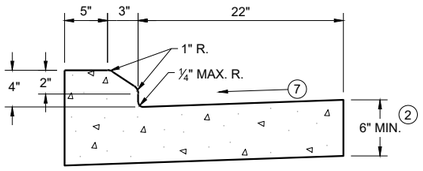
6
SDD 08C08-03



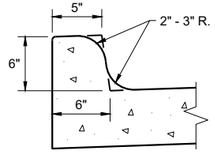
TYPES A (1) & D



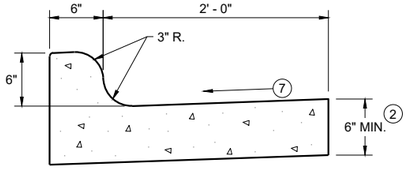
6" SLOPED CURB TYPES G (1) & J



4" SLOPED CURB TYPES G (1) & J

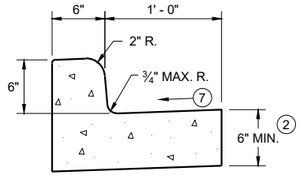


TYPES K (1) & L
(OPTIONAL CURB SHAPE)



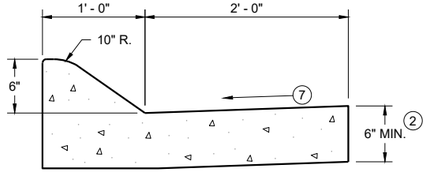
TYPES K (1) & L

CONCRETE CURB AND GUTTER 30"

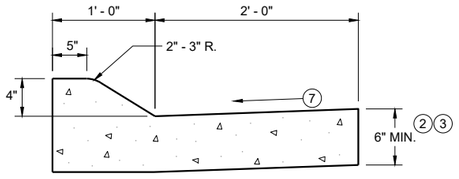


TYPES A (1) & D

CONCRETE CURB AND GUTTER 18"

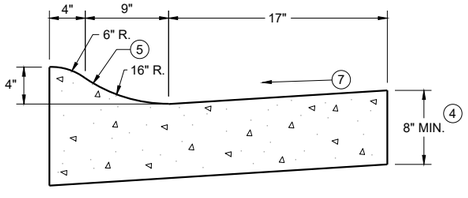


6" SLOPED CURB TYPES A (1) & D



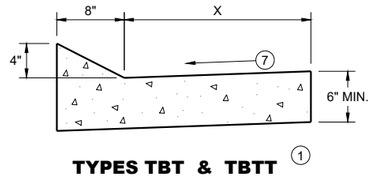
4" SLOPED CURB TYPES A (1) & D

CONCRETE CURB AND GUTTER 36"



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

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

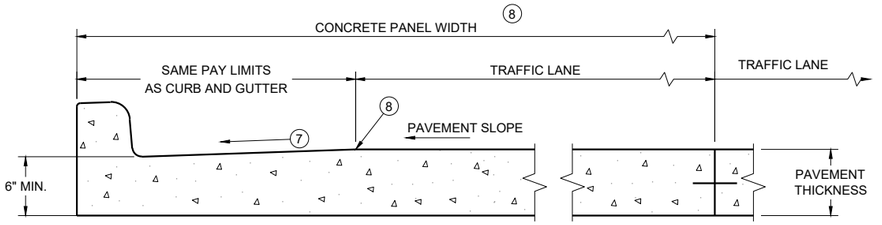


TYPES TBT & TBTT (1)

CONCRETE CURB AND GUTTER

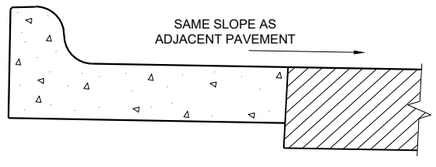
PAVEMENT THICKNESS AND MAXIMUM CONCRETE PANEL WIDTH TABLE

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.

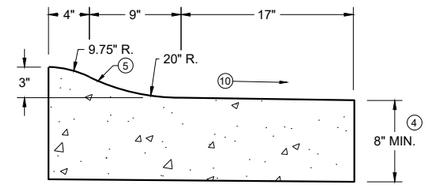
(5) UNLESS OTHERWISE NOTED, FOR STAKING PURPOSES THE FACE OF CURB IS 6" FROM THE BACK OF CURB.

(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.

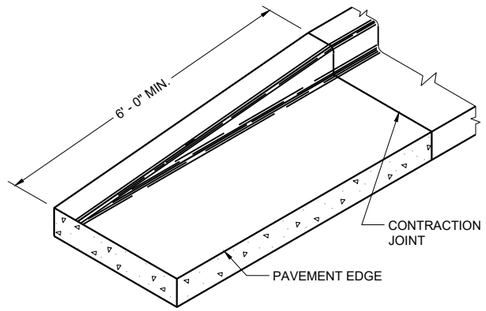
(9) SLOPE TO BE REVERSE SLOPE MATCHING THE SLOPE OF THE PAVEMENT AND THE CIRCULATORY ROADWAY



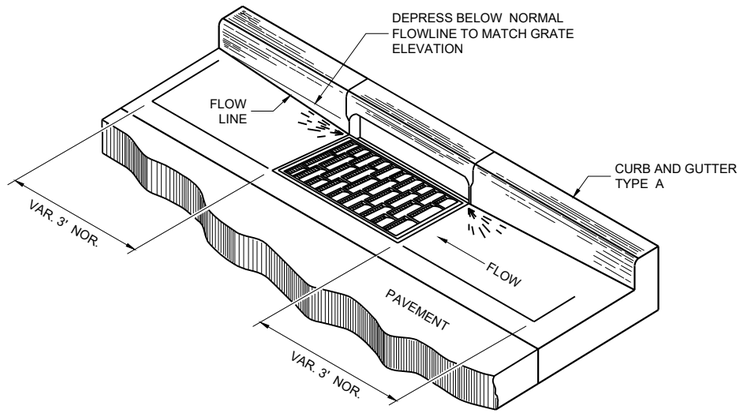
3" SLOPED CURB TYPES R (1) & T

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.

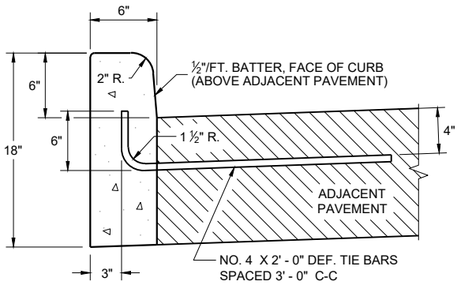
UNLESS OTHERWISE SHOWN ON THE TYPICAL CROSS SECTIONS, THE BASE AGGREGATE AND COMMON EXCAVATION LIMITS ARE 2' - 0" BEHIND THE BACK OF CURBS.

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

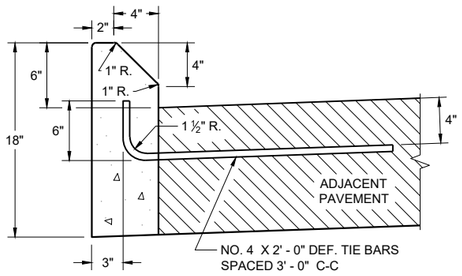
(2) THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE AGGREGATE PROVIDED A 6" MINIMUM GUTTER THICKNESS IS MAINTAINED.

(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.

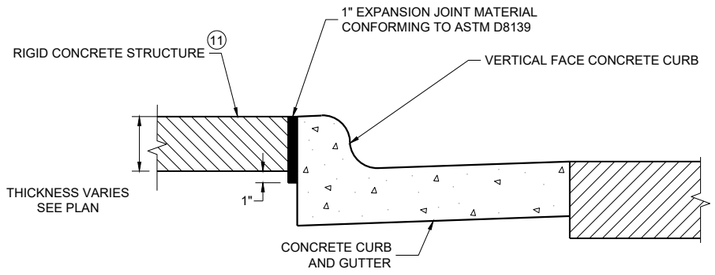


TYPES A (1) & D

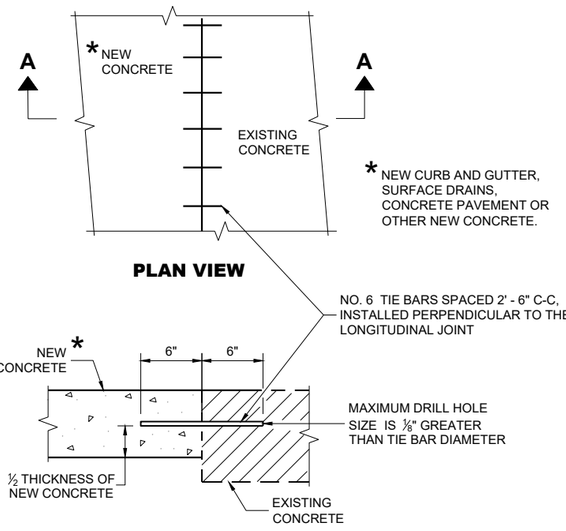


TYPES G (1) & J

CONCRETE CURB



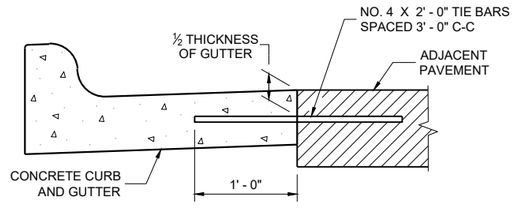
EXPANSION JOINT DETAIL FOR VERTICAL CURB ABUTTING A RIGID STRUCTURE (11)



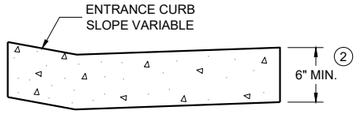
PLAN VIEW

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

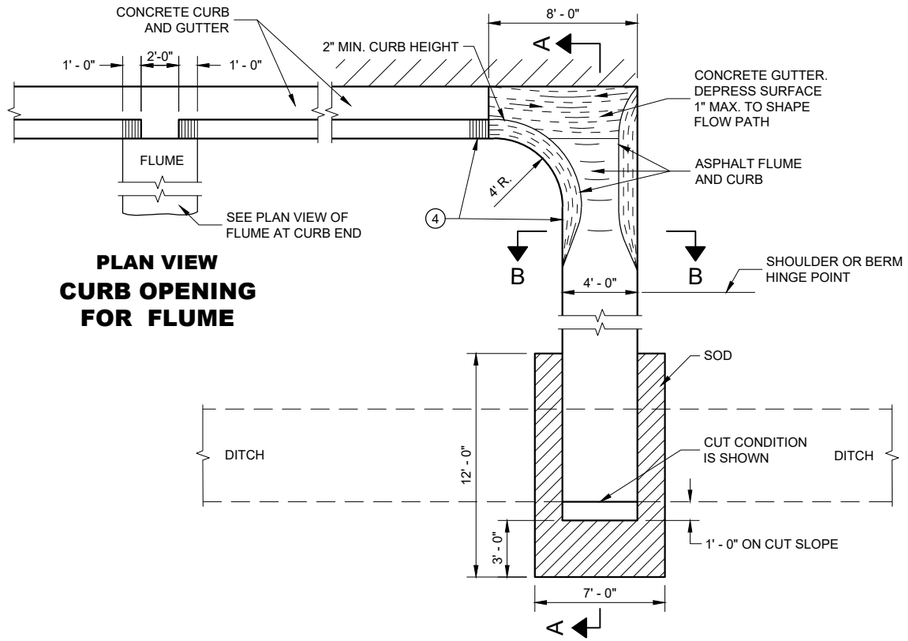
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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

FHWA

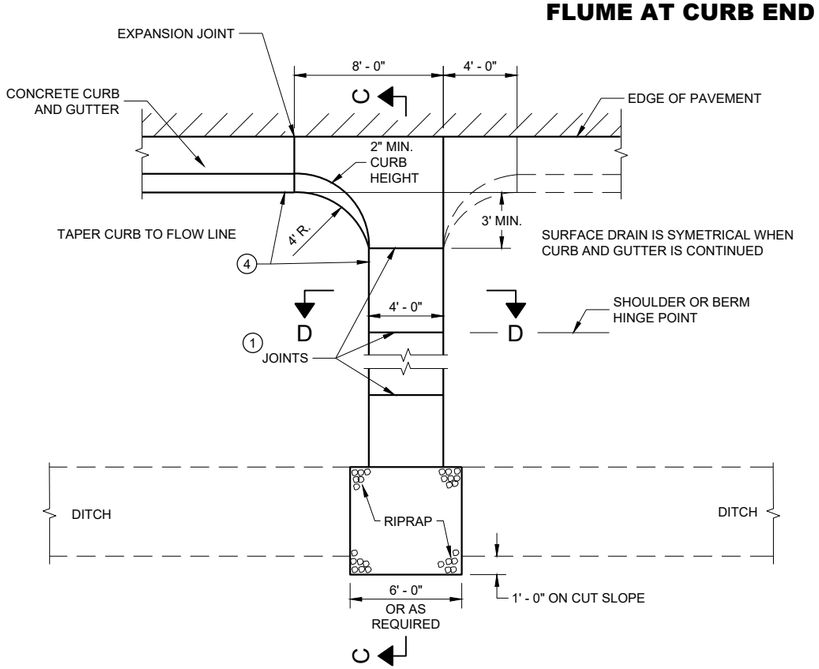
NOTE: TAPER CURB ENDS TO GUTTER IN 1' - 0"

ASPHALTIC FLUME



PLAN VIEW
CURB OPENING FOR FLUME

PLAN VIEW
FLUME AT CURB END



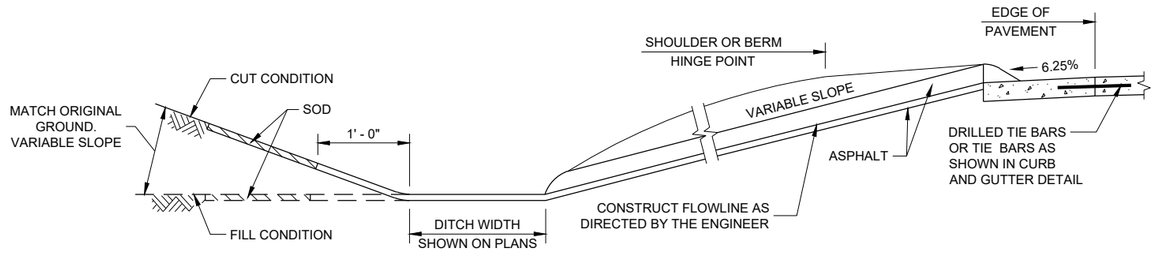
PLAN VIEW
CONCRETE SURFACE DRAIN

GENERAL NOTES

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

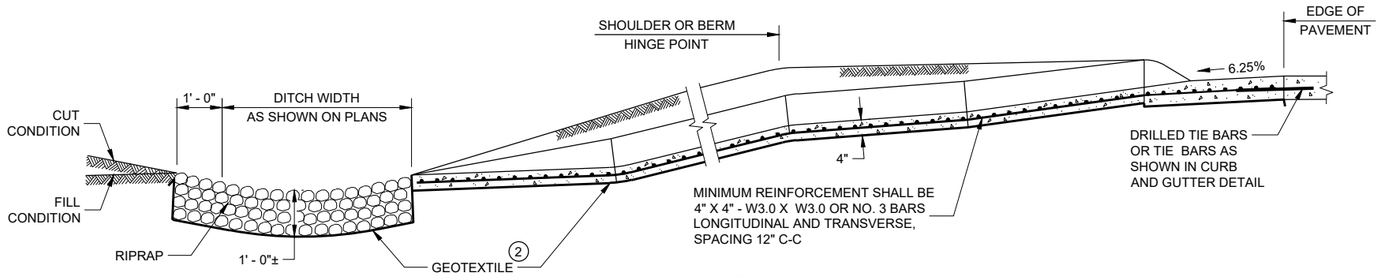
4" X 4" - W3.0 X W3.0 CONCRETE REINFORCEMENT SHALL BE IN ACCORDANCE WITH AASHTO SPECIFICATION M55.

1. JOINTS SHALL BE ⅛" TO ¼" WIDE BY 1½" DEEP AND SPACED AT UNIFORM INTERVALS OF APPROXIMATELY 4 FEET.
2. GEOTEXTILE TYPE "R" SHALL UNDERLAY THE FULL LENGTH AND WIDTH OF THE CONCRETE SURFACE DRAIN AND RIPRAP.
3. CONCRETE SURFACE DRAIN WITHOUT CURB AND GUTTER MAY BE USED ON BACKSLOPES WHEN SPECIFIED.
4. ANGLE OF FLUME IN RELATION TO BACK OF CURB TO BE CONSTRUCTED PER THE PLAN DETAILS OR AS DIRECTED BY THE ENGINEER. ANGLE OF FLUME MAY BE OTHER THAN 90 DEGREES AS SHOWN.

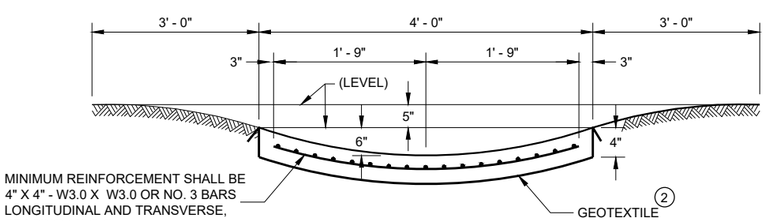


SECTION A - A

SECTION B - B



SECTION C - C



SECTION D - D

CONCRETE SURFACE DRAINS AND ASPHALTIC FLUMES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023
DATE

/S/ Rodney Taylor
ROADWAY STANDARDS DEVE ENGINEER

FHWA

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SDD 08D04 - 07

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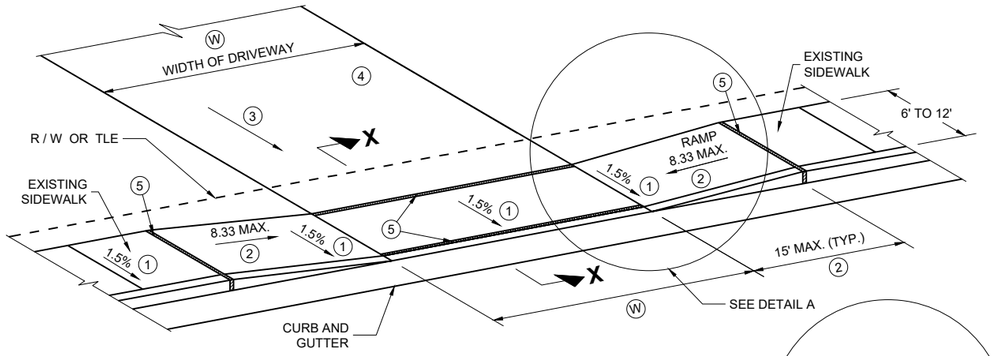
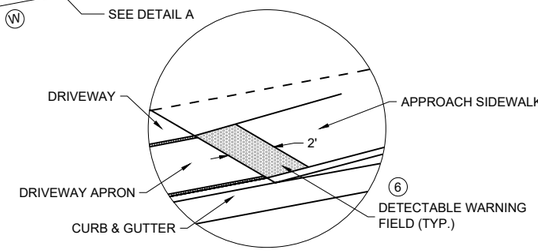
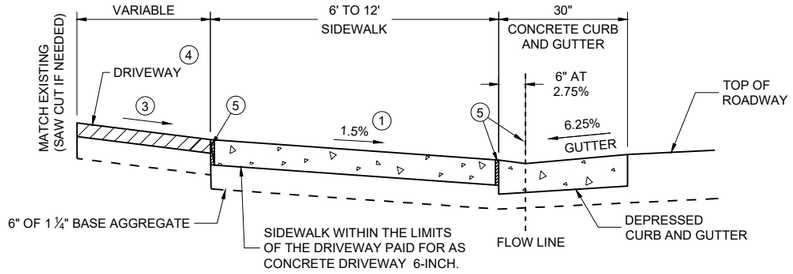
SDD 08D04 - 07



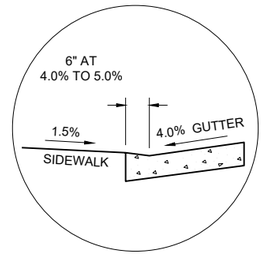
TYPE X
SIDEWALK ABUTS CURB AND GUTTER
TERRACE VARIES 0 TO 3 FEET



DETAIL A



SECTION X - X



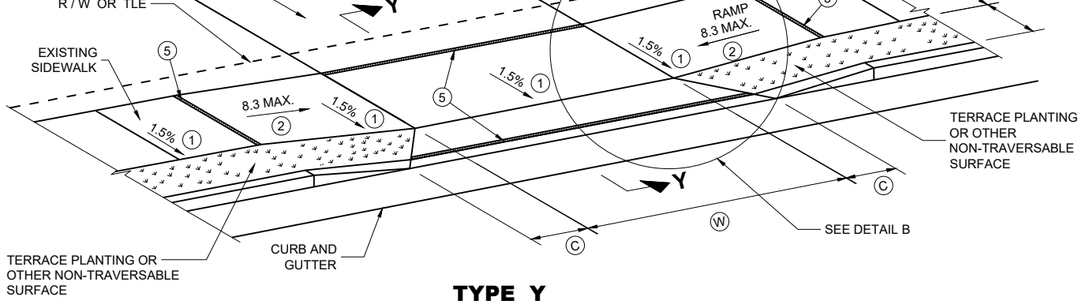
SECTION X - X
4% GUTTER SLOPE

Ⓦ: 12' MIN. - 24' MAX. RESIDENTIAL AND NON-COMMERCIAL (PE & FE)

16' MIN. - 35' MAX. COMMERCIAL (CE)

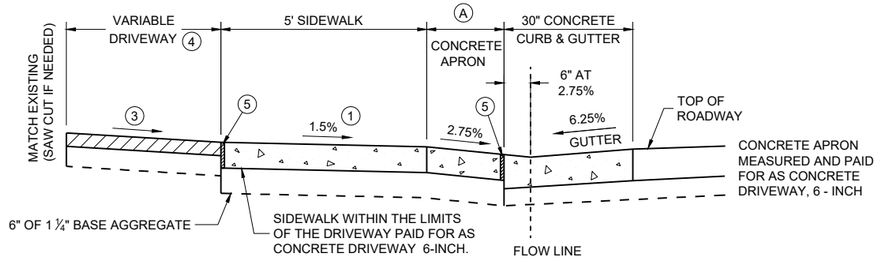
TABLE Y

Ⓐ FEET	Ⓒ FEET
3.5'	2.0'
4.5'	3.0'
5.5'	3.5'



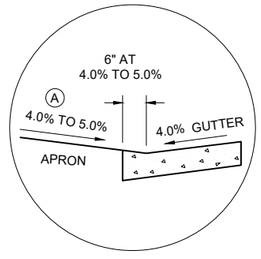
TYPE Y
SIDEWALK WITH NARROWER TERRACE
TERRACE VARIES 4 TO 6 FEET

Ⓐ: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%.

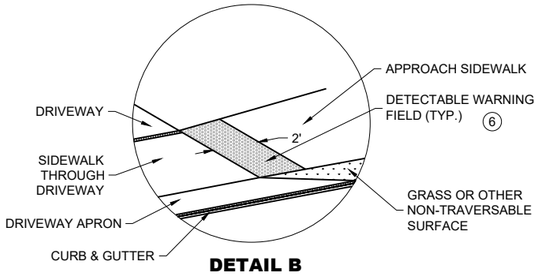
② THE SIDEWALK RAMP MAXIMUM RUNNING SLOPE SHALL NOT REQUIRE THE RAMP LENGTH TO EXCEED 15 FEET TO AVOID CHASING THE SLOPE INDEFINITELY WHEN CONNECTING TO STEEP GRADES. WHEN APPLYING THE 15 FOOT MAXIMUM LENGTH, THE RUNNING SLOPE OF THE SIDEWALK SHALL BE AS FLAT AS FEASIBLE AND NOT EXCEED THE LONGITUDINAL 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
February 2025 (DATE)
/S/ Rodney Taylor

FHWA

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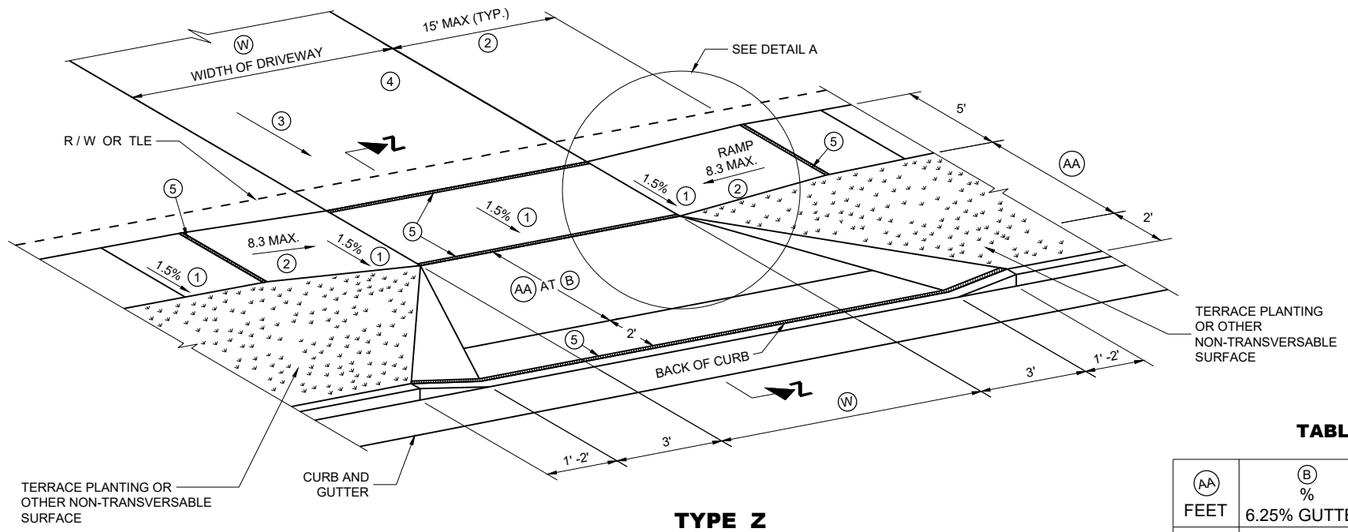
SDD 08D18-05



TYPE Z

SIDEWALK WITH WIDER TERRACE
TERRACE VARIES 7 TO 12 FEET

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.

(W) 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.

(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.

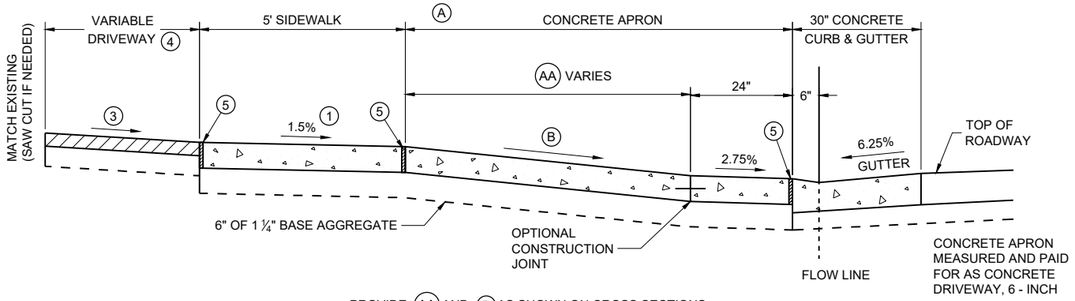
(6) DETECABLE WARNING FIELDS ARE REQUIRED WHEN A PEDESTRIAN CIRCULATION ROUTE CROSSES A DRIVEWAY THAT IS TRAFFIC SIGNAL, STOP, OR YIELD CONTROLLED. DETECTABLE WARNING FIELDS TO BE 2 FT DEEP AND EXTEND THE WIDTH OF THE PEDESTRIAN CIRCULATION ROUTE.

(W): 12' MIN. - 24' MAX. RESIDENTIAL AND NON-COMMERCIAL (PE & FE)

16' MIN. - 35' MAX. COMMERCIAL (CE)

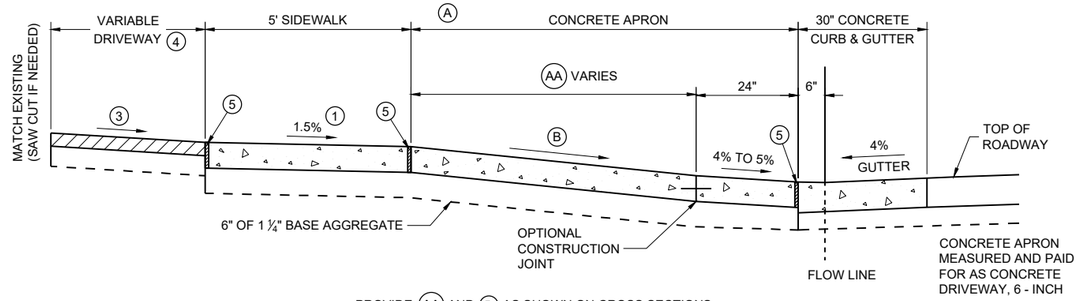
TABLE Z

(AA) FEET	(B) % 6.25% GUTTER	(B) % 4% GUTTER
4.5'	11.5%	9% TO 11.5%
5.5'	9% TO 11.5%	8% TO 11.5%
6.5'	8% TO 11.5%	6% TO 11.5%
7.5'	7% TO 11.5%	6% TO 11.5%
8.5'	6% TO 11.5%	5% TO 11.5%
9.5'	5% TO 11.5%	4% TO 11.5%



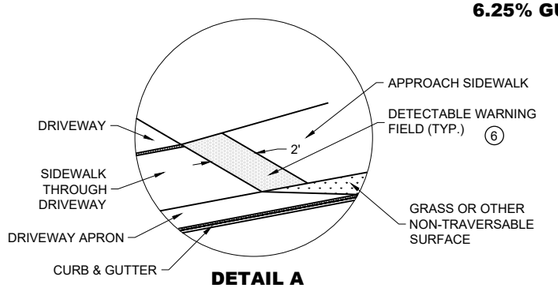
PROVIDE (AA) AND (B) AS SHOWN ON CROSS SECTIONS.

6.25% GUTTER SLOPE



PROVIDE (AA) AND (B) AS SHOWN ON CROSS SECTIONS.

4% GUTTER SLOPE



DETAIL A

NOTE: SIDEWALK MAY BE DEPRESSED IN DRIVEWAY AREAS FOR (B) VALUES NOT SHOWN IN TABLE Z.

SIDEWALK WITHIN THE LIMITS OF THE DRIVEWAY PAID FOR AS CONCRETE DRIVEWAY 6-INCH.

SECTION Z - Z

DRIVEWAY DETAIL WITH CONCRETE CURB AND GUTTER

(URBAN AND SUBURBAN)

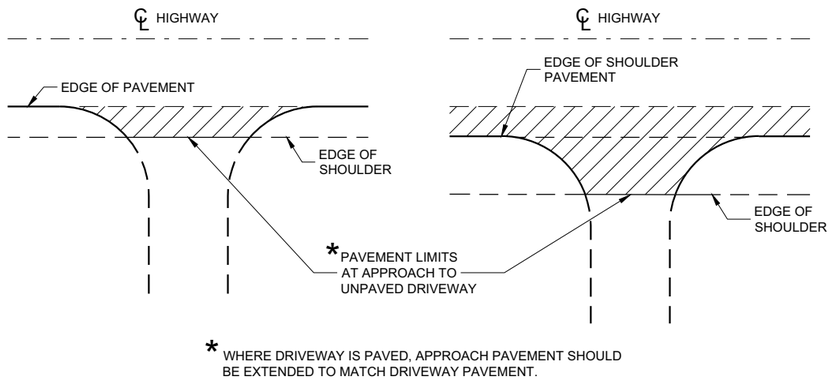
DRIVEWAY AND SIDEWALK RAMPS TYPE Z

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
July 2023 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR

FHWA

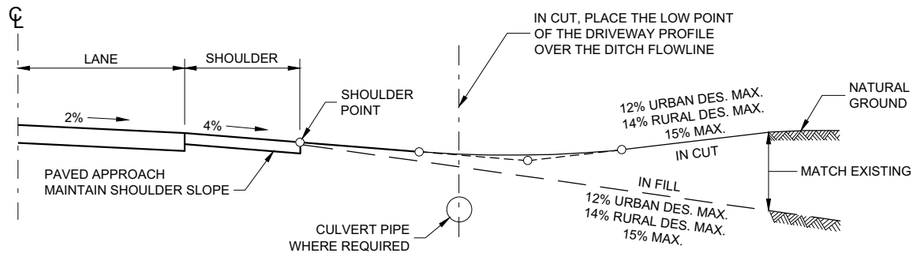
SDD 08D19-05



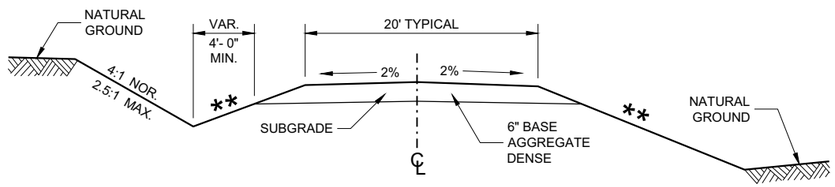
PLAN VIEW
(UNPAVED SHOULDER ON HIGHWAY)

PLAN VIEW
(PAVED SHOULDER ON HIGHWAY)

RURAL DRIVEWAY INTERSECTION DETAIL
(NO CURB AND GUTTER OR SIDEWALK)



TYPICAL DRIVEWAY PROFILES

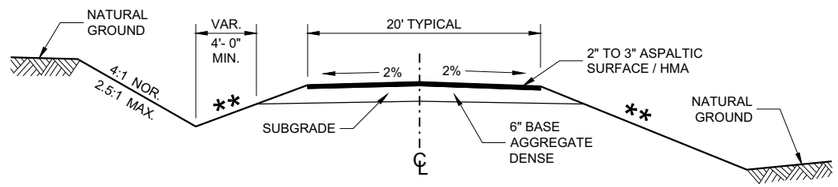


IN CUT **IN FILL**

TYPICAL CROSS SECTION FOR PRIVATE DRIVE OR FIELD ENTRANCE AGGREGATE SURFACE

** SLOPE CAN VARY WITH SPEED. SEE 11-45-30.6.2

POSTED SPEED MPH	MAX. SLOPE
<35	4:1
≥ 35 TO < 60	6:1
≥60	10:1



IN CUT **IN FILL**

TYPICAL CROSS SECTION FOR PRIVATE DRIVE OR FIELD ENTRANCE ASPHALTIC SURFACE

6

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SDD 08D21 - 01

SDD 08D21 - 01

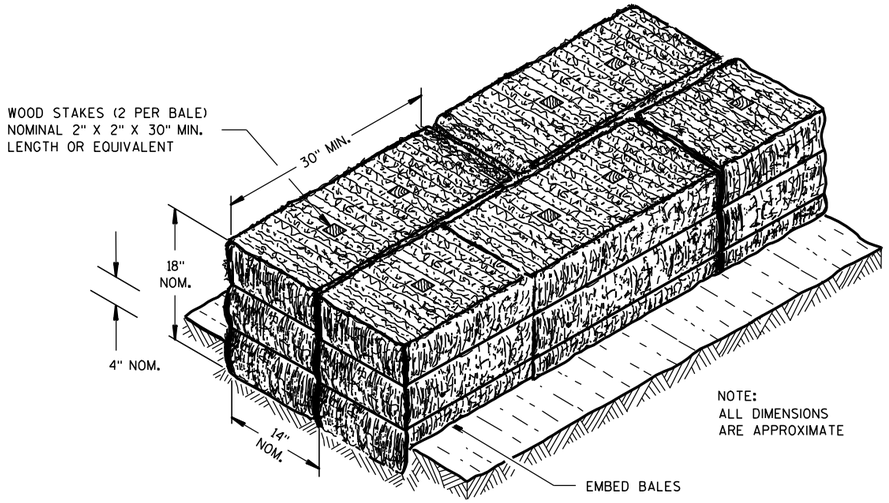
DRIVEWAYS WITHOUT CURB AND GUTTER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

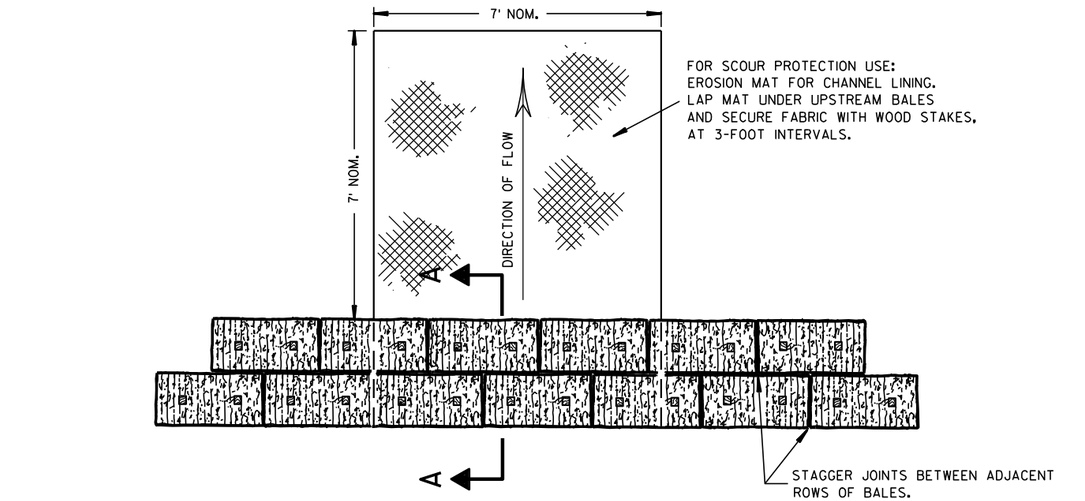
APPROVED
December 2017
DATE

/S/ Rodney Taylor
ROADWAY STANDARDS DEVE
UNIT SUPERVISOR

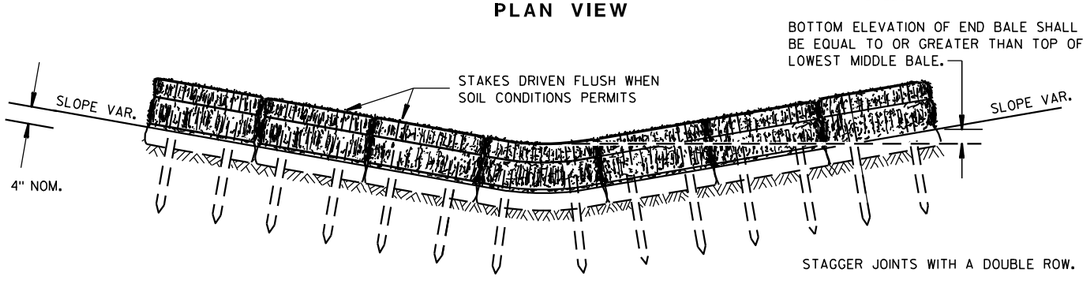
FHWA



SECTION A-A



PLAN VIEW



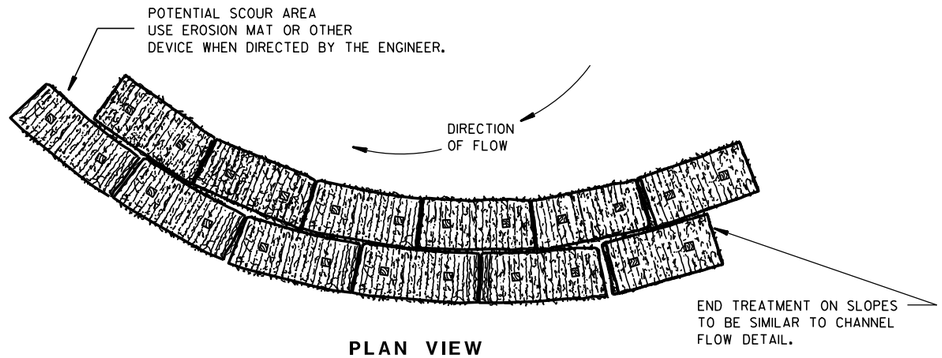
FRONT ELEVATION

TEMPORARY DITCH CHECK USING EROSION BALES (1)

GENERAL NOTES

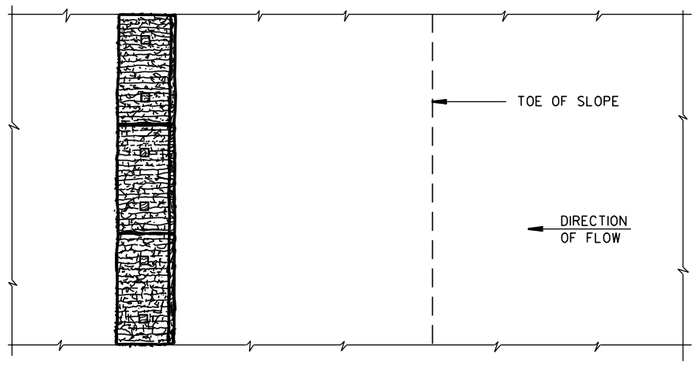
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

(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.

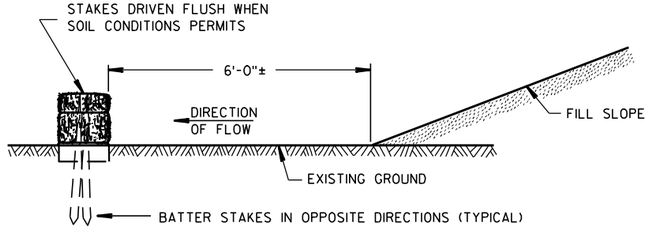


PLAN VIEW

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

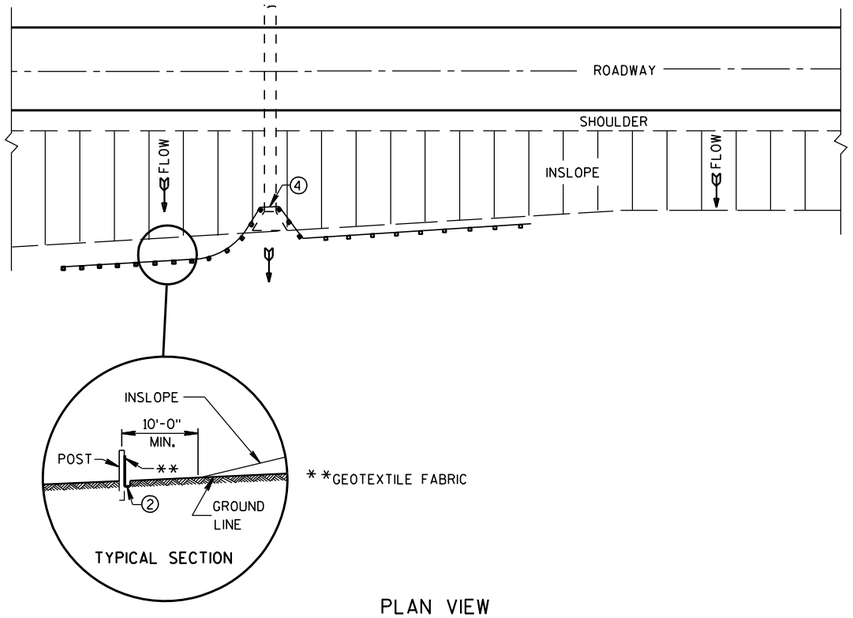
FHWA

6

S.D.D. 8 E 8-3

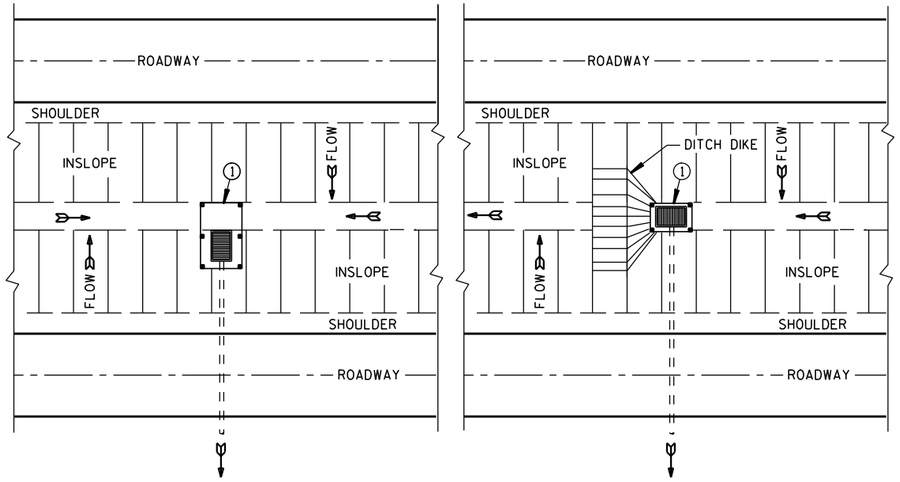
6

S.D.D. 8 E 8-3



PLAN VIEW

TYPICAL APPLICATION OF SILT FENCE



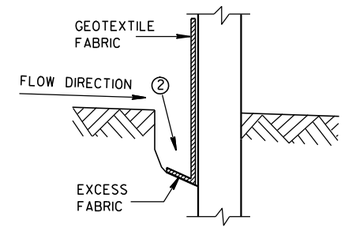
PLAN VIEW

SILT FENCE AT MEDIAN SURFACE DRAINS

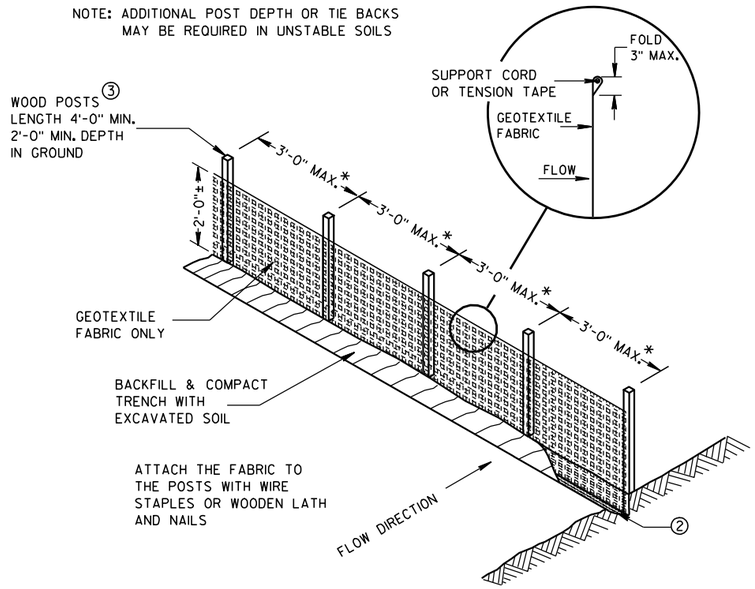
GENERAL NOTES

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

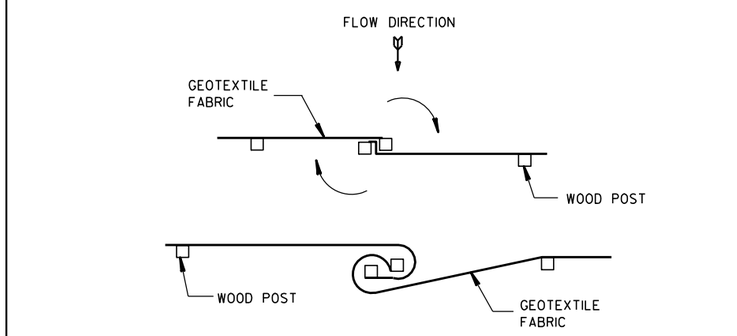
1. HORIZONTAL BRACE REQUIRED WITH 2" X 4" WOODEN FRAME OR EQUIVALENT AT TOP OF POSTS.
2. FOR MANUAL INSTALLATIONS THE TRENCH SHALL BE A MINIMUM OF 4" WIDE & 6" DEEP TO BURY AND ANCHOR THE GEOTEXTILE FABRIC. FOLD MATERIAL TO FIT TRENCH AND BACKFILL & COMPACT TRENCH WITH EXCAVATED SOIL.
3. WOOD POSTS SHALL 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.



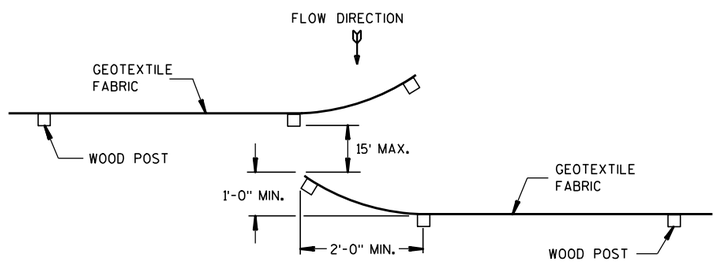
TRENCH DETAIL



SILT FENCE

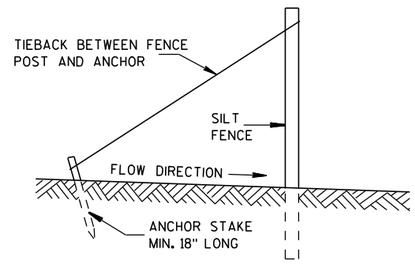


TWIST METHOD



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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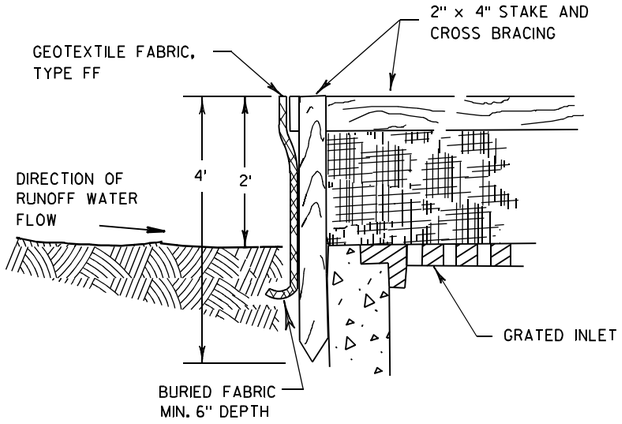
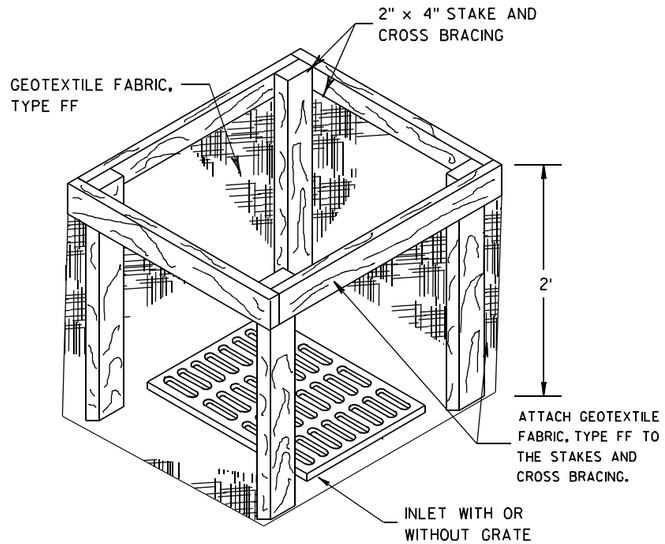
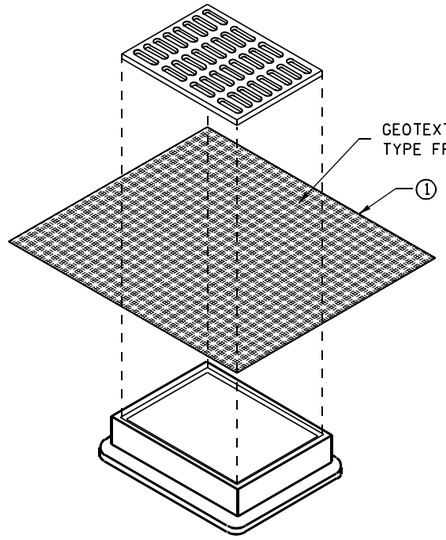
S.D.D. 8 E 9-6



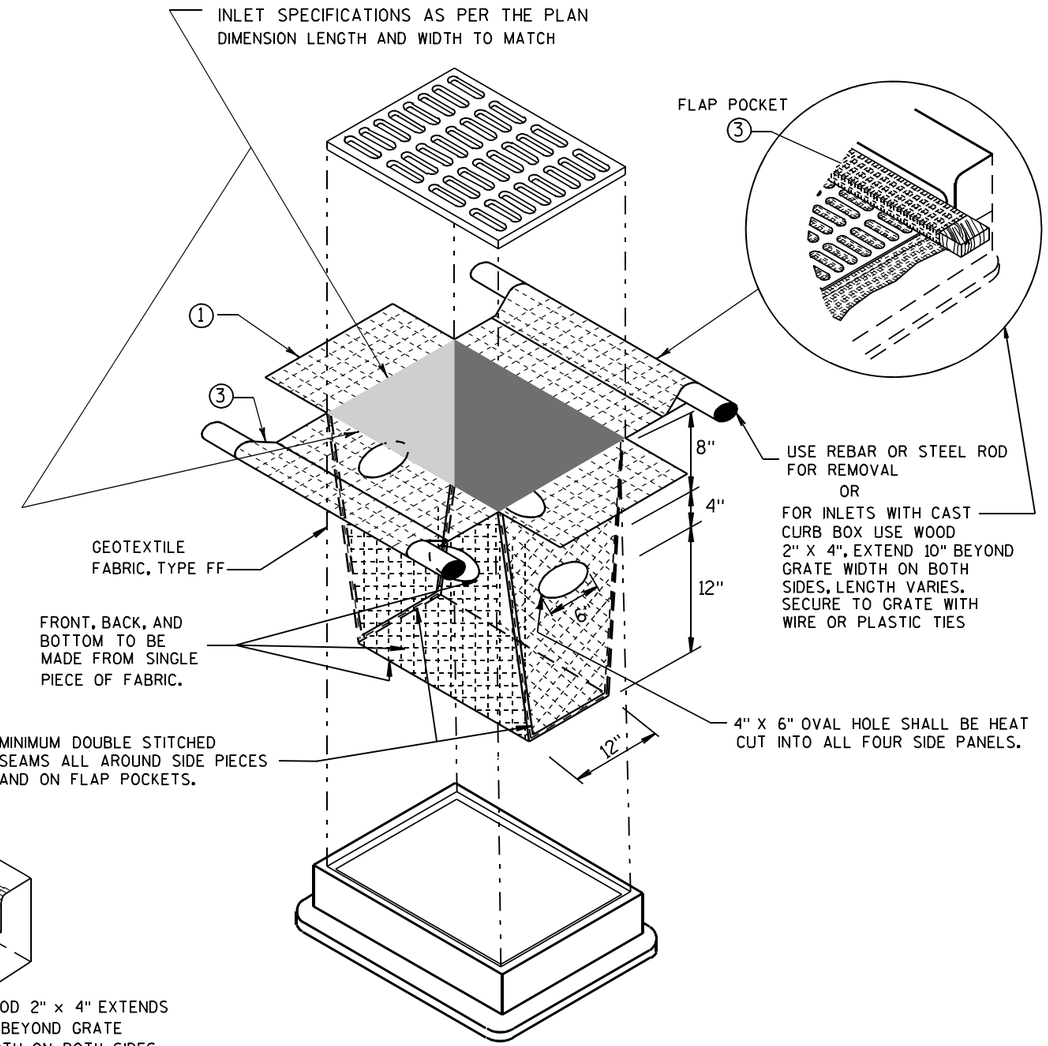


INLET PROTECTION, TYPE A



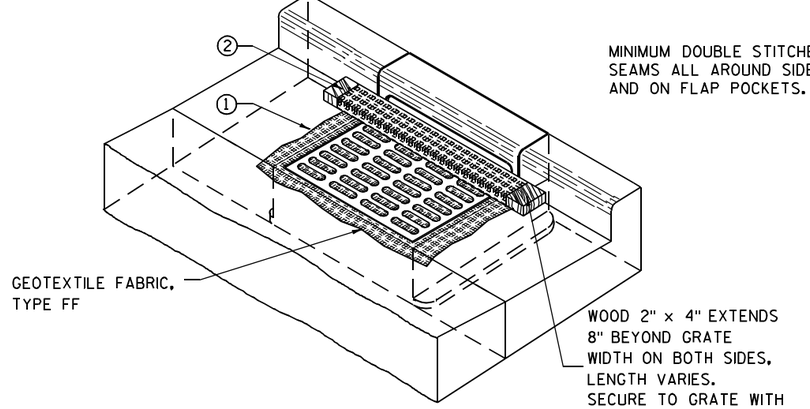
INLET PROTECTION, TYPE B
(WITHOUT CURB BOX)

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



INLET PROTECTION, TYPE D

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



INLET PROTECTION, TYPE C (WITH CURB BOX)

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

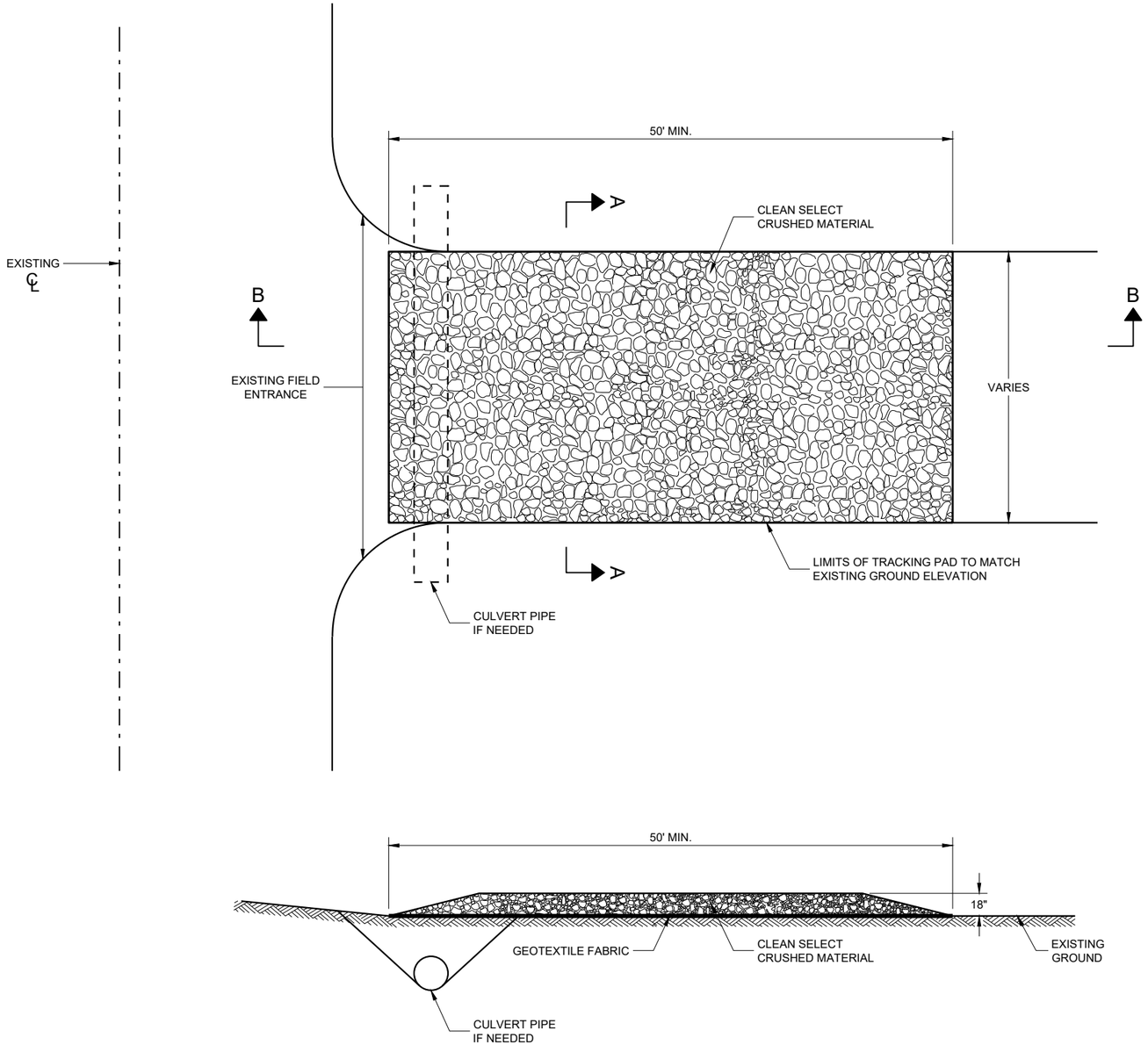
FHWA

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.

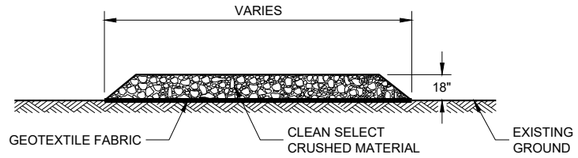
TRACKING PAD TO BE REMOVED AFTER CONSTRUCTION IS COMPLETED.

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

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SDD 08E14 - 01

TRACKING PAD

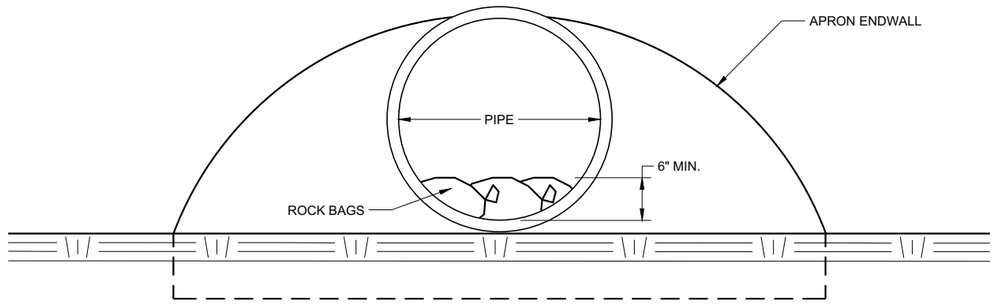
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
3/24/2011
DATE
/S/ Jerry H. Zogg
ROADWAY STANDARDS DEVE ENGINEER

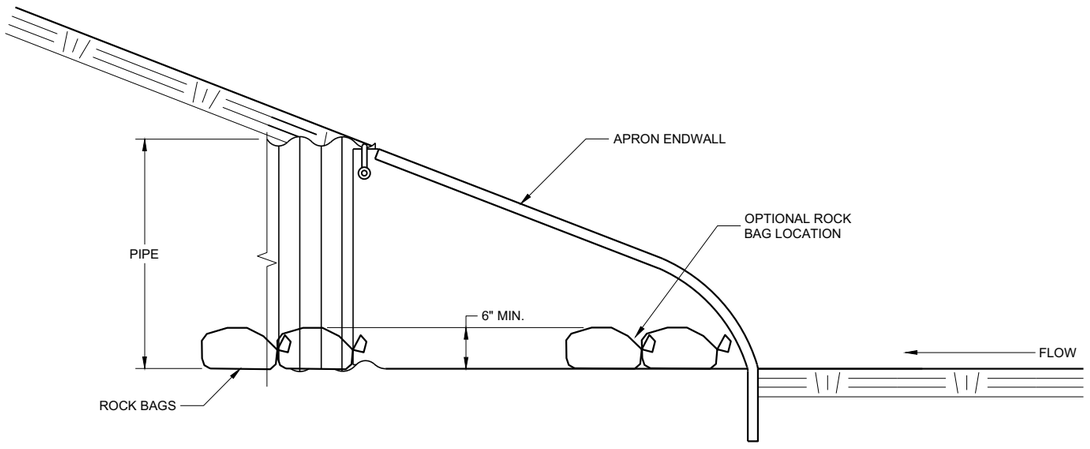
FHWA

6

SDD 08E14 - 01



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

FHWA

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SDD 08E15 - 01

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SDD 08E15 - 01

METAL APRON ENDWALLS

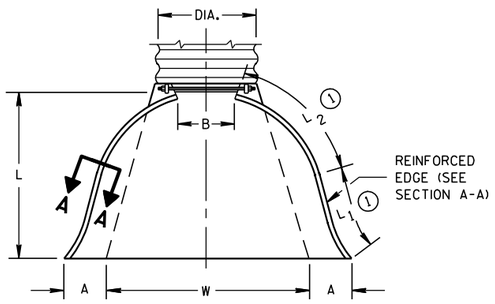
PIPE DIA. (IN.)	MIN. THICK. (Inches) STEEL	MIN. THICK. (Inches) ALUM.	DIMENSIONS (Inches) A (±1")	B (MAX.)	H (±1")	L (±1 1/2")	L1 ①	L2 ①	W (±2")	APPROX. SLOPE	BODY
12	.064	.060	6	6	6	21	12	17 1/2	24	2 1/2 to 1	1 Pc.
15	.064	.060	7	8	6	26	14	21 3/4	30	2 1/2 to 1	1 Pc.
18	.064	.060	8	10	6	31	15	28 1/4	36	2 1/2 to 1	1 Pc.
21	.064	.060	9	12	6	36	18	29 5/8	42	2 1/2 to 1	1 Pc.
24	.064	.075	10	13	6	41	18	37 1/4	48	2 1/2 to 1	1 Pc.
30	.079	.075	12	16	8	51	18	52 1/4	60	2 1/2 to 1	1 Pc.
36	.079	.105	14	19	9	60	24	59 3/4	72	2 1/2 to 1	2 Pc.
42	.109	.105	16	22	11	69	24	75 5/8	84	2 1/2 to 1	2 Pc.
48	.109	.105	18	27	12	78	24	81	90	2 1/4 to 1	3 Pc.
54	.109	.105	18	30	12	84	30	85 1/2	102	2 1/4 to 1	3 Pc.
60	.109×	.105×	18	33	12	87	—	—	114	2 to 1	3 Pc.
66	.109×	.105×	18	36	12	87	—	—	120	2 to 1	3 Pc.
72	.109×	.105×	18	39	12	87	—	—	126	2 to 1	3 Pc.
78	.109×	.105×	18	42	12	87	—	—	132	1 1/2 to 1	3 Pc.
84	.109×	.105×	18	45	12	87	—	—	138	1 1/2 to 1	3 Pc.
90	.109×	.105×	18	37	12	87	—	—	144	1 1/2 to 1	3 Pc.
96	.109×	.105×	18	35	12	87	—	—	150	1 1/2 to 1	3 Pc.

× EXCEPT CENTER PANEL SEE GENERAL NOTES

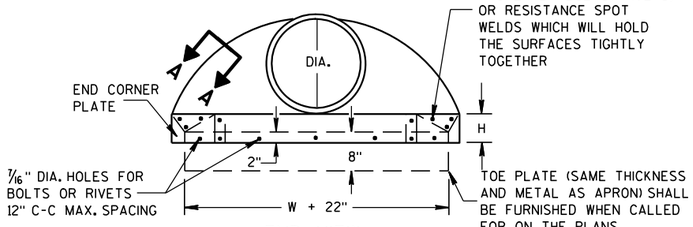
REINFORCED CONCRETE APRON ENDWALLS

PIPE DIA. (IN.)	DIMENSIONS (Inches) T	A	B	C	D	E	G	APPROX. SLOPE
12	2	4	24	48 7/8	72 1/8	24	2	3 to 1
15	2 1/4	6	27	46	73	30	2 1/4	3 to 1
18	2 1/2	9	27	46	73	36	2 1/2	3 to 1
21	2 3/4	9	36	37 1/2	73 1/2	42	2 3/4	3 to 1
24	3	9 1/2	43 1/2	30	73 1/2	48	3	3 to 1
27	3 1/4	10 1/2	49 1/2	24	73 1/2	54	3 1/4	3 to 1
30	3 1/2	12	54	19 3/4	73 1/2	60	3 1/2	3 to 1
36	4	15	63	34 3/4	97 3/4	72	4	3 to 1
42	4 1/2	21	63	35	98	78	4 1/2	3 to 1
48	5	24	72	26	98	84	5	3 to 1
54	5 1/2	27	65	* 33 1/4 - ** 35	* 98 1/4 - ** 100	90	5 1/2	2 2/5 to 1
60	6	* 30 - ** 35	60	39	99	96	5	2 to 1
66	6 1/2	* 24 - ** 30	* 72 - ** 78	* 21 - ** 27	99	102	5 1/2	2 to 1
72	7	* 24 - ** 36	78	21	99	108	6	2 to 1
78	7 1/2	* 24 - ** 36	78	21	99	114	6 1/2	2 to 1
84	8	36	90 1/2	21	111 1/2	120	6 1/2	1 1/2 to 1
90	8 1/2	41	87 1/2	24	111 1/2	132	6 1/2	1 1/2 to 1

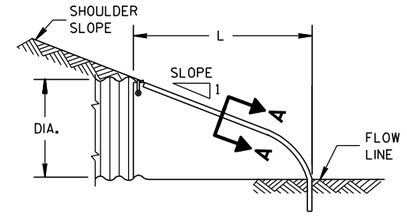
*MINIMUM
**MAXIMUM



PLAN VIEW

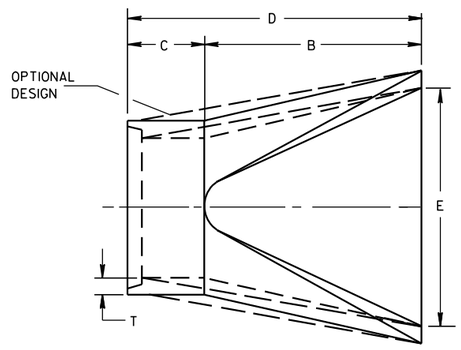


END VIEW

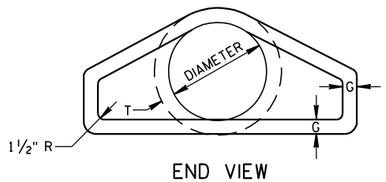


SIDE ELEVATION

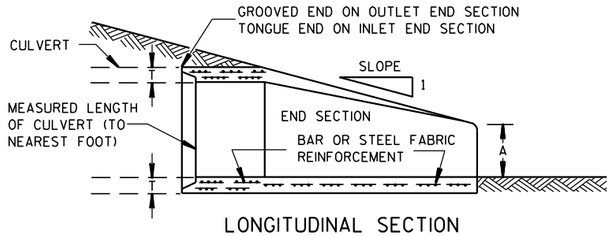
METAL ENDWALLS



PLAN

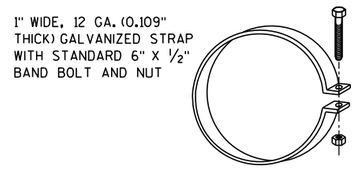


END VIEW



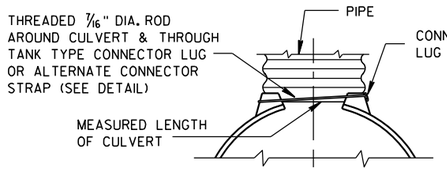
LONGITUDINAL SECTION

CONCRETE ENDWALLS

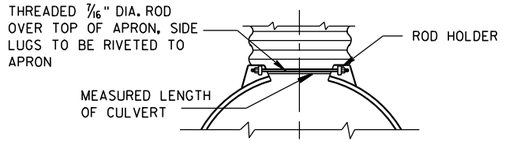


ALTERNATE FOR TYPE 1 CONNECTION

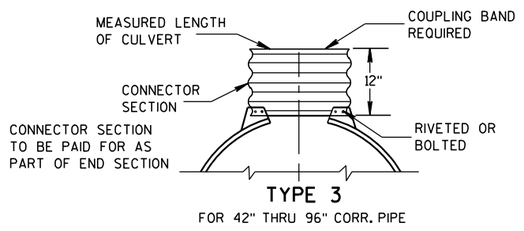
END SECTION CONNECTOR STRAP



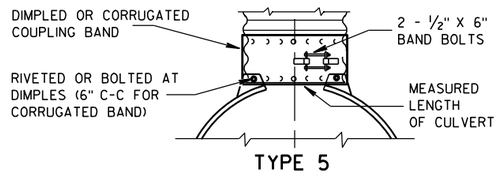
TYPE 1
FOR 12" THRU 24" CORR. PIPE



TYPE 2
FOR 30" THRU 96" CORR. PIPE



TYPE 3
FOR 42" THRU 96" CORR. PIPE



TYPE 5
ALTERNATE FOR:
ALL SIZES CORRUGATED CIRCULAR PIPE

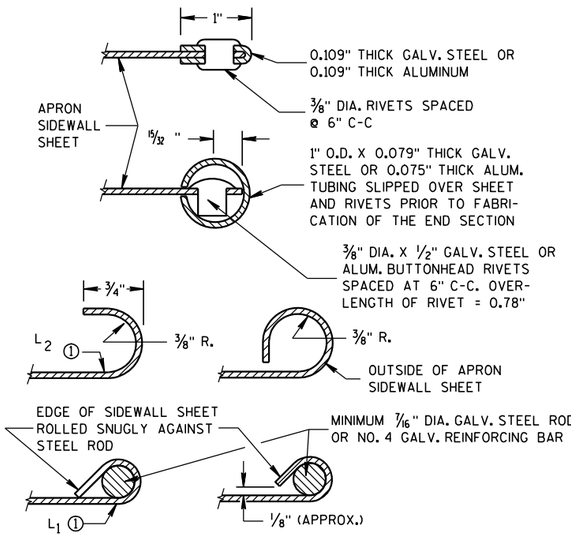
NOTE: DIMPLED BAND FITS OVER OUTSIDE OF ENDWALL. AND CORRUGATED BAND FITS INSIDE ENDWALL. DIMPLED BAND MAY BE USED WITH HELICALLY CORRUGATED PIPE.

FOR CIRCUMFERENTIALLY CORRUGATED PIPE USE ENDWALL CONNECTION DETAILS 1, 2, 3 OR 5 AS APPLICABLE.

FOR HELICALLY CORRUGATED PIPE USE ENDWALL CONNECTION DETAILS 1, 2 OR 5.

FOR HELICALLY CORRUGATED PIPES WITH TWO CIRCUMFERENTIAL CORRUGATIONS AT EACH END USE ENDWALL CONNECTION DETAILS 1, 2 OR 3.

CONNECTION DETAILS



SECTION A-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.

CONCRETE CULVERT ENDWALLS MAY NOT BE USED WITH GALVANIZED STEEL OR ALUMINUM CULVERT PIPE OR VISE VERSA. GALVANIZED STEEL OR ALUMINUM ENDWALLS SHALL NORMALLY BE INSTALLED ON CULVERT PIPE OF THE SAME METAL.

ALL THREE PIECE STEEL APRON ENDWALLS FOR 60" DIAMETER PIPE AND LARGER SHALL HAVE 0.109" SIDES AND 0.138" CENTER PANELS. ALL THREE PIECE ALUMINUM APRON ENDWALLS FOR 60" DIAMETER PIPE AND LARGER SHALL HAVE 0.105" SIDES AND 0.134" CENTER PANELS. THE WIDTH OF CENTER PANELS SHALL BE GREATER THAN 20 PERCENT OF THE PIPE PERIMETER.

LAP SEAMS SHALL BE TIGHTLY JOINED BY GALVANIZED RIVETS OR BOLTS FOR STEEL UNITS AND ALUMINUM RIVETS AND BOLTS FOR ALUMINUM UNITS. FOR THE 60" THROUGH 96" DIAMETER APRON ENDWALL SIZES, THE REINFORCED EDGES AND CENTER PANEL SEAMS SHALL BE FURTHER REINFORCED WITH GALVANIZED STEEL OR ALUMINUM STIFFENER ANGLES. THE ANGLES SHALL BE ATTACHED BY GALVANIZED NUTS AND BOLTS FOR STEEL UNITS AND ALUMINUM NUTS AND BOLTS FOR ALUMINUM UNITS.

WHERE TWO OR MORE PIPES WITH APRON ENDWALLS ARE LAID ADJACENT TO EACH OTHER, THEY SHALL BE SEPARATED BY A DISTANCE SUFFICIENT TO PROVIDE A MINIMUM CLEARANCE OF 6 INCHES BETWEEN APRON ENDWALLS.

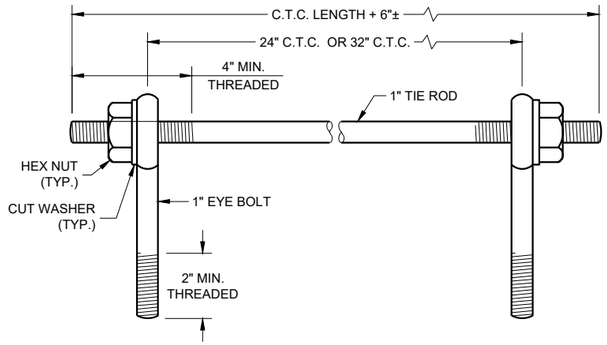
① FOR PIPE SIZES UP TO 60" DIAMETER, A 180° ROLLED EDGE MAY BE USED INSTEAD OF STEEL ROD REINFORCEMENT. SEE SECTION A-A.

APRON ENDWALLS FOR CULVERT PIPE

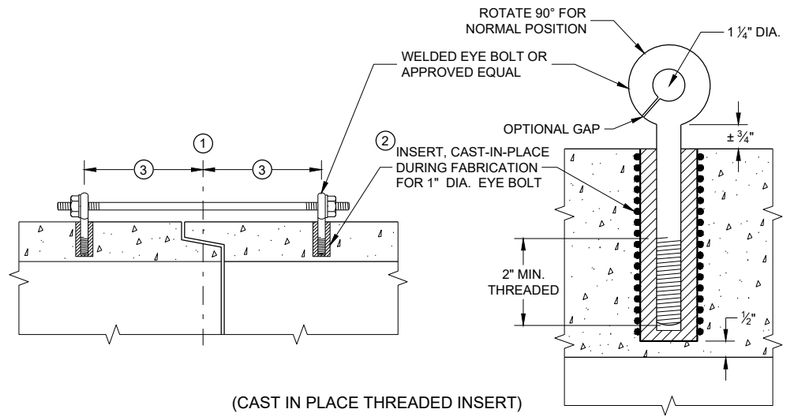
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
11/30/94 DATE
/S/ Rory L. Rhinesmith
CHIEF ROADWAY DEVELOP 225 NEER
FHWA

6
S.D.D. 8 F 1-11



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.

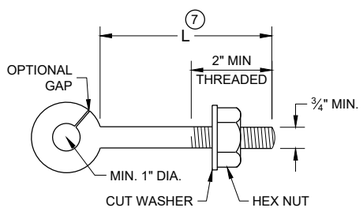
(3) HOLES SHALL BE CAST-IN-PLACE OR DRILLED PER THE APPLICABLE DETAIL, AND EQUAL DISTANCE FROM THE CENTERLINE OF THE JOINT.

(4) BOLT PROJECTION INSIDE OF PIPE SHALL NOT EXCEED 2 INCHES.

(5) OPENING TO BE ROD DIAMETER PLUS 1 INCH.

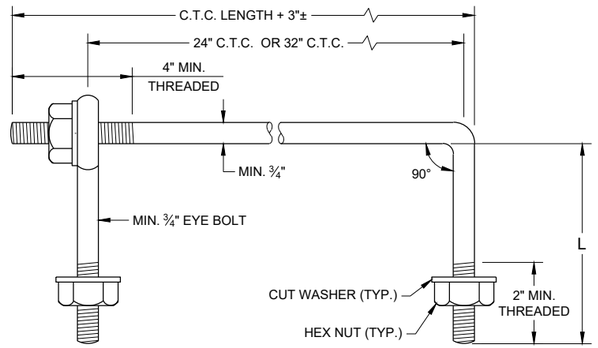
(6) LENGTH ADEQUATE TO EXTEND TO WITHIN ½ INCH OF THE INNER SURFACE OF THE PIPE.

(7) EYE BOLT LENGTH DETERMINED BY WALL THICKNESS, BELL THICKNESS AND BOLT PROJECTION INSIDE PIPE.

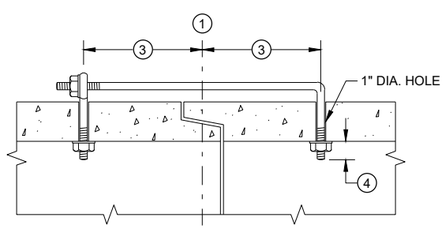


EYE BOLT (7)

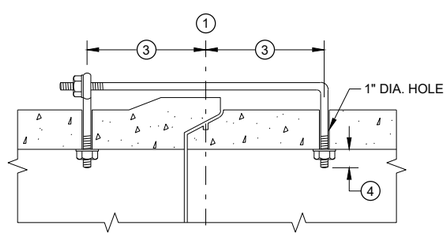
NOTE: TWO EYE BOLTS MAY BE USED WITH A 30" OR 38" LONG THREADED ROD IN LIEU OF THE 90° BENT TIE ROD.



EYE BOLT AND TIE ROD



(TONGUE AND GROOVE PIPE)



(MODIFIED BELL PIPE)

LONGITUDINAL SECTION

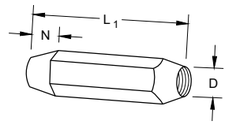
(JOINT TIES FOR 18" TO 66" DIA. CONCRETE PIPE)

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



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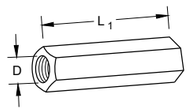
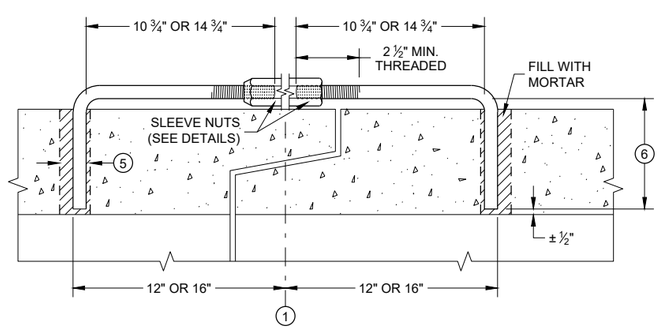


PLAIN

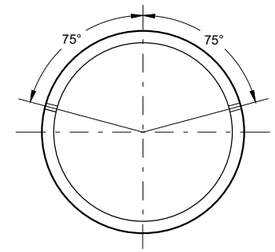
RIGHT AND LEFT THREADS

SLEEVE NUTS



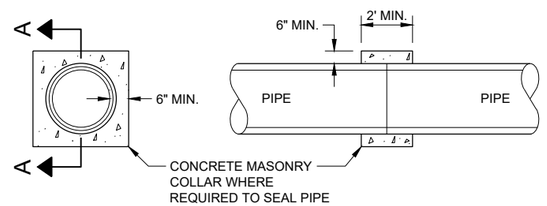
LONGITUDINAL SECTION

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

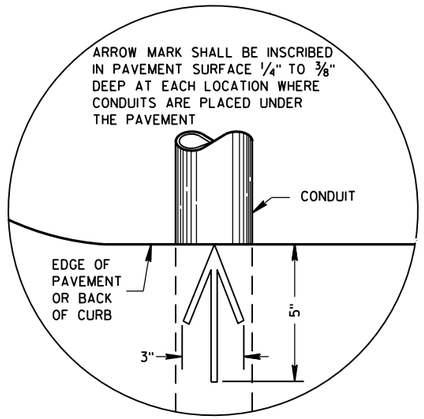
JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2021 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVE ENGINEER
FHWA

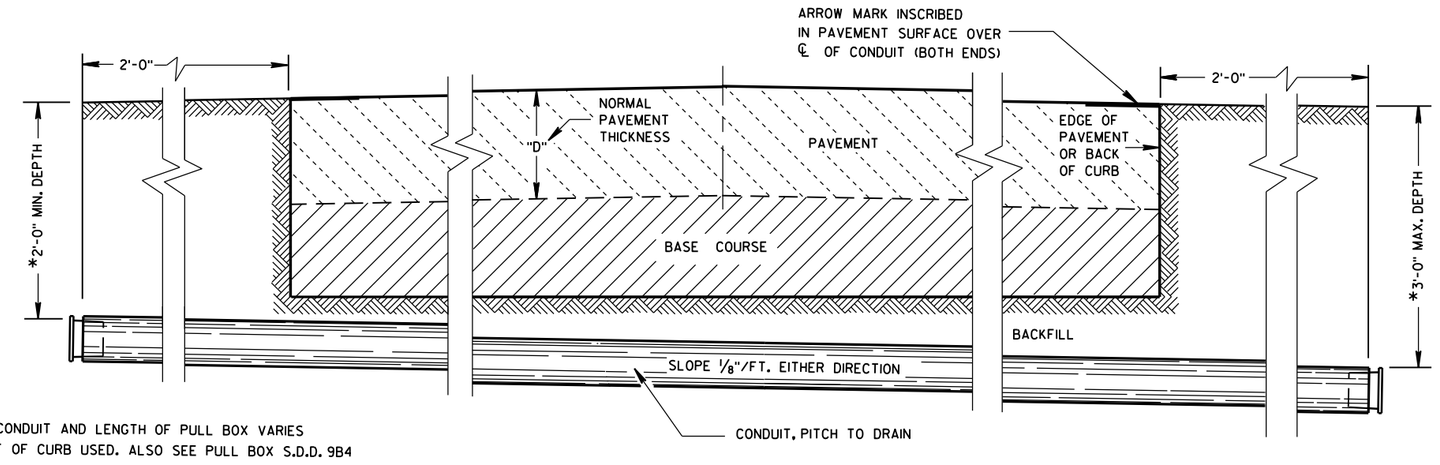
SDD 08F04 - 08

SDD 08F04 - 08



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 227
FHWA

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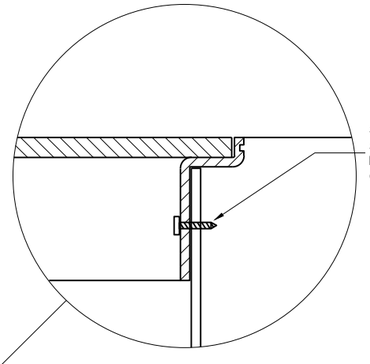
S.D.D. 9 B 2-10

TABLE OF NOMINAL DIMENSIONS
AND WEIGHTS

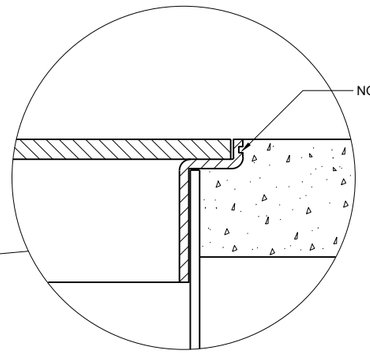
DIMENSION IN INCHES		NON- CONDUCTIVE PULL BOX	
BOX DIAMETER ** (INSIDE)	A	24	24
BOX OVERALL OUTSIDE DIAMETER	B	27	27
BOX LENGTH	C	36	42
FRAME OPENING	D	22 ½	22 ½
WEIGHT IN POUNDS *			
COVER		50	50
BOX ONLY		75	85

*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

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".

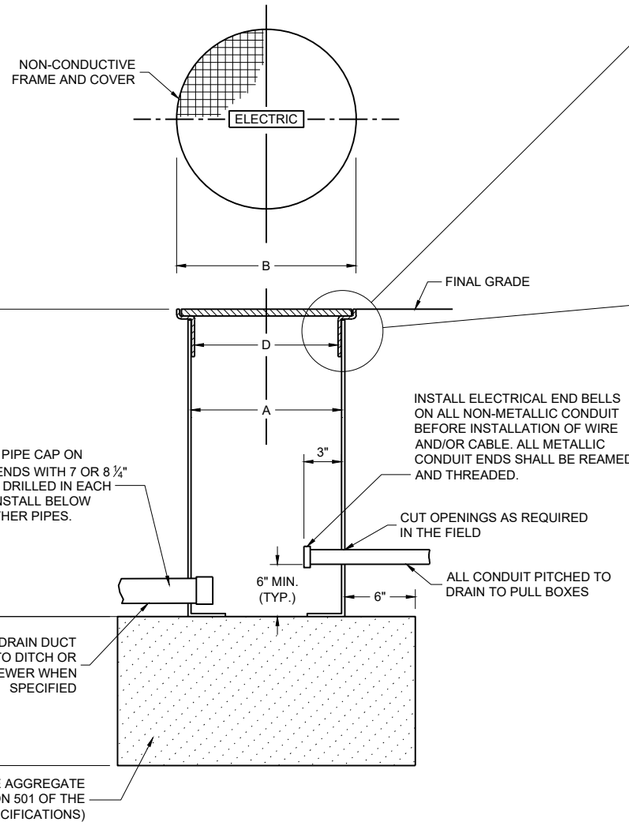
THE CONTRACTOR SHALL NOT INSTALL WIRE IN ANY PULL BOX UNTIL ITS INSTALLATION HAS BEEN INSPECTED AND ACCEPTED BY THE ENGINEER.

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

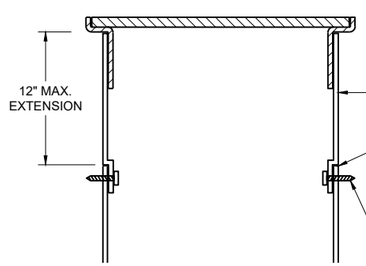
ENTIRE BOX MUST BE CONSTRUCTED OF NON-CONDUCTIVE MATERIALS WITH THE EXCEPTION OF STAINLESS STEEL FASTENERS AND MAGNETIC LOCATABLE DEVICE.

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.

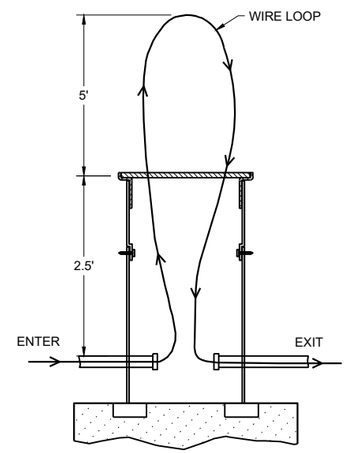
LABEL ON COVER SHALL READ "ELECTRIC" FOR SIGNAL AND LIGHTING SYSTEMS, "WISDOT ITS" FOR COMMUNICATIONS AND ITS EQUIPMENT SYSTEMS.



NON-CONDUCTIVE PULL BOX



BOX EXTENSION



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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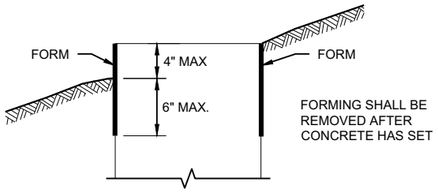
SDD 09B16-03

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.

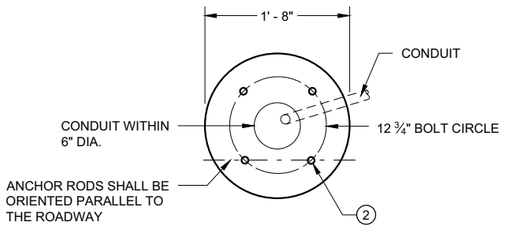
WASHERS AND LOCK WASHERS ARE REQUIRED ON ALL ANCHOR RODS.

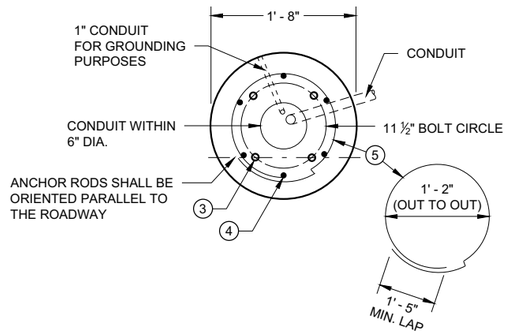
WHEN ANCHOR RODS USING THE ALTERNATE "L" BEND ARE FURNISHED, THE 4 INCH"L" BEND SHALL BE IN ADDITION TO THE SPECIFIED ANCHOR ROD BAR LENGTH. THE "L" BEND SHALL NOT BE THREADED.

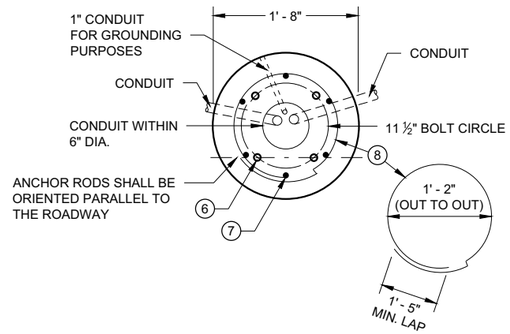
ANCHOR RODS SHALL BE INSTALLED WITH MISALIGNMENTS OF LESS THAN 1:40 FROM VERTICAL.

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

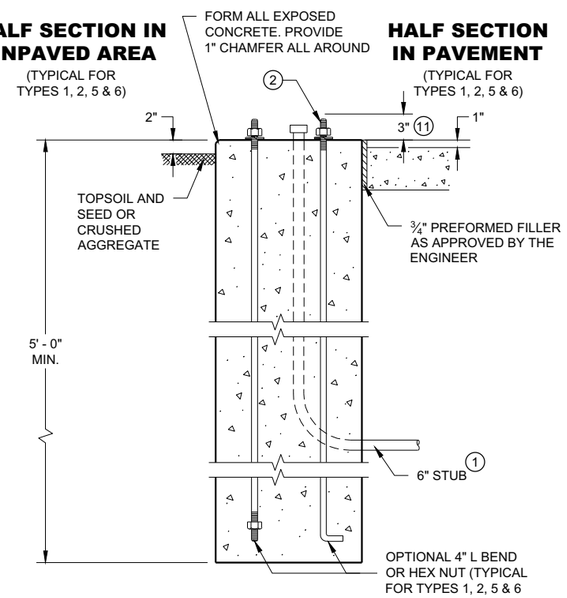
10 ⅝" DIA. X 8' -0" COPPERCLAD EQUIPMENT GROUNDING ELECTRODE REQUIRED

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.

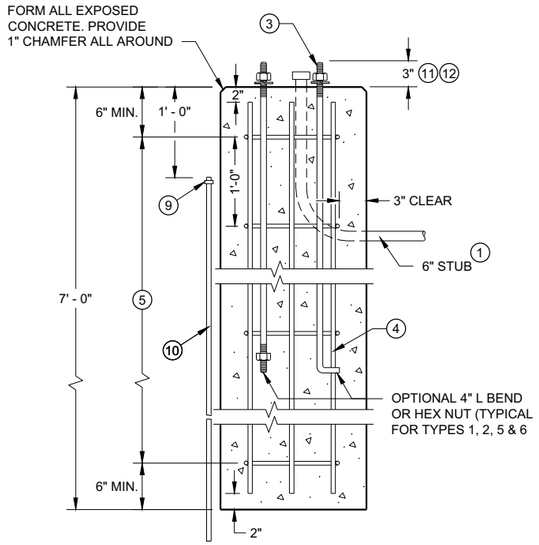
12 FOR NON - BREAKAWAY INSTALLATIONS, 4 ½" ± ANCHOR ROD PROJECTION WITH THE USE OF LEVELING NUTS. RODENT SCREEN REQUIRED.

HALF SECTION IN UNPAVED AREA
(TYPICAL FOR TYPES 1, 2, 5 & 6)

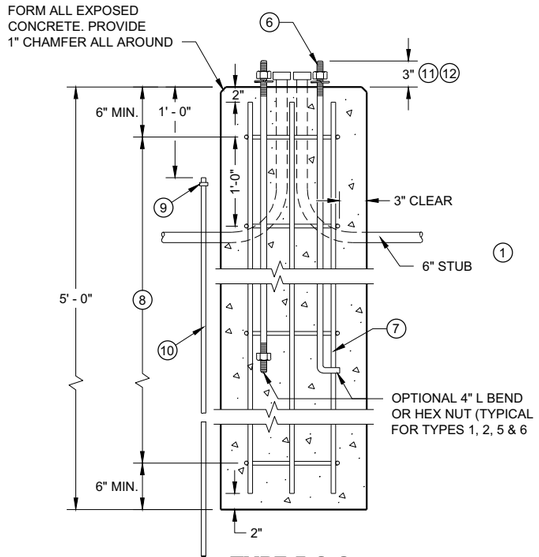
HALF SECTION IN PAVEMENT
(TYPICAL FOR TYPES 1, 2, 5 & 6)



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

FHWA

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SDD 09C02 - 09

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.

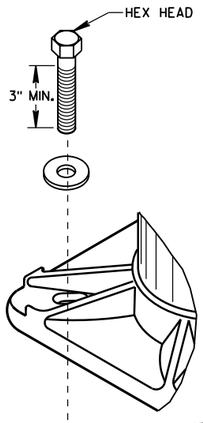
THE MECHANICAL CONNECTOR SHALL BE INSTALLED USING A 1/4" - 20 (TPI) STAINLESS STEEL HEX HEAD BOLT OF SUFFICIENT LENGTH TO FIRMLY ATTACH THE LUG TO THE BASE.

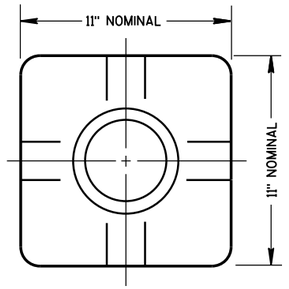
SHOULD THE MANNER OF ATTACHMENT OF THE LUG REQUIRE WASHERS, HEX NUTS, LOCK WASHER - THEY SHALL BE STAINLESS STEEL AS IS THE BOLT. THE MANNER OF ATTACHMENT SHALL NOT BLOCK ACCESSIBILITY TO WIRE PLACEMENT IN THE CONNECTOR.

PEDESTAL BASE COLLAR THREADING SHALL BE TAPERED AND IN ACCORDANCE WITH NATIONAL PIPE THREADING DIMENSIONS.

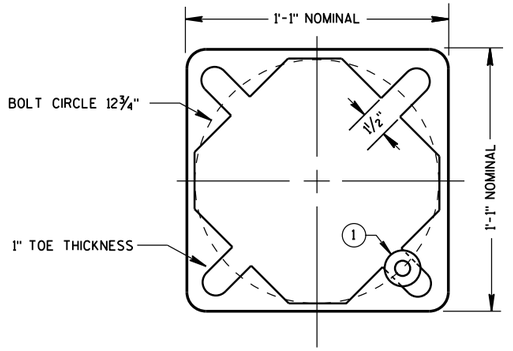
BASE COLLAR THREADING SHALL EXTEND INTO THE BASE COLLAR WITH SUFFICIENT DEPTH TO ACCEPT THE INSTALLATION OF TRAFFIC SIGNAL STANDARDS TO A DEPTH OF 1 1/2", THEN TIGHTENING TO A POINT OF BEING IMMOVABLE.

THE ACCESS DOOR SHALL BE OF THE SAME MATERIAL AS THE BASE.

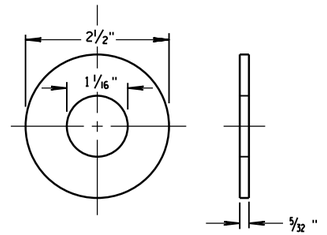




TOP VIEW
(PEDESTAL BASE)

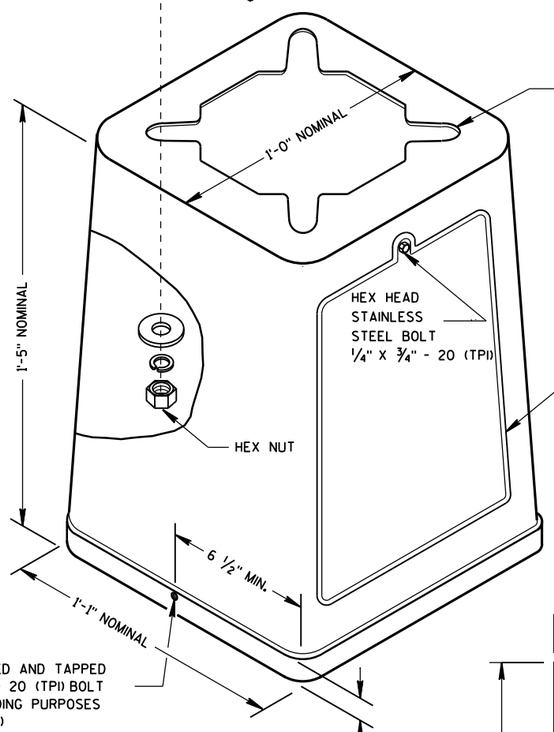


BOTTOM VIEW
(PEDESTAL BASE)

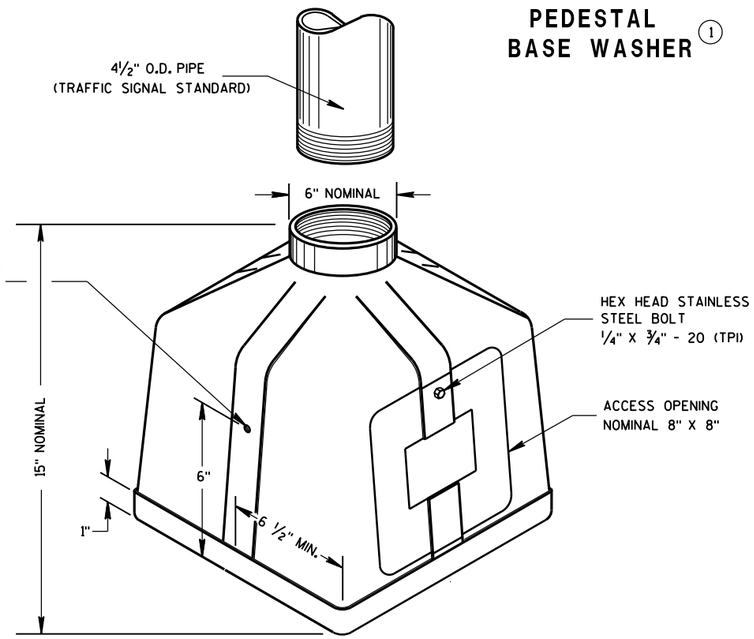


ZINC COATED STEEL WASHER
TO BE PROVIDED BY THE CONTRACTOR

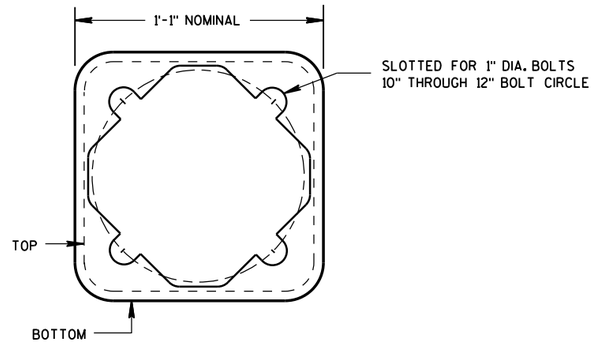
PEDESTAL BASE WASHER (1)



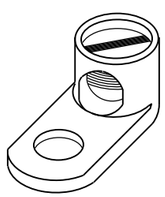
ISOMETRIC VIEW



ISOMETRIC VIEW
PEDESTAL BASE

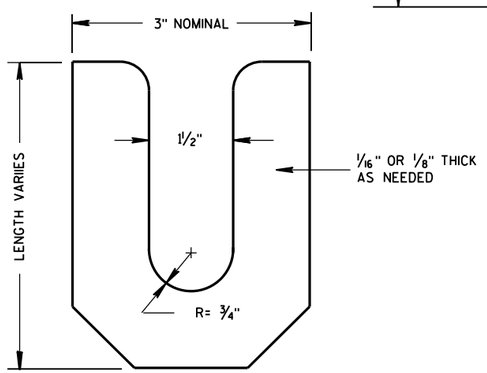


BOTTOM VIEW
(TRANSFORMER BASE)



TYPICAL MECHANICAL CONNECTOR LUG
TO BE FURNISHED WITH EACH BASE

TRANSFORMER BASE
INTENDED FOR USE WITH TYPE 2, 3, 4, 5 & 6 POLES

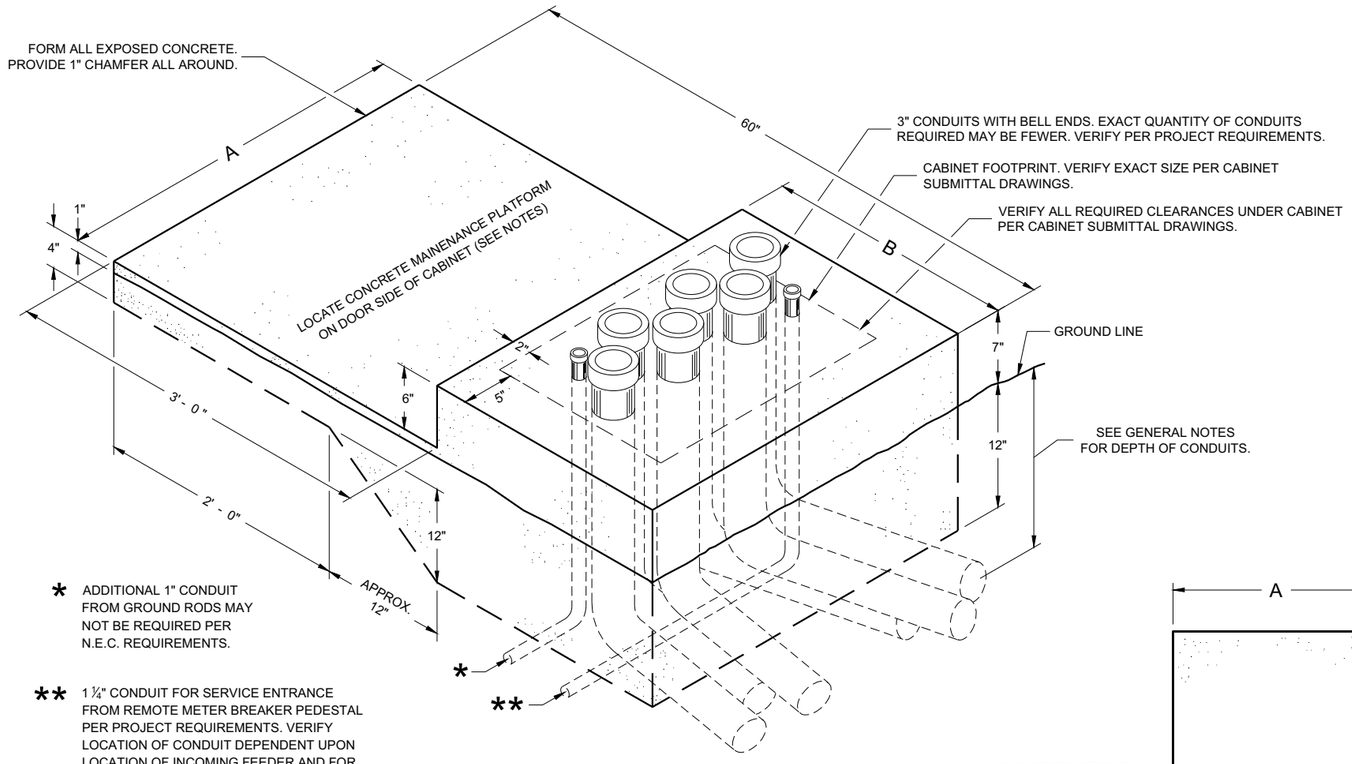


LEVELING SHIM

TRANSFORMER/PEDESTAL BASES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept. 2014 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL
FHWA



* ADDITIONAL 1" CONDUIT FROM GROUND RODS MAY NOT BE REQUIRED PER N.E.C. REQUIREMENTS.

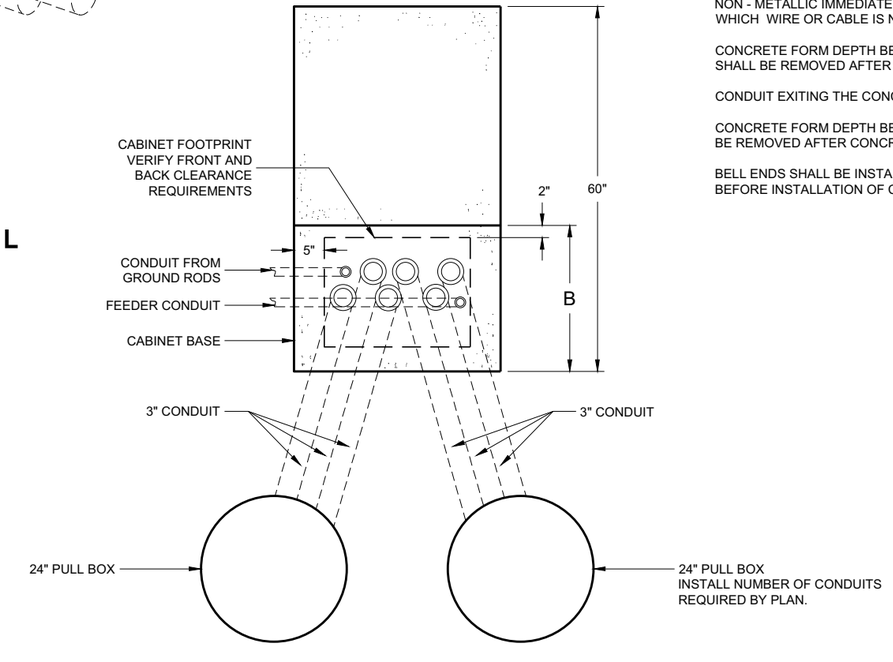
** 1 ¼" CONDUIT FOR SERVICE ENTRANCE FROM REMOTE METER BREAKER PEDESTAL PER PROJECT REQUIREMENTS. VERIFY LOCATION OF CONDUIT DEPENDENT UPON LOCATION OF INCOMING FEEDER AND FOR EASE OF CONNECTION TO LOAD CENTER.

ISOMETRIC VIEW

CONCRETE CONTROL CABINET BASE, TYPE L

(C.Y. CONCRETE = APPROX. 0.4)

CONCRETE BASE TYPE	CABINET WIDTH	DIMENSIONS		MAXIMUM 3" CONDUITS
		A	B	
L24	24"	34"	24"	4
L30	30"	40"	24"	6



PLAN VIEW

CONCRETE CONTROL CABINET BASE, TYPE L

GENERAL NOTES

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

INSTALL FOUR STAINLESS STEEL APPROVED CONCRETE MASONRY ANCHORS TO ANCHOR THE CABINET BASES. THE ANCHORS 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.

LOCATIONS SHALL BE AS SHOWN ON THE PLANS UNLESS DETERMINED BY THE ENGINEER IN THE FIELD.

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 SHALL TERMINATE IN PULL BOXES AS SHOWN ON THE PLANS.

CONCRETE FORM DEPTH BELOW FINISHED GRADE SHALL BE 6 INCH MAXIMUM. CONCRETE FORMS SHALL BE REMOVED AFTER CONCRETE HAS SET.

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 L

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2018
DATE

/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI 231

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SDD 09C14 - 03

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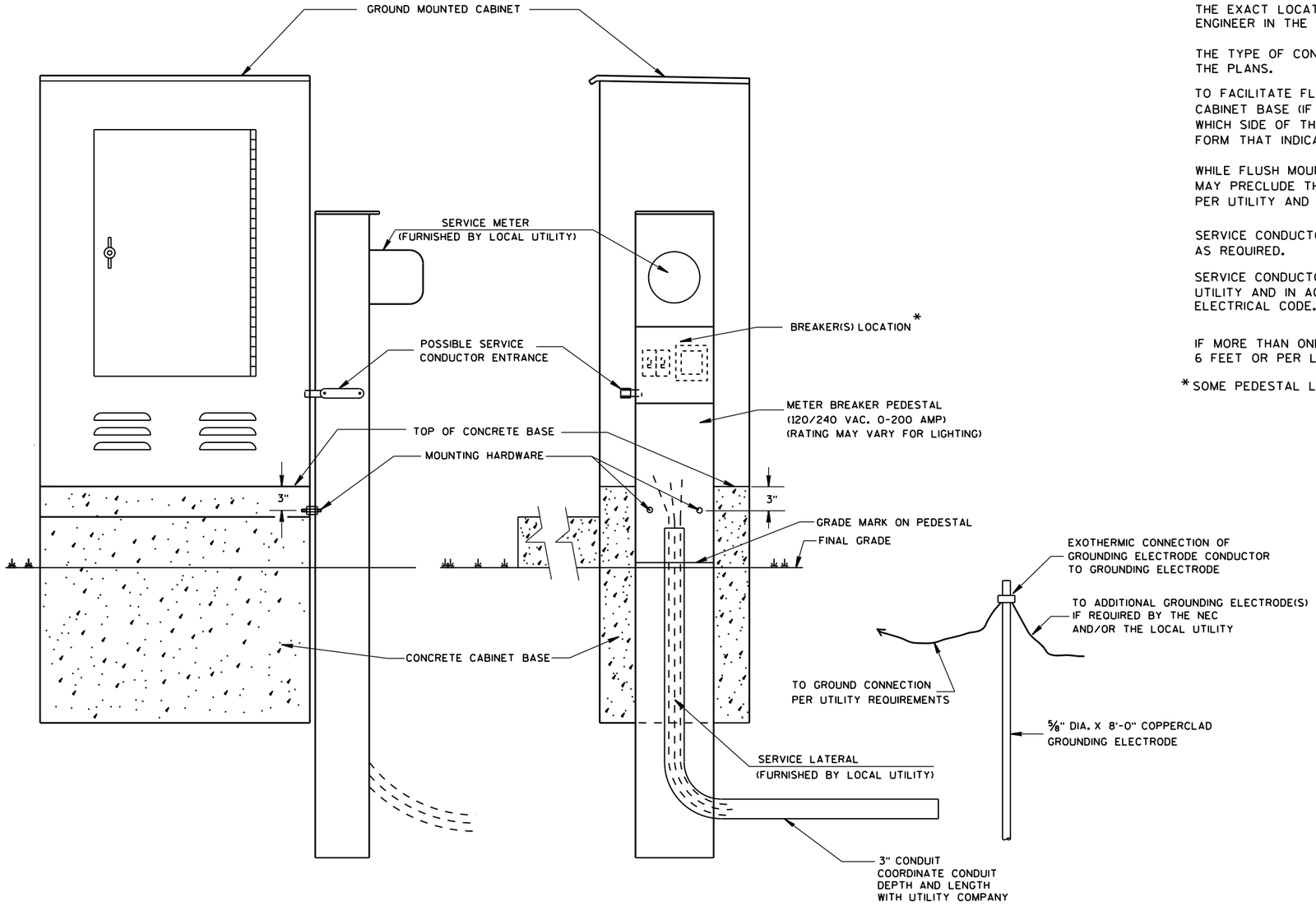

TYPICAL CABINET SERVICE INSTALLATION

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
FHWA

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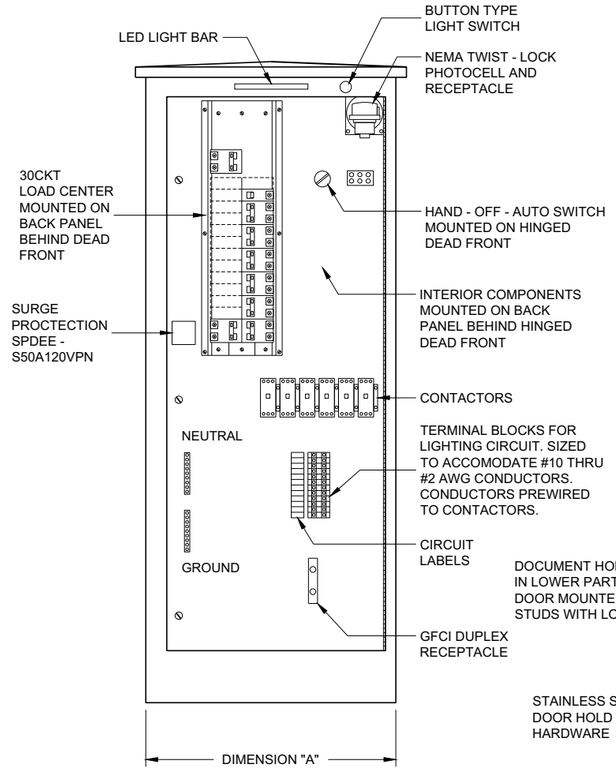
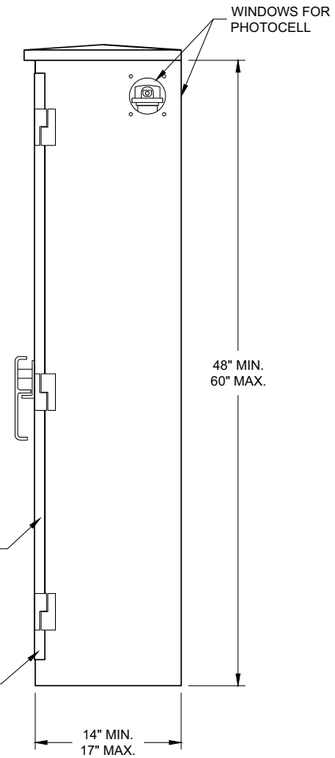
S.D.D. 9 D 1-5

FRONT INTERIOR ELEVATION



SIDE VIEW



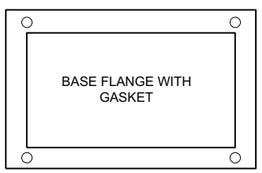
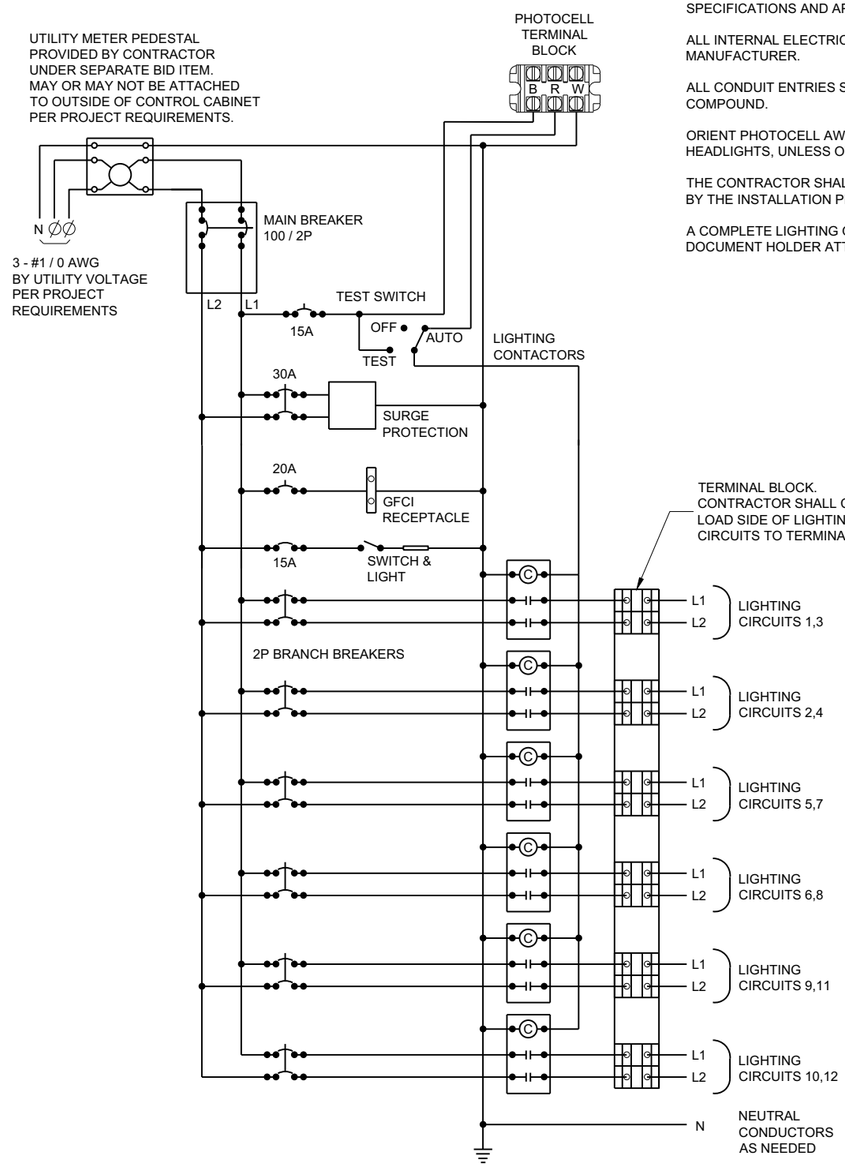


TABLE OF DIMENSIONS (INCHES)		
CONCRETE BASE TYPE	CABINET WIDTH	DIMENSION "A"
L24	24"	24"
L30	30"	30"

LIGHTING CONTROL CABINET



CONTROL CABINET SCHEMATIC

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.

ALL INTERNAL ELECTRICAL COMPONENTS WILL BE PRE - WIRED BY THE CABINENT MANUFACTURER.

ALL CONDUIT ENTRIES SHALL BE SEALED WITH AN APPROPRIATE DUCT SEALING COMPOUND.

ORIENT PHOTOCELL AWAY FROM AMBIENT LIGHT SOURCES AND ONCOMING TRAFFIC HEADLIGHTS, UNLESS OTHERWISE CALLED FOR IN THE SPECIAL PROVISION.

THE CONTRACTOR SHALL TOUCH UP ANY DAMAGE TO THE ANODIZED FINISH CAUSED BY THE INSTALLATION PROCESS. COLOR MATCH PAINT SHALL BE USED.

A COMPLETE LIGHTING OR ELECTRICAL PLAN SHALL BE SECURELY PLACED IN THE DOCUMENT HOLDER ATTACHED TO THE DOOR.

LIGHTING CONTROL CABINET
120 / 240 VOLT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2018
DATE

/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI 233

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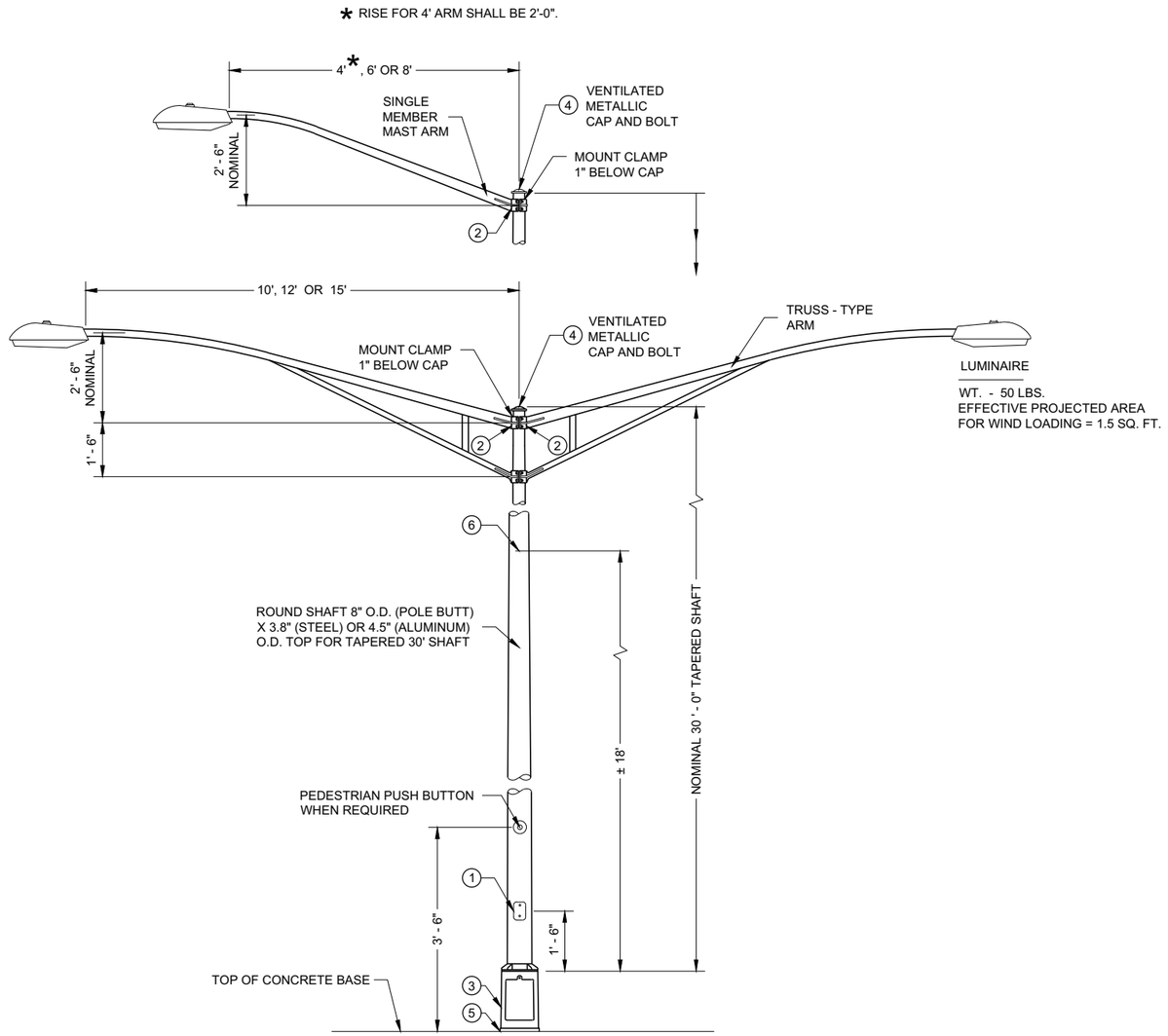


TYPE 5 POLE MOUNTING CONFIGURATION

(MAXIMUM LOAD)

LIGHTING ONLY

GENERAL NOTES

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

SECTION 657, POLES, OF THE STANDARD SPECIFICATIONS SHALL APPLY TO THIS DRAWING.

ALL TYPE 5 POLE MOUNTINGS SHALL BE DESIGNED TO INCLUDE TWIN 15' ARMS WITH LUMINAIRES.

POLES SHALL BE GALVANIZED STEEL OR ALUMINUM, AS CALLED FOR IN THE CONTRACT.

TYPE 5 ALUMINUM POLES SHALL BE CONSTRUCTED OF 6063 - T6 ALUMINUM ALLOY. SLEEVING INSIDE THE POLE IS NOT ACCEPTABLE.

TYPE 5 ALUMINUM POLES SHALL HAVE A MINIMUM WALL THICKNESS OF 0.1888".

TYPE 5 STEEL POLES SHALL HAVE A MINIMUM WALL THICKNESS OF U.S. STANDARD 11 GAGE (0.1196").

THE SLIPFITTER END OF THE LUMINAIRE MAST ARM SHALL BE A NOMINAL 2 ⅜ INCHES IN OUTSIDE DIAMETER. THE STRAIGHT PORTION OF THE SLIPFITTER END OF THE LUMINAIRE MAST ARM SHALL BE A NOMINAL 12 INCHES IN LENGTH.

WHEN TRANSFORMER BASES ARE USED, WIRE CONNECTIONS SHALL BE MADE IN THE TRANSFORMER BASE.

(1) 4" X 6" REINFORCED HANDHOLE AND COVER ASSEMBLY WITH TWO (2) ¼" X ¾" - 20 TPI , STAINLESS STEEL, HEX HEAD BOLTS.

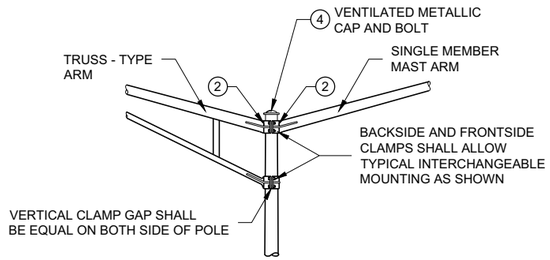
(2) GROMMETS. 1" CHASE NIPPLES OR 1" CLOSE CONDUIT NIPPLES WITH BUSHINGS SHALL BE PROVIDED FOR 1 ⅜" HOLE IN POLE SHAFT FOR WIRING.

(3) CAST ALUMINUM TRANSFORMER BASE, WHEN REQUIRED.

(4) FURNISH AND INSTALL VENTILATED, CAST METALLIC (ALUMINUM ALLOY) CAPS. FASTEN CAPS WITH ONE (1) ¼" X ¾" - 20 TPI STAINLESS STEEL, HEX HEAD BOLT.

(5) SHIMMING, IF NEEDED, SHALL BE LOCATED BETWEEN THE CONCRETE FOUNDATION AND POLE.

(6) INTERNAL DUMBBELL - TYPE VIBRATION DAMPER.



INTERCHANGEABLE MOUNTING DETAIL

POLE MOUNTINGS FOR LIGHTING UNITS, TYPE 5 (30 FEET)

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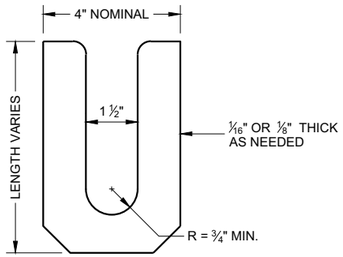
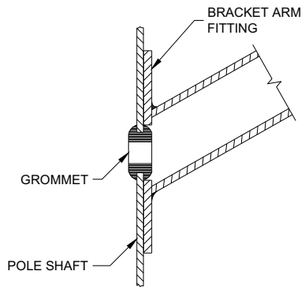
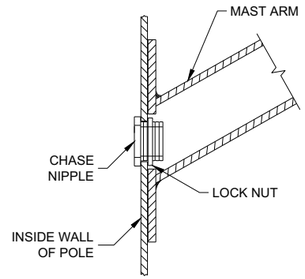


LEVELING SHIM (1)
SHALL BE ALUMINUM



TYPICAL APPLICATION OF GROMMET IN POLE SHAFT



TYPICAL APPLICATION OF CHASE NIPPLE IN POLE SHAFT

GENERAL NOTES

CLAMP BOLT-NUT TIGHTENING TORQUE SHALL BE INDICATED BY INDENT STAMPING (1/2 INCH NUMERALS AND LETTERS) OR WEATHERPROOF PRINTING ON THE INSIDE OF THE CLAMP THAT IS WELDED TO THE ARM MEMBER.

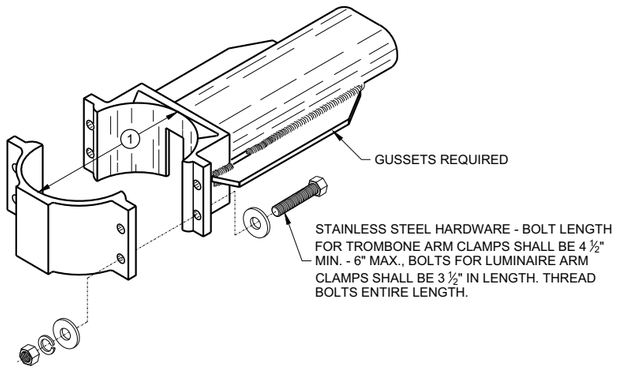
(1) 4.5" I.D. FOR LUMINAIRE MAST ARM CLAMP. 6.625" I.D. FOR TROMBONE MAST ARM CLAMP.

(2) INDIVIDUAL BASE PLATE ANCHOR ROD COVERS. (4 REQUIRED)

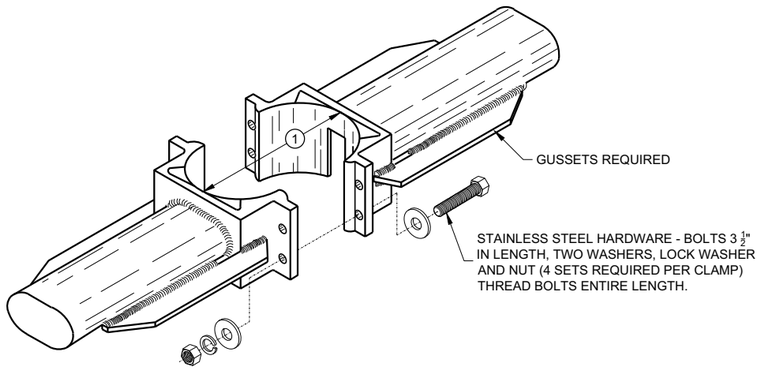
(3) BASE PLATE SLOTTED TO ACCEPT 11" THROUGH 12" BOLT CIRCLE USING 1" DIAMETER ANCHOR RODS.

(4) LEVELING SHIMS, DESIGNED FOR THE PURPOSE, SHALL BE USED WHEN PLUMBING POLES. THE USE OF WASHERS IN LIEU OF PROPER LEVELING SHIMS IS NOT ACCEPTABLE. LEVELING SHIMS SHALL BE USED ONLY BETWEEN THE TOP OF THE CONCRETE BASE AND A METALLIC BASE PLATE.

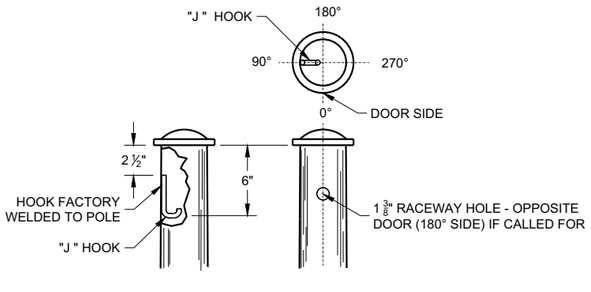
SHIMS SHALL BE LONG ENOUGH AND WIDE ENOUGH TO COMPLETELY COVER THE AREA UNDER THE LENGTH AND WIDTH OF THE BASE MOUNTING FLANGE.



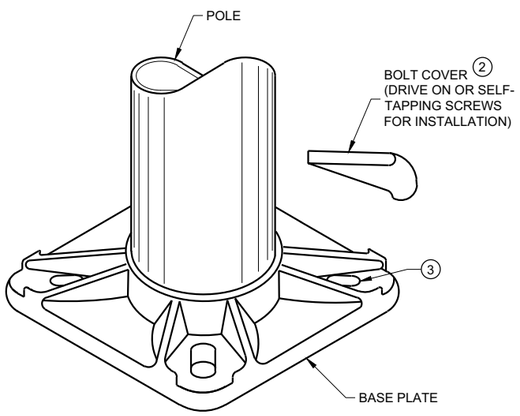
TYPICAL TROMBONE MAST ARM AND SINGLE LUMINAIRE MAST ARM MOUNTING CLAMP



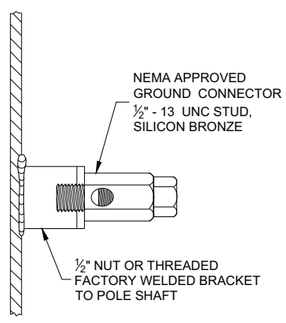
TYPICAL LUMINAIRE MAST ARM (DOUBLE) MOUNTING BRACKETS

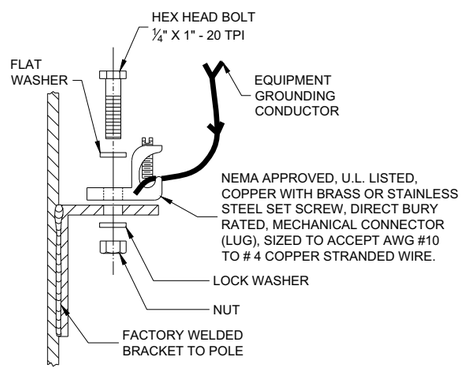


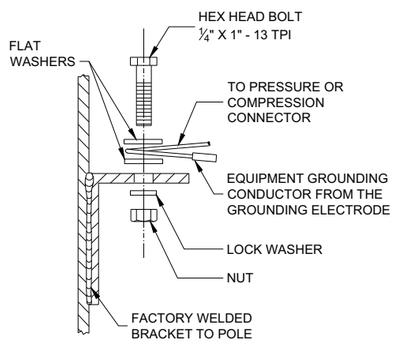
TYPICAL "J" HOOK LOCATION



BASE PLATE







TYPICAL GROUNDING CONNECTIONS
NUT, BOLT AND WASHERS SHALL BE STAINLESS STEEL

HARDWARE DETAILS FOR POLE MOUNTING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2018
DATE

/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI 235

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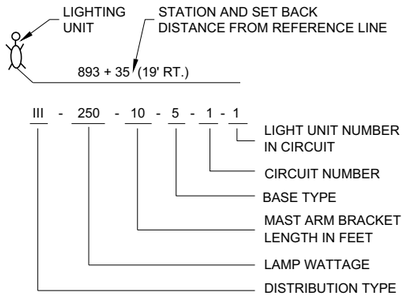
GENERAL NOTES

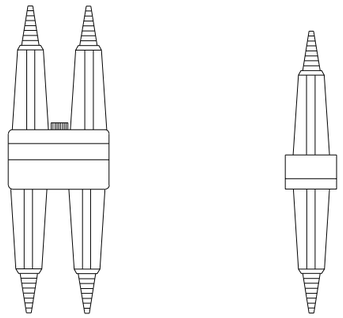
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

THE EQUIPMENT GROUND CONNECTOR SHALL BE TAPED WITH 3 WRAPS (MINIMUM) OF APPROVED RUBBER TAPE AND 3 WRAPS (MINIMUM) OF APPROVED VINYL TAPE TO COVER SHARP WIRE ENDS AFTER THE CONNECTION IS COMPLETED.

WHEN TRANSFORMER BASES ARE USED, ALL WIRING CONNECTIONS SHALL OCCUR WITHIN THE TRANSFORMER BASES.

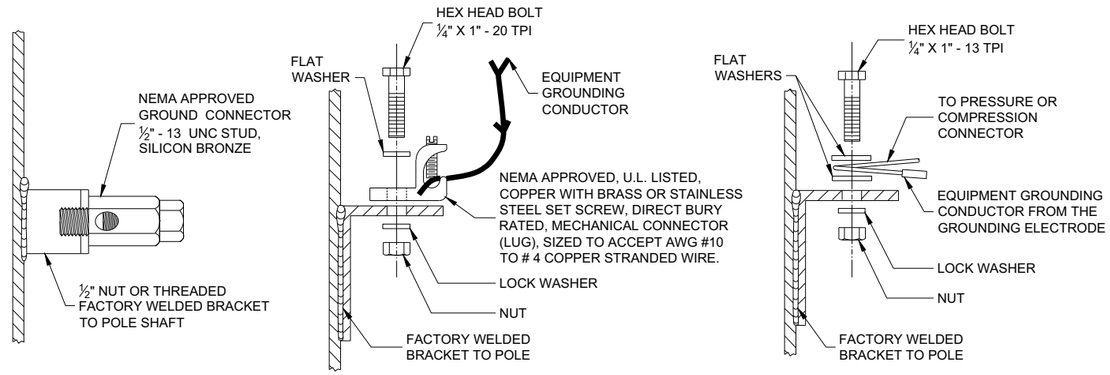


LIGHTING UNIT CODE
(TYPICAL)

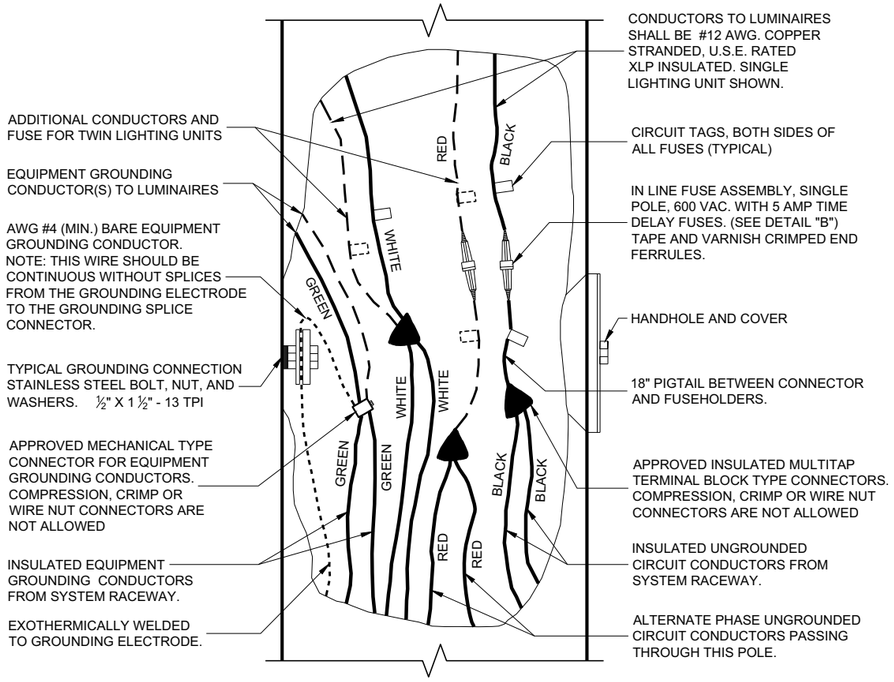


DETAIL "A"
BREAKAWAY DOUBLE POLE WITH WATERPROOF INSULATING BOOT

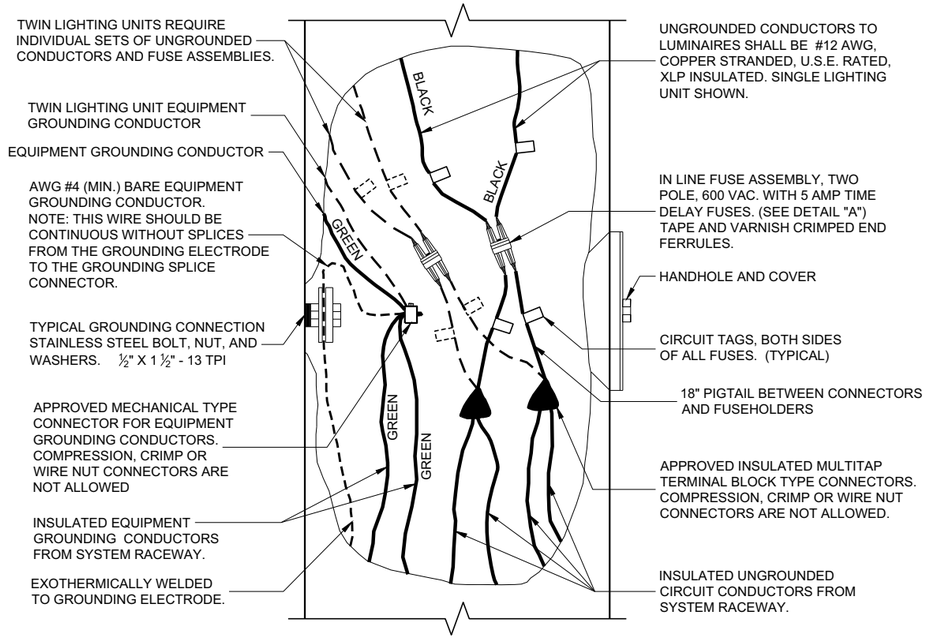
DETAIL "B"
BREAKAWAY SINGLE POLE WITH WATERPROOF INSULATING BOOT



TYPICAL GROUNDING CONNECTIONS
NUT, BOLT AND WASHERS SHALL BE STAINLESS STEEL



3 WIRE - 120, 240 OR 480 VAC (UNGROUNDED CONDUCTORS) WITH GROUNDING CONDUCTOR AND EQUIPMENT GROUNDING CONDUCTOR



2 WIRE - 240 OR 480 VAC (UNGROUNDED CONDUCTORS) WITH EQUIPMENT GROUNDING CONDUCTOR

NON - FREEWAY LIGHTING UNIT POLE WIRING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2018
DATE
/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI 236

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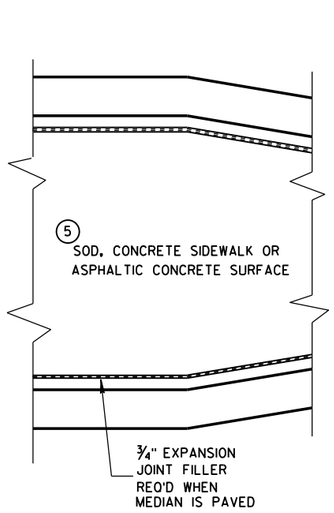
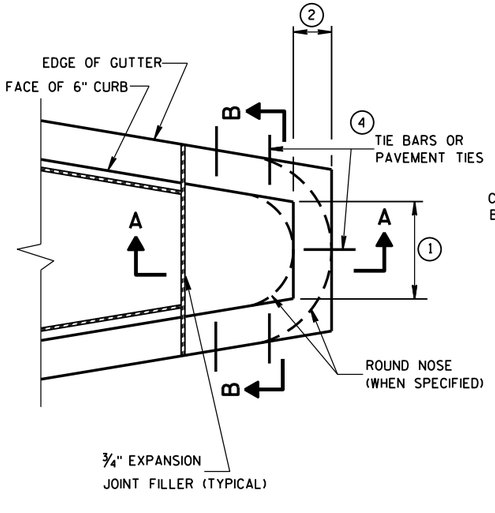
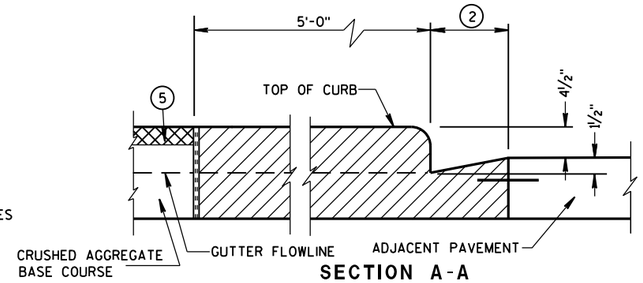
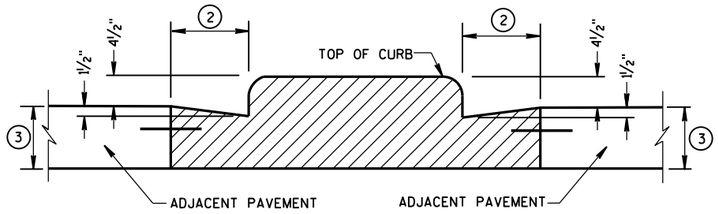






SECTION A-A



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.

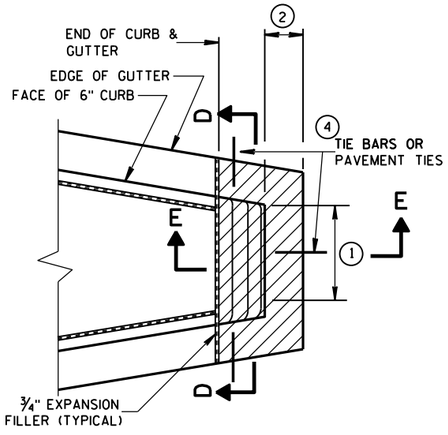
(2) ASPHALTIC CONCRETE PAVEMENT OVER NEW OR EXISTING CONCRETE BASE COURSE.

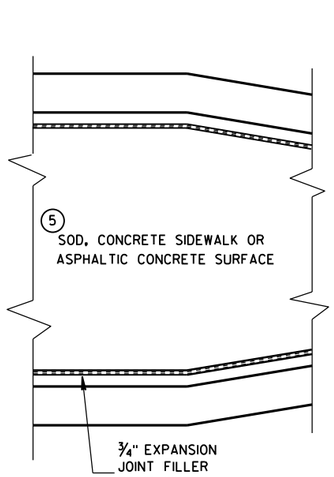
(3) ASPHALTIC CONCRETE PAVEMENT OVER CRUSHED AGGREGATE BASE COURSE.

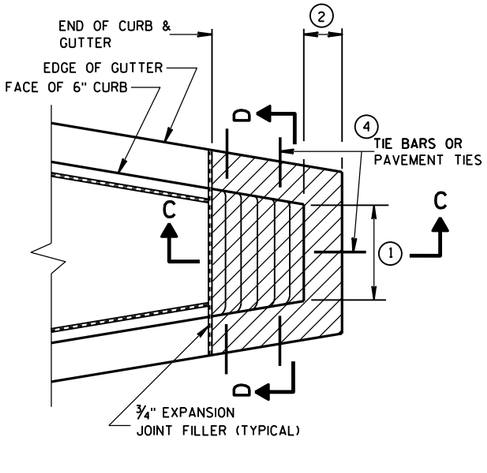
(4) TIE BARS OR PAVEMENT TIES REQUIRED IN NEW CONCRETE PAVEMENT OR CONCRETE BASE COURSE. TIE BARS SHALL BE NO. 4 X 2'-0" SPACED AT 2'-0" C-C.

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.

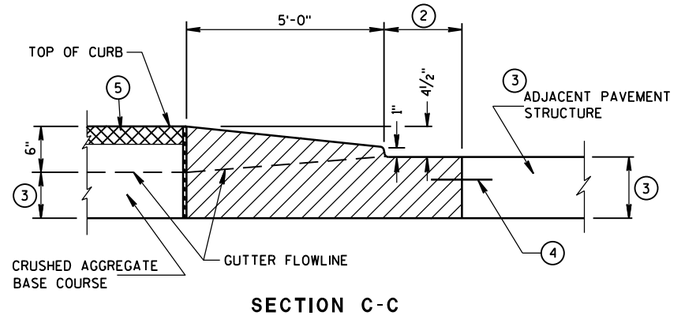
(5) SURFACE TYPE AND DETAILS ARE SHOWN ELSEWHERE IN THE PLAN.



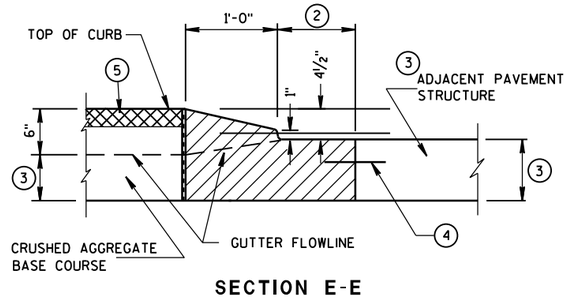




CONCRETE MEDIAN SLOPED NOSE TYPE 1

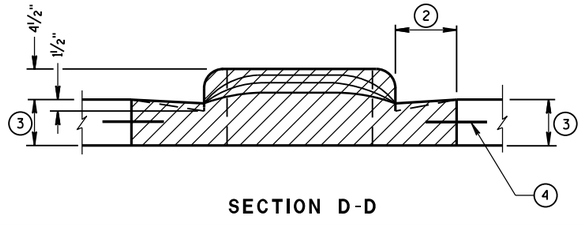


SECTION C-C



SECTION E-E

CONCRETE MEDIAN SLOPED NOSE TYPE 2



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
FHWA

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S.D.D. 11 B 2-2

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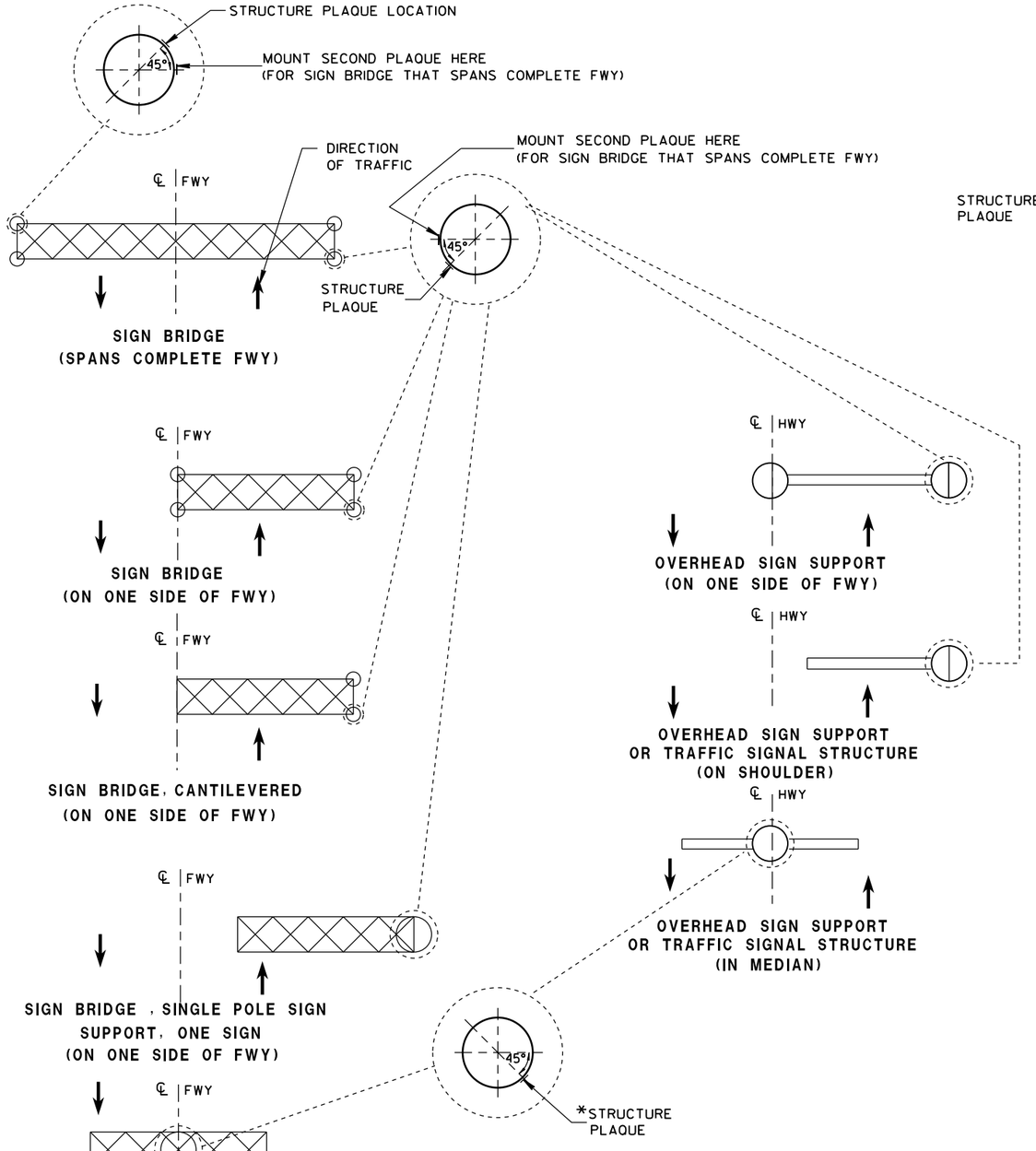
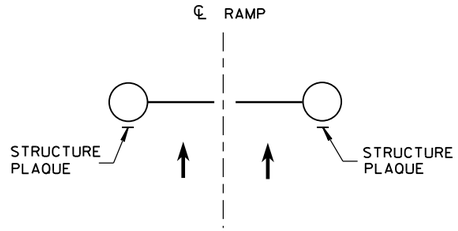
S.D.D. 11 B 2-2

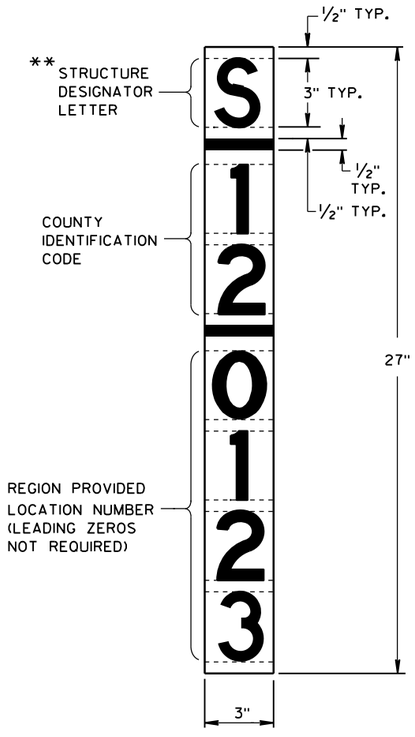


*WHEN SIGNS OR GATES FACE TRAFFIC IN ONE DIRECTION, THE PLAQUE SHALL FACE TRAFFIC IN THE SAME DIRECTION. WHEN SIGNS OR GATES ARE FACING TRAFFIC IN BOTH DIRECTIONS, THE PLAQUE SHALL FACE TRAFFIC IN THE CARDINAL DIRECTION.

LOCATION OF RAMP GATE, SIGN BRIDGE, OVERHEAD SIGN SUPPORT & TRAFFIC SIGNAL STRUCTURE PLAQUES



RAMP GATE
(ACROSS FWY ON-RAMP)



** LETTER "G" UTILIZED FOR RAMP GATES. LETTER "S" UTILIZED FOR SIGN BRIDGES, OVERHEAD SIGN SUPPORTS, AND TRAFFIC SIGNALS.

RAMP GATE, SIGN BRIDGE, OVERHEAD SIGN SUPPORT AND TRAFFIC SIGNAL STRUCTURE PLAQUE FOR SIGN BRIDGES AND OVERHEAD SIGN SUPPORT WHICH ARE NOT STRUCTURE MOUNTED

GENERAL NOTES

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

PLAQUES SHALL BE INCIDENTAL TO ALL NEW INSTALLATIONS.

IF THE PROPOSED SIGN BRIDGE OR OVERHEAD SIGN SUPPORT IS REPLACING AN EXISTING SIGN BRIDGE OR OVERHEAD SIGN SUPPORT, A NEW IDENTIFICATION PLAQUE WILL BE REQUIRED.

FASTEN TOP, CENTER AND BOTTOM OF PLAQUE TO POLE OR OTHER LOCATION AS FOLLOWS:

GALVANIZED STEEL SHAFT - 3 STAINLESS STEEL POP RIVETS

A588 STEEL SHAFT - SHIM FOR DRAINAGE WITH STAINLESS WASHERS; FASTEN WITH STAINLESS SELF-TAPPING SCREWS

ALUMINUM SHAFTS - 3 ALUMINUM POP RIVETS

MOUNTING HEIGHT SHALL BE APPROXIMATELY 5.0' ABOVE CURB OR SHOULDER. ADJUST IF IT IS KNOWN THAT REQUIRED TRAFFIC SIGNS WILL OBSTRUCT.

PLAQUE MATERIALS:

BASE - SHEET ALUMINUM, 0.060" THICK.

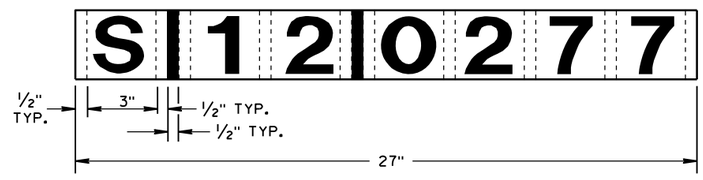
FACE - WHITE, SELF-ADHESIVE VINYL SHEETING, NON-RETROREFLECTIVE

LINES - BLACK, ½" WIDE, SELF-ADHESIVE

CHARACTERS:- BLACK, SELF ADHESIVE, SERIES "D", SIZE AS SHOWN.

FOR SIGN BRIDGES, STRUCTURE MOUNTED, THE STRUCTURE PLAQUE SHALL BE MOUNTED HORIZONTALLY AS SHOWN ON THE DRAWING. THE STRUCTURE PLAQUE SHALL BE MOUNTED HORIZONTALLY TO THE BACK OF THE SIGN, BETWEEN THE ALUMINUM EXTRUSIONS, NEAR THE TOP LEFT HAND CORNER OF THE SIGN. THE BASE MATERIAL SHALL BE OMITTED AND THE FACE ADHERED DIRECTLY TO THE ALUMINUM SURFACE. PRIOR TO ADHERING THE MATERIAL, THE ALUMINUM SURFACE SHALL BE SMOOTH, CLEAN AND DRY.

WHERE SIGN BRIDGE ILLUMINATION IS PROVIDED, THE STRUCTURE MUST ALSO HAVE A SIGN BRIDGE CIRCUIT PLAQUE AS SHOWN IN THE ELECTRICAL DETAILS.



IDENTIFICATION PLAQUE FOR SIGN BRIDGE, STRUCTURE MOUNTED

STRUCTURE IDENTIFICATION PLAQUES, RAMP GATES, SIGN BRIDGES, OVERHEAD SIGN SUPPORTS, & TRAFFIC SIGNALS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
12/4/2012 — DATE
/S/ Travis Feltes — STATE TRAFFIC ENGINEER
FHWA

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S.D.D. 12 A 4-3

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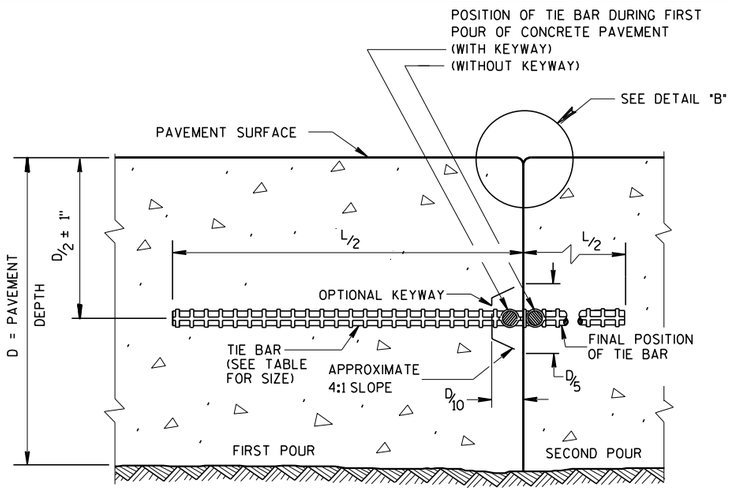
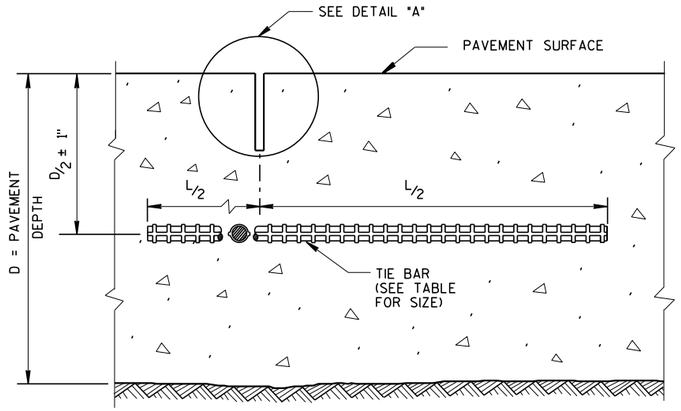
S.D.D. 12 A 4-3



CONSTRUCTION JOINT



SAWED JOINT

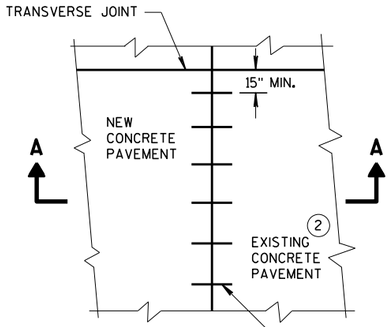
GENERAL NOTES

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

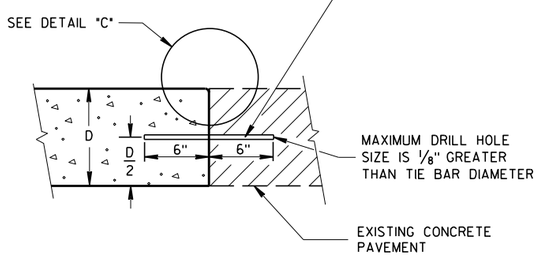
CORRELATE LONGITUDINAL JOINTS WITH LANE LINES WHEN POSSIBLE.

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

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

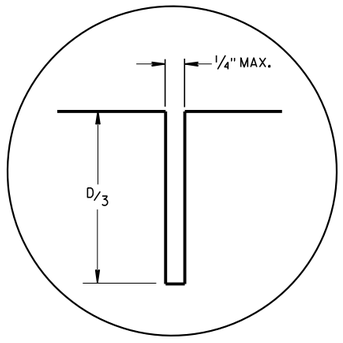


PLAN VIEW

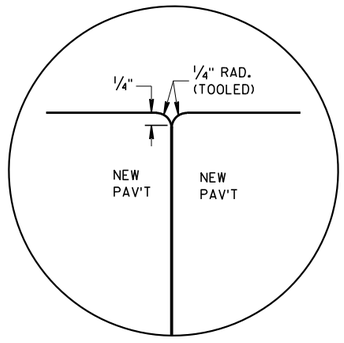


SECTION A-A

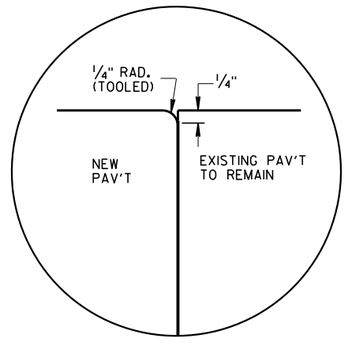
LONGITUDINAL CONSTRUCTION JOINT TIE BARS ANCHORED INTO EXISTING PAVEMENT



DETAIL "A"



DETAIL "B"



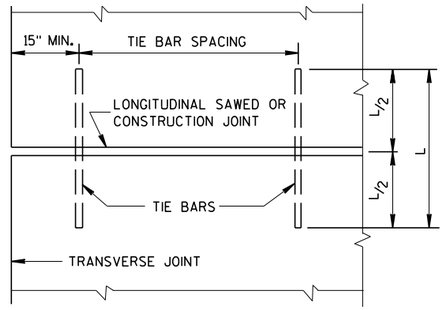
DETAIL "C"

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 Kemp PE — PAVEMENT SUPE
FHWA

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S.D.D. 13 C 1-19

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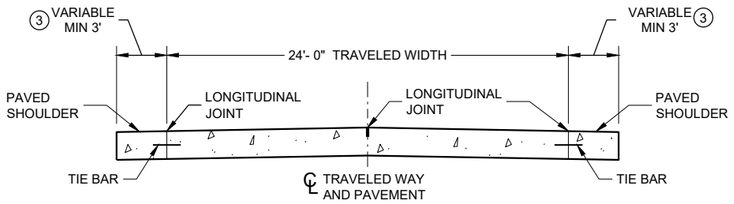
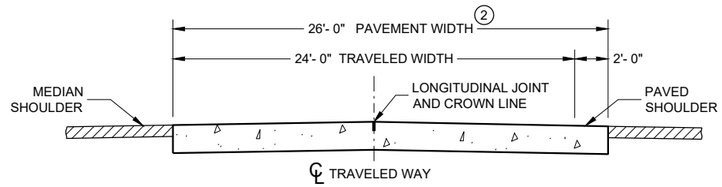
S.D.D. 13 C 1-19

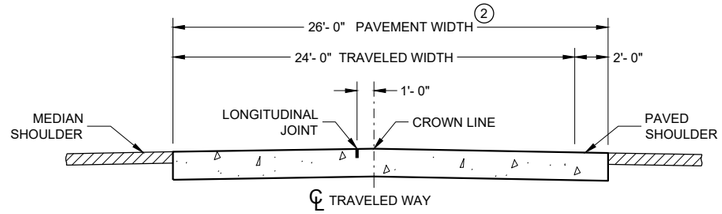


SECTION A - A

TWO-LANE TWO-WAY HIGHWAY (1)



SECTION B - B



ALTERNATIVE SECTION B - B

DIVIDED HIGHWAY (1)

GENERAL NOTES

CONTRACTION JOINTS

CONSTRUCT TRANSVERSE CONTRACTION JOINTS NORMAL TO THE CENTERLINE. SHOW THE LOCATION OF CONTRACTION JOINTS THROUGH INTERSECTIONS ON THE PLANS OR AS DIRECTED BY THE ENGINEER.

INSTALL DOWEL BARS PARALLEL TO THE PAVEMENT CENTERLINE AND PAVEMENT SURFACE.

FOR PAVEMENT SLABS OF VARYING WIDTHS, LOCATE THE OUTER MOST DOWEL BAR SO THAT THE CENTER OF THE BAR IS A MINIMUM OF 6 INCHES FROM AND A MAXIMUM OF 18 INCHES FROM THE FREE EDGE OF PAVEMENT.

CONSTRUCTION JOINTS

LOCATE CONSTRUCTION JOINTS A MINIMUM OF 6 FEET FROM THE NEAREST CONTRACTION JOINT AND ALIGN PARALLEL TO THE CONTRACTION JOINTS.

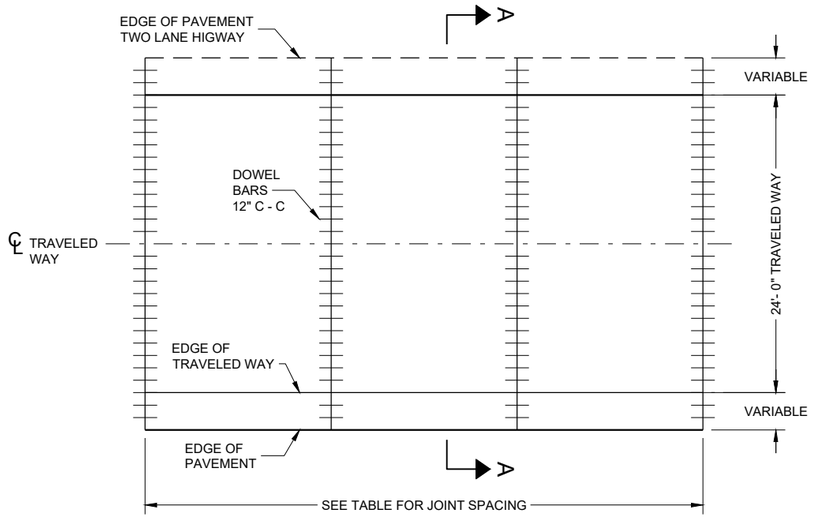
(1) REFER TO TYPICAL CROSS SECTIONS FOR ADDITIONAL DETAILS.

(2) MEASURE THE ENTIRE PAVED WIDTH INCLUDING THE PORTION(S) LABELED "PAVED SHOULDER" AS CONCRETE PAVEMENT.

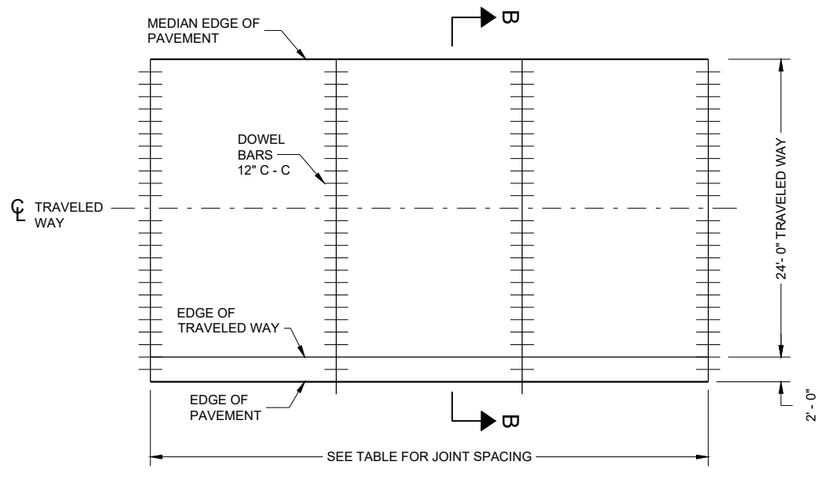
(3) SHOULDER WIDTHS LESS THAN 3 FEET SHALL BE PAVED INTEGRAL TO THE MAINLINE CONCRETE PAVEMENT, SEE SECTION B-B.

PAVEMENT DEPTH, DOWEL BAR SIZE AND JOINT SPACING TABLE

PAVEMENT DEPTH (D)	DOWEL BAR DIAMETER	CONTRACTION JOINT SPACING
6", 6 ½"	NONE	12'
7", 7 ½"	1"	14'
8" & ABOVE	1 ¼"	15'



CONTRACTION JOINT LAYOUT FOR TWO-LANE TWO-WAY HIGHWAY



CONTRACTION JOINT LAYOUT FOR DIVIDED HIGHWAY

RURAL DOWELED CONCRETE PAVEMENT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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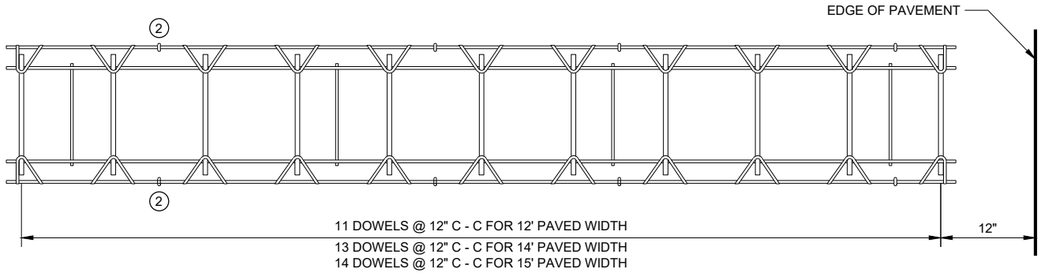
SDD13C11 - 14a



PLAN VIEW

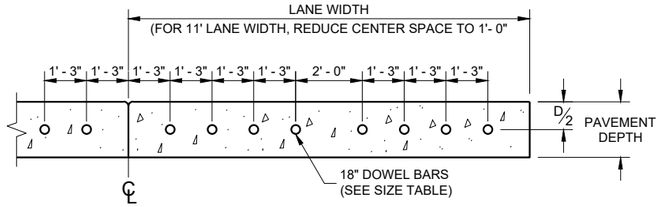
SIDE VIEW

(NORMAL TO CENTERLINE)

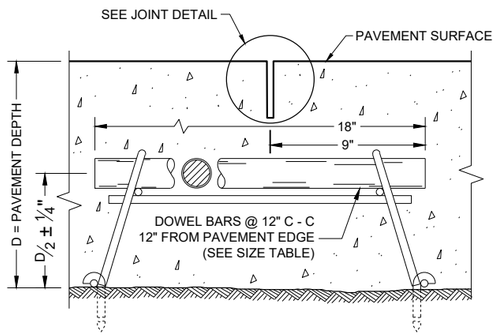
CONTRACTION JOINT DOWEL ASSEMBLY (1)

GENERAL NOTES

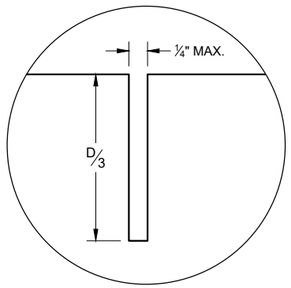
1. OBTAIN THE ENGINEER'S APPROVAL FOR THE USE OF ALTERNATIVE DESIGNS OF THE DOWEL ASSEMBLY. USE MECHANICAL DOWEL BAR INSERTERS OR DOWEL ASSEMBLIES WHEN CONSTRUCTION CONTRACTION JOINTS.
2. SECURE BASKETS WITH ANCHORS TO HOLD DOWEL BARS IN THE CORRECT POSITION AND ALIGNMENT. TYPE, LOCATION, NUMBER AND LENGTH OF ANCHORS ARE DEPENDENT UPON FIELD CONDITIONS.
3. FORM OR SAW CONSTRUCTION JOINTS. PROVIDE A ¼" RADIUS AT FORMED JOINTS.
4. PROVIDE A SMOOTH VERTICAL FACE FOR THE ENTIRE DEPTH OF THE PAVEMENT WHEN FORMING CONSTRUCTION JOINTS.
5. INSTALL DOWEL BARS AT CONSTRUCTION JOINTS BY FORMING OR DRILLING. INSTALL FORMED DOWEL BARS 12 INCHES C - C AND 12 INCHES FROM PAVEMENT EDGE. REMOVE EXCESS CONCRETE FROM THE FREE END OF THE DOWEL BAR IF DOWEL BARS ARE FORMED THROUGH A HEADER BOARD. INSTALL DRILLED DOWEL BARS ACCORDING TO THE "DRILLED DOWEL BAR CONSTRUCTION JOINT" DETAIL.
6. APPLY A THIN UNIFORM COATING OF SURFACE TREATMENT TO THE FREE END OF DOWEL BARS TO PREVENT BONDING.
7. ANCHOR DOWEL BARS AND TIE BARS INTO DRILLED HOLES WITH AN EPOXY. MAXIMUM DRILLED HOLE SIZE IS ⅛" GREATER THAN DOWEL BAR DIAMETER, 9 INCHES IN LENGTH.



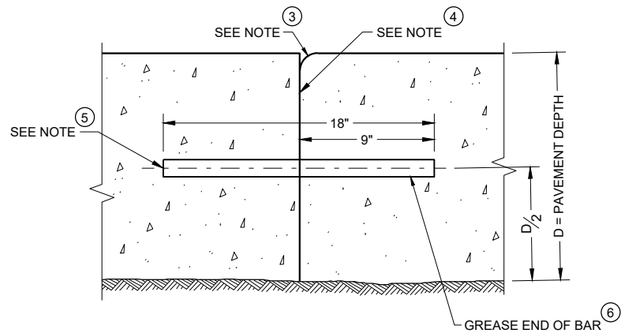
DRILLED DOWEL BAR CONSTRUCTION JOINT (7)



DOWELED CONTRACTION JOINT



JOINT DETAIL



TRANSVERSE CONSTRUCTION JOINT

RURAL DOWELED CONCRETE PAVEMENT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2022
DATE

/S/ Peter Kemp P.E.
PAVEMENT SUPERVIS

FHWA

6

SDD 13C11 - 14b

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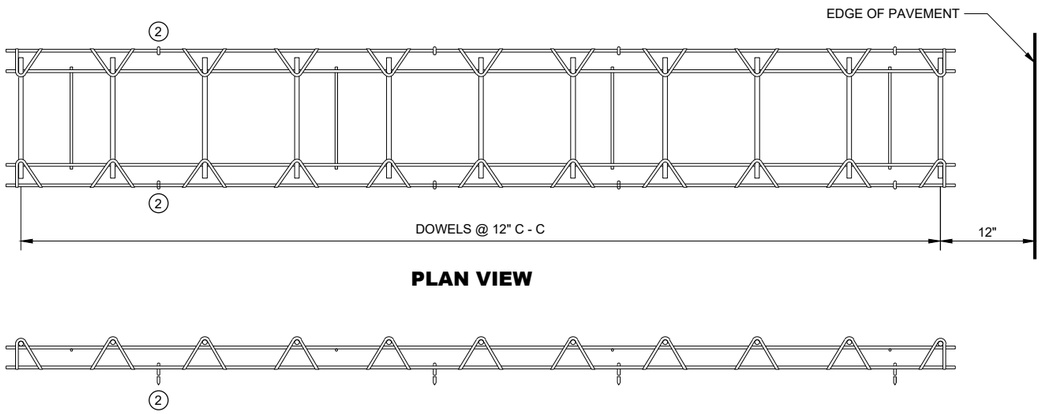
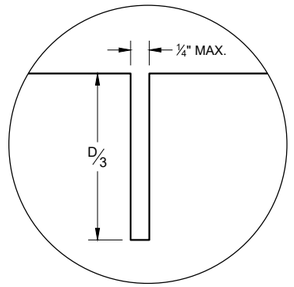
SDD 13C11 - 14b



PLAN VIEW

SIDE VIEW

CONTRACTION JOINT DOWEL ASSEMBLY (1)



JOINT DETAIL

GENERAL NOTES

CONTRACTION JOINTS

CONSTRUCT TRANSVERSE CONTRACTION JOINTS NORMAL TO THE CENTERLINE. SHOW THE LOCATION OF CONTRACTION JOINTS THROUGH INTERSECTIONS ON THE PLANS OR AS DIRECTED BY THE ENGINEER.

INSTALL DOWEL BARS PARALLEL TO THE PAVEMENT CENTERLINE AND PAVEMENT SURFACE.

FOR PAVEMENT SLABS OF VARYING WIDTHS, LOCATE THE OUTER MOST DOWEL BAR SO THAT THE CENTER OF THE BAR IS A MINIMUM OF 6 INCHES FROM AND A MAXIMUM OF 18 INCHES FROM THE FREE EDGE OF PAVEMENT.

CONSTRUCTION JOINTS

LOCATE CONSTRUCTION JOINTS A MINIMUM OF 6 FEET FROM THE NEAREST CONTRACTION JOINT AND ALIGN PARALLEL TO THE CONTRACTION JOINTS.

(1) OBTAIN THE ENGINEER'S APPROVAL FOR THE USE OF ALTERNATIVE DESIGNS OF THE DOWEL ASSEMBLY. USE MECHANICAL DOWEL BAR INSERTERS OR DOWEL ASSEMBLIES WHEN CONSTRUCTION CONTRACTION JOINTS.

(2) SECURE BASKETS WITH ANCHORS TO HOLD DOWEL BARS IN THE CORRECT POSITION AND ALIGNMENT. TYPE, LOCATION, NUMBER AND LENGTH OF ANCHORS ARE DEPENDENT UPON FIELD CONDITIONS.

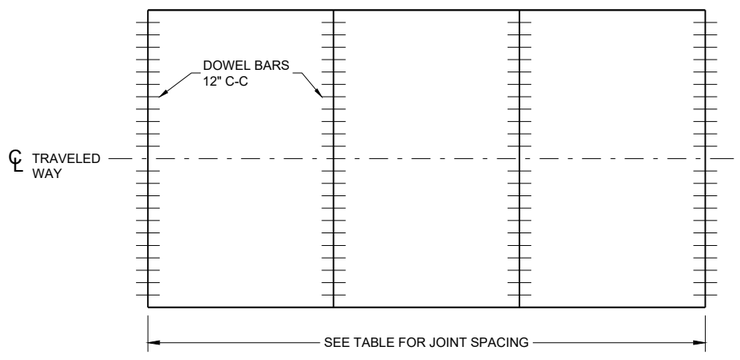
(3) FORM OR SAW CONSTRUCTION JOINTS. PROVIDE A ¼" RADIUS AT FORMED JOINTS.

(4) PROVIDE A SMOOTH VERTICAL FACE FOR THE ENTIRE DEPTH OF THE PAVEMENT WHEN FORMING CONSTRUCTION JOINTS.

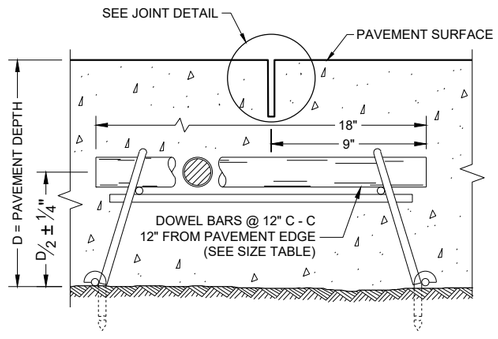
(5) INSTALL DOWEL BARS AT CONSTRUCTION JOINTS BY FORMING OR DRILLING. INSTALL FORMED DOWEL BARS 12 INCHES C - C AND 12 INCHES FROM PAVEMENT EDGE. REMOVE EXCESS CONCRETE FROM THE FREE END OF THE DOWEL BAR IF DOWEL BARS ARE FORMED THROUGH A HEADER BOARD. INSTALL DRILLED DOWEL BARS ACCORDING TO THE "DRILLED DOWEL BAR CONSTRUCTION JOINT" DETAIL.

(6) APPLY A THIN UNIFORM COATING OF SURFACE TREATMENT TO THE FREE END OF DOWEL BARS TO PREVENT BONDING.

(7) ANCHOR DOWEL BARS AND TIE BARS INTO DRILLED HOLES WITH AN EPOXY. MAXIMUM DRILLED HOLE SIZE IS ⅛" GREATER THAN DOWEL BAR DIAMETER, 9 INCHES IN LENGTH.



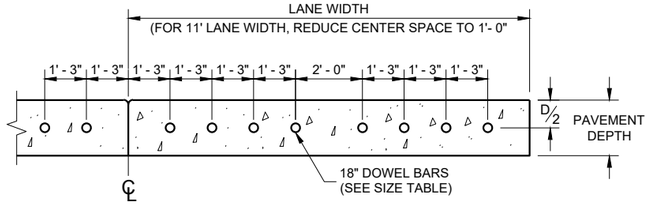
CONTRACTION JOINT LOCATIONS



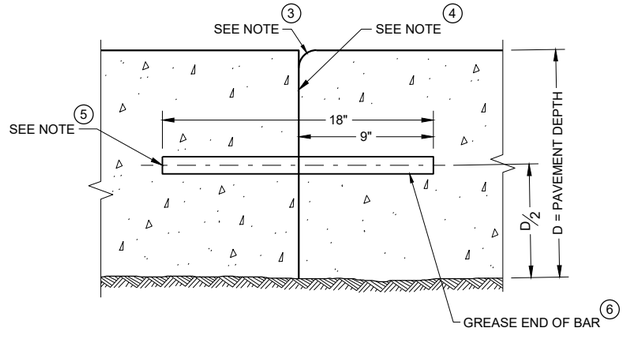
DOWELED CONTRACTION JOINT

PAVEMENT DEPTH, DOWEL BAR SIZE AND JOINT SPACING TABLE

PAVEMENT DEPTH (D)	DOWEL BAR DIAMETER	CONTRACTION JOINT SPACING
6", 6 ½"	NONE	12'
7", 7 ½"	1"	14'
8" & ABOVE	1 ¼"	15'



DRILLED DOWEL BAR CONSTRUCTION JOINT (7)



TRANSVERSE CONSTRUCTION JOINT

URBAN DOWELED CONCRETE PAVEMENT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

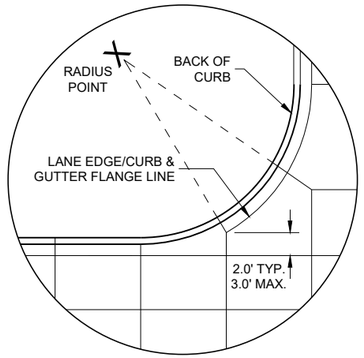
APPROVED
November 2022
DATE

/S/ Peter Kemp P.E.
PAVEMENT SUPERVIS

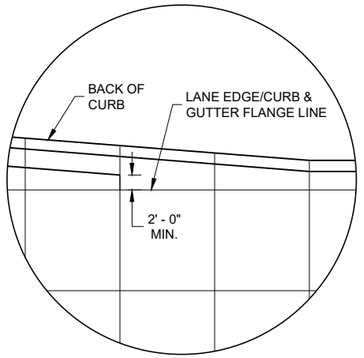
FHWA

6

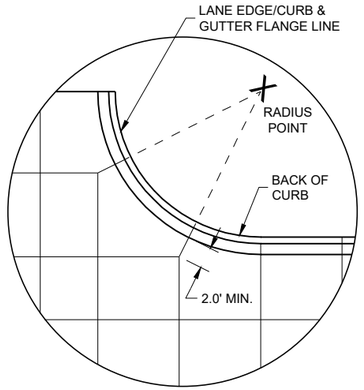
SDD 13C13 - 11



DETAIL "A"



DETAIL "B"



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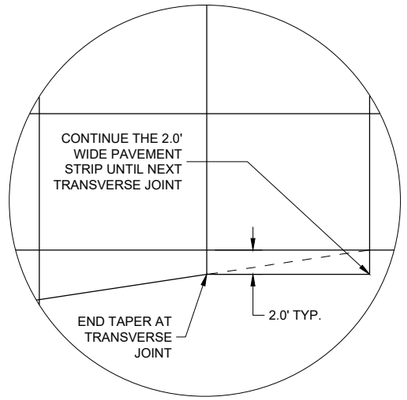


DETAIL "D"

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.

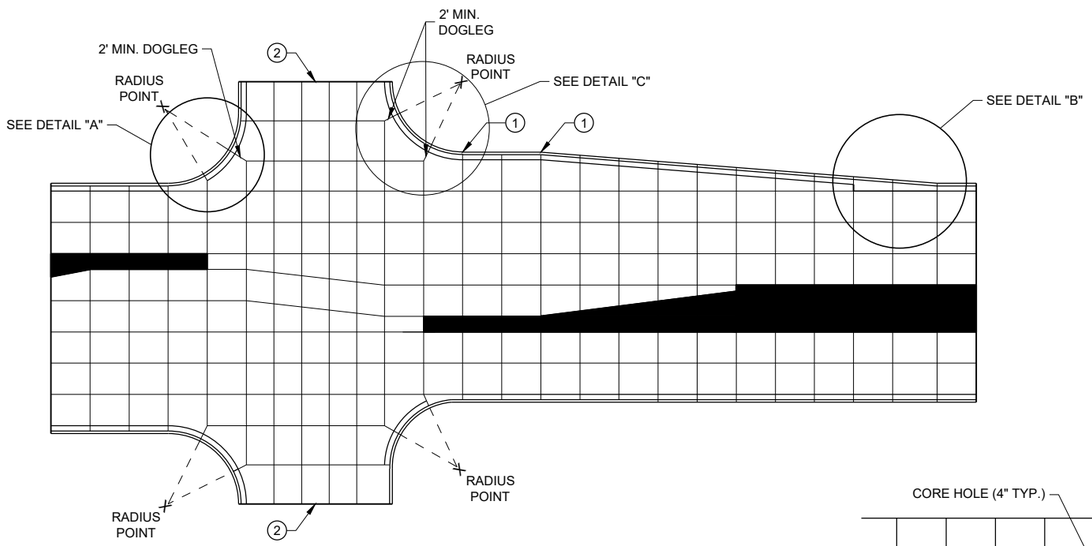
AVOID SLABS LESS THAN 2 FEET WIDE OR GREATER THAN 15 FEET WIDE.

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.

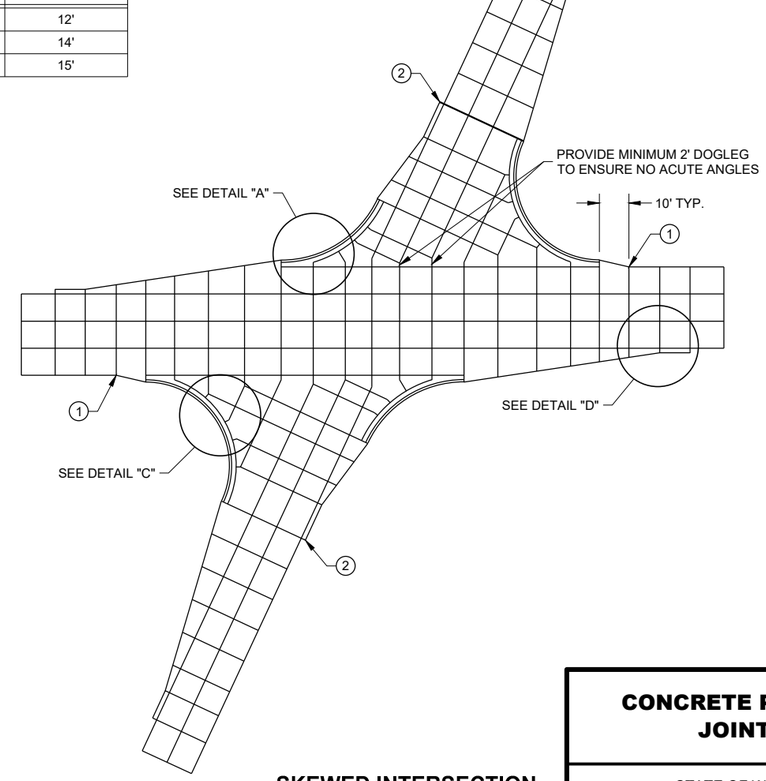
1. PROVIDE TRANSVERSE JOINTS AT ALL PAVEMENT WIDTH CHANGES.
2. CONSTRUCT DOWELED EXPANSION JOINT ON THE SIDE ROAD OF AN INTERSECTION IF THE SIDE ROAD IS CONCRETE PAVEMENT AND GREATER THAN 300 FEET IN LENGTH. ALIGN EXPANSION JOINT WITH EDGE OF RADIUS.
3. THE ENGINEER MAY APPROVE SLIGHT VARIATIONS FROM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



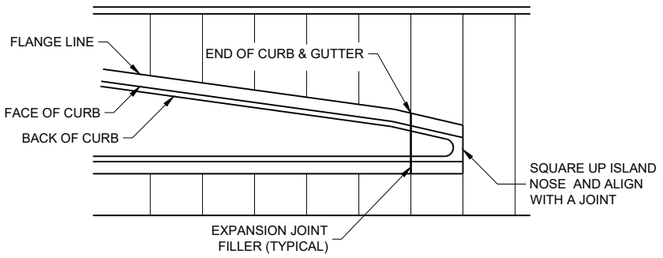
STANDARD INTERSECTION

PAVEMENT DEPTH AND JOINT SPACING TABLE

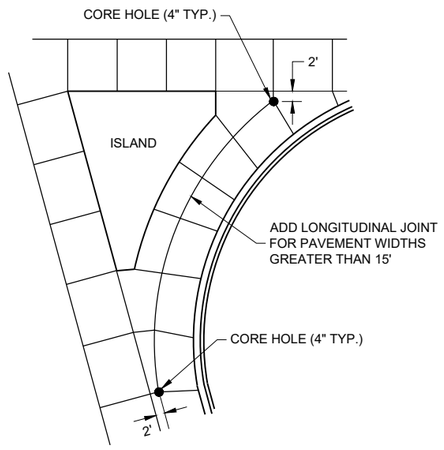
PAVEMENT DEPTH (D)	CONTRACTION JOINT SPACING
6", 6 ½"	12'
7", 7 ½"	14'
8" & ABOVE	15'



SKEWED INTERSECTION



APPROACH TO MEDIAN



LARGE RIGHT TURN

CONCRETE PAVEMENT JOINTING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 13C18 - 08a

6

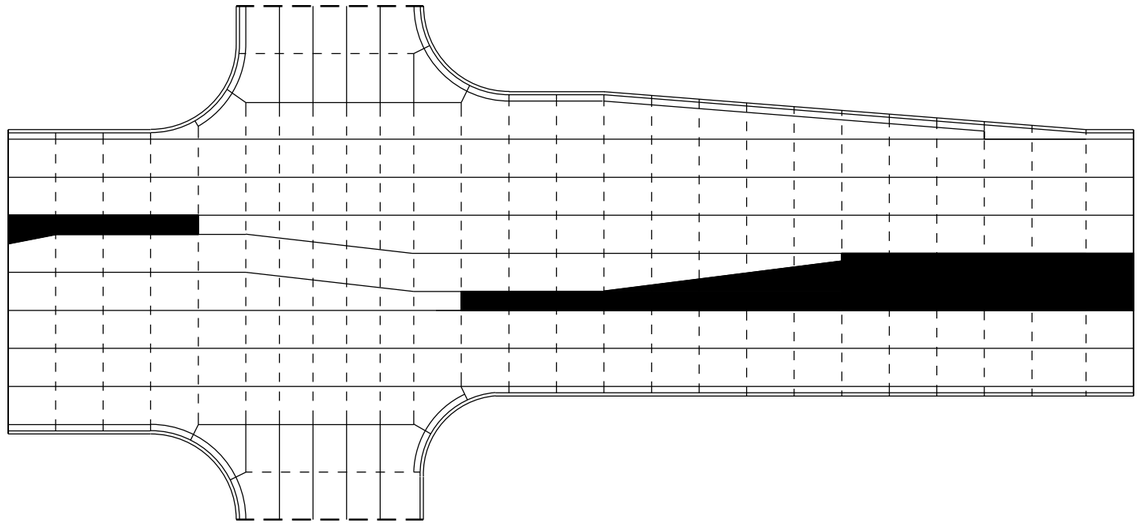
SDD 13C18 - 08a

LEGEND

POTENTIAL DOWELED EXPANSION JOINT

DOWELED JOINT

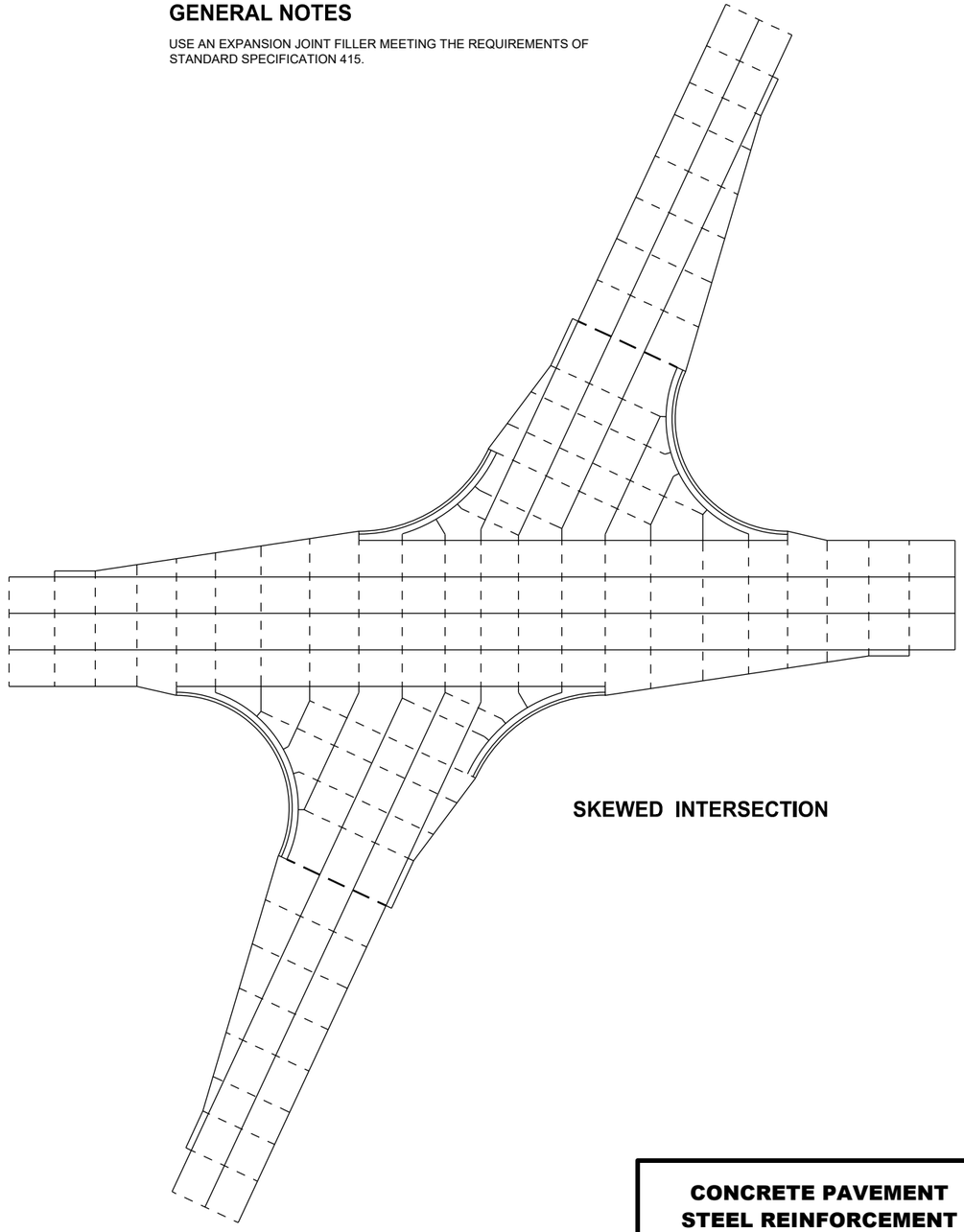
TIED JOINT



STANDARD INTERSECTION

GENERAL NOTES

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



SKEWED INTERSECTION

6

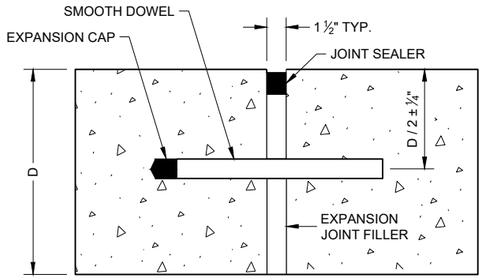
SDD 13C18 - 08b

CONCRETE PAVEMENT STEEL REINFORCEMENT

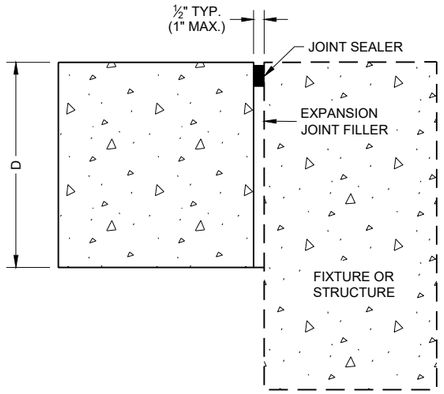
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 13C18 - 08b



DOWELED TRANSVERSE (1)



UNTIED - LONGITUDINAL

EXPANSION JOINTS

TIE BAR TABLE

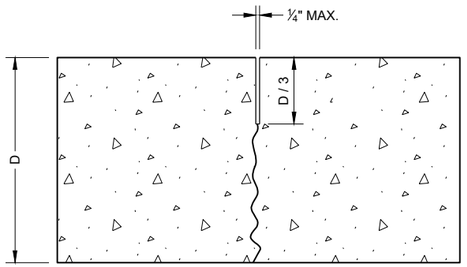
PAVEMENT DEPTH (D)	TIE BAR SIZE	TIE BAR LENGTH (L)	MAX. TIE BAR SPACING
< 10 ½"	NO. 4	30"	36"
≥ 10 ½"	NO. 5	36"	36"
	NO. 4 *	30"	24" **

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

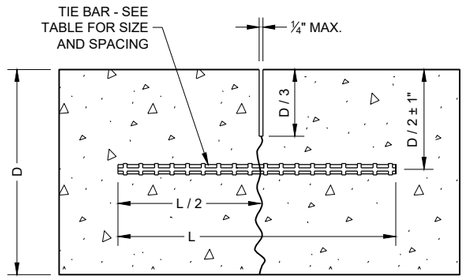
** CONFORM TO 15" MINIMUM SPACING FROM TRANSVERSE JOINTS; SPACING BETWEEN TIE BARS WILL BE 30" AT TRANSVERSE JOINTS.

GENERAL NOTES

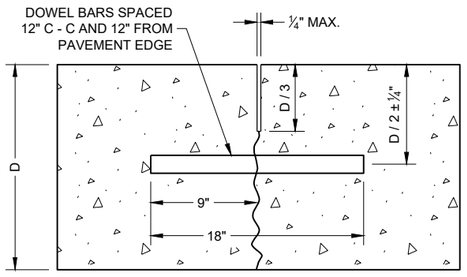
1. USE DOWELED EXPANSION JOINTS ON SIDE ROADS AT INTERSECTIONS (TO ISOLATETHE SIDE ROAD FROM THE THROUGH STREET) IF THE SIDE ROAD IS CONCRETE PAVEMENT AND GREATER THAN 300 FEET IN LENGTH.
2. SPACE CONTRACTION JOINTS IN ACCORDANCE WITH SDD 13C4, 13C11 OR 13C13.
3. LOCATE CONSTRUCTION JOINTS A MINIMUM 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

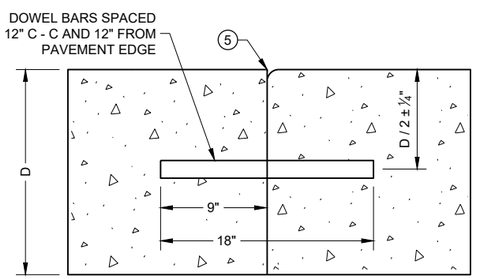


TIED LONGITUDINAL

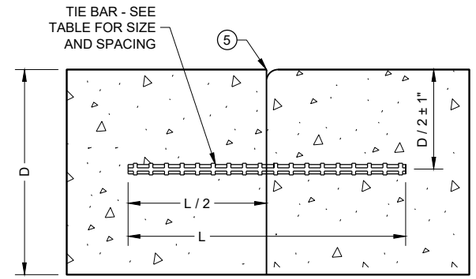


DOWELED TRANSVERSE

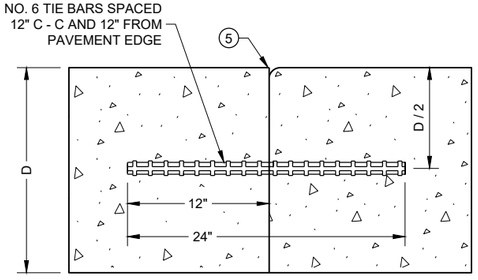
CONTRACTION JOINTS (2)



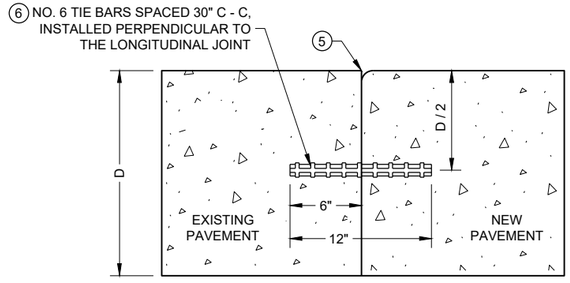
DOWELED TRANSVERSE (3)



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

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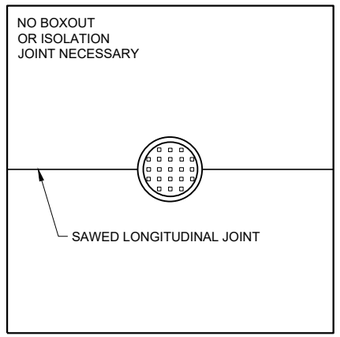
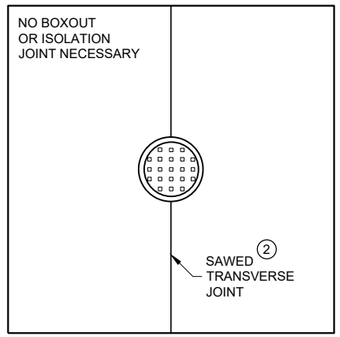
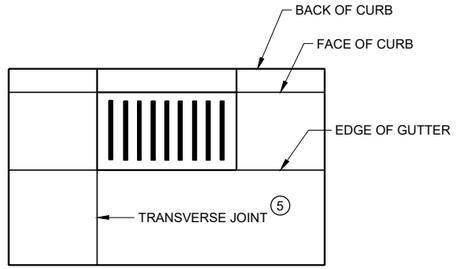
SDD 13C18 - 08c



MANHOLE WITH LONGITUDINAL JOINT



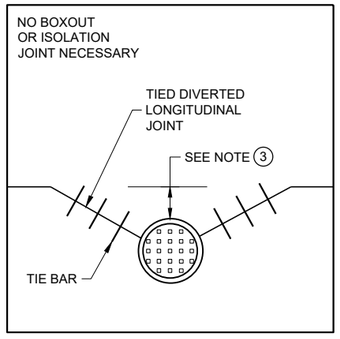
MANHOLE WITH TRANSVERSE JOINT



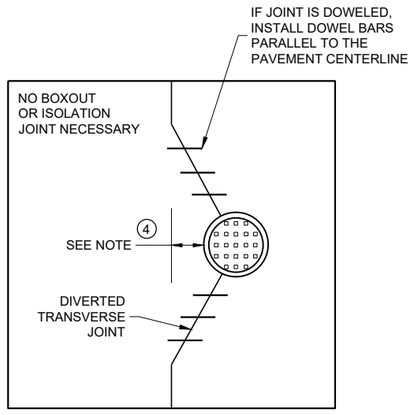
INLET WITH TRANSVERSE JOINT

GENERAL NOTES

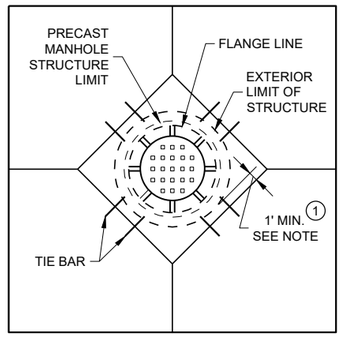
1. USE BOXOUTS WHEN UTILITY STRUCTURE IS IN THE PATH OF CONSTRUCTION JOINTS. PROVIDE A 1 FOOT MINIMUM CLEARANCE BETWEEN THE EXTERIOR LIMIT OF THE STRUCTURE TO THE DIAMOND BOXOUT.
2. ADJUST TRANSVERSE JOINT TO INTERSECT MANHOLE IF POSSIBLE.
3. IF DISTANCE BETWEEN THE LONGITUDINAL JOINT AND THE EDGE OF 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

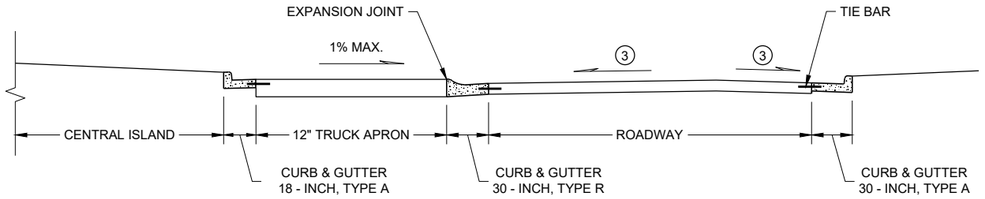
/S/ Peter Kemp P.E.
PAVEMENT SUPERVIS

FHWA

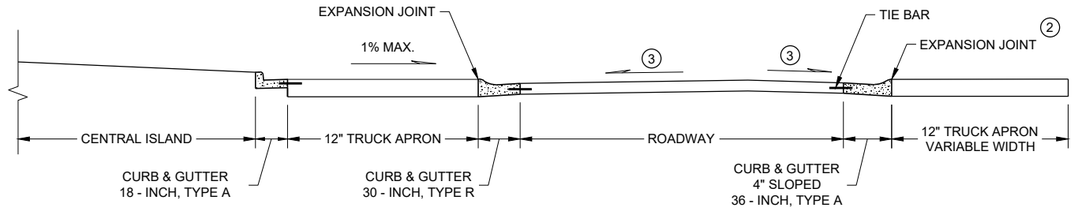
6

SDD13C18 - 08d

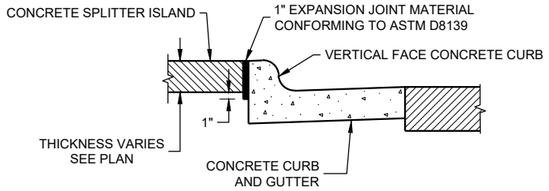
SDD13C18 - 08d



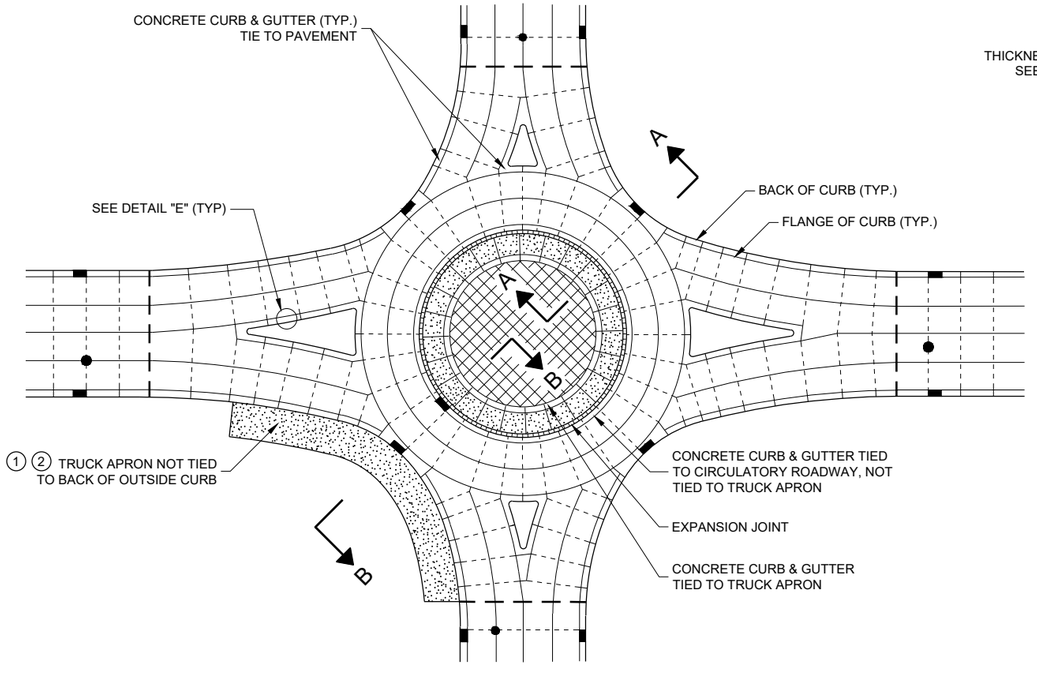
SECTION A - A



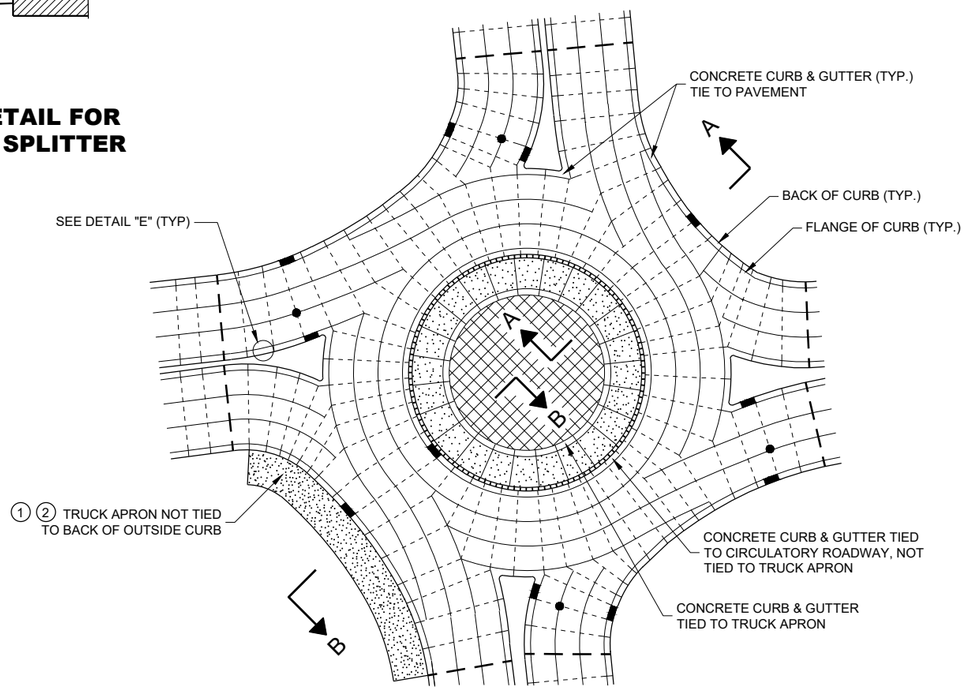
SECTION B - B



DETAIL 'E'
EXPANSION JOINT DETAIL FOR VERTICAL CURB AT A SPLITTER ISLAND



ISOLATED CIRCLE JOINT LAYOUT FOR ROUNDABOUTS



PINWHEEL JOINT LAYOUT FOR ROUNDABOUTS

GENERAL NOTES

MAXIMUM JOINT SPACING IS IN ACCORDANCE WITH THE TABLE SHOWN ON SDD 13C18 - SHEET "a"

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

DO NOT DOWEL OR TIE THE TRUCK APRON TRANSVERSE JOINTS.

(1) DESIGNER DETERMINES SIZE AND LOCATION(S) OF TRUCK APRON TO ACCOMMODATE TRACKING OF OVERSIZE / OVERWEIGHT VEHICLES.

(2) TIE THE OUTSIDE TRUCK APRON TO THE BACK SIDE OF CURB ONLY WHEN ENTIRE TRUCK APRON IS LESS THAN 3 FEET.

(3) CONFORM TO PLAN CONSTRUCTION DETAILS FOR CIRCULATORY ROADWAY CROSS SLOPE.

LEGEND

- DOWELED JOINT
- TIED JOINT
- EXPANSION JOINT
- POTENTIAL DOWELED EXPANSION JOINT
- TRUCK APRON
- CENTRAL ISLAND
- UTILITY STRUCTURES

CONCRETE PAVEMENT JOINTING AND STEEL REINFORCEMENT IN ROUNDABOUTS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023
DATE

/S/ Peter Kemp P.E.
PAVEMENT SUPERVIS

FHWA

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6

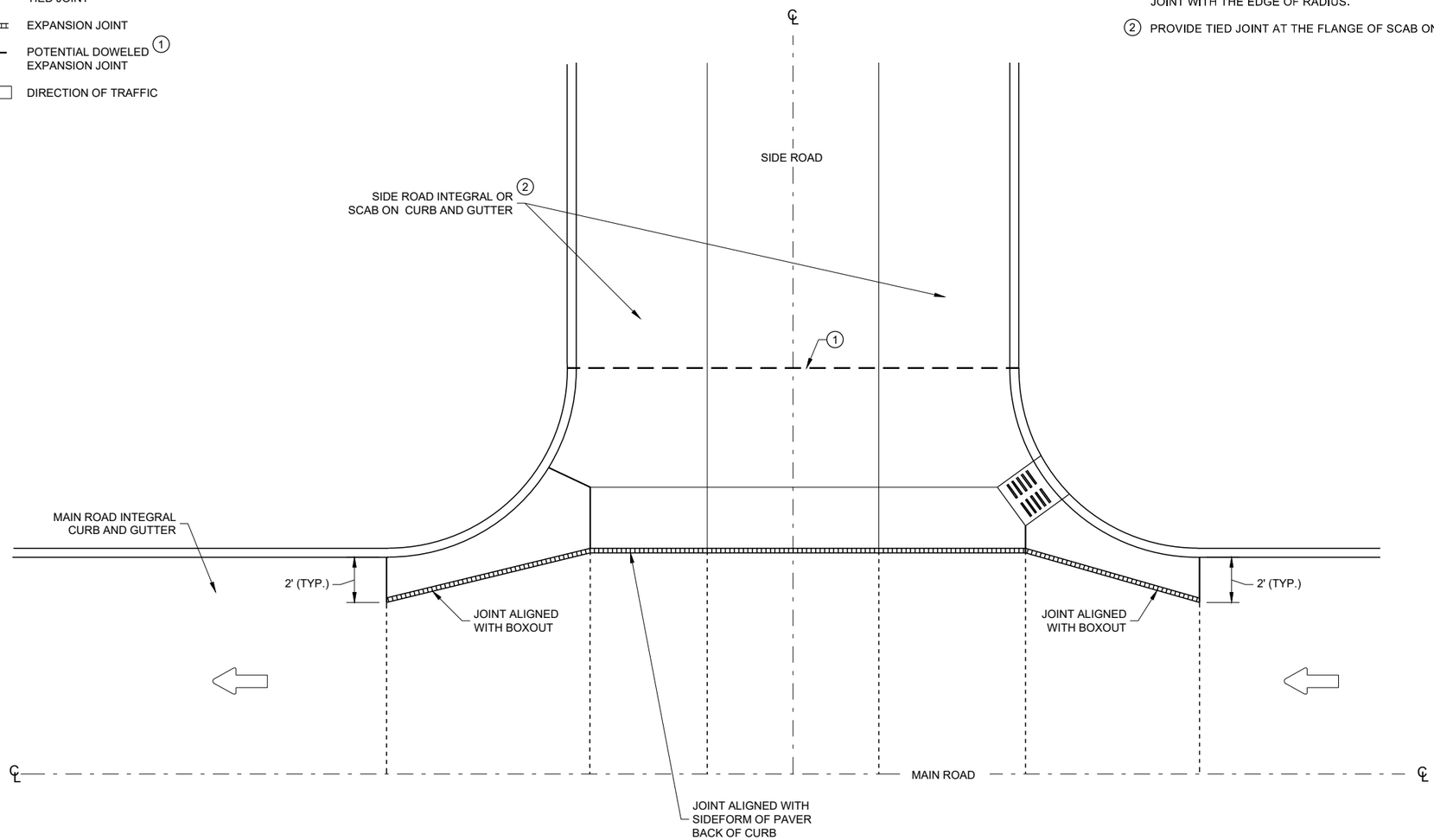
SDD 13C18 - 08e

6

SDD 13C18 - 08e

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

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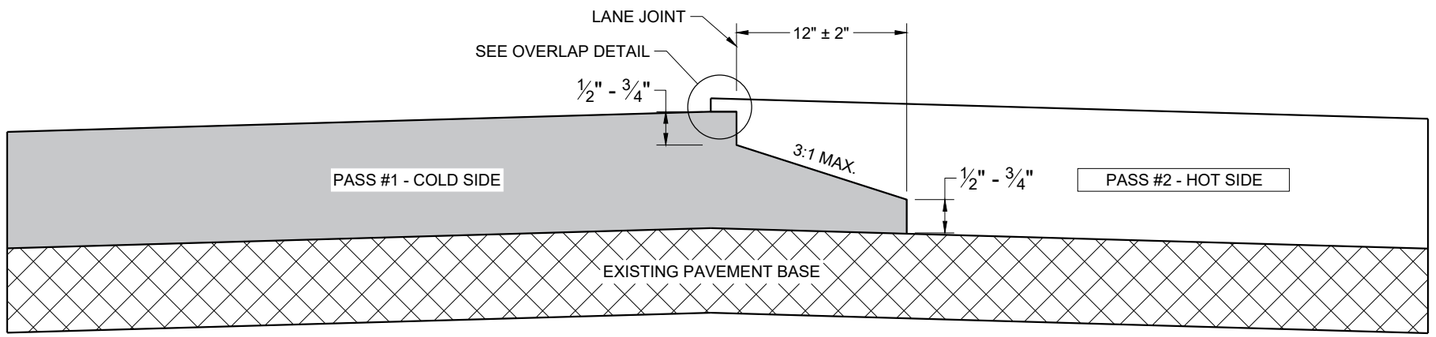
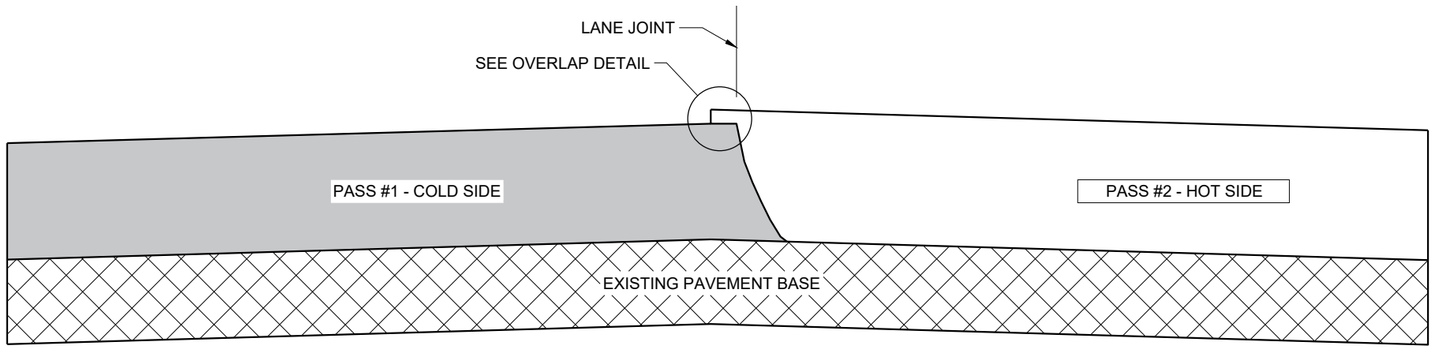
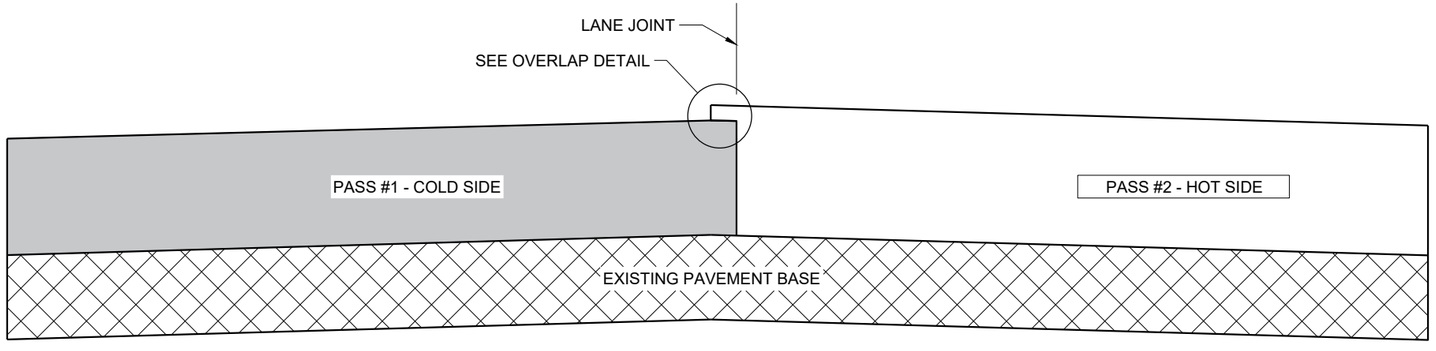
SDD 13C18 - 08f



TYPICAL PAVEMENT CROSS SECTION
NOTCHED WEDGE JOINT



TYPICAL PAVEMENT CROSS SECTION
VERTICAL JOINT



TYPICAL PAVEMENT CROSS SECTION
VERTICAL JOINT (MILLED)

GENERAL NOTES

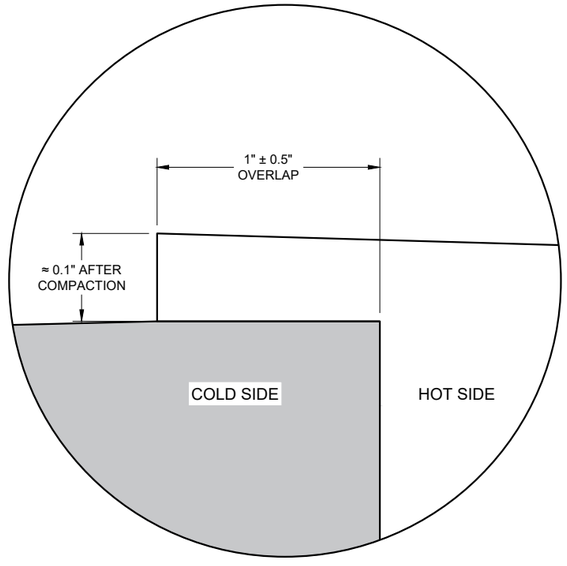
IN ADDITION TO THE DETAILS PROVIDED IN THIS DRAWING, CONFORM TO STANDARD SPECIFICATION 450.3.2.8 FOR WHEN A NOTCHED WEDGE JOINT IS REQUIRED AND FOR GENERAL JOINT CONSTRUCTION REQUIREMENTS.

FOR ALL LONGITUDINAL JOINTS, ENSURE THE PAVER SCREED OVERLAPS THE PREVIOUSLY PLACED PAVEMENT BY 1" ± 0.5" AND THE HOT SIDE OF THE JOINT REMAINS HIGHER THAN THE COLD SIDE BY APPROXIMATELY 0.1" AFTER FINAL COMPACTION. (IT WILL BE FLUSH WHEN PAVING IN ECHELON.)

ONLY REMOVE THE LONGITUDINAL NOTCHED WEDGE JOINT FOR SMA PAVEMENT OR AS DIRECTED BY THE ENGINEER TO ADDRESS SPECIFIC LENGTHS OF JOINT DAMAGED BY TRAFFIC.

WHEN MILLING BACK OR REMOVING ANY LONGITUDINAL JOINT, LIMIT THE MATERIAL REMOVED TO 2" FROM THE TOP NOTCH OR FROM THE VERTICAL JOINT EDGE ON THE COLD SIDE OF THE JOINT.

USE LONGITUDINAL MILLED JOINT AS PLANS SHOW OR THE AS THE ENGINEER DIRECTS.



OVERLAP DETAIL (TYPICAL)

6

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SDD 13C19 - 03

SDD 13C19 - 03

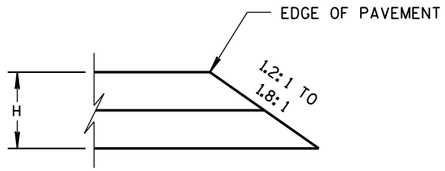
HMA LONGITUDINAL JOINTS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2020
DATE

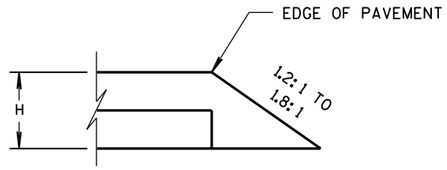
/S/ Steven Hefel
HMA PAVEMENT ENGIN

FHWA



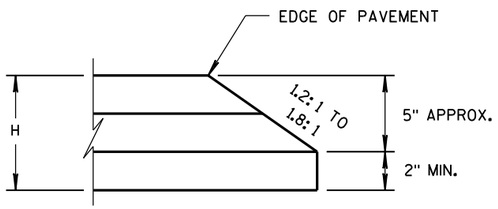
CONSTRUCTED WITH FINAL TWO LAYERS

FOR H 5" OR LESS



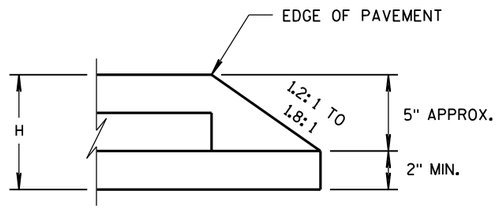
CONSTRUCTED WITH FINAL LAYER

FOR H 5" OR LESS



CONSTRUCTED WITH FINAL TWO LAYERS

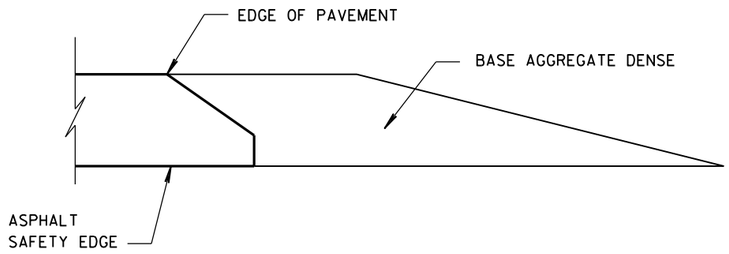
FOR H GREATER THAN 5"



CONSTRUCTED WITH FINAL LAYER

FOR H GREATER THAN 5"

HMA PAVEMENT AND HMA OVERLAYS



FINISHED SHOULDER AGGREGATE PLACEMENT

6

6

S.D.D. 14 B 29-1

S.D.D. 14 B 29-1

SAFETY EDGE SM

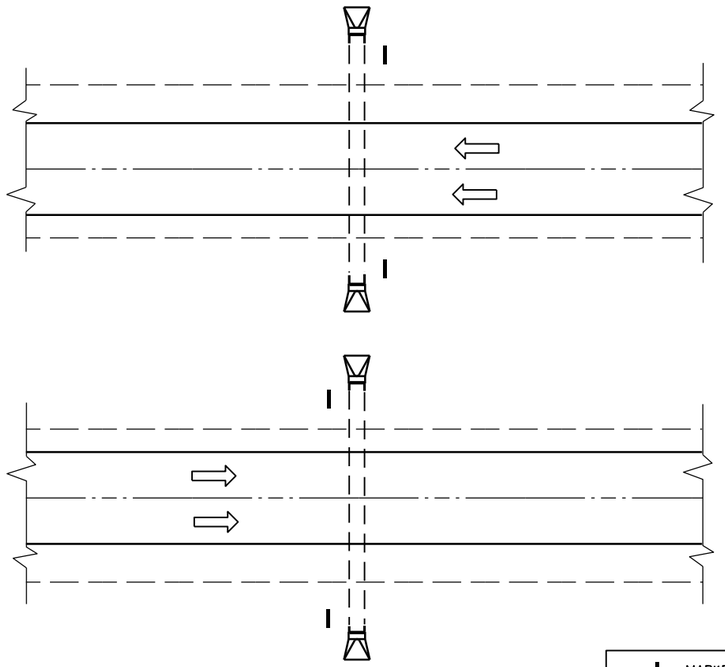
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

11/30/2012
DATE

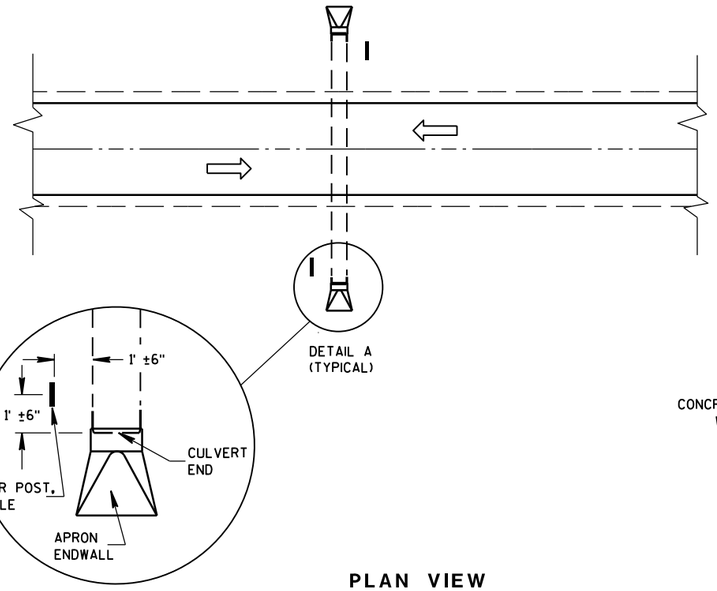
/S/ Jerry H. Zoda
ROADWAY STANDARDS DEVELOPMENT ENGINEER

FHWA



PLAN VIEW

DIVIDED HIGHWAY



DETAIL A
(TYPICAL)

PLAN VIEW

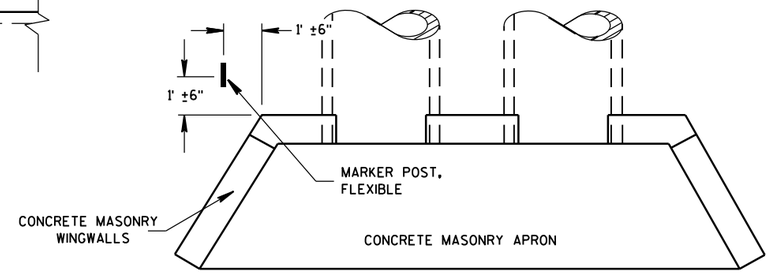
UNDIVIDED HIGHWAY

MARKER POST, FLEXIBLE

DIRECTION OF TRAFFIC FLOW

GENERAL NOTES

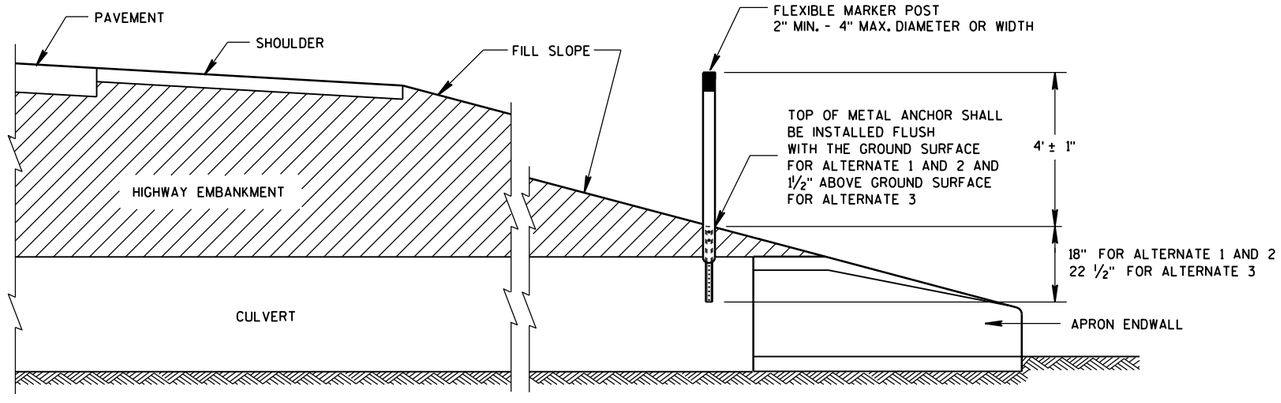
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.



PLAN VIEW

CONCRETE MASONRY ENDWALLS FOR CULVERT PIPE AND PIPE ARCH

FLEXIBLE MARKER POST LOCATION



CROSS SECTION

FLEXIBLE MARKER POST

FLEXIBLE MARKER POST FOR CULVERT END

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

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S.D.D. 15 A 3-2a

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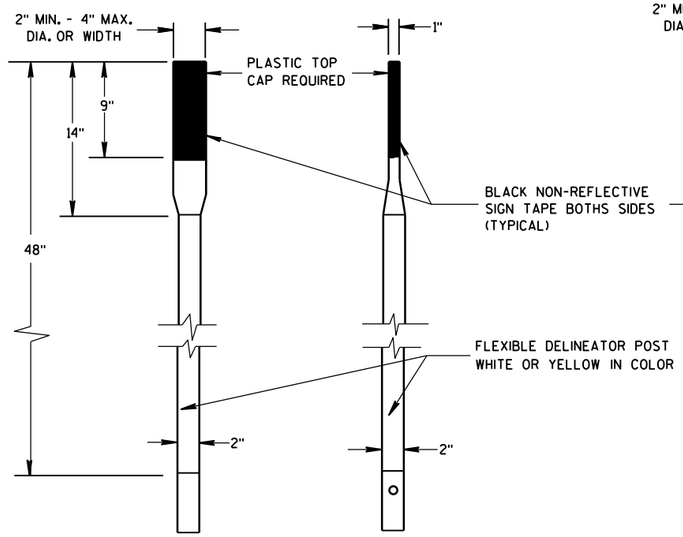
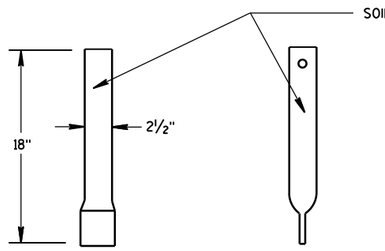
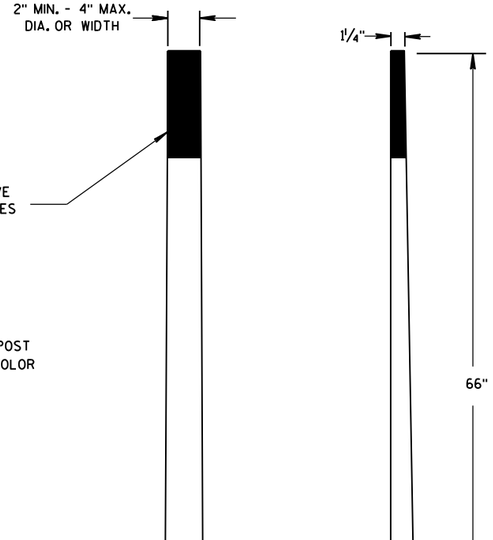
S.D.D. 15 A 3-2a





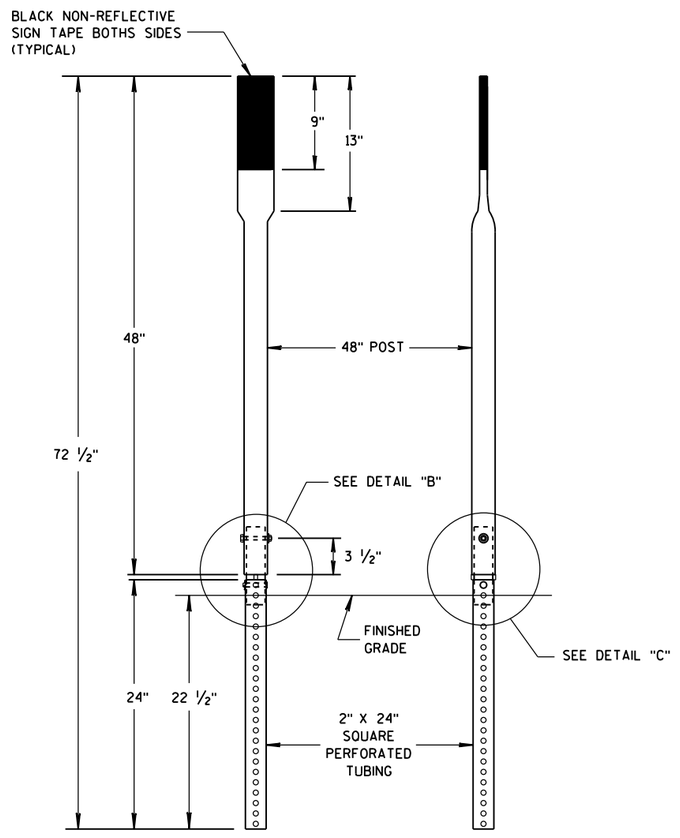
FRONT VIEW SIDE VIEW

ALTERNATE 1



FRONT VIEW SIDE VIEW

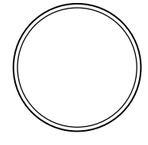
ALTERNATE 2



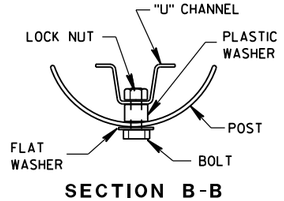
FRONT VIEW SIDE VIEW

ALTERNATE 3

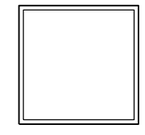
FLEXIBLE MARKER POSTS



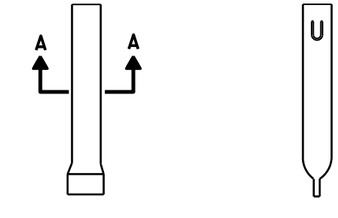
SECTION A-A



SECTION B-B

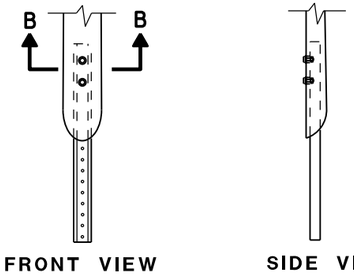


SECTION C-C



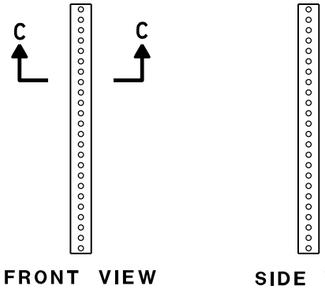
FRONT VIEW SIDE VIEW

ALTERNATE 1



FRONT VIEW SIDE VIEW

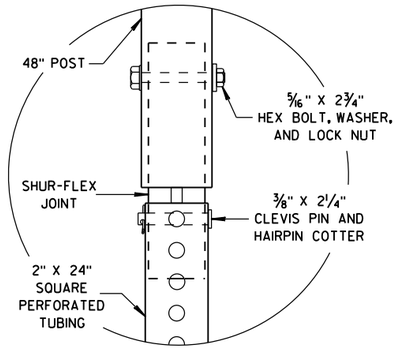
ALTERNATE 2



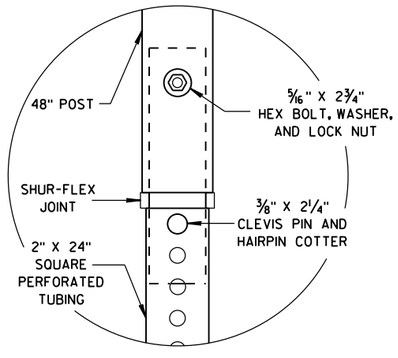
FRONT VIEW SIDE VIEW

ALTERNATE 3

FLEXIBLE MARKER POST ANCHORS



DETAIL B



DETAIL C

FLEXIBLE MARKER POST
FOR CULVERT END

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
10/1/2012 — DATE
/S/ Travis Feltes — STATE TRAFFIC ENGINEER
FHWA

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S.D.D. 15 A 3-2b

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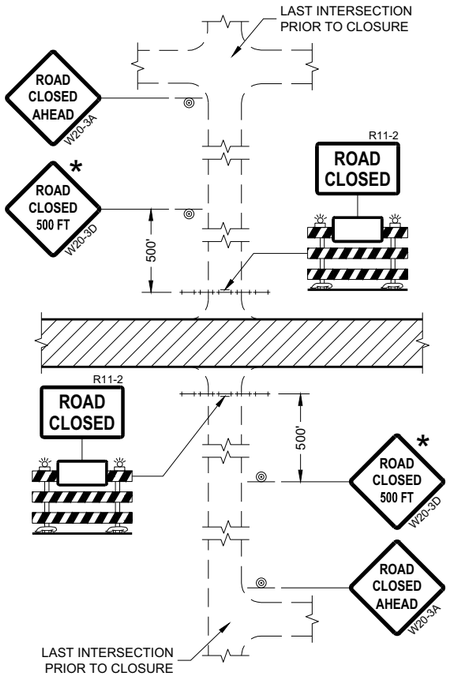
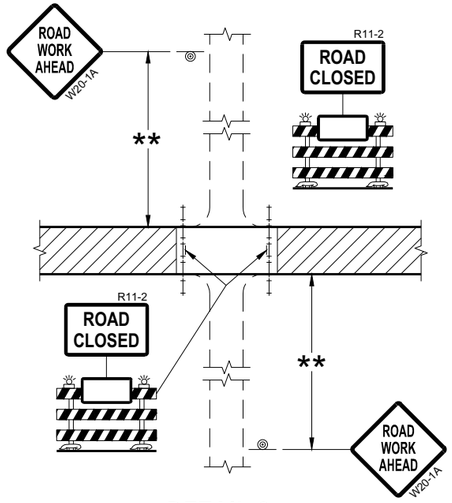
S.D.D. 15 A 3-2b



DETAIL 1
(NO ACCESS TO PROJECT)



DETAIL 2
(PUBLIC CROSS-TRAFFIC MAINTAINED.
NO 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.

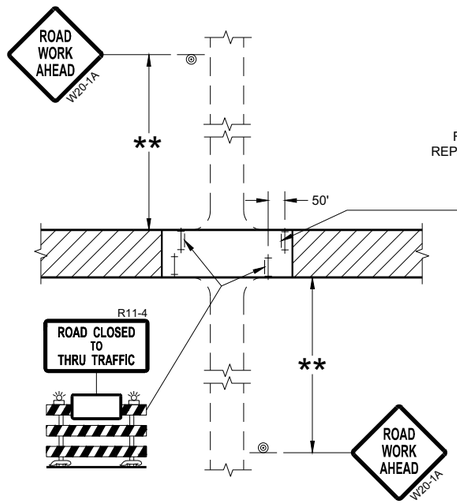
TYPE "A" LOW-INTENSITY FLASHING WARNING LIGHTS SHALL BE VISIBLE ON BOTH SIDES OF THE BARRICADE.

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.

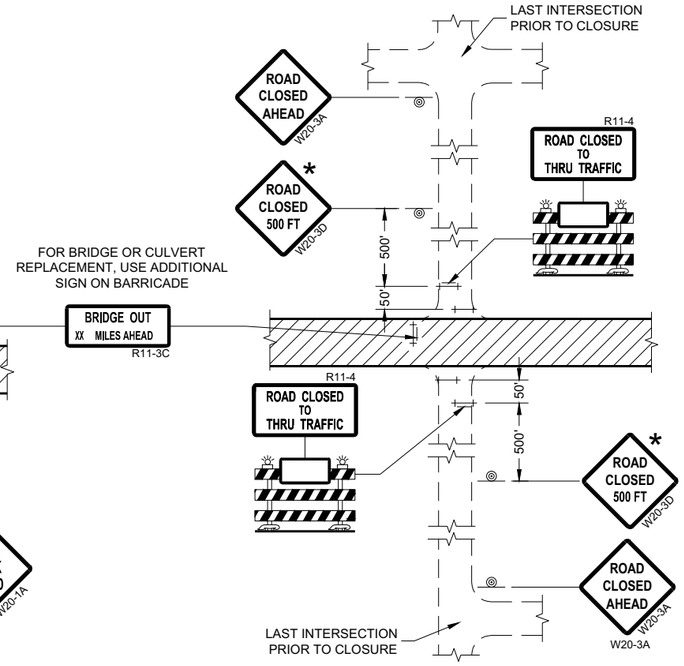
ALL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED BELOW:
R11-2 SHALL BE 48" X 30".
R11-4 AND R11-3 SHALL BE 60" X 30".

* 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.



DETAIL 3
(PUBLIC CROSS-TRAFFIC MAINTAINED.
CONTRACTOR, LOCAL BUSINESS AND
RESIDENT ACCESS TO PROJECT)



DETAIL 4
(CONTRACTOR, LOCAL BUSINESS AND
RESIDENT ACCESS TO PROJECT)

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.

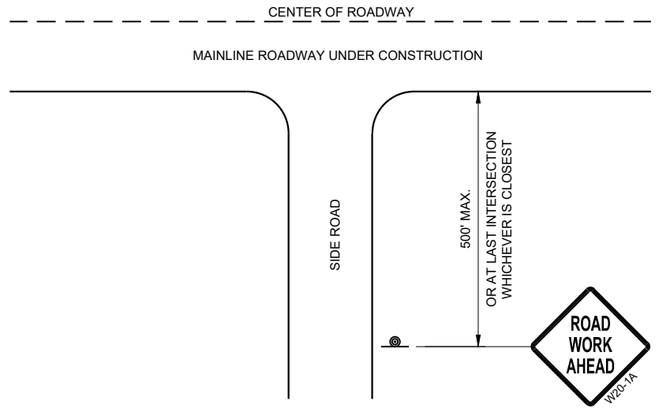
ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.

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.

* OMIT G20-1 SIGNS IF LENGTH OF WORK AREA IS 2 MILES OR LESS

** PLACE AN ADDITIONAL W20-1A "ROAD WORK AHEAD" SIGN IF WORK AREA WITHIN THE PROJECT IS SEPARATED BY MORE THAN 2 MILES FROM PREVIOUS WORK AREA.



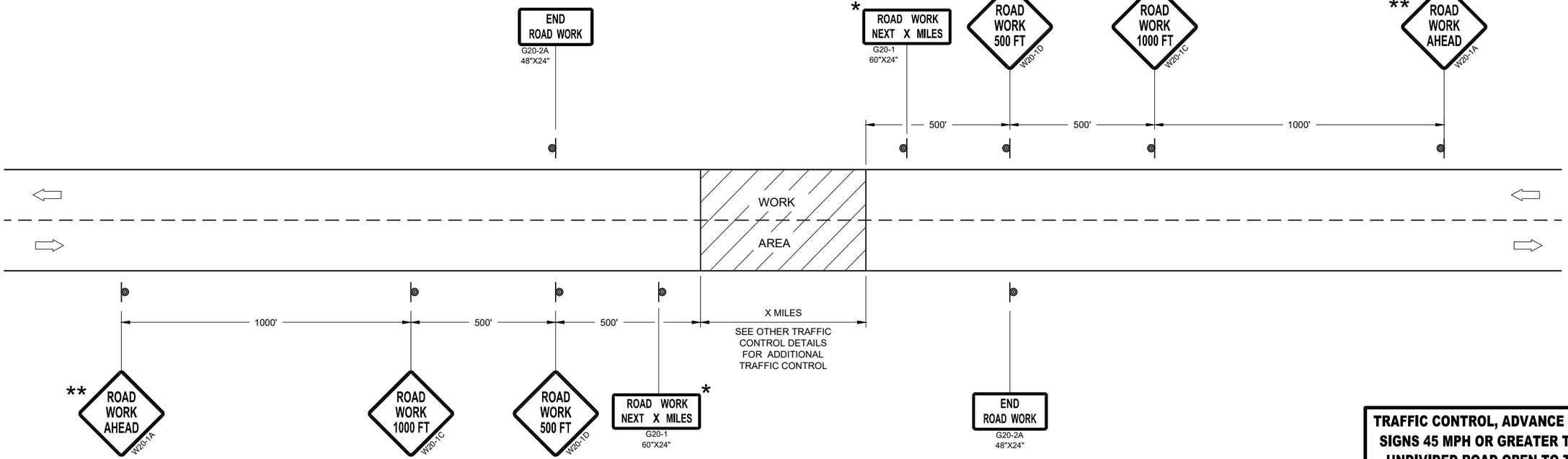
TYPICAL SIDE ROAD APPROACH WARNING SIGN DETAIL

LEGEND

SIGN ON PERMANENT SUPPORT

DIRECTION OF TRAFFIC

WORK AREA



TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45MPH OR GREATER

TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45 MPH OR GREATER 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 15C04 - 05

GENERAL NOTES

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

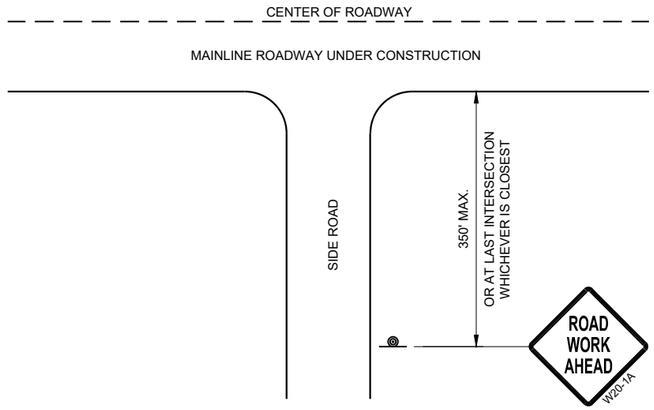
THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A MINIMUM OF 200 FEET (500 FEET DESIRABLE) CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

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.



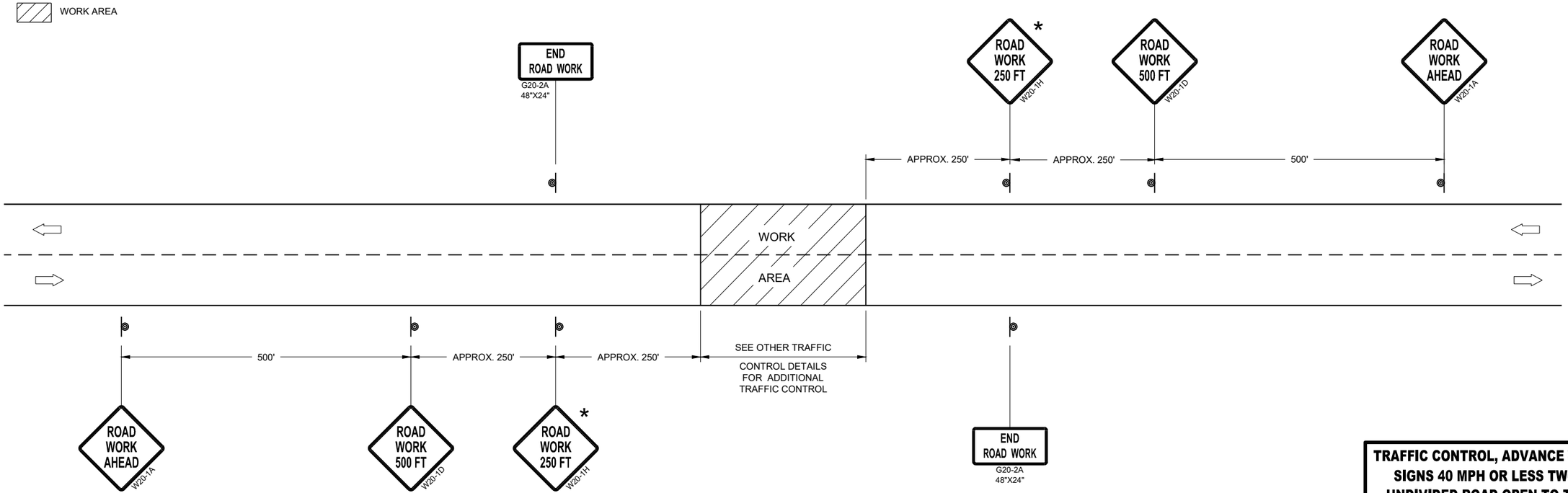
TYPICAL SIDE ROAD APPROACH WARNING SIGN DETAIL

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

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
July 2018
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

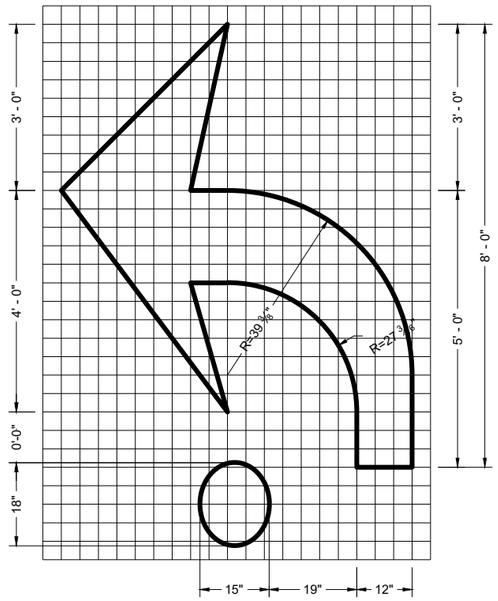
FHWA

6

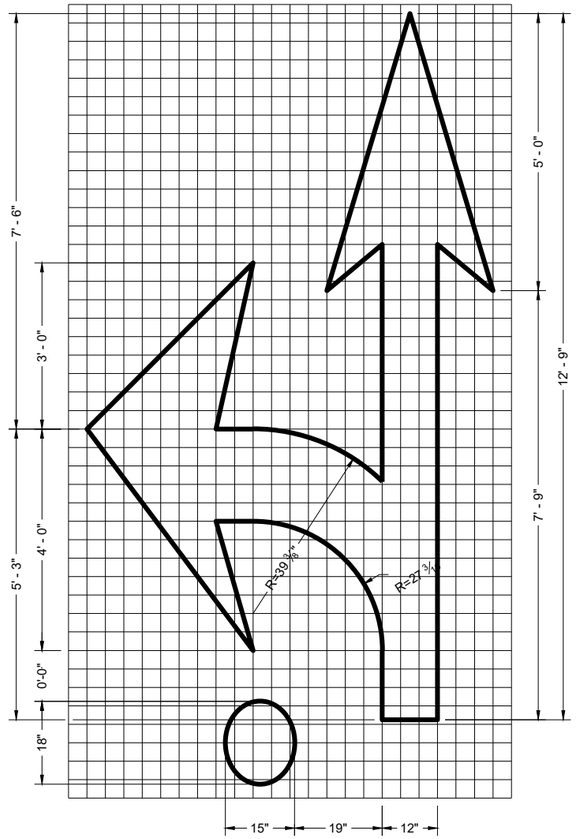
SDD 15C05 - 05

GENERAL NOTES

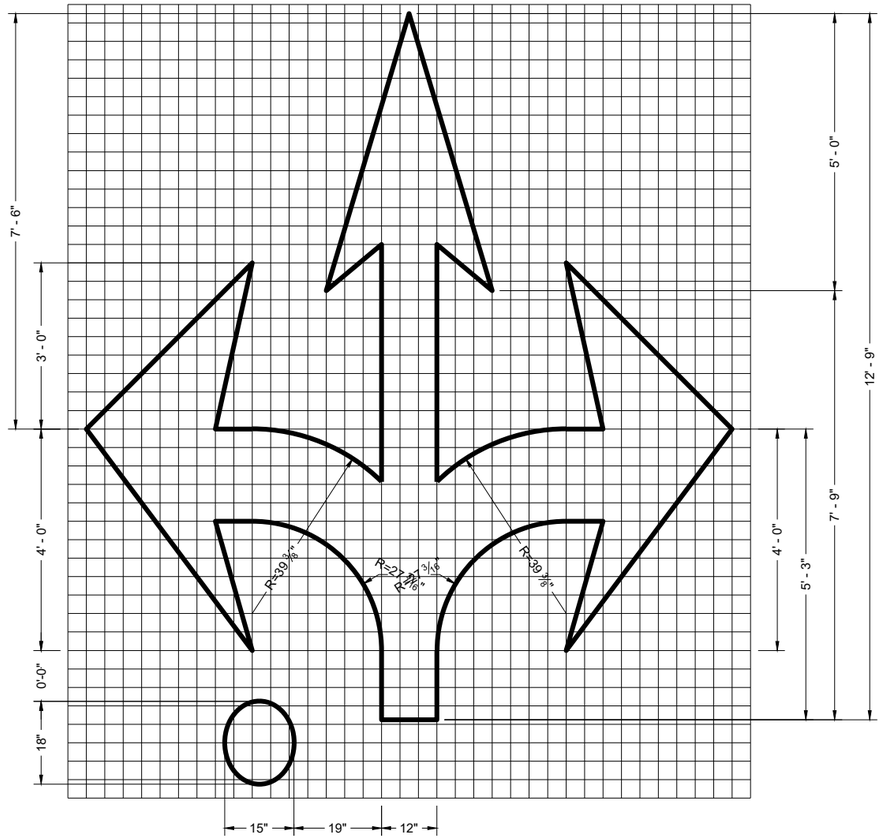
DETAILS OF INSTALLATION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.



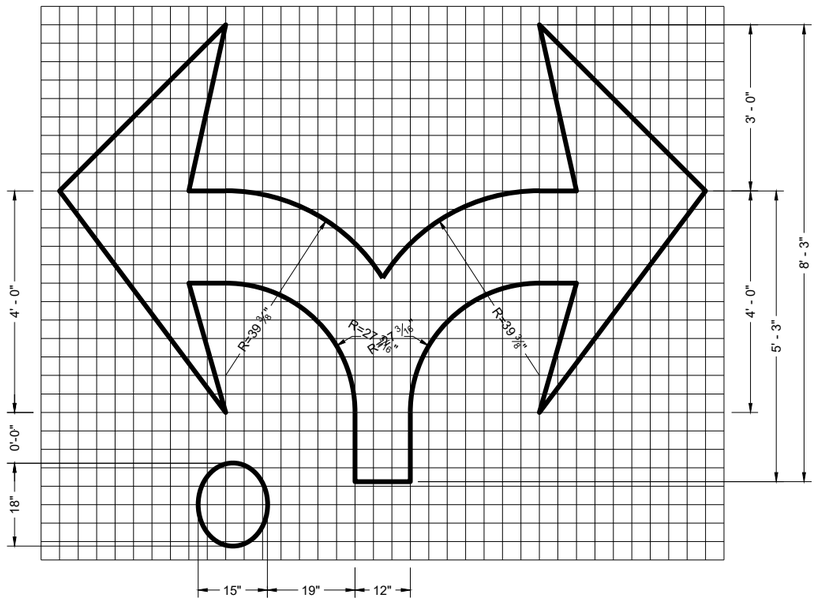
TYPE 2R



TYPE 3R



TYPE 6R



TYPE 7R

ROUNDABOUT MARKING ARROWS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2024
DATE

/S/ Matthew Rauch
STATE SIGNING AND MARKING ENGINEER

FHWA

6

SDD 15C07-16d

6

SDD 15C07-16d

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.

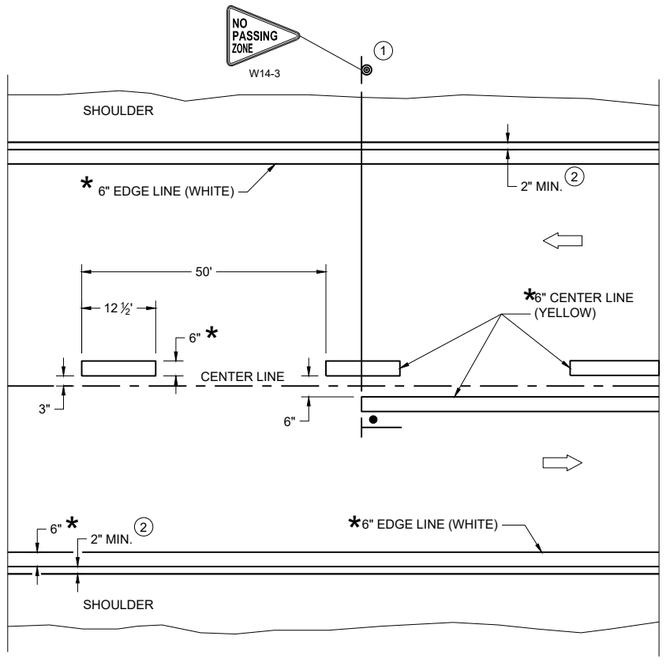
*CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES

LEGEND

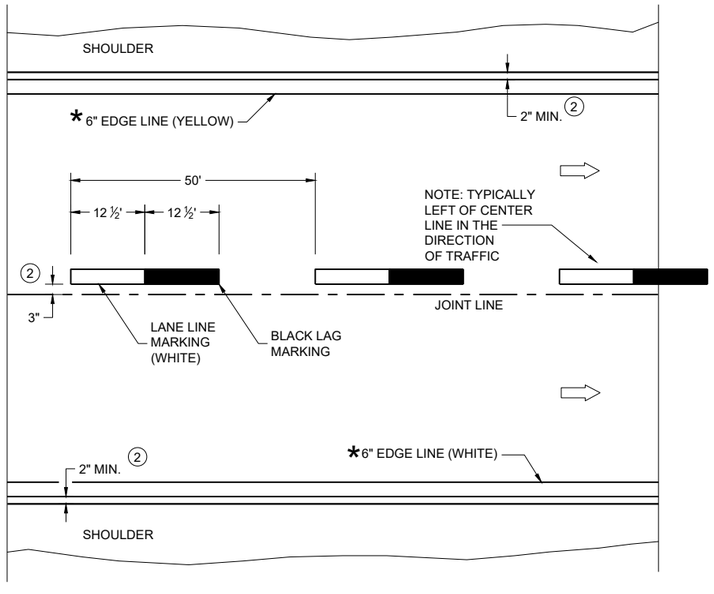
"T" MARKING

SIGN ON PERMANENT SUPPORT

DIRECTION OF TRAFFIC



TWO WAY TRAFFIC



ONE WAY TRAFFIC

PERMANENT PAVEMENT MARKING

PERMANENT LONGITUDINAL PAVEMENT MARKINGS	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED December 2024 DATE	/S/ Jeannie Silver Statewide Pavement Marking Engineer
FHWA	

6

SDD 15C08-24a

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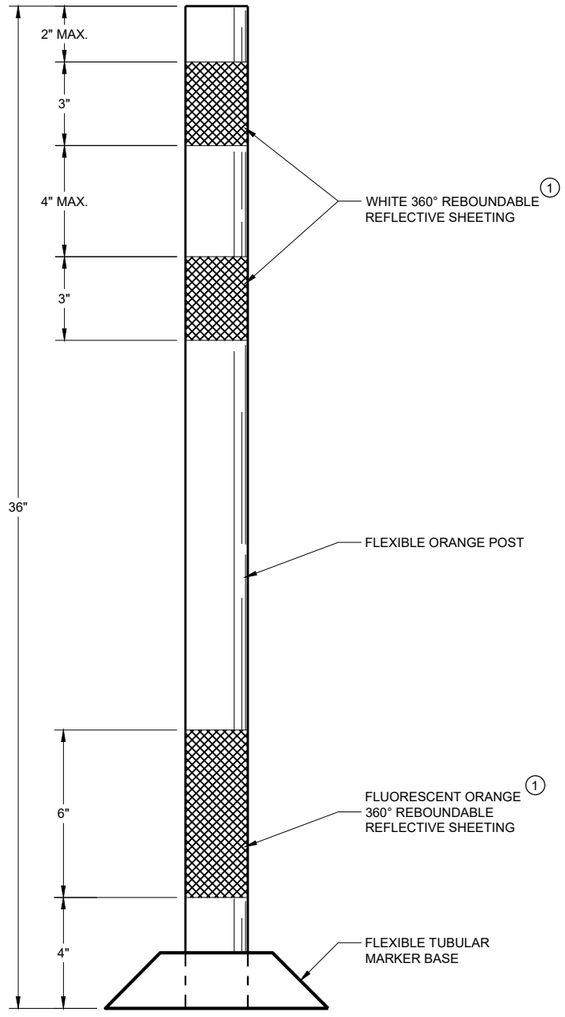
SDD 15C08-24a



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

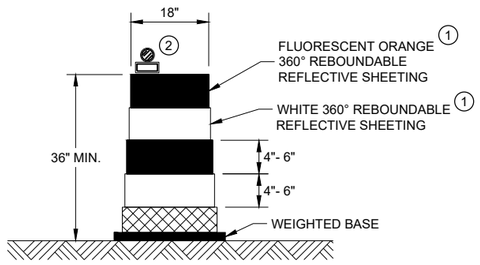
FHWA

6

SDD 15C11 - 10a

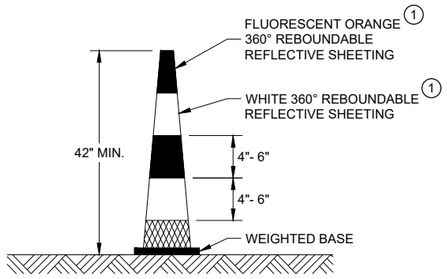
GENERAL NOTES

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

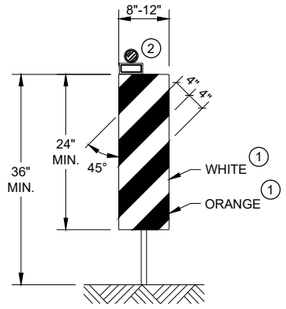
BALLAST WIDTHS
RANGE FROM 24"-36"



42" CONE

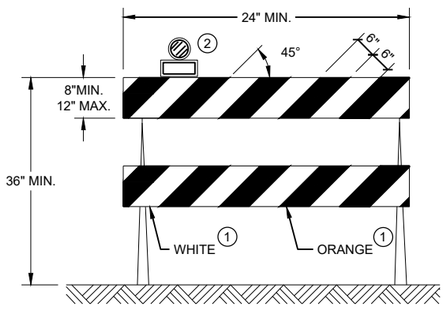
DO NOT USE IN TAPERS
½ SPACING OF DRUMS

BALLAST WIDTHS
RANGE FROM 14"-20"



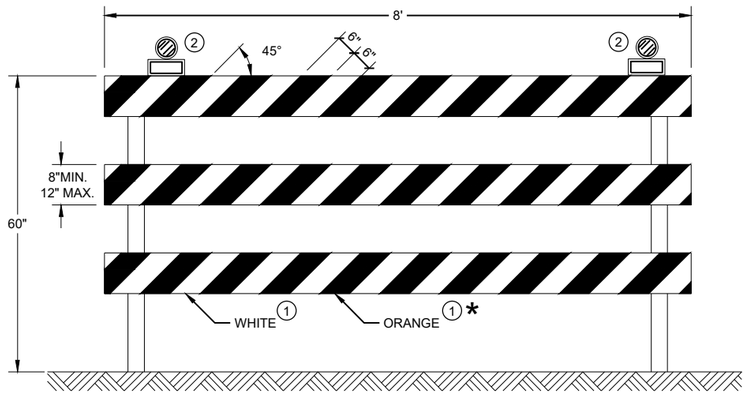
VERTICAL PANEL

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 ENGINEE

FHWA

6

SDD 15C11 - 10b

6

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.

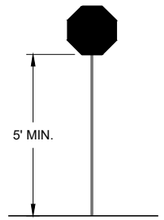
(3) EACH TEMPORARY PORTABLE RUMBLE STRIP ARRAY CONSISTS OF THREE RUMBLE STRIPS PLACED TRANSVERSE ACROSS THE LANE AT THE LOCATIONS SHOWN. WITHIN EACH ARRAY, SPACING BETWEEN RUMBLE STRIPS SHALL BE 15 FEET ON CENTER

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.



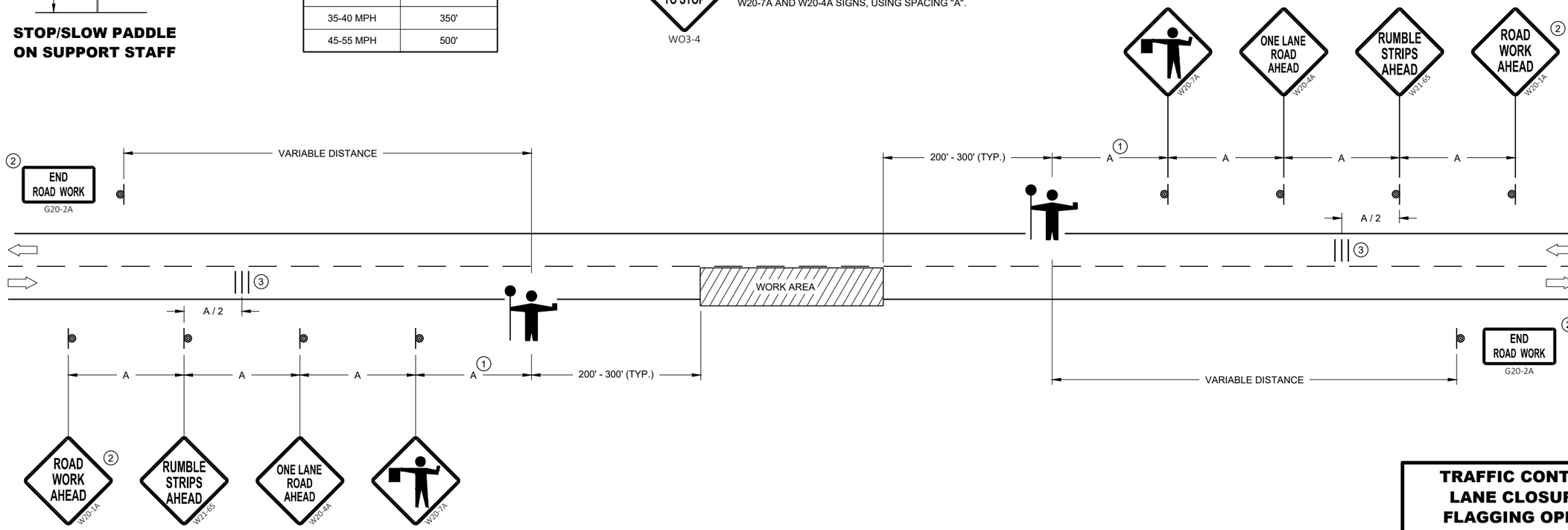
STOP/SLOW PADDLE ON SUPPORT STAFF

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

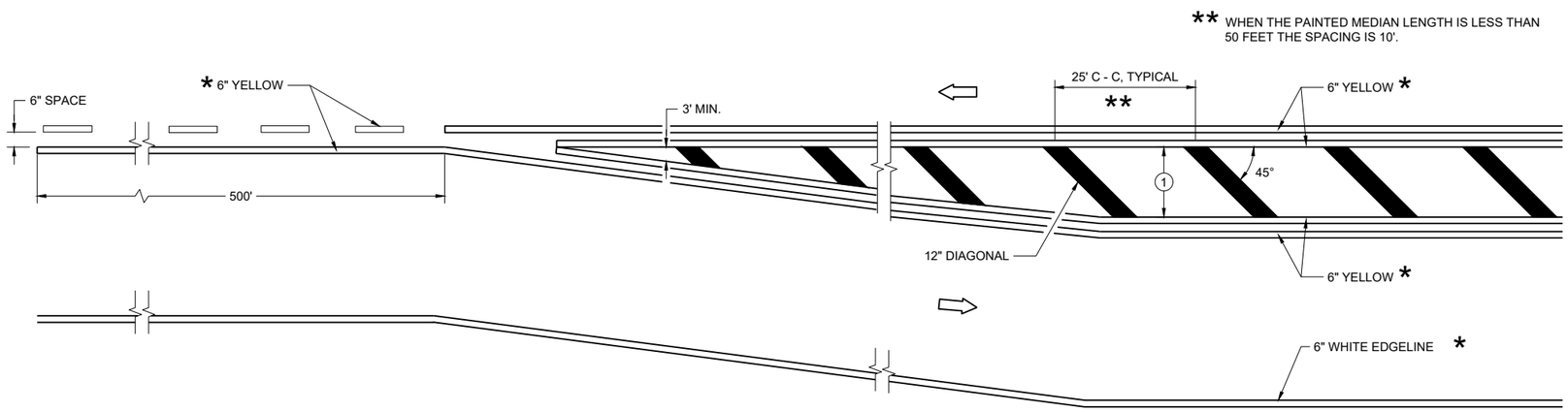
APPROVED
May 2022
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

SDD 15C12 - 09a

SDD 15C12 - 09a



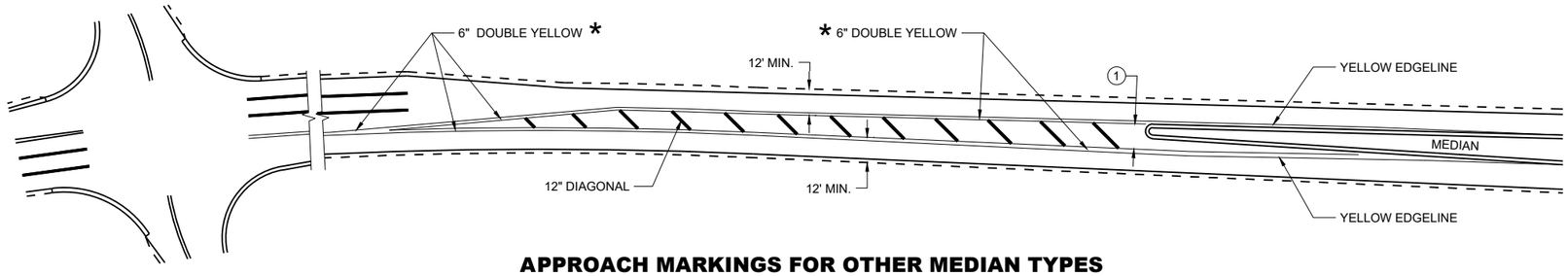
MEDIAN ISLAND DETAIL

GENERAL NOTES

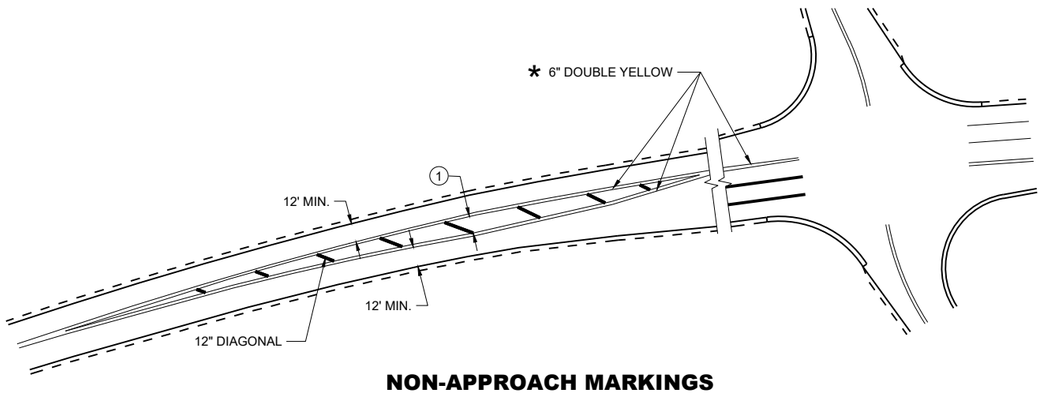
(1) DIAGONALS ARE OPTIONAL WHEN PAINTED ISLAND IS LESS THAN 6 FEET AT THE WIDEST POINT. OMIT DIAGONALS IF WIDTH IS LESS THAN 4 FEET.

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

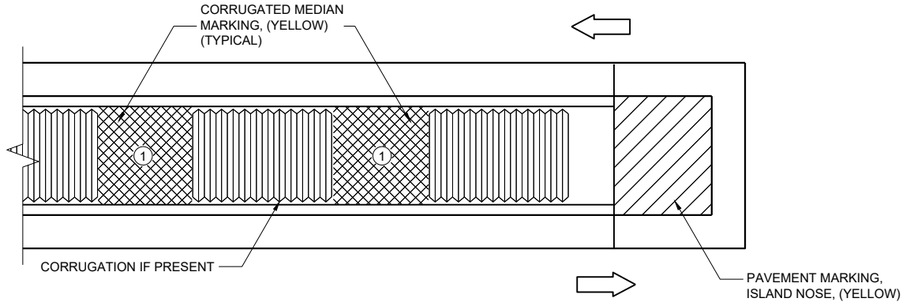
/S/ Jeannie Silver
Statewide Pavement Marking Engineer

FHWA

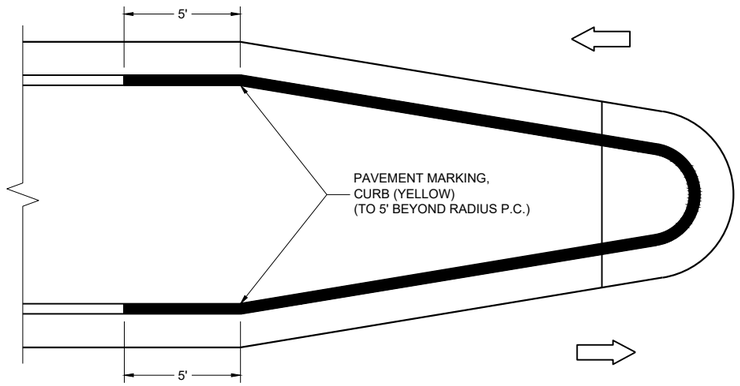
6

SDD 15C18-09a

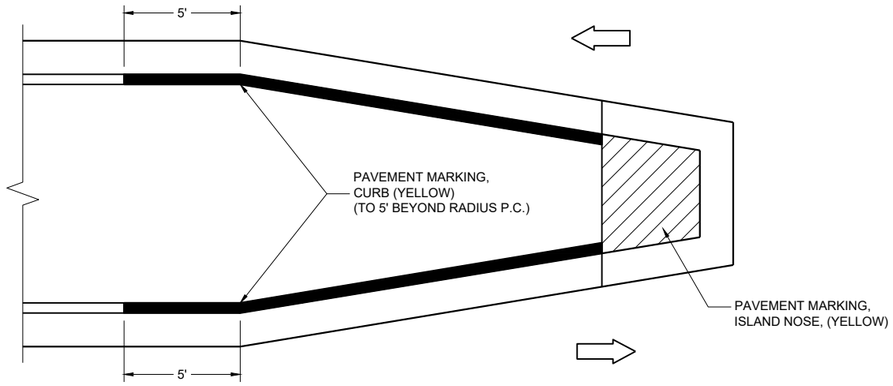
SDD 15C18-09a



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.

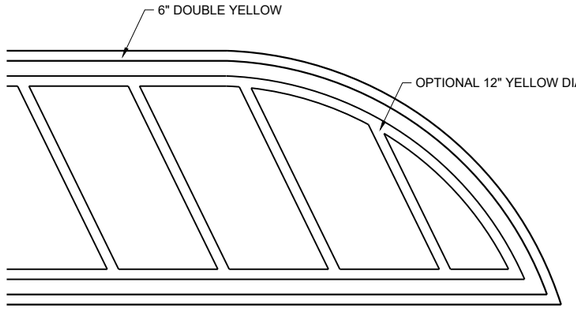
(1) APPLY PAVEMENT MARKING TO THE FLAT PORTION OF CORRUGATED MEDIAN.

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

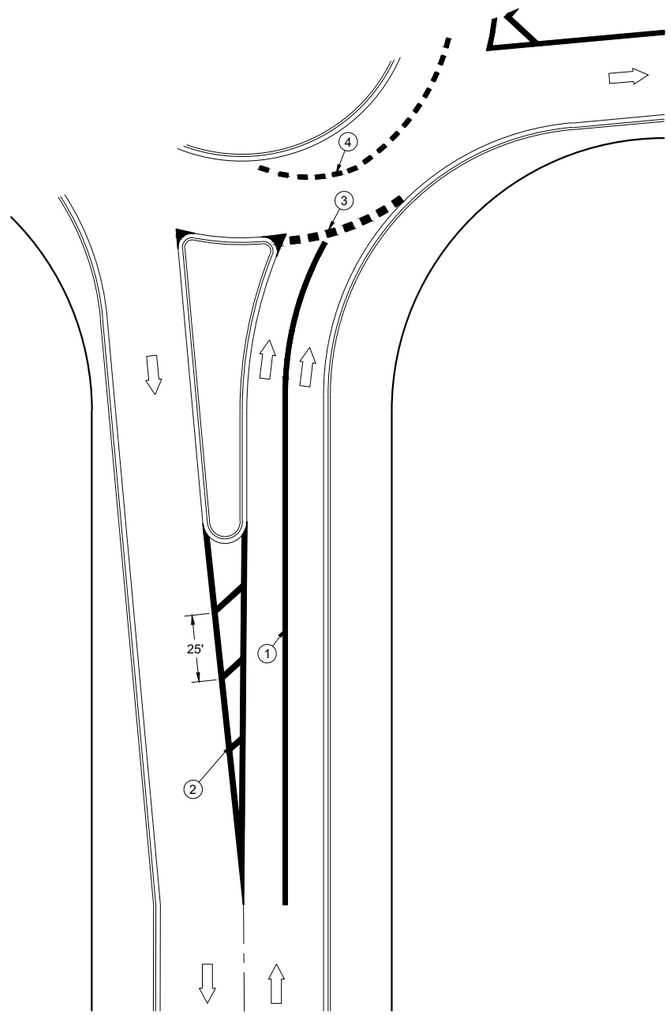
/S/ Jeannie Silver
Statewide Pavement Marking Engineer

FHWA

6
SDD 15C18-09b

LEGEND

- (1) 10" WHITE
- (2) 12" DIAGONALS AT 25' SPACING. (CAN BE OMITTED IF LESS THAN 6')
- (3) 18" WHITE, 2' LINE, 2' GAP
- (4) 6" LINE (6 FT LINE, 3'GAP)
- DIRECTION OF TRAFFIC
- CURB AND GUTTER
- RIGHT OF WAY



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SDD 15C22-01

DOTTED EXTENSION FOR ROUNDABOUT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
August 2024
DATE

/S/ Matthew Rauch
ROADWAY STANDARDS DEVELOPMENT
UNIT SUPERVISOR

FHWA

6

SDD 15C22-01

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.

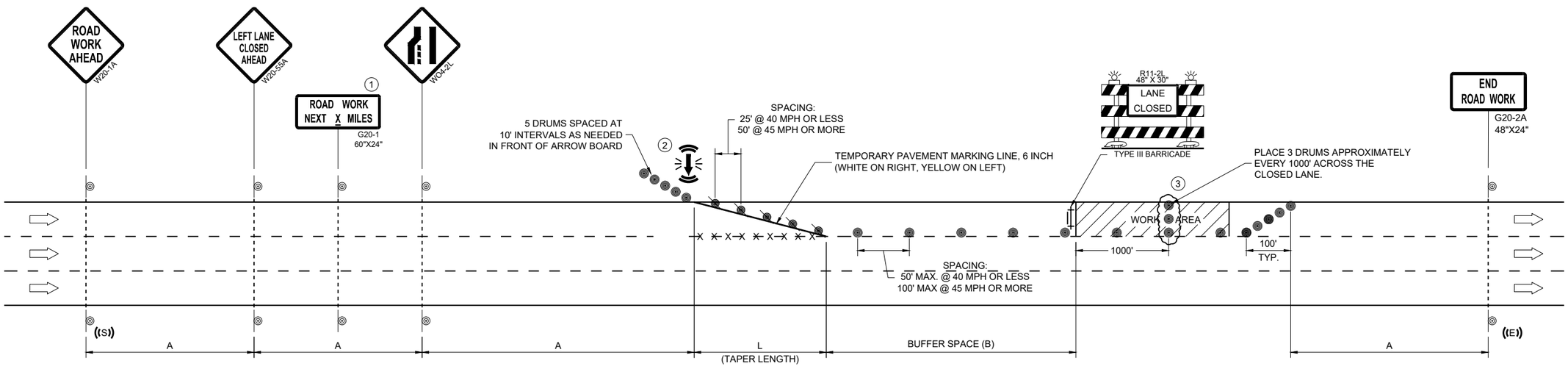
CHANNELIZING DEVICES PLACED ADJACENT TO WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

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
February 2025
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

6
SDD 15D20-10a

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.

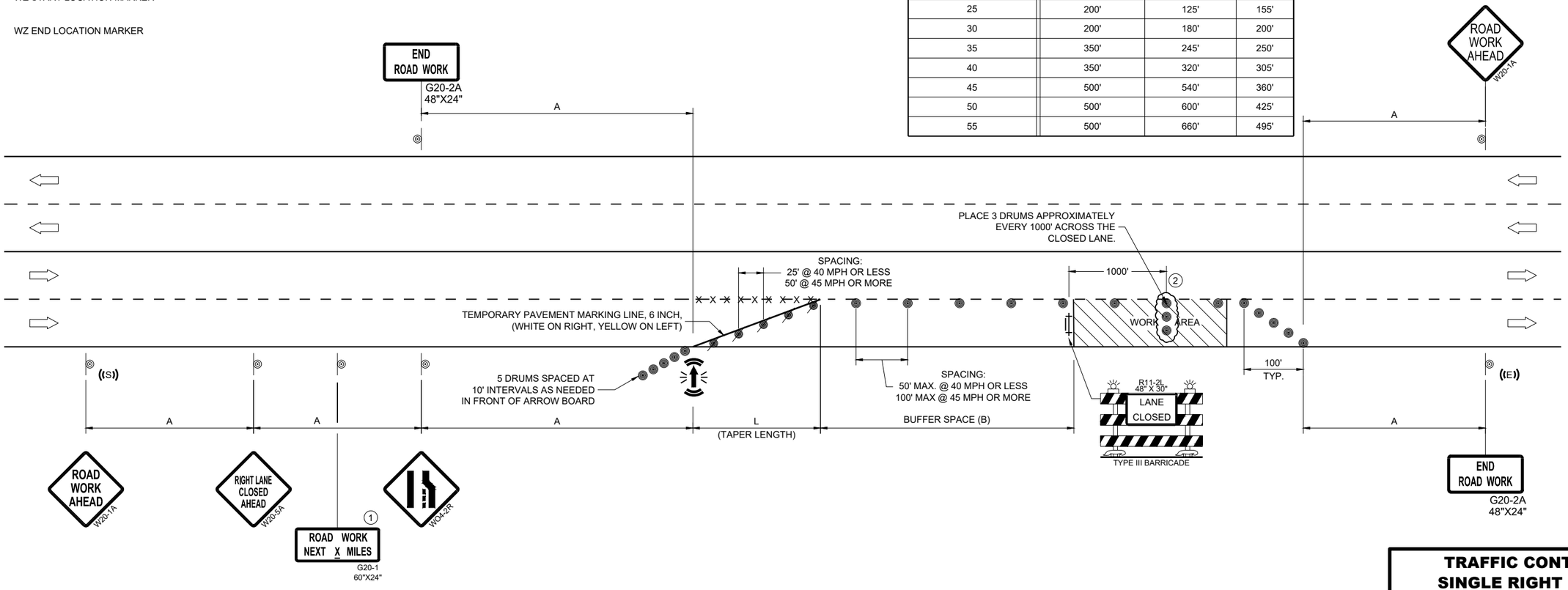
CHANNELIZING DEVICES PLACED ADJACENT TO WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

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

February 2025
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

6

SDD 15D20-10b

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.

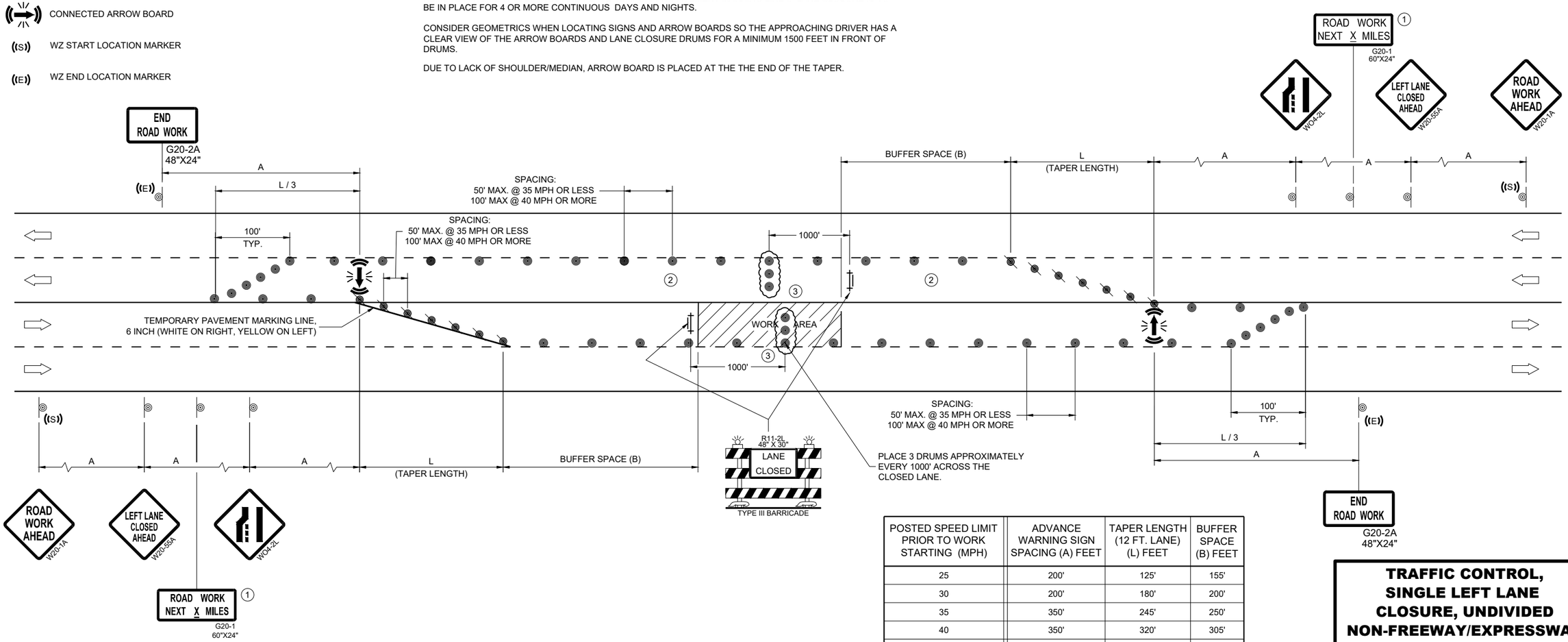
CHANNELIZING DEVICES PLACED ADJACENT TO WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

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

February 2025
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

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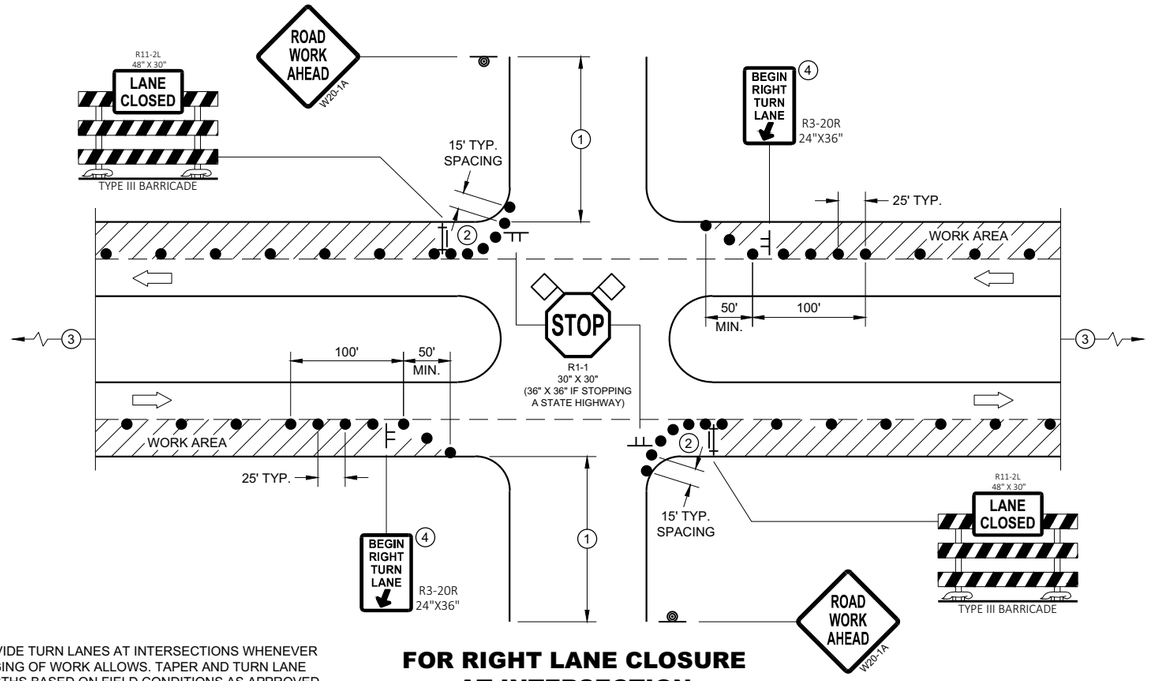
SDD 15D20-10c



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

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.

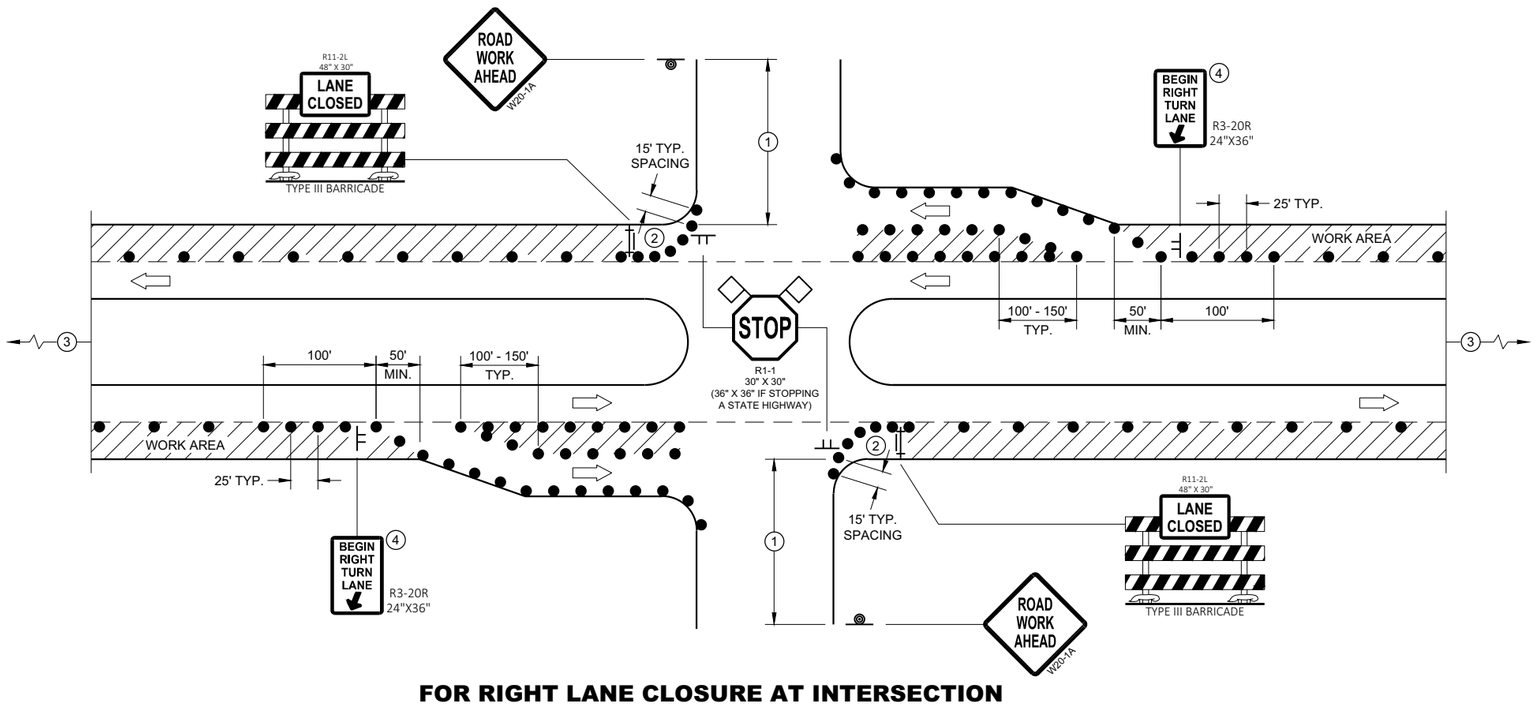
CHANNELIZING DEVICES PLACED ADJACENT TO WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

(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 RIGHT LANE CLOSURE AT INTERSECTION (WITH RIGHT 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 RIGHT LANE CLOSURE

SDD 15D21 - 07a

6

LEGEND

- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- DIRECTION OF TRAFFIC
- -X–X–X- REMOVE PAVEMENT MARKING (SEE GENERAL NOTES)
- WORK AREA
- CONNECTED ARROW BOARD
- ((S)) WZ START LOCATION MARKER
- ((E)) WZ END LOCATION MARKER

GENERAL NOTES

FOR WORK ON ROADWAYS WITH SPEEDS GREATER THAN 45 MPH, USE SDD 15D14.

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

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 LINES 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.

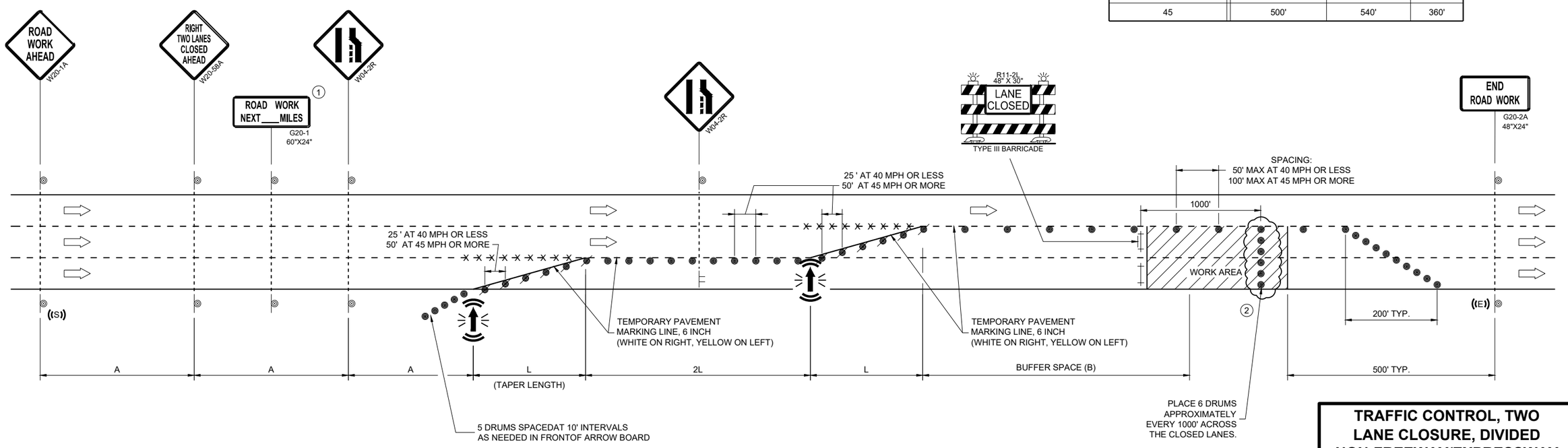
CHANNELIZING DEVICES PLACED ADJACENT TO WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

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'



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

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2025 — DATE
/S/ Andrew Heidtke — WORK ZONE ENGINEER

FHWA

6
SDD 15D22-08

LEGEND

- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- DIRECTION OF TRAFFIC
- CONNECTED ARROW BOARD
- WORK AREA
- (S) WZ START LOCATION MARKER
- (E) WZ END LOCATION MARKER

GENERAL NOTES

THIS DETAIL IS TYPICAL FOR CLOSING THE RIGHT SHOULDER. FOR CLOSING THE LEFT SHOULDER, REVERSE THE TRAFFIC CONTROL.

THIS DETAIL MAY BE USED FOR DIVIDED ROADWAYS WITH ANY NUMBER OF TRAVEL LANES.

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED.

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.

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

WHEN A RAMP OR SIDE ROAD INTERSECTS THE FACILITY ON WHICH THE WORK IS BEING PERFORMED, ADDITIONAL TRAFFIC CONTROLS SHALL BE PROVIDED AS SPECIFIED IN THE PLANS AND/OR SPECIAL PROVISIONS OR AS APPROVED BY THE ENGINEER.

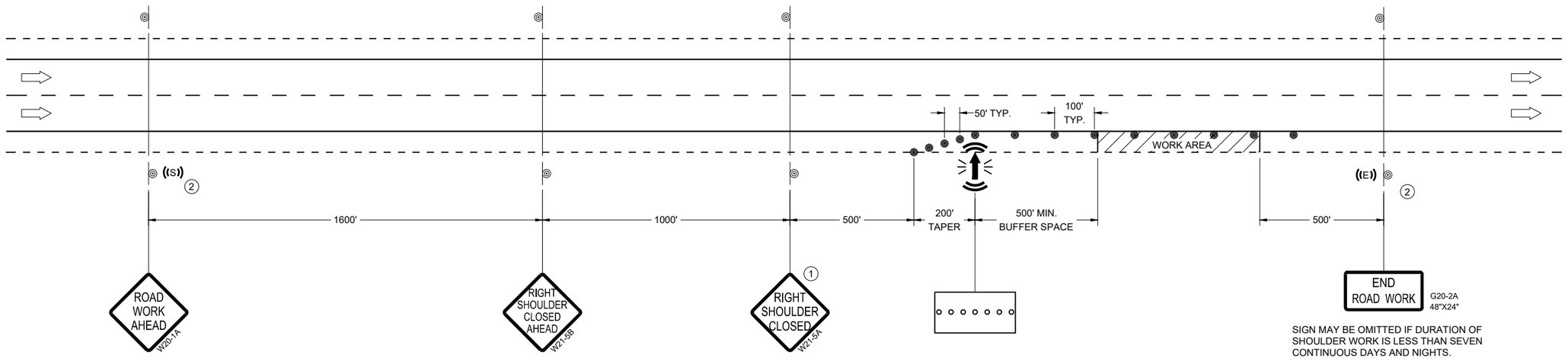
CHANNELIZING DEVICES PLACED ADJACENT TO WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

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

(1) FOR SHORT DURATION SHOULDER WORK OF LESS THAN ONE HOUR THE W21-5A SIGN MAY BE OMITTED.

(2) IF ALREADY PRESENT WITHIN PROJECT , DO NOT INCLUDE ADDITIONAL DEVICE.



SIGN MAY BE OMITTED IF DURATION OF SHOULDER WORK IS LESS THAN SEVEN CONTINUOUS DAYS AND NIGHTS.

TRAFFIC CONTROL, SHOULDER CLOSURE ON DIVIDED ROADWAY, SPEEDS GREATER THAN 40 MPH

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

February 2025
DATE

/S/ Andrew Heidtke
STATEWIDE WORK ZONE TRAFFIC SAFETY ENGINEER

FHWA

6

SDD 15D27-04

6

SDD 15D27-04

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.

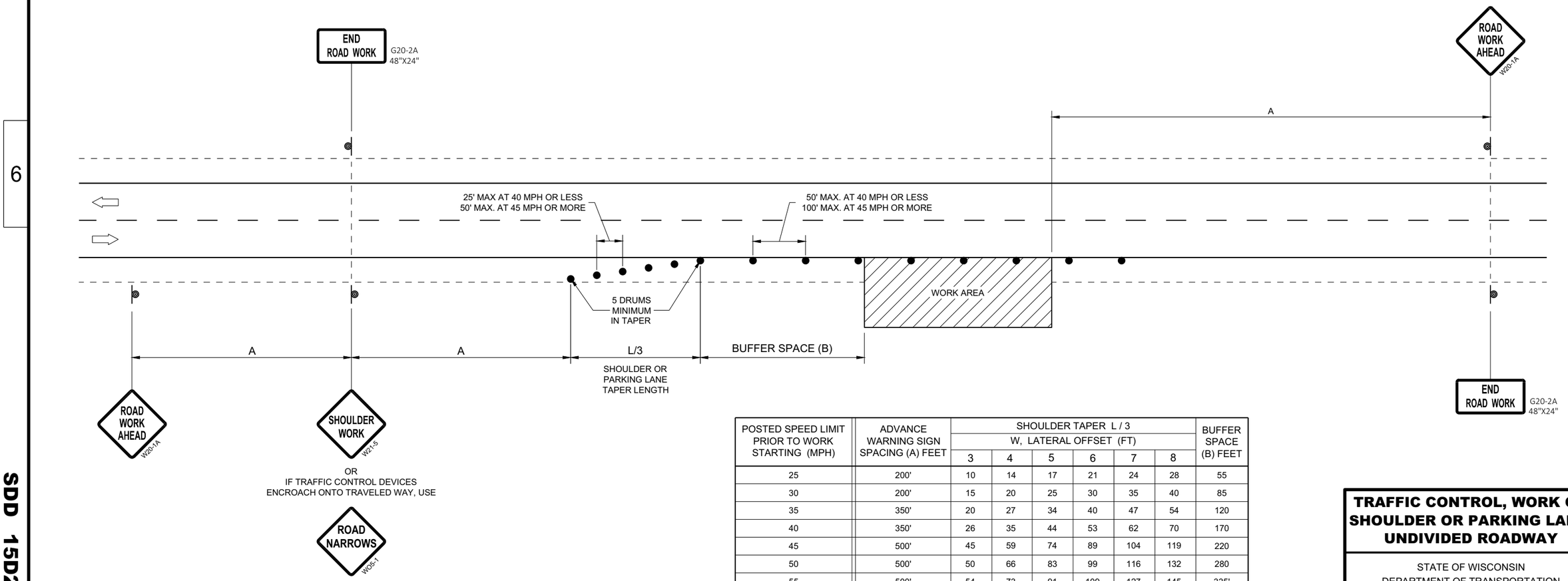
ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH THE TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

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	55
30	200'	15	20	25	30	35	40	85
35	350'	20	27	34	40	47	54	120
40	350'	26	35	44	53	62	70	170
45	500'	45	59	74	89	104	119	220
50	500'	50	66	83	99	116	132	280
55	500'	54	73	91	109	127	145	335'

TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2020
DATE

/S/ Andrew Heidtke
STATEWIDE WORK ZONE T SAFETY ENGINEER

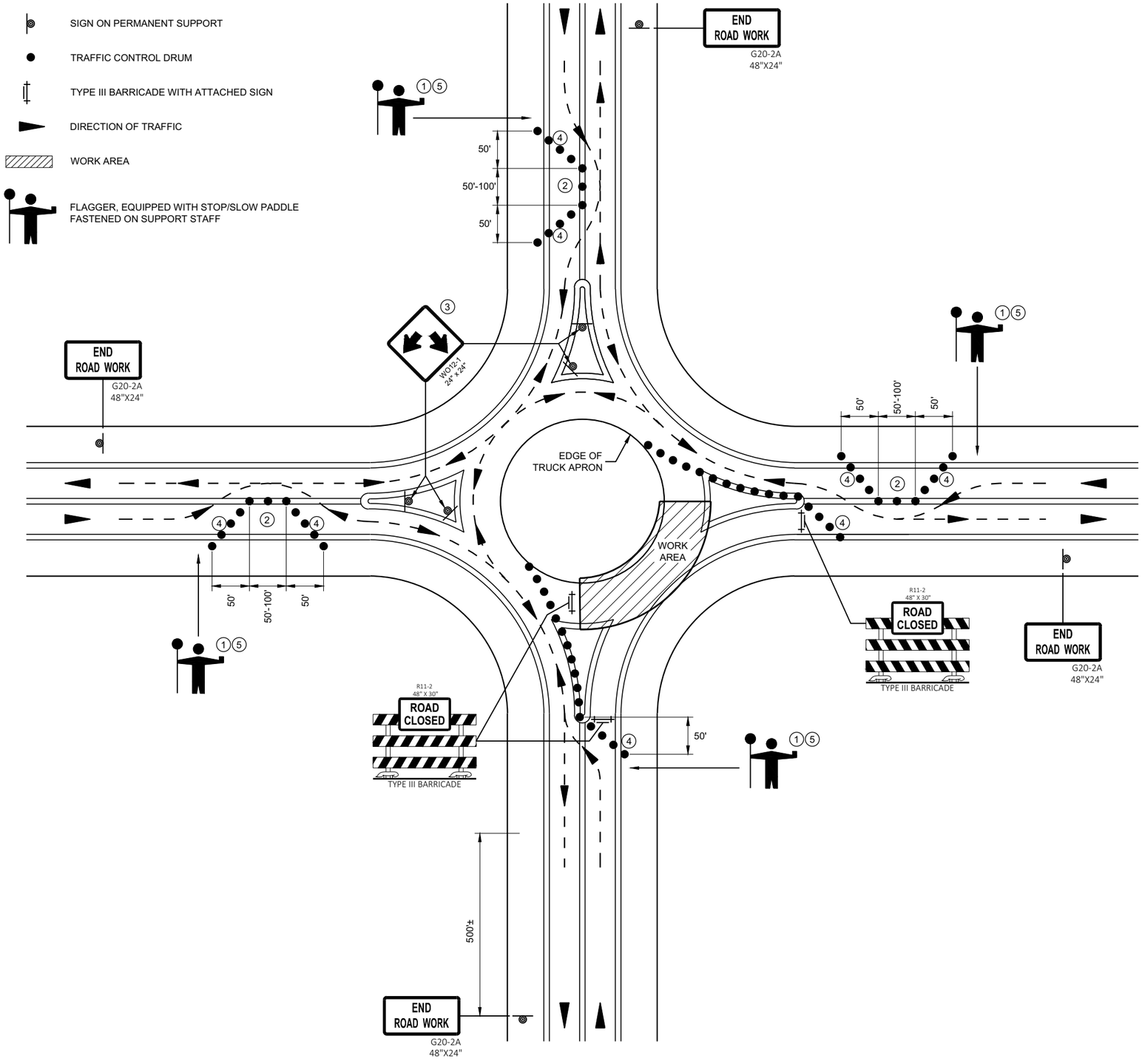
FHWA

6

SDD 15D28 - 04

LEGEND

- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TYPE III BARRICADE WITH ATTACHED SIGN
- DIRECTION OF TRAFFIC
- WORK AREA
- FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF



GENERAL NOTES

ALL SIGNS ARE 48"X48" BLACK ON ORANGE UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS, 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

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.

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

ONLY ONE QUADRANT OF TRAFFIC SHALL BE RELEASED AT A TIME.

FLAGGERS SHALL CONTROL TRAFFIC ON ALL APPROACHES OF THE ONE-LANE ROUNDABOUT. ONE FLAGGER SHALL BE DESIGNATED LEAD FLAGGER.

NIGHT TIME WORK REQUIRES ADDITIONAL LIGHTING AT FLAGGER STATION(S).

1. FLAGGERS SHALL BE IN DIRECT RADIO CONTACT AT ALL TIMES. THEY SHALL BE EQUIPPED WITH STOP/SLOW PADDLES FASTENED ON SUPPORT STAFFS. WHEN THE FLAGGING IS NOT IN EFFECT, COVER OR REMOVE ALL TEMPORARY TRAFFIC CONTROL SIGNS.
2. ADJUST CHANNELIZING DEVICES TO ACCOMMODATE FOR TURNING RADIUS OF LARGE VEHICLES AS DIRECTED BY THE ENGINEER.
3. GUIDE SIGN WITH ROAD NAMES MAY BE USED IN LIEU OF THE DOUBLE ARROW (WO12-1) SIGN.
4. THE TWO- WAY TAPER SHOULD BE 50 FEET USING 5 EQUALLY SPACED DRUMS.
5. FOLLOW SDD 15C12 FOR FLAGGING AND ADVANCE WARNING.

RECOMMENDED REDUCED DRUM SPACING WITHIN ROUNDABOUT

MPH	DRUM SPACING (FT)
0-40	25
45-55	50

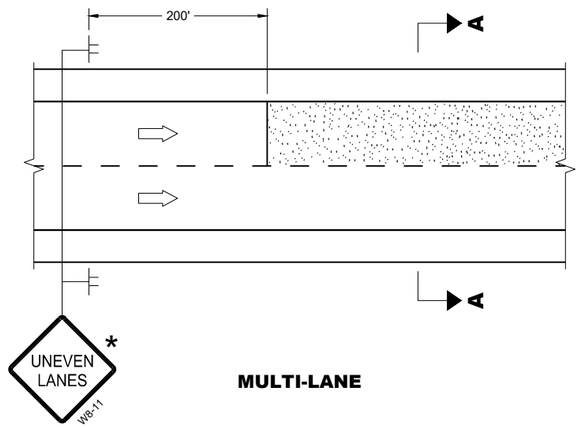
TRAFFIC CONTROL, FLAGGING OPERATION, ROUNDABOUT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

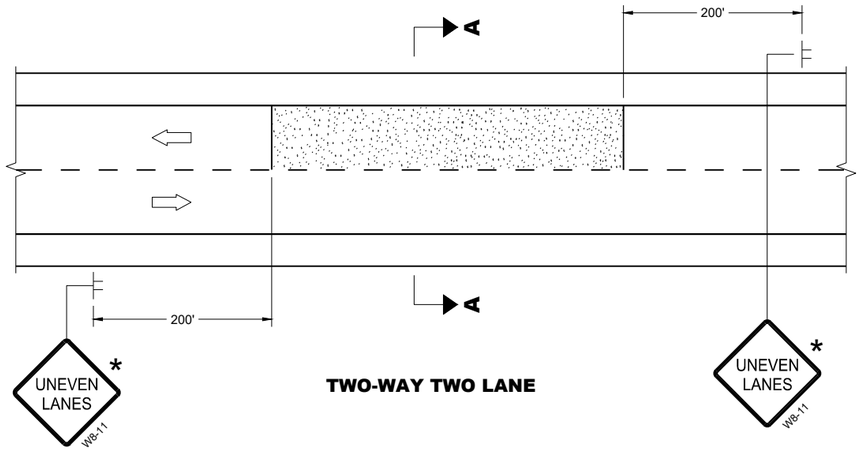
APPROVED
May 2020 — DATE
/S/ Andrew Heidtke — STATEWIDE WORK ZONE T SAFETY ENGINEER

FHWA

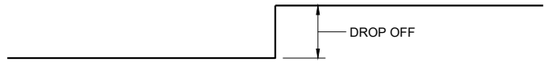
6
SDD 15D37 - 03



MULTI-LANE

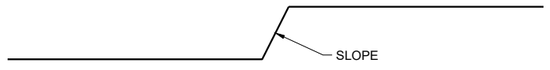


TWO-WAY TWO LANE

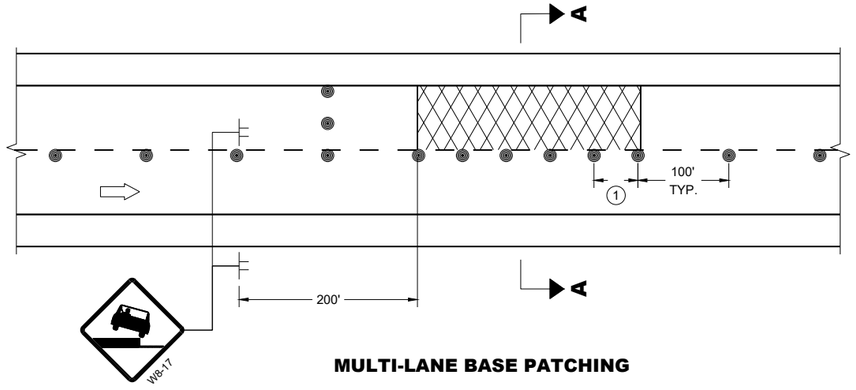


SECTION A - A

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.

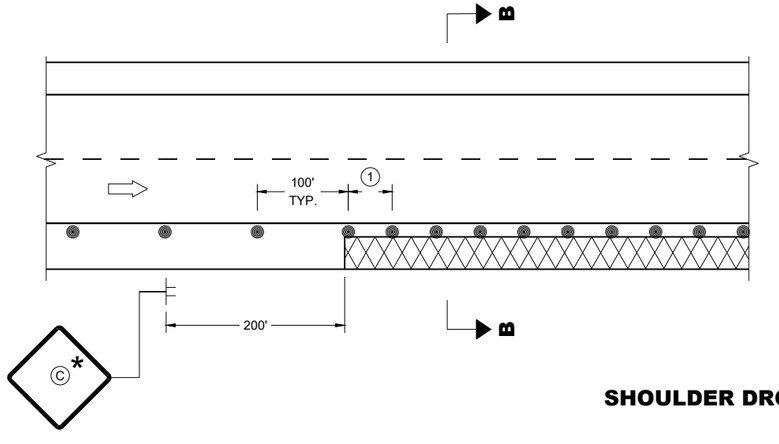
WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.

* IF THE DROP-OFF IS CONTINUOUS ALONG THE PROJECT, PLACE ADDITIONAL SIGNS EVERY 1 MILE AND AFTER EVERY ENTRANCE RAMP.

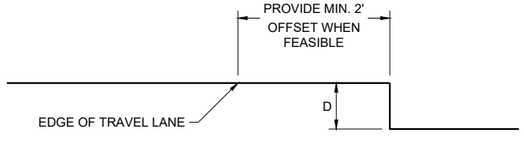
(1) USE CLOSER SPACING WHEN DELINEATING DROP-OFF.

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 W08-9
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

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
- REMOVING PAVEMENT MARKING (SEE GENERAL NOTES)
- CONCRETE BARRIER TEMPORARY PRECAST

POSTED SPEED LIMIT PRIOR TO WORK STARTING (MPH)	ADVANCE WARNING SIGN SPACING (A) FEET	SHIFTING TAPER L/2 W, LATERAL OFFSET (FT)					BUFFER SPACE (B) FEET
		10	11	12	13	14	
25	200	52	57	63	68	73	155
30	200	75	83	90	98	105	200
35	350	102	112	123	133	143	250
40	350	133	147	160	173	187	305
45	500	225	248	270	293	315	360

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.

THE SPACING BETWEEN SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A MINIMUM OF 200 FEET, (500 FEET DESIRABLE) DISTANCE TO EXISTING SIGNS.

THIS LANE CLOSURE IS TYPICAL FOR LANE SHIFT RIGHT - REVERSE FOR SHIFTING LEFT.

ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED.

"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. NO WARNING LIGHTS SHALL BE WORKING ON ANY "COVERED" OR "DOWNED" SIGNS.

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

FOR A LANE CLOSURE THAT IS IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS, THE ADVANCED WARNING SIGNS MAY BE MOUNTED ON PORTABLE SUPPORTS.

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

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

IF THE HORIZONTAL ALIGNMENT IS SUCH THAT A CURVE MAY REQUIRE ADDITIONAL DELINEATION, THE DEVICE SPACING MAY BE DECREASED TO 50 FEET.

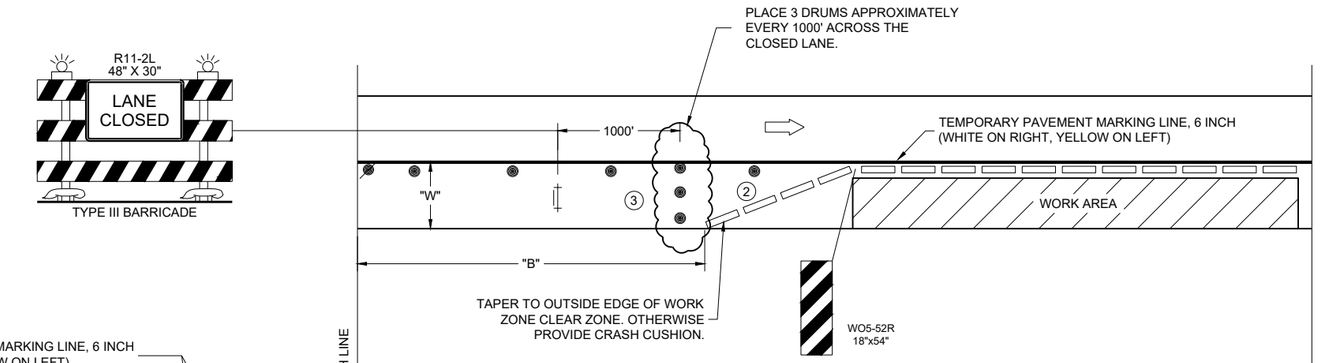
ADJUSTMENTS IN BUFFER SPACE NEED TO BE INCORPORATED WHEN THE LANE SHIFT OCCURS NEAR AN INTERCHANGE EXIT OR ENTRANCE RAMP. THE LANE SHIFT MUST TAKE PLACE FAR ENOUGH IN ADVANCE OF AN EXIT OR ENTRANCE RAMP TO STILL ALLOW FOR ADEQUATE BUFFER

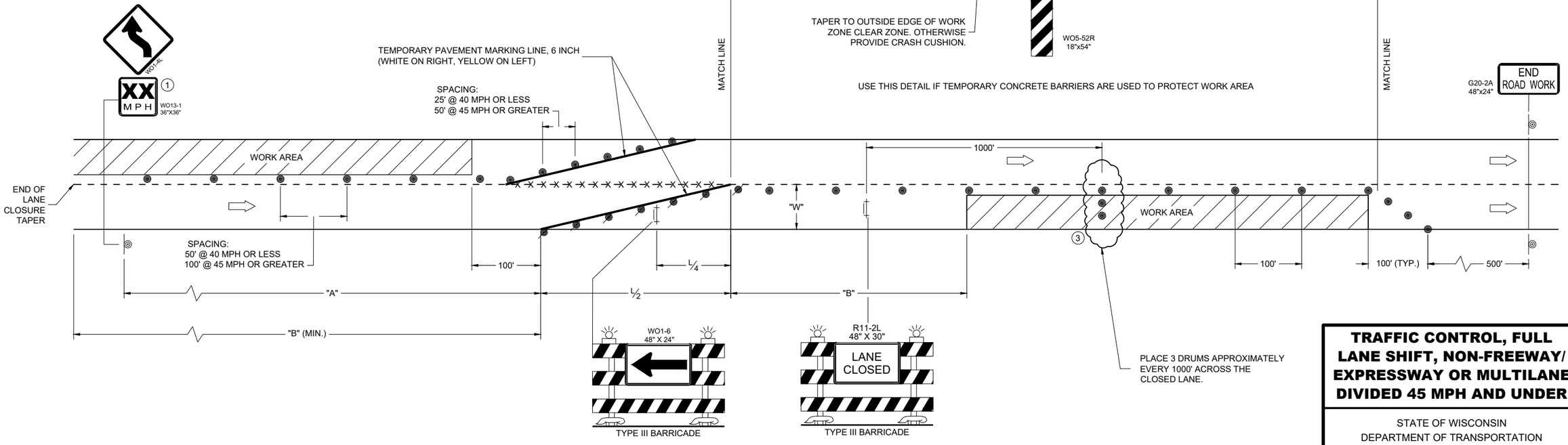
SPACE. THE MINIMUM LENGTH OF THE BUFFER SPACE BEFORE AN EXIT RAMP SHOULD BE 1/2 THE LENGTH OF THE TRANSITION AREA. THE ENTRANCE RAMP SHOULD BE FOLLOWED BY THE ORIGINAL BUFFER SPACE LENGTH OF 800 FEET DESIRABLE PRIOR TO ANOTHER TRAFFIC CONTROL
CHANGE SUCH AS A CROSSOVER MANEUVER.

(1) USE ONLY IF DESIGN SPEED IS 10 MPH BELOW POSTED SPEED.

(2) BARRIER FLARE RATE: 6:1 @ 40 MPH OR LESS
8:1 @ 45 MPH OR GREATER

(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.





TRAFFIC CONTROL, FULL LANE SHIFT, NON-FREEWAY/ EXPRESSWAY OR MULTILANE DIVIDED 45 MPH AND UNDER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2025
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

6
SDD 15D40-06a

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
- REMOVING PAVEMENT MARKING (SEE GENERAL NOTES)
- CONCRETE BARRIER TEMPORARY PRECAST

POSTED SPEED LIMIT PRIOR TO WORK STARTING (MPH)	SHIFTING TAPER L/2 W, LATERAL OFFSET (FT)				
	10	11	12	13	14
50	250	275	300	325	350
55	275	303	330	358	385
60	300	330	360	390	420
65	325	358	390	423	455
70	350	385	420	455	490

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.

THE SPACING BETWEEN SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A MINIMUM OF 200 FEET, (500 FEET DESIRABLE) DISTANCE TO EXISTING SIGNS.

THIS LANE CLOSURE IS TYPICAL FOR LANE SHIFT RIGHT - REVERSE FOR SHIFTING LEFT.

ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED.

"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. NO WARNING LIGHTS SHALL BE WORKING ON ANY "COVERED" OR "DOWNED" SIGNS.

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

FOR A LANE CLOSURE THAT IS IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS, THE ADVANCED WARNING SIGNS MAY BE MOUNTED ON PORTABLE SUPPORTS.

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

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

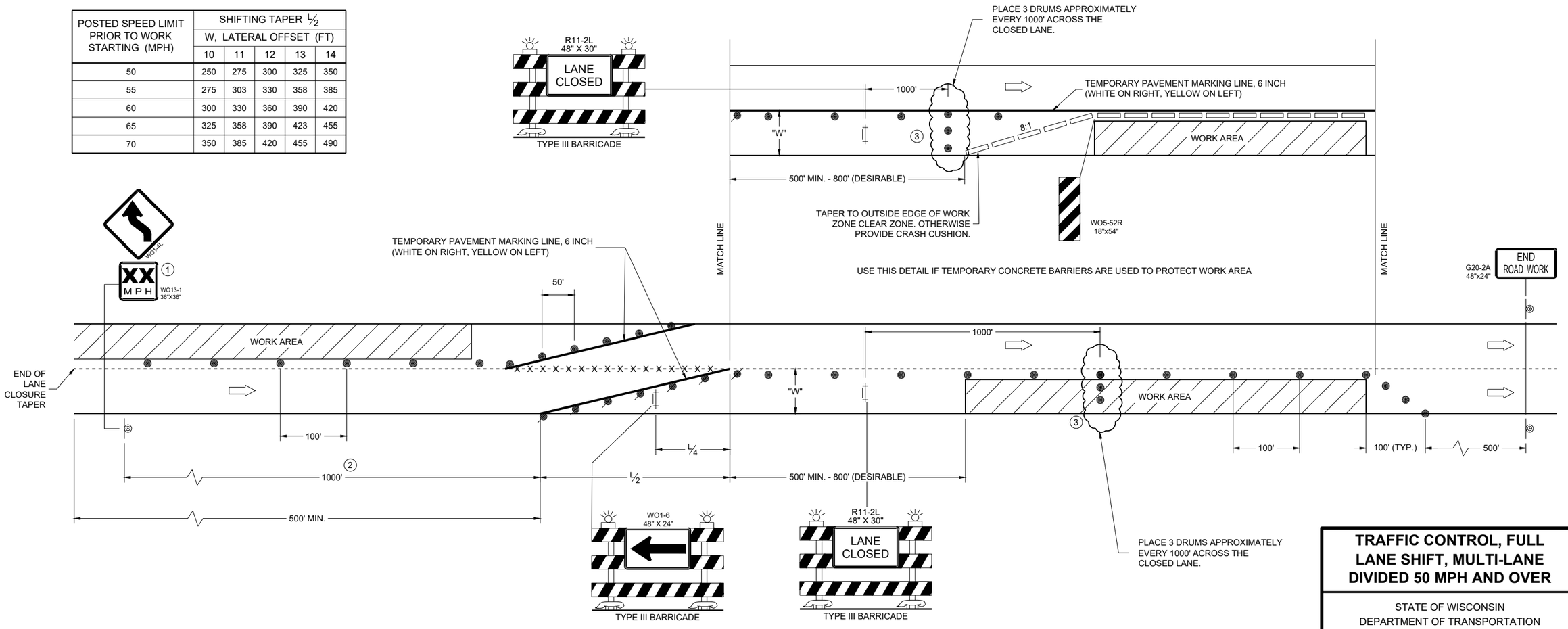
IF THE HORIZONTAL ALIGNMENT IS SUCH THAT A CURVE MAY REQUIRE ADDITIONAL DELINEATION, THE DEVICE SPACING MAY BE DECREASED TO 50 FEET.

ADJUSTMENTS IN BUFFER SPACE NEED TO BE INCORPORATED WHEN THE LANE SHIFT OCCURS NEAR AN INTERCHANGE EXIT OR ENTRANCE RAMP. THE LANE SHIFT MUST TAKE PLACE FAR ENOUGH IN ADVANCE OF AN EXIT OR ENTRANCE RAMP TO STILL ALLOW FOR ADEQUATE BUFFER SPACE. THE MINIMUM LENGTH OF THE BUFFER SPACE BEFORE AN EXIT RAMP SHOULD BE THE LENGTH OF ½ THE TRANSITION AREA. THE ENTRANCE RAMP SHOULD BE FOLLOWED BY THE ORIGINAL BUFFER SPACE LENGTH OF 800 FEET DESIRABLE PRIOR TO ANOTHER TRAFFIC CONTROL CHANGE SUCH AS A CROSSOVER MANEUVER.

(1) USE ONLY IF DESIGN SPEED IS 10 MPH BELOW POSTED SPEED.

(2) IF BEGINNING OF LANE SHIFT IS 1200' OF LESS FROM THE END OF THE LANE CLOSURE TAPER, PLACE THE WO1-4L SIGN 200 FEET AFTER THE END OF THE LANE CLOSURE 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.



TRAFFIC CONTROL, FULL LANE SHIFT, MULTI-LANE DIVIDED 50 MPH AND OVER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2025 — DATE
/S/ Andrew Heidtke — WORK ZONE ENGINEER

FHWA

6

SDD 15D40-06b

6

SDD 15D40-06b

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
- REMOVING PAVEMENT MARKING (SEE GENERAL NOTES)
- CONCRETE BARRIER TEMPORARY PRECAST

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.

THE SPACING BETWEEN SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A MINIMUM OF 200 FEET, (500 FEET DESIRABLE) DISTANCE TO EXISTING SIGNS.

THIS LANE CLOSURE IS TYPICAL FOR LANE SHIFT LEFT - REVERSE FOR SHIFTING RIGHT.

ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED.

"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. NO WARNING LIGHTS SHALL BE WORKING ON ANY "COVERED" OR "DOWNED" SIGNS.

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

FOR A LANE CLOSURE THAT IS IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS, THE ADVANCED WARNING SIGNS MAY BE MOUNTED ON PORTABLE SUPPORTS.

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

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

IF THE HORIZONTAL ALIGNMENT IS SUCH THAT A CURVE MAY REQUIRE ADDITIONAL DELINEATION, THE DEVICE SPACING MAY BE DECREASED TO 50 FEET.

ADJUSTMENTS IN BUFFER SPACE NEED TO BE INCORPORATED WHEN THE LANE SHIFT OCCURS NEAR AN INTERCHANGE EXIT OR ENTRANCE RAMP. THE LANE SHIFT MUST TAKE PLACE FAR ENOUGH IN ADVANCE OF AN EXIT OR ENTRANCE RAMP TO STILL ALLOW FOR ADEQUATE BUFFER SPACE. THE MINIMUM LENGTH OF THE BUFFER SPACE BEFORE AN EXIT RAMP SHOULD BE 1/2 THE LENGTH OF THE TRANSITION AREA. THE ENTRANCE RAMP SHOULD BE FOLLOWED BY THE ORIGINAL BUFFER SPACE LENGTH OF 800 FEET DESIRABLE PRIOR TO ANOTHER TRAFFIC CONTROL CHANGE SUCH AS A CROSSOVER MANEUVER.

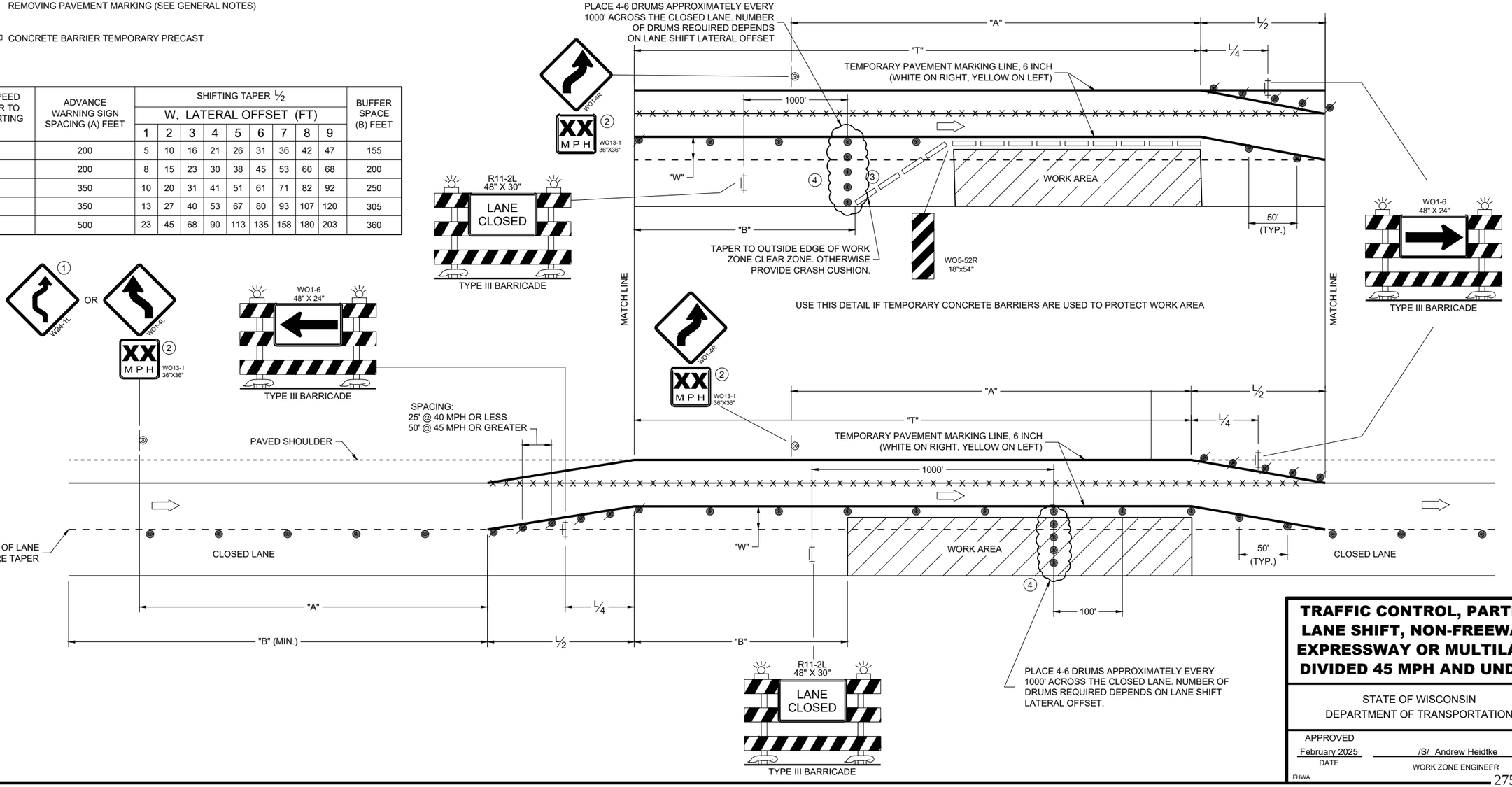
(1) USE ONLY WHEN T<600', OMIT WO1-4R.

(2) IF NEEDED, USE ONLY IF DESIGN SPEED IS 10 MPH BELOW POSTED SPEED.

(3) BARRIER FLARE RATE: 6:1 @ 40 MPH OR LESS
8:1 @ 45 MPH OR GREATER

(4) 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	SHIFTING TAPER 1/2 W, LATERAL OFFSET (FT)									BUFFER SPACE (B) FEET
		1	2	3	4	5	6	7	8	9	
25	200	5	10	16	21	26	31	36	42	47	155
30	200	8	15	23	30	38	45	53	60	68	200
35	350	10	20	31	41	51	61	71	82	92	250
40	350	13	27	40	53	67	80	93	107	120	305
45	500	23	45	68	90	113	135	158	180	203	360



TRAFFIC CONTROL, PARTIAL LANE SHIFT, NON-FREEWAY/ EXPRESSWAY OR MULTILANE DIVIDED 45 MPH AND UNDER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2025
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEFR

FHWA

6
SDD 15D40-06c

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
- REMOVING PAVEMENT MARKING (SEE GENERAL NOTES)
- CONCRETE BARRIER TEMPORARY PRECAST

POSTED SPEED LIMIT PRIOR TO WORK STARTING (MPH)	SHIFTING TAPER L/2 W, LATERAL OFFSET (FT)								
	1	2	3	4	5	6	7	8	9
50	25	50	75	100	125	150	175	200	225
55	28	55	83	110	138	165	193	220	248
60	30	60	90	120	150	180	210	240	270
65	33	65	98	130	163	195	228	260	293
70	35	70	105	140	175	210	245	280	315

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.

THE SPACING BETWEEN SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A MINIMUM OF 200 FEET, (500 FEET DESIRABLE) DISTANCE TO EXISTING SIGNS.

THIS LANE CLOSURE IS TYPICAL FOR LANE SHIFT LEFT - REVERSE FOR SHIFTING RIGHT.

ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED.

"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. NO WARNING LIGHTS SHALL BE WORKING ON ANY "COVERED" OR "DOWNED" SIGNS.

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

FOR A LANE CLOSURE THAT IS IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS, THE ADVANCED WARNING SIGNS MAY BE MOUNTED ON PORTABLE SUPPORTS.

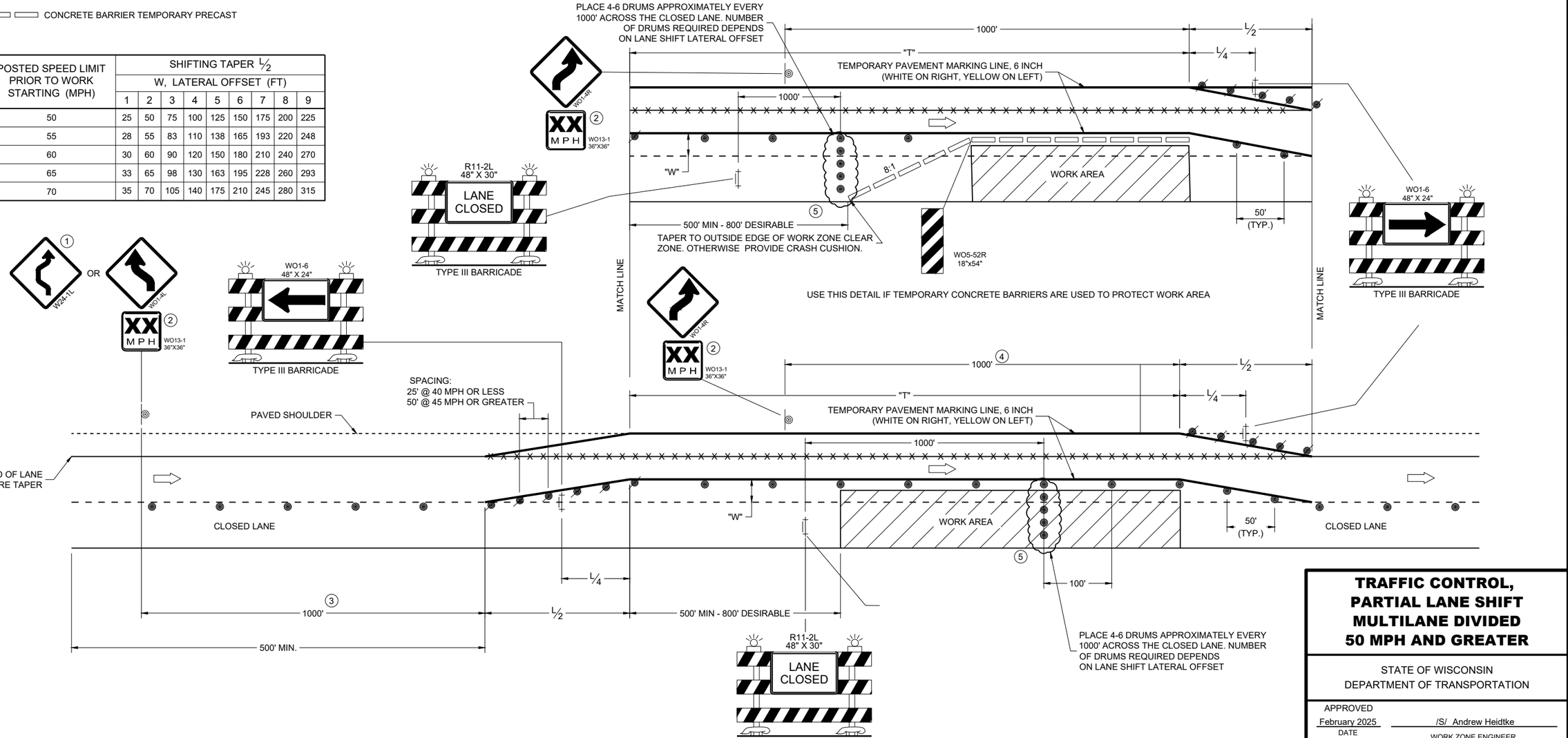
REMOVE PAVEMENT MARKINGS AND PLACE TEMPORARY PAVEMENT MARKING LINES IF LANE CLOSURE IS TO BE IN PLACE FOR 4 OR MORE CONTINUOUS DAYS AND NIGHTS.

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

IF THE HORIZONTAL ALIGNMENT IS SUCH THAT A CURVE MAY REQUIRE ADDITIONAL DELINEATION, THE DEVICE SPACING MAY BE DECREASED TO 50 FEET.

ADJUSTMENTS IN BUFFER SPACE NEED TO BE INCORPORATED WHEN THE LANE SHIFT OCCURS NEAR AN INTERCHANGE EXIT OR ENTRANCE RAMP. THE LANE SHIFT MUST TAKE PLACE FAR ENOUGH IN ADVANCE OF AN EXIT OR ENTRANCE RAMP TO STILL ALLOW FOR ADEQUATE BUFFER SPACE. THE MINIMUM LENGTH OF THE BUFFER SPACE BEFORE AN EXIT RAMP SHOULD BE 1/2 THE LENGTH OF THE TRANSITION AREA. THE ENTRANCE RAMP SHOULD BE FOLLOWED BY THE ORIGINAL BUFFER SPACE LENGTH OF 800 FEET DESIRABLE PRIOR TO ANOTHER TRAFFIC CONTROL CHANGE SUCH AS A CROSSOVER MANEUVER.

1. USE ONLY WHEN T<600', OMIT WO1-4R.
2. IF NEEDED, USE ONLY IF DESIGN SPEED IS 10 MPH BELOW POSTED SPEED.
3. IF THE BEGINNING OF LANE SHIFT TAPER IS 1200 FEET OR LESS FROM END OF LANE CLOSURE TAPER, PLACE THE WO1-4L SIGN 200 FEET AFTER THE END OF THE LANE CLOSURE TAPER.
4. IF THE BEGINNING OF THE SECOND LANE SHIFT TAPER IS 1200 FEET OR LESS FROM END OF THE FIRST LANE CLOSURE TAPER, PLACE THE WO1-4L SIGN 200 FEET AFTER THE END OF THE FIRST LANE CLOSURE TAPER.
5. 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, PARTIAL LANE SHIFT MULTILANE DIVIDED 50 MPH AND GREATER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

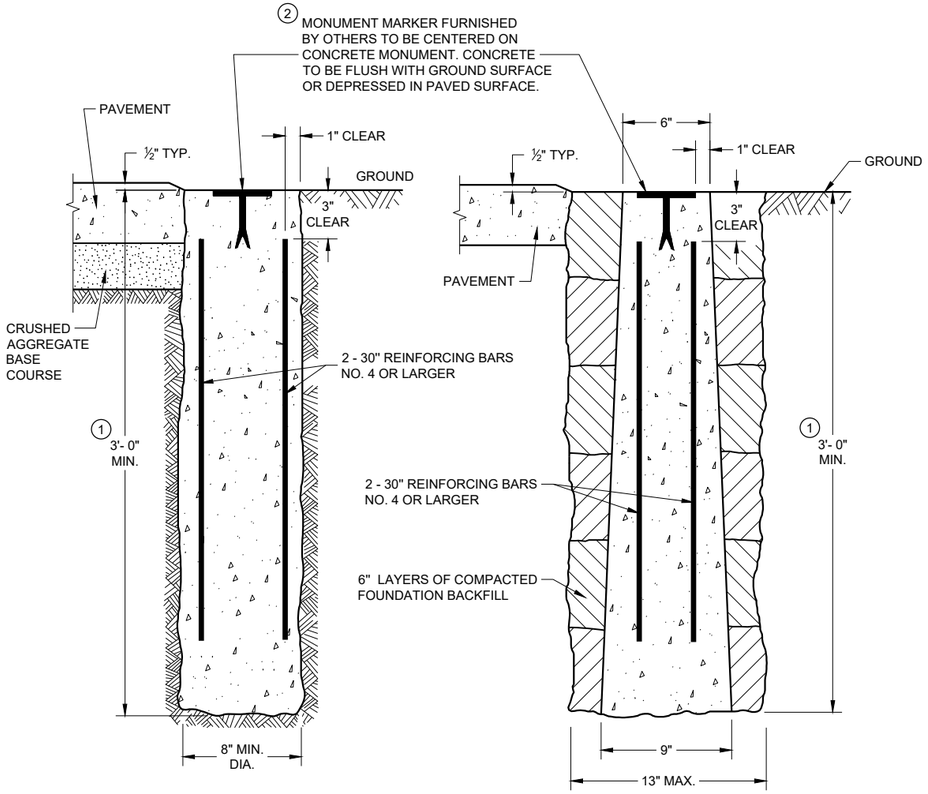
APPROVED
February 2025
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

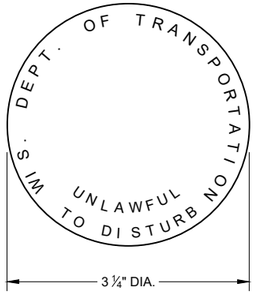
SDD 15D40-06d

6



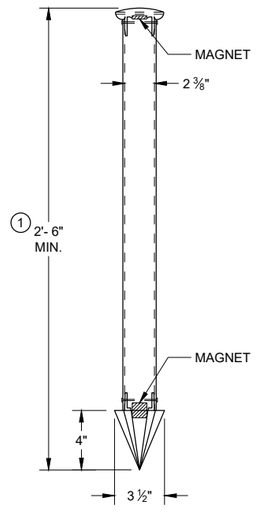
CAST-IN-PLACE **PRECAST**

CONCRETE MONUMENTS
TYPE A

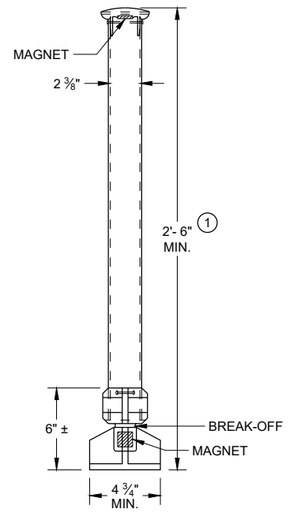


② **WIS DOT MONUMENT MARKER LOGO**

FOR TYPES "A", "C" & "D"

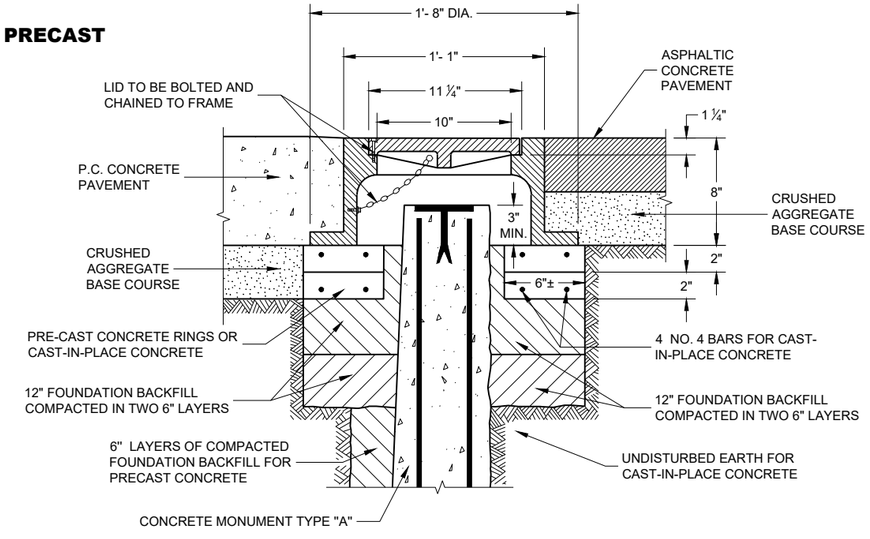


TYPE C
DRIVEN MONUMENT



TYPE D
NON-DRIVEN
BREAK-OFF MONUMENT

ALUMINUM MONUMENTS
(INCLUDES MARKER)



CAST IRON MONUMENT COVER
(APPROXIMATE WEIGHT 95 LBS)

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.

DETAILED DRAWINGS OF PROPOSED ALTERNATE DESIGNS FOR METAL MONUMENTS OR MONUMENT COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL.

PERMANENT MAGNETS SHALL BE INSERTED NEAR THE TOP AND BOTTOM OF ALL ALUMINUM MONUMENTS SO THE MONUMENT CAN EASILY BE DETECTED BY A METAL DETECTOR.

THE CAST IRON MONUMENT COVER SHALL BE A "NON-ROCKING" TYPE. ADJUSTMENT OF THE COVER TO GRADE MAY BE ACCOMPLISHED BY THE USE OF MORTAR AND BRICK, OR BY EITHER PRECAST OR CAST-IN-PLACE REINFORCED CONCRETE GRADE RINGS.

MONUMENTS SHALL BE LOCATED AND PLACED AT THE DIRECTION OF THE ENGINEER.

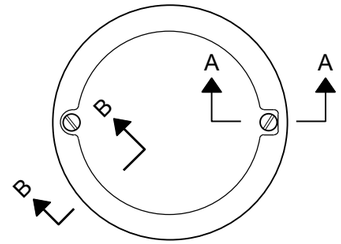
ALUMINUM MONUMENTS AND MONUMENT COVERS SHALL BE MADE FROM AN ALUMINUM AND MAGNESIUM ALLOY AS DETERMINED BY THE MANUFACTURER.

THE MONUMENT COVERS DETAILED ON THIS DRAWING ARE NOT EQUAL ALTERNATES. MONUMENT COVERS SHALL BE CAST IRON UNLESS ALUMINUM IS SPECIFIED ELSEWHERE IN THE CONTRACT.

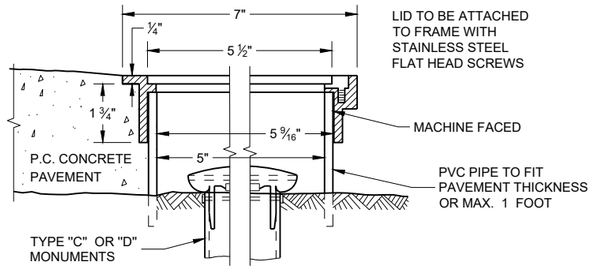
MONUMENT SHALL BE CAST-IN-PLACE CONCRETE UNLESS PRECAST CONCRETE OR ALUMINUM MONUMENTS ARE SPECIFIED IN THE CONTRACT OR PERMITTED BY THE ENGINEER.

① MINIMUM LENGTH SHALL BE 4'-0" FOR MONUMENTS INSTALLED IN PAVED AREAS.

② AN OFFICIAL COUNTY MONUMENT MARKER SUPPLIED BY A COUNTY MAY BE REQUIRED FOR SOME SECTION CORNERS AND WITNESS MONUMENTS INSTEAD OF THIS WISDOT MARKER.



TOP VIEW



SECTION B-B **SECTION A-A**

ALUMINUM MONUMENT COVER
(APPROXIMATE WEIGHT 2 LBS)
(FOR CONCRETE PAVEMENT ONLY)

LANDMARK REFERENCE MONUMENTS AND COVERS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
March 2018
DATE

/S/ Raymond A. Kumapayii
CHIEF SURVEYING AND MAPPING ENGINEER

FHWA

277

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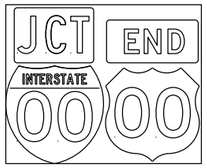
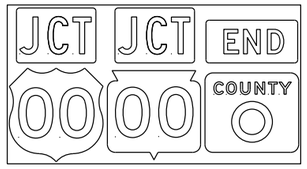
SDD 16A01 - 07

TYPICAL ASSEMBLIES

J1-1



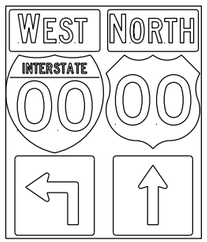
J1-2



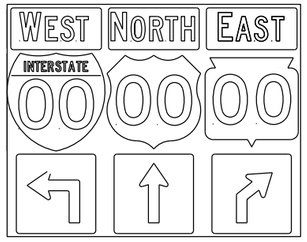
J1-3

JR1-1

J2-1

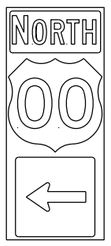


J2-2

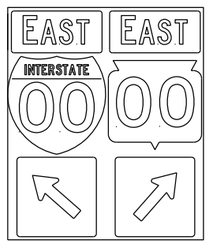


J2-3

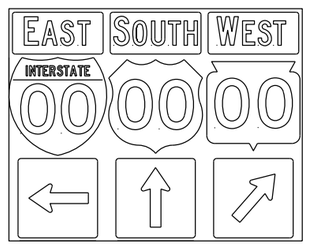
JV
(Typical Vertical J-Assembly
See Note 10 and 11)



J3-1

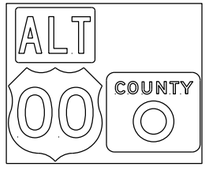


J3-2

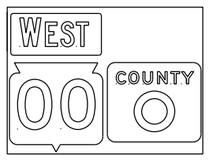


J3-3

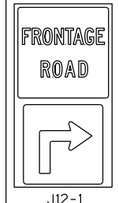
J4-1



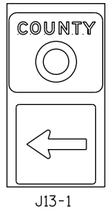
J4-2



J4-2



J12-1

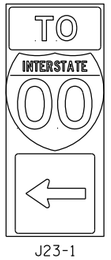


J13-1

J32-1

J33-1

J22-1

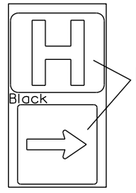


J23-1

JR13-1

JR23-1

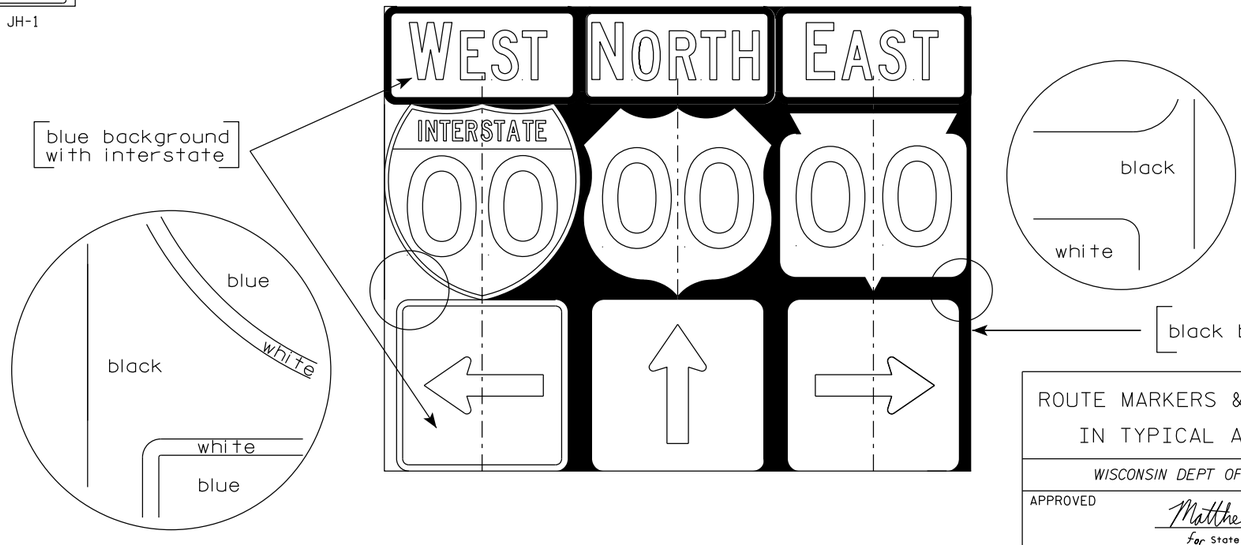
JR99-1



JH-1

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

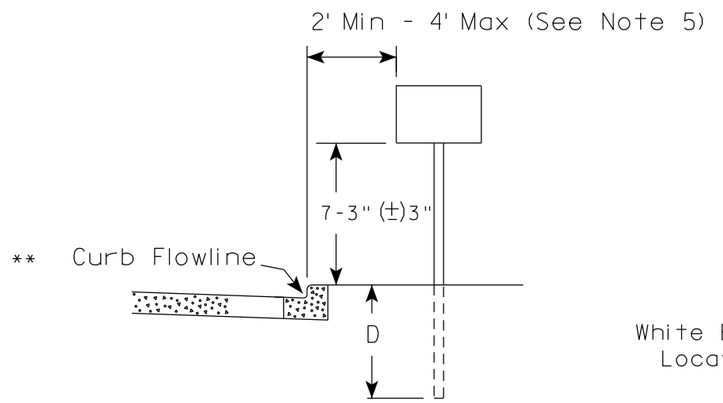
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 6/7/23 PLATE NO. A2-1S.10

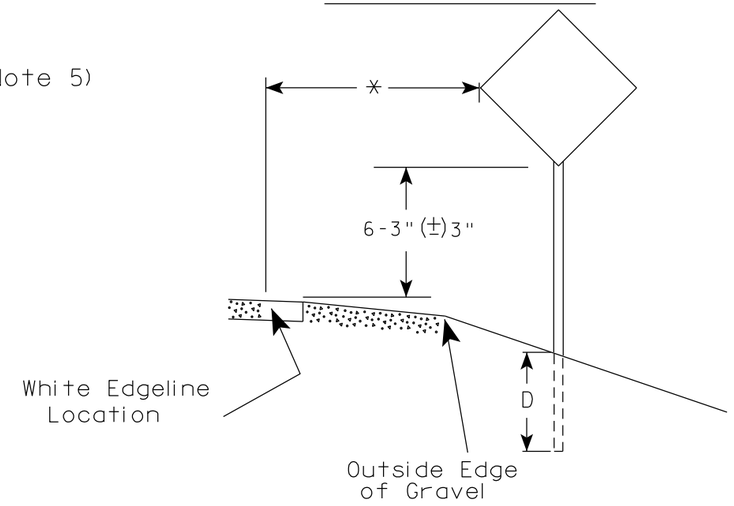
PROJECT NO:

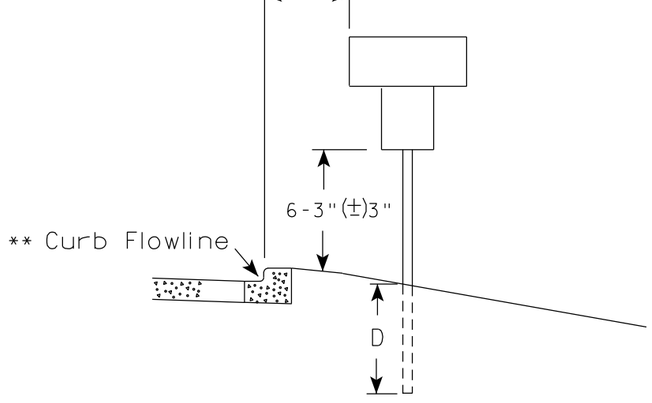
SHEET NO: 278 E

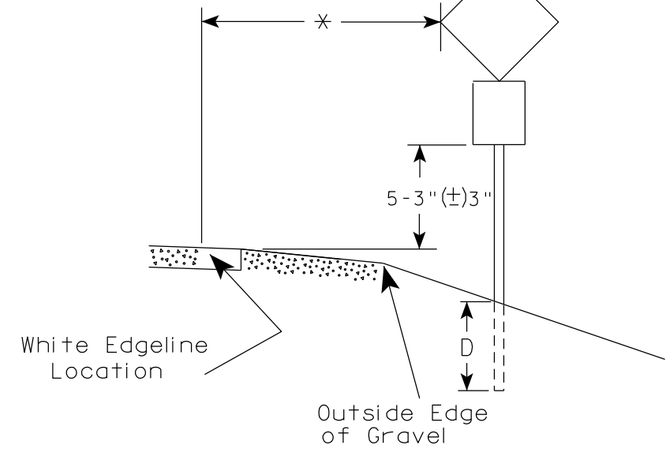
URBAN AREA



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.

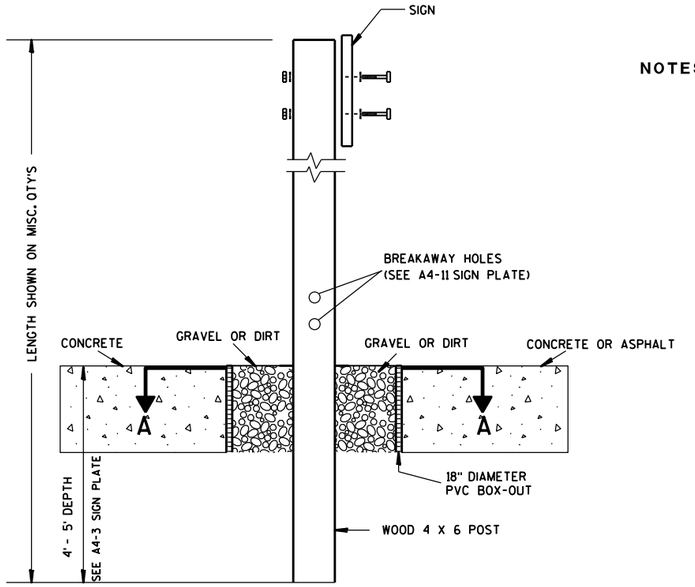
TYPICAL INSTALLATION OF PERMANENT TYPE II SIGNS ON SINGLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

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

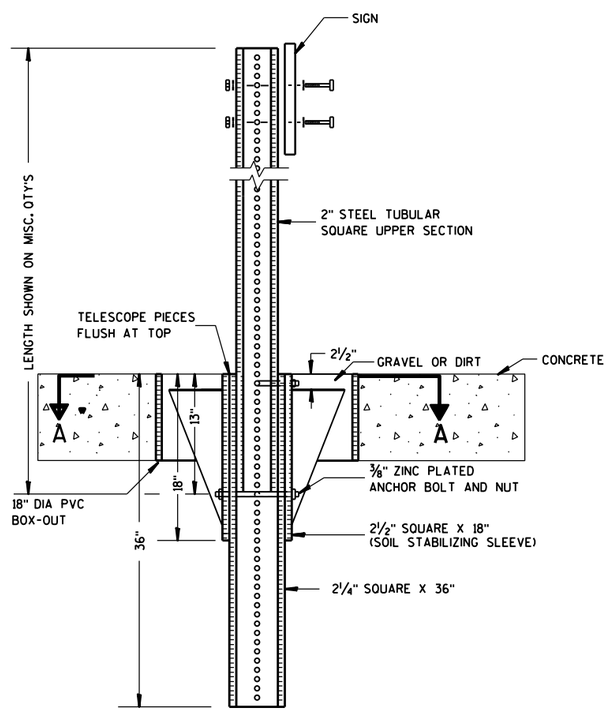
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 279	E



ELEVATION VIEW

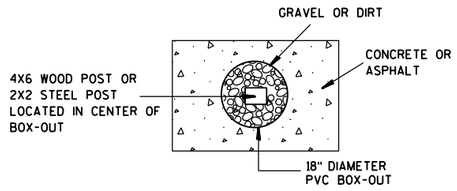
DETAIL OF WOOD 4 X 6 SIGN POST IN BOX-OUT

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

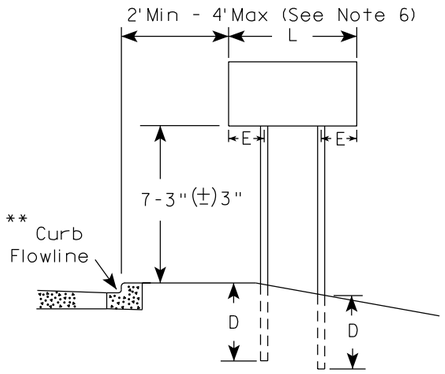
APPROVED Matthew R Rauch
for State Traffic Engineer

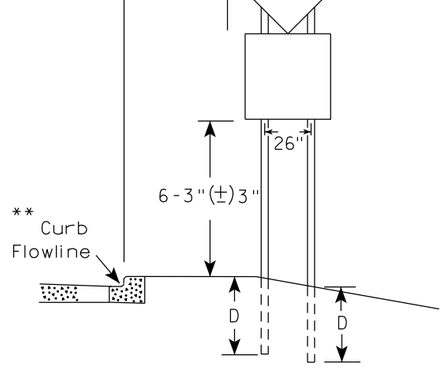
DATE 1/27/14 PLATE NO. A4-3B.1

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

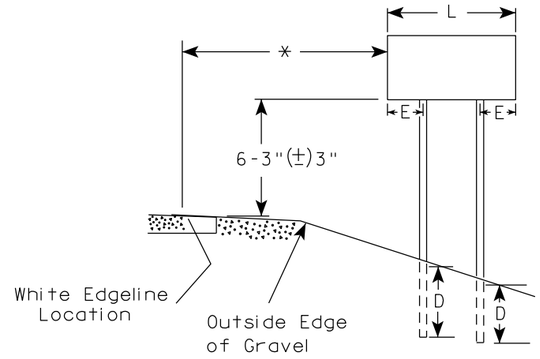
URBAN AREA

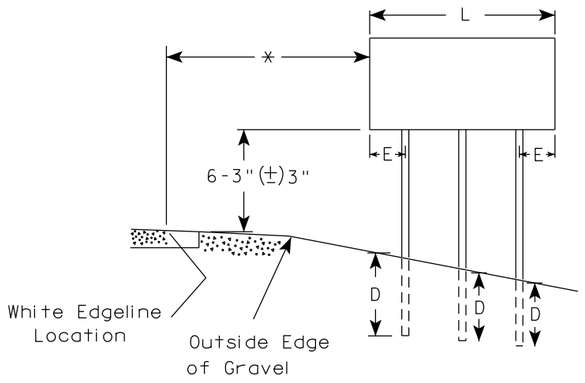


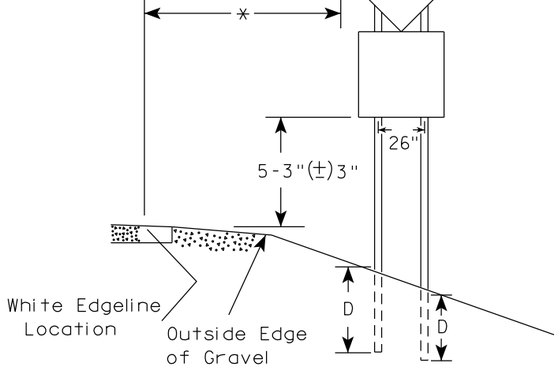


48" DIAMOND WARNING SIGN

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'

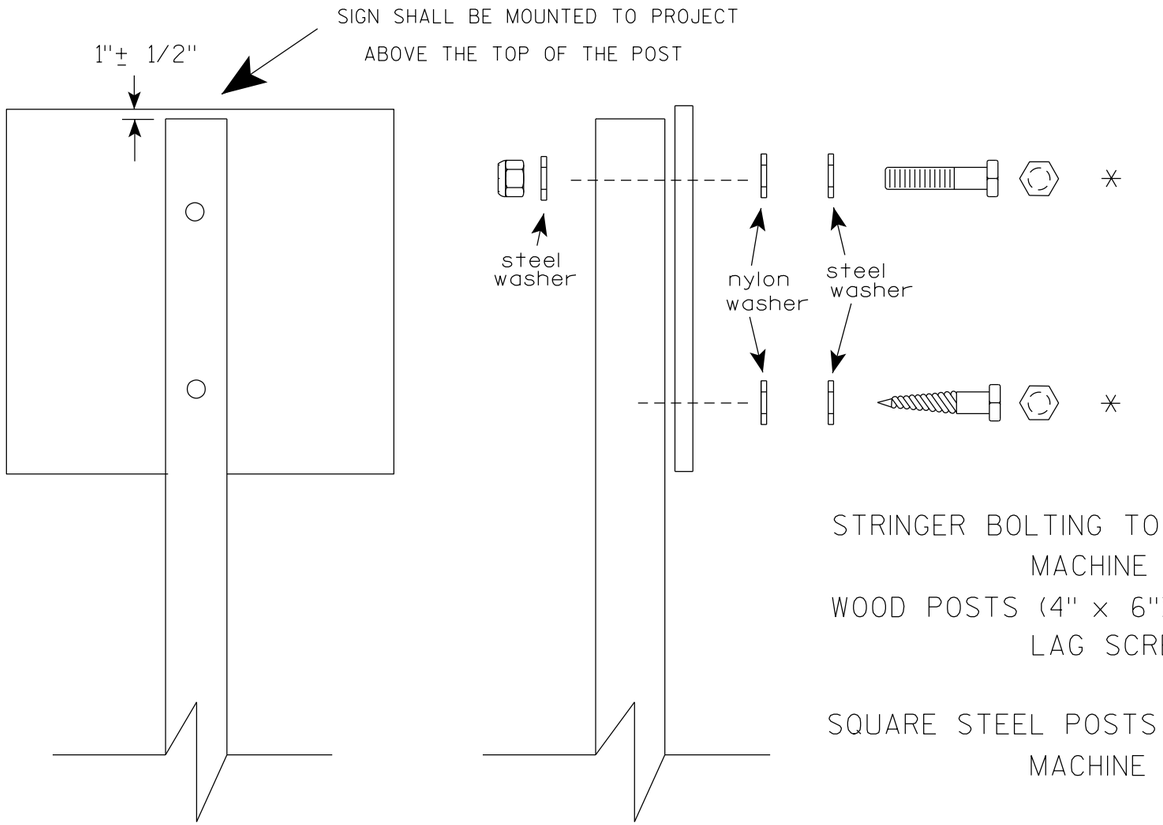
TYPICAL INSTALLATION OF TYPE II SIGNS ON MULTIPLE POSTS

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: 281	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: 282 E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A48.DGN PLOT DATE : 01-APRIL-2020 PLOT BY : dotc4c

WISDOT/CADDS SHEET 42

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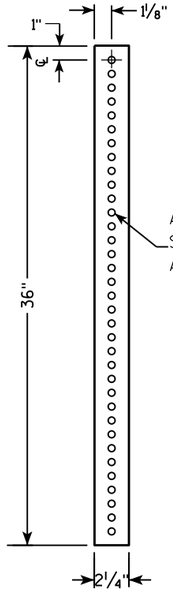
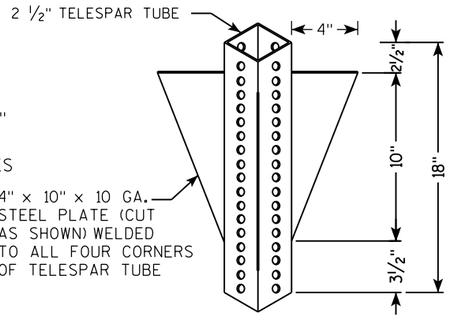
TELESCOPIC TUBING ANCHORS
TWO PIECE SYSTEM

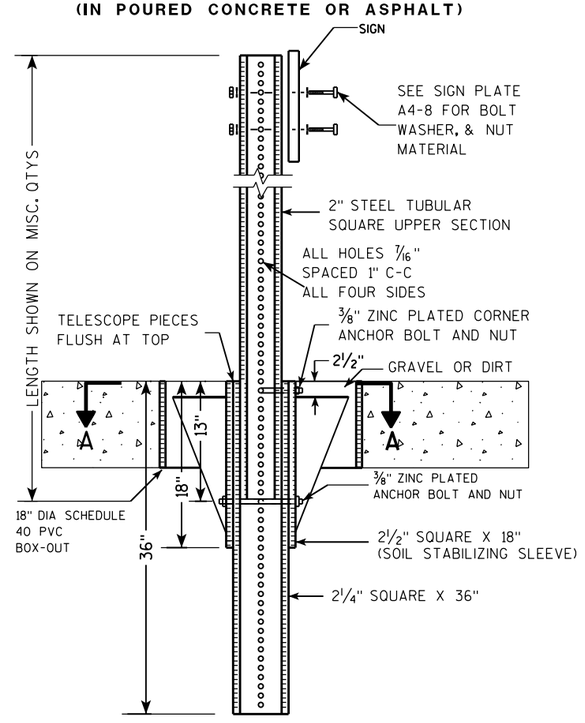
2 1/4 " SQUARE
12 GAUGE
PERFORATED
GALVANIZED FINISH



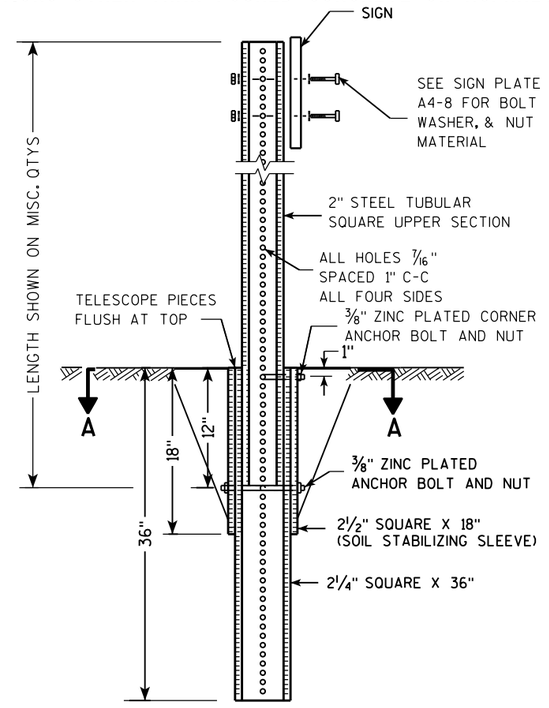
2 1/2 " SQUARE
12 GAUGE
OMNI-DIRECTIONAL
PERFORATED
SOIL STABILIZING SLEEVE
GALVANIZED FINISH

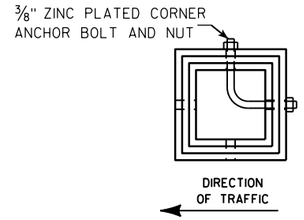


DETAIL OF TUBULAR STEEL SIGN POST
(IN POURED CONCRETE OR ASPHALT)



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

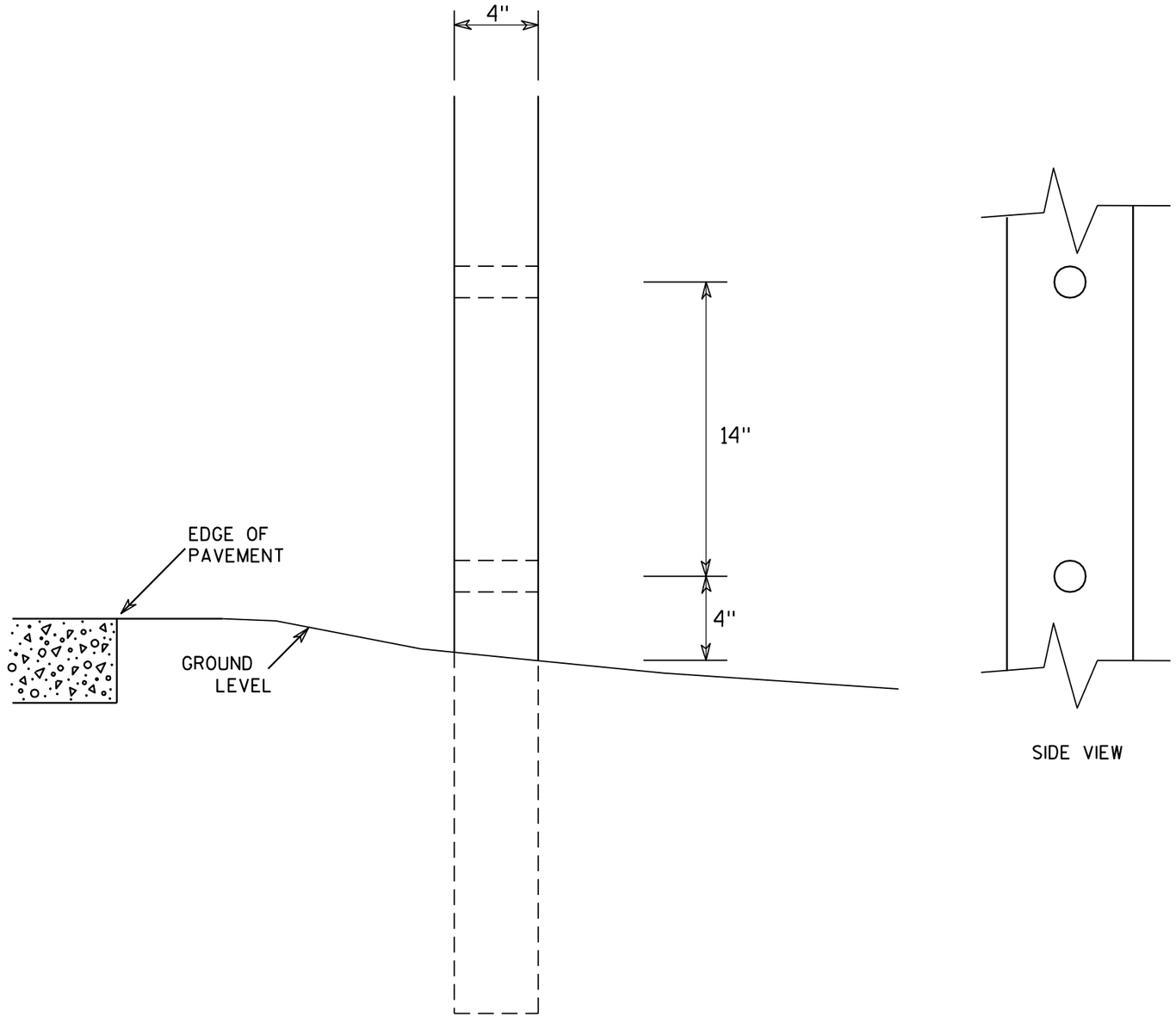
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/05/15 PLATE 283 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.

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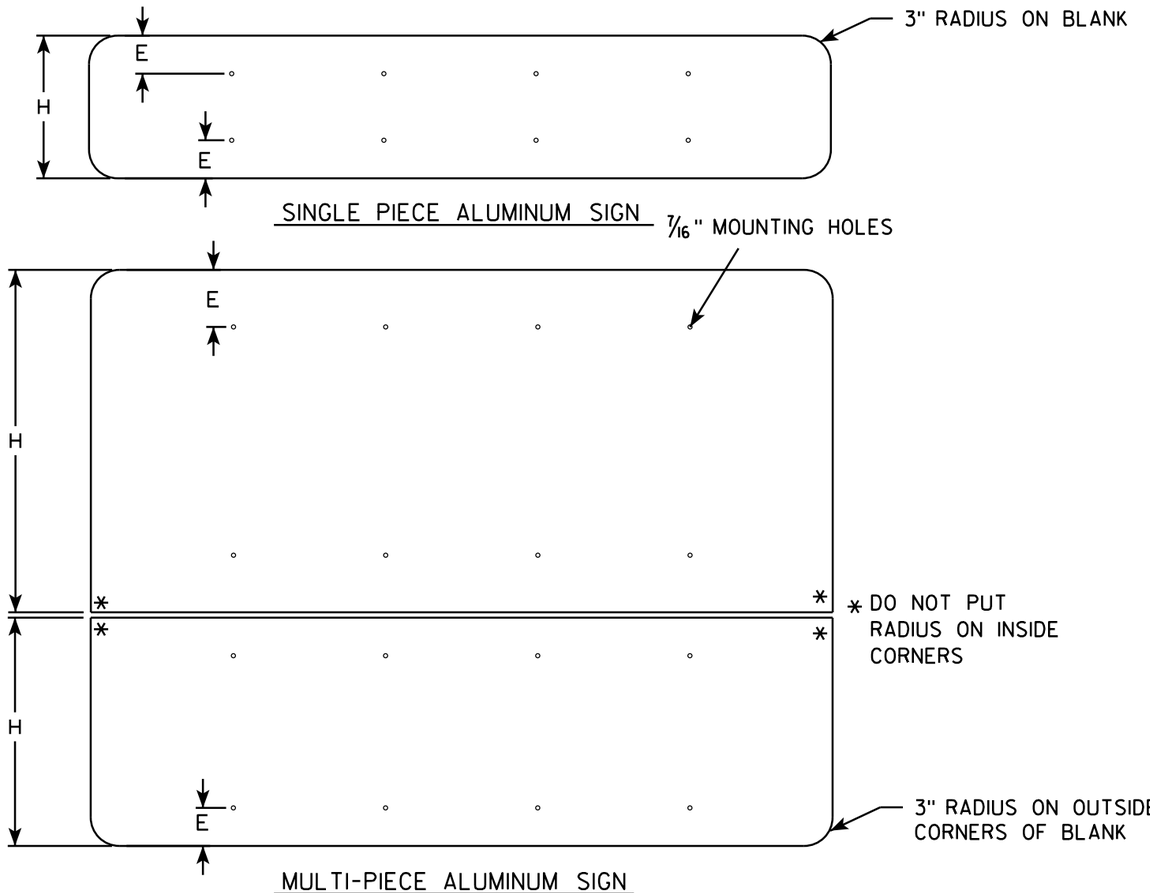
4 X 6 WOOD POST MODIFICATIONS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Chester J Spang for State Traffic Engineer

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

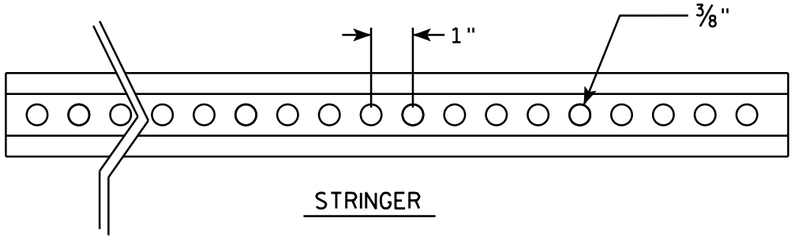
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 284	E



GENERAL NOTES

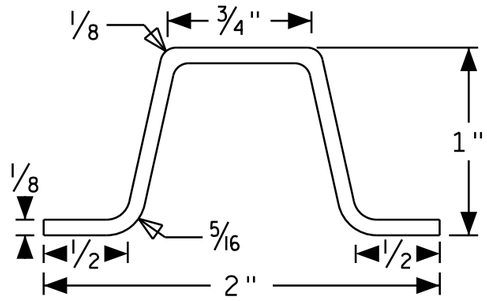
- ALL SIGNS OVER 60" IN WIDTH SHALL HAVE A 3" RADIUS ON THE OUTSIDE CORNERS OF THE ALUMINUM BLANK.
- MOUNTING HOLES SHALL BE 7/16" DIAMETER.
- SEE CHART FOR HOLE SPACING REQUIREMENTS
- FOR SIGN PANELS WITH DIMENSION (H) 36" AND OVER, DIMENSION E SHALL BE 6"
- FOR SIGN PANELS WITH DIMENSION (H) UNDER 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"

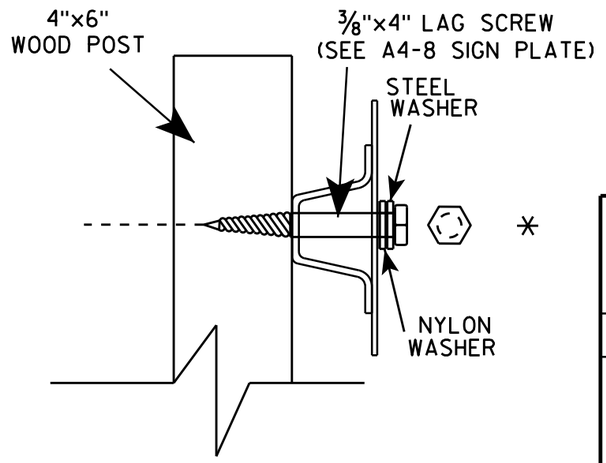


STRINGER

CROSS SECTION VIEW OF CHANNEL



POST MOUNTING



SIGN STRINGER MOUNTING REQUIREMENTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch

for State Traffic Engineer

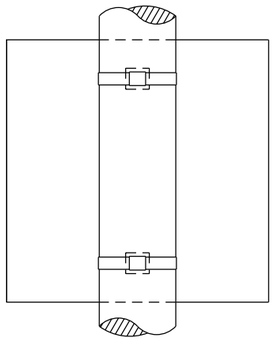
DATE 4/26/16 PLATE NO A4-18.1

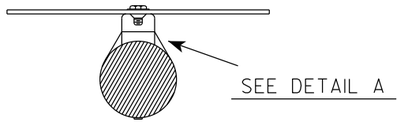
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

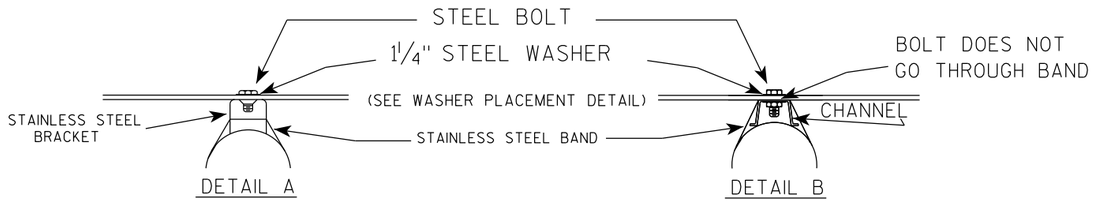
FILE NAME : C:\CAEfiles\Projects\tr_stdplate\A418.dgn PLOT DATE : 27-APR-2016 13:56 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 41.805205:1.000000 WISDOT/CADDS SHEET 42

BANDING

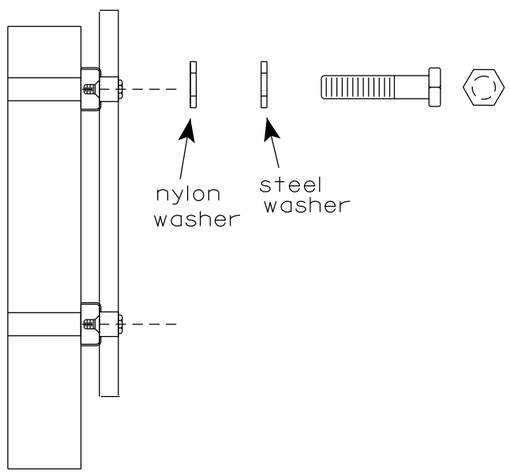
SINGLE SIGN







WASHER PLACEMENT

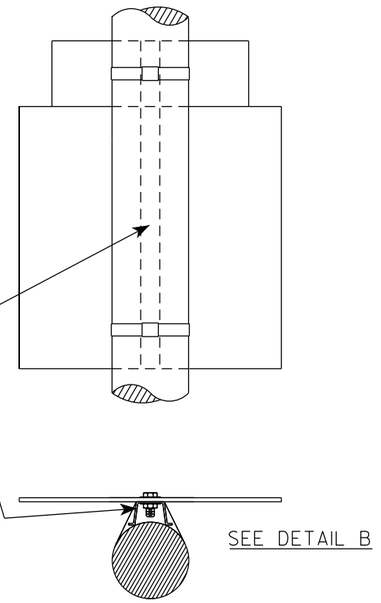


WASHERS (ALL POSTS) -
1-1/4" O.D. X 3/8" I.D. X 1/16" STEEL
1-1/4" O.D. X 3/8" I.D. X .080 NYLON
FOR ALL TYPE H SIGNS

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

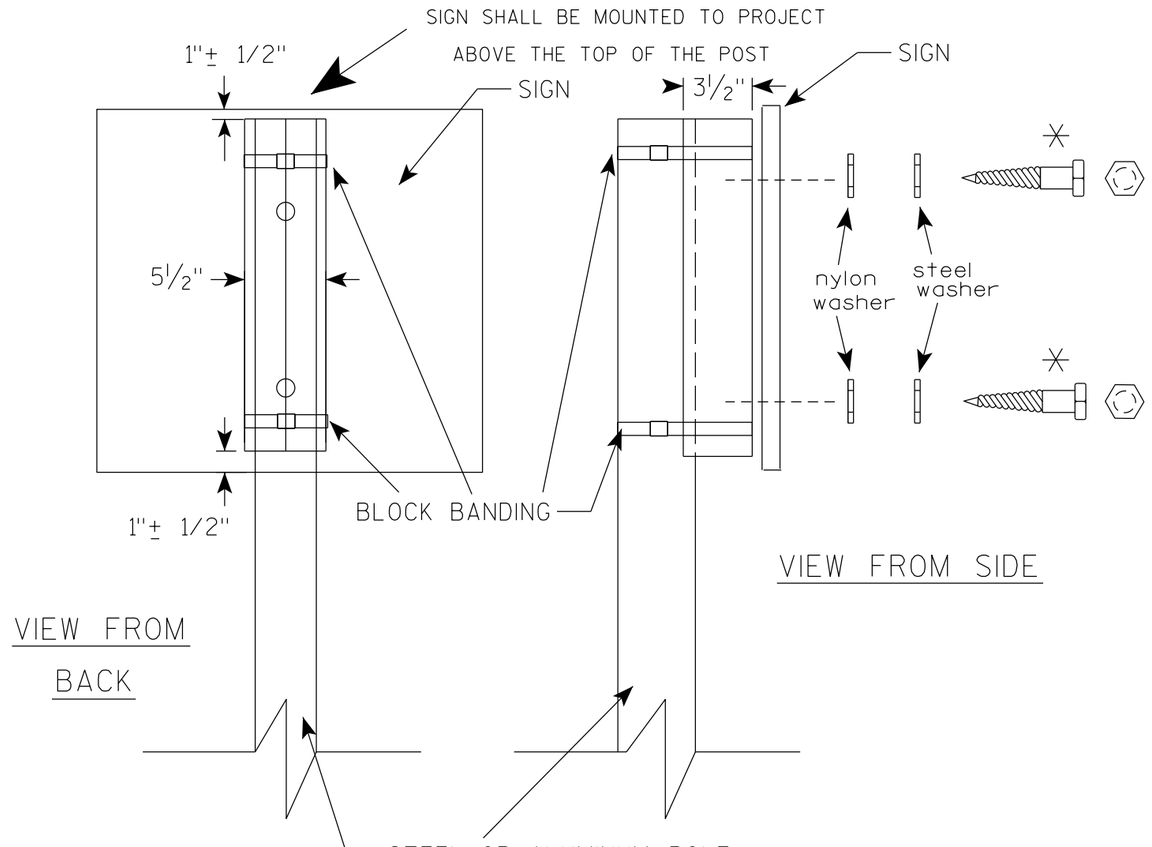
DATE 6/10/19 PLATE NO. A5-9.4

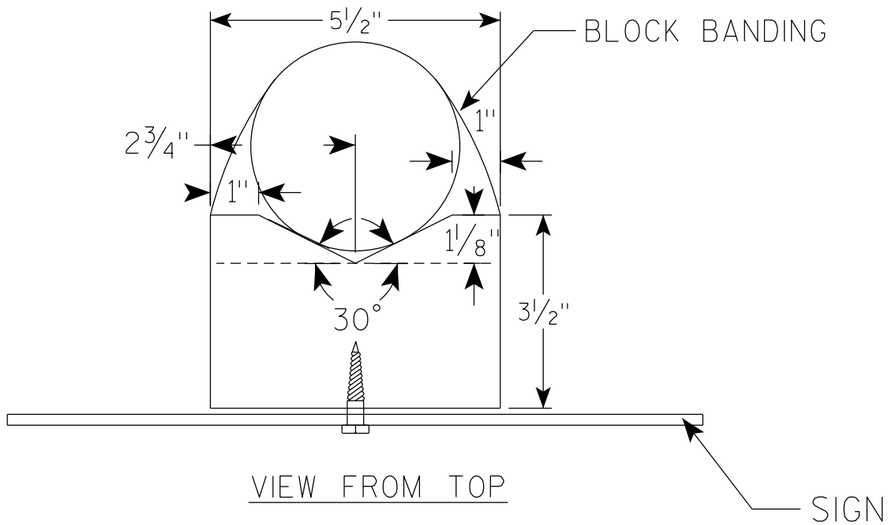
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 286	E

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)

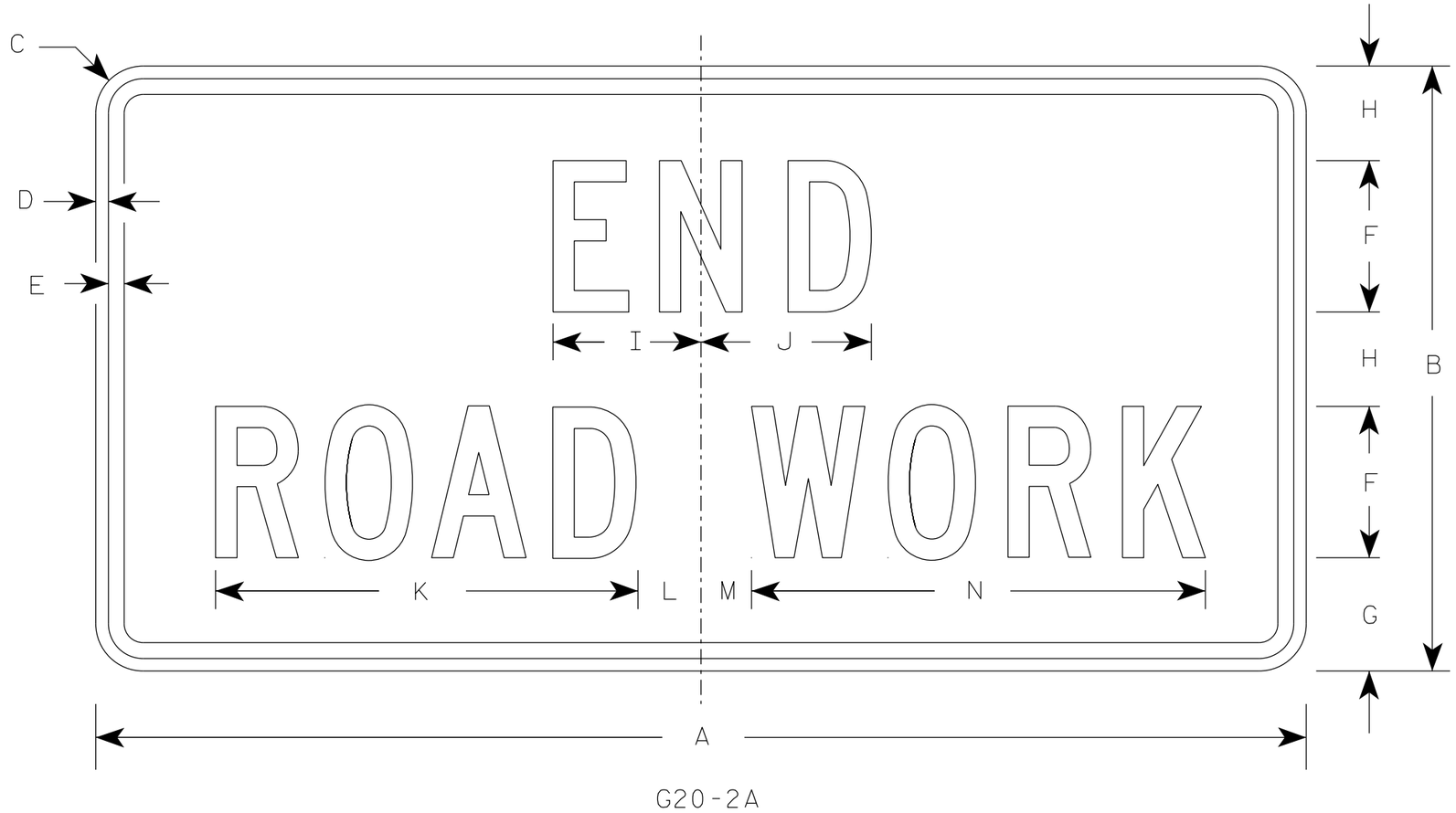
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

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

PROJECT NO:

SHEET NO: 287 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

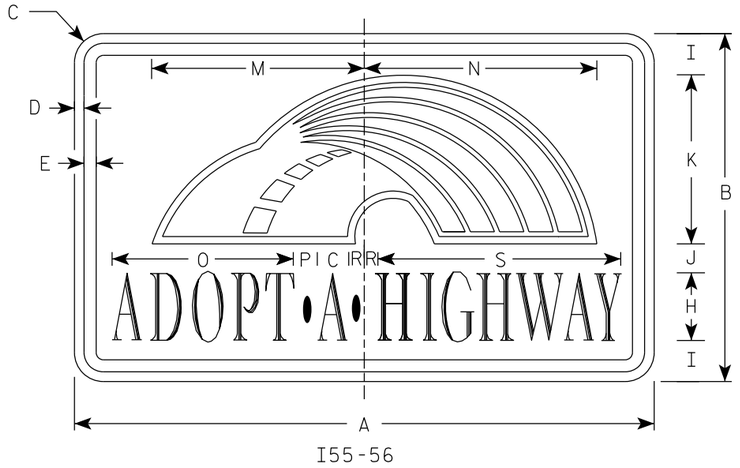
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

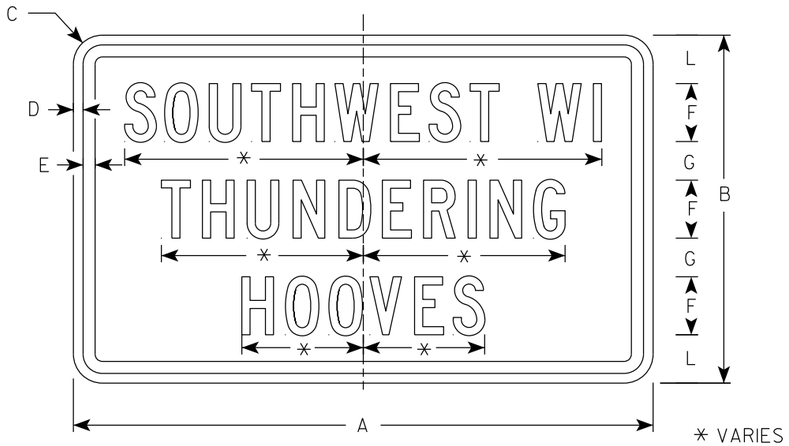
DATE 1/26/2023 PLATE NO. G20-2A.10

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

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\G202A.dgn PLOT DATE : 26-JAN 2023 8:27 PLOT BY : dotc4c PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42



I55-56

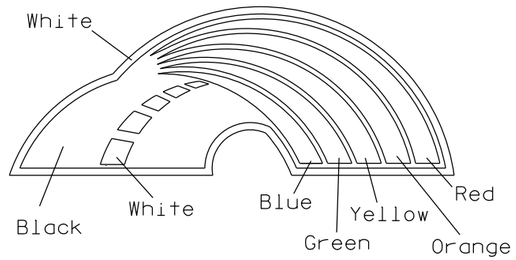


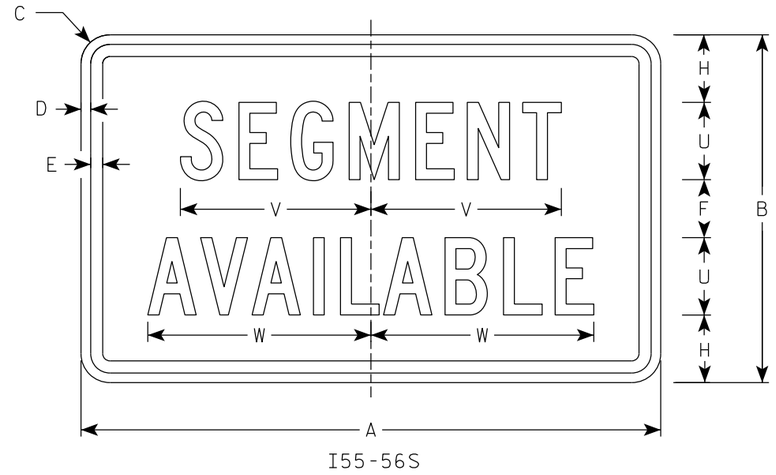
I55-56P

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - Blue
   Message - White
   Rainbow detail - See Below
3. Message Series - Adopt a Highway - Dutch 8011L
   All other Text - Series C
4. Contractor shall provide and install a new post bracket in accordance with the I55-56B sign detail.

Background Colors of Symbol*





I55-56S

*1/4" Black Border between each color of rainbow and border of rainbow

*3/8" White Border surrounds the whole image of the rainbow

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	30	18	1 1/2	1/2	5/8	3	2	3 1/2	2 1/4	1 1/2	8 1/2	2 1/2	11	12	9 3/8	1 1/4		3/4	12 5/8	7 1/2	4	9 7/8	11 1/2				3.75
3																											
4																											
5																											

STANDARD SIGN
I55-56

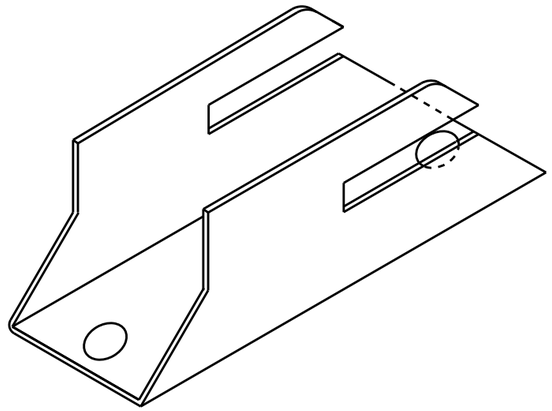
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

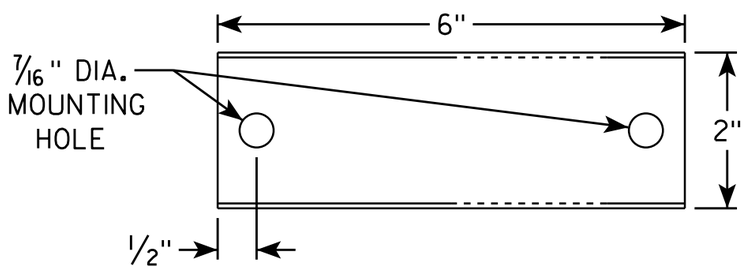
DATE 3/13/2025 PLATE NO. 155-56.5

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 289 | E

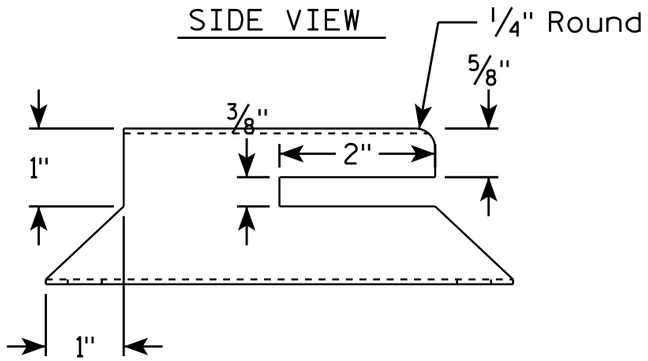
ISOMETRIC VIEW



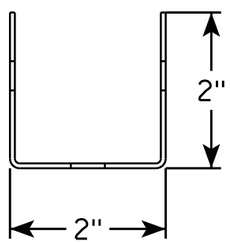
TOP VIEW



SIDE VIEW



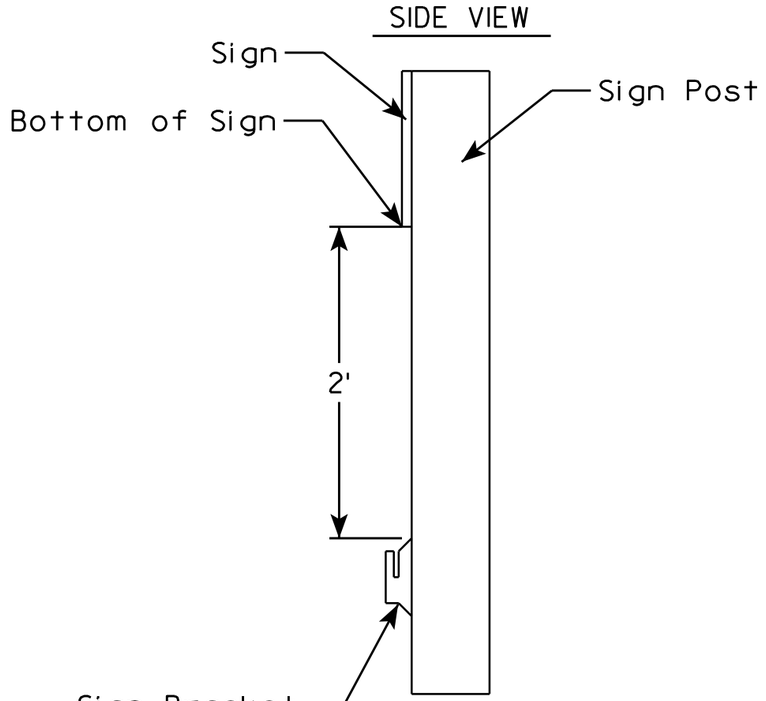
END VIEW



NOTES

1. Must be capable of permanent attachment to a wood or steel channel sign post utilizing the fastening hardware specified on the A4-8 sign plate.
2. Shall be entirely primed and painted with two coats of a black powder coated enamel paint.
3. Shall be made with 12 gauge steel, and incorporate no welds, no hinged components, no threaded lock-type components, and no parts which are loose or can be separated from the main body.
4. Shall have rounded edges with at least 1/8" radii.
5. Shall not have unrounded and uncoated metal edges which can contact the back surface of the roll-up sign.
6. Top of bracket shall be mounted 2' below the bottom of the I55-56 sign.
7. Cost of bracket and fastening hardware shall be incidental to the I55-56 sign.

SIDE VIEW



ROLLUP SIGN BRACKET
I55-56B

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

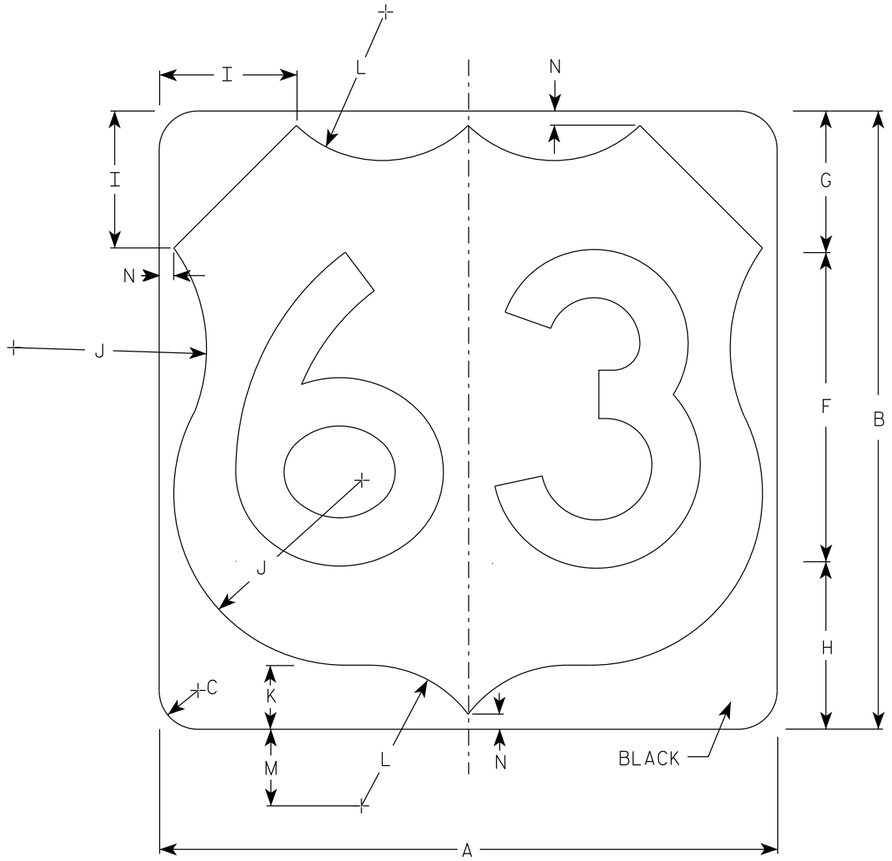
DATE 4/26/16 PLATE I55-56B.2

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

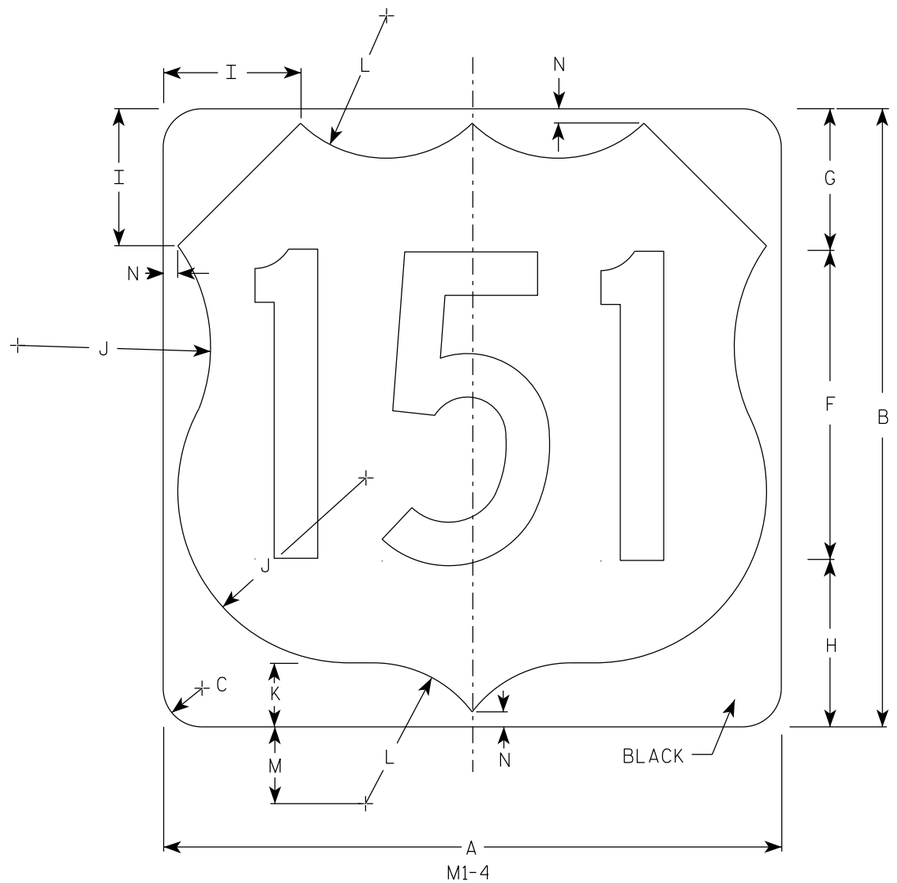
FILE NAME : C:\CAEfiles\Projects\tr_stdplate\I5556B.DGN PLOT DATE : 26-APR-2016 17:29 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 1.945842:1.000000 WISDOT/CADDS SHEET 42

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 ½			12	5 ½	6 ½	5	7 ½	2 ½	5 ½	3	½													4.0
2M	24	24	1 ½			12	5 ½	6 ½	5	7 ½	2 ½	5 ½	3	½													4.0
3	36	36	2 ¼			18	8 ¼	9 ¼	7 ¼	11 ¼	3 ¾	8 ¼	4 ½	¾													9.0
4	36	36	2 ¼			18	8 ¼	9 ¼	7 ¼	11 ¼	3 ¾	8 ¼	4 ½	¾													9.0
5	36	36	2 ¼			18	8 ¼	9 ¼	7 ¼	11 ¼	3 ¾	8 ¼	4 ½	¾													9.0

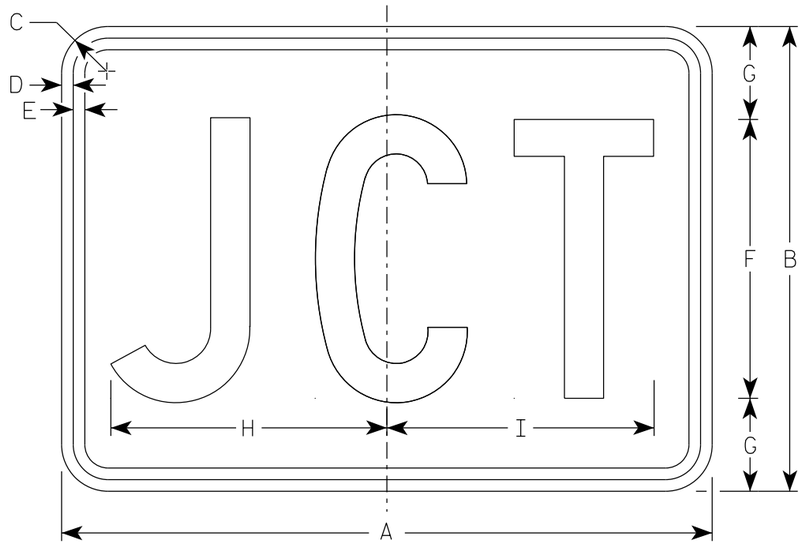
USH MARKER
M1-4 FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

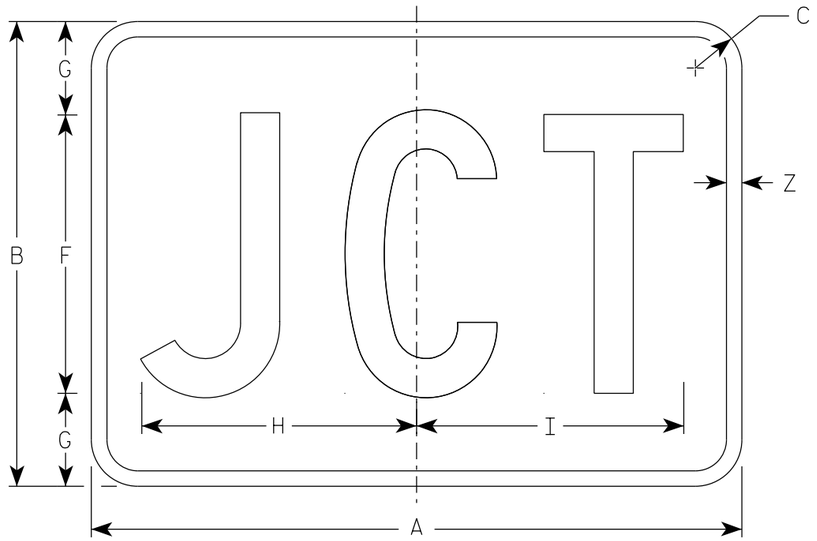
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/20/22 PLATE NO. M1-4.11

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 291 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

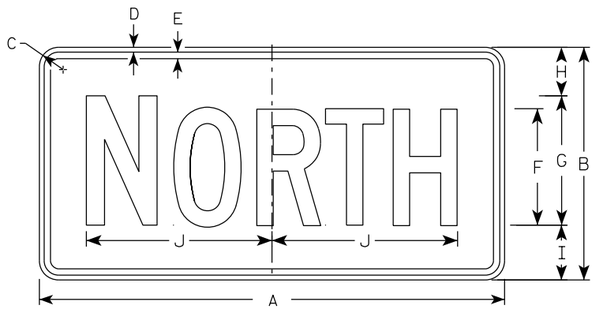
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

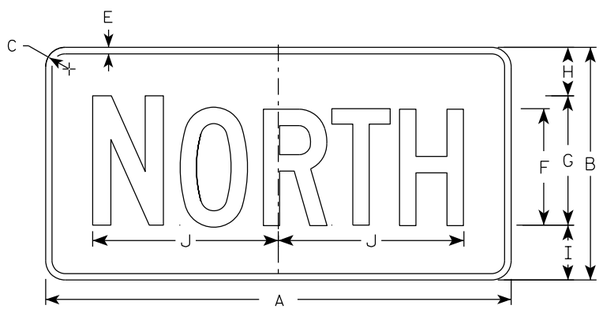
DATE 2/8/2023 PLATE NO. M2-1.14

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 292 | E

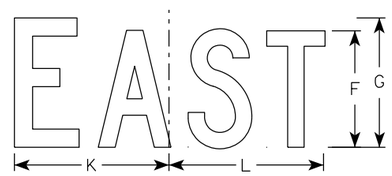
7



M3-1
MM3-1
MP3-1

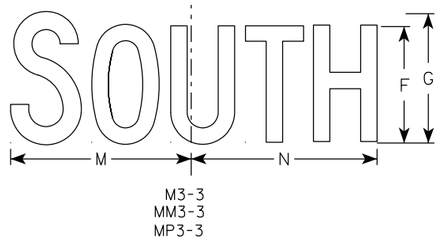


MB3-1
MK3-1
MN3-1

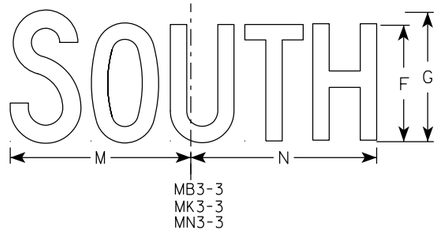


M3-2
MM3-2
MP3-2

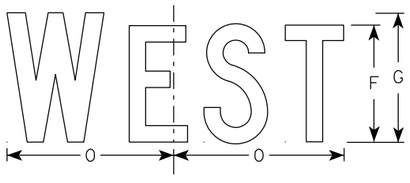
MB3-2
MK3-2
MN3-2



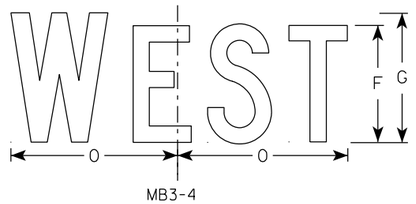
M3-3
MM3-3
MP3-3



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

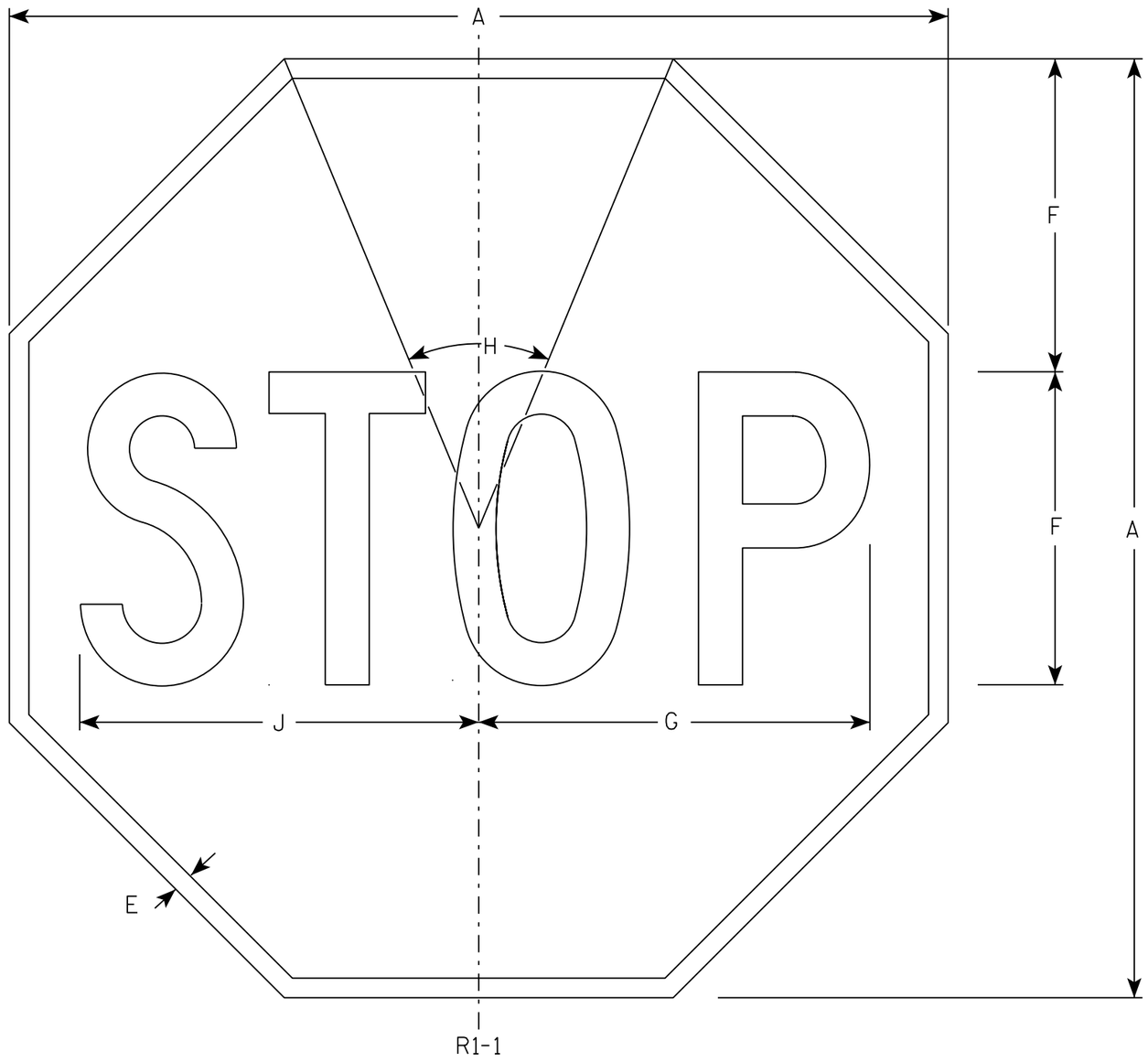
STANDARD SIGNS
M3-1 THRU M3-4
SERIES

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: 293 | 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

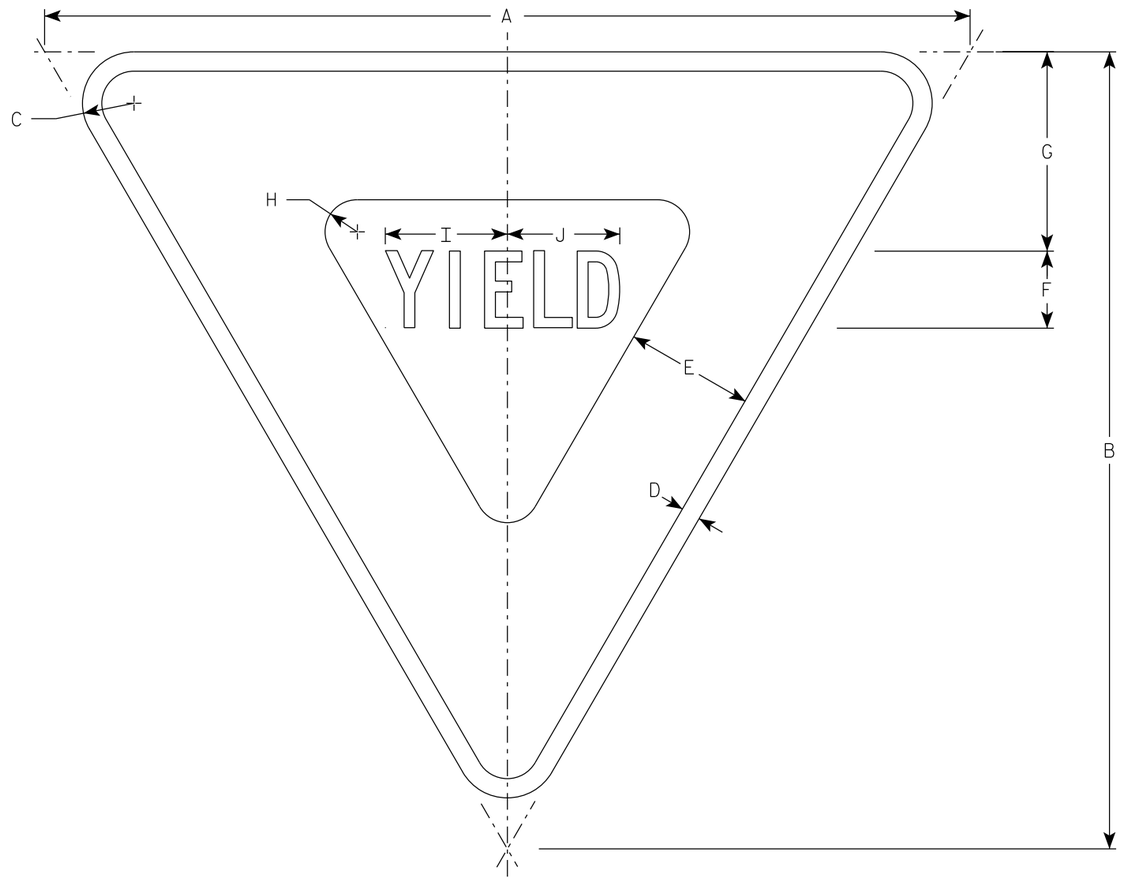
STANDARD SIGN
R1-1

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: 294	E



R1-2

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - See note 4
3. Message Series - C
4. The border strip and word message are reflectorized 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	30	26	2	5/8	4	2 1/2	6 3/8	7/8	4	3 5/8																	2.71
2S	36	31	2	3/4	5	3	7 3/4	1 1/4	4 3/4	4 3/8																	3.88
2M	48	42	3	1	6	4	9 3/4	2	6 1/4	5 7/8																	7.00
3	48	42	3	1	6	4	9 3/4	2	6 1/4	5 7/8																	7.00
4	48	42	3	1	6	4	9 3/4	2	6 1/4	5 7/8																	7.00
5	60	52	3	1 1/2	8	5	13	2 1/2	7 7/8	7 1/4																	10.83
6																											
7	18	15 1/2	1	3/8	2 1/2	1 1/2	3 7/8	5/8	2 3/8	2 1/4																	0.97

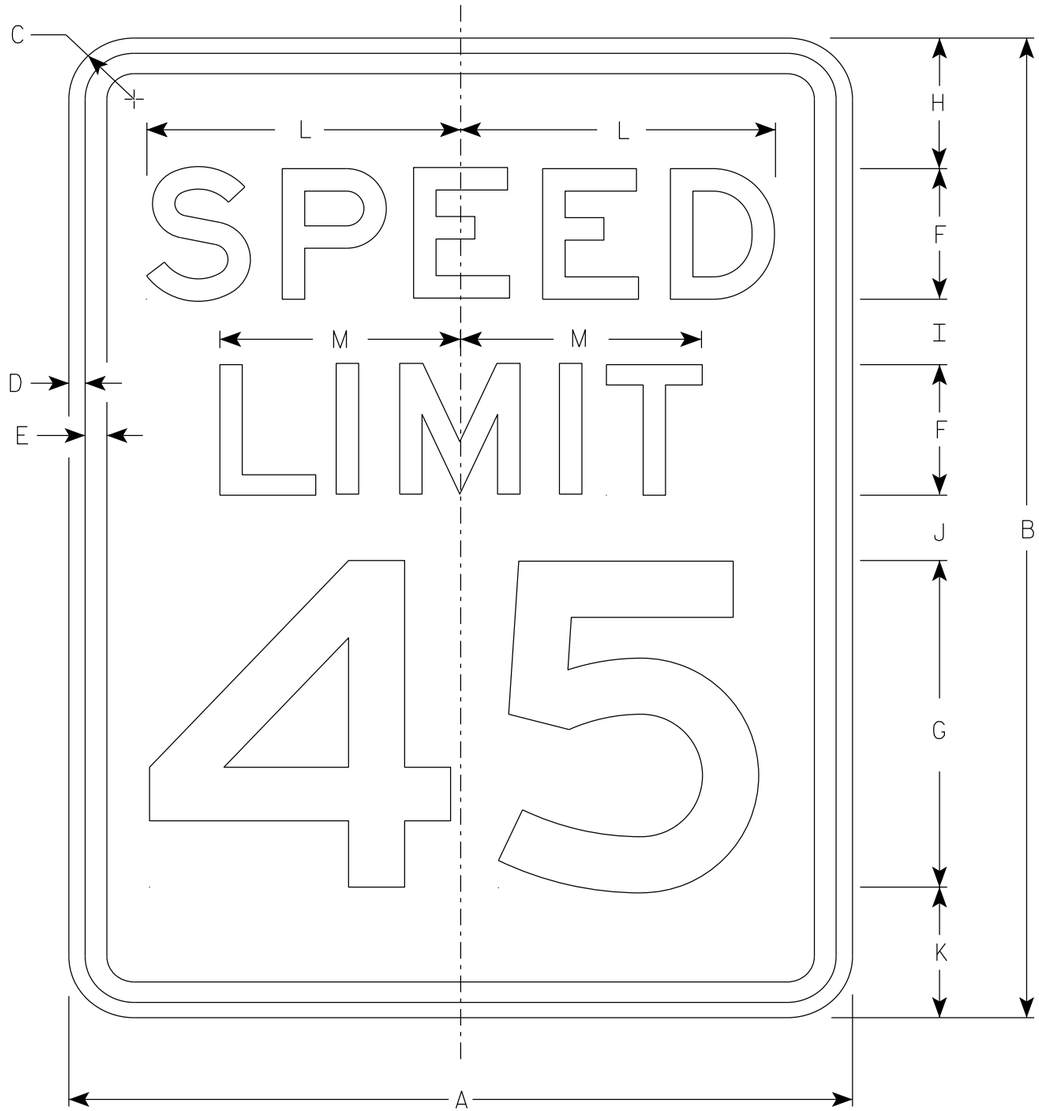
STANDARD SIGN
R1-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 9/10/2024 PLATE NO. R1-2.13

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 295	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

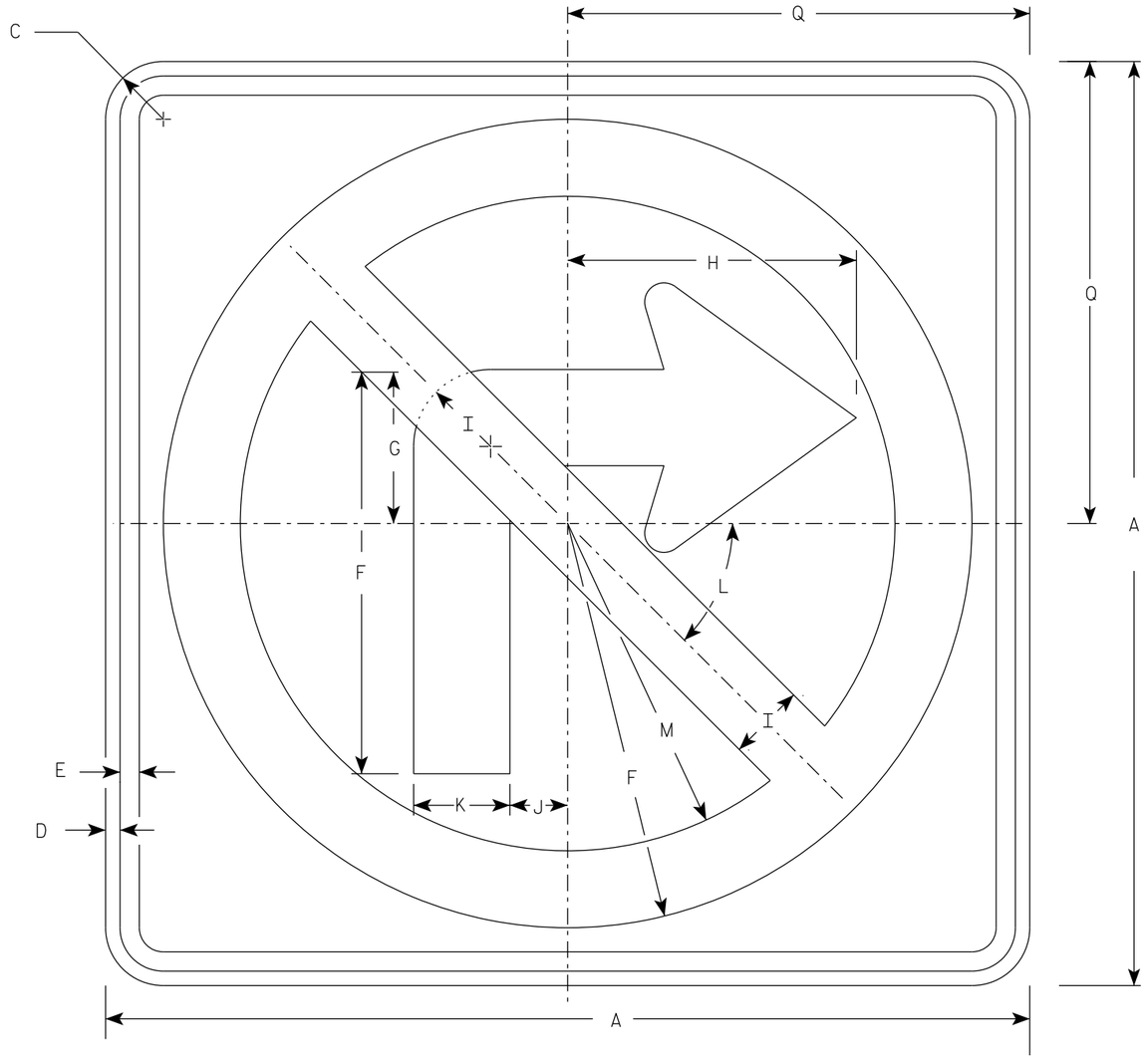
STANDARD SIGN
R2-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/1/23 PLATE NO. R2-1.14

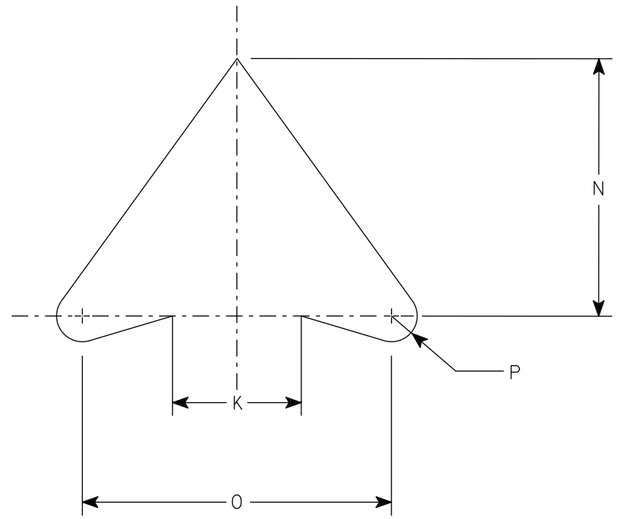
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 296 | E



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

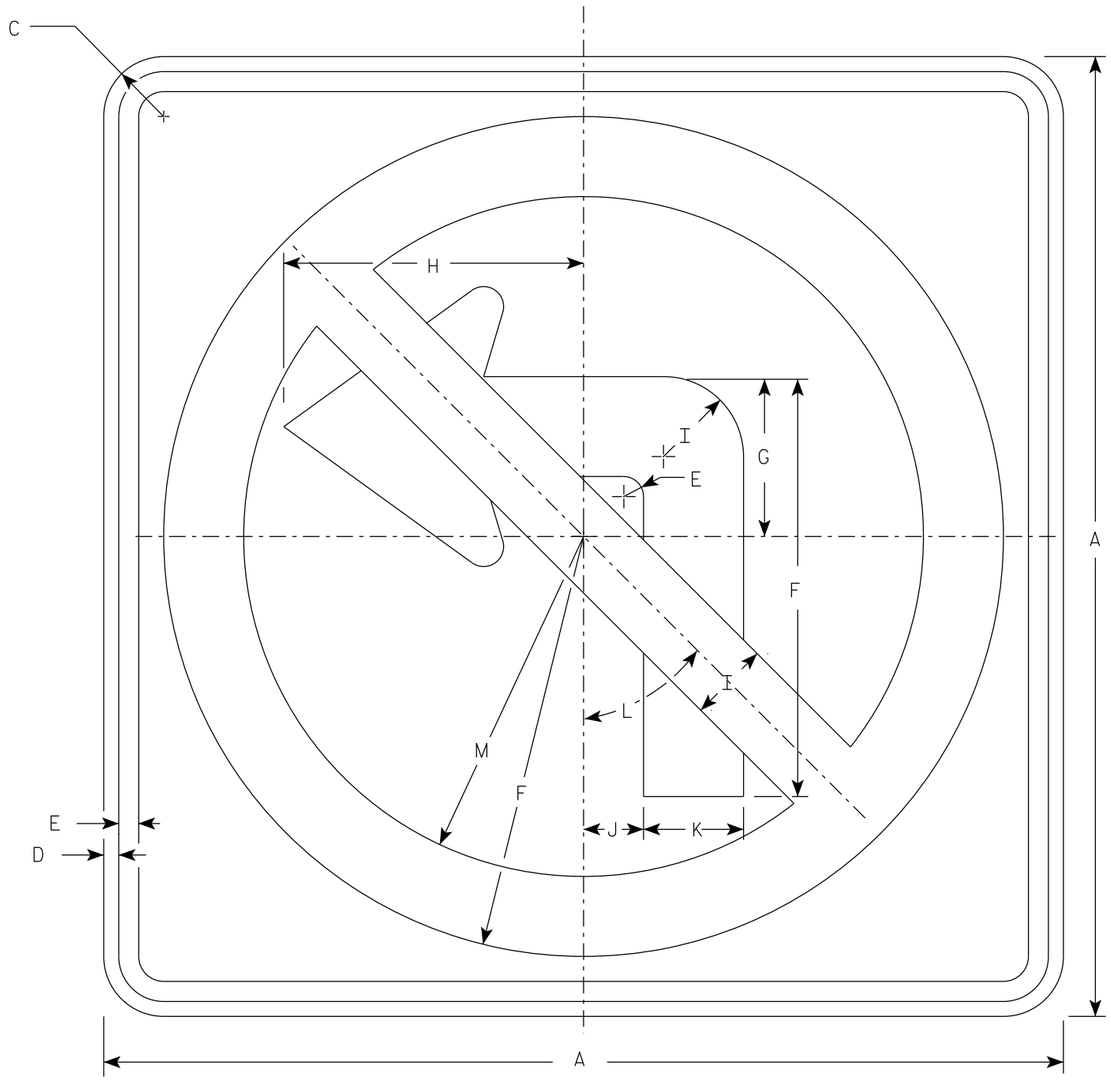
STANDARD SIGN
R3-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/2/23 PLATE NO. R3-1.6

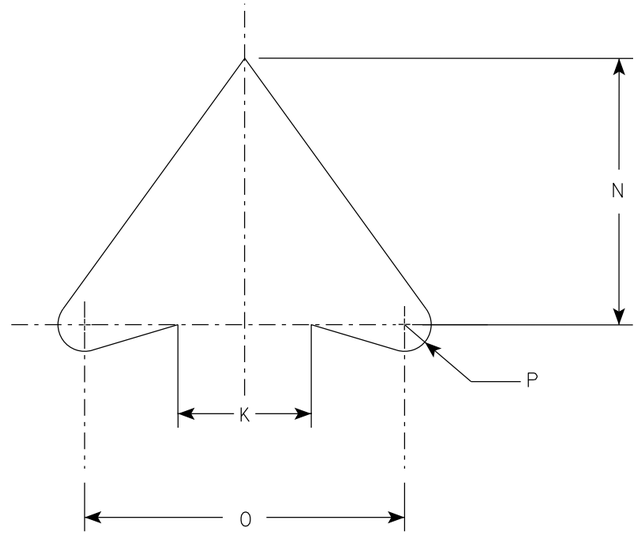
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 297 | E



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

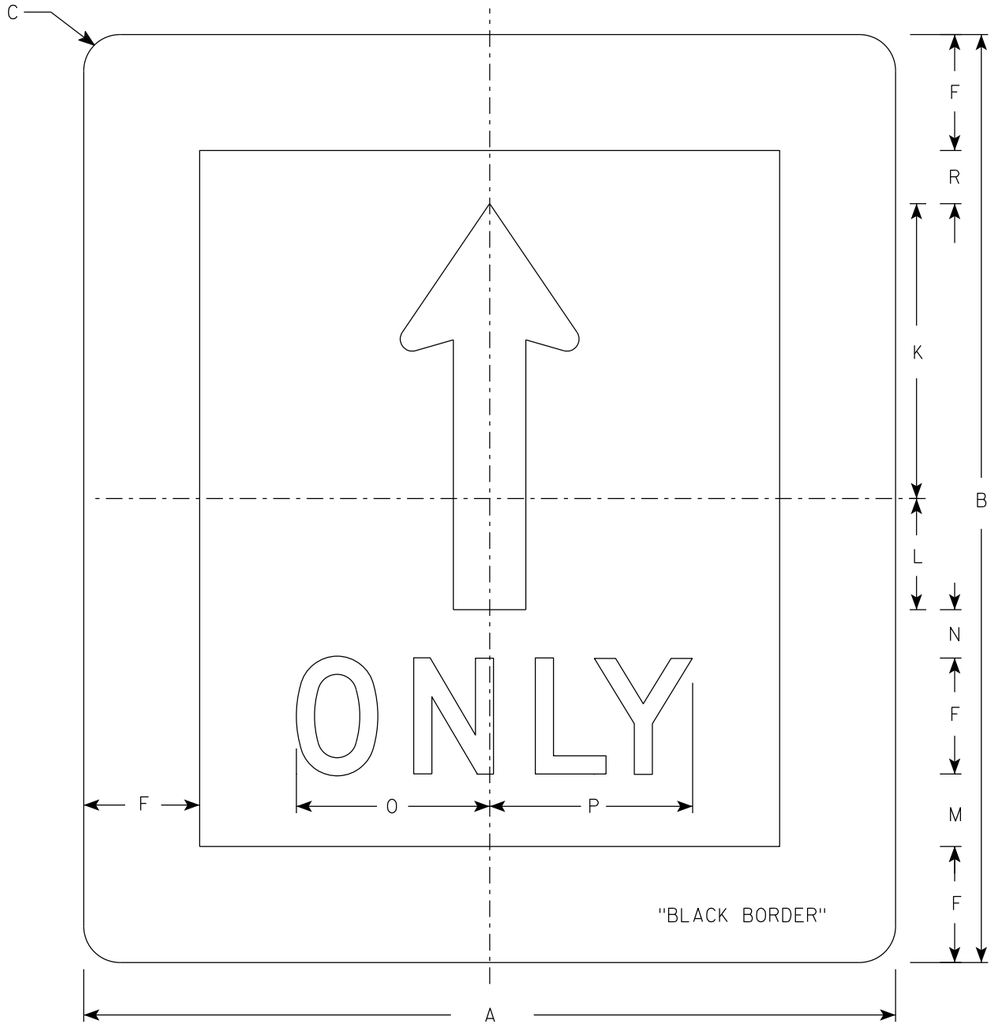
APPROVED Matthew R Rauch
for State Traffic Engineer

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

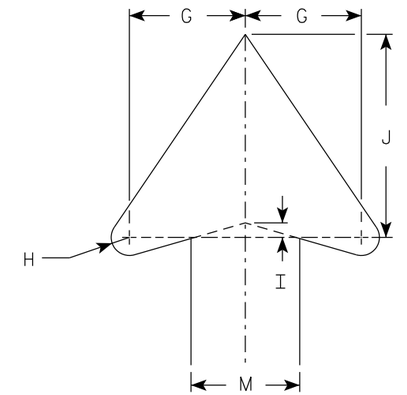
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 298 | E

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D
4. The 6" border is non-reflective black.



R3-5A



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	42	48	1 7/8			6	4	5/8	1/2	7	15 1/4	5 3/4	3 3/4	2 1/2	10	10 1/2		2 3/4									14.0
2M	42	48	1 7/8			6	4	5/8	1/2	7	15 1/4	5 3/4	3 3/4	2 1/2	10	10 1/2		2 3/4									14.0
3																											
4																											
5																											

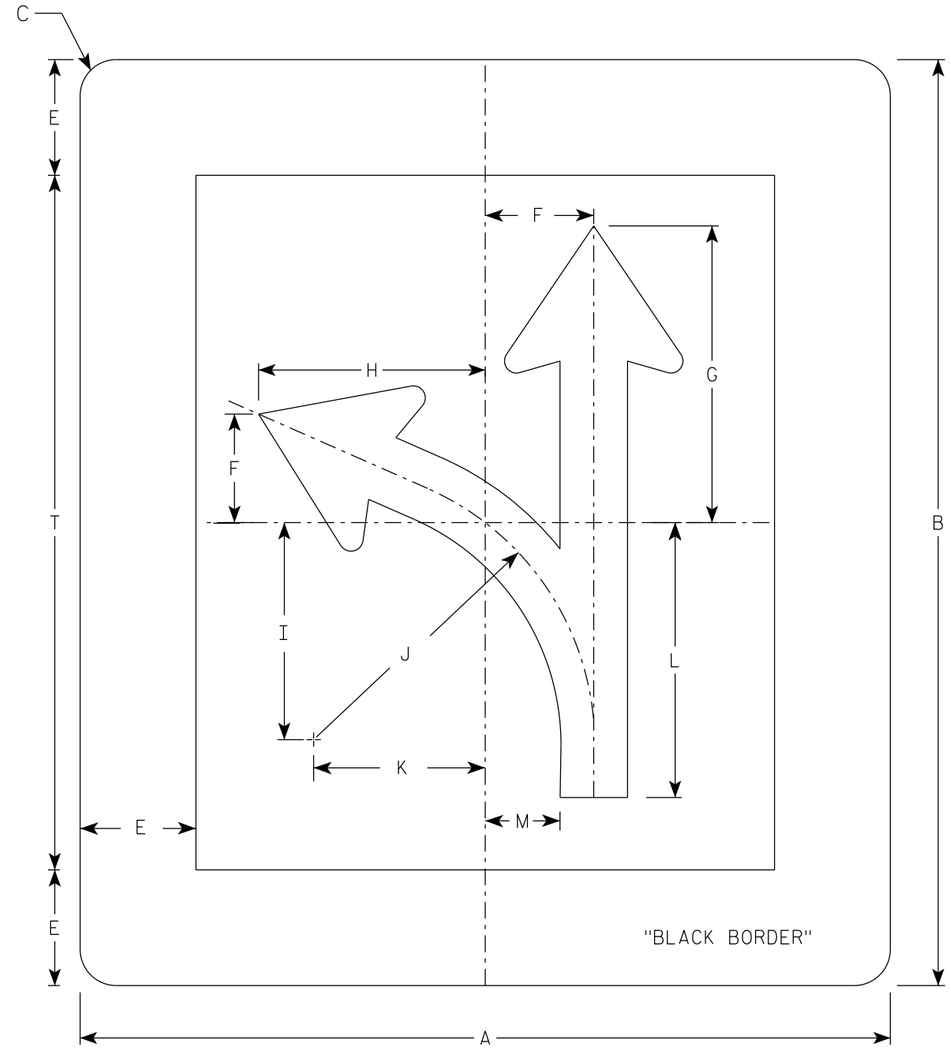
STANDARD SIGN
R3-5A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/26/24 PLATE NO. R3-5A.6

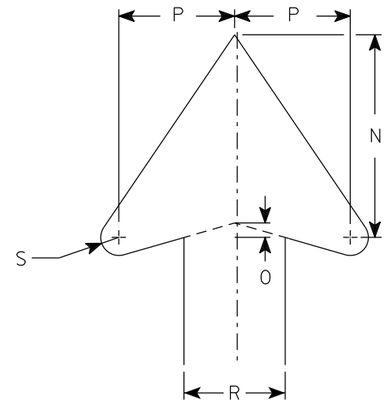
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 299	E



R3-6L

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
4. R3-6R is the same as R3-6L except curved portion of arrow points right.
5. The 6" border is non-reflective black.



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	42	48	1 7/8		6	5 5/8	15 3/8	11 3/4	11 1/4	14 1/2	8 7/8	14 1/4	3 7/8	7	1/2	4		3 1/2	5/8	36							14.0
2M	42	48	1 7/8		6	5 5/8	15 3/8	11 3/4	11 1/4	14 1/2	8 7/8	14 1/4	3 7/8	7	1/2	4		3 1/2	5/8	36							14.0
3																											
4																											
5																											

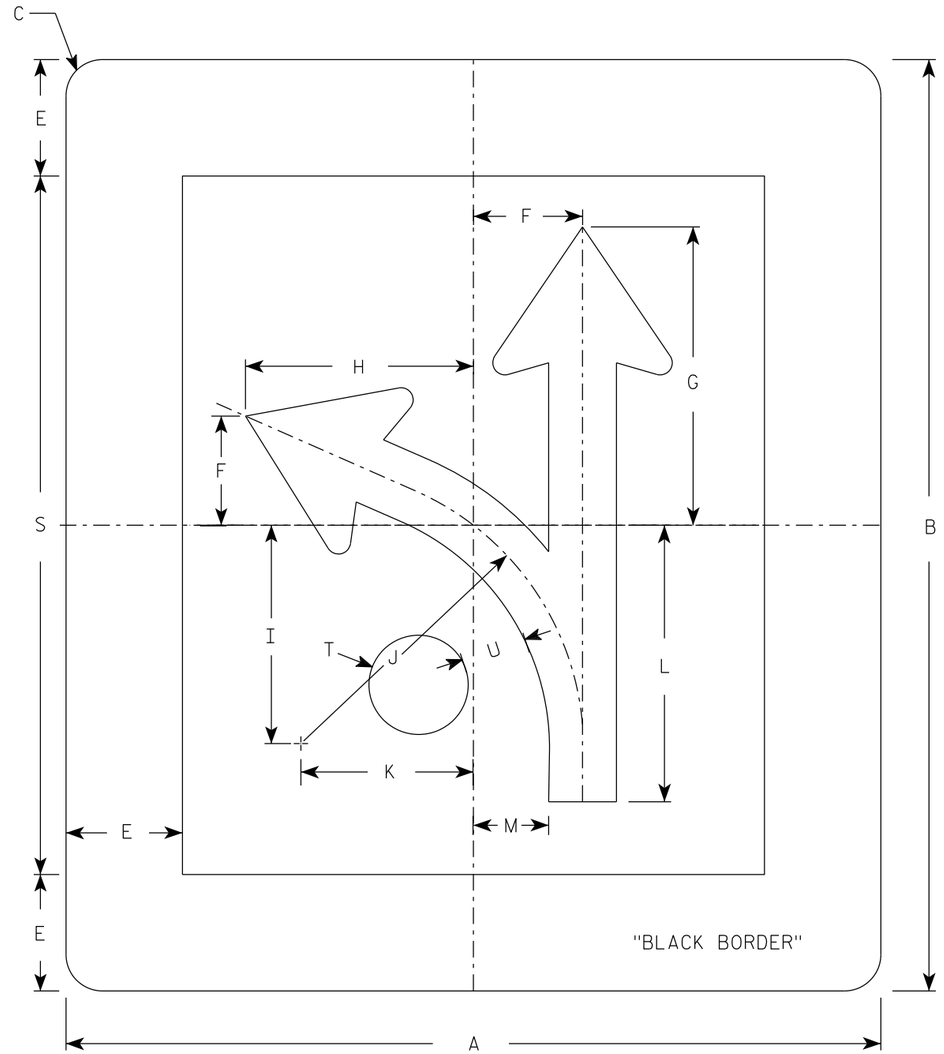
STANDARD SIGN
R3-6

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/26/24 PLATE NO. R3-6.6

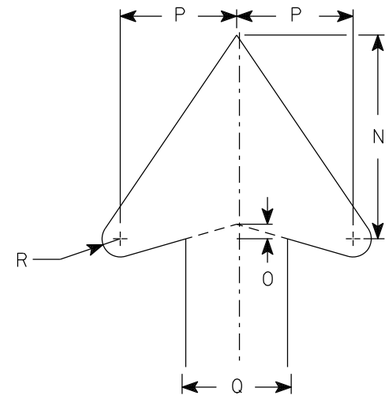
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 300	E



R3-6X

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. The 6" border is non-reflective black.



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	42	48	1 7/8		6	5 5/8	15 3/8	11 3/4	11 1/4	14 1/2	8 7/8	14 1/4	3 7/8	7	1/2	4	3 1/2	5/8	36	5	3 1/2						14.0
2M	42	48	1 7/8		6	5 5/8	15 3/8	11 3/4	11 1/4	14 1/2	8 7/8	14 1/4	3 7/8	7	1/2	4	3 1/2	5/8	36	5	3 1/2						14.0
3																											
4																											
5																											

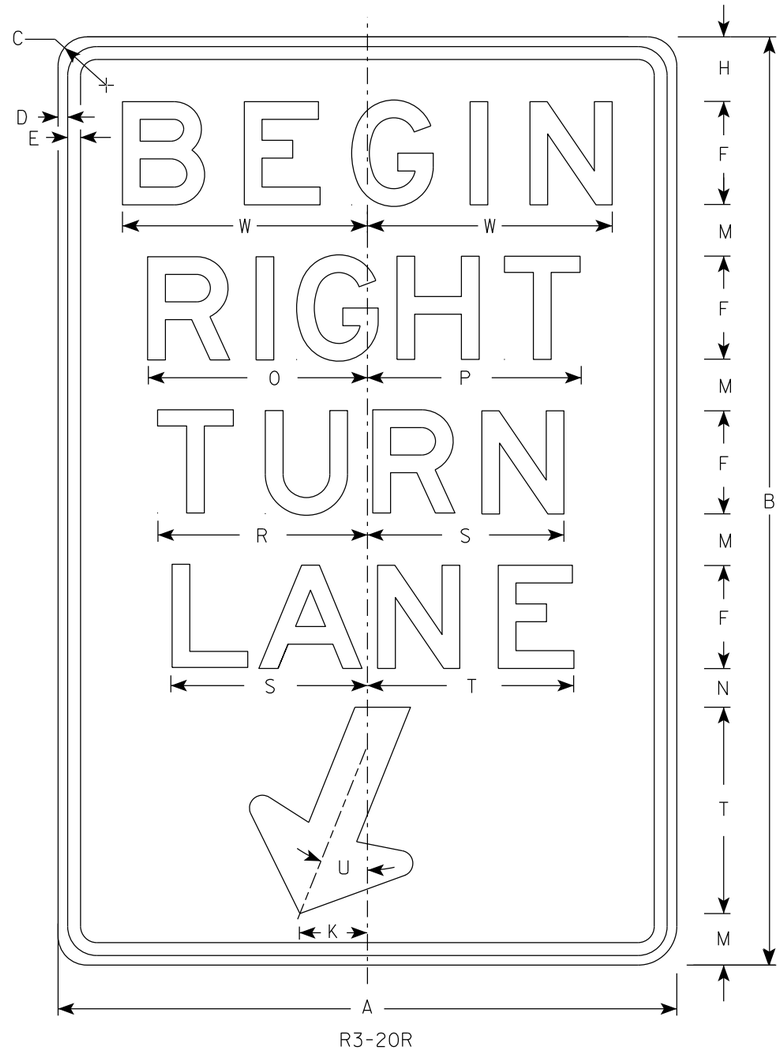
STANDARD SIGN
R3-6X

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/27/24 PLATE NO. R3-6X.4

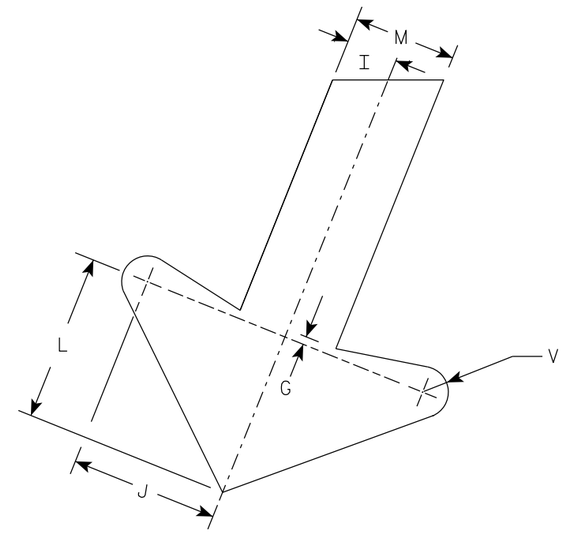
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 301 | E



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

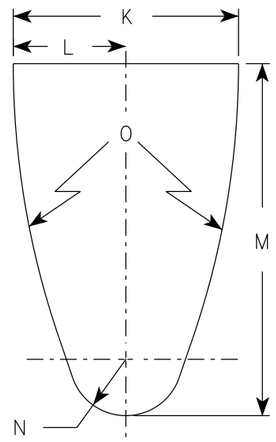
DATE 2/23/23 PLATE NO. R3-20R.7

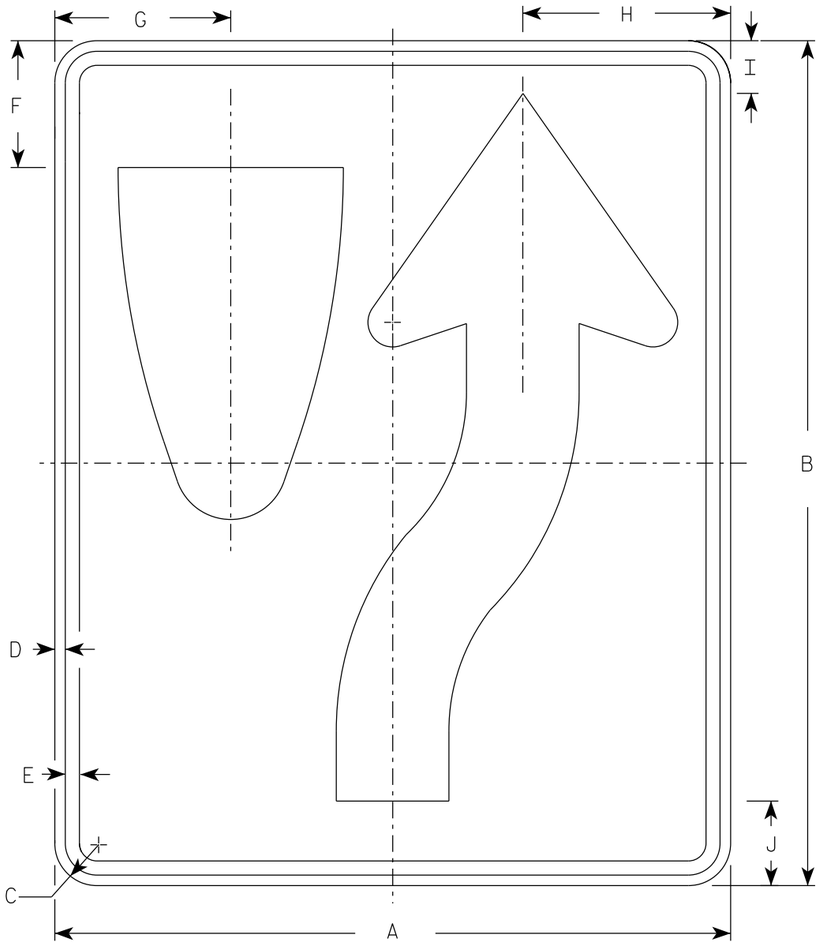
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 302 | E

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.

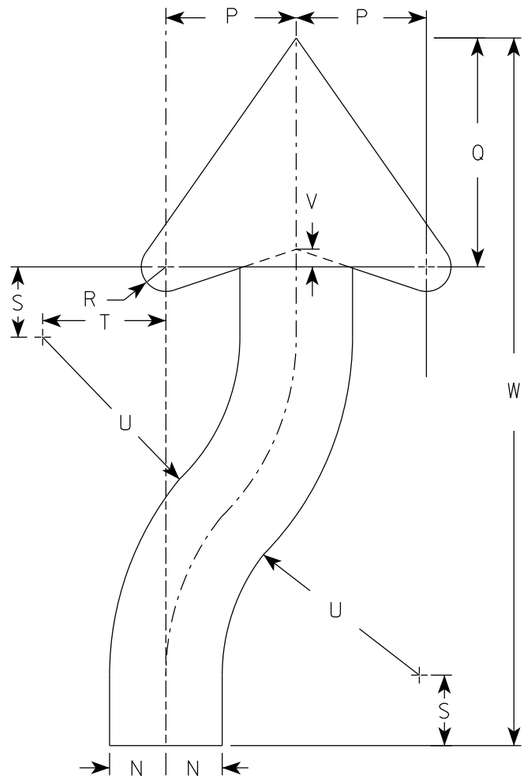
DIVIDER DETAIL





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

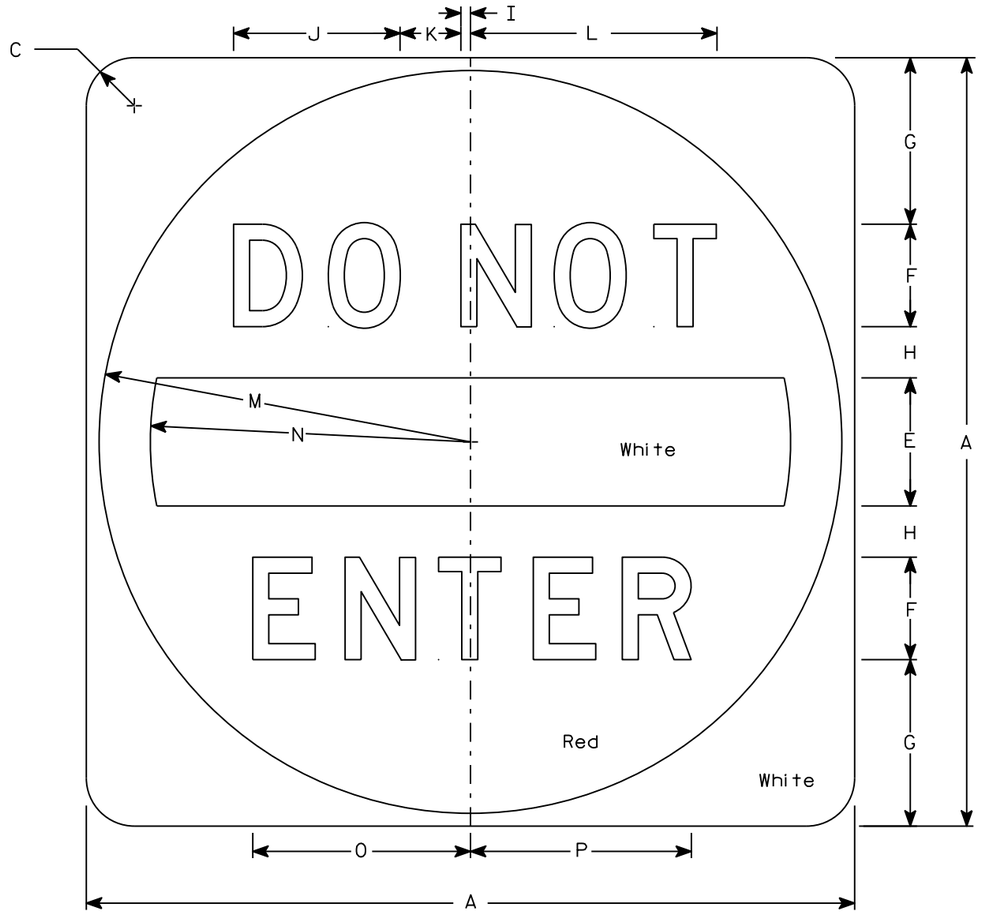
STANDARD SIGN
R4-7 & R4-8

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: 303	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

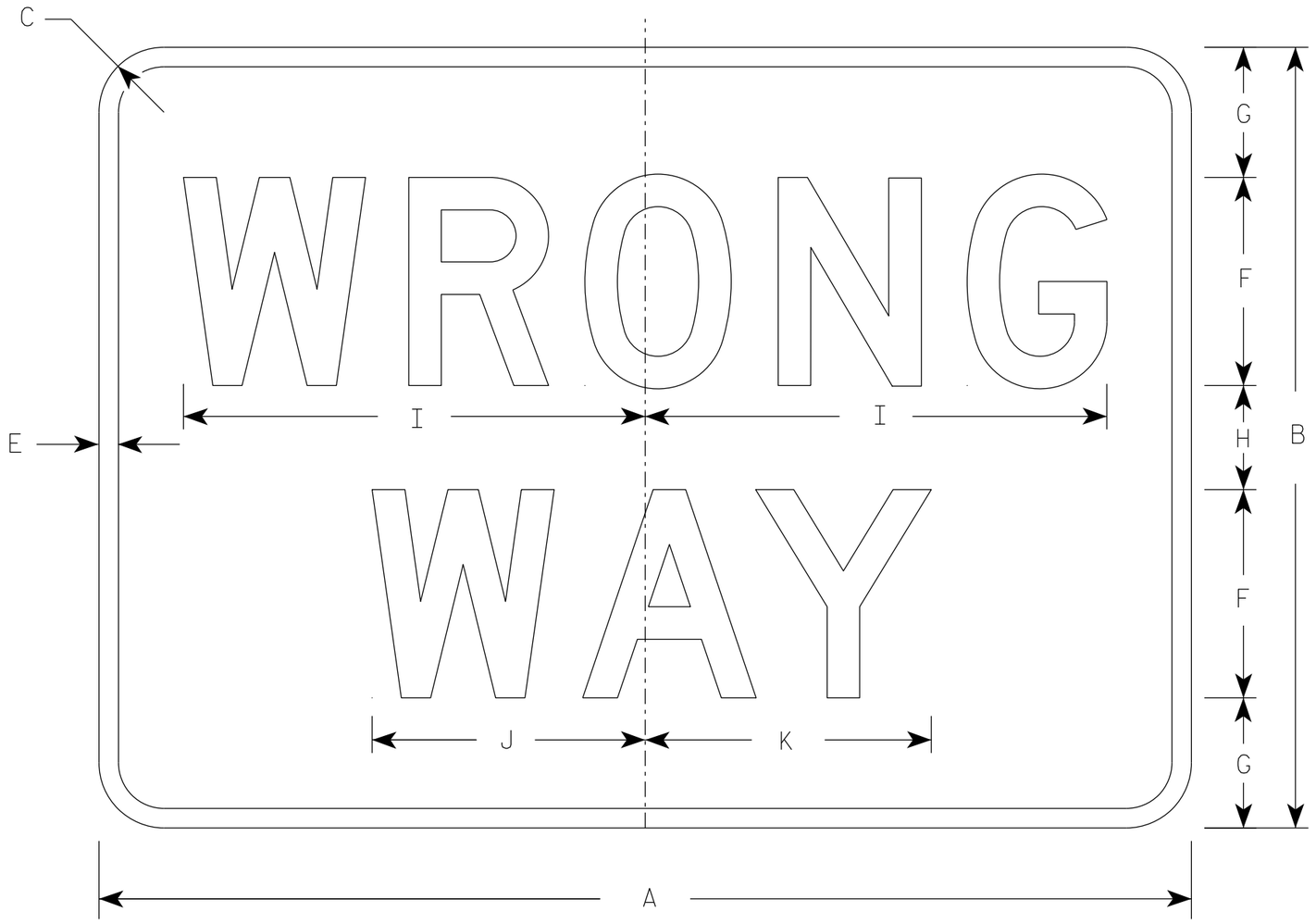
STANDARD SIGN
R5-1

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: 304 | 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

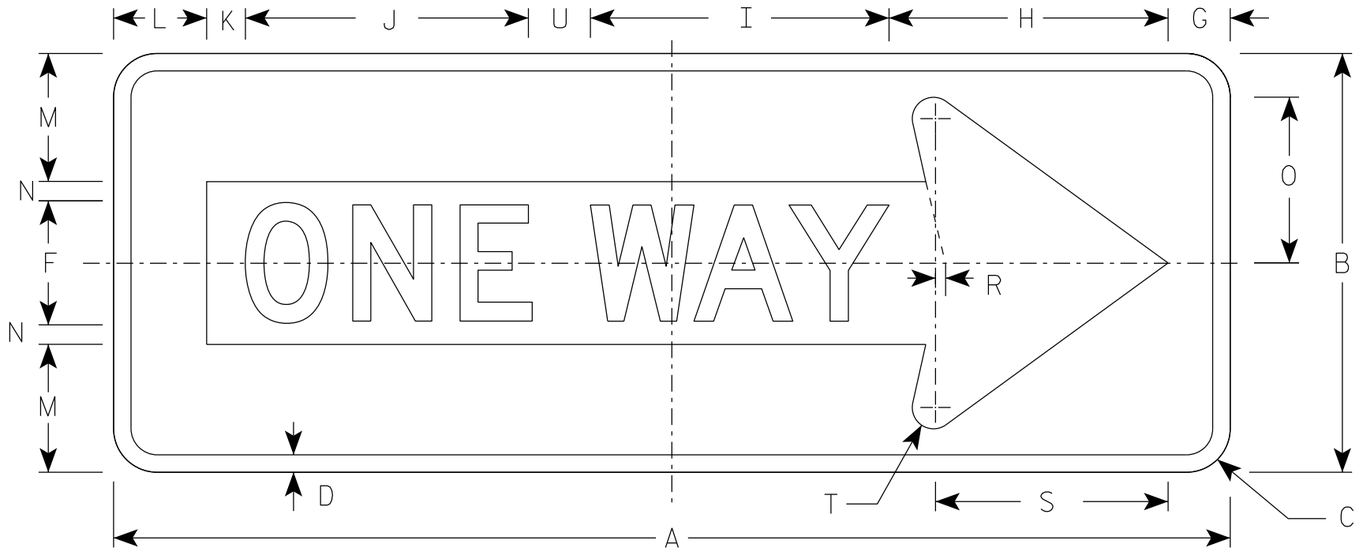
STANDARD SIGN
R5-1A

WISCONSIN DEPT OF TRANSPORTATION

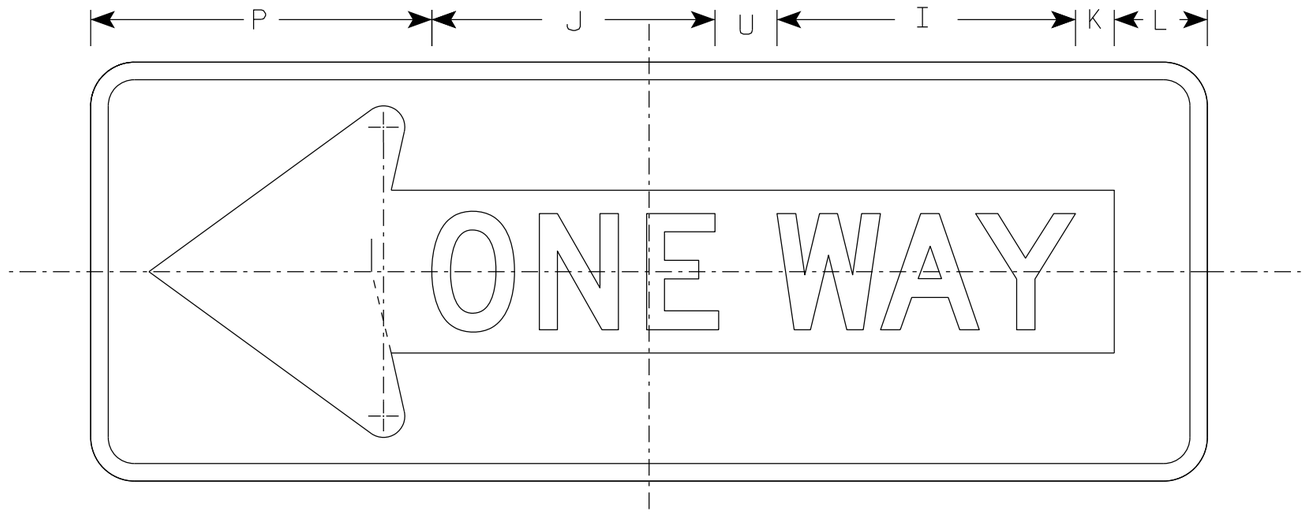
APPROVED Matthew R Rauch
for State Traffic Engineer

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

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 305 | 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:

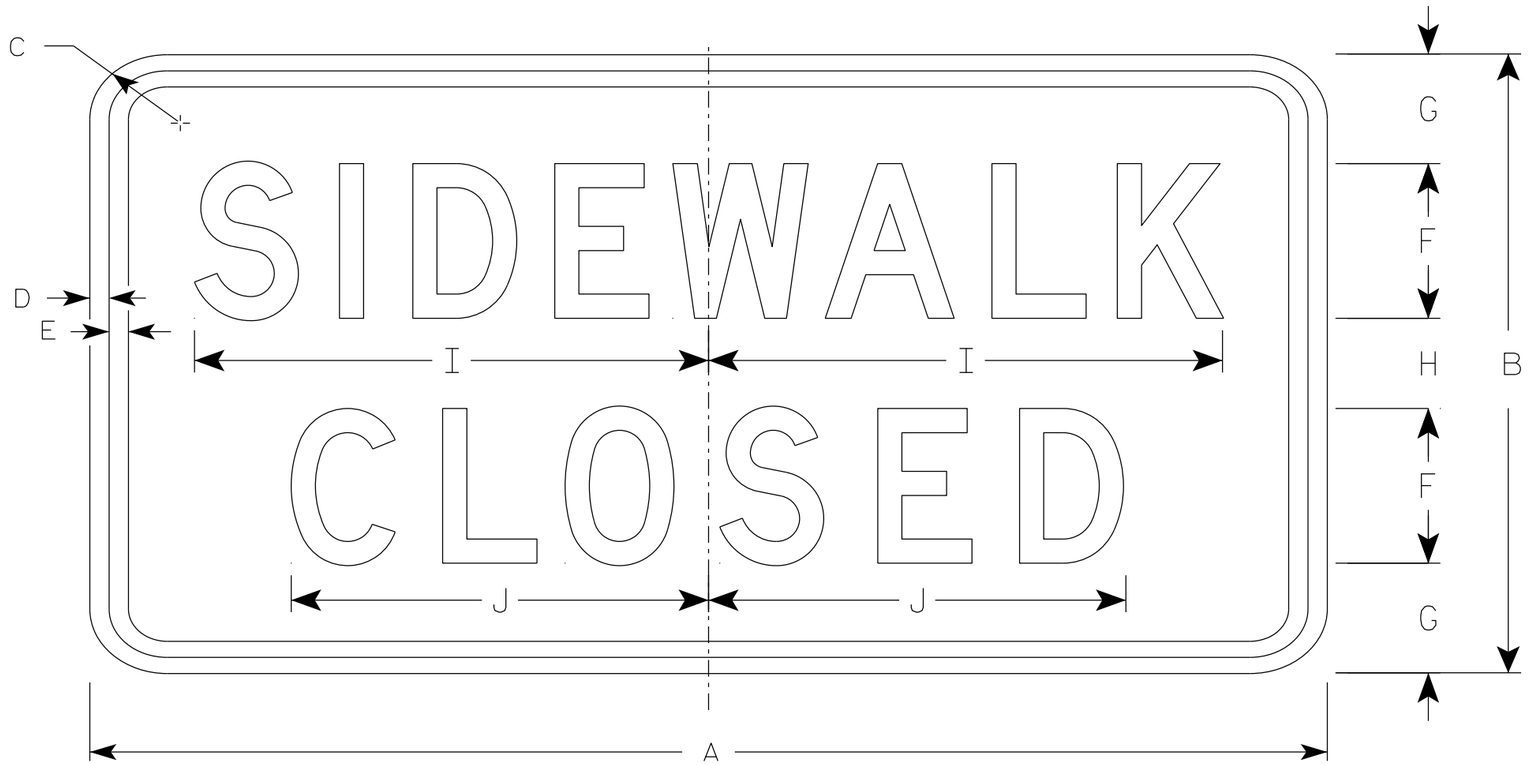
SHEET NO: 306 E

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



R9-9

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - C
4. Use Size 2 for Sidewalks. Use Size 3 for Paths and Trails.

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	½	½	3	2 ⅛	1 ¾	10	8 ⅛																	2.0
2M	24	12	1 ½	½	½	3	2 ⅛	1 ¾	10	8 ⅛																	2.0
3	30	18	1 ½	½	½	4	3 ½	3	12 ½	10 ¼																	3.75
4																											
5																											

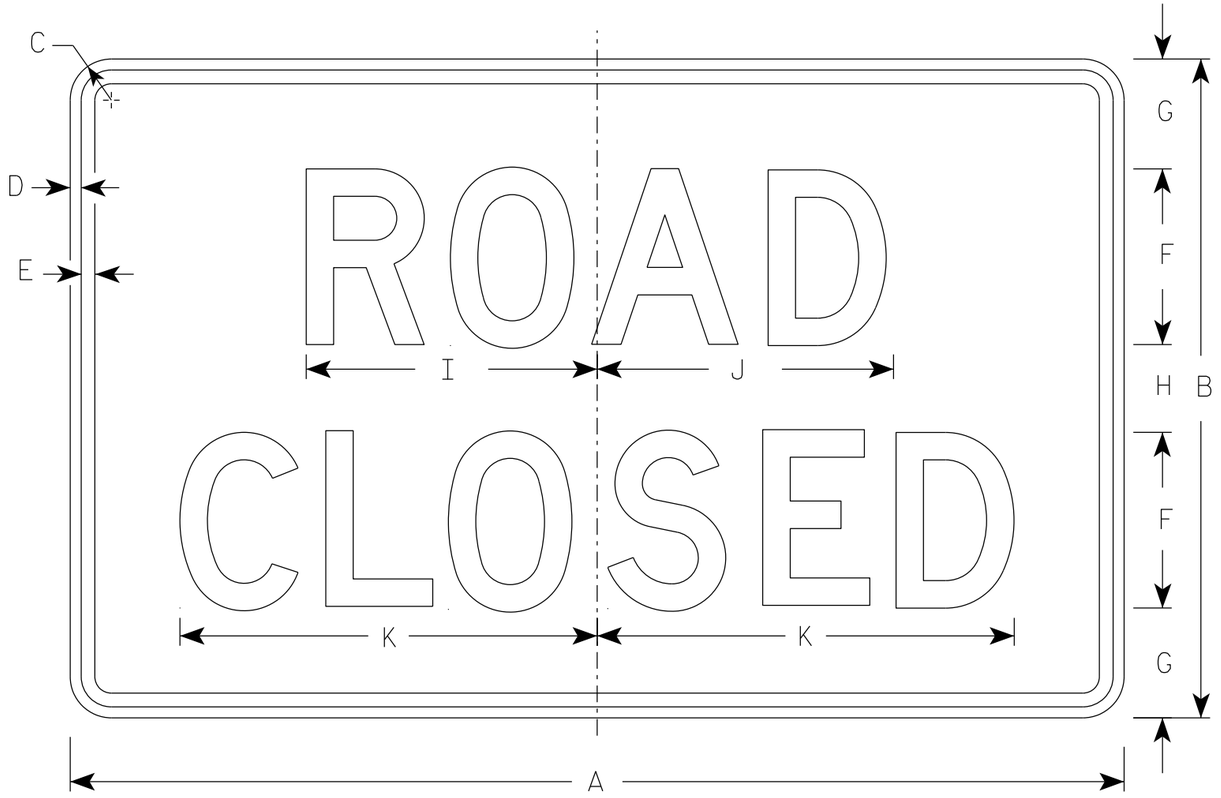
STANDARD SIGN
R9-9

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/24/24 PLATE NO. R9-9.7

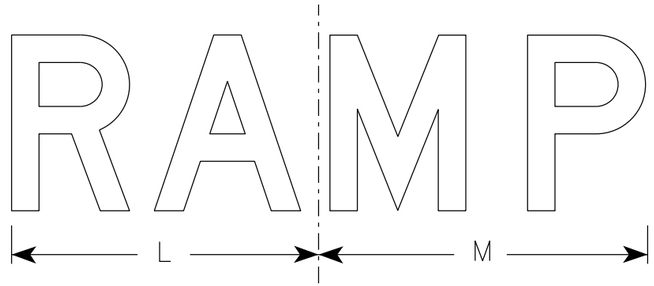
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 307 | E



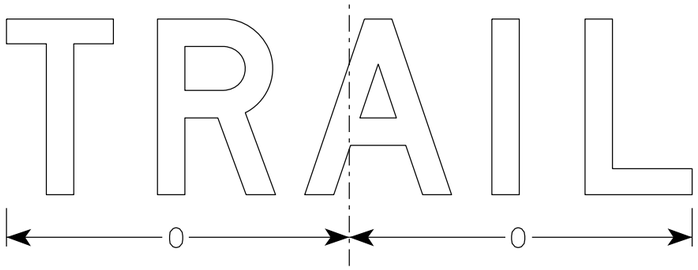
R11-2

NOTES

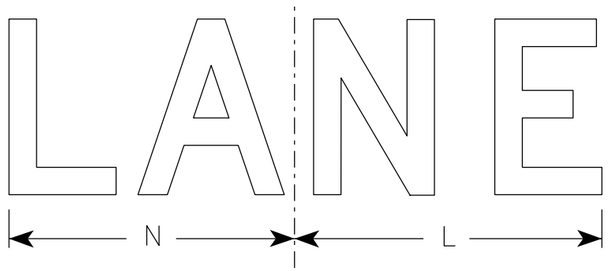
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Modify the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

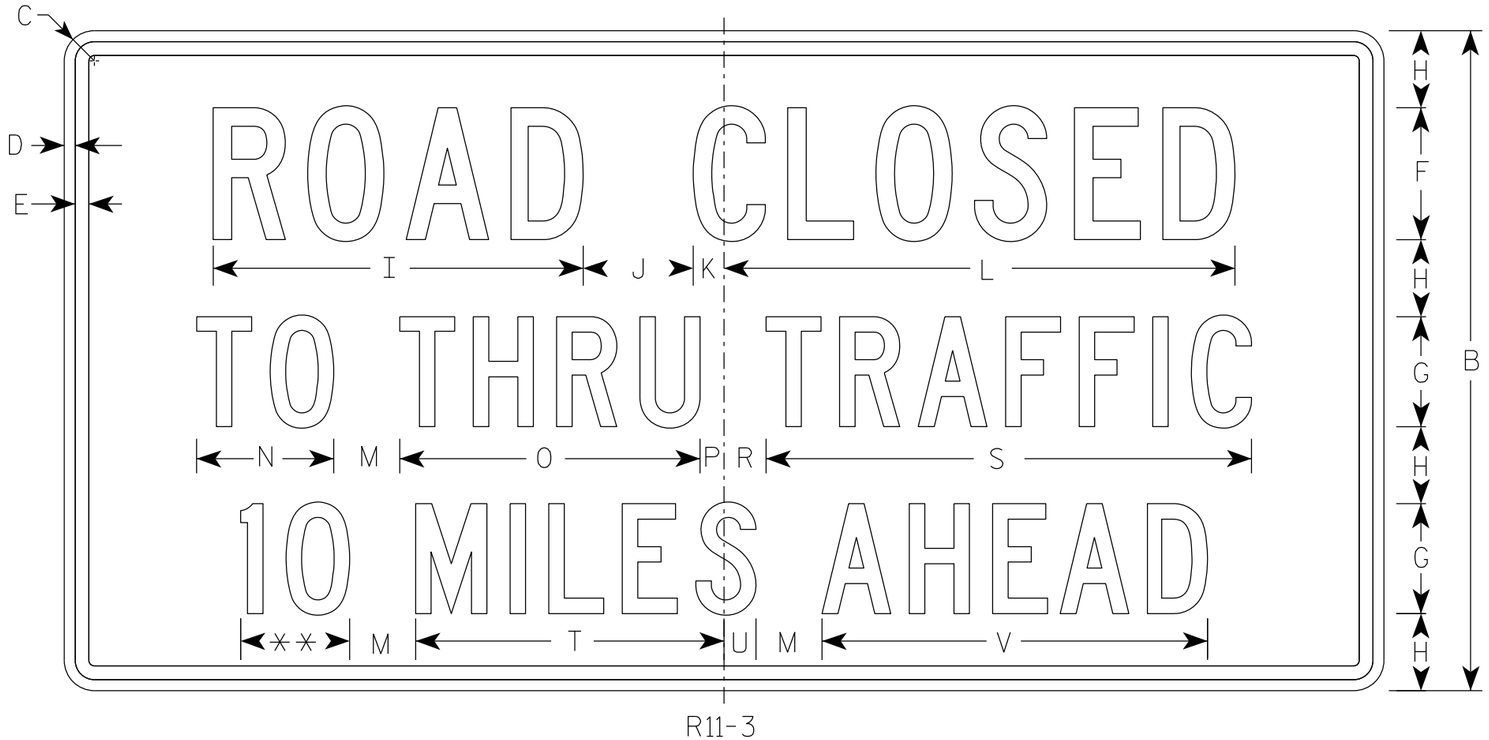
DATE 2/5/24 PLATE NO. R11-2.12

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

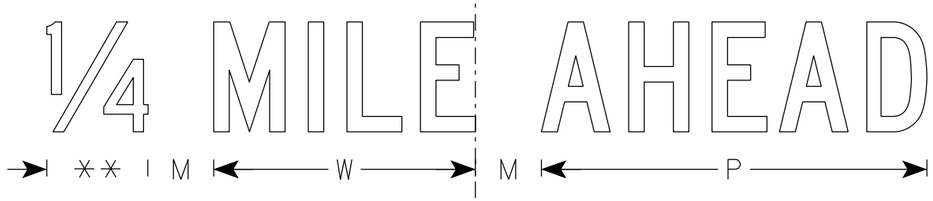
NOTES

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.
5. Substitute appropriate numerals to nearest quarter mile and optically adjust spacing to achieve proper balance.



R11-3

** 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	18	1 1/2	3/8	3/8	4	3	2	11 1/4	3	1 1/8	15 3/8	2	3 3/4	8 1/4	5/8		1 3/8	13 1/4	8 3/8	7/8	10 1/2	7 1/8				4.5
2S	60	30	1 7/8	1/2	5/8	6	5	3 1/2	16 7/8	5	1 3/8	23 1/4	3	6 1/4	13 5/8	1 1/8		1 7/8	22 1/8	14	1 1/2	17 1/2	11 7/8				12.5
2M	60	30	1 7/8	1/2	5/8	6	5	3 1/2	16 7/8	5	1 3/8	23 1/4	3	6 1/4	13 5/8	1 1/8		1 7/8	22 1/8	14	1 1/2	17 1/2	11 7/8				12.5
3																											
4																											
5																											

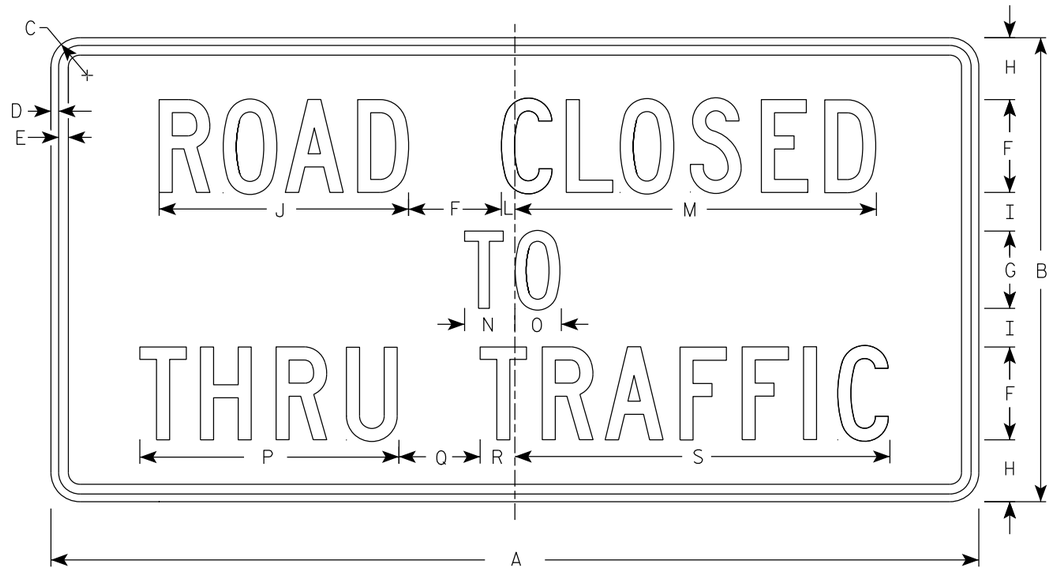
STANDARD SIGN
R11-3

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/5/24 PLATE NO. R11-3.10

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 309 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																											

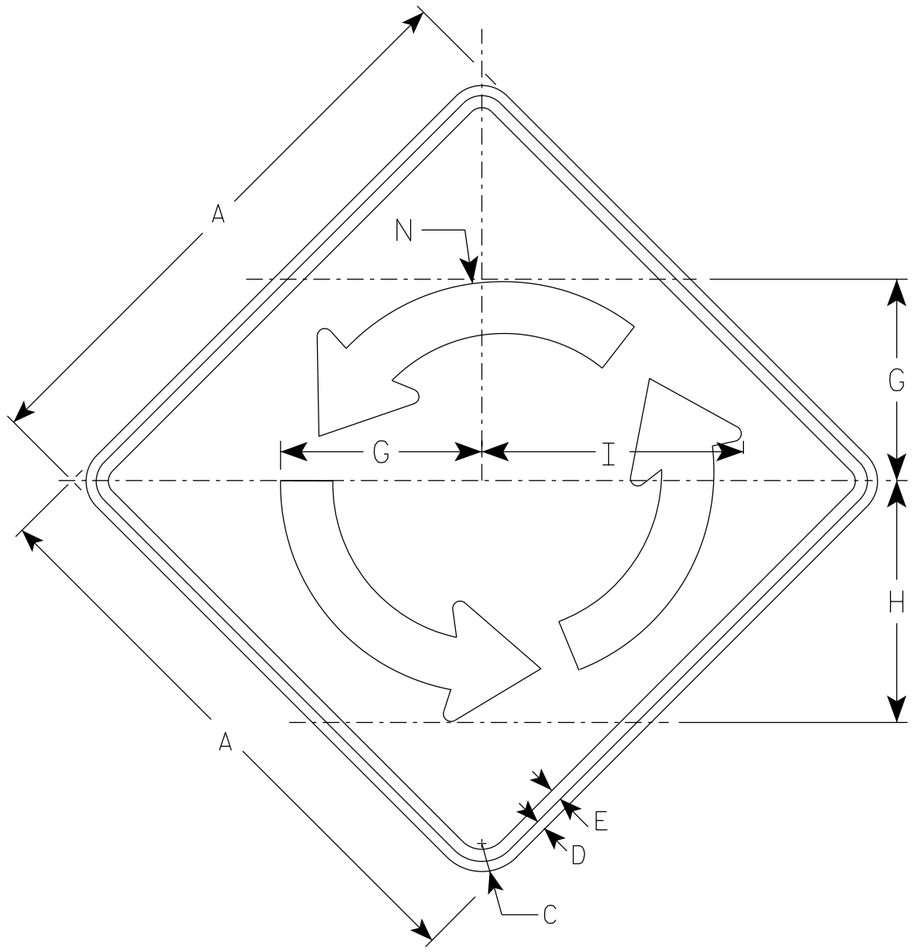
STANDARD SIGN
R11 - 4

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: 310 | E

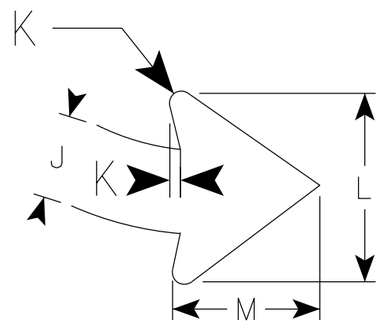


W2-6

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Yellow
   Message - Black

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	Area sq. ft.
1																									
2S	30		1 7/8	1/2	5/8		10 3/8	12 1/2	13 1/2	2 3/4	3/8	6	4 3/4	11 1/8											6.25
2M	30		1 7/8	1/2	5/8		10 3/8	12 1/2	13 1/2	2 3/4	3/8	6	4 3/4	11 1/8											6.25
3	36		2 1/4	5/8	3/4		12 1/2	15	16 1/4	3 1/4	1/2	7 3/8	5 3/4	13 3/8											9.00
4	48		3	3/4	1		16 5/8	20	16 1/4	4 3/8	5/8	9 3/4	7 5/8	17 7/8											16.0
5																									

STANDARD SIGN
W2-6

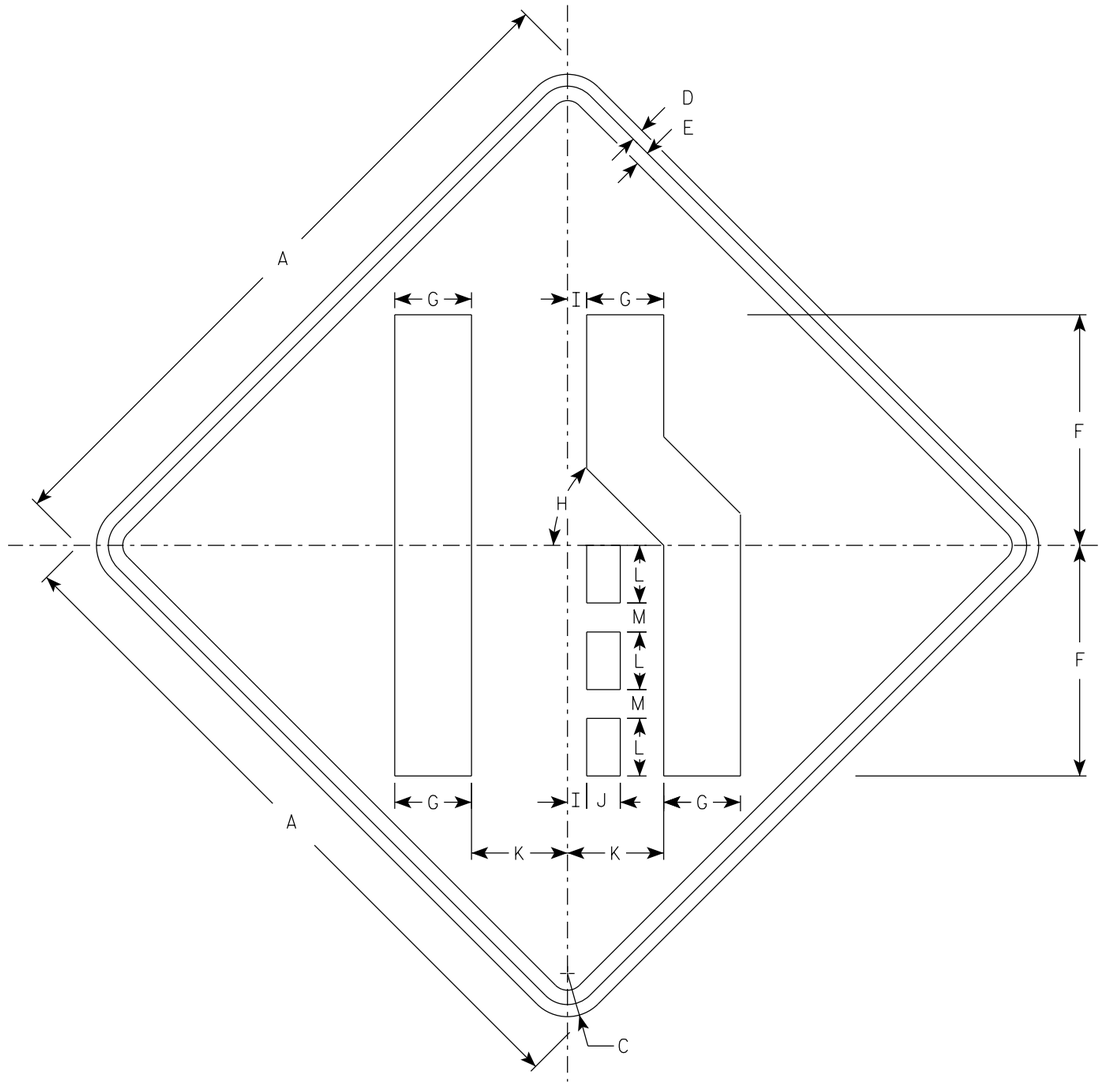
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 8/17/2023 PLATE NO. W2-6.8

PROJECT NO:

SHEET NO: 311 E



W4-2R

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Yellow
   Message - Black
3. W4-2L is the same as W4-2R except the symbolis 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	30		1 7/8	1/2	5/8	10	3 3/8	45°	7/8	1 1/2	4 1/4	2 1/2	1 1/4														6.25
2S	36		2 1/4	5/8	3/4	12	4	45°	1	1 3/4	5	3	1 1/2														9.0
2M	36		2 1/4	5/8	3/4	12	4	45°	1	1 3/4	5	3	1 1/2														9.0
3	36		2 1/4	5/8	3/4	12	4	45°	1	1 3/4	5	3	1 1/2														9.0
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
W4-2

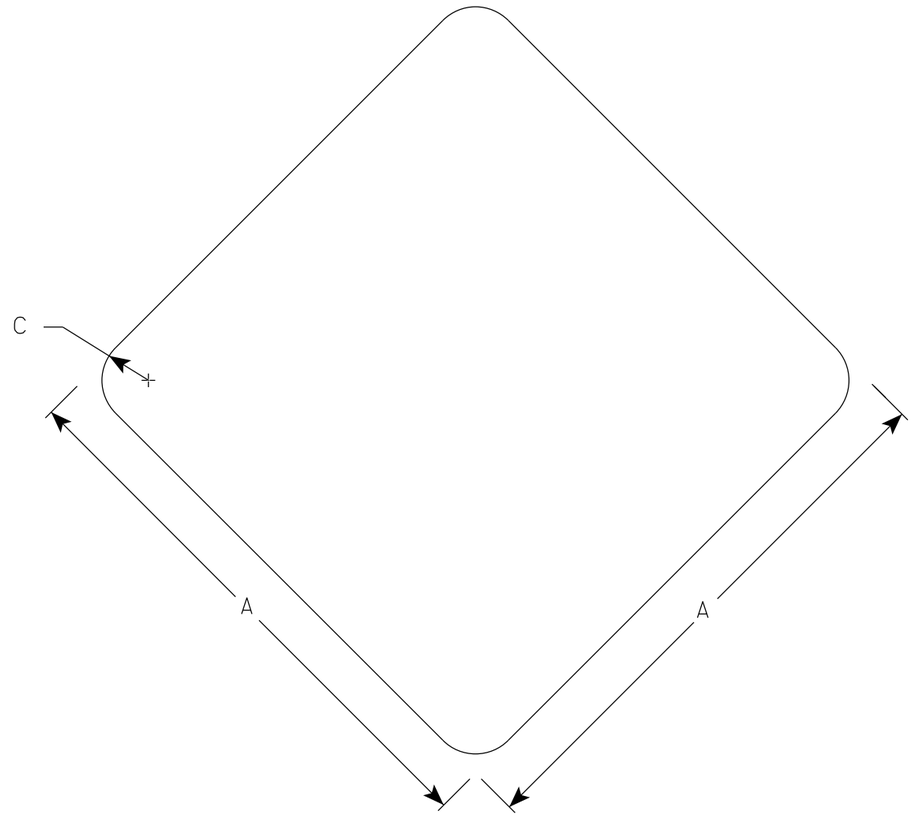
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 8/31/2023 PLATE NO. W4-2.15

PROJECT NO:

SHEET NO: E



W5-54

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - 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	12		1 ½																								1.0
2S	18		1 ½																								2.25
2M	18		1 ½																								2.25
3																											
4																											
5																											

STANDARD SIGN
W5-54

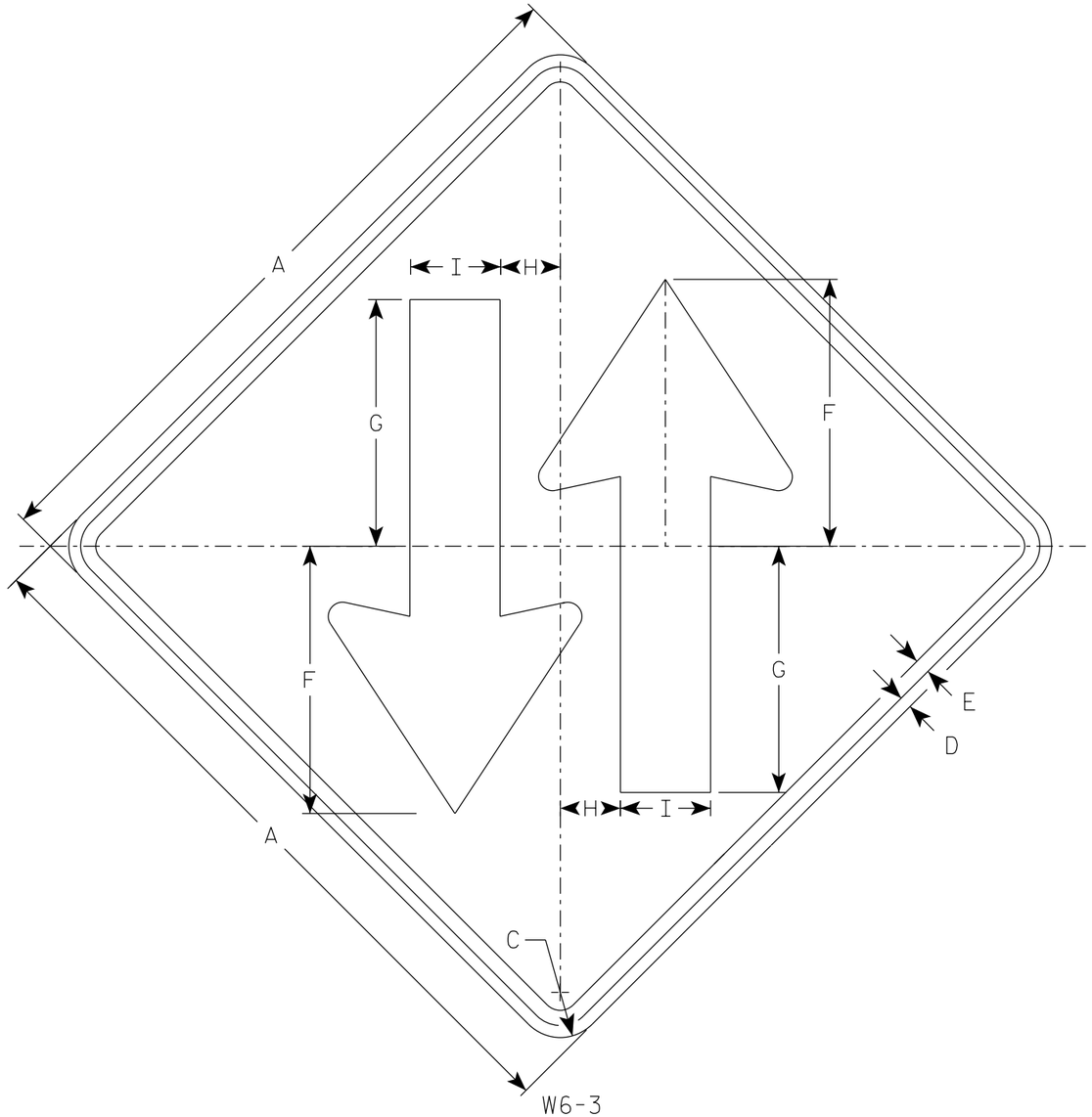
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/5/2024 PLATE NO. W5-54.9

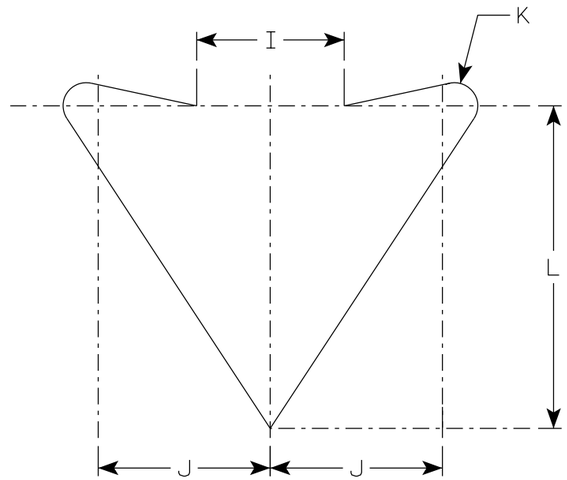
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate_W554.dgn PLOT DATE : 5-MARCH 2024 11:55 PLOT BY : dotc4c PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42



NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Yellow
   Message - Black



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	11 1/8	10 1/4	2 1/2	3 3/4	4 3/8	5/8	8 1/4															6.25
2S	36		2 1/4	5/8	3/4	13 3/8	12 1/4	3	4 1/2	5 1/4	3/4	9 7/8															9.0
2M	36		2 1/4	5/8	3/4	13 3/8	12 1/4	3	4 1/2	5 1/4	3/4	9 7/8															9.0
3	36		2 1/4	5/8	3/4	13 3/8	12 1/4	3	4 1/2	5 1/4	3/4	9 7/8															9.0
4	48		3	3/4	1	17 3/4	16 3/8	4	6	7	1	13 1/8															16.0
5	48		3	3/4	1	17 3/4	16 3/8	4	6	7	1	13 1/8															16.0

STANDARD SIGN
W6-3

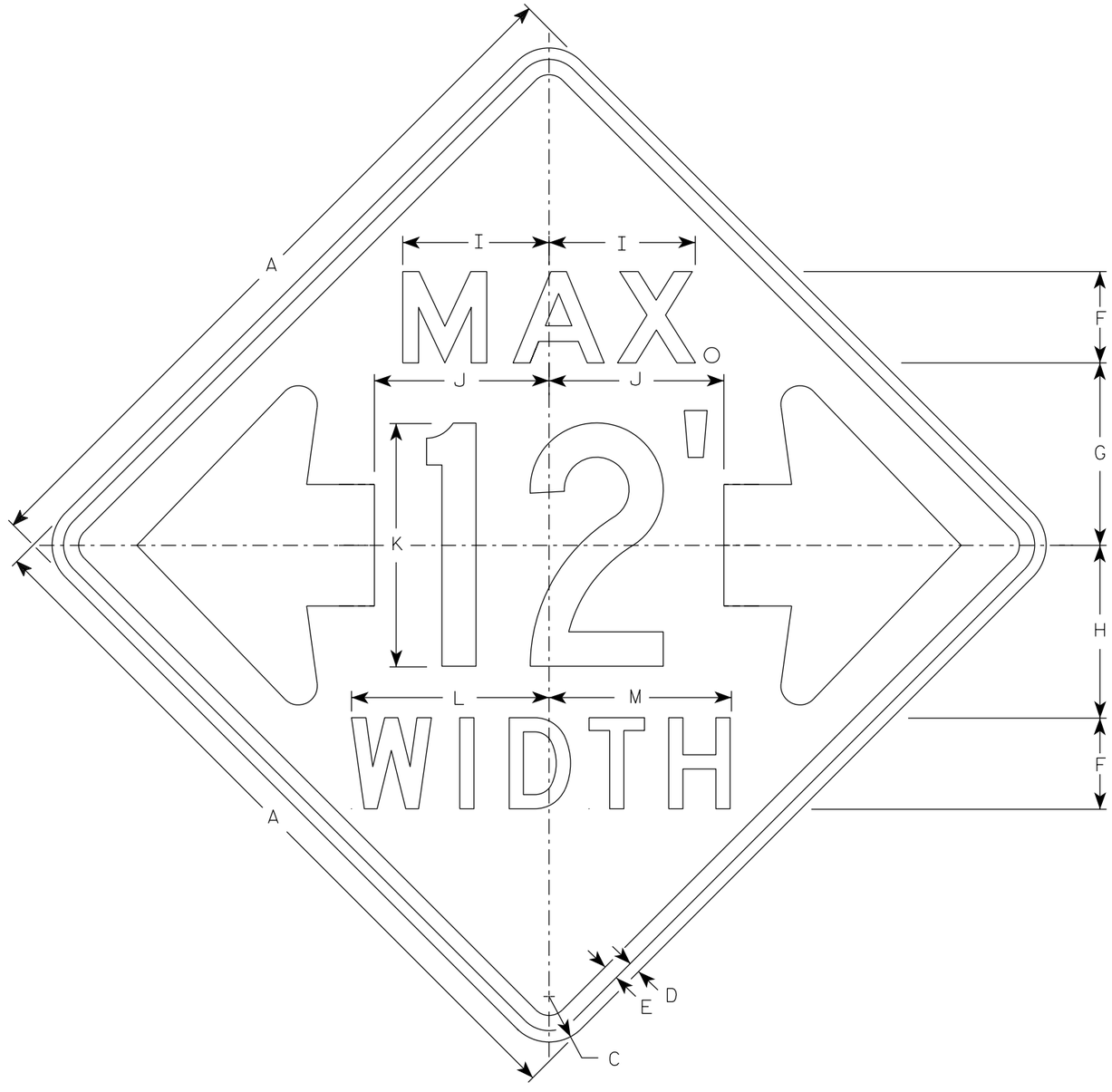
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 9/6/2023 PLATE NO. W6-3.12

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

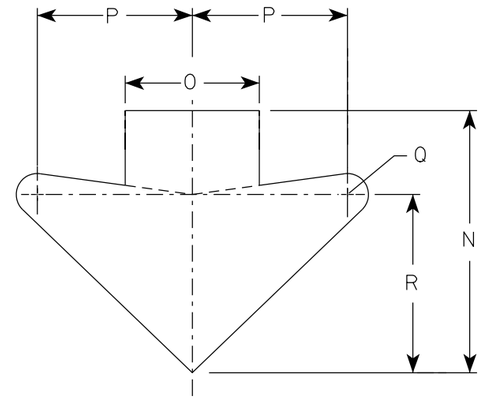
FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W63.dgn PLOT DATE : 6-SEPT 2023 8:00 PLOT BY : dotc4c PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42



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																											

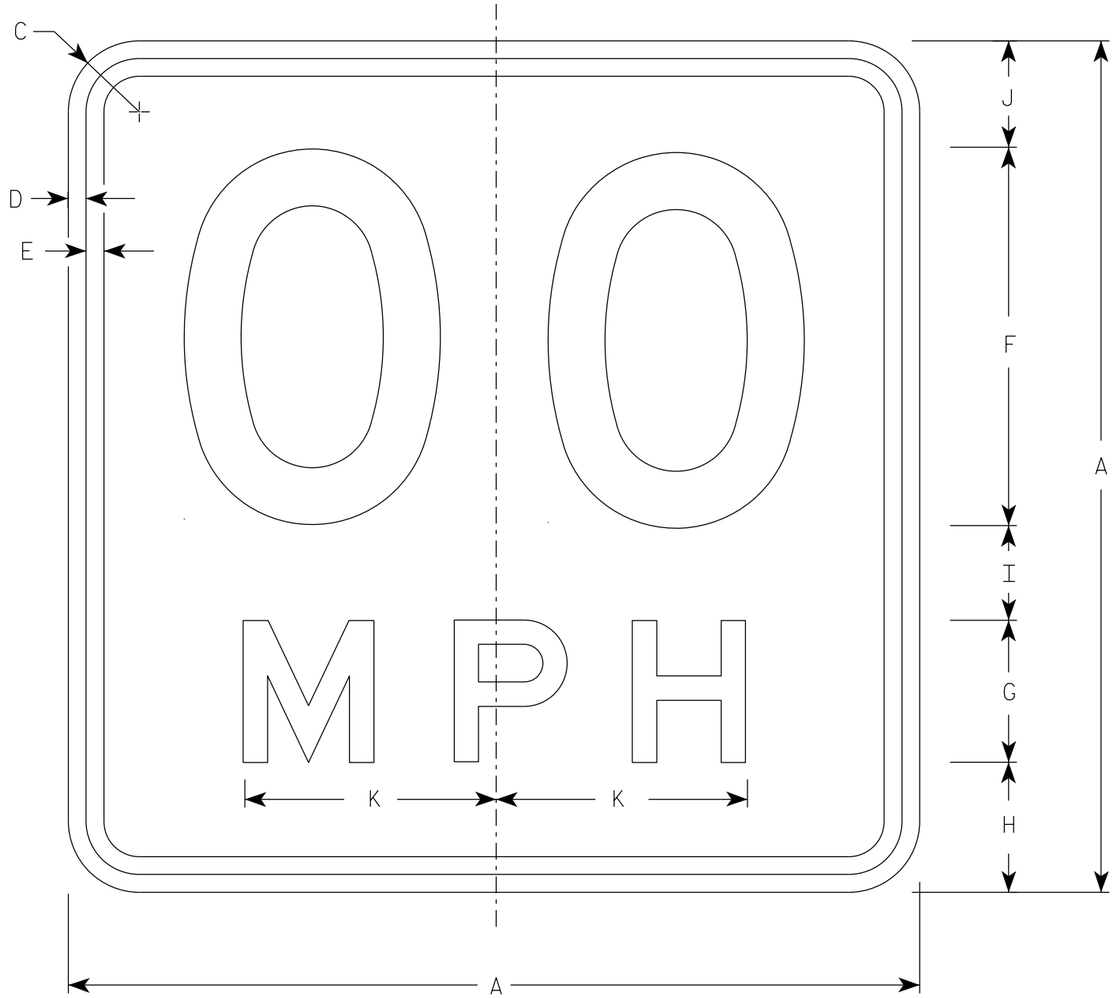
STANDARD SIGN
W12-52

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: 315 | E



W13-1

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Yellow
   Message - Black
3. Message Series - See Note 5
4. Substitute appropriate numerals and optically space about centerline to achieve proper balance.
5. Line 1 is Series D
   Line 2 is Series E

* For 30" x 30" Warning Signs, use 18" x 18" W13-1 signs.
For 36" x 36" Warning Signs, use 24" x 24" W13-1 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	18		1 1/2	3/8	3/8	8	3	2 3/4	2	2 1/4	5 3/8																2.25
*	2S	18		1 1/2	3/8	3/8	8	3	2 3/4	2	2 1/4	5 3/8																2.25
*	2M	18		1 1/2	3/8	3/8	8	3	2 3/4	2	2 1/4	5 3/8																2.25
	3	24		1 1/2	3/8	1/2	10	4	4	2 3/4	3 1/4	6 5/8																4.00
	4	36		2 1/4	5/8	3/4	16	6	5 1/2	4	4 1/2	10 5/8																9.00
	5	36		2 1/4	5/8	3/4	16	6	5 1/2	4	4 1/2	10 5/8																9.00

STANDARD SIGN
W13-1

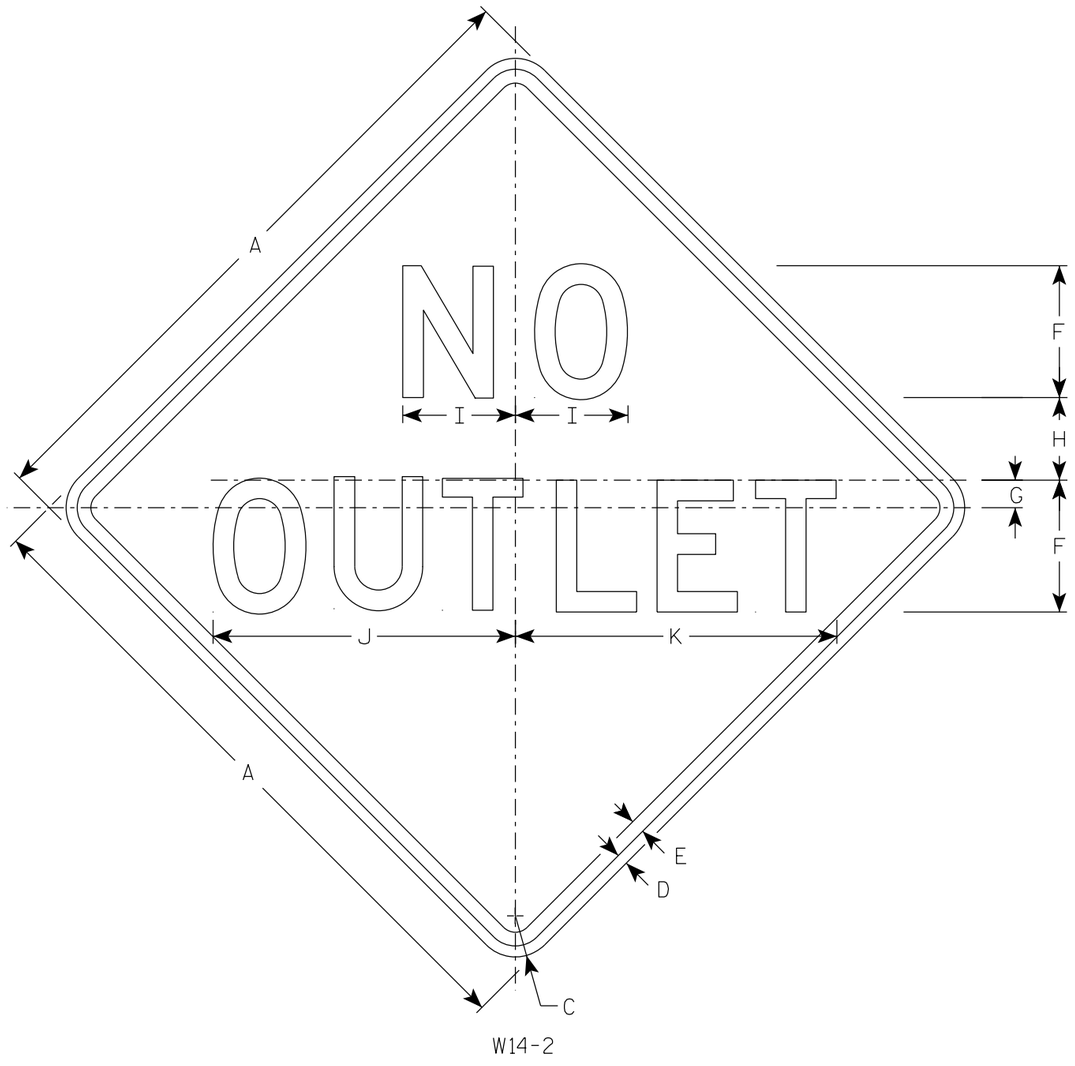
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 1/8/2024 PLATE NO. W13-1.17

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

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W131.dgn PLOT DATE : 8-Jan 2024 11:07 PLOT BY : dotc4c PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42



W14-2

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Yellow
   Message - Black
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	24		1 1/2	3/8	1/2	5	1	2 3/4	4 1/8	11 3/4	12 3/8																4.0
2S	30		1 7/8	1/2	5/8	6	1 1/4	3 3/4	5 1/8	13 3/4	14 5/8																6.25
2M	30		1 7/8	1/2	5/8	6	1 1/4	3 3/4	5 1/8	13 3/4	14 5/8																6.25
3	36		2 1/4	5/8	3/4	7	1 3/8	4 5/8	6	16 1/8	17 1/8																9.0
4																											
5																											

STANDARD SIGN
W14-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

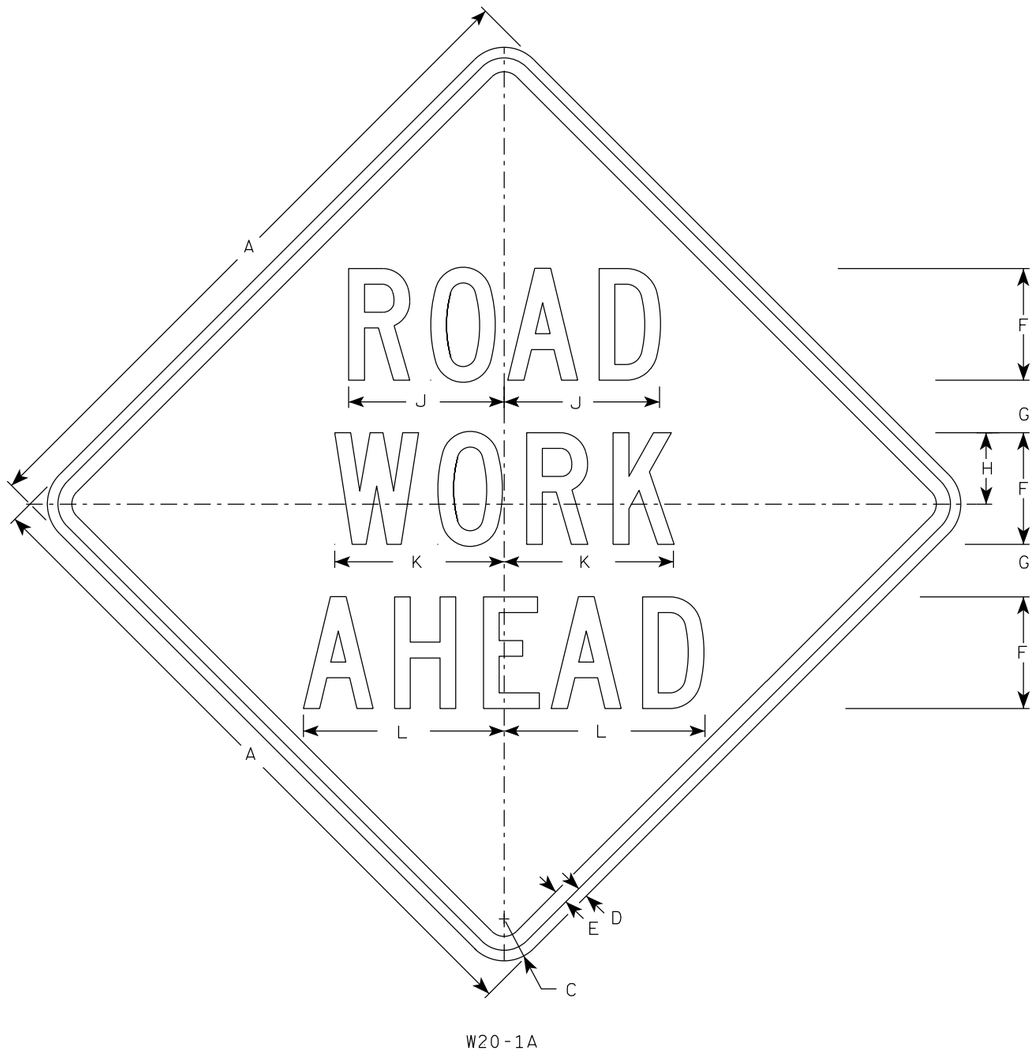
DATE 1/8/2024 PLATE NO. W14-2.4

PROJECT NO:

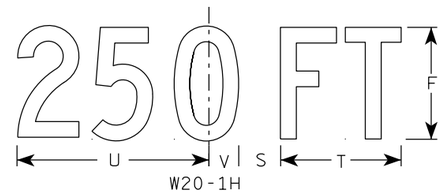
SHEET NO: 317 E

7

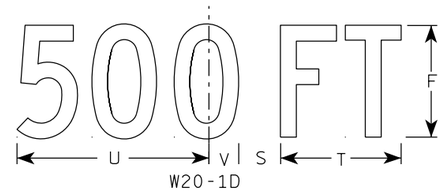
7



W20-1A

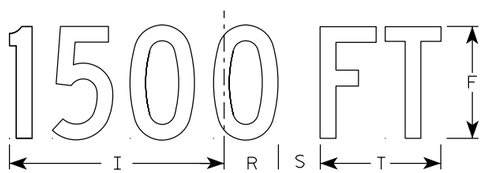


W20-1H



W20-1D

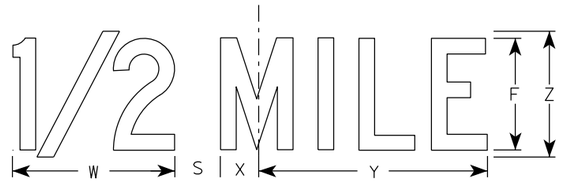
W20-1C



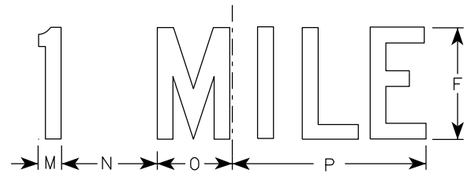
W20-1B

NOTES

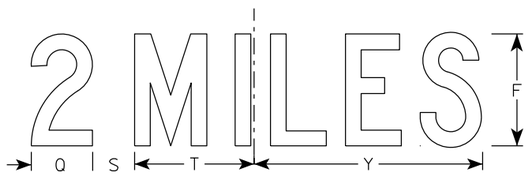
1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



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:

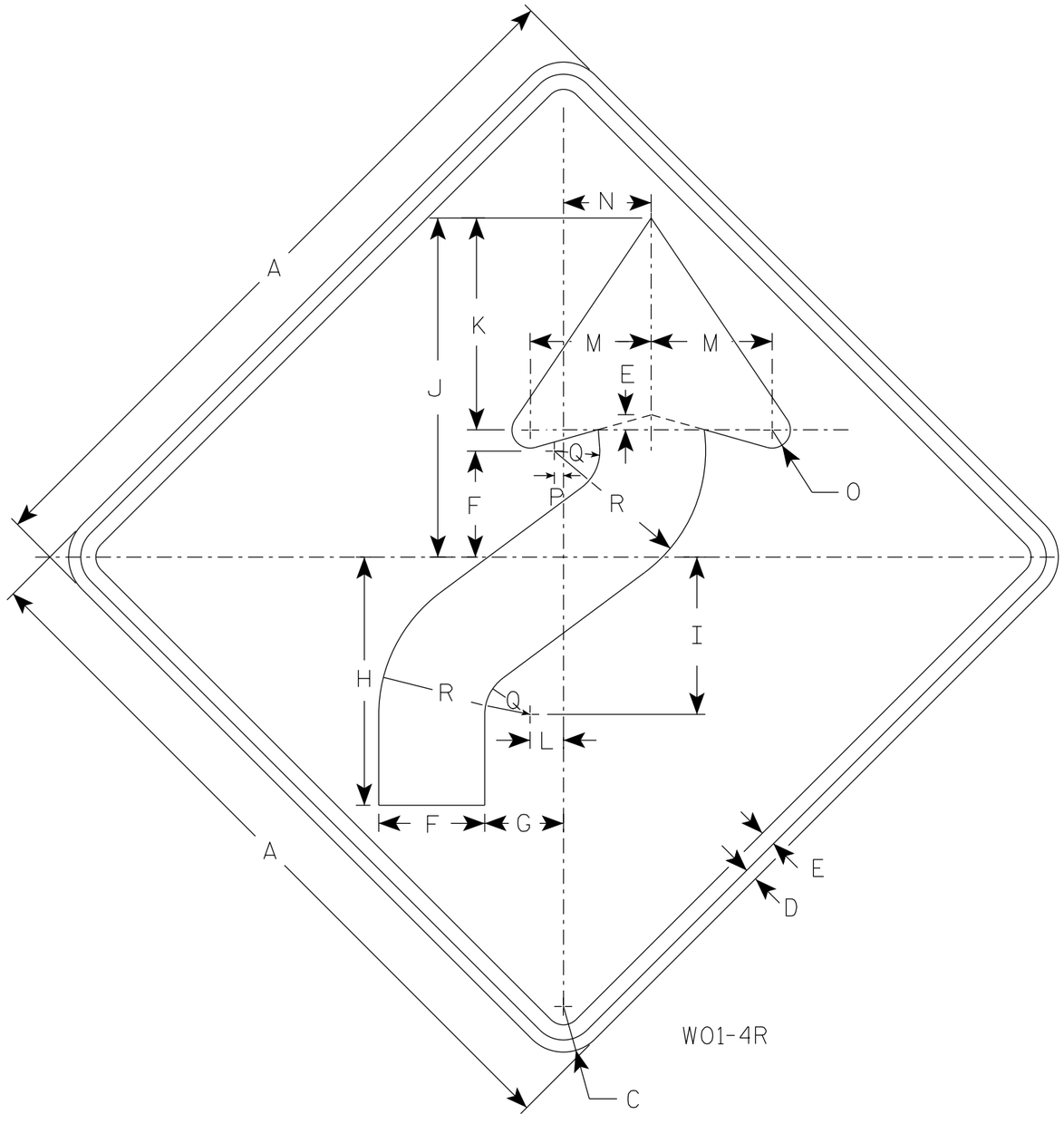
SHEET NO: 318 E

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



W01-4R

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. W01-4L is the same as W01-4R 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

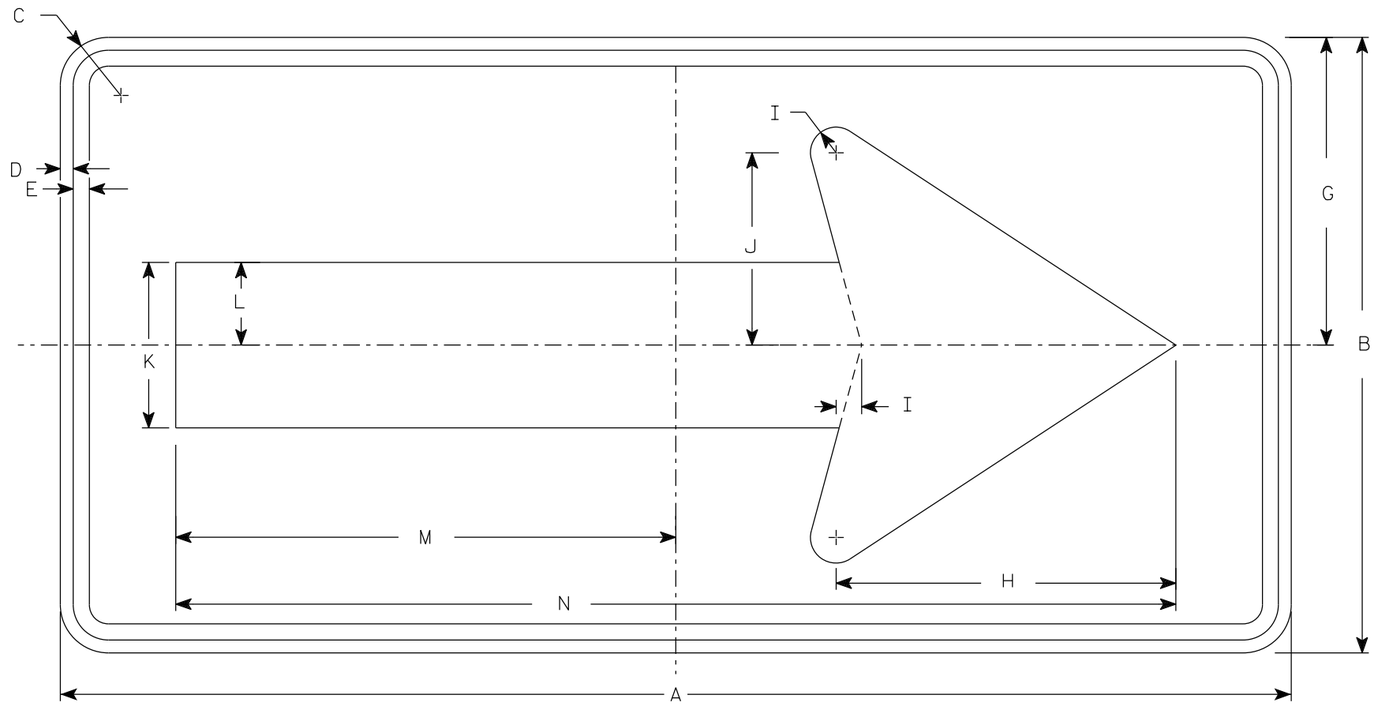
STANDARD SIGN
W01-4

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 1/24/2024 PLATE NO. W01-4.2

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 319 | 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

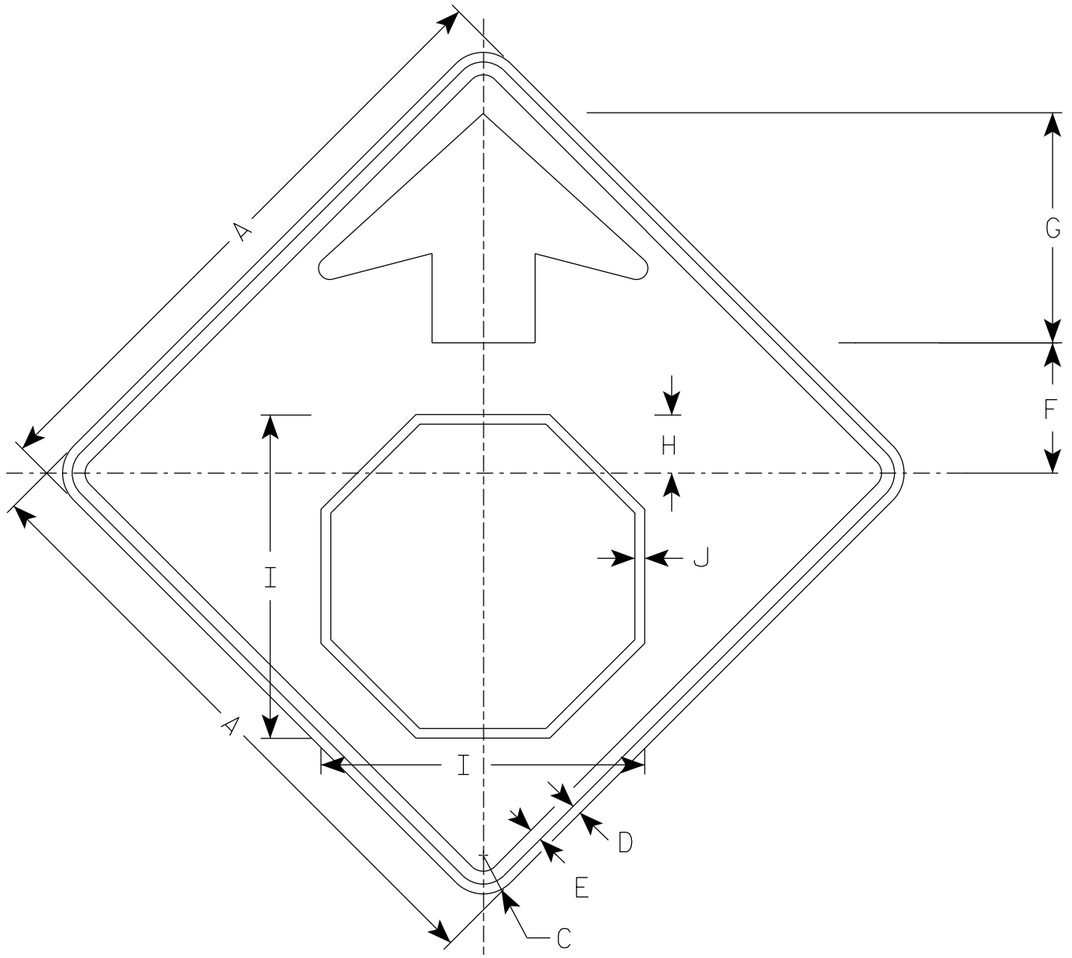
STANDARD SIGN
WO1-6

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

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

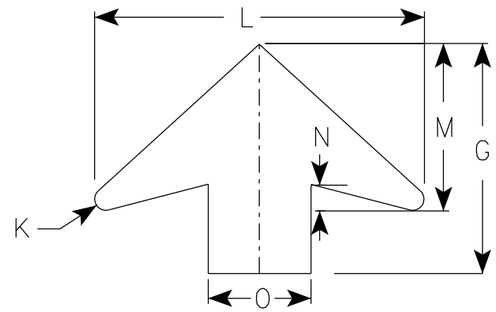
PROJECT NO: | HWY: | COUNTY: | SHEET NO: E



W03-1

NOTES

1. All Signs Type II - Type F Reflective
2. Color:
   Background - ORANGE
   Arrow & Border - BLACK
   Stop 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 1/2	19	5/8	5/8	19 1/4	9 3/4	1 5/8	6												9.0
2S	48		3	3/4	1	10	17 7/8	4 1/2	25 1/8	3/4	7/8	25 5/8	13	2	8												16.0
2M	48		3	3/4	1	10	17 7/8	4 1/2	25 1/8	3/4	7/8	25 5/8	13	2	8												16.0
3	48		3	3/4	1	10	17 7/8	4 1/2	25 1/8	3/4	7/8	25 5/8	13	2	8												16.0
4	48		3	3/4	1	10	17 7/8	4 1/2	25 1/8	3/4	7/8	25 5/8	13	2	8												16.0
5	48		3	3/4	1	10	17 7/8	4 1/2	25 1/8	3/4	7/8	25 5/8	13	2	8												16.0

STANDARD SIGN
W03-1

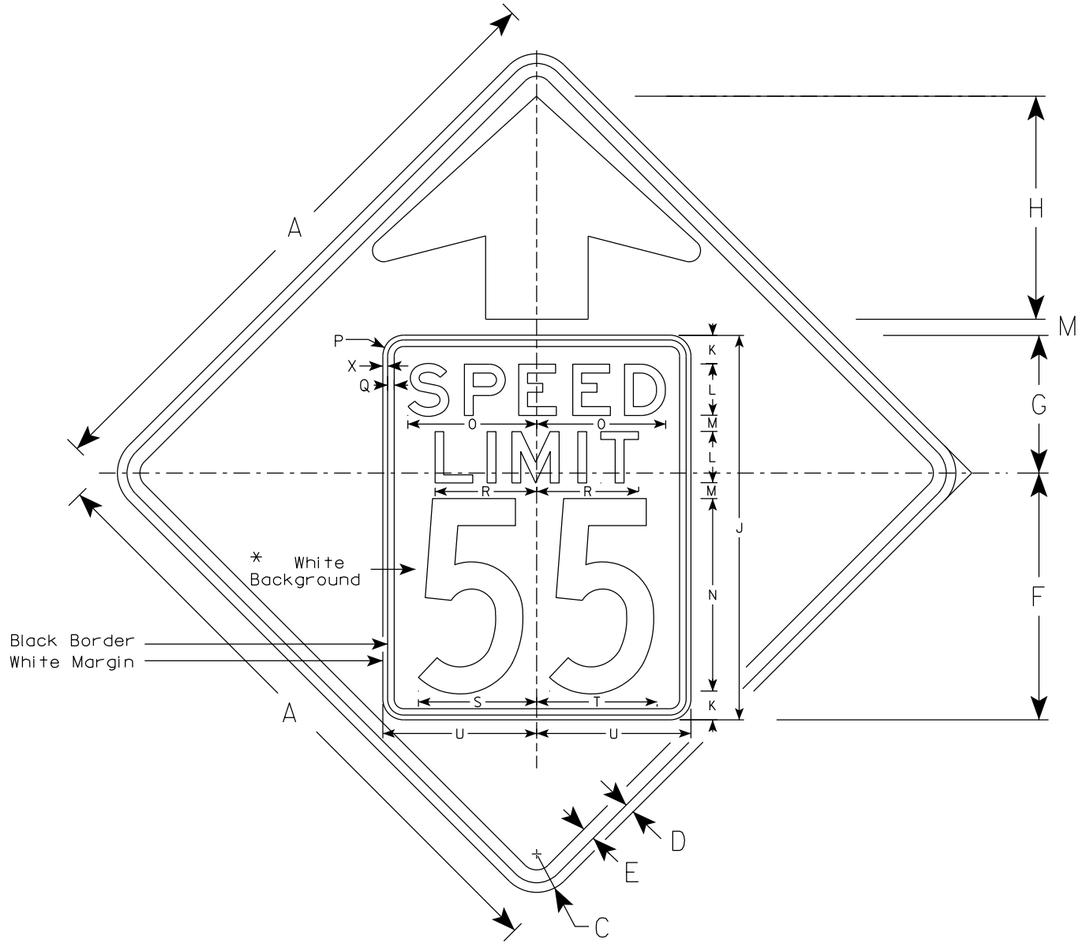
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 1/24/2024 PLATE NO. W03-1.2

PROJECT NO:

SHEET NO: 321 E

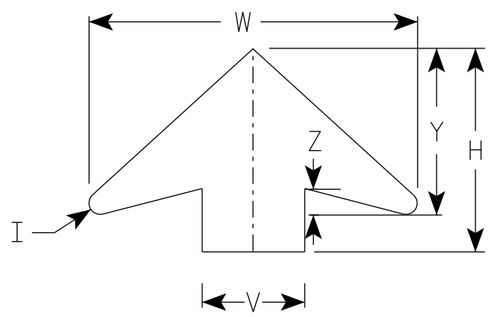


W03-5

NOTES

1. Sign is Type II - Type F Reflective
2. Color: *
   Background - ORANGE*
   Message - BLACK
3. Message Series - C for numbers Series E for wording
4. Substitute appropriate numerals and optically adjust spacing to achieve proper balance

*Speed Limit Sign shall have a White 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	14 1/2	9 1/2	11 1/2	5/8	24	2	3	1	12	7 1/8	1 1/2	3/8	5 3/4	7 1/4	7 1/8	9	6	19 1/4	3/8	9 3/4	1 5/8	9.0
2S	48		3	3/4	1	19 1/4	10 3/4	17 3/8	7/8	30	2 1/4	4	1 1/4	15	10	1 5/8	1/2	8	9 1/4	9 3/8	12	8	25 5/8	3/8	13	2	16.0
2M	48		3	3/4	1	19 1/4	10 3/4	17 3/8	7/8	30	2 1/4	4	1 1/4	15	10	1 5/8	1/2	8	9 1/4	9 3/8	12	8	25 5/8	3/8	13	2	16.0
3	48		3	3/4	1	19 1/4	10 3/4	17 3/8	7/8	30	2 1/4	4	1 1/4	15	10	1 5/8	1/2	8	9 1/4	9 3/8	12	8	25 5/8	3/8	13	2	16.0
4	48		3	3/4	1	19 1/4	10 3/4	17 3/8	7/8	30	2 1/4	4	1 1/4	15	10	1 5/8	1/2	8	9 1/4	9 3/8	12	8	25 5/8	3/8	13	2	16.0
5	48		3	3/4	1	19 1/4	10 3/4	17 3/8	7/8	30	2 1/4	4	1 1/4	15	10	1 5/8	1/2	8	9 1/4	9 3/8	12	8	25 5/8	3/8	13	2	16.0

STANDARD SIGN
W03-5

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/24/2024 PLATE NO. W03-5.2

PROJECT NO:

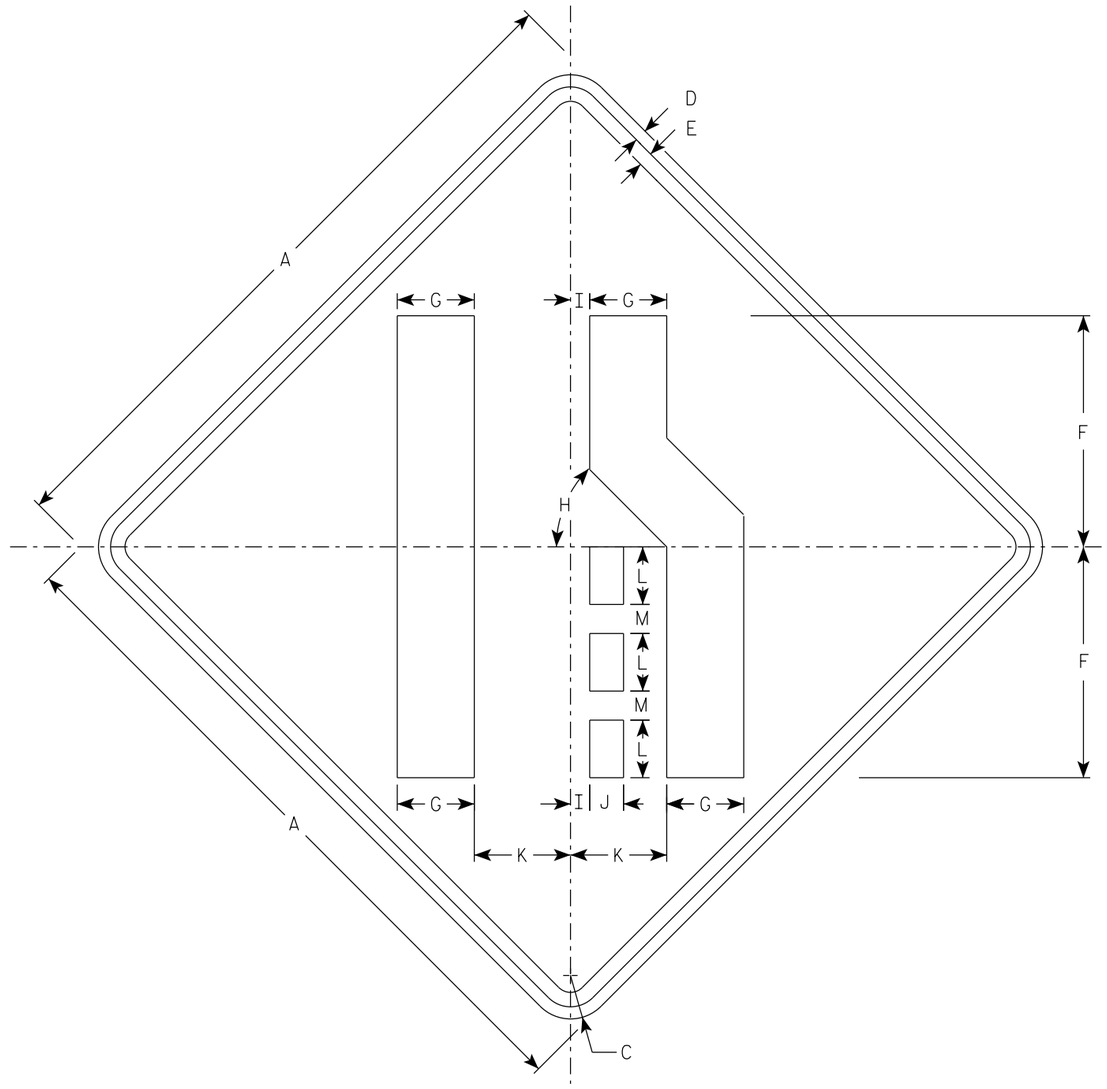
SHEET NO: E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\W035.DGN PLOT DATE : 24-JAN 2024 2:20 PLOT BY : dotc4c

WISDOT/CADDS SHEET 42

7

7



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

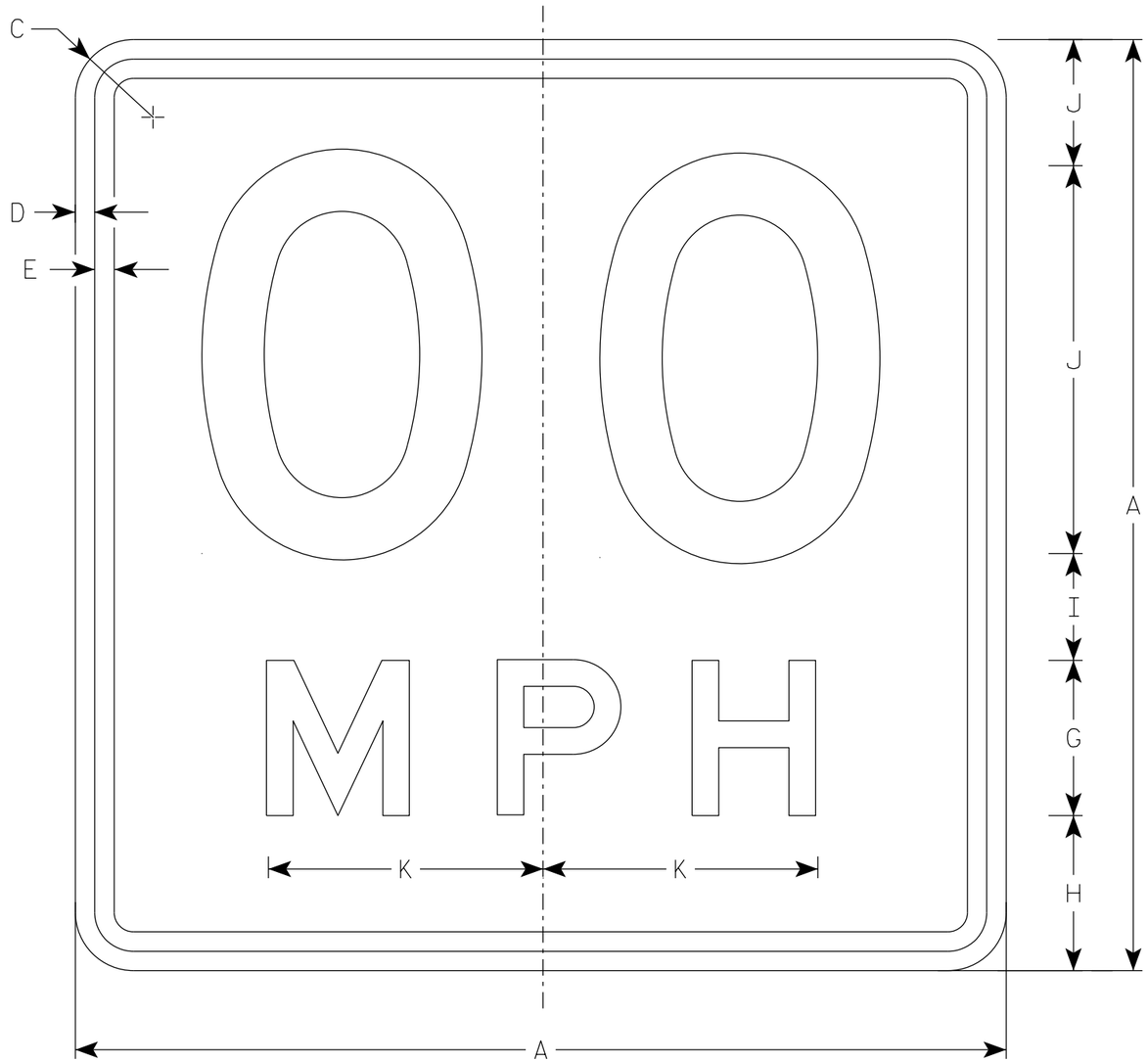
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

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

PROJECT NO:

SHEET NO: 323 E



W013-1

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - See Note 6
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 and optically space about centerline to achieve proper balance.
6. Line 1 is Series D
   Line 2 is Series E

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	10	4	4	2 3/4	3 1/4	7 1/8																4.0
2S	36		2 1/4	5/8	3/4	16	6	5 1/2	4	4 1/2	10 5/8																9.0
2M	36		2 1/4	5/8	3/4	16	6	5 1/2	4	4 1/2	10 5/8																9.0
3	36		2 1/4	5/8	3/4	16	6	5 1/2	4	4 1/2	10 5/8																9.0
4	36		2 1/4	5/8	3/4	16	6	5 1/2	4	4 1/2	10 5/8																9.0
5	36		2 1/4	5/8	3/4	16	6	5 1/2	4	4 1/2	10 5/8																9.0

STANDARD SIGN

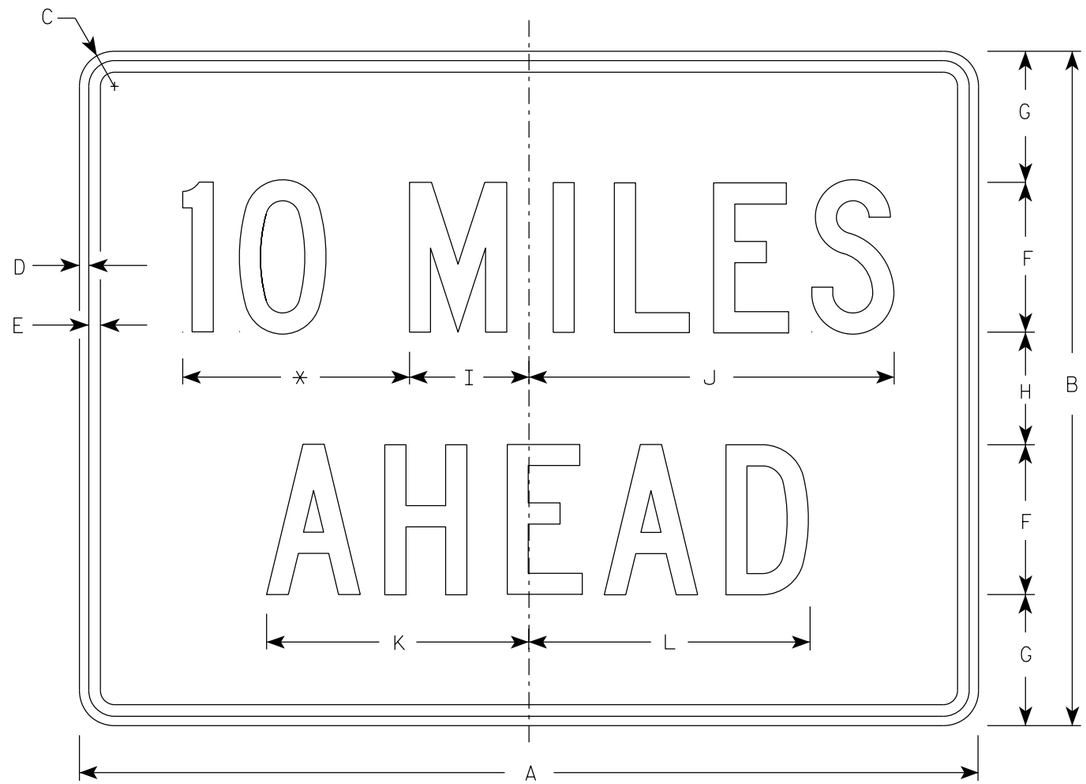
W013-1

WISCONSIN DEPT OF TRANSPORTATION

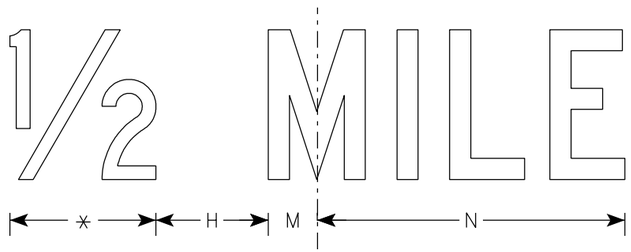
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/1/2024 PLATE NO. W013-1.2

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	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

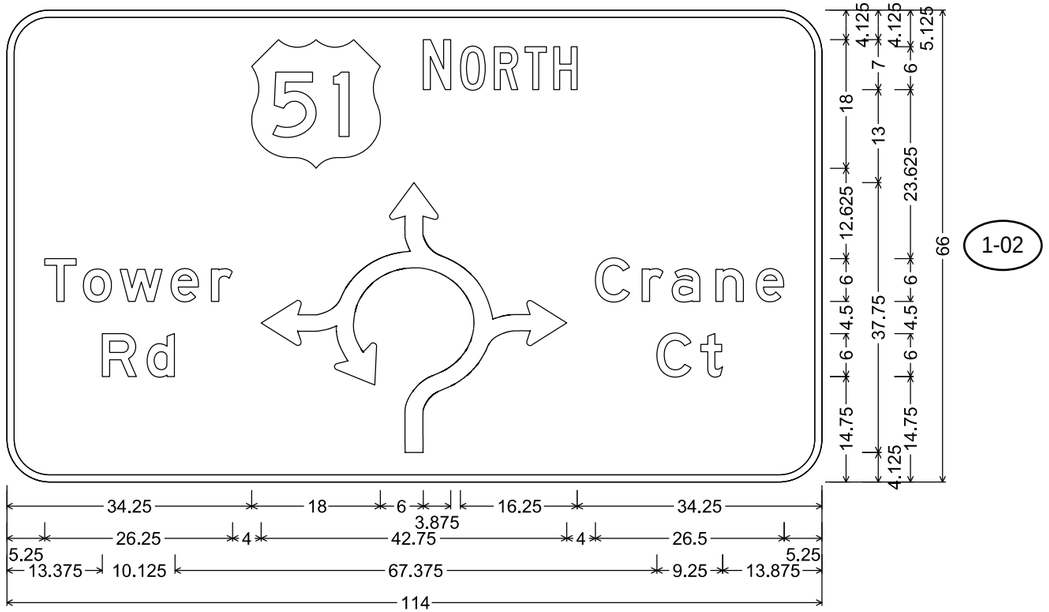
STANDARD SIGN
W057-52

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: 325	E

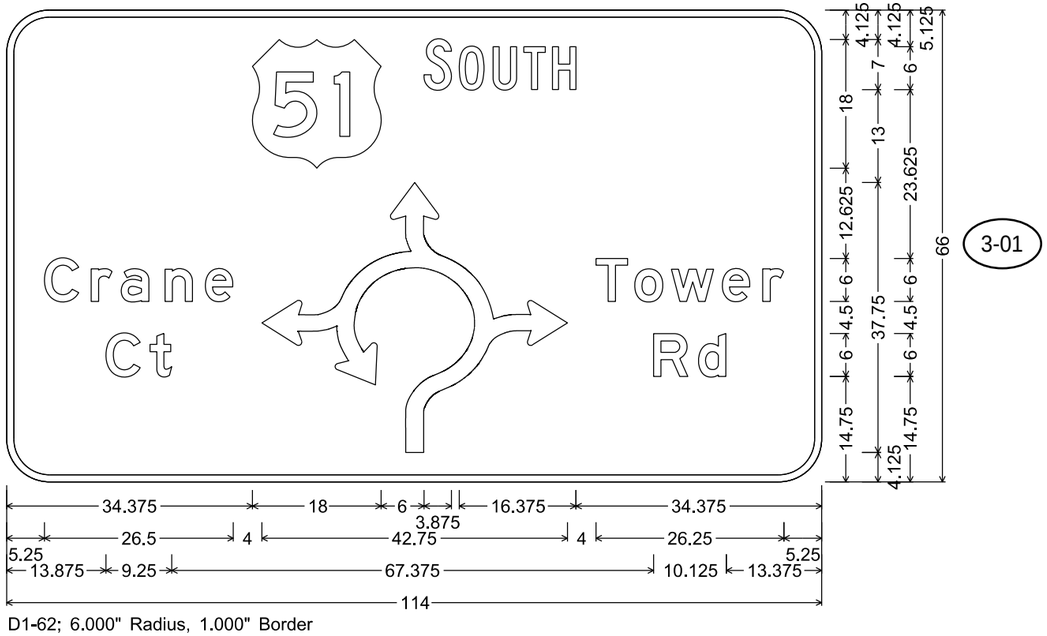


1-02

D1-62; 6.000" Radius, 1.000" Border
"NORTH", C

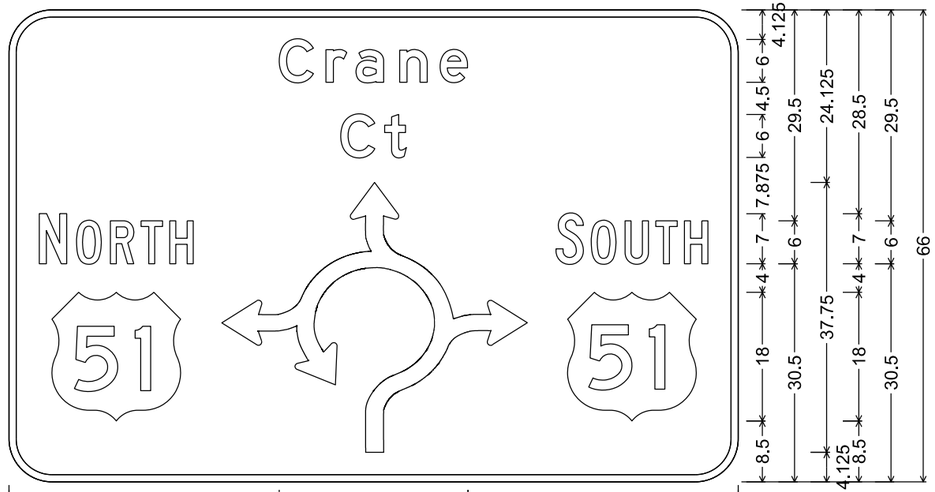
NOTES

1. Signs are Type II - Type H Reflective
2. Color:
   Background - Green
   Message - White
3. Message Series - E or as noted



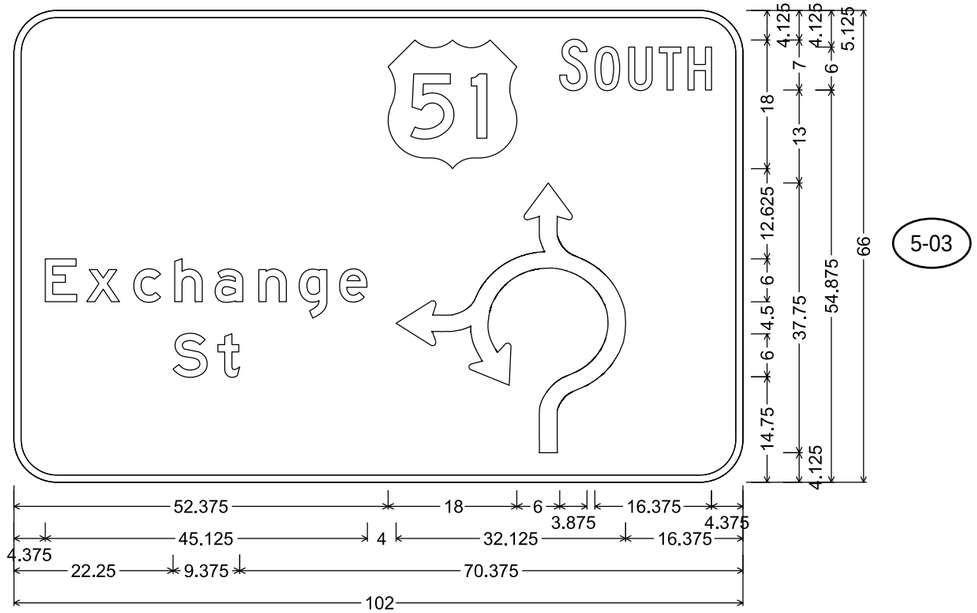
3-01

D1-62; 6.000" Radius, 1.000" Border
"SOUTH", C



6-04

D1-62; 6.000" Radius, 1.000" Border
"NORTH", C; "SOUTH", C

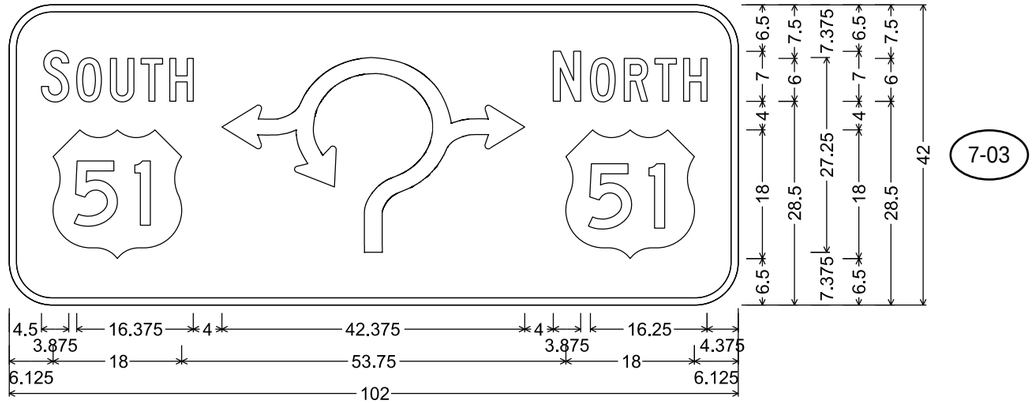


5-03

D1-62; 6.000" Radius, 1.000" Border
"SOUTH", C

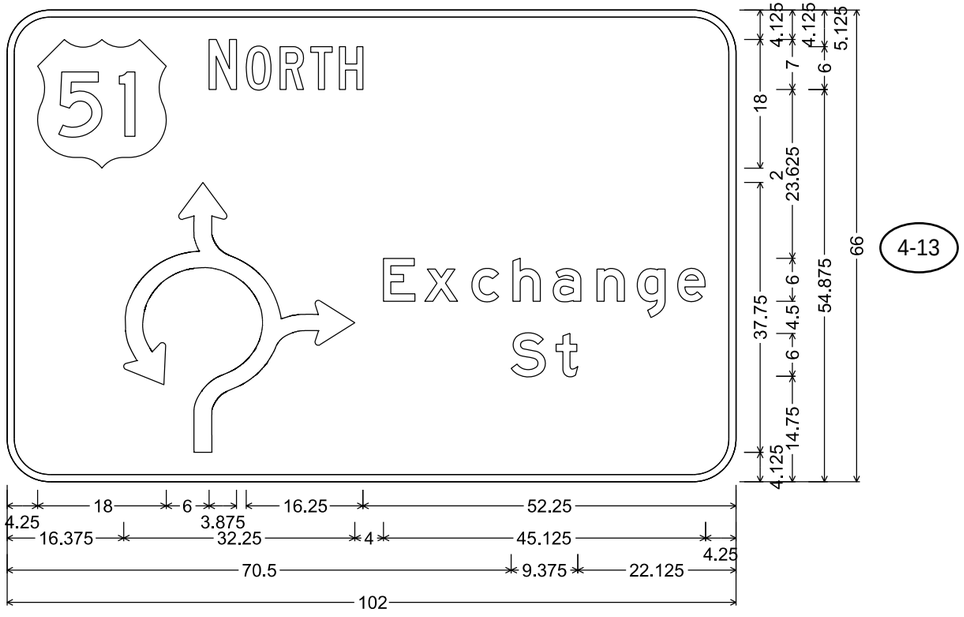
NOTES

1. Signs are Type II - Type H Reflective
2. Color:
   Background - Green
   Message - White
3. Message Series - E or as noted



7-03

D1-62; 6.000" Radius, 1.000" Border
"SOUTH", C; "NORTH", C

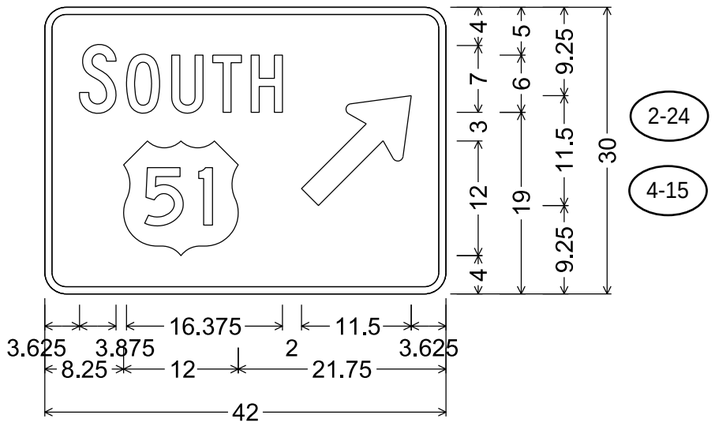


4-13

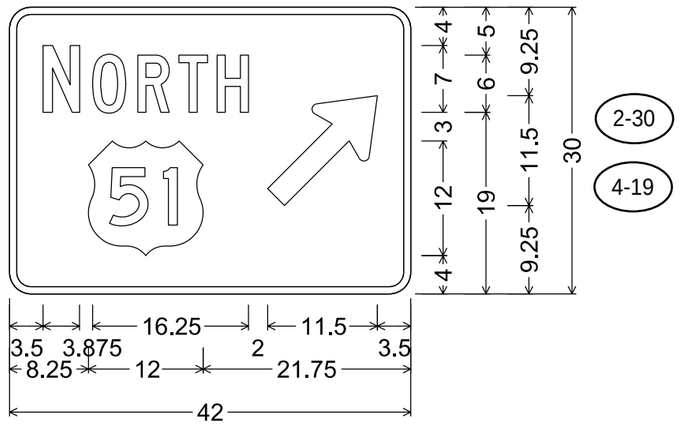
D1-62; 6.000" Radius, 1.000" Border
"NORTH", C

7

7



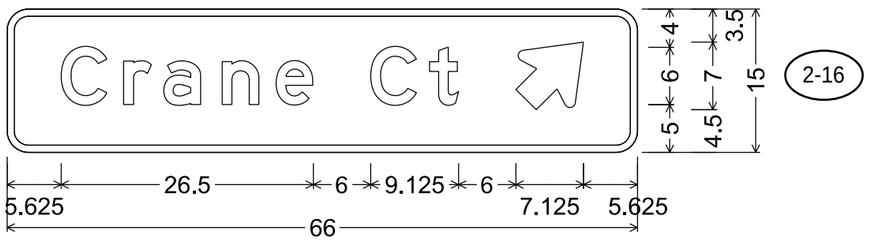
D1-67; 2.250" Radius, 0.750" Border
"SOUTH", C



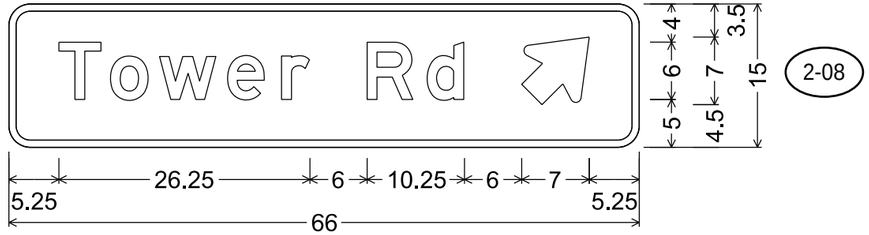
D1-67; 2.250" Radius, 0.750" Border
"NORTH", C

NOTES

1. Signs are Type II - Type H Reflective
2. Color:
   Background - Green
   Message - White
3. Message Series - E or as noted



D1-1; 2.250" Radius, 0.750" Border

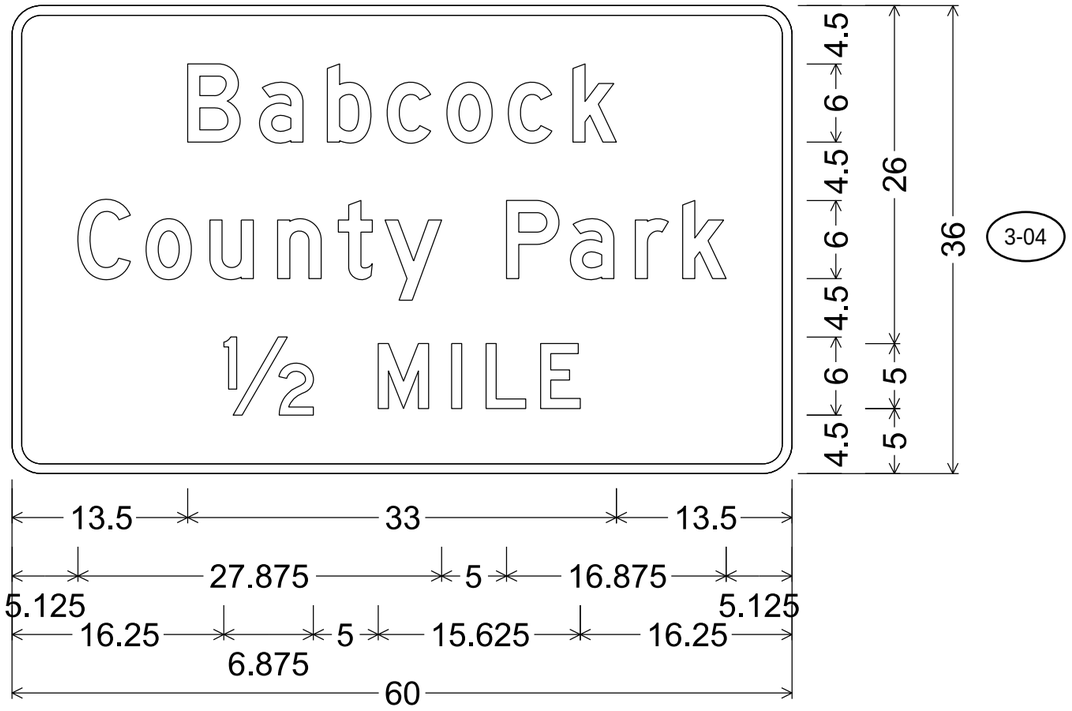


D1-1; 2.250" Radius, 0.750" Border

D1-1; 2.250" Radius, 0.750" Border

NOTES

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



3-04

D7-67; 2.250" Radius, 0.750" Border

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 CONFRIM 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), DANE COUNTY ZONE, NAD 83 (2011). ALL STATIONS AND ELEVATIONS ARE IN FEET. ELEVATIONS ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM NAVD 88 (2012).

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 (DIA.)".

STRUCTURE DATA

STRUCTURE ID	SIGN AREA	SIGN DEPTH	FOUNDATION TYPE	TRUSS TYPE
S-13-0605	28 SF	4'-0"	TYPE MC-III	MC-III
S-13-0606	28 SF	4'-0"	TYPE MC-III	MC-III
S-13-0607	28 SF	4'-0"	TYPE MC-III	MC-III
S-13-0608	28 SF	4-0"	TYPE MC-III	MC-III

LIST OF DRAWINGS:

1. GENERAL NOTES & DESIGN DATA
2. LAYOUT S-13-0605
3. LAYOUT S-13-0606
4. LAYOUT S-13-0607
5. LAYOUT S-13-0608

LIST OF STANDARD DESIGN DRAWINGS

6. I. MONOTUBE & 2-CHORD TRUSS CONNECTIONS 1
7. II. MONOTUBE & 2-CHORD TRUSS CONNECTIONS 2
8. III. MONOTUBE & 2-CHORD TRUSS ELECTRICAL DETAILS
9. IV. MONOTUBE & 2-CHORD TRUSS FOUNDATIONS

STATE PROJECT NUMBER

5845-16-84

TRAFFIC VOLUME

A.D.T. (2046) = 15,300
R.D.S. = 45 MPH

TOTAL ESTIMATED QUANTITES

BID ITEM NO.	BID ITEM	UNIT	S-13-0605	S-13-0606	S-13-0607	S-13-0608
531.2042	DRILLING SHAFT 42-INCH	LF	18	18	18	18
531.5130	FOUNDATION SINGLE-SHAFT TYPE MC-III	EA	1	1	1	1
532.5130	MONOTUBE CANTILEVER TYPE MC-III	EA	1	1	1	1

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
KENNETH M. SWANSON
E - 40476
MADISON
WI
PROFESSIONAL ENGINEER
5-29-2025

STRUCTURE DESIGN CONTACTS:

AARON BONK 608-261-0261
DEVEN HABERKORN 608-251-4843

NO.	DATE	REVISION	BY

STRAND ASSOCIATES®
910 WEST WINGRA DRIVE
MADISON, WISCONSIN 53715
(608) 251-4843
(608) 251-8655 FAX
WWW.STRAND.COM

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORATION

ACCEPTED JLR 08/25/25
CHIEF STRUCTURES DESIGN ENGINEER DATE

MONOTUBE & 2-CHORD

LOCATION DESCRIPTION

COUNTY	TOWN
DANE	DUNN

DESIGN SPEC.
AASHTO LRFD BRIDGE DESIGN SPECIFICATION

DESIGNED BY	DESIGNED CK'D	DRAWN BY	PLANS CK'D
DAH	BMO	DAH	BMO

GENERAL NOTES & DESIGN DATA

SHEET 1 OF 9
330

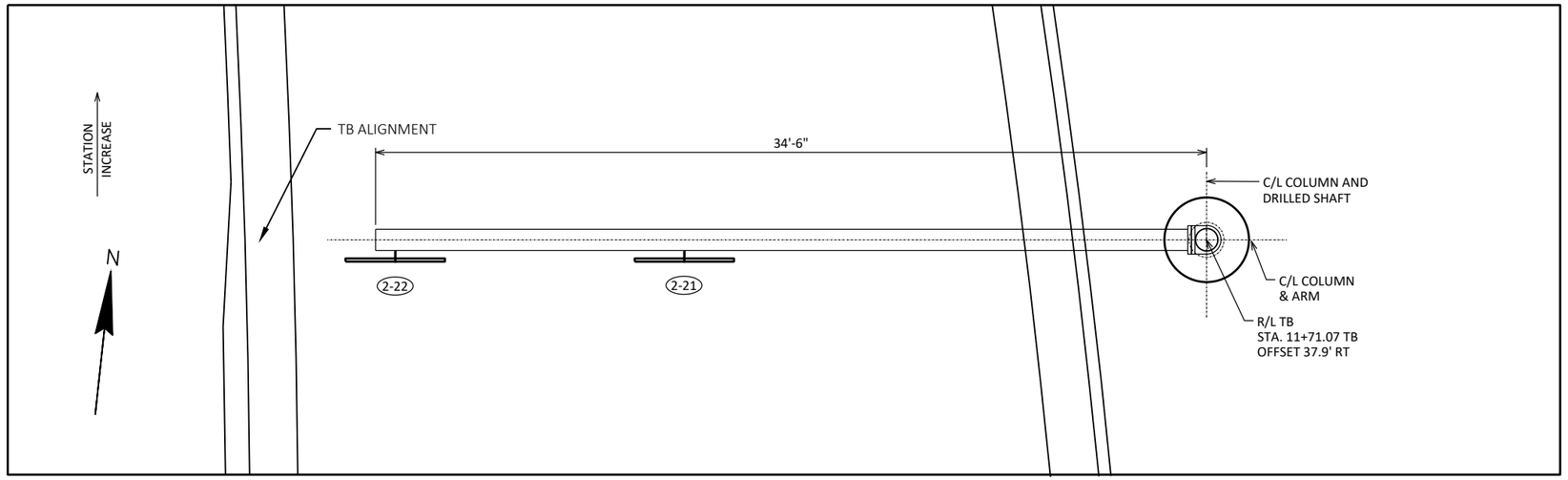
SCALE =
I.D.
DATE:

8

8

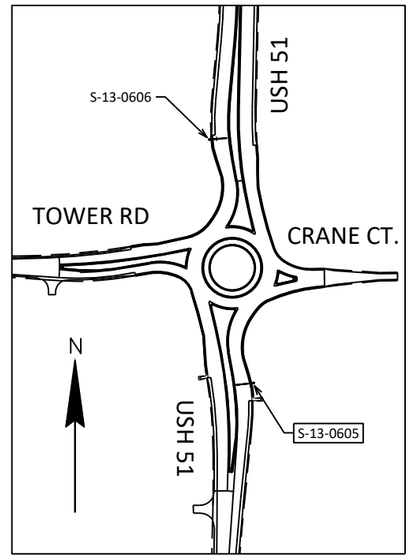
STATE PROJECT NUMBER

5845-16-84

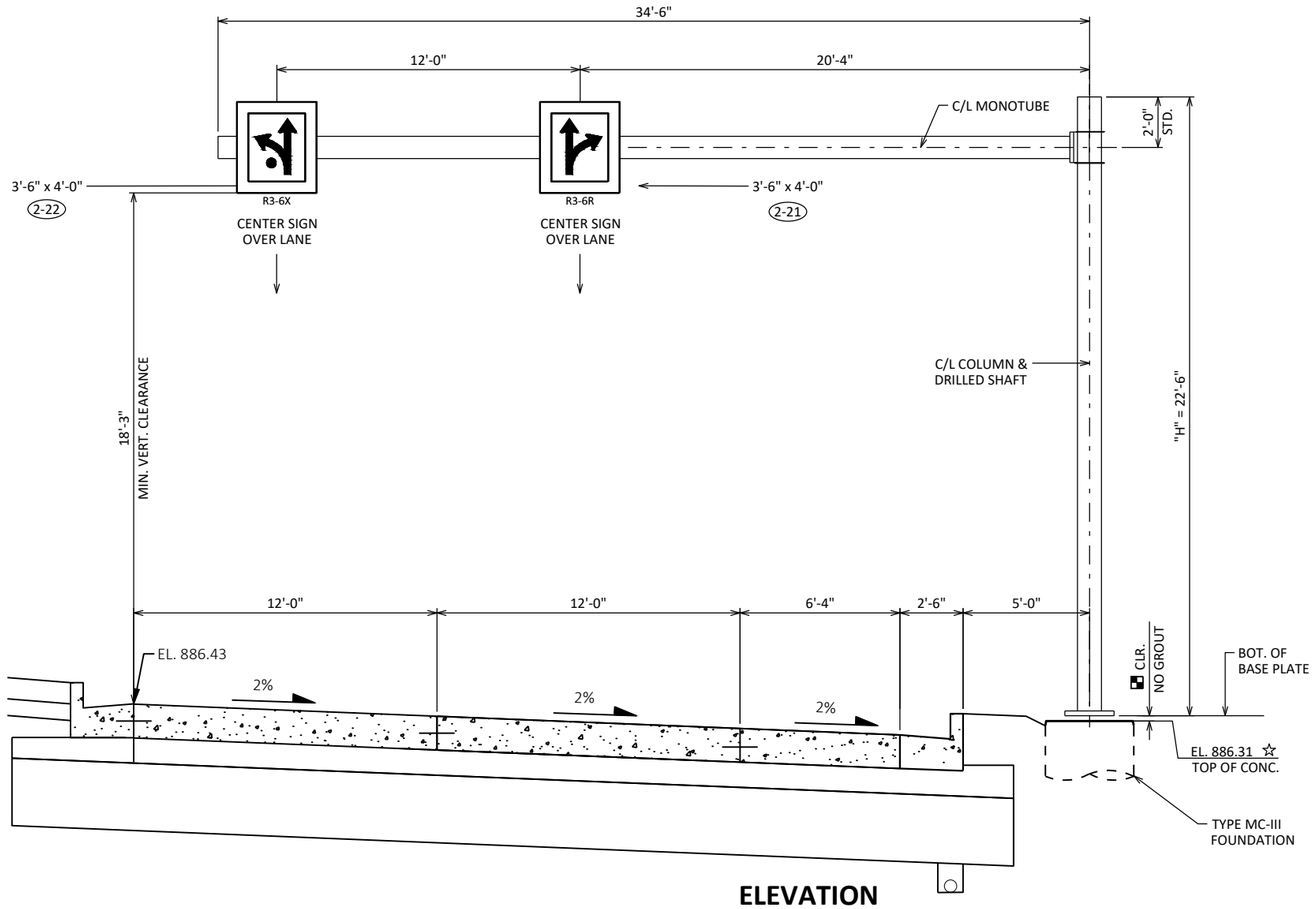


PLAN

STA. 11+71.07 TB
250 FT S OF TOWER RD.



LOCATION MAP



ELEVATION

LOOKING UPSTATION AT F.F. OF SIGN

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-13-0605

DRAWN BY DAH | PLANS CK'D BMO

LAYOUT

SHEET 2 OF 9

331

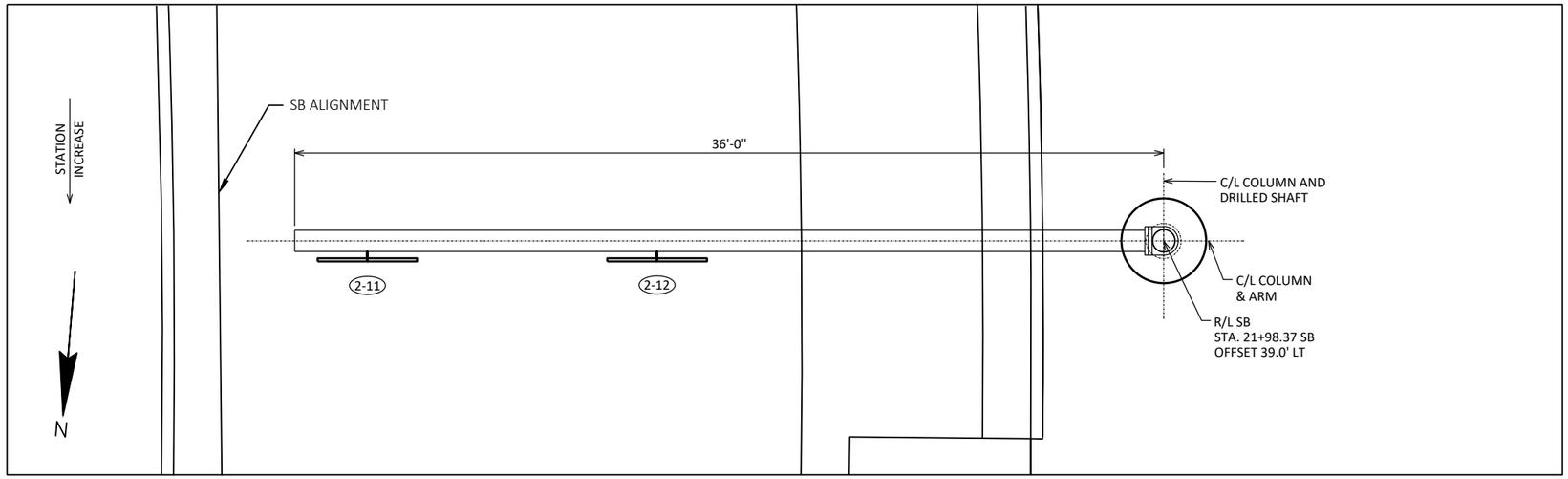
SCALE =

8

8

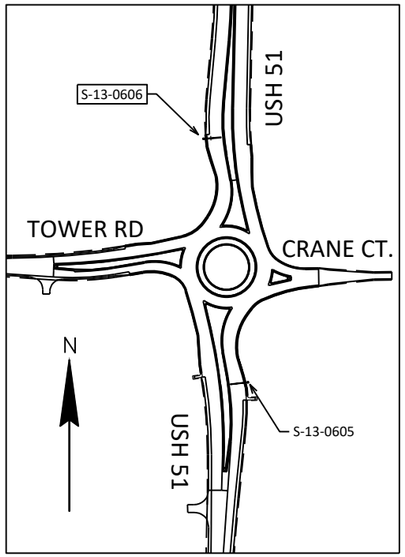
STATE PROJECT NUMBER

5845-16-84

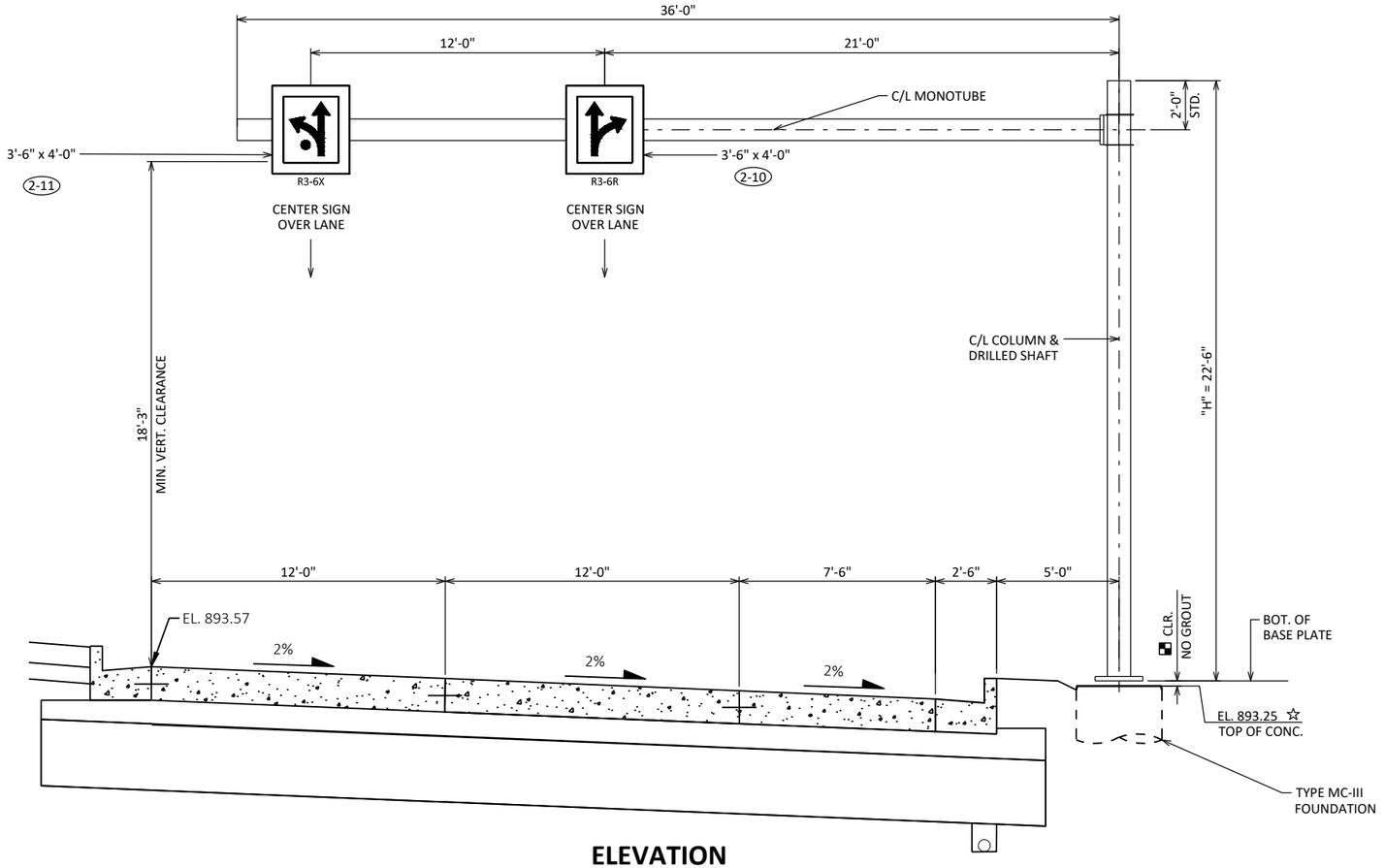


PLAN

STA. 21+98.37 SB (USH 51 SB)
275 FT N OF TOWER RD.



LOCATION MAP



ELEVATION

LOOKING DOWNSTATION AT F.F. OF SIGN

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-13-0606

DRAWN BY	DAH	PLANS CK'D	BMO

LAYOUT

SHEET 3 OF 9

332

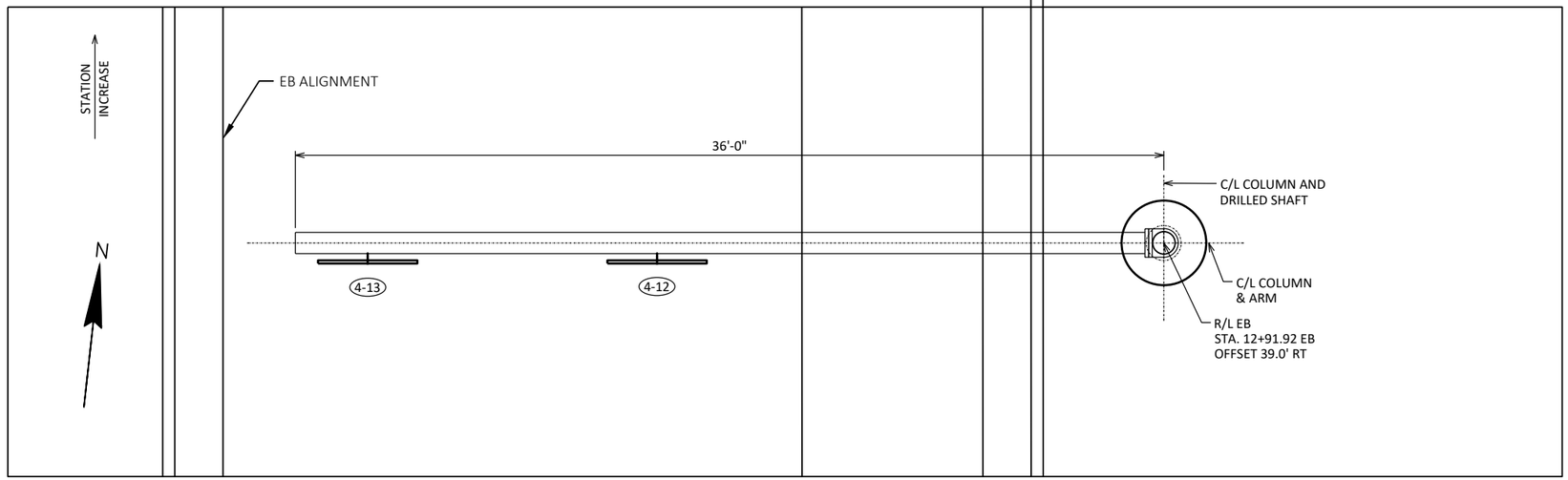
SCALE =

8

8

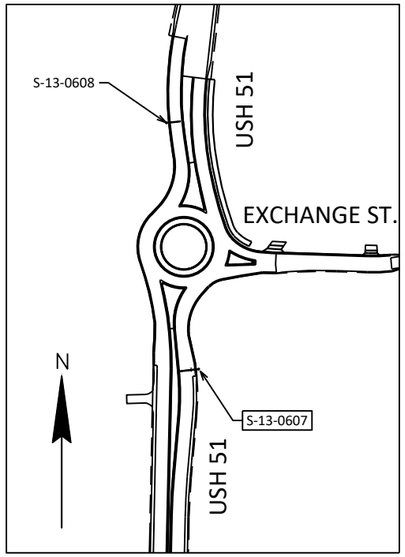
STATE PROJECT NUMBER

5845-16-84

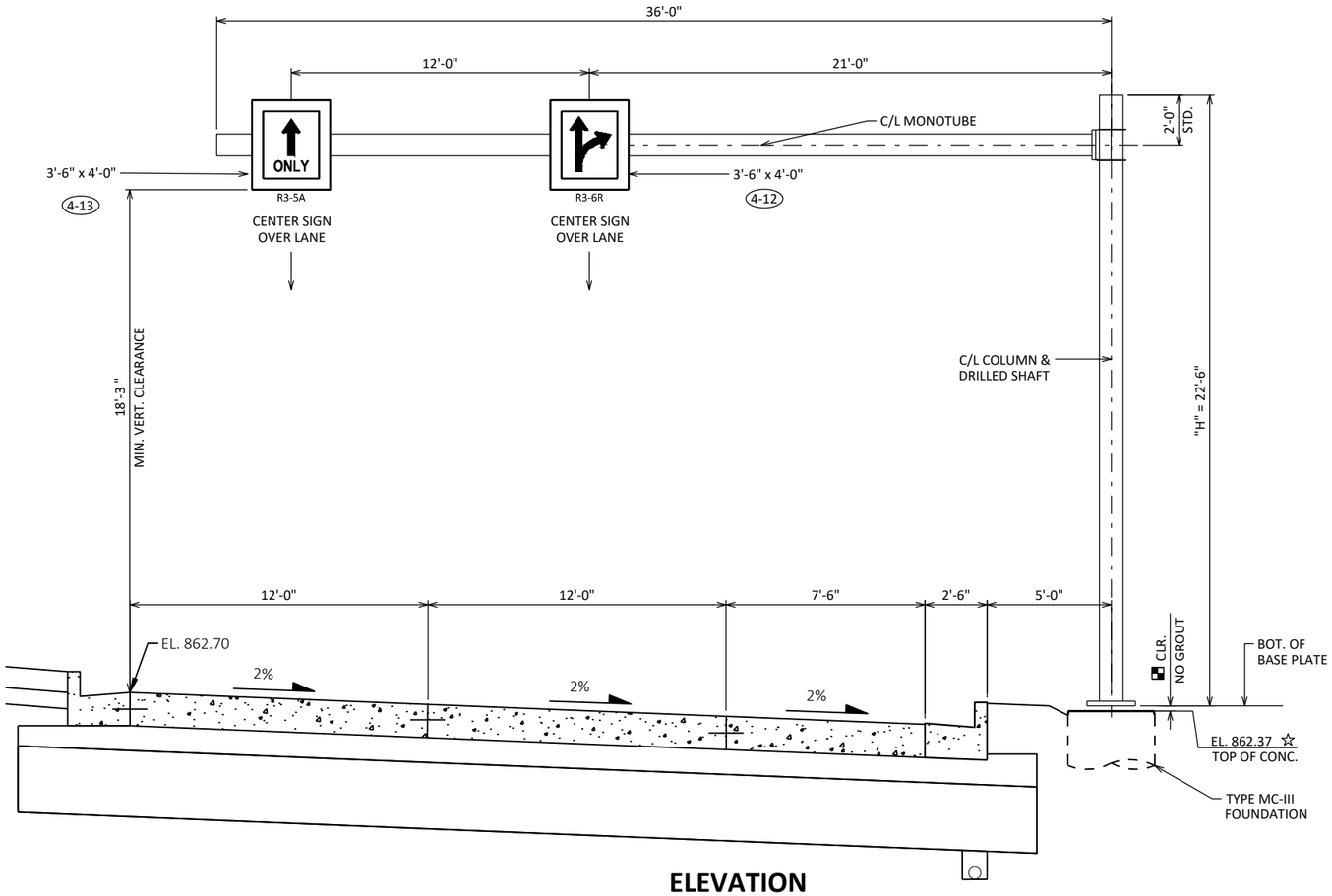


PLAN

STA. 12+91.92 EB
300 FT S OF EXCHANGE ST.



LOCATION MAP



ELEVATION

LOOKING UPSTATION AT F.F. OF SIGN

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-13-0607

DRAWN BY DAH | PLANS CK'D BMO

LAYOUT

SHEET 4 OF 9

333

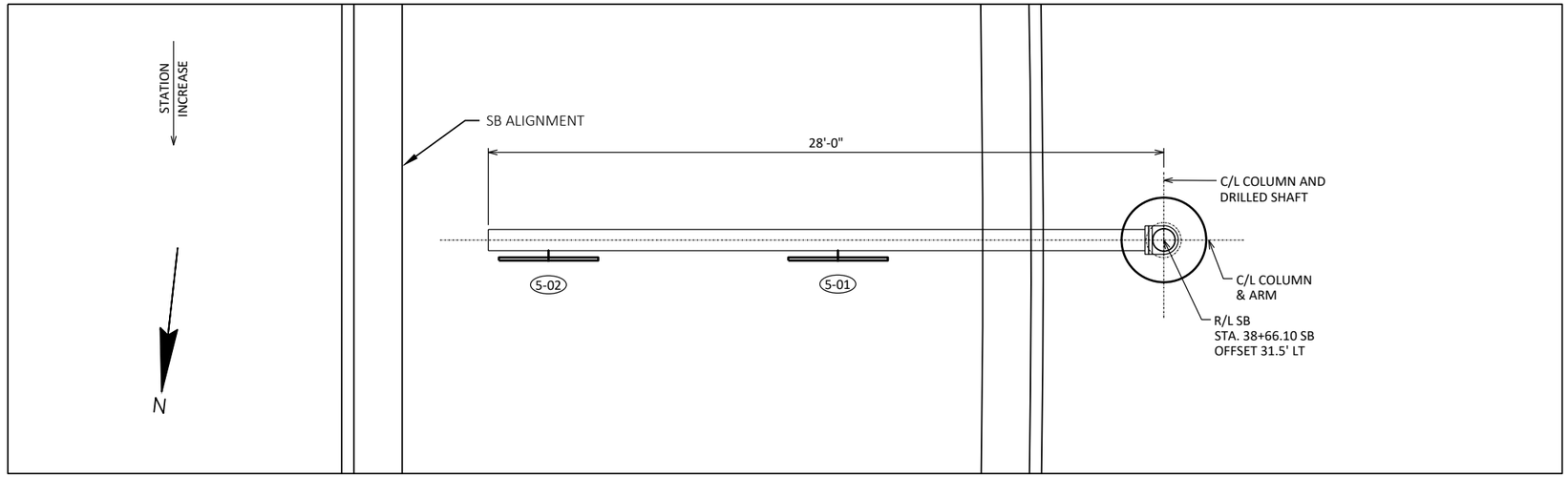
SCALE =

8

8

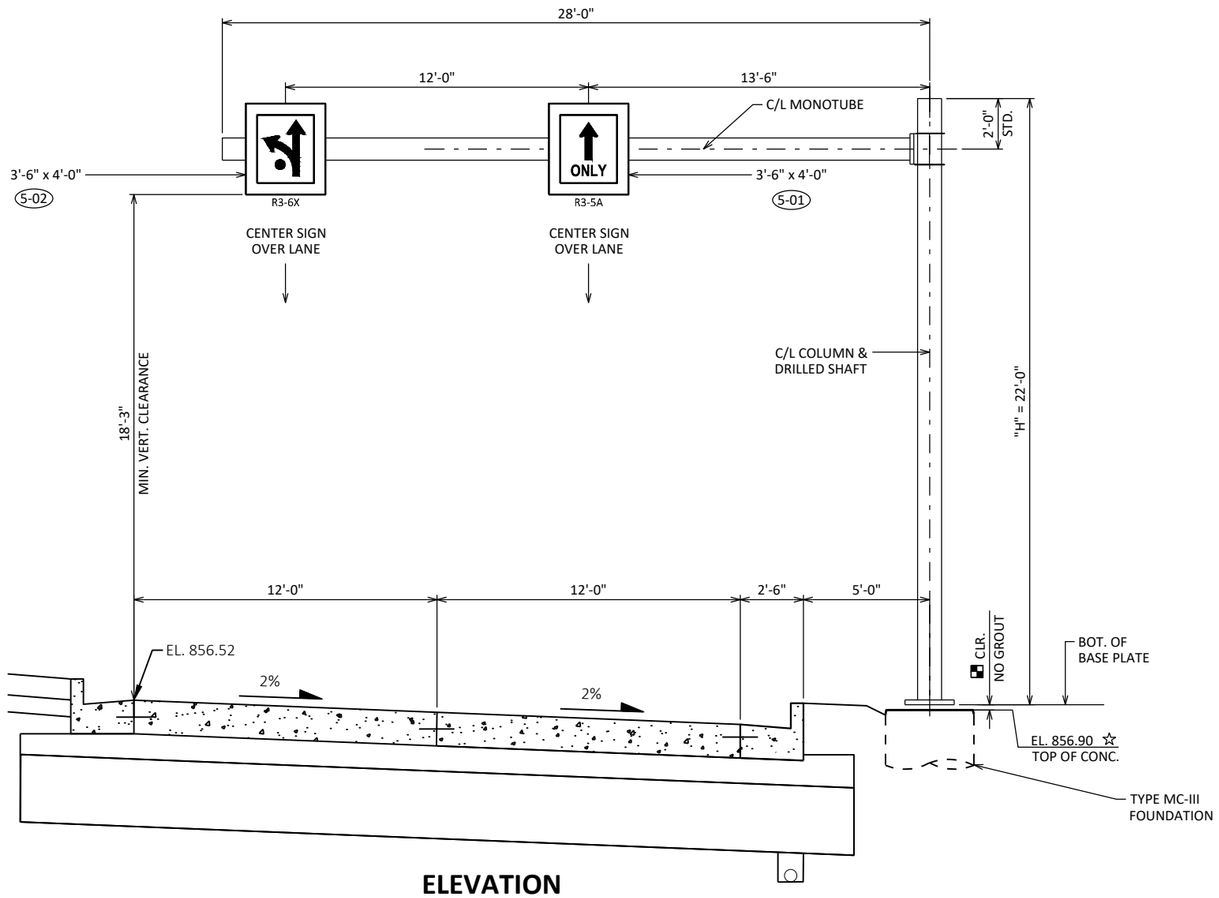
STATE PROJECT NUMBER

5845-16-84



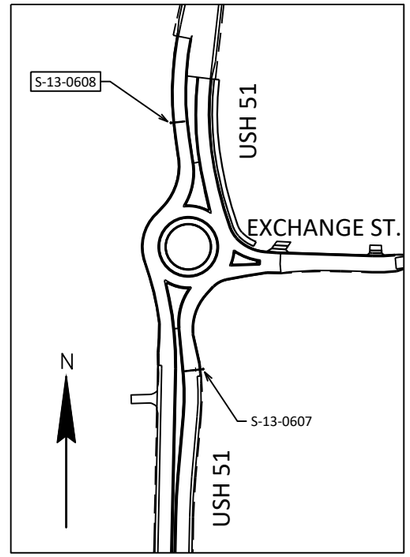
PLAN

STA. 38+66.10 SB (USH 51 SB)
300 FT N OF EXCHANGE ST.



ELEVATION

LOOKING DOWNSTATION AT F.F. OF SIGN



LOCATION MAP

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-13-0608

DRAWN BY DAH | PLANS CK'D BMO

LAYOUT

SHEET 5 OF 9

334

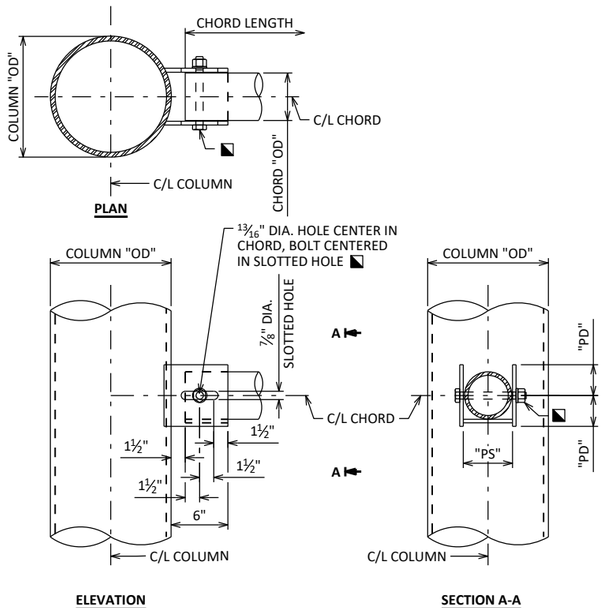
SCALE =

8

8

STATE PROJECT NUMBER

STANDARD



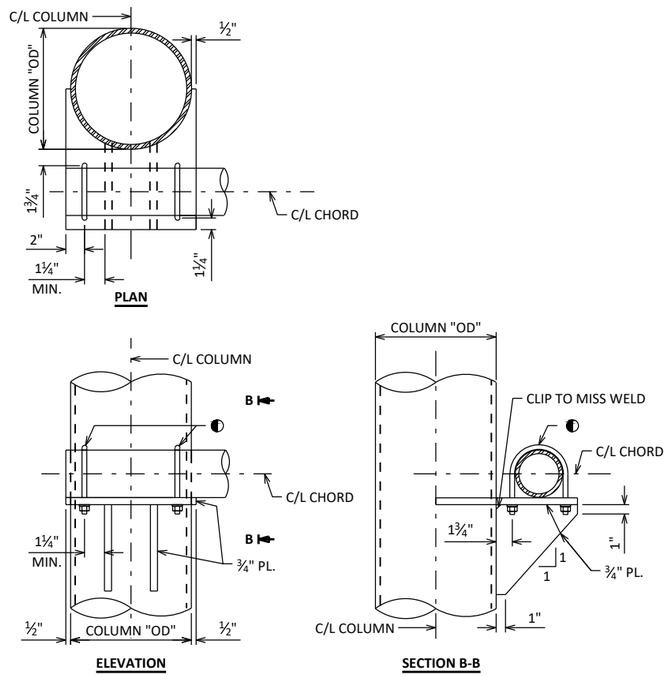
FULL SPAN SADDLE CONNECTION

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"

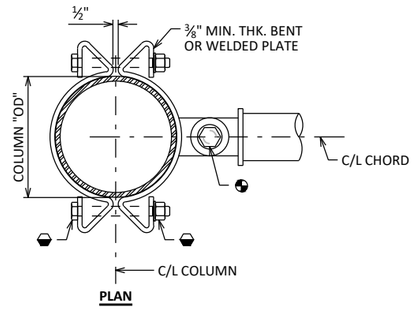
"PS" = CHORD "OD" + 1/16"

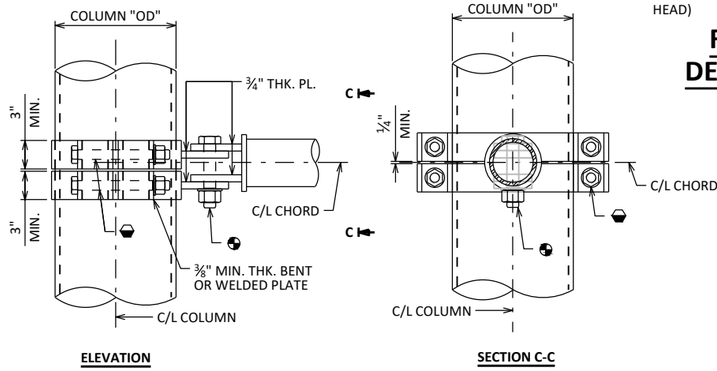


FULL SPAN STIFFENED BEARING CONNECTION

ALTERNATE 1

MIN. (2) ½" MIN. GALVANIZED OR STAINLESS U-BOLT, LOCK NUT AND WASHER



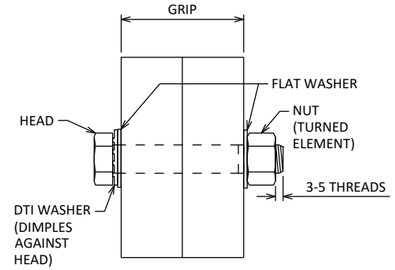


FULL SPAN CLAMP CONNECTION

ALTERNATE 2 - TAPERED COLUMNS ONLY

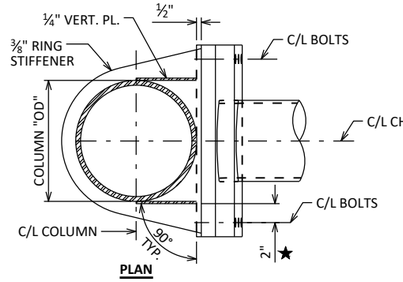
1¼" GALVANIZED A325 HEAVY HEX BOLT, NUT AND WASHER

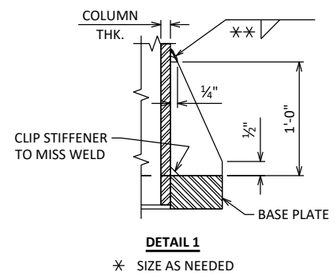
1" GALVANIZED A325 HEAVY HEX BOLT, NUT AND WASHER

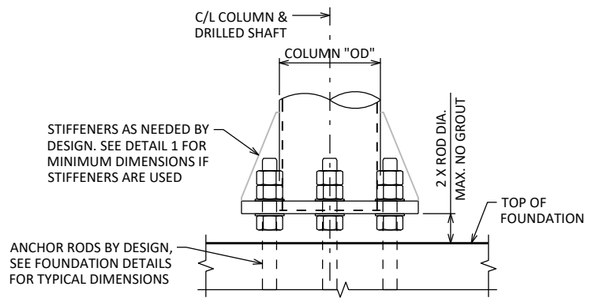


RECOMMENDED BOLT DETAIL WITH DTI WASHER

NUT IS TURNED ELEMENT



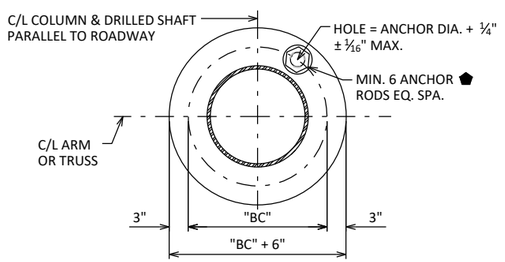




PREFERRED BASE PLATE CONNECTION

LOOKING AT F.F. OF STRUCTURE.

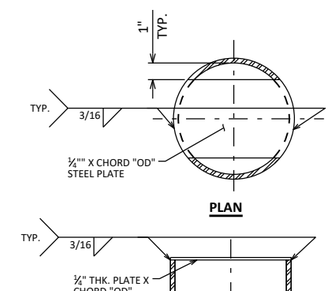
ALTERNATE BASE PLATE DESIGNS ALLOWED.



BASE PLATE

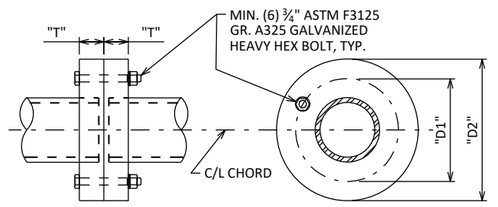
"BC" = COLUMN "OD" + 6"

⬟ ANCHOR SIZE AND ORIENTATION TO BE VERIFIED WITH SHOP DRAWINGS.



CHORD CAP DETAIL

CANTILEVERS ONLY



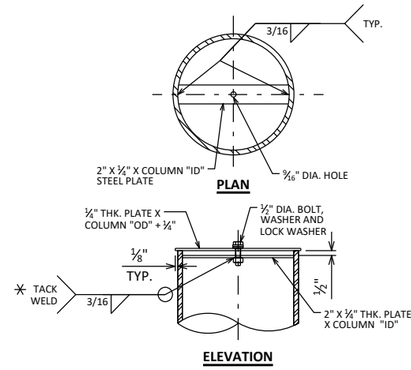
CHORD SPLICE DETAIL

"D1" = COLUMN "OD" + (1.5 x DB)

"D2" = COLUMN "OD" + (3 x DB)

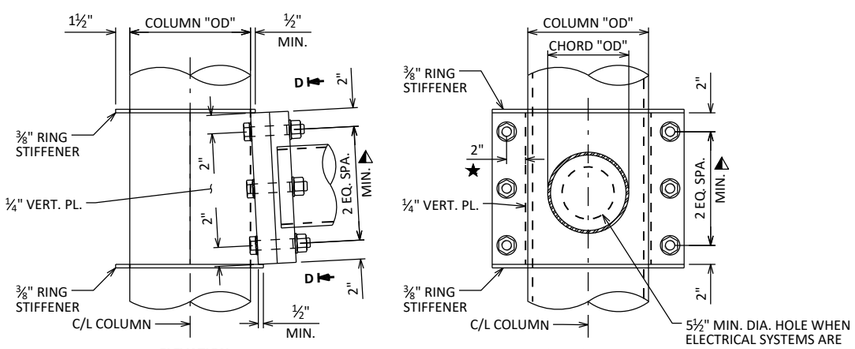
"T" = (BY DESIGN)

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.



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.

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: BOS

MONOTUBE & 2-CHORD TRUSS CONNECTIONS 1

SHEET 1 — 335

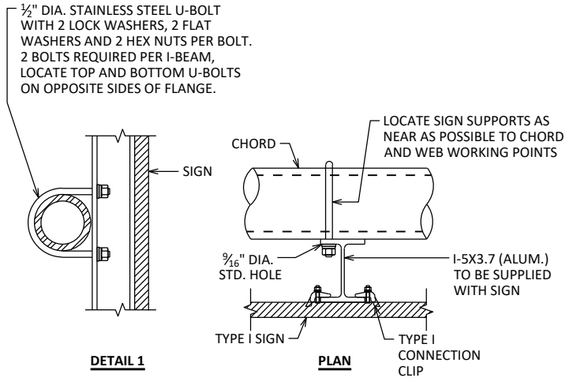
SCALE = 2.0

8

8

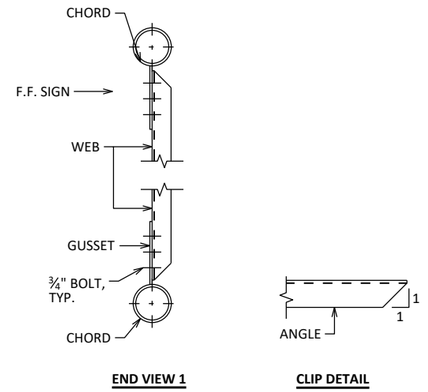
STATE PROJECT NUMBER

STANDARD



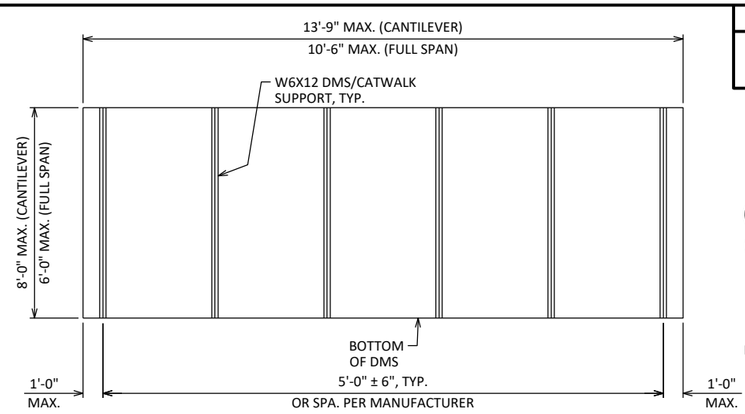
2-CHORD TRUSS SIGN CONNECTION

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.



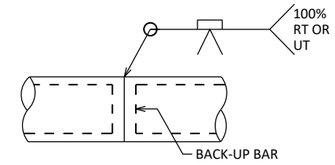
TRUSS CONNECTION DETAILS

MEMBER ORIENTATION FOR BOLTED CONNECTIONS SHOWN, WELDED CONNECTIONS SIMILAR.
ANGLES PREFERRED, OTHER WEB DESIGNS ALLOWED.



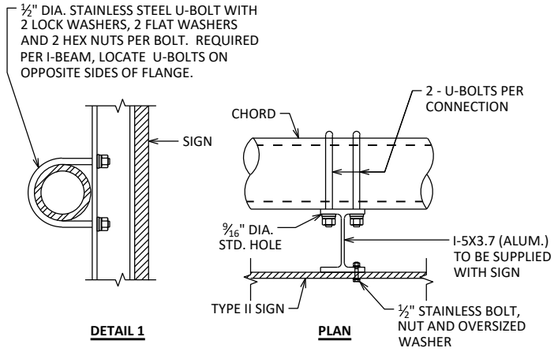
DMS MOUNTING POST DETAIL

POST SPACING MAY BE ADJUSTED AS REQUIRED IF SPACING CONFLICTS WITH GUSSET PLATES OF TRUSS WITHIN TOLERANCES NOTED.



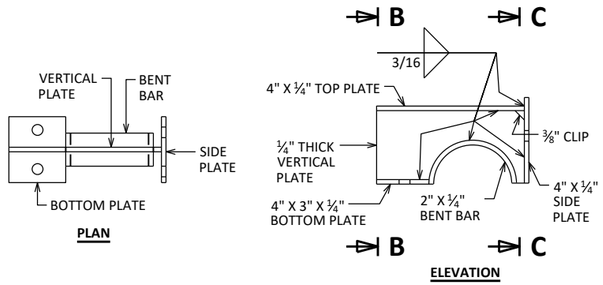
CHORD SPLICE

SEPARATE OPTIONAL SPLICE FROM GUSSET PLATES BY 6" MIN.

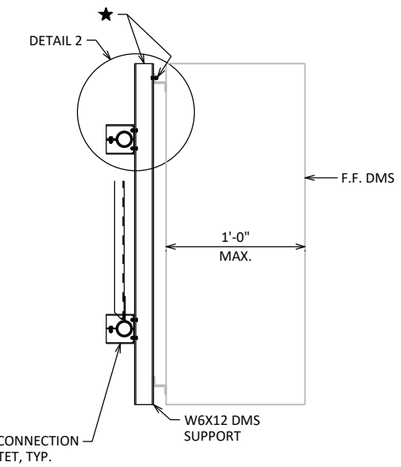


MONOTUBE SIGN CONNECTION

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

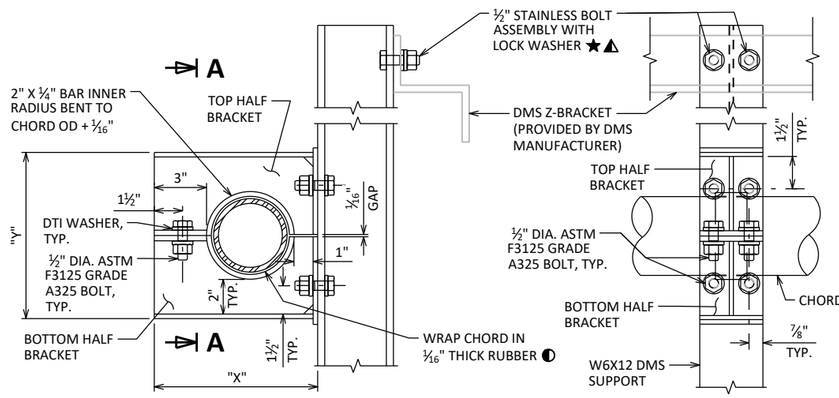


SECTION THRU TRUSS - DMS

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

TOP HALF OF BRACKET SHOWN, BOTTOM HALF SIMILAR.

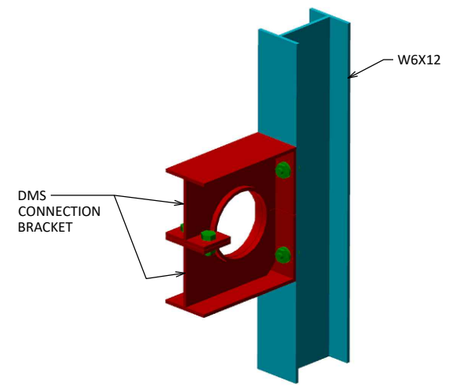


CHORD "OD"	"X"	"Y"
"OD"	"OD" + $4\frac{13}{16}$"	"OD" + $5\frac{5}{16}$"

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: OCT. 2023

DRAWN BY BOS | PLANS CK'D BOS

MONOTUBE & 2-CHORD TRUSS CONNECTIONS 2

SHEET II
336

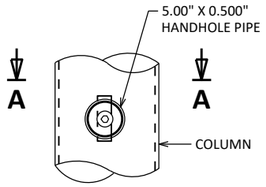
SCALE = 4.0

8

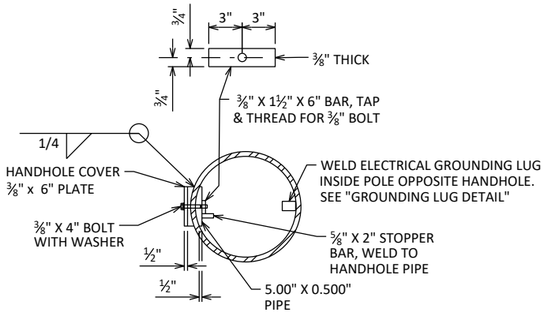
8

STATE PROJECT NUMBER

STANDARD



ELEVATION

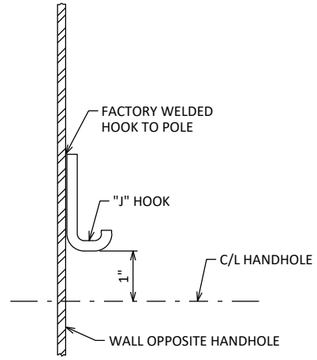


SECTION A-A

HANDHOLE DETAILS

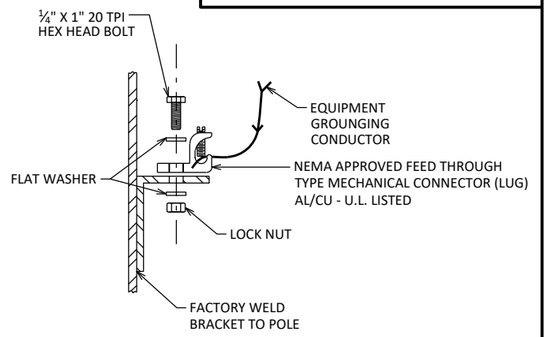
HANDHOLES SHALL BE LOCATED IN ONE COLUMN OF THE SIGN BRIDGE STRUCTURE IF ELECTRICALLY OPERATED DEVICES ARE INSTALLED ON/IN THE STRUCTURE. COLUMNS WITH HANDHOLES SHALL BE NEAR THE ELECTRICAL SERVICE. THE CONTRACTOR SHALL VERIFY THE LOCATION OF THE ELECTRICAL SERVICE ENTRANCE WITH THE REGION TRAFFIC SECTION 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.



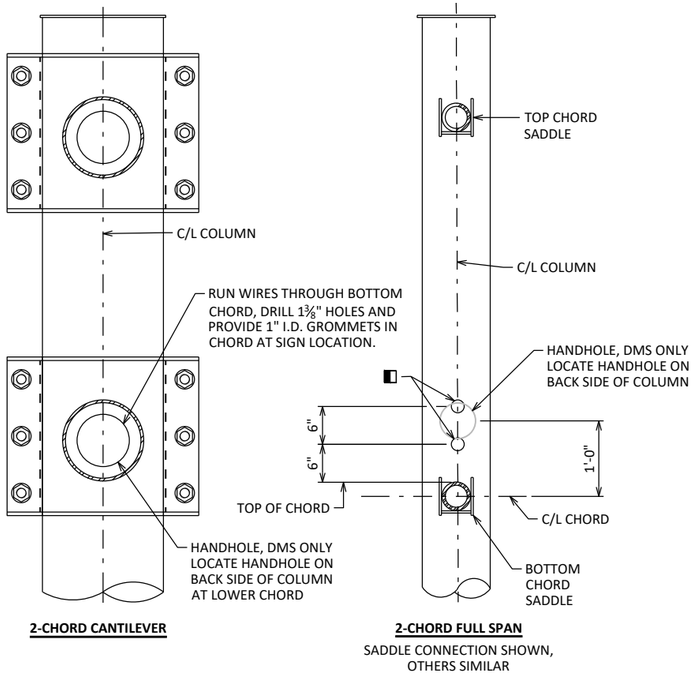
TYPICAL "J" HOOK LOCATION

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



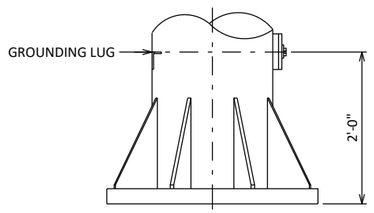
2-CHORD CANTILEVER

2-CHORD FULL SPAN

SADDLE CONNECTION SHOWN, OTHERS SIMILAR

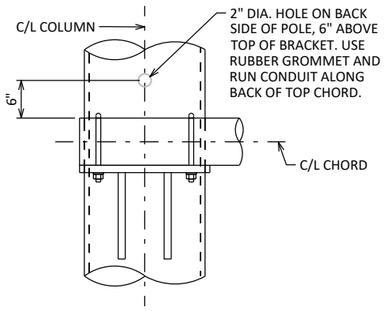
CONDUIT HOLE LOCATIONS

◧ 2" HOLE WITH STANDARD PIPE THREADS, USE THREADED CONDUIT PLUG FOR UNUSED HOLES

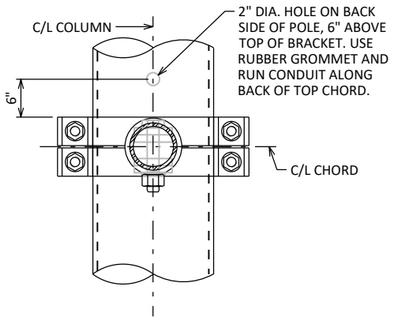


GROUNDING LUG LOCATION

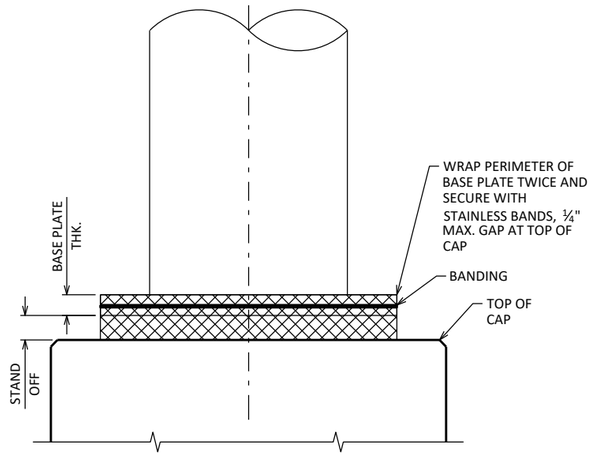
LOOKING AT THE F.F. OF STRUCTURE



FULL SPAN STIFFENED BEARING CONNECTION

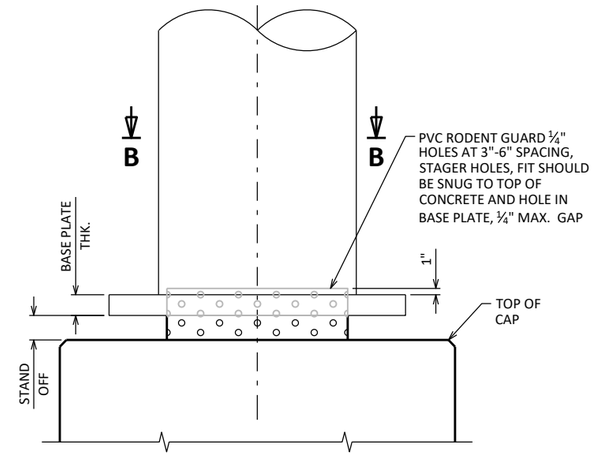


FULL SPAN CLAMP CONNECTION



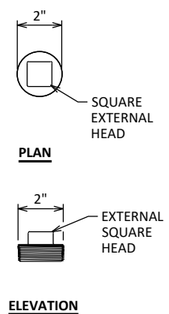
RODENT SCREEN

ONLY REQ'D WHEN ELECTRICAL DEVICES ARE PRESENT
ANCHOR RODS NOT SHOWN

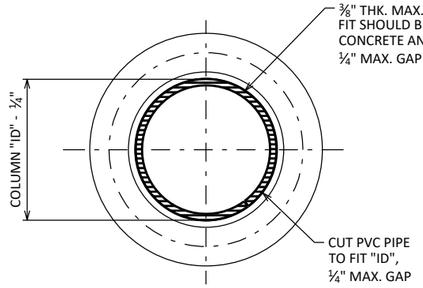


RODENT SCREEN - ALTERNATE

ONLY REQ'D WHEN ELECTRICAL DEVICES ARE PRESENT
ANCHOR RODS NOT SHOWN



CONDUIT PLUG DETAILS



SECTION B-B

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

UPDATED: OCT. 2024

DRAWN BY BOS | PLANS CK'D BOS

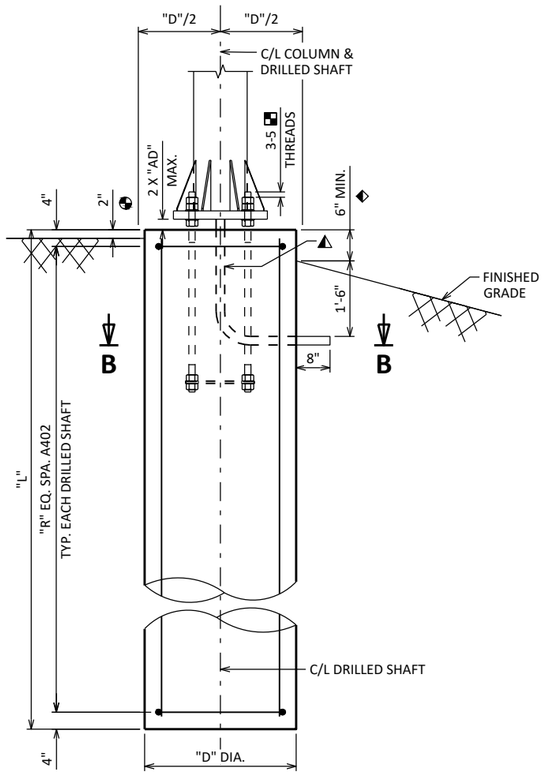
MONOTUBE & 2-CHORD TRUSS ELECTRICAL DETAILS

SHEET III
337

SCALE = 2.0

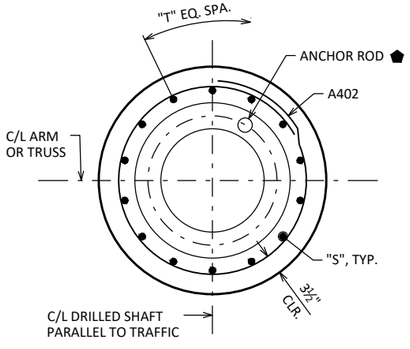
8

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

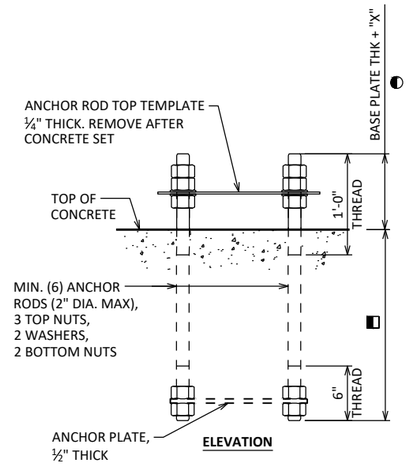
FOUNDATION DIMENSION DATA

STANDARD DESIGN TYPE	FOUNDATION DIMENSIONS						
	"A"	"D"	"L"	"R"	"S"	"T"	"BC" MAX.
MFI	1'-11"	2'-6"	12'-0"	12	A801	10	1'-5"
MCI/MCII/TFI	1'-11"	2'-6"	17'-0"	17	A801	10	1'-5"
MFII	2'-5"	3'-0"	13'-0"	13	A801	14	1'-10"
TCI	2'-5"	3'-0"	18'-0"	18	A801	14	1'-10"
TFII	2'-5"	3'-0"	20'-0"	20	A801	14	1'-10"
MCIII/TCII/TFIII	2'-11"	3'-6"	18'-0"	18	A901	14	2'-4"
MCIV/TFIV	2'-11"	3'-6"	23'-0"	23	A901	14	2'-4"
TCIII	3'-5"	4'-0"	23'-0"	23	A1001	14	2'-10"
TCIV	3'-5"	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)	30"	36"	42"	48"
MFI	2.2	380	12	---	---	---
MCI/MCII/TFI	3.1	540	17	---	---	---
MFII	3.4	560	---	13	---	---
TCI	4.7	780	---	18	---	---
TFII	5.2	870	---	20	---	---
MCIII/TCII/TFIII	6.4	980	---	---	18	---
MCIV/TFIV	8.2	1,250	---	---	23	---
TCIII	10.7	1,570	---	---	---	23
TCIV	13.0	1,910	---	---	---	28

✶✶ QUANTITIES ARE FOR INFORMATION ONLY AND ARE BASED ON A SINGLE DRILLED SHAFT. MULTIPLY BY 2 FOR FULL SPAN STRUCTURES.



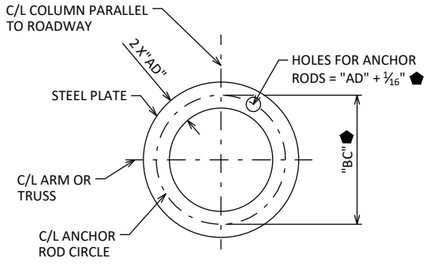
ANCHOR ROD ASSEMBLY DETAILS

◧ 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.

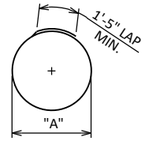
ANCHOR DIAMETER "AD"	MAX. STICK OUT ◐
	"X"
1"	5"
1¼"	6"
1½"	7"
1¾"	8"
2"	9"

◐ 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, BOLT CIRCLE, 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		10	11'-8"			DRILLED SHAFT - VERTICAL
A402		13	7'-6"	X		DRILLED SHAFT - HORIZONTAL

STANDARD TYPES MCI/MCII/TFI

BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION
A801		10	16'-8"			DRILLED SHAFT - VERTICAL
A402		18	7'-6"	X		DRILLED SHAFT - HORIZONTAL

STANDARD TYPE MFII

BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION
A801		14	12'-8"			DRILLED SHAFT - VERTICAL
A402		14	9'-1"	X		DRILLED SHAFT - HORIZONTAL

STANDARD TYPE TCI

BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION
A801		14	17'-8"			DRILLED SHAFT - VERTICAL
A402		19	9'-1"	X		DRILLED SHAFT - HORIZONTAL

STANDARD TYPE TFII

BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION
A801		14	19'-8"			DRILLED SHAFT - VERTICAL
A402		21	9'-1"	X		DRILLED SHAFT - HORIZONTAL

STANDARD TYPES MCIII/TCII/TFIII

BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION
A901		14	17'-8"			DRILLED SHAFT - VERTICAL
A402		19	10'-7"	X		DRILLED SHAFT - HORIZONTAL

STANDARD TYPES MCIV/TFIV

BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION
A901		14	22'-8"			DRILLED SHAFT - VERTICAL
A402		24	10'-7"	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	12'-2"	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	12'-2"	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: OCT. 2024

DRAWN BY BOS | PLANS CK'D BOS

MONOTUBE & 2-CHORD TRUSS FOUNDATIONS

SHEET IV
338

SCALE = 3.0

8

DIVISION 1 (STAGE 1)
STAGE 1 - NB - SB TEMP WIDENING

STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)			
		CUT	FILL	EBS	CUT	FILL	EBS	CUT	EXPANDED FILL	REDUCED EBS IN FILL	MASS ORDINATE
								1.00	1.25	0.80	
					NOTE 1	NOTE 3	NOTE 4	NOTE 1		NOTE 5	NOTE 6
802+82.96	0.00	15.80	0.00	0.79	0	0	0	0	0	0	0
803+00.00	17.04	16.46	0.00	0.82	10	0	1	10	0	1	11
803+50.00	50	20.39	0.00	1.02	34	0	2	44	0	2	46
804+00.00	50	37.41	0.32	1.87	54	0	3	98	0	5	103
804+50.00	50	56.91	1.36	2.85	87	2	4	185	3	8	191
805+00.00	50	80.55	2.19	4.03	127	3	6	312	6	13	319
805+50.00	50	132.49	0.10	6.62	197	2	10	509	9	21	521
806+00.00	50	172.60	0.05	8.63	282	0	14	791	9	32	814
806+50.00	50	172.00	0.03	8.60	319	0	16	1110	9	45	1146
807+00.00	50	122.13	0.00	6.11	272	0	14	1382	9	56	1429
807+37.49	37.49	20.51	0.00	1.03	99	0	5	1481	9	60	1532
807+50.00	12.51	20.09	0.00	1.00	9	0	0	1490	9	60	1541
808+00.00	50	10.58	5.80	0.53	28	5	1	1518	15	61	1564
808+50.00	50	9.35	17.82	0.47	18	22	1	1536	43	62	1555
809+00.00	50	7.58	32.04	0.38	16	46	1	1552	100	62	1514
809+50.00	50	7.08	42.35	0.35	14	69	1	1566	186	63	1443
810+00.00	50	10.91	17.66	0.55	17	56	1	1583	256	64	1391
810+25.00	25	13.19	0.00	0.66	11	8	1	1594	266	65	1393
810+50.00	25	9.48	0.58	0.47	10	0	1	1604	266	66	1403
811+00.00	50	7.63	16.96	0.38	16	16	1	1620	286	66	1400
811+50.00	50	10.75	0.12	0.54	17	16	1	1637	306	67	1398
812+00.00	50	10.57	0.00	0.53	20	0	1	1657	306	68	1419
812+50.00	50	13.14	0.00	0.66	22	0	1	1679	306	69	1442
813+00.00	50	11.33	0.00	0.57	23	0	1	1702	306	70	1465
813+50.00	50	9.50	0.26	0.47	19	0	1	1721	306	70	1485
814+00.00	50	9.51	3.48	0.48	18	3	1	1739	310	71	1500
814+50.00	50	12.84	0.00	0.64	21	3	1	1760	314	72	1518
814+59.22	9.22	19.72	0.00	0.99	6	0	0	1766	314	72	1524
816+01.74	0	14.71	0.00	0.74	0	0	0	1766	314	72	1524
816+50.00	48.26	23.47	0.00	1.17	34	0	2	1800	314	74	1560
817+00.00	50	8.84	0.01	0.44	30	0	1	1830	314	74	1591
817+50.00	50	10.05	0.48	0.50	17	0	1	1847	314	75	1608
818+00.00	50	8.14	1.02	0.41	17	1	1	1864	315	76	1625
818+50.00	50	7.78	0.01	0.39	15	1	1	1879	316	77	1640
819+00.00	50	8.23	0.00	0.41	15	0	1	1894	316	78	1655
819+50.00	50	9.01	0.00	0.45	16	0	1	1910	316	78	1672
820+00.00	50	9.78	0.00	0.49	17	0	1	1927	316	79	1690
820+50.00	50	11.72	0.00	0.59	20	0	1	1947	316	80	1711
820+55.23	5.23	12.26	0.00	0.61	2	0	0	1949	316	80	1713
826+98.26	0	9.99	0.00	0.50	0	0	0	1949	316	80	1713
827+00.00	1.74	9.96	0.00	0.50	1	0	0	1950	316	80	1714
827+50.00	50	9.82	0.00	0.49	18	0	1	1968	316	81	1733
828+00.00	50	11.72	0.00	0.59	20	0	1	1988	316	82	1753
828+50.00	50	12.16	0.00	0.61	22	0	1	2010	316	82	1776
828+75.00	25	26.34	0.00	1.32	18	0	1	2028	316	83	1795
829+00.00	25	15.70	0.00	0.78	19	0	1	2047	316	84	1815
829+50.00	50	13.73	0.00	0.69	27	0	1	2074	316	85	1843
830+00.00	50	15.34	0.00	0.77	27	0	1	2101	316	86	1870
830+50.00	50	15.36	0.00	0.77	28	0	1	2129	316	86	1899
831+00.00	50	13.69	0.00	0.68	27	0	1	2156	316	87	1927

CON'T ON NEXT PAGE

NOTES:
1) CUT: CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL
2) SALVAGED/UNUSABLE PAVEMENT MATERIAL: NOT SHOWN IN CROSS SECTIONS
3) FILL: FILL DOES NOT INCLUDE SALVAGED/UNUSABLE PAVEMENT MATERIAL
4) EBS CALCULATED AT 5 PERCENT OF CUT
5) EXCAVATED EBS MATERIAL IS USUABLE IN FILLS OUTSIDE THE 1:1 SLOPE WHEN PROPOSED SLOPES ARE FLATTER THAN A 3:1
6) MASS ORDINATE: MASS ORDINATE = CUT+REDUCED EBS-SALVAGED/UNUSABLE PAVEMENT MATERIAL-EXPANDED FILL

DIVISION 1 (STAGE 1) CONT.
STAGE 1 - NB - SB TEMP WIDENING

CON'T ON PREVIOUS PAGE

STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)			
		CUT	FILL	EBS	CUT	FILL	EBS	CUT	EXPANDED FILL	REDUCED EBS IN FILL	MASS ORDINATE
								1.00	1.25	0.80	
					NOTE 1	NOTE 3	NOTE 4	NOTE 1		NOTE 5	NOTE 6
831+50.00	50	26.86	0.00	1.34	38	0	2	2194	316	89	1967
832+00.00	50	33.37	0.00	1.67	56	0	3	2250	316	91	2025
832+50.00	50	20.00	0.00	1.00	49	0	2	2299	316	93	2076
833+00.00	50	21.63	0.00	1.08	39	0	2	2338	316	94	2116
833+50.00	50	22.41	0.00	1.12	41	0	2	2379	316	96	2159
834+00.00	50	21.71	0.00	1.09	41	0	2	2420	316	98	2201
834+50.00	50	16.94	0.00	0.85	36	0	2	2456	316	99	2239
835+00.00	50	14.80	0.00	0.74	29	0	1	2485	316	100	2269
835+50.00	50	15.39	0.00	0.77	28	0	1	2513	316	101	2298
836+00.00	50	15.91	0.00	0.80	29	0	1	2542	316	102	2327
836+50.00	50	15.72	0.00	0.79	29	0	1	2571	316	102	2357
837+00.00	50	16.34	0.00	0.82	30	0	1	2601	316	103	2388
837+50.00	50	15.76	0.00	0.79	30	0	1	2631	316	104	2419
838+00.00	50	16.83	0.00	0.84	30	0	2	2661	316	106	2450
838+50.00	50	14.33	0.00	0.72	29	0	1	2690	316	106	2480
839+00.00	50	12.02	0.00	0.60	24	0	1	2714	316	107	2505
839+22.38	22.38	0.00	0.00	0.00	5	0	0	2719	316	107	2510
	COLUMN TOTALS				2,719	253	134				

DIVISION 2 (STAGE 2)
STAGE 2 - EA

STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)			
		CUT	FILL	EBS	CUT	FILL	EBS	CUT	EXPANDED FILL	REDUCED EBS IN FILL	MASS ORDINATE
								1.00	1.25	0.80	
					NOTE 1	NOTE 3	NOTE 4	NOTE 1		NOTE 5	NOTE 6
10+00.25	5.37	104.06	0.00	5.20	23	0	1	23	0	1	24
10+10.81	10.56	131.04	0.00	6.55	46	0	2	69	0	2	71
11+92.25	0.00	100.76	0.76	5.04	0	0	0	69	0	2	71
12+00.00	7.75	110.28	0.01	5.51	30	0	2	99	0	4	103
12+25.00	25.00	89.98	6.75	4.50	93	3	5	192	4	8	196
12+50.00	25.00	99.95	65.21	5.00	88	33	4	280	45	11	246
12+75.00	25.00	141.01	60.57	7.05	112	58	6	392	118	16	291
13+00.00	25.00	139.13	0.00	6.96	130	28	6	522	153	21	390
13+25.00	25.00	61.24	1.55	3.06	93	1	5	615	154	25	486
13+50.00	25.00	49.79	160.74	2.49	51	75	3	666	248	27	446
13+75.00	25.00	123.03	0.00	6.15	80	74	4	746	340	30	436
	COLUMN TOTALS				746	272	38				

NOTES:
1) CUT: CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL
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3) FILL: FILL DOES NOT INCLUDE SALVAGED/UNUSABLE PAVEMENT MATERIAL
4) EBS CALCULATED AT 5 PERCENT OF CUT
5) EXCAVATED EBS MATERIAL IS USUABLE IN FILLS OUTSIDE THE 1:1 SLOPE WHEN PROPOSED SLOPES ARE FLATTER THAN A 3:1
6) MASS ORDINATE: MASS ORDINATE = CUT+REDUCED EBS-SALVAGED/UNUSABLE PAVEMENT MATERIAL-EXPANDED FILL

DIVISION 2 (STAGE 2)
STAGE 2 - EB - EXCHANGE NB LEGS

STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)			
		CUT	FILL	EBS	CUT NOTE 1	FILL NOTE 3	EBS NOTE 4	CUT 1.00 NOTE 1	EXPANDED FILL 1.25	REDUCED EBS IN FILL 0.80 NOTE 5	MASS ORDINATE NOTE 6
12+60.20	0.00	94.02	123.92	4.70	0	0	0	0	0	0	0
13+00.00	39.80	104.49	103.68	5.22	146	168	7	146	210	6	-58
13+50.00	50.00	130.26	108.48	6.51	217	196	11	363	455	14	-78
14+00.00	50.00	141.57	91.49	7.08	252	185	13	615	686	25	-46
14+50.00	50.00	96.88	85.01	4.84	221	163	11	836	890	34	-20
14+66.29	16.29	48.57	83.23	2.43	44	51	2	880	954	35	-39
16+17.20	0.00	10.35	6.78	0.52	0	0	0	880	954	35	-39
16+50.00	32.80	12.54	0.02	0.63	14	4	1	894	959	36	-29
17+00.00	50.00	51.87	0.00	2.59	60	0	3	954	959	38	34
17+50.00	50.00	78.63	0.00	3.93	121	0	6	1075	959	43	159
18+00.00	50.00	98.82	24.05	4.94	164	22	8	1239	986	50	302
18+50.00	50.00	121.28	26.99	6.06	204	47	10	1443	1045	58	456
18+93.91	43.91	155.35	34.21	7.77	225	50	11	1668	1108	66	627
	COLUMN TOTALS				1,668	886	83				

DIVISION 2 (STAGE 2)
STAGE 2 - ED - RADII

STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)			
		CUT	FILL	EBS	CUT NOTE 1	FILL NOTE 3	EBS NOTE 4	CUT 1.00 NOTE 1	EXPANDED FILL 1.25	REDUCED EBS IN FILL 0.80 NOTE 5	MASS ORDINATE NOTE 6
10+17.72	0.00	39.62	0.00	1.98	0	0	0	0	0	0	0
10+50.00	32.28	38.47	0.00	1.92	47	0	2	47	0	2	49
11+00.00	50.00	31.93	0.00	1.60	65	0	3	112	0	4	116
11+14.76	14.76	29.44	0.06	1.47	17	0	1	129	0	5	134
11+50.00	35.24	32.52	0.34	1.63	40	0	2	169	0	6	175
12+00.00	50.00	96.45	38.27	4.82	119	36	6	288	45	11	254
12+13.94	13.94	57.93	42.44	2.90	40	21	2	328	71	13	270
	COUMN TOTALS				328	57	16				

NOTES:
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6) MASS ORDINATE: MASS ORDINATE = CUT+REDUCED EBS-SALVAGED/UNUSABLE PAVEMENT MATERIAL-EXPANDED FILL

DIVISION 2 (STAGE 2)
STAGE 2 - EX - EXCHANGE LEG

STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)			
		CUT	FILL	EBS	CUT NOTE 1	FILL NOTE 3	EBS NOTE 4	CUT 1.00 NOTE 1	EXPANDED FILL 1.25	REDUCED EBS IN FILL 0.80 NOTE 5	MASS ORDINATE NOTE 6
10+00.00	0.00	2.29	61.60	0.11	0	0	0	0	0	0	0
10+50.00	50.00	1.58	59.48	0.08	4	112	0	4	140	0	-136
11+00.00	50.00	13.05	20.94	0.65	14	74	1	18	233	1	-214
11+49.66	49.66	26.46	0.00	1.32	36	19	2	54	256	2	-200
11+99.99	50.33	77.33	0.00	3.87	97	0	5	151	256	6	-99
12+00.00	0.01	117.33	14.78	5.87	0	0	0	151	256	6	-99
12+50.00	50.00	146.62	15.79	7.33	244	28	12	395	291	16	120
12+92.82	42.82	138.93	19.75	6.95	226	28	11	621	326	25	320
13+00.00	7.18	144.42	21.23	7.22	38	5	2	659	333	26	353
13+33.00	33.00	90.52	14.48	4.53	144	22	7	803	360	32	475
	COLUMN TOTALS				803	288	40				

DIVISION 2 (STAGE 2)
STAGE 2 - TA

STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)			
		CUT	FILL	EBS	CUT NOTE 1	FILL NOTE 3	EBS NOTE 4	CUT 1.00 NOTE 1	EXPANDED FILL 1.25	REDUCED EBS IN FILL 0.80 NOTE 5	MASS ORDINATE NOTE 6
11+47.49	0.00	135.48	0.00	6.77	0	0	0	0	0	0	0
11+50.00	2.51	160.51	0.00	8.03	14	0	1	14	0	1	15
11+75.00	25.00	99.82	1.80	4.99	121	1	6	135	1	6	139
12+00.00	25.00	257.06	0.00	12.85	165	1	8	300	3	12	310
12+25.00	25.00	308.63	0.00	15.43	262	0	13	562	3	22	582
12+50.00	25.00	215.20	0.00	10.76	243	0	12	805	3	32	835
12+75.00	25.00	231.78	0.00	11.59	207	0	10	1012	3	40	1050
13+00.00	25.00	488.76	0.01	24.44	334	0	17	1346	3	54	1397
13+25.00	25.00	141.43	0.00	7.07	292	0	15	1638	3	66	1701
13+48.34	23.34	136.56	0.00	6.83	120	0	6	1758	3	70	1826
	COLUMN TOTALS				1,758	2	88				

NOTES:
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4) EBS CALCULATED AT 5 PERCENT OF CUT
5) EXCAVATED EBS MATERIAL IS USUABLE IN FILLS OUTSIDE THE 1:1 SLOPE WHEN PROPOSED SLOPES ARE FLATTER THAN A 3:1
6) MASS ORDINATE: MASS ORDINATE = CUT+REDUCED EBS-SALVAGED/UNUSABLE PAVEMENT MATERIAL-EXPANDED FILL

DIVISION 2 (STAGE 2)
STAGE 2 - TB - TOWER NB LEGS

STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)			
		CUT	FILL	EBS	CUT NOTE 1	FILL NOTE 3	EBS NOTE 4	CUT 1.00 NOTE 1	EXPANDED FILL 1.25	REDUCED EBS IN FILL 0.80 NOTE 5	MASS ORDINATE NOTE 6
10+91.28	0.00	58.13	0.00	2.91	0	0	0	0	0	0	0
11+00.00	8.72	72.70	0.19	3.64	21	0	1	21	0	1	22
11+50.00	50.00	179.62	0.00	8.98	234	0	12	255	0	10	265
12+00.00	50.00	293.42	0.06	14.67	438	0	22	693	0	28	721
12+50.00	50.00	349.40	0.27	17.47	595	0	30	1288	0	52	1340
13+00.00	50.00	345.42	0.00	17.27	643	0	32	1931	0	78	2009
13+32.61	32.61	332.99	0.00	16.65	410	0	20	2341	0	94	2435
14+81.45	0.00	174.30	0.00	8.71	0	0	0	2341	0	94	2435
15+00.00	18.55	146.25	0.65	7.31	110	0	6	2451	0	98	2549
15+50.00	50.00	107.76	0.50	5.39	235	1	12	2686	1	108	2793
16+00.00	50.00	91.44	0.14	4.57	184	1	9	2870	3	115	2983
16+50.00	50.00	76.96	0.29	3.85	156	0	8	3026	3	122	3145
17+00.00	50.00	123.29	0.00	6.16	185	0	9	3211	3	129	3337
17+03.85	3.85	124.03	0.00	6.20	18	0	1	3229	3	130	3356
	COLUMN TOTALS				3,229	2	162				

DIVISION 2 (STAGE 2)
STAGE 2 - TD - RADII

STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)			
		CUT	FILL	EBS	CUT NOTE 1	FILL NOTE 3	EBS NOTE 4	CUT 1.00 NOTE 1	EXPANDED FILL 1.25	REDUCED EBS IN FILL 0.80 NOTE 5	MASS ORDINATE NOTE 6
10+00.46	0.00	186.46	0.00	9.32	0	0	0	0	0	0	0
10+50.00	49.54	170.11	0.00	8.51	327	0	16	327	0	13	340
10+80.00	30.00	249.67	0.00	12.48	233	0	12	560	0	22	582
10+97.15	17.15	148.83	0.00	7.44	127	0	6	687	0	27	714
	COLUMN TOTALS				687	0	34				

DIVISION 2 (STAGE 2)
STAGE 2 - TR - EAST APPROACH LEG

STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)			
		CUT	FILL	EBS	CUT NOTE 1	FILL NOTE 3	EBS NOTE 4	CUT 1.00 NOTE 1	EXPANDED FILL 1.25	REDUCED EBS IN FILL 0.80 NOTE 5	MASS ORDINATE NOTE 6
19+00.41	0.00	431.87	0.00	21.59	0	0	0	0	0	0	0
19+50.00	49.59	317.39	0.00	15.87	688	0	34	688	0	27	688
20+00.00	50.00	148.42	0.00	7.42	431	0	22	1119	0	45	1119
20+03.43	3.43	135.84	0.00	6.79	18	0	1	1137	0	46	1137
20+03.44	0.01	299.29	0.00	14.96	0	0	0	1137	0	46	1137
20+50.00	46.56	203.74	0.49	10.19	434	0	22	1571	0	63	1571
21+00.00	50.00	68.26	0.00	3.41	252	0	13	1823	0	74	1823
21+50.00	50.00	23.48	0.00	1.17	85	0	4	1908	0	77	1908
	COLUMN TOTALS				1,908	0	96				

NOTES:
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4) EBS CALCULATED AT 5 PERCENT OF CUT
5) EXCAVATED EBS MATERIAL IS USUABLE IN FILLS OUTSIDE THE 1:1 SLOPE WHEN PROPOSED SLOPES ARE FLATTER THAN A 3:1
6) MASS ORDINATE: MASS ORDINATE = CUT+REDUCED EBS-SALVAGED/UNUSABLE PAVEMENT MATERIAL-EXPANDED FILL

DIVISION 2 (STAGE 2)
STAGE 2 - NB - SOUTH OF TOWER

STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)			
		CUT	FILL	EBS	CUT	FILL	EBS	CUT	EXPANDED FILL	REDUCED EBS IN FILL	MASS ORDINATE
								1.00	1.25	0.80	
					NOTE 1	NOTE 3	NOTE 4	NOTE 1		NOTE 5	NOTE 6
802+93.81	0.00	9.52	0.00	0.48	0	0	0	0	0	0	0
803+00.00	6.19	9.39	0.00	0.47	2	0	0	2	0	0	2
803+50.00	50.00	7.98	0.00	0.40	16	0	1	18	0	1	18
804+00.00	50.00	7.14	2.98	0.36	14	3	1	32	4	2	28
804+50.00	50.00	7.81	6.55	0.39	14	9	1	46	15	2	31
805+00.00	50.00	27.64	1.56	1.38	33	8	2	79	25	4	54
805+50.00	50.00	29.31	2.23	1.47	53	4	3	132	30	6	102
806+00.00	50.00	35.97	1.86	1.80	60	4	3	192	35	9	157
806+50.00	50.00	31.80	3.47	1.59	63	5	3	255	41	11	214
807+00.00	50.00	59.78	0.00	2.99	85	3	4	340	45	14	295
807+10.00	10.00	43.17	0.05	2.16	19	0	1	359	45	15	314
807+50.00	40.00	27.82	2.00	1.39	53	2	3	412	48	18	365
808+00.00	50.00	23.80	5.79	1.19	48	7	2	460	56	19	404
808+50.00	50.00	20.99	16.76	1.05	41	21	2	501	83	21	419
809+00.00	50.00	17.96	32.97	0.90	36	46	2	537	140	22	397
809+50.00	50.00	37.62	56.81	1.88	51	83	3	588	244	25	344
810+00.00	50.00	34.34	68.76	1.72	67	116	3	655	389	27	266
810+50.00	50.00	24.73	77.15	1.24	55	135	3	710	558	30	153
811+00.00	50.00	59.66	87.06	2.98	78	152	4	788	748	33	41
811+50.00	50.00	33.35	70.94	1.67	86	146	4	874	930	36	-56
812+00.00	50.00	58.16	0.00	2.91	85	66	4	959	1013	39	-54
	COLUMN TOTALS				959	810	49				

NOTES:
1) CUT: CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL
2) SALVAGED/UNUSABLE PAVEMENT MATERIAL: NOT SHOWN IN CROSS SECTIONS
3) FILL: FILL DOES NOT INCLUDE SALVAGED/UNUSABLE PAVEMENT MATERIAL
4) EBS CALCULATED AT 5 PERCENT OF CUT
5) EXCAVATED EBS MATERIAL IS USUABLE IN FILLS OUTSIDE THE 1:1 SLOPE WHEN PROPOSED SLOPES ARE FLATTER THAN A 3:1
6) MASS ORDINATE: MASS ORDINATE = CUT+REDUCED EBS-SALVAGED/UNUSABLE PAVEMENT MATERIAL-EXPANDED FILL

DIVISION 2 (STAGE 2)
STAGE 2 - NB - TOWER TO EXCHANGE

STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)			
		CUT	FILL	EBS	CUT NOTE 1	FILL NOTE 3	EBS NOTE 4	CUT 1.00 NOTE 1	EXPANDED FILL 1.25	REDUCED EBS IN FILL 0.80 NOTE 5	MASS ORDINATE NOTE 6
818+00.00	0.00	123.38	0.00	6.17	0	0	0	0	0	0	0
818+50.00	50.00	141.42	0.00	7.07	245	0	12	245	0	10	245
819+00.00	50.00	151.27	0.00	7.56	271	0	14	516	0	21	516
819+50.00	50.00	167.63	0.00	8.38	295	0	15	811	0	33	811
820+00.00	50.00	174.86	0.00	8.74	317	0	16	1128	0	46	1128
820+50.00	50.00	187.13	0.00	9.36	335	0	17	1463	0	59	1463
821+00.00	50.00	201.92	0.00	10.10	360	0	18	1823	0	74	1823
821+50.00	50.00	231.62	0.00	11.58	401	0	20	2224	0	90	2224
822+00.00	50.00	240.26	0.00	12.01	437	0	22	2661	0	107	2661
822+50.00	50.00	261.92	0.00	13.10	465	0	23	3126	0	126	3126
823+00.00	50.00	301.32	0.00	15.07	522	0	26	3648	0	146	3648
823+50.00	50.00	367.44	0.07	18.37	619	0	31	4267	0	171	4267
824+00.00	50.00	395.49	0.00	19.77	706	0	35	4973	0	199	4973
824+50.00	50.00	137.64	0.23	0.00	494	0	18	5467	0	214	5467
824+60.00	10.00	140.99	0.00	0.00	52	0	0	5519	0	214	5519
825+00.00	40.00	315.71	0.00	0.00	338	0	0	5857	0	214	5857
825+50.00	50.00	204.15	0.07	0.00	481	0	0	6338	0	214	6338
826+00.00	50.00	130.49	10.27	0.00	310	10	0	6648	13	214	6636
826+50.00	50.00	88.37	28.42	0.00	203	36	0	6851	58	214	6794
827+00.00	50.00	98.96	41.95	0.00	173	65	0	7024	139	214	6885
827+50.00	50.00	97.89	59.79	0.00	182	94	0	7206	256	214	6950
828+00.00	50.00	97.23	86.74	0.00	181	136	0	7387	426	214	6961
828+50.00	50.00	88.92	115.46	0.00	172	187	0	7559	660	214	6899
829+00.15	50.15	93.40	123.19	0.00	169	222	0	7728	938	214	6791
	COLUMN TOTALS				7,728	750	267				

DIVISION 2 (STAGE 2)
STAGE 2 - NB - NORTH OF EXCHANGE

STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)			
		CUT	FILL	EBS	CUT NOTE 1	FILL NOTE 3	EBS NOTE 4	CUT 1.00 NOTE 1	EXPANDED FILL 1.25	REDUCED EBS IN FILL 0.80 NOTE 5	MASS ORDINATE NOTE 6
835+20.80	0.00	161.95	34.23	8.10	0	0	0	0	0	0	0
835+50.00	29.20	188.35	0.00	9.42	189	19	9	189	24	7	165
836+00.00	50.00	108.07	10.25	5.40	274	9	14	463	35	18	428
836+50.00	50.00	108.52	9.43	5.43	201	18	10	664	58	26	607
837+00.00	50.00	117.63	11.20	5.88	209	19	10	873	81	34	792
837+50.00	50.00	116.81	10.52	5.84	217	20	11	1090	106	43	984
838+00.00	50.00	39.09	7.80	1.95	144	17	7	1234	128	49	1107
838+50.00	50.00	40.40	5.73	2.02	74	13	4	1308	144	52	1164
838+79.59	29.59	37.92	7.09	1.90	43	7	2	1351	153	54	1199
	COLUMN TOTALS				1,351	122	67				

NOTES:
1) CUT: CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL
2) SALVAGED/UNUSABLE PAVEMENT MATERIAL: NOT SHOWN IN CROSS SECTIONS
3) FILL: FILL DOES NOT INCLUDE SALVAGED/UNUSABLE PAVEMENT MATERIAL
4) EBS CALCULATED AT 5 PERCENT OF CUT
5) EXCAVATED EBS MATERIAL IS USUABLE IN FILLS OUTSIDE THE 1:1 SLOPE WHEN PROPOSED SLOPES ARE FLATTER THAN A 3:1
6) MASS ORDINATE: MASS ORDINATE = CUT+REDUCED EBS-SALVAGED/UNUSABLE PAVEMENT MATERIAL-EXPANDED FILL

DIVISION 3 (STAGE 3)
STAGE 3 - EA

STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)			
		CUT	FILL	EBS	CUT NOTE 1	FILL NOTE 3	EBS NOTE 4	CUT 1.00 NOTE 1	EXPANDED FILL 1.25	REDUCED EBS IN FILL 0.80 NOTE 5	MASS ORDINATE NOTE 6
10+10.81	0.00	106.20	0.03	5.31	0	0	0	0	0	0	0
10+25.00	14.19	134.36	0.00	6.72	63	0	3	63	0	2	63
10+50.00	25.00	142.05	0.00	7.10	128	0	6	191	0	7	191
10+75.00	25.00	203.57	0.00	10.18	160	0	8	351	0	14	351
11+00.00	25.00	276.87	0.00	13.84	222	0	11	573	0	22	573
11+25.00	25.00	231.80	0.00	11.59	235	0	12	808	0	32	808
11+50.00	25.00	128.72	8.93	6.44	167	4	8	975	5	38	970
11+75.00	25.00	180.74	0.00	9.04	143	4	7	1118	10	44	1108
11+92.25	17.25	101.45	0.00	5.07	90	0	5	1208	10	48	1198
	COLUMN TOTALS				1,208	8	60				

DIVISION 3 (STAGE 3)
STAGE 3 - TA

STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)			
		CUT	FILL	EBS	CUT NOTE 1	FILL NOTE 3	EBS NOTE 4	CUT 1.00 NOTE 1	EXPANDED FILL 1.25	REDUCED EBS IN FILL 0.80 NOTE 5	MASS ORDINATE NOTE 6
10+25.00	30.13	82.36	44.64	4.12	111	25	6	111	31	5	80
10+29.77	4.77	92.76	0.00	4.64	15	4	1	126	36	6	90
10+83.97	0.00	128.88	0.00	6.44	0	0	0	126	36	6	90
11+00.00	16.03	209.66	0.00	10.48	100	0	5	226	36	10	190
11+14.00	14.00	378.51	0.00	18.93	152	0	8	378	36	16	342
11+25.00	11.00	232.19	3.92	11.61	124	1	6	502	38	21	465
11+47.49	22.49	107.28	0.00	5.36	141	2	7	643	40	26	603
13+48.34	0.00	102.51	0.00	5.13	0	0	0	643	40	26	603
13+50.00	1.66	113.02	0.00	5.65	7	0	0	650	40	26	610
13+75.00	25.00	116.86	0.00	5.84	106	0	5	756	40	30	716
	COUMN TOTALS				756	32	38				

DIVISION 3 (STAGE 3)
STAGE 3 - TG - WEST APPROACH LEG

STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)			
		CUT	FILL	EBS	CUT NOTE 1	FILL NOTE 3	EBS NOTE 4	CUT 1.00 NOTE 1	EXPANDED FILL 1.25	REDUCED EBS IN FILL 0.80 NOTE 5	MASS ORDINATE NOTE 6
12+00.00	0.00	246.36	0.00	12.32	0	0	0	0	0	0	0
12+50.00	50.00	293.03	0.00	14.65	499	0	25	499	0	20	499
12+66.64	16.64	266.74	0.00	13.34	172	0	9	671	0	27	671
	COLUMN TOTAL				671	0	34				

NOTES:
1) CUT: CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL
2) SALVAGED/UNUSABLE PAVEMENT MATERIAL: NOT SHOWN IN CROSS SECTIONS
3) FILL: FILL DOES NOT INCLUDE SALVAGED/UNUSABLE PAVEMENT MATERIAL
4) EBS CALCULATED AT 5 PERCENT OF CUT
5) EXCAVATED EBS MATERIAL IS USUABLE IN FILLS OUTSIDE THE 1:1 SLOPE WHEN PROPOSED SLOPES ARE FLATTER THAN A 3:1
6) MASS ORDINATE: MASS ORDINATE = CUT+REDUCED EBS-SALVAGED/UNUSABLE PAVEMENT MATERIAL-EXPANDED FILL

DIVISION 3 - STAGE 3
STAGE 3 - TR - TEMP BYPASS LANE

STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)			
		CUT	FILL	EBS	CUT	FILL	EBS	CUT	EXPANDED FILL	REDUCED EBS IN FILL	MASS ORDINATE
								1.00	1.25	0.80	
					NOTE 1	NOTE 3	NOTE 4	NOTE 1		NOTE 5	NOTE 6
12+87.10	0.00	4.21	0.00	0.21	0	0	0	0	0	0	0
13+00.00	12.90	4.40	0.01	0.22	2	0	0	2	0	0	2
13+50.00	50.00	7.27	1.10	0.36	11	1	1	13	1	1	12
14+00.00	50.00	13.69	9.47	0.68	19	10	1	32	14	2	18
14+50.00	50.00	12.26	17.37	0.61	24	25	1	56	45	2	11
15+00.00	50.00	32.78	1.14	1.64	42	17	2	98	66	4	32
15+50.00	50.00	66.85	0.00	3.34	92	1	5	190	68	8	123
16+00.00	50.00	102.03	0.00	5.10	156	0	8	346	68	14	279
16+50.00	50.00	190.36	0.00	9.52	271	0	14	617	68	26	550
16+66.12	16.12	259.41	0.00	12.97	134	0	7	751	68	31	684
	COLUMN TOTALS				751	54	39				

DIVISION 3 (STAGE 3)
STAGE 3 - NB - SOUTH OF TOWER

STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)			
		CUT	FILL	EBS	CUT	FILL	EBS	CUT	EXPANDED FILL	REDUCED EBS IN FILL	MASS ORDINATE
								1.00	1.25	0.80	
					NOTE 1	NOTE 3	NOTE 4	NOTE 1		NOTE 5	NOTE 6
804+83.49	0.00	38.51	0.00	1.93	0	0	0	0	0	0	0
805+00.00	16.51	38.30	0.00	1.92	23	0	1	23	0	1	23
805+50.00	50.00	38.68	0.00	1.93	71	0	4	94	0	4	94
805+90.11	40.11	40.29	0.00	2.01	59	0	3	153	0	6	153
	COLUMN TOTALS				153	0	8				

DIVISION 3 (STAGE 3)
STAGE 3 - NB - NORTH OF EXCHANGE

STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)			
		CUT	FILL	EBS	CUT	FILL	EBS	CUT	EXPANDED FILL	REDUCED EBS IN FILL	MASS ORDINATE
								1.00	1.25	0.80	
					NOTE 1	NOTE 3	NOTE 4	NOTE 1		NOTE 5	NOTE 6
837+89.35	0.00	63.74	0.00	3.19	0	0	0	0	0	0	0
838+00.00	10.65	58.72	0.00	2.94	24	0	1	24	0	1	24
838+50.00	50.00	42.26	0.82	2.11	94	1	5	118	1	5	117
838+79.58	29.58	35.85	4.75	1.79	43	3	2	161	5	6	156
	COLUMN TOTALS				161	4	8				

NOTES:
1) CUT: CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL
2) SALVAGED/UNUSABLE PAVEMENT MATERIAL: NOT SHOWN IN CROSS SECTIONS
3) FILL: FILL DOES NOT INCLUDE SALVAGED/UNUSABLE PAVEMENT MATERIAL
4) EBS CALCULATED AT 5 PERCENT OF CUT
5) EXCAVATED EBS MATERIAL IS USUABLE IN FILLS OUTSIDE THE 1:1 SLOPE WHEN PROPOSED SLOPES ARE FLATTER THAN A 3:1
6) MASS ORDINATE: MASS ORDINATE = CUT+REDUCED EBS-SALVAGED/UNUSABLE PAVEMENT MATERIAL-EXPANDED FILL

DIVISION 3 (STAGE 3)
STAGE 3 - SB - SOUTH OF TOWER

STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)			
		CUT	FILL	EBS	CUT	FILL	EBS	CUT 1.00	EXPANDED FILL 1.25	REDUCED EBS IN FILL 0.80	MASS ORDINATE
					NOTE 1	NOTE 3	NOTE 4	NOTE 1		NOTE 5	NOTE 6
10+00.15	0.00	36.34	0.00	1.82	0	0	0	0	0	0	0
10+50.00	49.85	38.20	0.00	1.91	69	0	3	69	0	2	69
11+00.00	50.00	44.90	0.00	2.25	77	0	4	146	0	6	146
11+45.00	45.00	44.16	37.74	2.21	74	31	4	220	39	9	181
11+50.00	5.00	35.48	0.00	1.77	7	3	0	227	43	9	185
12+00.00	50.00	57.42	0.00	2.87	86	0	4	313	43	12	271
12+50.00	50.00	59.16	0.00	2.96	108	0	5	421	43	16	379
13+00.00	50.00	65.52	0.00	3.28	115	0	6	536	43	21	494
13+50.00	50.00	79.48	0.00	3.97	134	0	7	670	43	26	628
14+00.00	50.00	93.32	0.00	4.67	160	0	8	830	43	33	788
14+39.26	39.26	57.56	0.00	2.88	110	0	5	940	43	37	898
14+50.00	10.74	63.12	0.03	3.16	24	0	1	964	43	38	922
15+00.00	50.00	109.34	0.00	5.47	160	0	8	1124	43	44	1082
15+50.00	50.00	146.32	0.00	7.32	237	0	12	1361	43	54	1319
16+00.00	50.00	161.28	0.00	8.06	285	0	14	1646	43	65	1604
16+50.00	50.00	154.49	0.00	7.72	292	0	15	1938	43	77	1896
17+00.00	50.00	129.89	2.76	6.49	263	3	13	2201	46	87	2155
17+09.14	9.14	125.05	0.01	6.25	43	0	2	2244	46	89	2198
	COLUMN TOTALS				2,244	37	111				

DIVISION 3 (STAGE 3)
STAGE 3 - SB - TOWER SB LEGS

STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)			
		CUT	FILL	EBS	CUT	FILL	EBS	CUT 1.00	EXPANDED FILL 1.25	REDUCED EBS IN FILL 0.80	MASS ORDINATE
					NOTE 1	NOTE 3	NOTE 4	NOTE 1		NOTE 5	NOTE 6
17+09.14	0.00	127.97	0.01	6.40	0	0	0	0	0	0	0
17+50.00	40.86	82.18	27.92	4.11	159	21	8	159	26	6	133
18+00.00	50.00	46.96	44.62	2.35	120	67	6	279	110	11	169
18+50.00	50.00	17.35	65.57	0.87	60	102	3	339	238	14	102
18+62.58	12.58	3.44	64.43	0.17	5	30	0	344	275	14	69
20+19.46	0.00	265.10	0.15	13.26	0	0	0	344	275	14	69
20+50.00	30.54	250.66	0.00	12.53	292	0	15	636	275	26	361
21+00.00	50.00	194.31	0.00	9.72	412	0	21	1048	275	42	773
21+50.00	50.00	150.74	0.03	7.54	319	0	16	1367	275	55	1092
22+00.00	50.00	114.67	17.55	5.73	246	16	12	1613	295	65	1318
22+06.00	6.00	111.10	12.55	5.56	25	3	1	1638	299	66	1339
	COLUMN TOTALS				1,638	239	82				

NOTES:
1) CUT: CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL
2) SALVAGED/UNUSABLE PAVEMENT MATERIAL: NOT SHOWN IN CROSS SECTIONS
3) FILL: FILL DOES NOT INCLUDE SALVAGED/UNUSABLE PAVEMENT MATERIAL
4) EBS CALCULATED AT 5 PERCENT OF CUT
5) EXCAVATED EBS MATERIAL IS USUABLE IN FILLS OUTSIDE THE 1:1 SLOPE WHEN PROPOSED SLOPES ARE FLATTER THAN A 3:1
6) MASS ORDINATE: MASS ORDINATE = CUT+REDUCED EBS-SALVAGED/UNUSABLE PAVEMENT MATERIAL-EXPANDED FILL

DIVISION 3 (STAGE 3)
STAGE 3 - SB - TOWER TO EXCHANGE

STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)			
		CUT	FILL	EBS	CUT NOTE 1	FILL NOTE 3	EBS NOTE 4	CUT 1.00 NOTE 1	EXPANDED FILL 1.25	REDUCED EBS IN FILL 0.80 NOTE 5	MASS ORDINATE NOTE 6
22+06.00	0.00	111.10	12.55	5.56	0	0	0	0	0	0	0
22+50.00	44.00	97.76	11.65	4.89	170	20	9	170	25	7	145
23+00.00	50.00	101.12	9.32	5.06	184	19	9	354	49	14	305
23+50.00	50.00	103.36	5.85	5.17	189	14	9	543	66	22	477
24+00.00	50.00	102.17	1.00	5.11	190	6	10	733	74	30	659
24+50.00	50.00	109.43	0.00	5.47	196	1	10	929	75	38	854
25+00.00	50.00	100.81	0.00	5.04	195	0	10	1124	75	46	1049
25+50.00	50.00	102.72	7.06	5.14	188	7	9	1312	84	53	1228
26+00.00	50.00	117.81	7.35	5.89	204	13	10	1516	100	61	1416
26+50.00	50.00	128.75	7.63	6.44	228	14	11	1744	118	70	1627
27+00.00	50.00	144.82	2.60	7.24	253	9	13	1997	129	80	1868
27+50.00	50.00	105.08	0.00	5.25	231	2	12	2228	131	90	2097
28+00.00	50.00	122.69	0.00	6.13	211	0	11	2439	131	98	2308
28+50.00	50.00	117.36	0.00	5.87	222	0	11	2661	131	107	2530
28+90.00	40.00	93.60	0.00	4.68	156	0	8	2817	131	114	2686
29+00.00	10.00	108.92	0.00	5.45	38	0	2	2855	131	115	2724
29+50.00	50.00	128.85	0.00	6.44	220	0	11	3075	131	124	2944
30+00.00	50.00	149.32	0.00	7.47	258	0	13	3333	131	134	3202
30+50.00	50.00	132.79	1.88	6.64	261	2	13	3594	134	145	3460
31+00.00	50.00	124.66	6.46	6.23	238	8	12	3832	144	154	3688
31+50.00	50.00	126.13	0.00	6.31	232	6	12	4064	151	164	3913
32+00.00	50.00	142.77	0.00	7.14	249	0	12	4313	151	174	4162
32+50.00	50.00	203.02	0.00	10.15	320	0	16	4633	151	186	4482
33+00.00	50.00	140.09	0.00	7.00	318	0	16	4951	151	199	4800
33+50.00	50.00	201.33	0.00	10.07	316	0	16	5267	151	212	5116
33+68.00	18.00	185.49	0.00	9.27	129	0	6	5396	151	217	5245
	COLUMN TOTALS				5,396	121	271				

NOTES:
1) CUT: CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL
2) SALVAGED/UNUSABLE PAVEMENT MATERIAL: NOT SHOWN IN CROSS SECTIONS
3) FILL: FILL DOES NOT INCLUDE SALVAGED/UNUSABLE PAVEMENT MATERIAL
4) EBS CALCULATED AT 5 PERCENT OF CUT
5) EXCAVATED EBS MATERIAL IS USUABLE IN FILLS OUTSIDE THE 1:1 SLOPE WHEN PROPOSED SLOPES ARE FLATTER THAN A 3:1
6) MASS ORDINATE: MASS ORDINATE = CUT+REDUCED EBS-SALVAGED/UNUSABLE PAVEMENT MATERIAL-EXPANDED FILL

STAGE 3 - SB - EXCHANGE SB LEGS

STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)			
		CUT	FILL	EBS	CUT	FILL	EBS	CUT 1.00	EXPANDED FILL 1.25	REDUCED EBS IN FILL 0.80	MASS ORDINATE
					NOTE 1	NOTE 3	NOTE 4	NOTE 1		NOTE 5	NOTE 6
33+68.00	0.00	185.49	0.00	9.27	0	0	0	0	0	0	0
34+00.00	32.00	186.37	0.00	9.32	220	0	11	220	0	9	220
34+50.00	50.00	151.10	0.00	7.56	312	0	16	532	0	22	532
35+00.00	50.00	117.91	2.00	5.90	249	2	12	781	3	31	779
35+40.92	40.92	67.48	0.00	3.37	140	2	7	921	5	37	916
36+89.82	0.00	105.13	0.00	5.26	0	0	0	921	5	37	916
37+00.00	10.18	118.40	0.13	5.92	42	0	2	963	5	38	958
37+50.00	50.00	122.00	0.32	6.10	223	0	11	1186	5	47	1181
38+00.00	50.00	125.63	0.00	6.28	229	0	11	1415	5	56	1410
38+50.00	50.00	132.98	0.00	6.65	239	0	12	1654	5	66	1649
39+00.00	50.00	119.86	0.82	5.99	234	1	12	1888	6	75	1882
39+50.00	50.00	100.64	6.80	5.03	204	7	10	2092	15	83	2077
40+00.00	50.00	108.79	13.90	5.44	194	19	10	2286	39	91	2247
40+32.70	32.70	112.49	3.41	5.62	134	10	7	2420	51	97	2369
	COLUMN TOTALS				2,420	41	121				

DIVISION 3 (STAGE 3)
STAGE 3 - SB - NORTH OF EXCHANGE

STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)			
		CUT	FILL	EBS	CUT	FILL	EBS	CUT 1.00	EXPANDED FILL 1.25	REDUCED EBS IN FILL 0.80	MASS ORDINATE
					NOTE 1	NOTE 3	NOTE 4	NOTE 1		NOTE 5	NOTE 6
40+32.70	0.00	112.48	3.21	5.62	0	0	0	0	0	0	0
40+50.00	17.30	77.41	3.39	3.87	61	2	3	61	3	2	59
41+00.00	50.00	85.42	0.00	4.27	151	3	8	212	6	9	206
41+50.00	50.00	92.75	0.00	4.64	165	0	8	377	6	15	371
42+00.00	50.00	80.55	0.00	4.03	160	0	8	537	6	22	531
42+27.01	27.01	62.19	0.00	3.11	71	0	4	608	6	25	602
	COLUMN TOTALS				608	5	31				

NOTES:
1) CUT: CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL
2) SALVAGED/UNUSABLE PAVEMENT MATERIAL: NOT SHOWN IN CROSS SECTIONS
3) FILL: FILL DOES NOT INCLUDE SALVAGED/UNUSABLE PAVEMENT MATERIAL
4) EBS CALCULATED AT 5 PERCENT OF CUT
5) EXCAVATED EBS MATERIAL IS USUABLE IN FILLS OUTSIDE THE 1:1 SLOPE WHEN PROPOSED SLOPES ARE FLATTER THAN A 3:1
6) MASS ORDINATE: MASS ORDINATE = CUT+REDUCED EBS-SALVAGED/UNUSABLE PAVEMENT MATERIAL-EXPANDED FILL

DIVISION 4 (STAGE 3A)
STAGE 3A - TA

STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)			
		CUT	FILL	EBS	CUT NOTE 1	FILL NOTE 3	EBS NOTE 4	CUT 1.00 NOTE 1	EXPANDED FILL 1.25	REDUCED EBS IN FILL 0.80 NOTE 5	MASS ORDINATE NOTE 6
10+29.77	0.00	143.40	0.00	7.17	0	0	0	0	0	0	0
10+50.00	20.23	145.99	0.00	7.30	108	0	5	108	0	4	108
10+75.00	25.00	141.93	0.00	7.10	133	0	7	241	0	10	241
10+83.95	8.95	128.11	0.00	6.41	45	0	2	286	0	11	286
	COLUMN TOTALS				286	0	14				

DIVISION 4 (STAGE 3A)
STAGE 3A - TG

STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)			
		CUT	FILL	EBS	CUT NOTE 1	FILL NOTE 3	EBS NOTE 4	CUT 1.00 NOTE 1	EXPANDED FILL 1.25	REDUCED EBS IN FILL 0.80 NOTE 5	MASS ORDINATE NOTE 6
10+00.00	0.00	70.15	0.00	3.51	0	0	0	0	0	0	0
10+50.00	50.00	55.95	0.00	2.80	117	0	6	117	0	5	117
11+00.00	50.00	51.24	0.00	2.56	99	0	5	216	0	9	216
11+50.00	50.00	38.26	0.00	1.91	83	0	4	299	0	12	299
12+00.00	50.00	59.67	0.00	2.98	91	0	5	390	0	16	390
	COLUMN TOTALS				390	0	20				

DIVISION 4 (STAGE 3A)
STAGE 3A - TR

STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)			
		CUT	FILL	EBS	CUT NOTE 1	FILL NOTE 3	EBS NOTE 4	CUT 1.00 NOTE 1	EXPANDED FILL 1.25	REDUCED EBS IN FILL 0.80 NOTE 5	MASS ORDINATE NOTE 6
14+65.54	0.00	102.70	0.00	5.14	0	0	0	0	0	0	0
15+00.00	34.46	94.78	0.00	4.74	126	0	6	126	0	5	126
15+50.00	50.00	105.56	0.00	5.28	186	0	9	312	0	12	312
16+00.00	50.00	122.97	0.00	6.15	212	0	11	524	0	21	524
16+50.00	50.00	105.59	1.03	5.28	212	1	11	736	1	30	735
17+00.00	50.00	133.82	6.07	6.69	222	7	11	958	10	38	948
17+23.86	23.86	57.31	9.59	2.87	84	7	4	1042	19	42	1023
	COLUMN TOTALS				1,042	15	52				

NOTES:
1) CUT: CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL
2) SALVAGED/UNUSABLE PAVEMENT MATERIAL: NOT SHOWN IN CROSS SECTIONS
3) FILL: FILL DOES NOT INCLUDE SALVAGED/UNUSABLE PAVEMENT MATERIAL
4) EBS CALCULATED AT 5 PERCENT OF CUT
5) EXCAVATED EBS MATERIAL IS USUABLE IN FILLS OUTSIDE THE 1:1 SLOPE WHEN PROPOSED SLOPES ARE FLATTER THAN A 3:1
6) MASS ORDINATE: MASS ORDINATE = CUT+REDUCED EBS-SALVAGED/UNUSABLE PAVEMENT MATERIAL-EXPANDED FILL

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DIVISION 5 (STAGE 3B)
STAGE 3B - TR

STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)			
		CUT	FILL	EBS	CUT NOTE 1	FILL NOTE 3	EBS NOTE 4	CUT 1.00 NOTE 1	EXPANDED FILL 1.25	REDUCED EBS IN FILL 0.80 NOTE 5	MASS ORDINATE NOTE 6
12+00.00	0.00	35.06	0.86	1.75	0	0	0	0	0	0	0
12+50.00	50.00	73.01	2.18	3.65	100	3	5	100	4	4	96
13+00.00	50.00	43.92	6.91	2.20	108	8	5	208	14	8	194
13+09.99	9.99	43.34	6.02	2.17	16	2	1	224	16	9	208
13+10.00	0.01	104.69	0.17	5.23	0	0	0	224	16	9	208
13+50.00	40.00	105.74	1.22	5.29	156	1	8	380	18	15	363
14+00.00	50.00	137.14	7.94	6.86	225	8	11	605	28	24	578
14+50.00	50.00	236.76	11.69	11.84	346	18	17	951	50	38	901
14+65.34	15.34	199.34	10.74	9.97	124	6	6	1075	58	42	1018
	COLUMN TOTALS				1,075	46	53				

DIVISION 5 (STAGE 3B)
STAGE 3B - TG

STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)			
		CUT	FILL	EBS	CUT NOTE 1	FILL NOTE 3	EBS NOTE 4	CUT 1.00 NOTE 1	EXPANDED FILL 1.25	REDUCED EBS IN FILL 0.80 NOTE 5	MASS ORDINATE NOTE 6
10+00.01	0.00	56.86	10.70	2.84	0	0	0	0	0	0	0
10+50.00	49.99	60.10	34.85	3.01	108	42	5	108	53	4	56
11+00.00	50.00	71.99	50.21	3.60	122	79	6	230	151	9	79
11+50.00	50.00	73.30	44.44	3.66	135	88	7	365	261	14	104
12+00.00	50.00	66.85	50.45	3.34	130	88	6	495	371	19	124
12+50.00	50.00	33.67	24.67	1.68	93	70	5	588	459	23	129
12+66.62	16.62	27.67	2.00	1.38	19	8	1	607	469	24	138
	COLUMN TOTALS				607	375	30				

DIVISION 5 (STAGE 3B)
STAGE 3B - TF - RADII

STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)			
		CUT	FILL	EBS	CUT NOTE 1	FILL NOTE 3	EBS NOTE 4	CUT 1.00 NOTE 1	EXPANDED FILL 1.25	REDUCED EBS IN FILL 0.80 NOTE 5	MASS ORDINATE NOTE 6
11+18.90	0.00	22.70	2.80	1.13	0	0	0	0	0	0	0
11+69.55	50.65	0.00	0.00	0.00	21	3	1	21	4	1	17
	COLUMN TOTALS				21	3	1				

NOTES:
1) CUT: CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL
2) SALVAGED/UNUSABLE PAVEMENT MATERIAL: NOT SHOWN IN CROSS SECTIONS
3) FILL: FILL DOES NOT INCLUDE SALVAGED/UNUSABLE PAVEMENT MATERIAL
4) EBS CALCULATED AT 5 PERCENT OF CUT
5) EXCAVATED EBS MATERIAL IS USUABLE IN FILLS OUTSIDE THE 1:1 SLOPE WHEN PROPOSED SLOPES ARE FLATTER THAN A 3:1
6) MASS ORDINATE: MASS ORDINATE = CUT+REDUCED EBS-SALVAGED/UNUSABLE PAVEMENT MATERIAL-EXPANDED FILL

DIVISION 6 (STAGE 4)
STAGE 4 - EA

STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
		CUT	FILL	EBS	CUT NOTE 1	FILL NOTE 3	EBS NOTE 4	CUT 1.00 NOTE 1	EXPANDED FILL 1.25	MASS ORDINATE NOTE 6
10+00.25	5.37	0.00	56.19	0.00	0	11	0	0	14	-14
10+25.00	24.75	0.00	55.37	0.00	0	51	0	0	78	-78
10+50.00	25.00	0.00	56.41	0.00	0	52	0	0	143	-143
10+75.00	25.00	0.00	56.20	0.00	0	52	0	0	208	-208
11+00.00	25.00	0.00	54.67	0.00	0	51	0	0	271	-271
11+25.00	25.00	0.00	53.89	0.00	0	50	0	0	334	-334
11+50.00	25.00	0.00	54.13	0.00	0	50	0	0	396	-396
11+75.00	25.00	0.00	53.74	0.00	0	50	0	0	459	-459
12+00.00	25.00	0.00	53.98	0.00	0	50	0	0	521	-521
12+25.00	25.00	0.00	54.51	0.00	0	50	0	0	584	-584
12+50.00	25.00	0.00	53.86	0.00	0	50	0	0	646	-646
12+75.00	25.00	0.00	53.73	0.00	0	50	0	0	709	-709
13+00.00	25.00	0.00	55.51	0.00	0	51	0	0	773	-773
13+25.00	25.00	0.00	57.36	0.00	0	52	0	0	838	-838
13+50.00	25.00	0.00	56.51	0.00	0	53	0	0	904	-904
13+75.00	25.00	0.00	56.56	0.00	0	52	0	0	969	-969
	COLUMN TOTALS				0	775	0			

DIVISION 6 (STAGE 4)
STAGE 4 - EB - CURB

STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
		CUT	FILL	EBS	CUT NOTE 1	FILL NOTE 3	EBS NOTE 4	CUT 1.00 NOTE 1	EXPANDED FILL 1.25	MASS ORDINATE NOTE 6
12+79.26	0.00	3.55	35.51	0.00	0	0	0	0	0	0
13+00.00	20.74	8.05	13.28	0.00	4	19	0	4	24	-20
13+50.00	50.00	34.27	0.78	0.00	39	13	0	43	40	3
14+00.00	50.00	40.00	0.76	0.00	69	1	0	112	41	71
14+50.00	50.00	23.05	0.49	0.00	58	1	0	170	43	128
14+69.70	19.70	9.81	6.94	0.00	12	3	0	182	46	136
	COLUMN TOTALS				182	37	0			

NOTES:
1) CUT: CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL
2) SALVAGED/UNUSABLE PAVEMENT MATERIAL: NOT SHOWN IN CROSS SECTIONS
3) FILL: FILL DOES NOT INCLUDE SALVAGED/UNUSABLE PAVEMENT MATERIAL
4) EBS CALCULATED AT 5 PERCENT OF CUT
5) EXCAVATED EBS MATERIAL IS USUABLE IN FILLS OUTSIDE THE 1:1 SLOPE WHEN PROPOSED SLOPES ARE FLATTER THAN A 3:1
6) MASS ORDINATE: MASS ORDINATE = CUT+REDUCED EBS-SALVAGED/UNUSABLE PAVEMENT MATERIAL-EXPANDED FILL

DIVISION 6 (STAGE 4)
STAGE 4 - TA

STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
		CUT	FILL	EBS	CUT	FILL	EBS	CUT 1.00	EXPANDED FILL 1.25	MASS ORDINATE
					NOTE 1	NOTE 3	NOTE 4	NOTE 1		NOTE 6
10+00.00	5.13	0.00	36.42	0.00	0	7	0	0	9	-9
10+25.00	25.00	0.00	40.09	0.00	0	35	0	0	53	-53
10+50.00	25.00	0.00	41.93	0.00	0	38	0	0	100	-100
10+75.00	25.00	0.00	43.07	0.00	0	39	0	0	149	-149
11+00.00	25.00	0.00	42.23	0.00	0	39	0	0	198	-198
11+25.00	25.00	0.00	38.11	0.00	0	37	0	0	244	-244
11+50.00	25.00	0.00	34.84	0.00	0	34	0	0	286	-286
11+75.00	25.00	0.00	35.96	0.00	0	33	0	0	328	-328
12+00.00	25.00	0.00	43.91	0.00	0	37	0	0	374	-374
12+25.00	25.00	0.00	42.65	0.00	0	40	0	0	424	-424
12+50.00	25.00	0.90	33.77	0.05	0	35	0	0	468	-468
12+75.00	25.00	1.66	31.90	0.08	1	30	0	1	505	-504
13+00.00	25.00	1.36	31.27	0.07	1	29	0	2	541	-539
13+25.00	25.00	0.70	31.94	0.04	1	29	0	3	578	-575
13+50.00	25.00	0.00	32.90	0.00	0	30	0	3	615	-612
13+75.00	25.00	0.00	35.50	0.00	0	32	0	3	655	-652
	COLUMN TOTALS				3	524	0			

DIVISION 6 (STAGE 4)
STAGE 4 - NB

STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
		CUT	FILL	EBS	CUT	FILL	EBS	CUT 1.00	EXPANDED FILL 1.25	MASS ORDINATE
					NOTE 1	NOTE 3	NOTE 4	NOTE 1		NOTE 6
804+83.49	0.00	12.61	0.13	0.00	0	0	0	0	0	0
805+00.00	16.51	11.92	0.31	0.00	7	0	0	7	0	7
805+50.00	50.00	11.25	0.32	0.00	21	1	0	28	1	27
806+00.00	50.00	11.27	2.52	0.00	21	3	0	49	5	44
806+50.00	50.00	11.25	0.32	0.00	21	3	0	70	9	61
807+00.00	50.00	10.14	1.26	0.00	20	1	0	90	10	80
807+50.00	50.00	5.35	0.32	0.00	14	1	0	104	11	93
808+00.00	50.00	9.71	0.31	0.00	14	1	0	118	13	106
808+50.00	50.00	12.32	0.32	0.00	20	1	0	138	14	124
809+00.00	50.00	13.72	0.38	0.00	24	1	0	162	15	147
809+50.00	50.00	12.45	0.99	0.00	24	1	0	186	16	170
809+65.63	15.63	11.80	2.46	0.00	7	1	0	193	18	176
810+00.00	34.37	8.76	3.70	0.00	13	4	0	206	23	184
810+50.00	50.00	4.69	7.14	0.00	12	10	0	218	35	183
811+00.00	50.00	1.41	14.22	0.00	6	20	0	224	60	164
811+08.58	8.58	1.03	15.77	0.00	0	5	0	224	66	158
	COLUMN TOTALS				224	53	0			

NOTES:
1) CUT: CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL
2) SALVAGED/UNUSABLE PAVEMENT MATERIAL: NOT SHOWN IN CROSS SECTIONS
3) FILL: FILL DOES NOT INCLUDE SALVAGED/UNUSABLE PAVEMENT MATERIAL
4) EBS CALCULATED AT 5 PERCENT OF CUT
5) EXCAVATED EBS MATERIAL IS USUABLE IN FILLS OUTSIDE THE 1:1 SLOPE WHEN PROPOSED SLOPES ARE FLATTER THAN A 3:1
6) MASS ORDINATE: MASS ORDINATE = CUT+REDUCED EBS-SALVAGED/UNUSABLE PAVEMENT MATERIAL-EXPANDED FILL

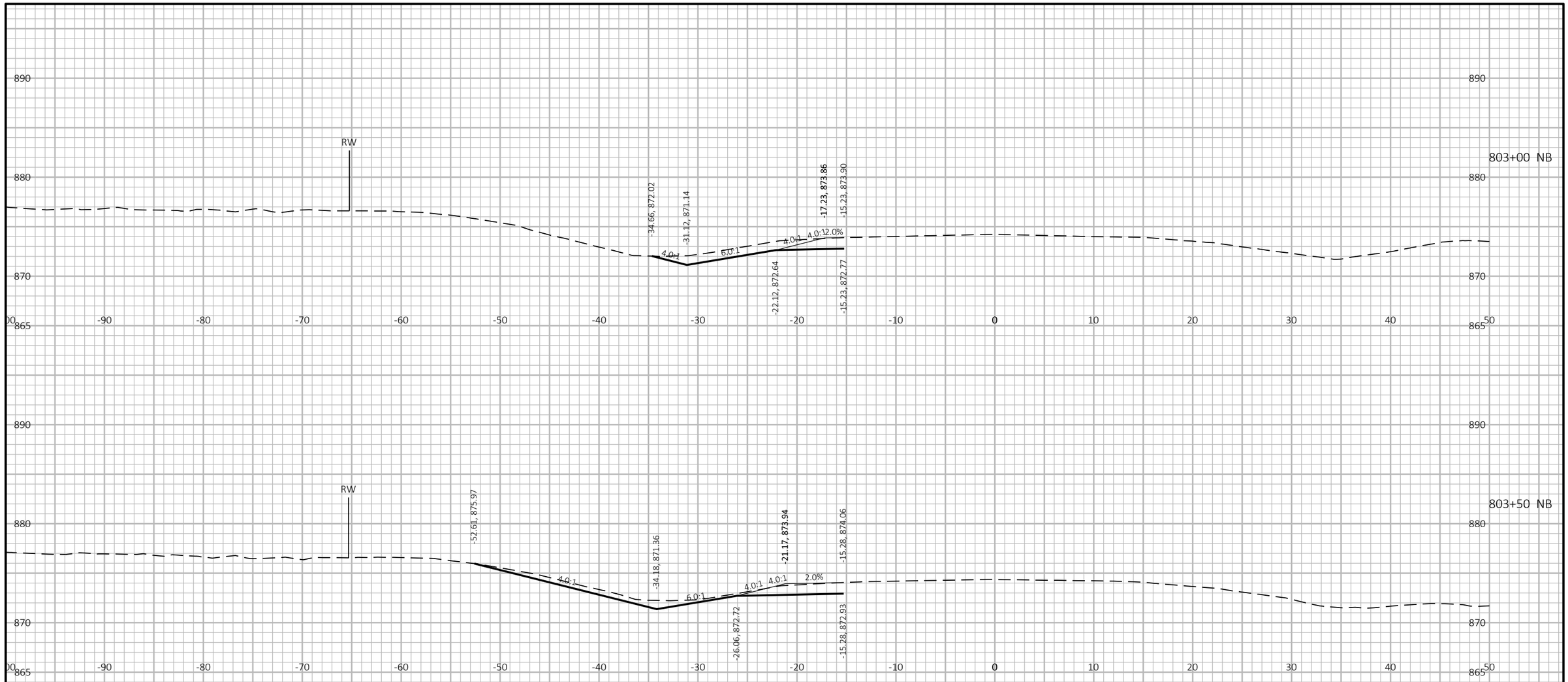
DIVISION 6 (STAGE 4)
STAGE 4 - TB - SHOULDER

STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
		CUT	FILL	EBS	CUT NOTE 1	FILL NOTE 3	EBS NOTE 4	CUT 1.00 NOTE 1	EXPANDED FILL 1.25	MASS ORDINATE NOTE 6
10+00.00	0.00	1.02	15.81	0.00	0	0	0	0	0	0
10+50.00	50.00	0.00	16.11	0.00	1	30	0	1	38	-37
10+97.80	47.80	0.00	0.00	0.00	0	14	0	1	55	-54
	COLUMN TOTALS				1	44	0			

DIVISION 6 (STAGE 4)
STAGE 4 - TB - CURB

STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
		CUT	FILL	EBS	CUT NOTE 1	FILL NOTE 3	EBS NOTE 4	CUT 1.00 NOTE 1	EXPANDED FILL 1.25	MASS ORDINATE NOTE 6
11+38.52	0.00	36.99	8.38	0.00	0	0	0	0	0	0
11+50.00	11.48	24.09	12.16	0.00	13	4	0	13	5	8
12+00.00	50.00	15.56	1.76	0.00	37	13	0	50	21	29
12+50.00	50.00	38.08	0.69	0.00	50	2	0	100	24	76
13+00.00	50.00	26.89	0.88	0.00	60	1	0	160	25	135
13+41.15	41.15	6.03	13.41	0.00	25	11	0	185	39	146
	COLUMN TOTALS				185	31	0			

NOTES:
1) CUT: CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL
2) SALVAGED/UNUSABLE PAVEMENT MATERIAL: NOT SHOWN IN CROSS SECTIONS
3) FILL: FILL DOES NOT INCLUDE SALVAGED/UNUSABLE PAVEMENT MATERIAL
4) EBS CALCULATED AT 5 PERCENT OF CUT
5) EXCAVATED EBS MATERIAL IS USUABLE IN FILLS OUTSIDE THE 1:1 SLOPE WHEN PROPOSED SLOPES ARE FLATTER THAN A 3:1
6) MASS ORDINATE: MASS ORDINATE = CUT+REDUCED EBS-SALVAGED/UNUSABLE PAVEMENT MATERIAL-EXPANDED FILL

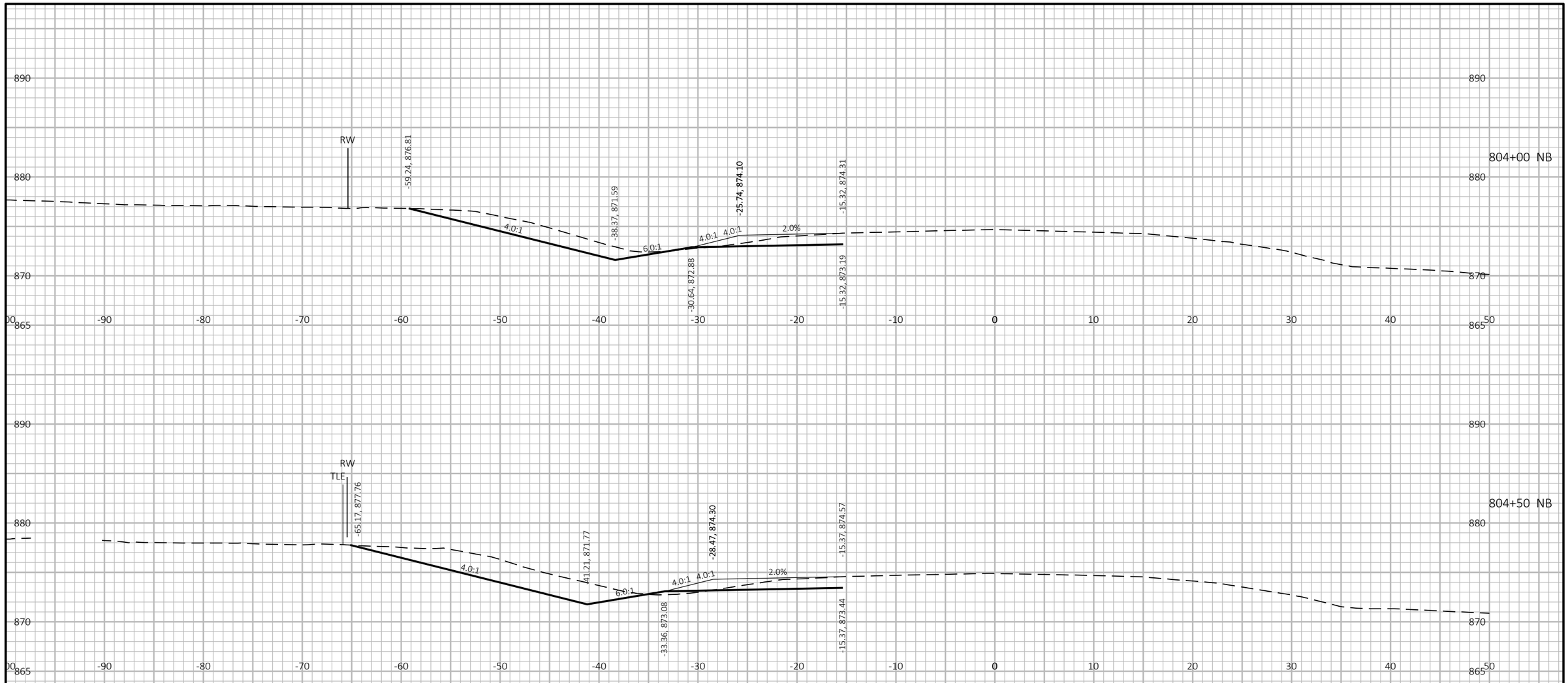


PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: STAGE 1	SHEET 356	E

FILE NAME : S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201-XS-S1.DWG
LAYOUT NAME - 090201-xs-s1-1

PLOT DATE : 7/18/2025 3:05 AM PLOT BY : JURECZEK, JESSIE PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

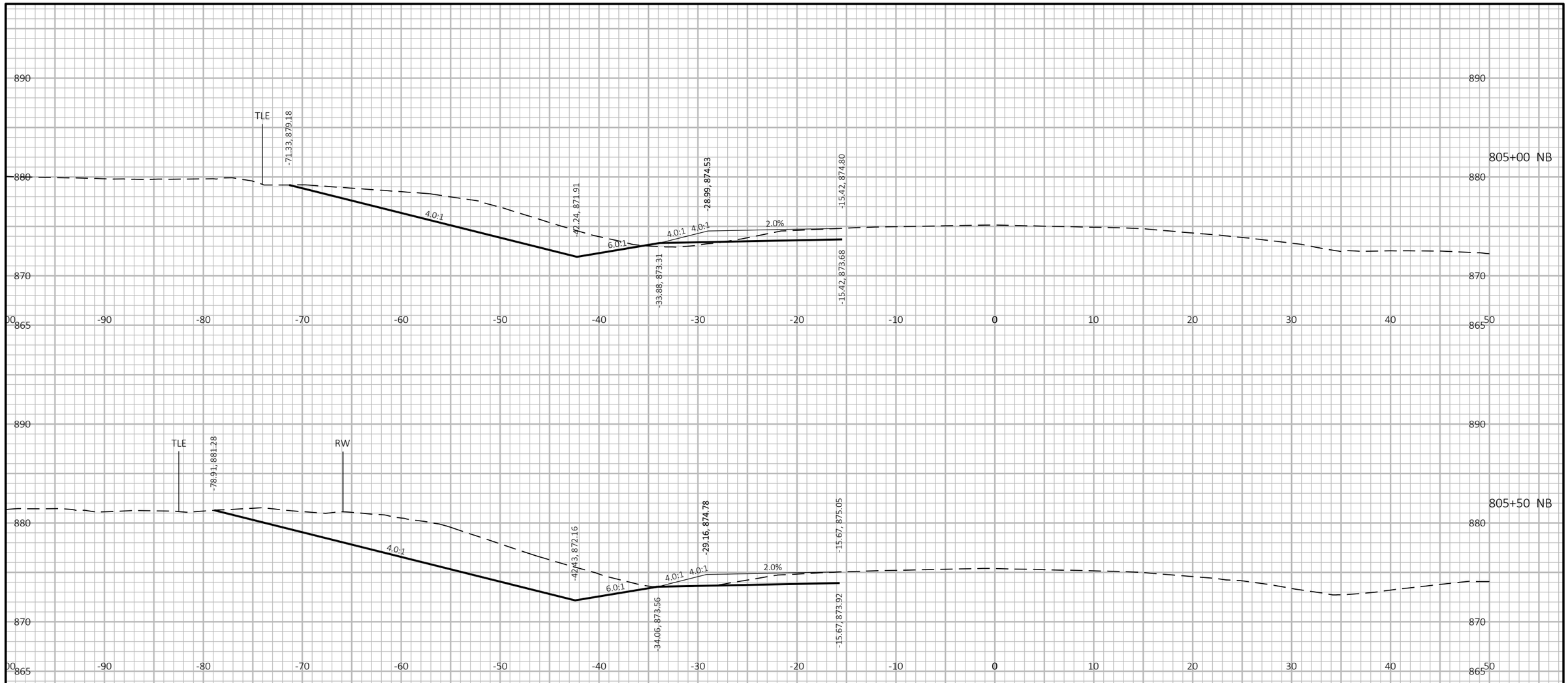


PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: STAGE 1	SHEET 357	E

FILE NAME : S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201-XS-S1.DWG
LAYOUT NAME - 090201-xs-s1-2

PLOT DATE : 7/18/2025 3:05 AM PLOT BY : JURECZEK, JESSIE PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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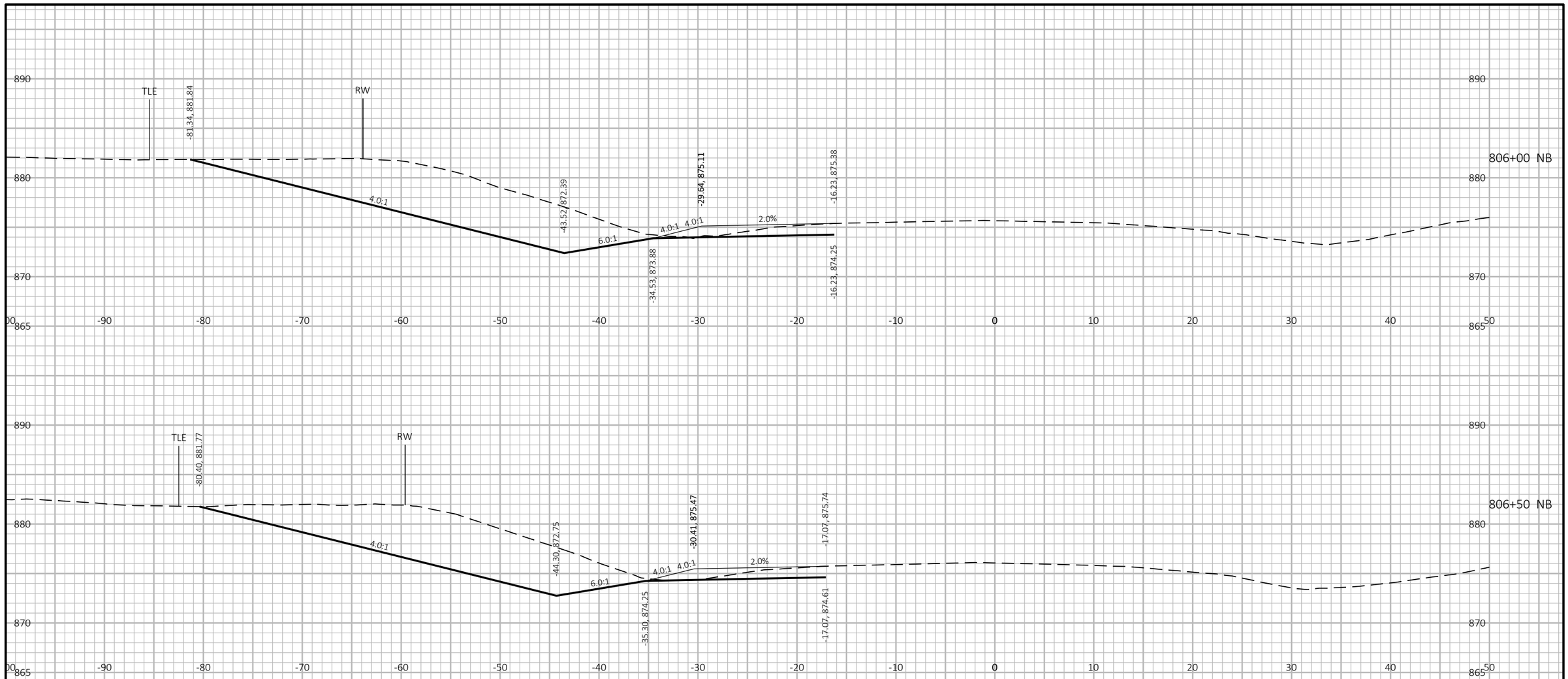
PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: STAGE 1	SHEET 358	E

FILE NAME : S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201-XS-S1.DWG
LAYOUT NAME - 090201-xs-s1-3

PLOT DATE : 7/18/2025 3:05 AM PLOT BY : JURECZEK, JESSIE PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

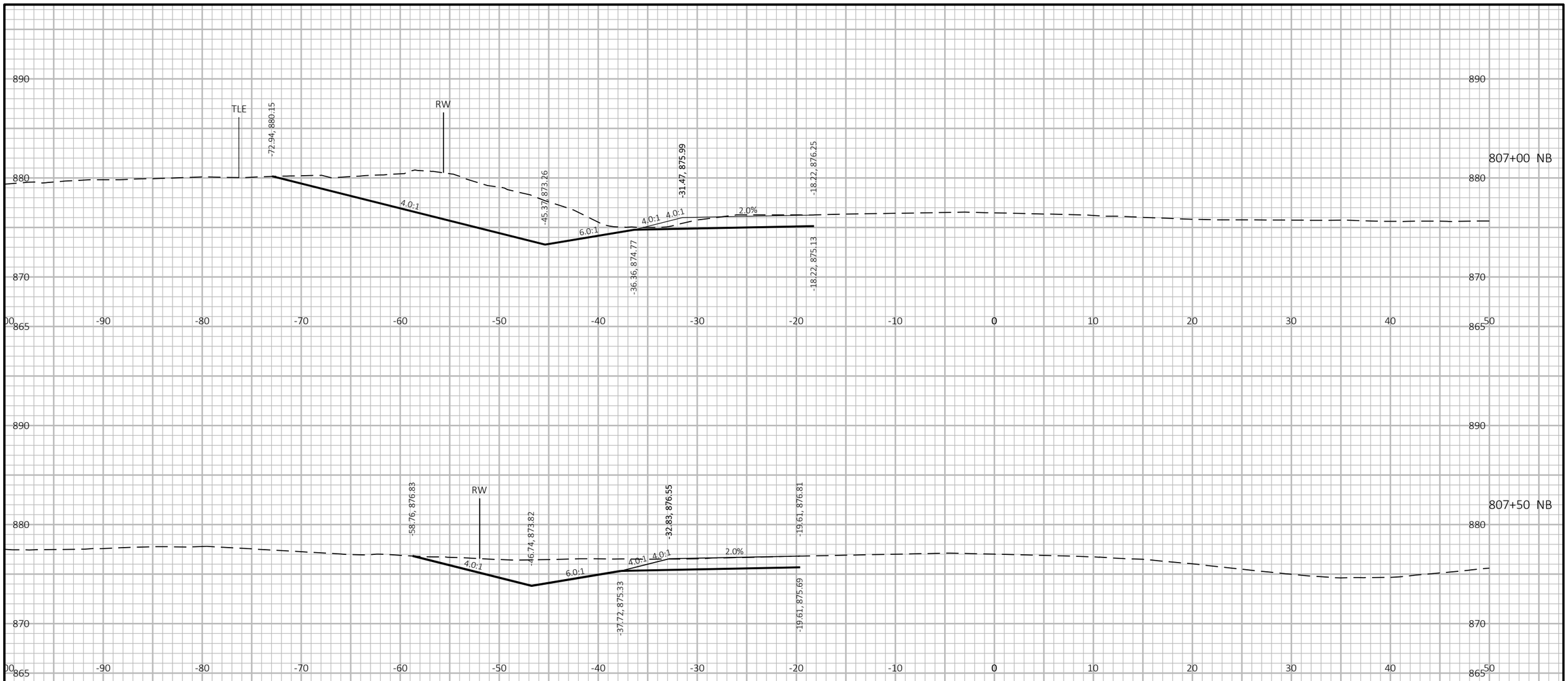


PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: STAGE 1	SHEET 359	E

FILE NAME : S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201-XS-S1.DWG
LAYOUT NAME - 090201-xs-s1-4

PLOT DATE : 7/18/2025 3:05 AM PLOT BY : JURECZEK, JESSIE PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

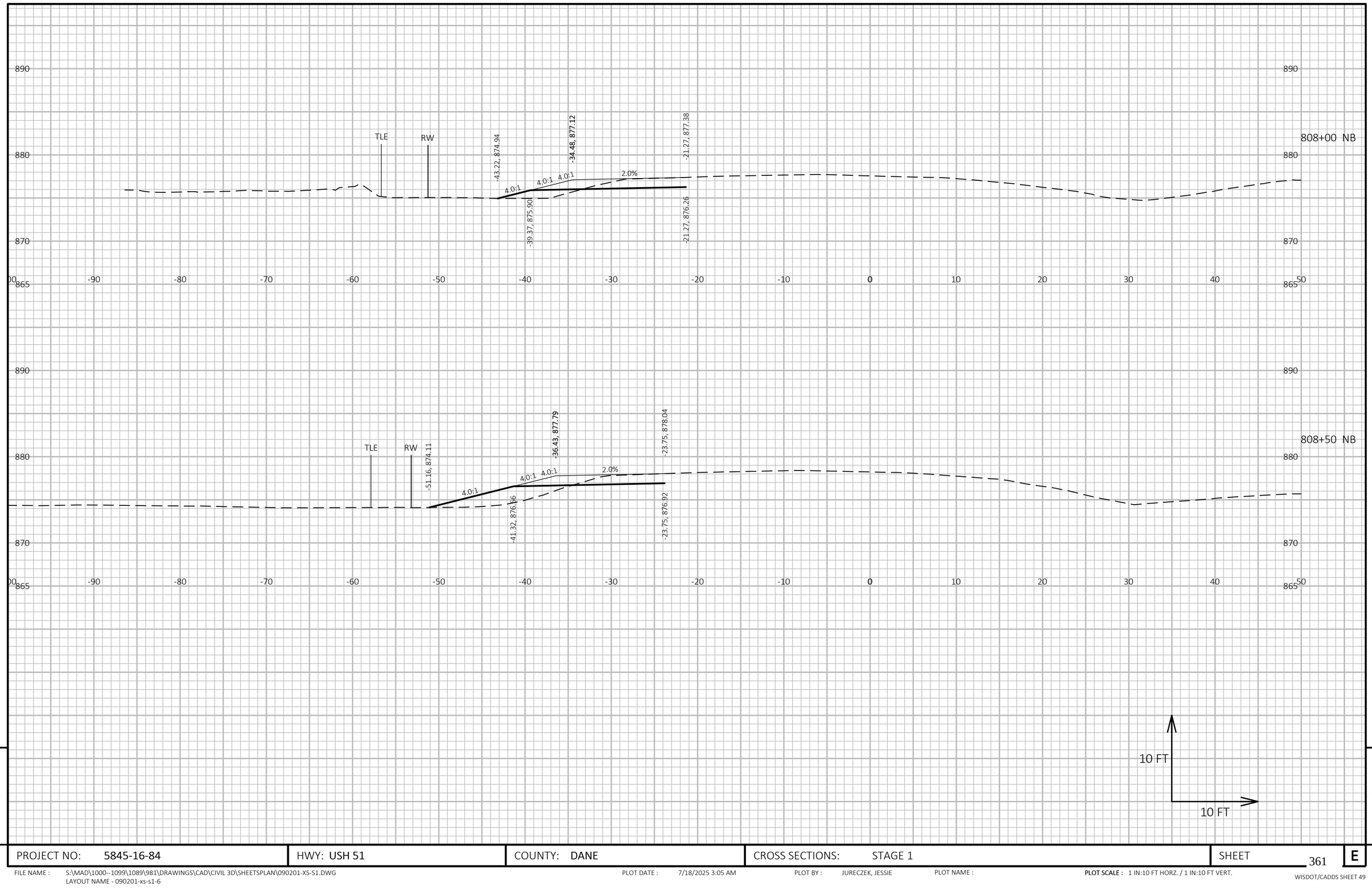


PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: STAGE 1	SHEET 360	E

FILE NAME : S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201-XS-S1.DWG
LAYOUT NAME - 090201-xs-s1-5

PLOT DATE : 7/18/2025 3:05 AM PLOT BY : JURECZEK, JESSIE PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



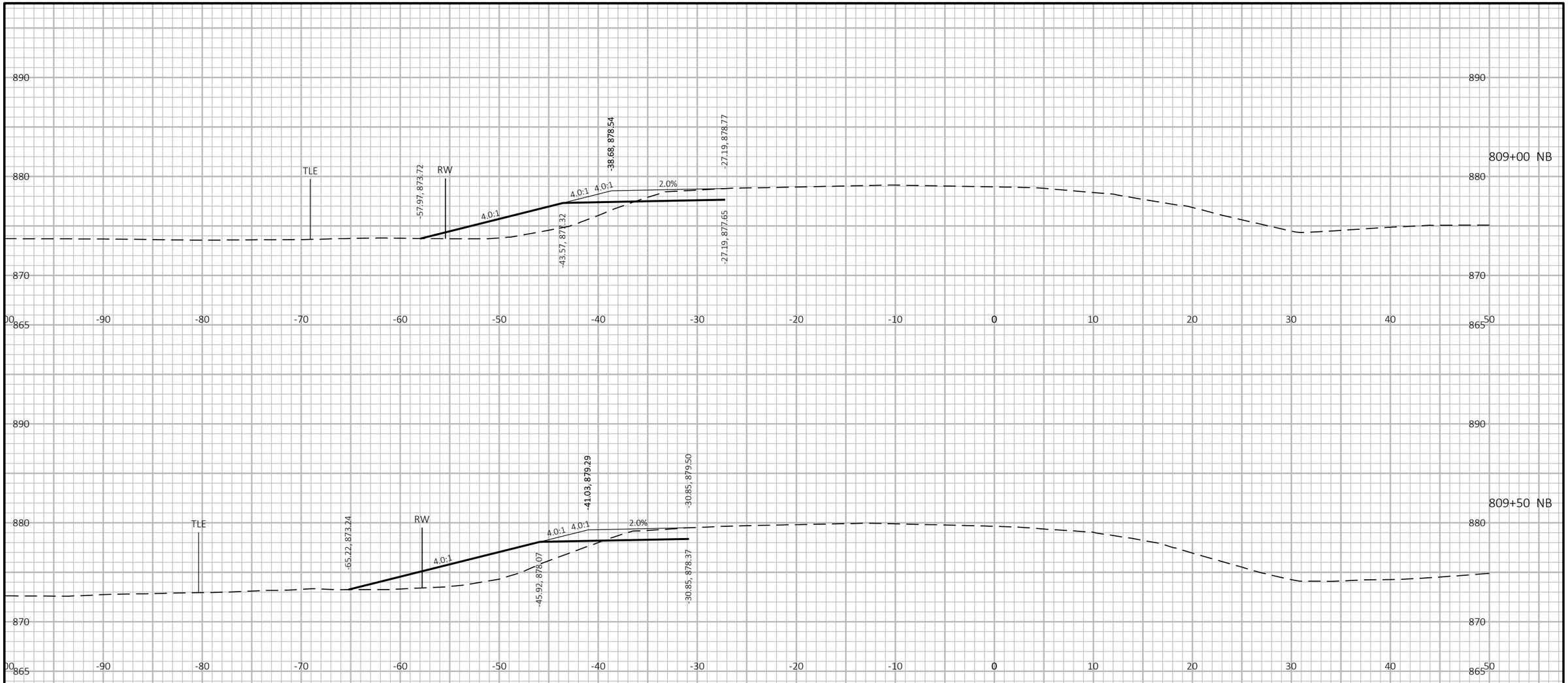
PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: STAGE 1	SHEET 361	E

FILE NAME : S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201-XS-S1.DWG
LAYOUT NAME - 090201-xs-s1-6

PLOT DATE : 7/18/2025 3:05 AM PLOT BY : JURECZEK, JESSIE PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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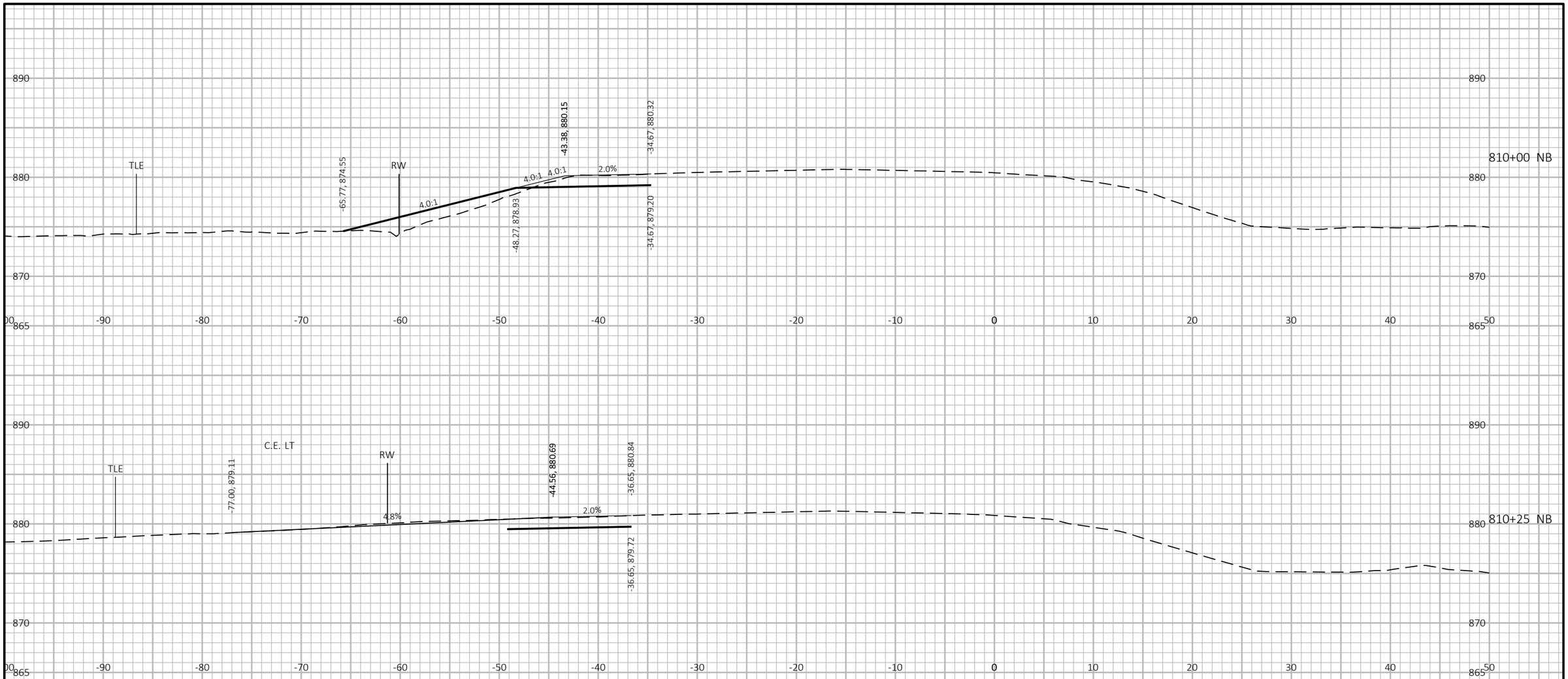
PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: STAGE 1	SHEET 362	E

FILE NAME : S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201-XS-S1.DWG
LAYOUT NAME - 090201-xs-s1-7

PLOT DATE : 7/18/2025 3:05 AM PLOT BY : JURECZEK, JESSIE PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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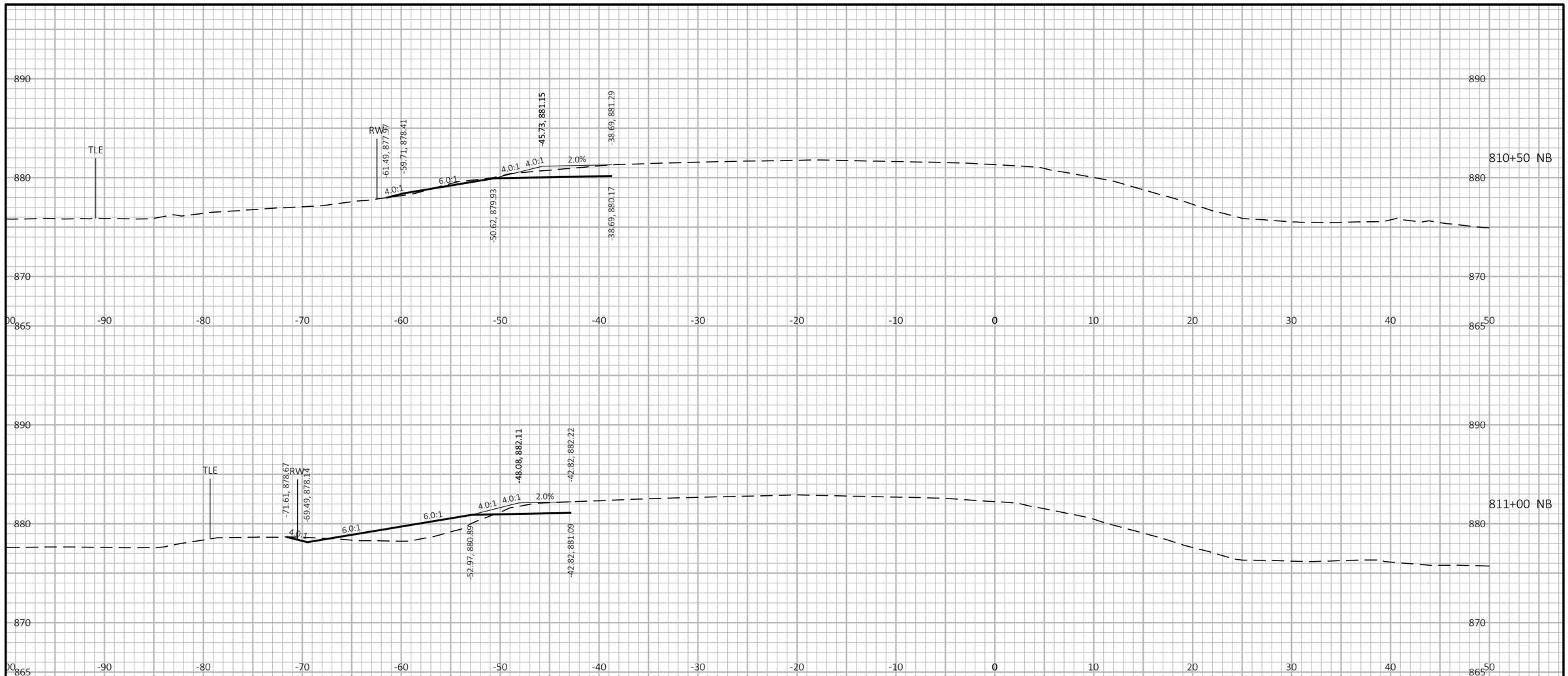
PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: STAGE 1	SHEET 363	E

FILE NAME : S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201-XS-S1.DWG
LAYOUT NAME - 090201-xs-s1-8

PLOT DATE : 7/18/2025 3:05 AM PLOT BY : JURECZEK, JESSIE PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: STAGE 1	SHEET 364	E

FILE NAME : S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201-XS-S1.DWG
LAYOUT NAME - 090201-xs-s1-9

PLOT DATE : 7/18/2025 3:05 AM PLOT BY : JURECZEK, JESSIE PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

811+50 NB

RW

-64.91, 881.27

-61.88, 880.51

-47.92, 883.24

-44.37, 883.32

4.0:1 4.0:1 2.0%

4.0:1

6.0:1

-52.81, 882.02

-44.37, 882.19

900 890 880 875

-90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50

812+00 NB

RW

-65.72, 882.68

-47.28, 884.58

-45.53, 884.62

20.0:1

4.0:1 4.0:1 2.0%

-52.18, 883.36

-45.53, 883.49

900 890 880 875

-90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50

10 FT

10 FT

9

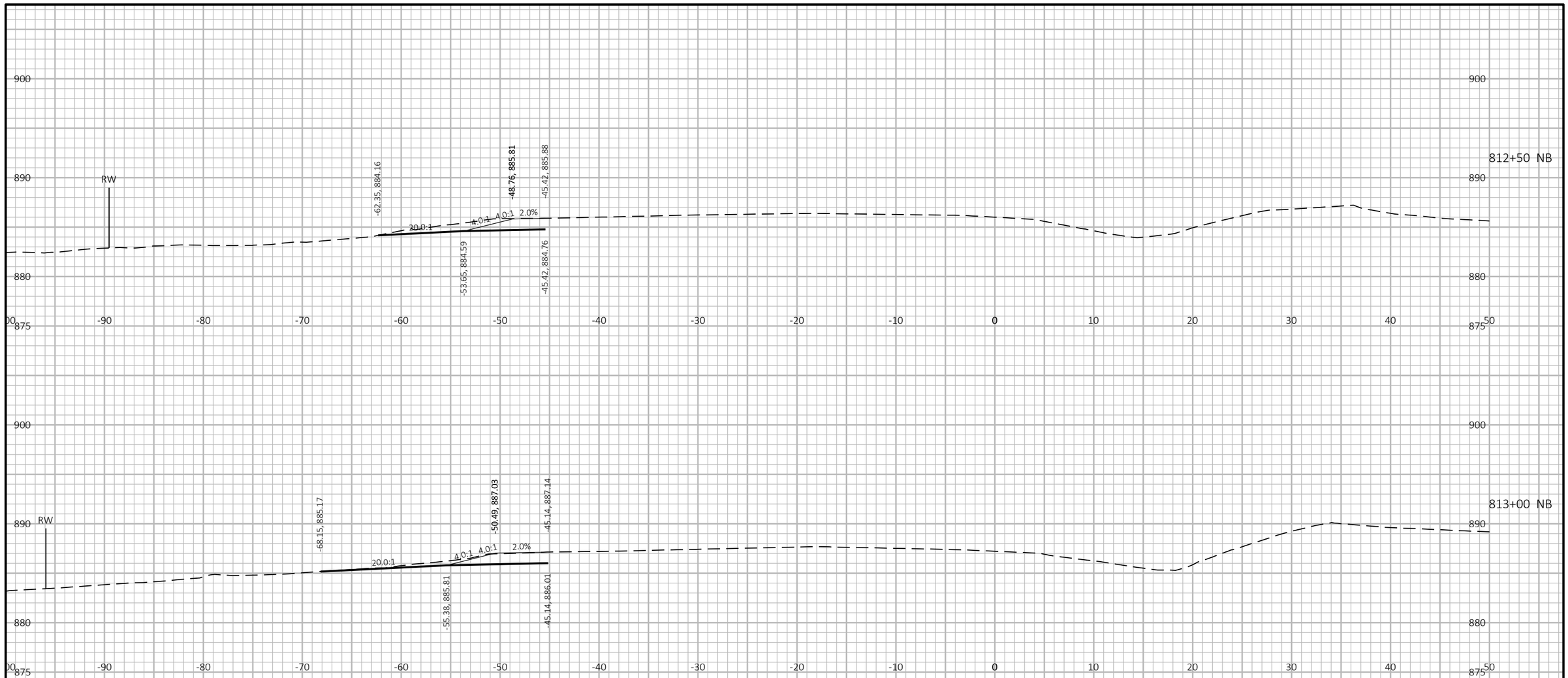
9

PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: STAGE 1	SHEET 365	E

FILE NAME : S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201-XS-S1.DWG
LAYOUT NAME - 090201-xs-s1-10

PLOT DATE : 7/18/2025 3:05 AM PLOT BY : JURECZEK, JESSIE PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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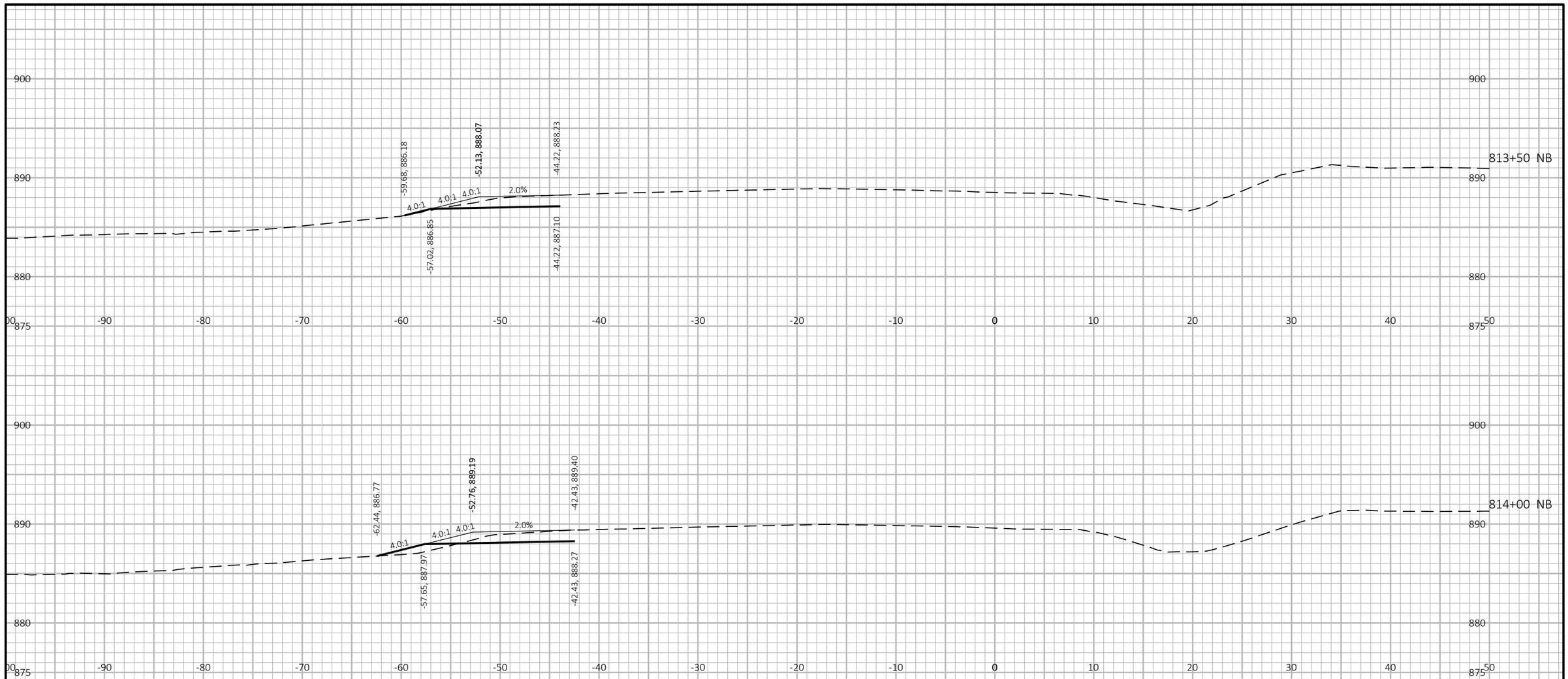
PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: STAGE 1	SHEET 366	E

FILE NAME : S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201-XS-S1.DWG
LAYOUT NAME - 090201-xs-s1-11

PLOT DATE : 7/18/2025 3:05 AM PLOT BY : JURECZEK, JESSIE PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

9



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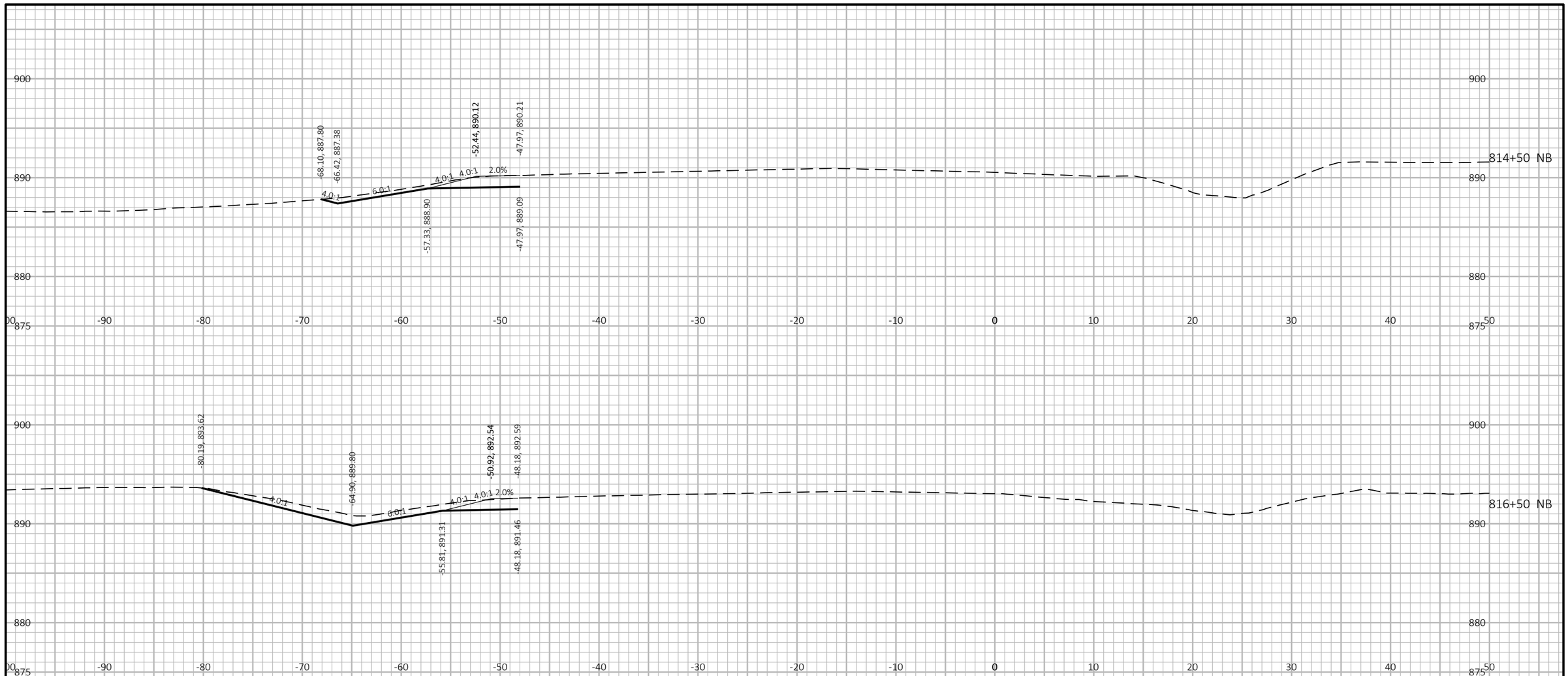
PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: STAGE 1	SHEET 367	E

FILE NAME : S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201-XS-S1.DWG
LAYOUT NAME - 090201-xs-s1-12

PLOT DATE : 7/18/2025 3:05 AM PLOT BY : JURECZEK, JESSIE PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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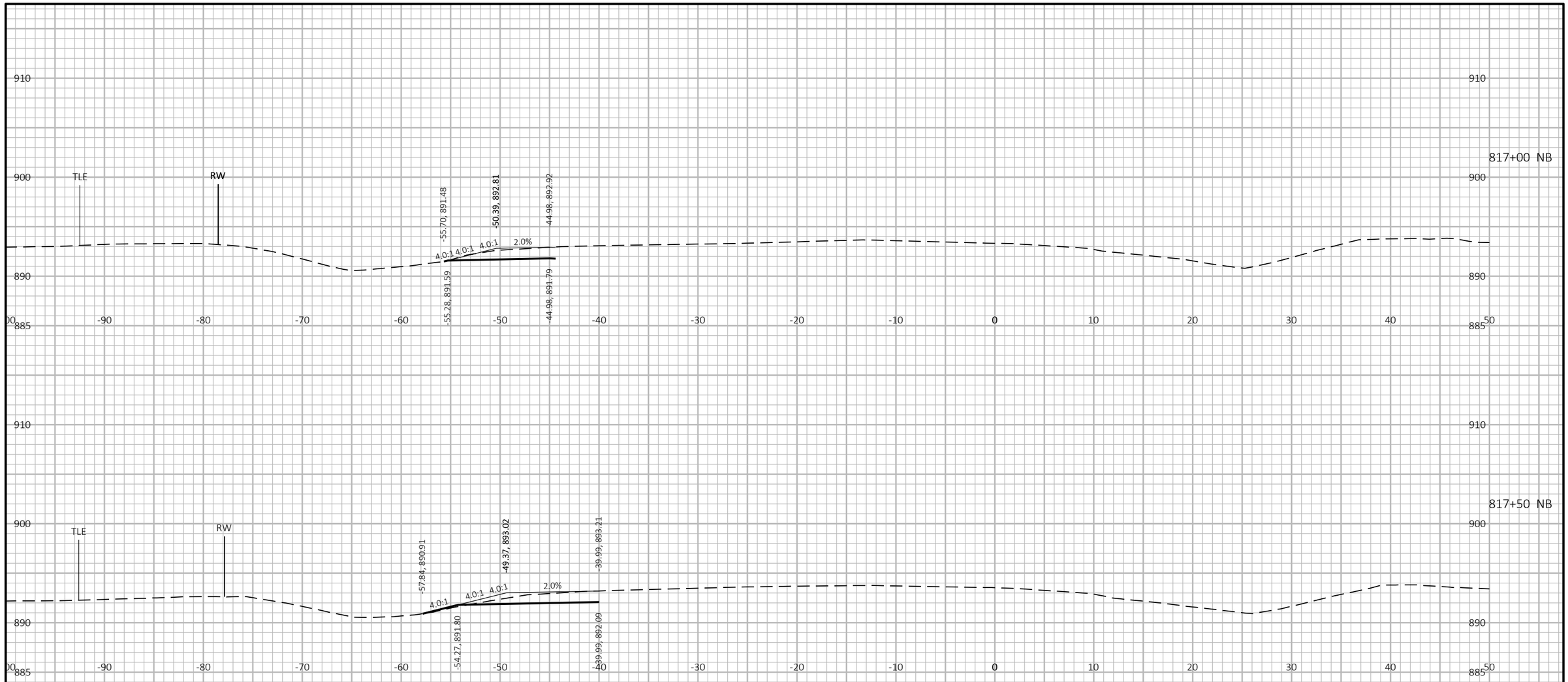
PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: STAGE 1	SHEET 368	E

FILE NAME : S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201-XS-S1.DWG
LAYOUT NAME - 090201-xs-s1-13

PLOT DATE : 7/18/2025 3:05 AM PLOT BY : JURECZEK, JESSIE PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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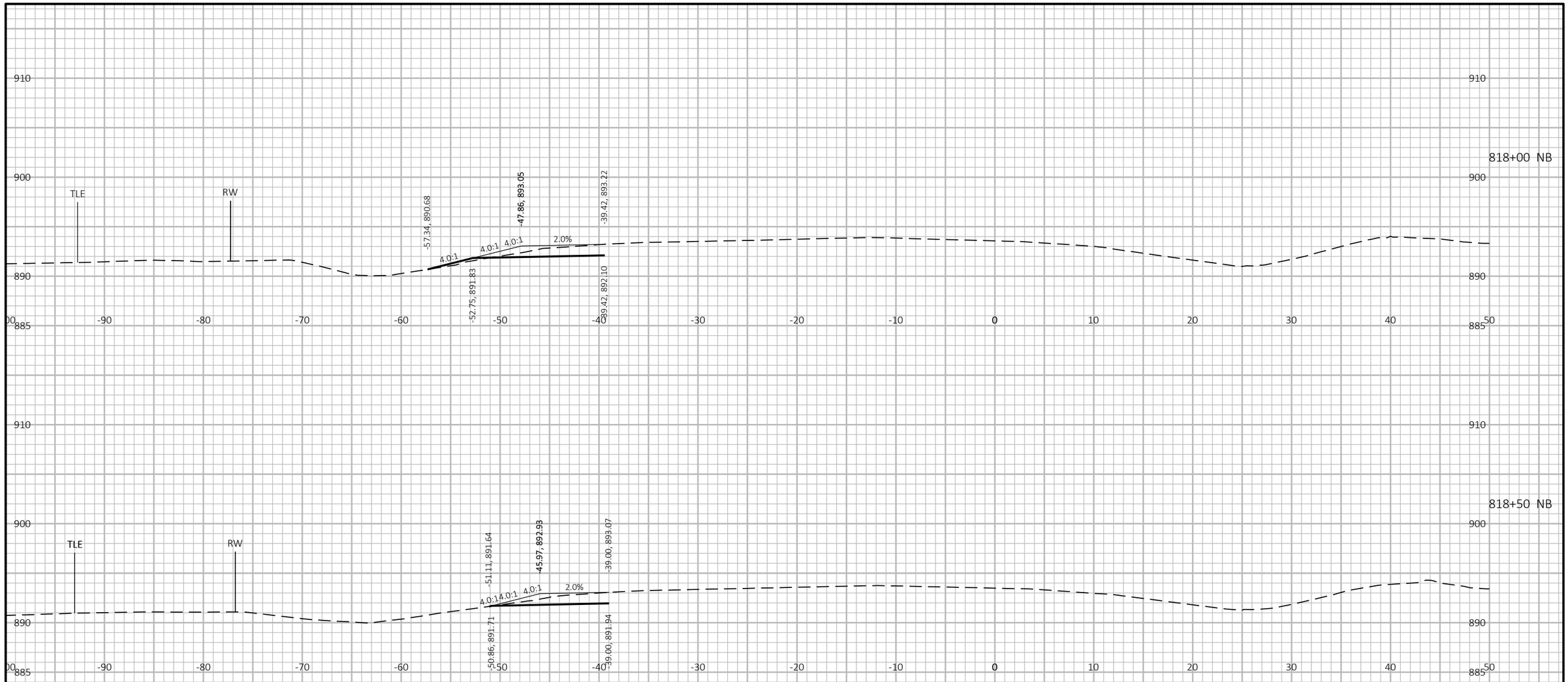
PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: STAGE 1	SHEET 369	E

FILE NAME : S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201-XS-S1.DWG
LAYOUT NAME - 090201-xs-s1-14

PLOT DATE : 7/18/2025 3:05 AM PLOT BY : JURECZEK, JESSIE PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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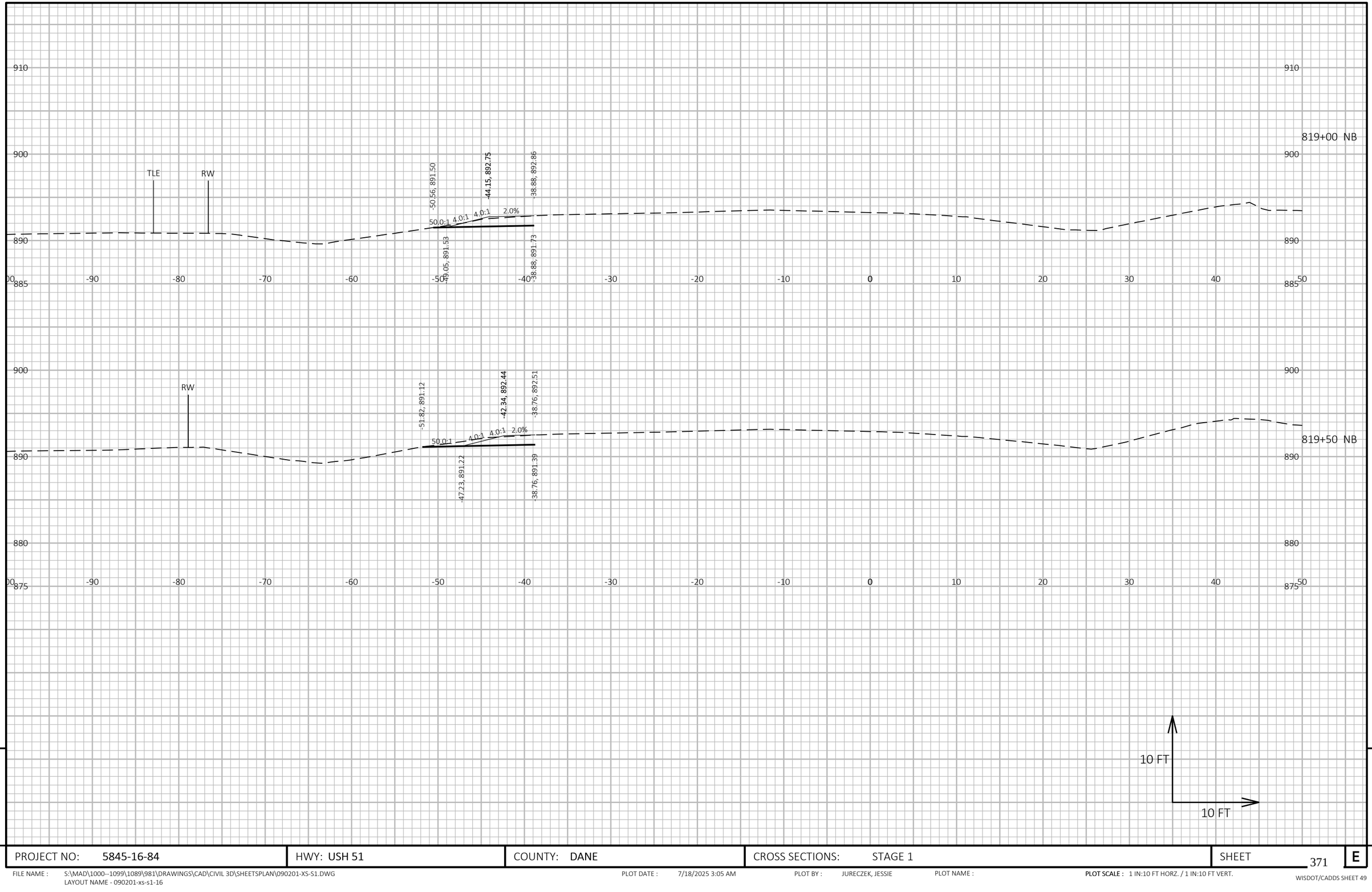
PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: STAGE 1	SHEET 370	E

FILE NAME : S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201-XS-S1.DWG
LAYOUT NAME - 090201-xs-s1-15

PLOT DATE : 7/18/2025 3:05 AM PLOT BY : JURECZEK, JESSIE PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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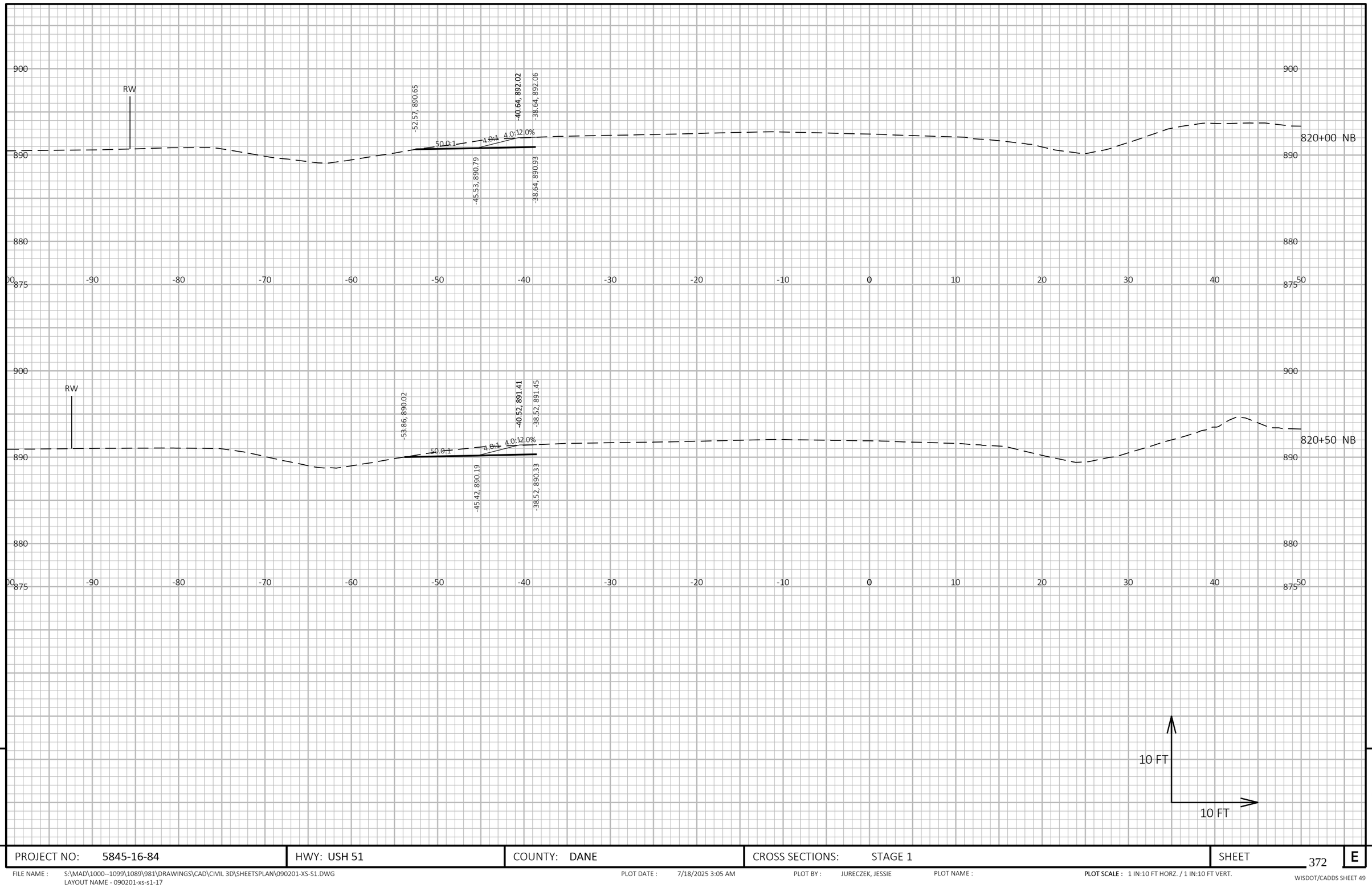
PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: STAGE 1	SHEET 371	E

FILE NAME : S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201-XS-S1.DWG
LAYOUT NAME - 090201-xs-s1-16

PLOT DATE : 7/18/2025 3:05 AM PLOT BY : JURECZEK, JESSIE PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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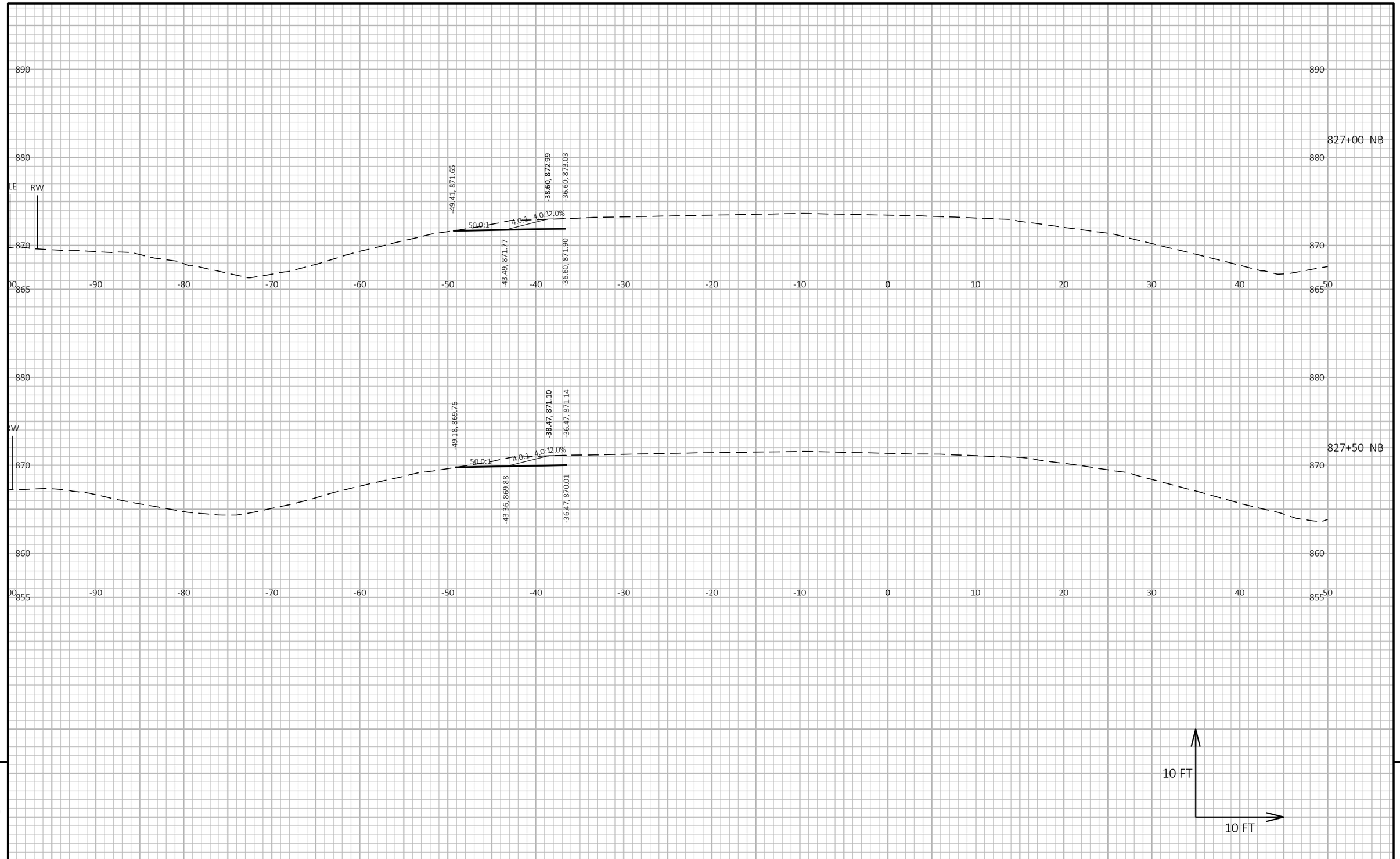
PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: STAGE 1	SHEET 372	E

FILE NAME : S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201-XS-S1.DWG
LAYOUT NAME - 090201-xs-s1-17

PLOT DATE : 7/18/2025 3:05 AM PLOT BY : JURECZEK, JESSIE PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



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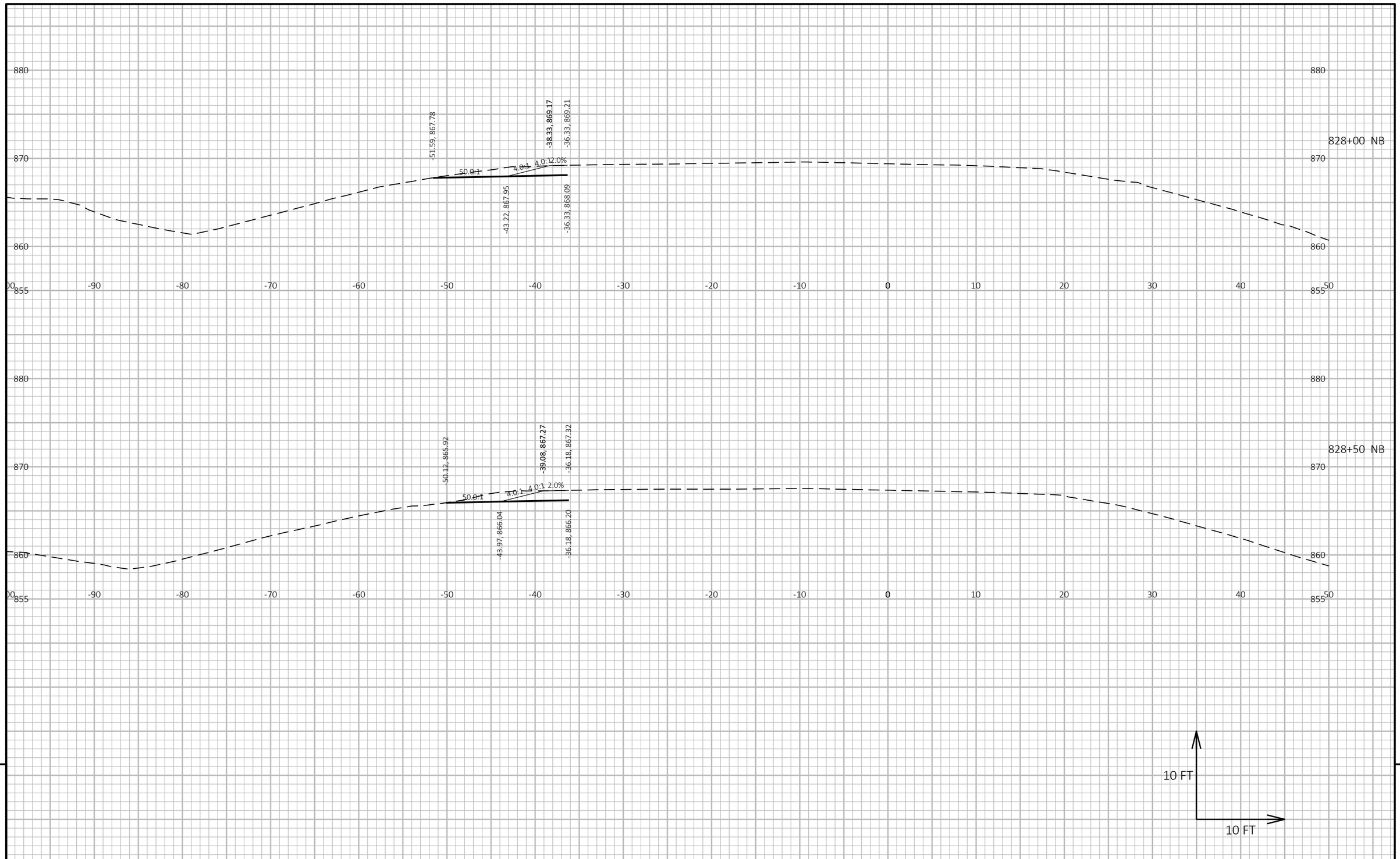
PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: STAGE 1	SHEET 373	E

FILE NAME : S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201-XS-S1.DWG
LAYOUT NAME - 090201-xs-s1-18

PLOT DATE : 7/18/2025 3:05 AM PLOT BY : JURECZEK, JESSIE PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



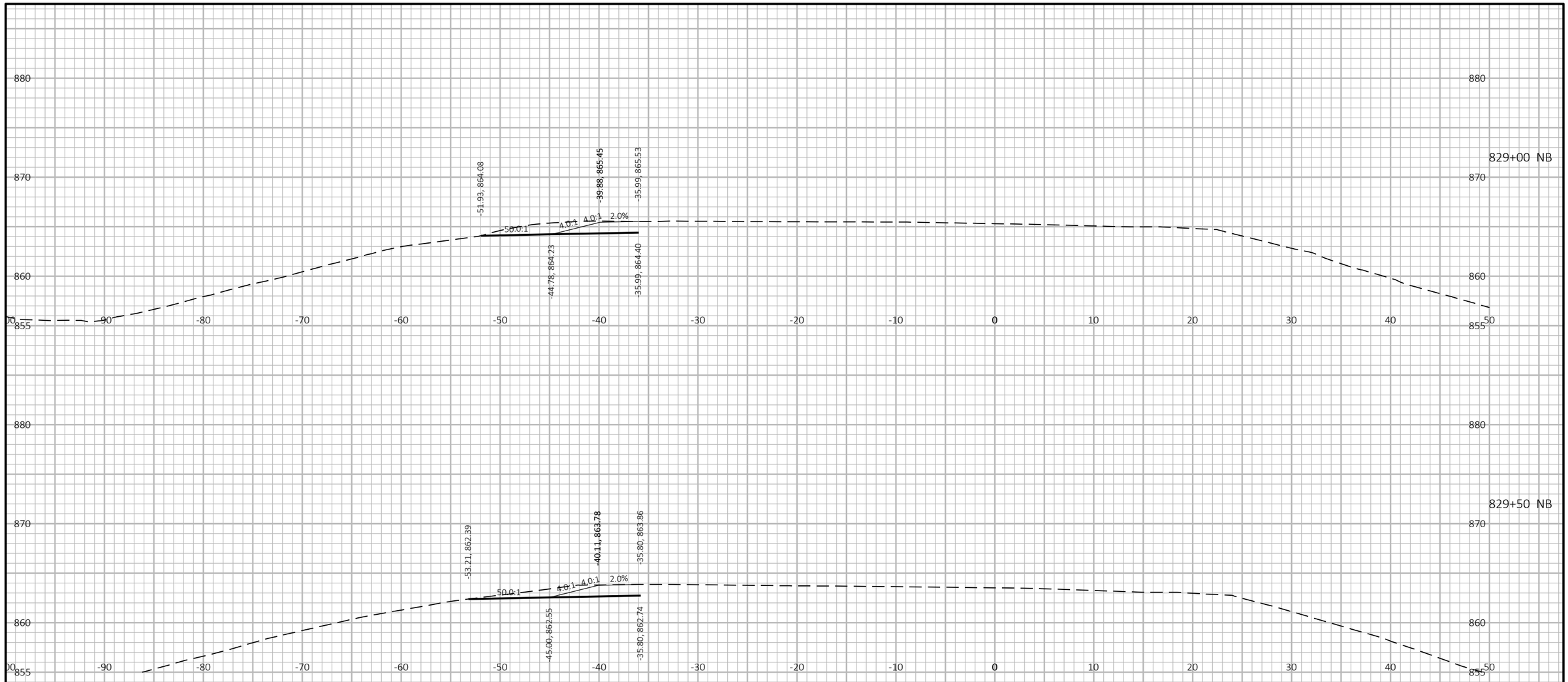
PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: STAGE 1	SHEET 374	E

FILE NAME : S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201-XS-S1.DWG
LAYOUT NAME - 090201-xs-s1-19

PLOT DATE : 7/18/2025 3:05 AM PLOT BY : JURECZEK, JESSIE PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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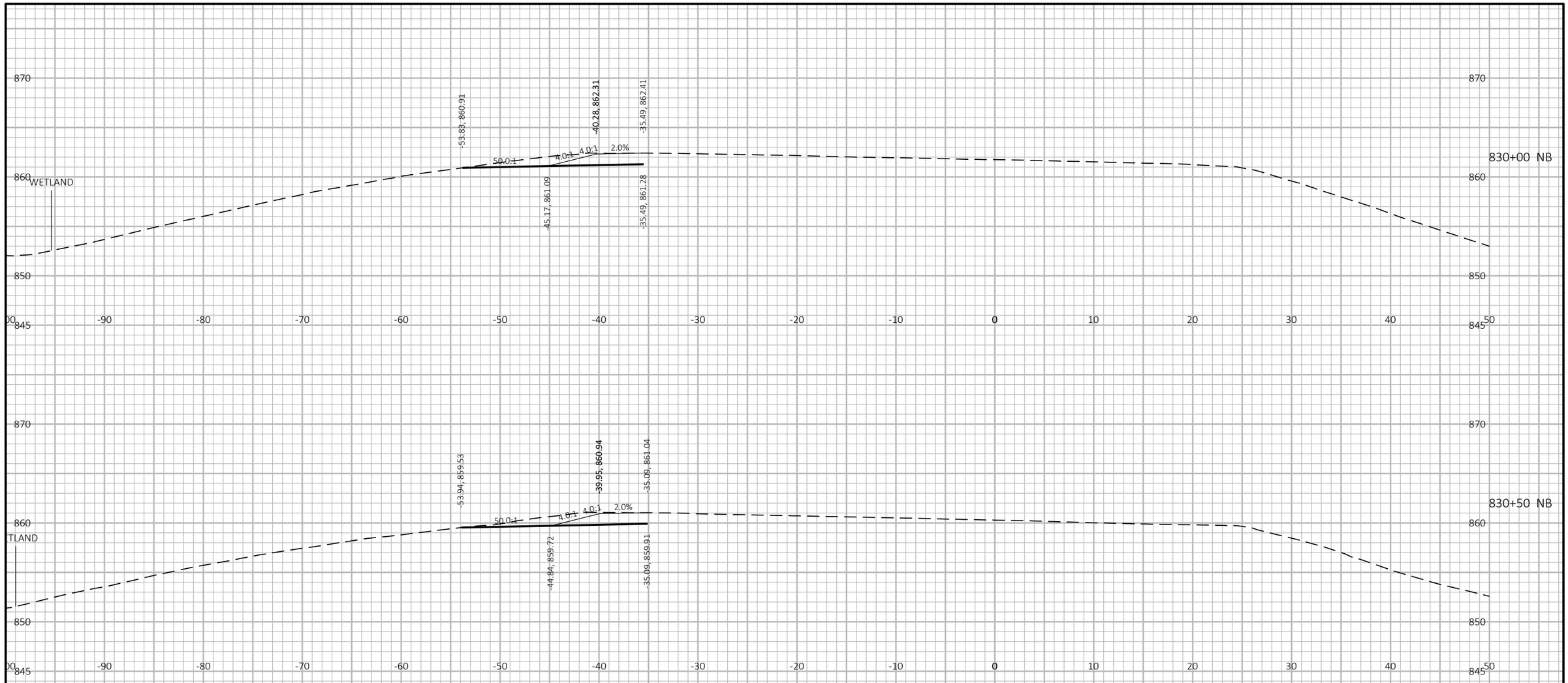
PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: STAGE 1	SHEET 375	E

FILE NAME : S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201-XS-S1.DWG
LAYOUT NAME - 090201-xs-s1-20

PLOT DATE : 7/18/2025 3:05 AM PLOT BY : JURECZEK, JESSIE PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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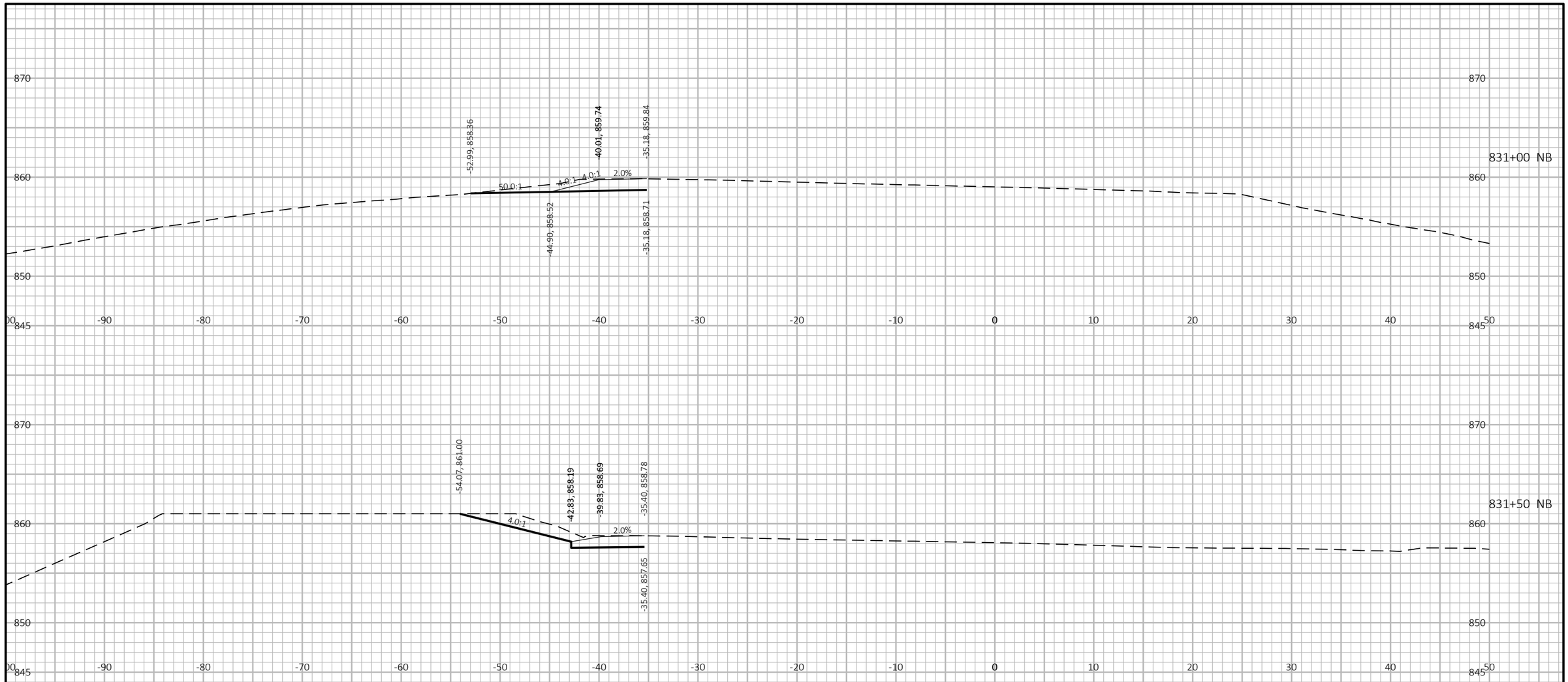
9

PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: STAGE 1	SHEET 376	E

FILE NAME : S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201-XS-S1.DWG
LAYOUT NAME - 090201-xs-s1-21

PLOT DATE : 7/18/2025 3:05 AM PLOT BY : JURECZEK, JESSIE PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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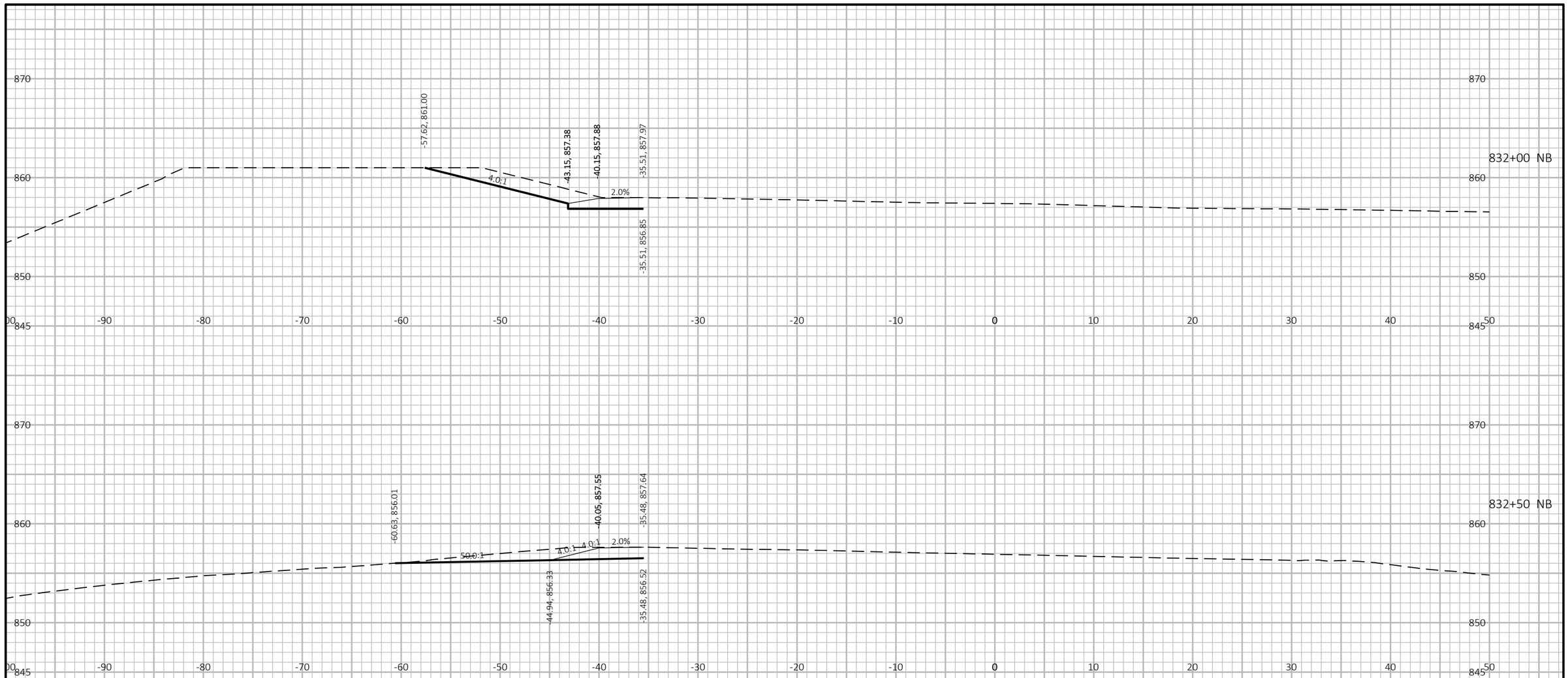
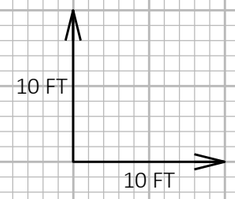
PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: STAGE 1	SHEET 377	E

FILE NAME : S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201-XS-S1.DWG
LAYOUT NAME - 090201-xs-s1-22

PLOT DATE : 7/18/2025 9:46 AM PLOT BY : JURECZEK, JESSIE PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49





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9

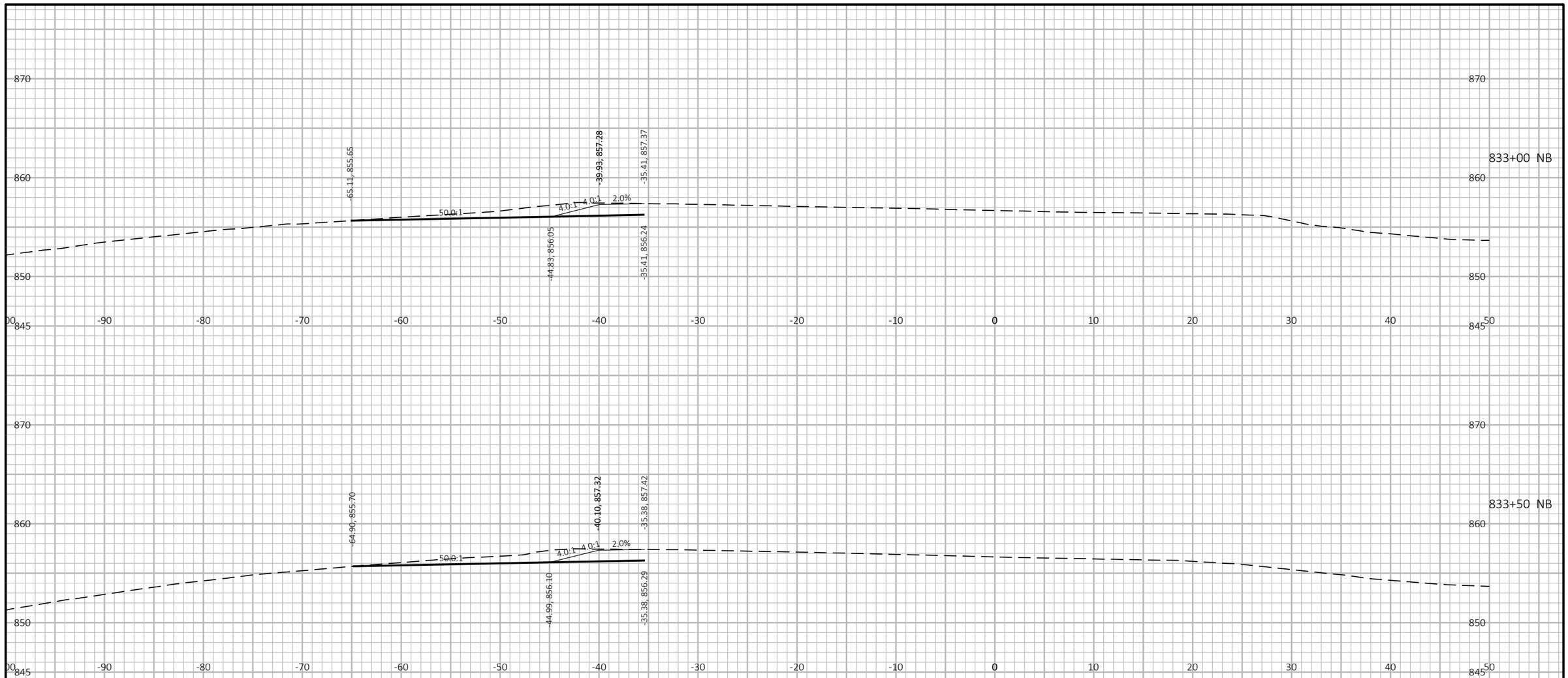
PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: STAGE 1	SHEET 378	E

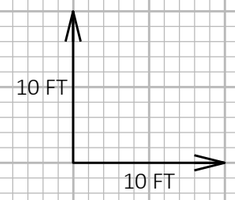
FILE NAME : S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201-XS-S1.DWG
LAYOUT NAME - 090201-xs-s1-23

PLOT DATE : 7/18/2025 10:17 AM PLOT BY : JURECZEK, JESSIE PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49





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9

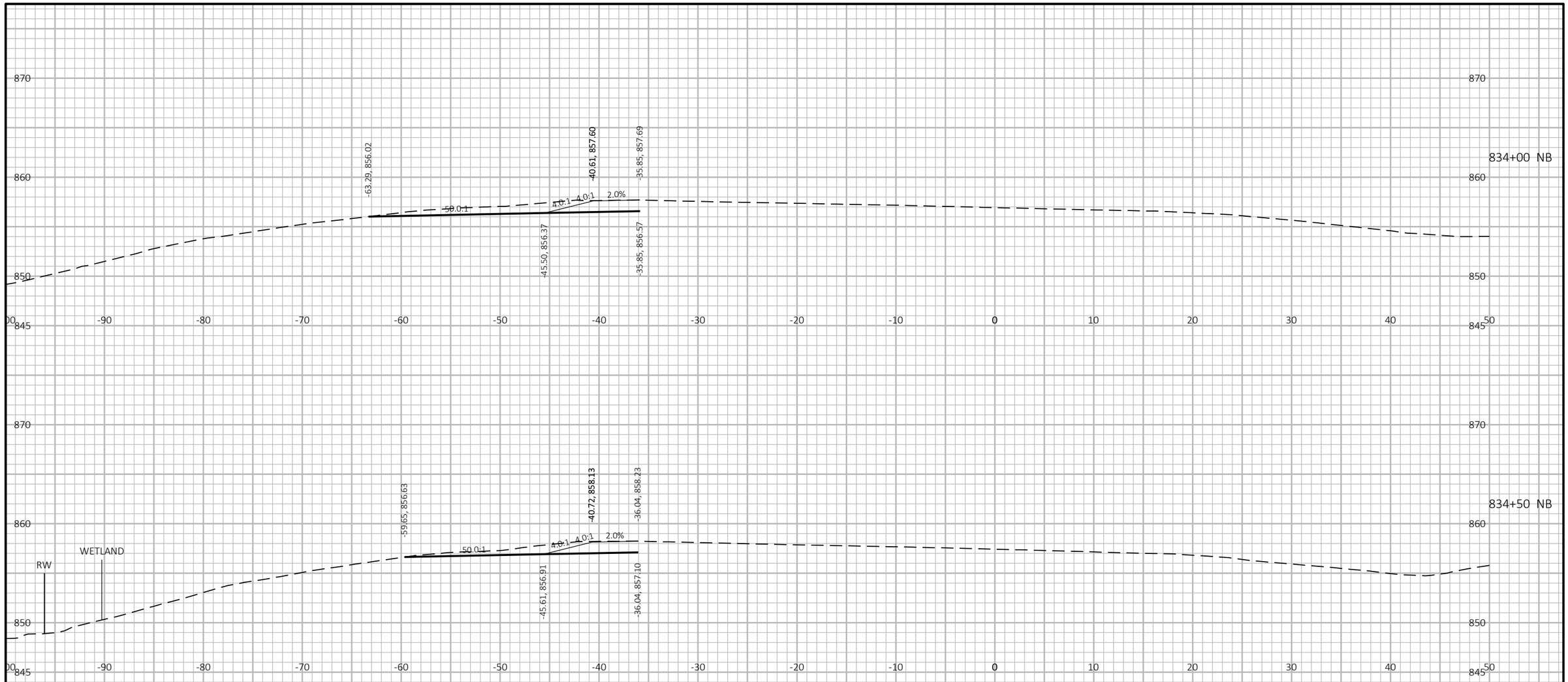
PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: STAGE 1	SHEET 379	E

FILE NAME : S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201-XS-S1.DWG
LAYOUT NAME - 090201-xs-s1-24

PLOT DATE : 7/18/2025 3:05 AM PLOT BY : JURECZEK, JESSIE PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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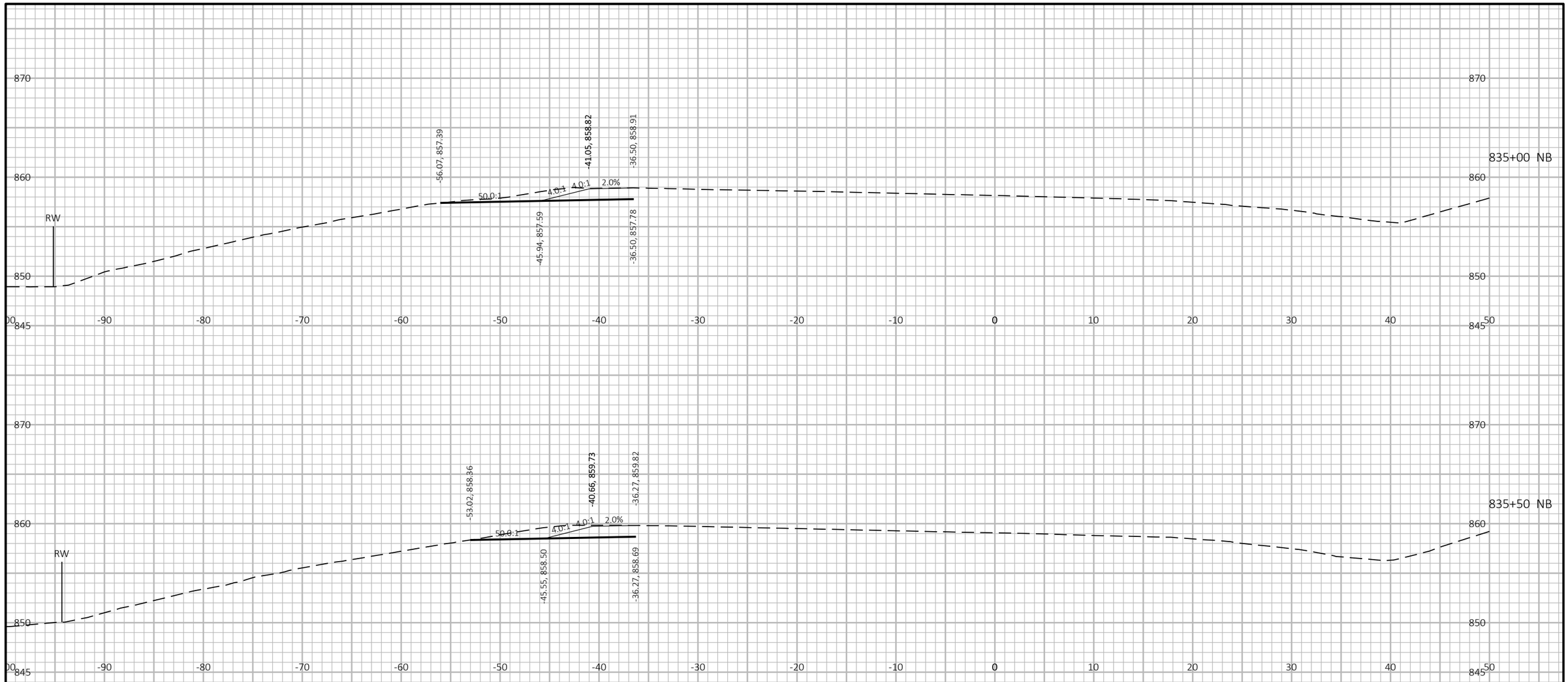
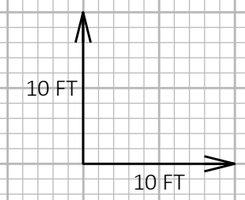
PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: STAGE 1	SHEET 380	E

FILE NAME : S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201-XS-S1.DWG
LAYOUT NAME - 090201-xs-s1-25

PLOT DATE : 7/18/2025 3:05 AM PLOT BY : JURECZEK, JESSIE PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49





9

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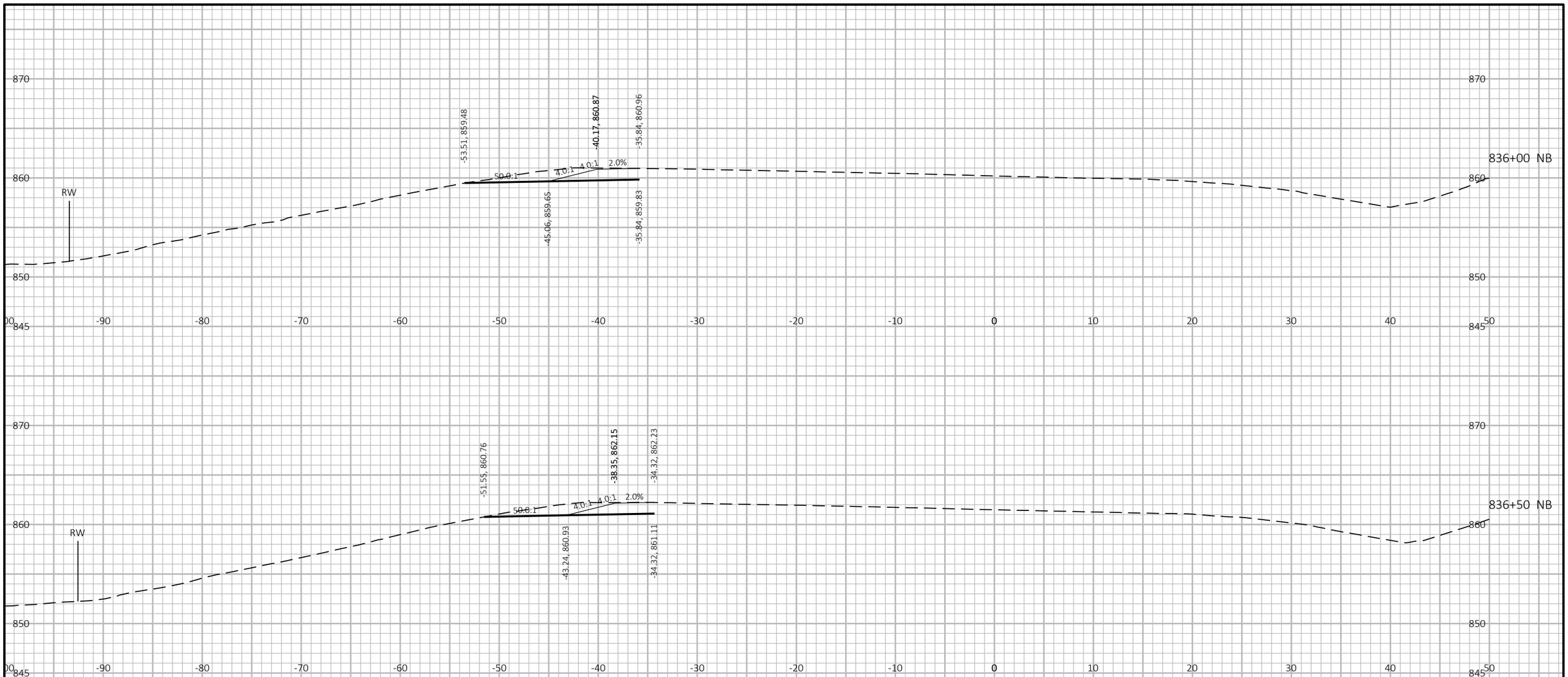
PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: STAGE 1	SHEET 381	E

FILE NAME : S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201-XS-S1.DWG
LAYOUT NAME - 090201-xs-s1-26

PLOT DATE : 7/18/2025 3:06 AM PLOT BY : JURECZEK, JESSIE PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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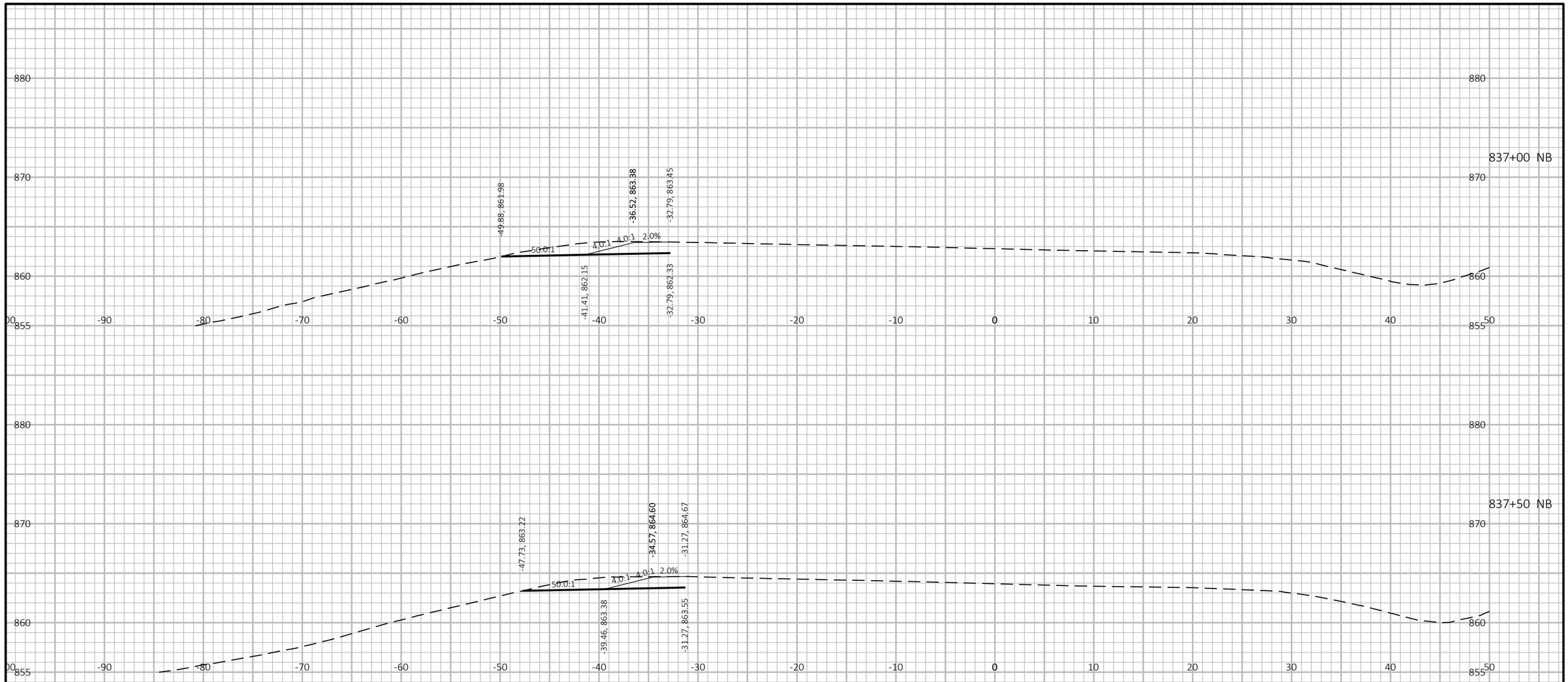
9

PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: STAGE 1	SHEET 382	E

FILE NAME : S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201-XS-S1.DWG
LAYOUT NAME - 090201-xs-s1-27

PLOT DATE : 7/18/2025 3:06 AM PLOT BY : JURECZEK, JESSIE PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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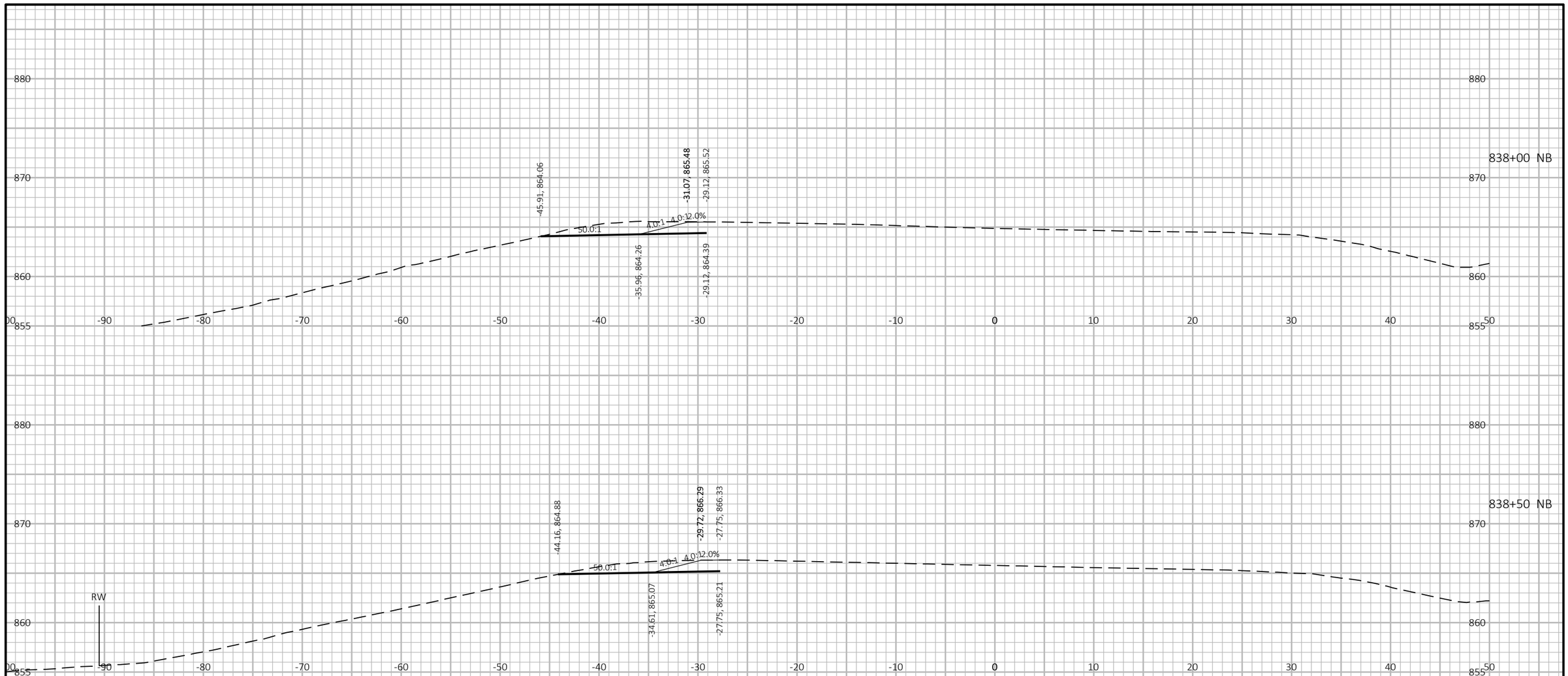
PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: STAGE 1	SHEET 383	E

FILE NAME : S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201-XS-S1.DWG
LAYOUT NAME - 090201-xs-s1-28

PLOT DATE : 7/18/2025 3:06 AM PLOT BY : JURECZEK, JESSIE PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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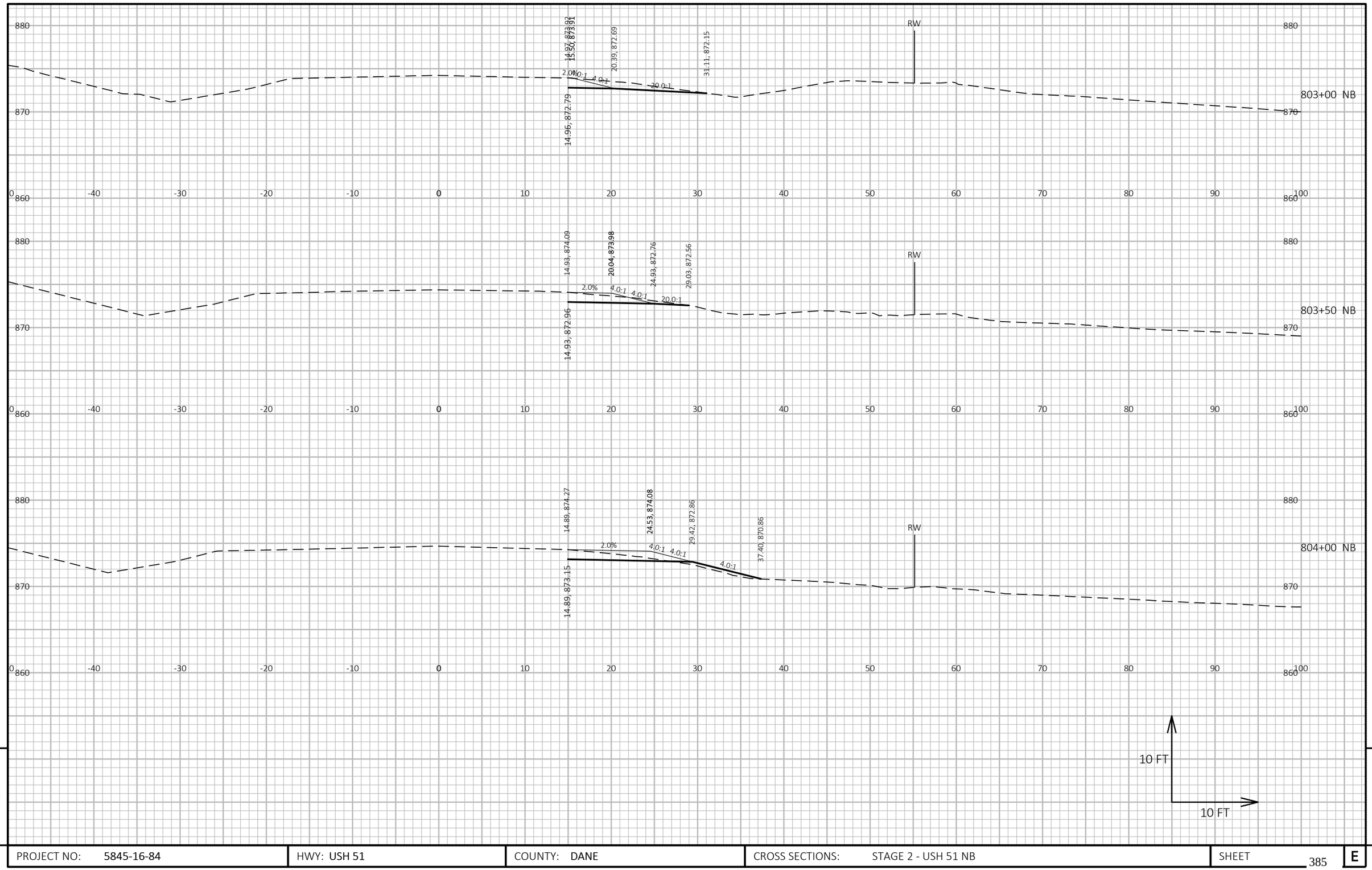
PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: STAGE 1	SHEET 384	E

FILE NAME : S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201-XS-S1.DWG
LAYOUT NAME - 090201-xs-s1-29

PLOT DATE : 7/18/2025 3:06 AM PLOT BY : JURECZEK, JESSIE PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: STAGE 2 - USH 51 NB	SHEET 385	E

FILE NAME : S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201-XS-S2.DWG
LAYOUT NAME - 090201-xs-nb-s2-1

PLOT DATE : 7/18/2025 3:05 AM

PLOT BY : JURECZEK, JESSIE

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

804+50 NB

14.86, 874.55
27.39, 874.29
32.28, 873.07
39.28, 871.32
14.86, 873.42
2.0%
4.0:1
4.0:1
4.0:1
RW

805+00 NB

0.00, 875.10
12.00, 874.86
15.76, 874.71
28.00, 874.47
32.89, 873.25
38.28, 871.90
40.15, 872.52
0.00, 873.94
2.0%
2.0%
2.0%
4.0:1
4.0:1
4.0:1
3.0:1
RW

805+50 NB

0.00, 875.35
12.00, 875.11
18.00, 874.87
28.00, 874.67
32.89, 873.45
38.10, 872.15
41.98, 873.44
0.00, 874.19
2.0%
2.0%
2.0%
4.0:1
4.0:1
4.0:1
3.0:1
RW TLE

10 FT
10 FT

PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: STAGE 2 - USH 51 NB	SHEET 386	E

FILE NAME : S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201-XS-S2.DWG
LAYOUT NAME - 090201-xs-nb-s2-2

PLOT DATE : 7/18/2025 3:05 AM PLOT BY : JURECZEK, JESSIE PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

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PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: STAGE 2 - USH 51 NB	SHEET 387	E

FILE NAME : S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201-XS-S2.DWG
LAYOUT NAME - 090201-xs-nb-s2-3

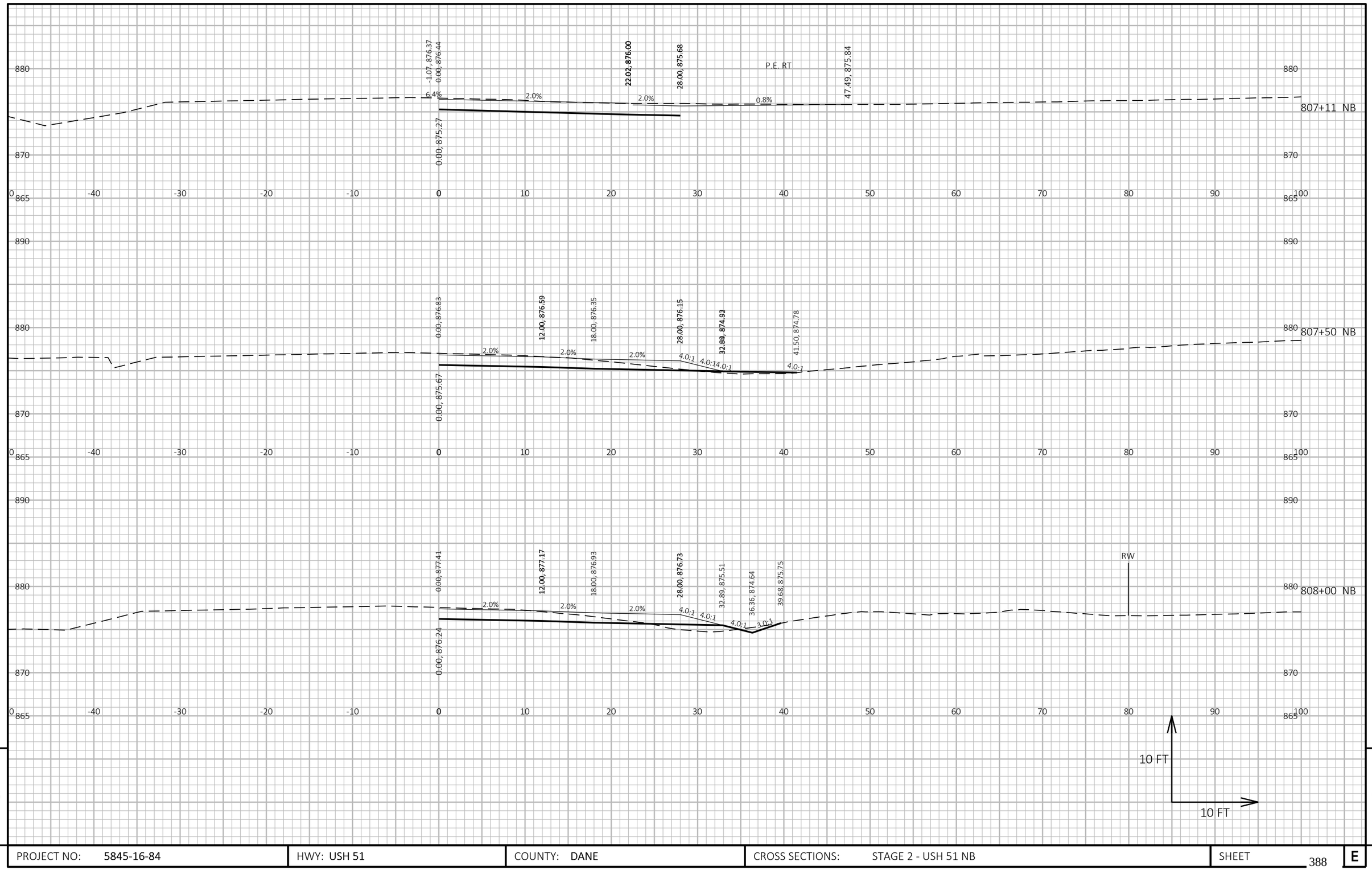
PLOT DATE : 7/18/2025 3:05 AM

PLOT BY : JURECZEK, JESSIE

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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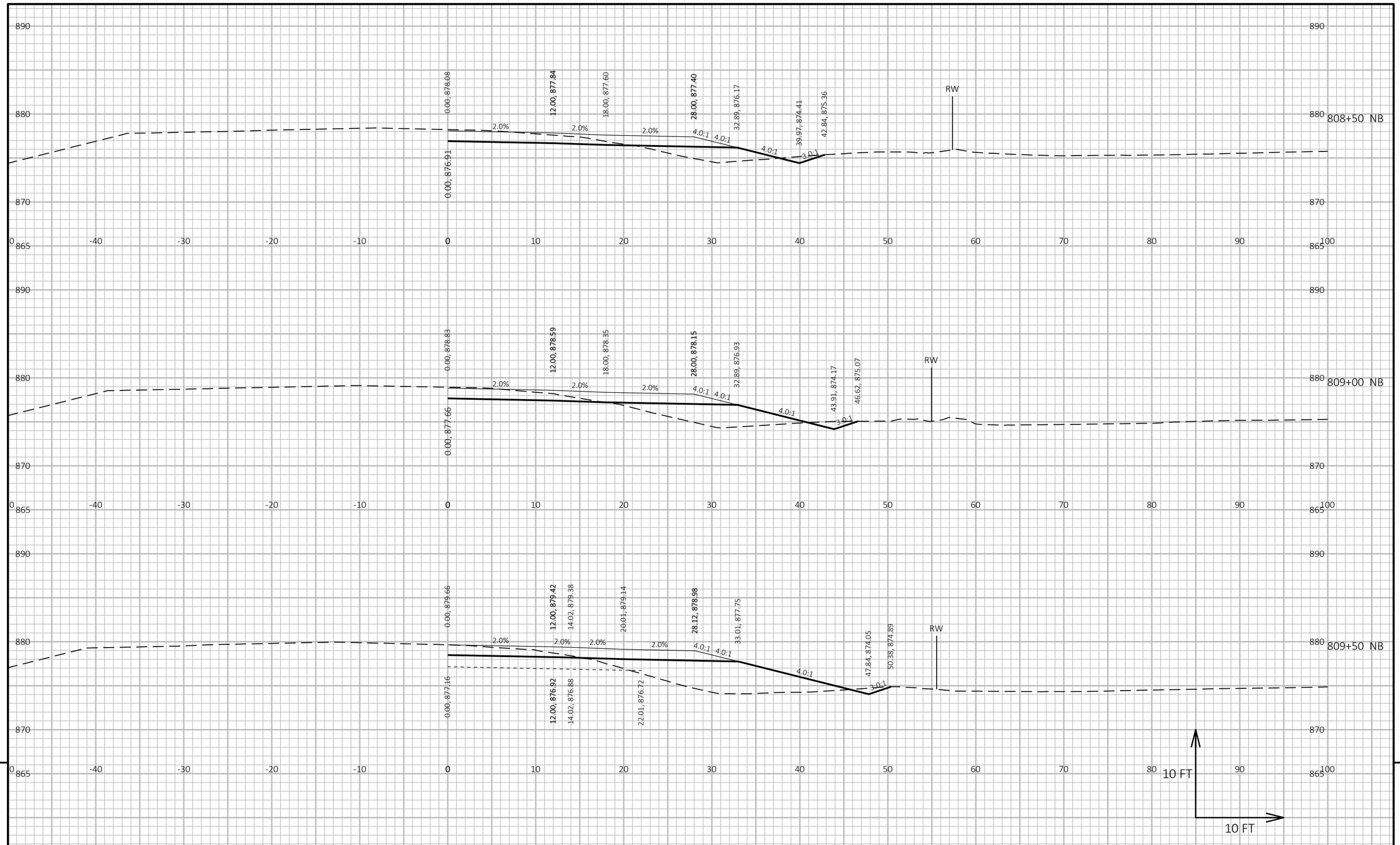
PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: STAGE 2 - USH 51 NB	SHEET 388	E

FILE NAME : S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201-XS-S2.DWG
LAYOUT NAME - 090201-xs-nb-s2-4

PLOT DATE : 7/18/2025 3:05 AM PLOT BY : JURECZEK, JESSIE PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



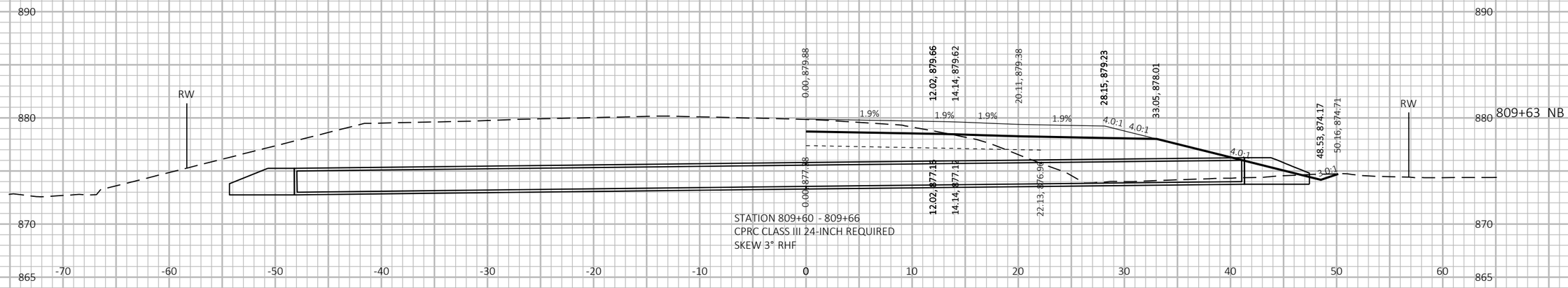
PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: STAGE 2 - USH 51 NB	SHEET 389	E

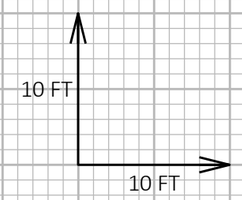
FILE NAME : S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201-XS-S2.DWG
LAYOUT NAME - 090201-xs-nb-s2-5

PLOT DATE : 7/18/2025 3:05 AM PLOT BY : JURECZEK, JESSIE PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49





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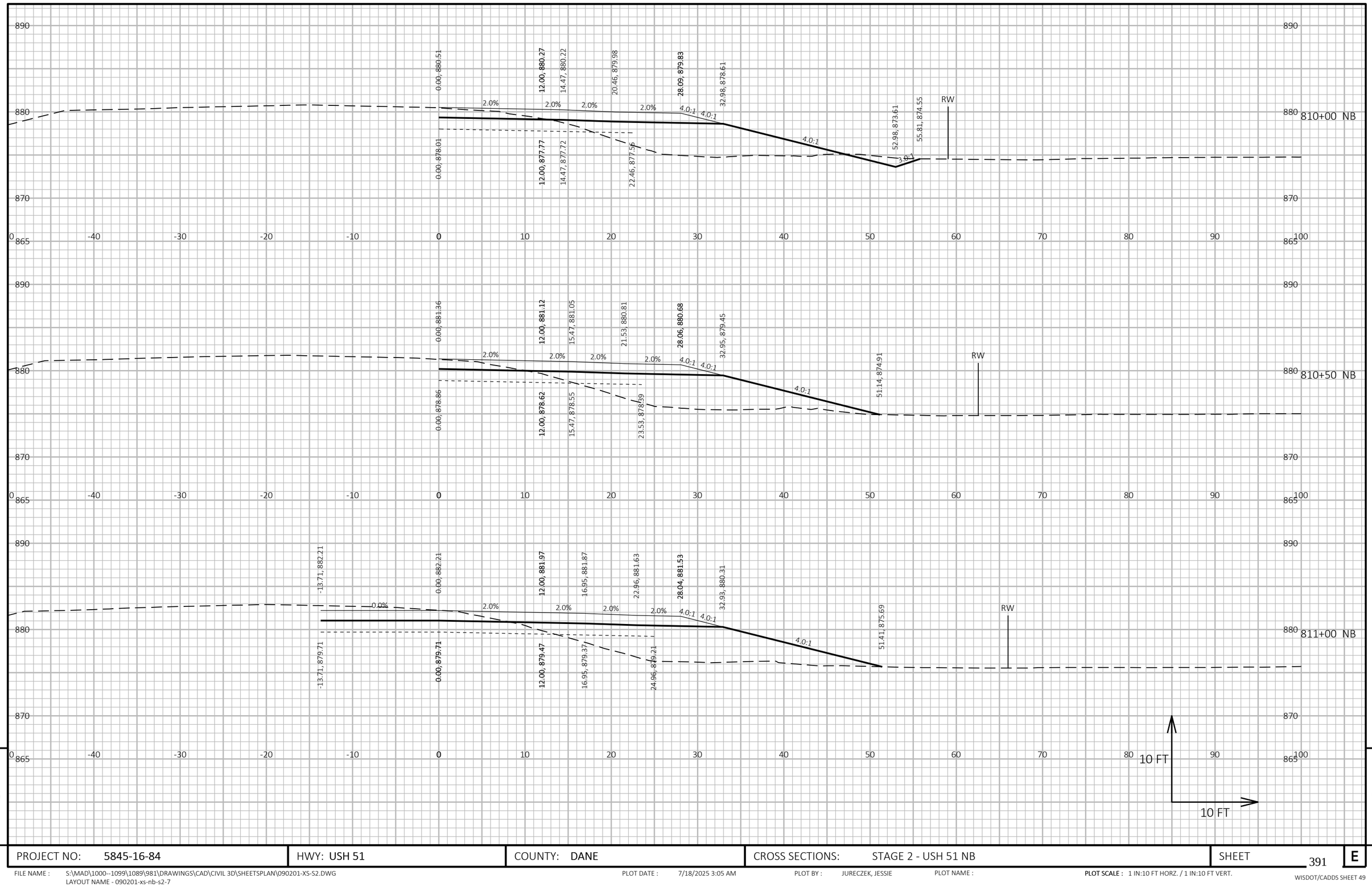
PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: STAGE 2 - USH 51 NB	SHEET 390	E

FILE NAME : S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201-XS-S2.DWG
LAYOUT NAME - 090201-xs-nb-s2-6

PLOT DATE : 7/18/2025 3:05 AM PLOT BY : JURECZEK, JESSIE PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



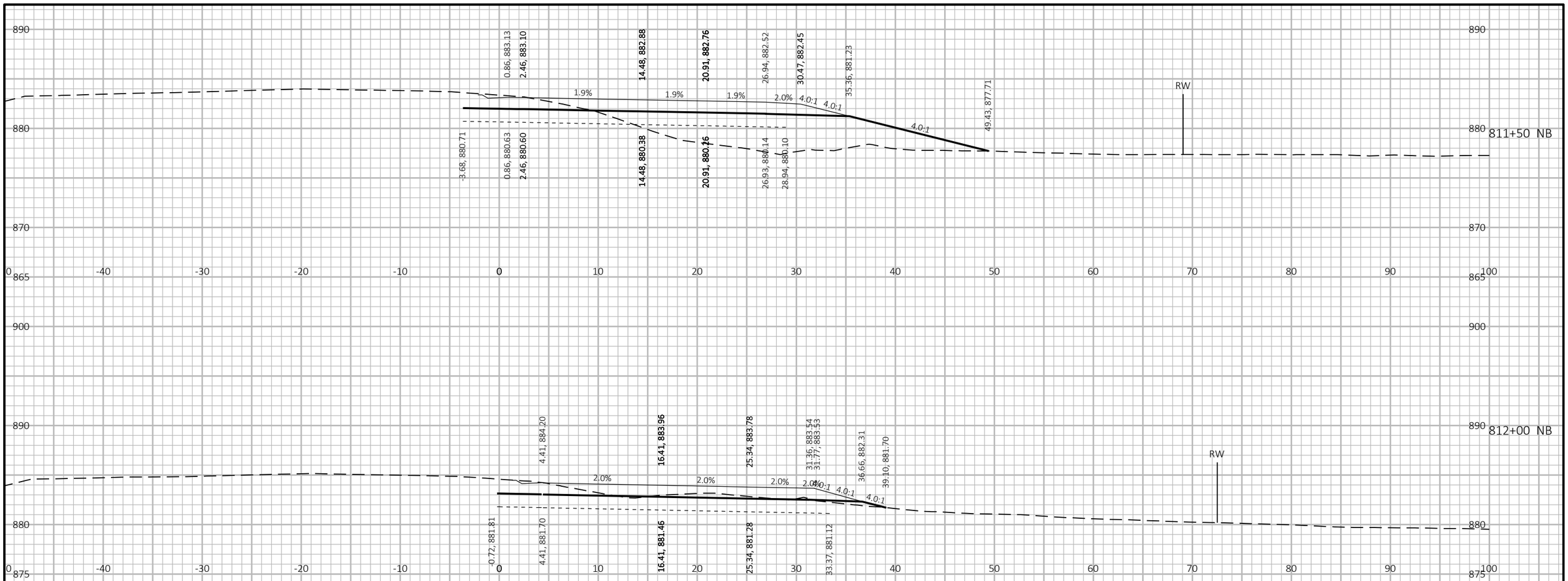
PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: STAGE 2 - USH 51 NB	SHEET 391 E

FILE NAME : S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201-XS-S2.DWG
LAYOUT NAME - 090201-xs-nb-s2-7

PLOT DATE : 7/18/2025 3:05 AM PLOT BY : JURECZEK, JESSIE PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: STAGE 2 - USH 51 NB	SHEET 392	E

FILE NAME : S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201-XS-S2.DWG
LAYOUT NAME - 090201-xs-nb-s2-8

PLOT DATE : 7/28/2025 5:54 PM PLOT BY : JURECZEK, JESSIE PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

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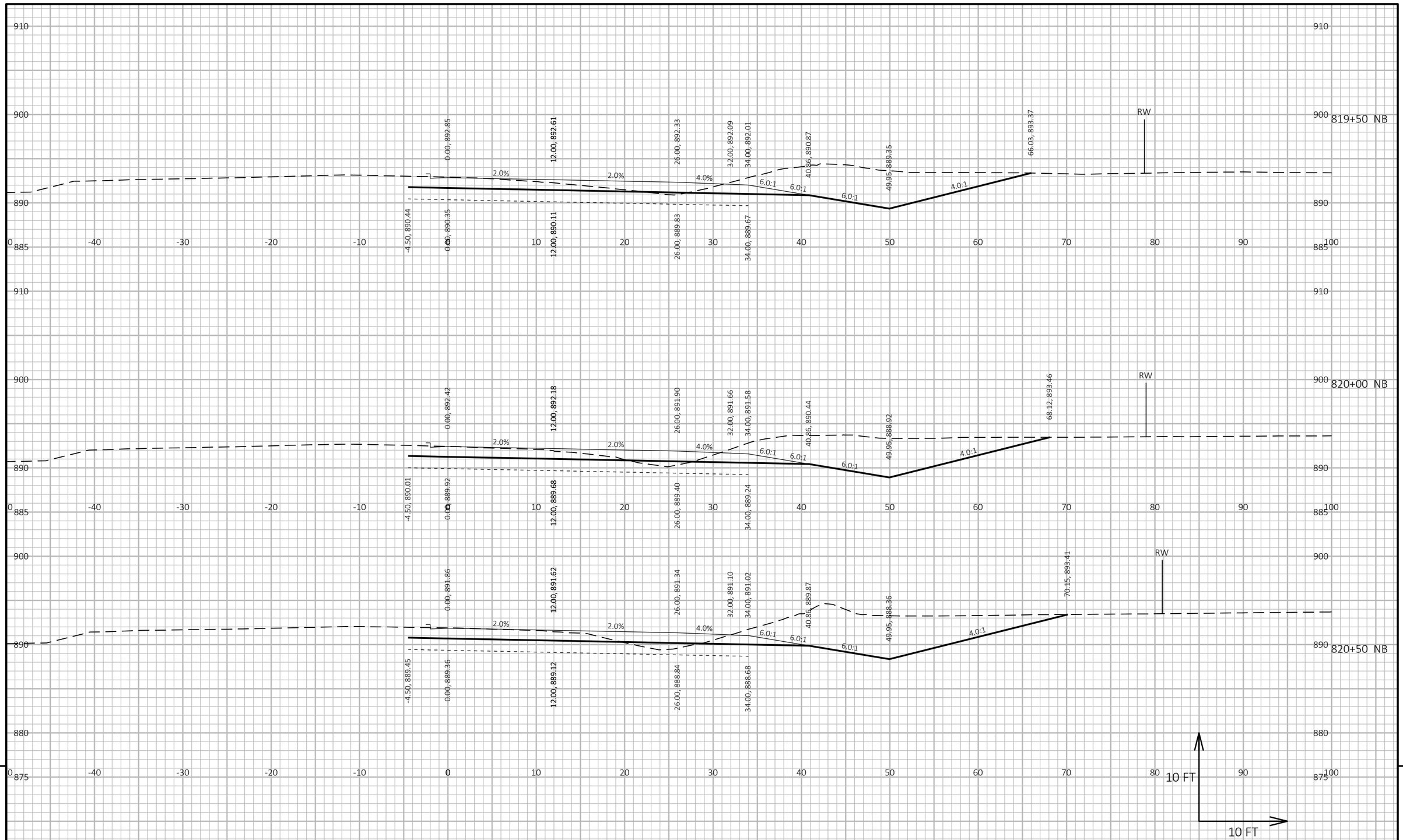
PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: STAGE 2 - USH 51 NB	SHEET 393	E

FILE NAME : S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201-XS-S2.DWG
LAYOUT NAME - 090202-xs-nb-s2-1

PLOT DATE : 7/18/2025 3:05 AM PLOT BY : JURECZEK, JESSIE PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



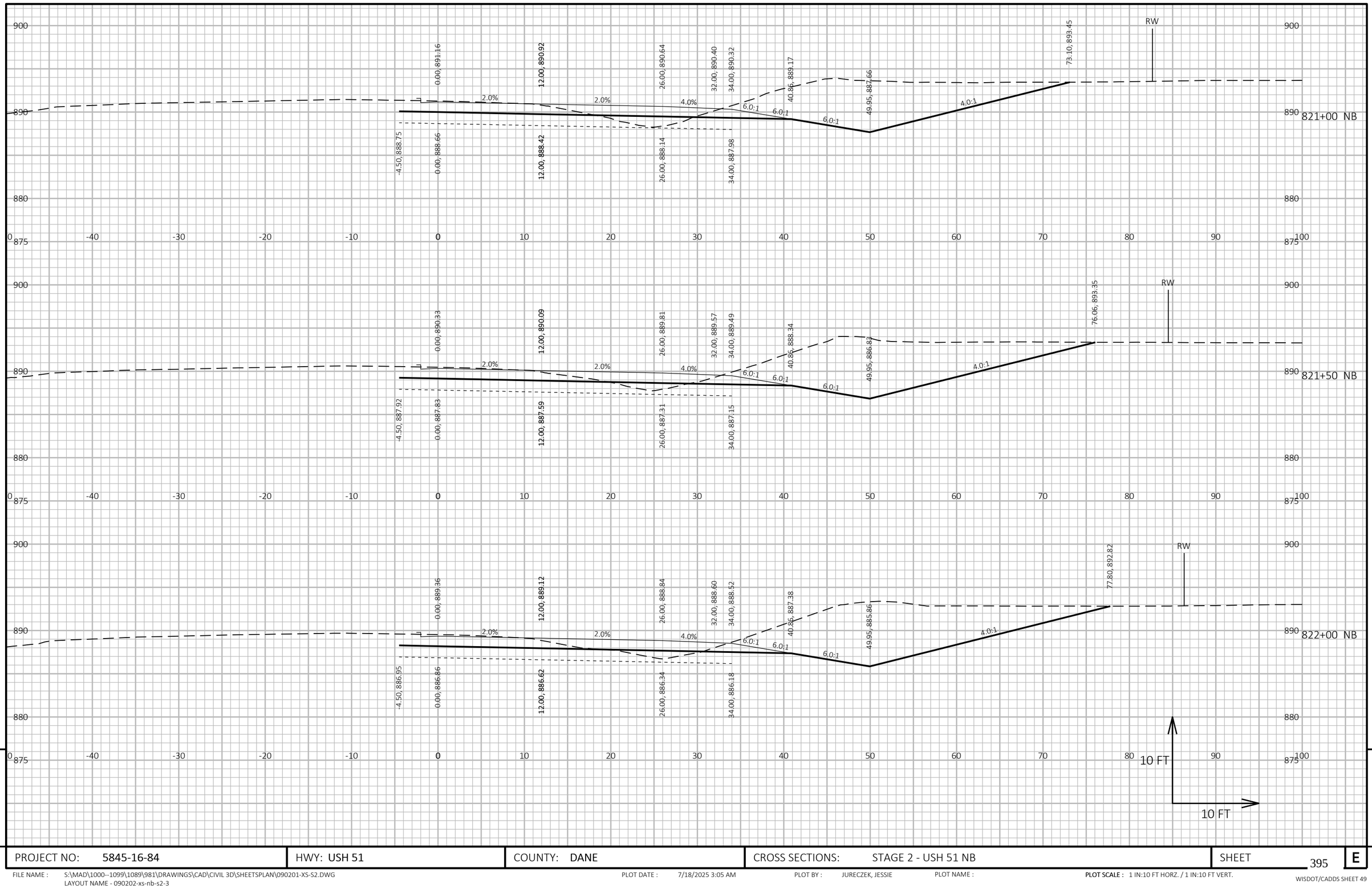
PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: STAGE 2 - USH 51 NB	SHEET 394	E

FILE NAME : S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201-XS-S2.DWG
LAYOUT NAME - 090202-xs-nb-s2-2

PLOT DATE : 7/18/2025 3:05 AM PLOT BY : JURECZEK, JESSIE PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

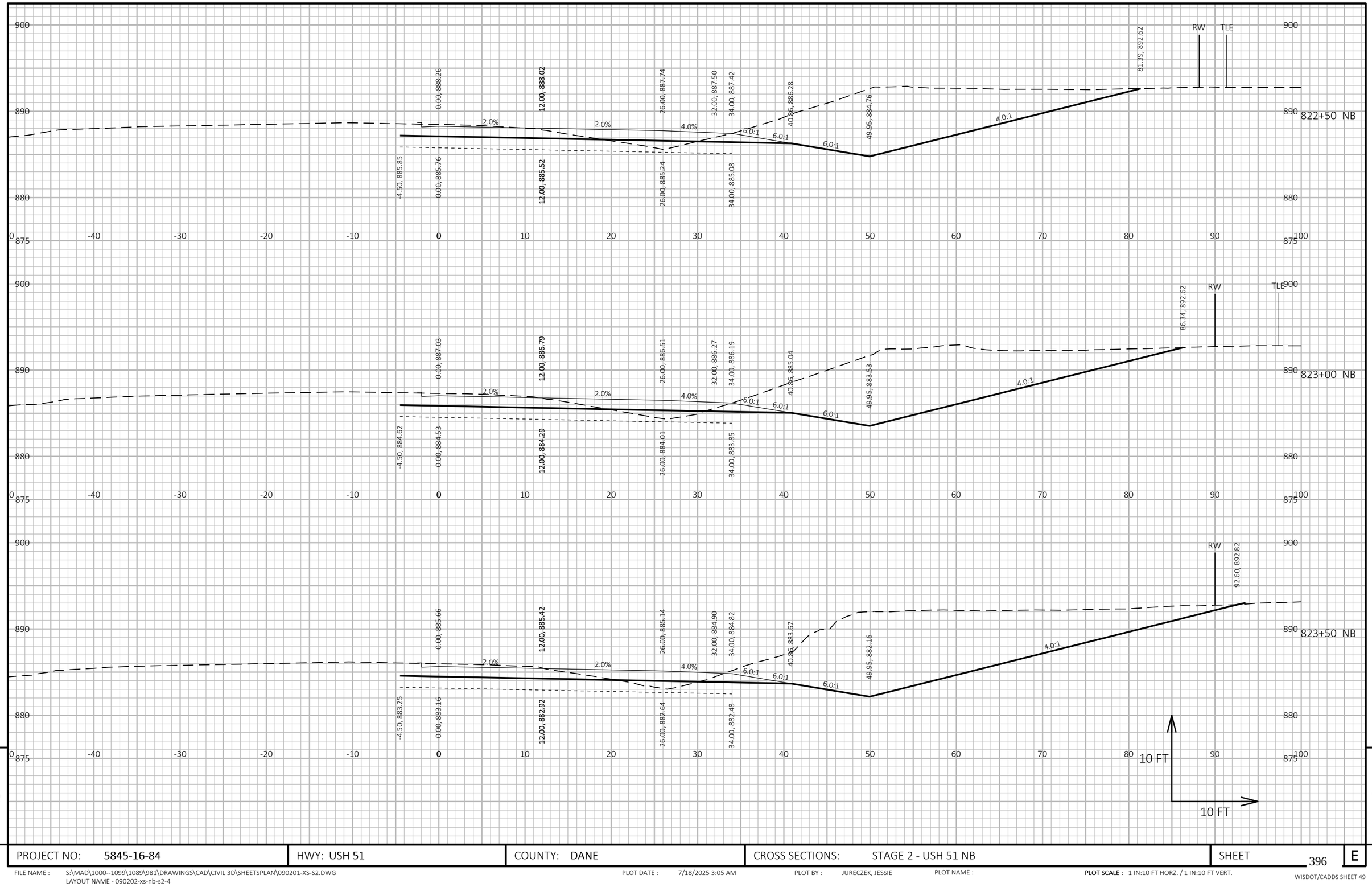


PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: STAGE 2 - USH 51 NB	SHEET 395	E

FILE NAME : S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201-XS-S2.DWG
LAYOUT NAME - 090202-xs-nb-s2-3

PLOT DATE : 7/18/2025 3:05 AM PLOT BY : JURECZEK, JESSIE PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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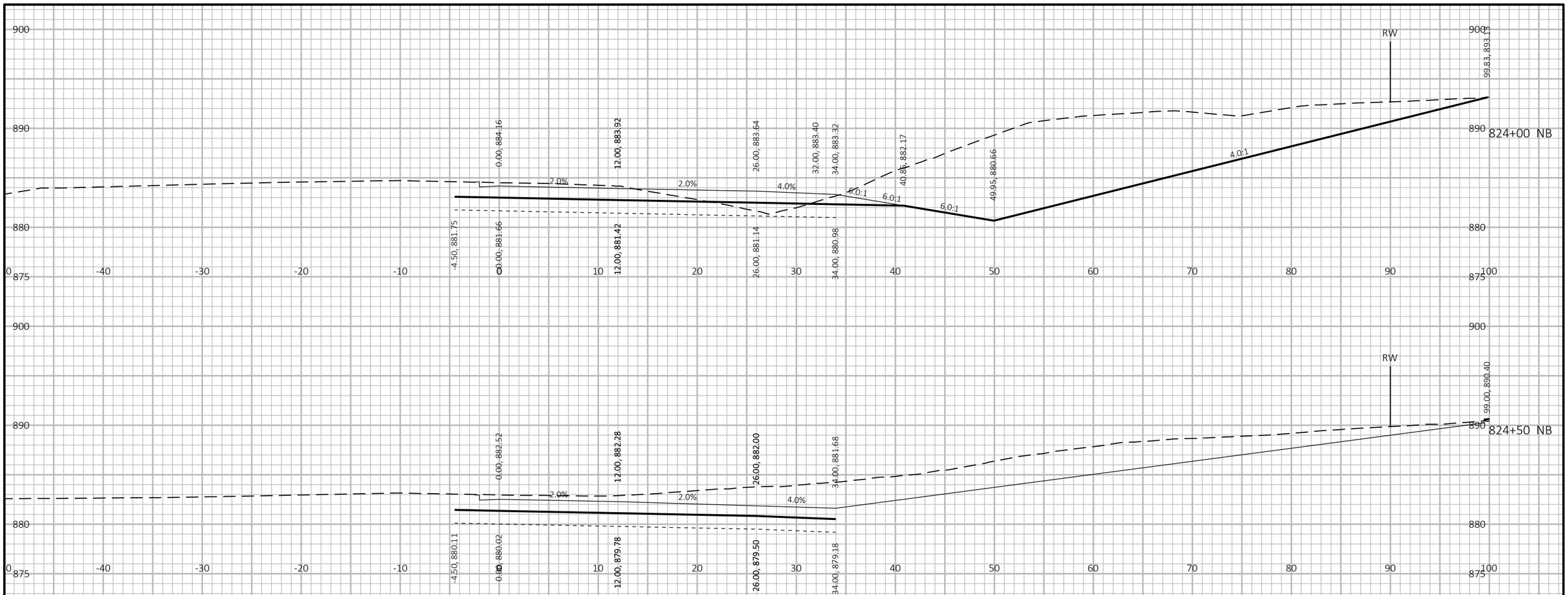
PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: STAGE 2 - USH 51 NB	SHEET 396	E

FILE NAME : S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201-XS-S2.DWG
LAYOUT NAME - 090202-xs-nb-s2-4

PLOT DATE : 7/18/2025 3:05 AM PLOT BY : JURECZEK, JESSIE PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

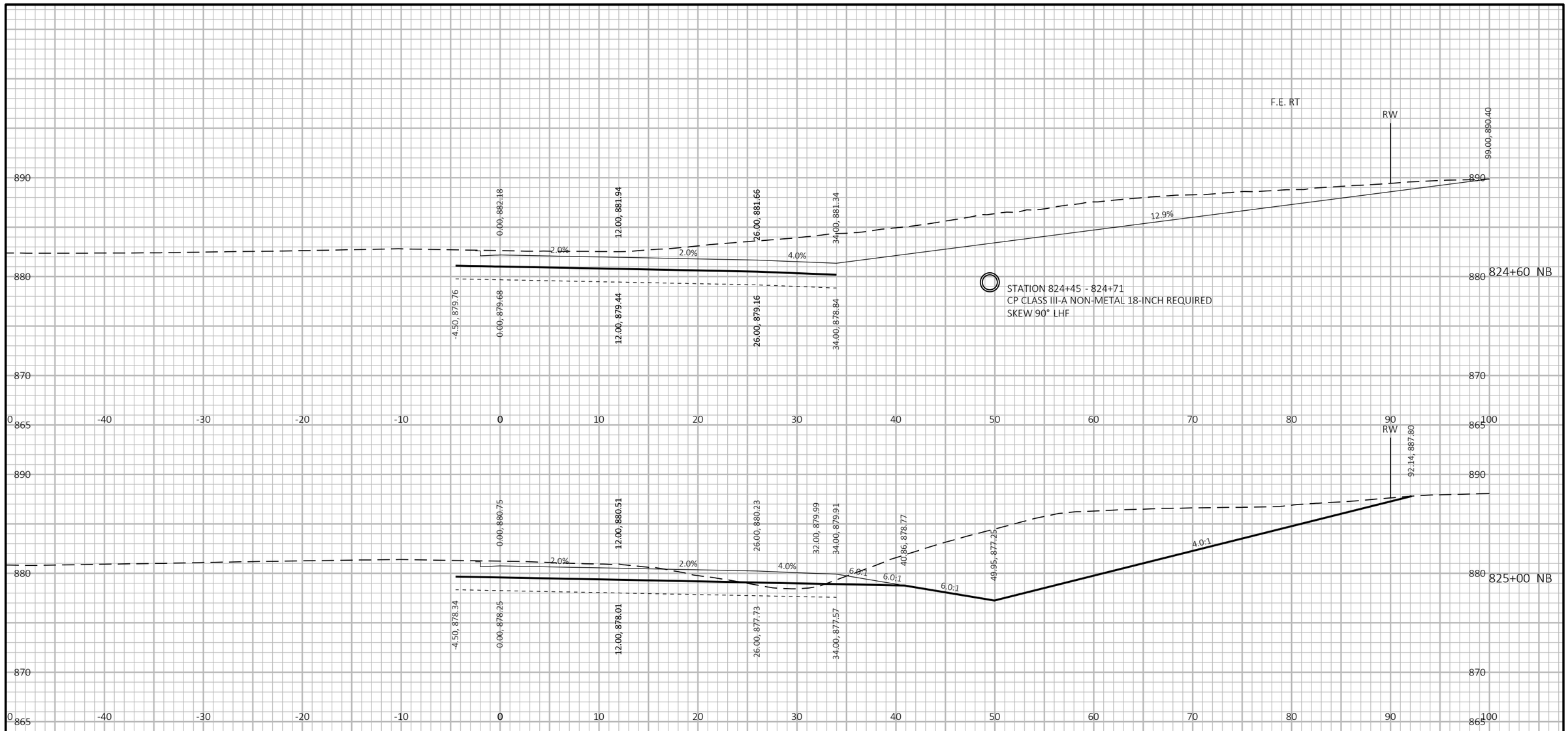


PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: STAGE 2 - USH 51 NB	SHEET 397	E

FILE NAME : S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201-XS-S2.DWG
LAYOUT NAME - 090202-xs-nb-s2-5

PLOT DATE : 7/18/2025 3:05 AM PLOT BY : JURECZEK, JESSIE PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

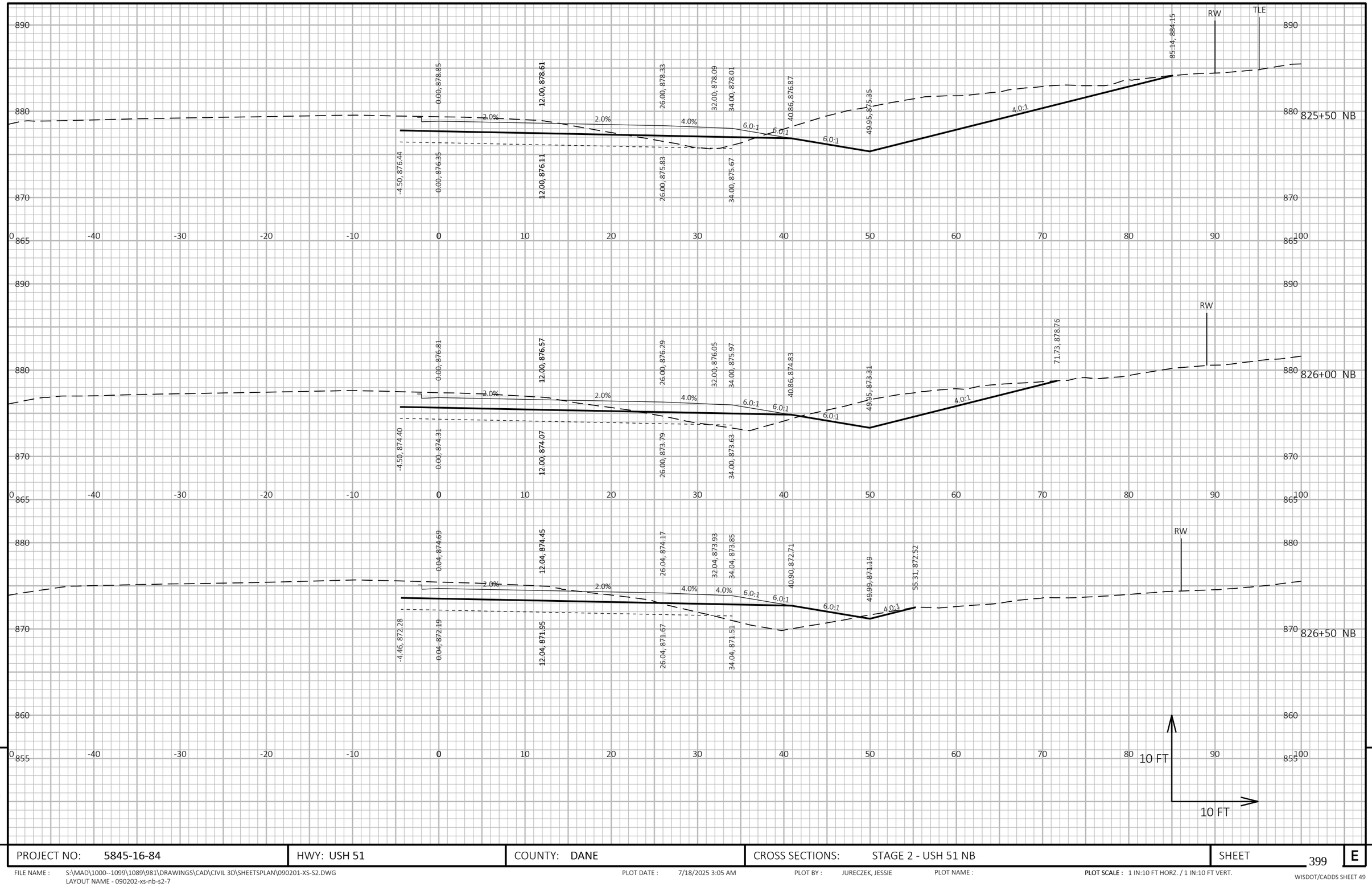


PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: STAGE 2 - USH 51 NB	SHEET 398	E

FILE NAME : S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201-XS-S2.DWG
LAYOUT NAME - 090202-xs-nb-s2-6

PLOT DATE : 7/18/2025 4:30 PM PLOT BY : JURECZEK, JESSIE PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

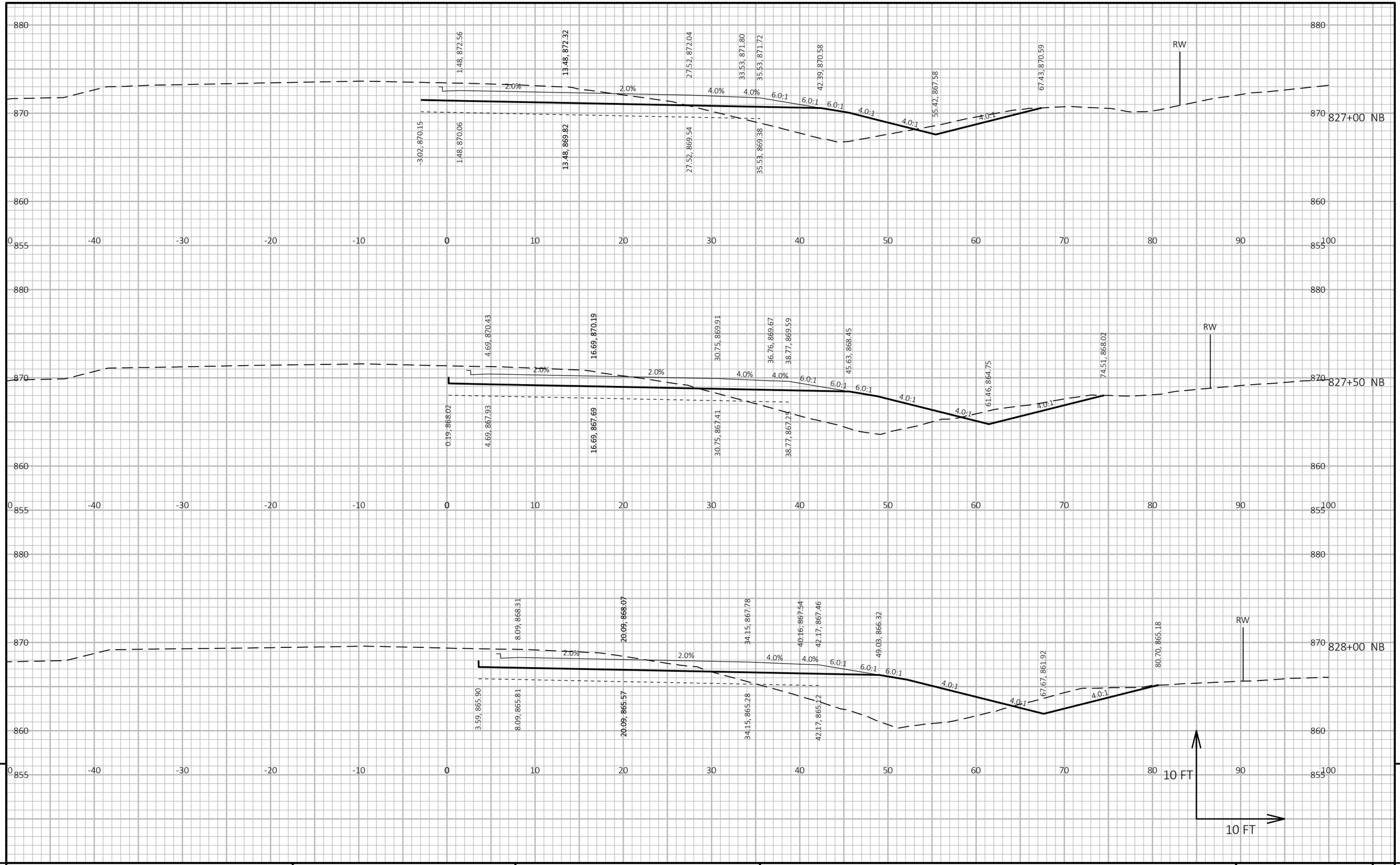


PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: STAGE 2 - USH 51 NB	SHEET 399	E

FILE NAME : S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201-XS-S2.DWG
LAYOUT NAME - 090202-xs-nb-s2-7

PLOT DATE : 7/18/2025 3:05 AM PLOT BY : JURECZEK, JESSIE PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

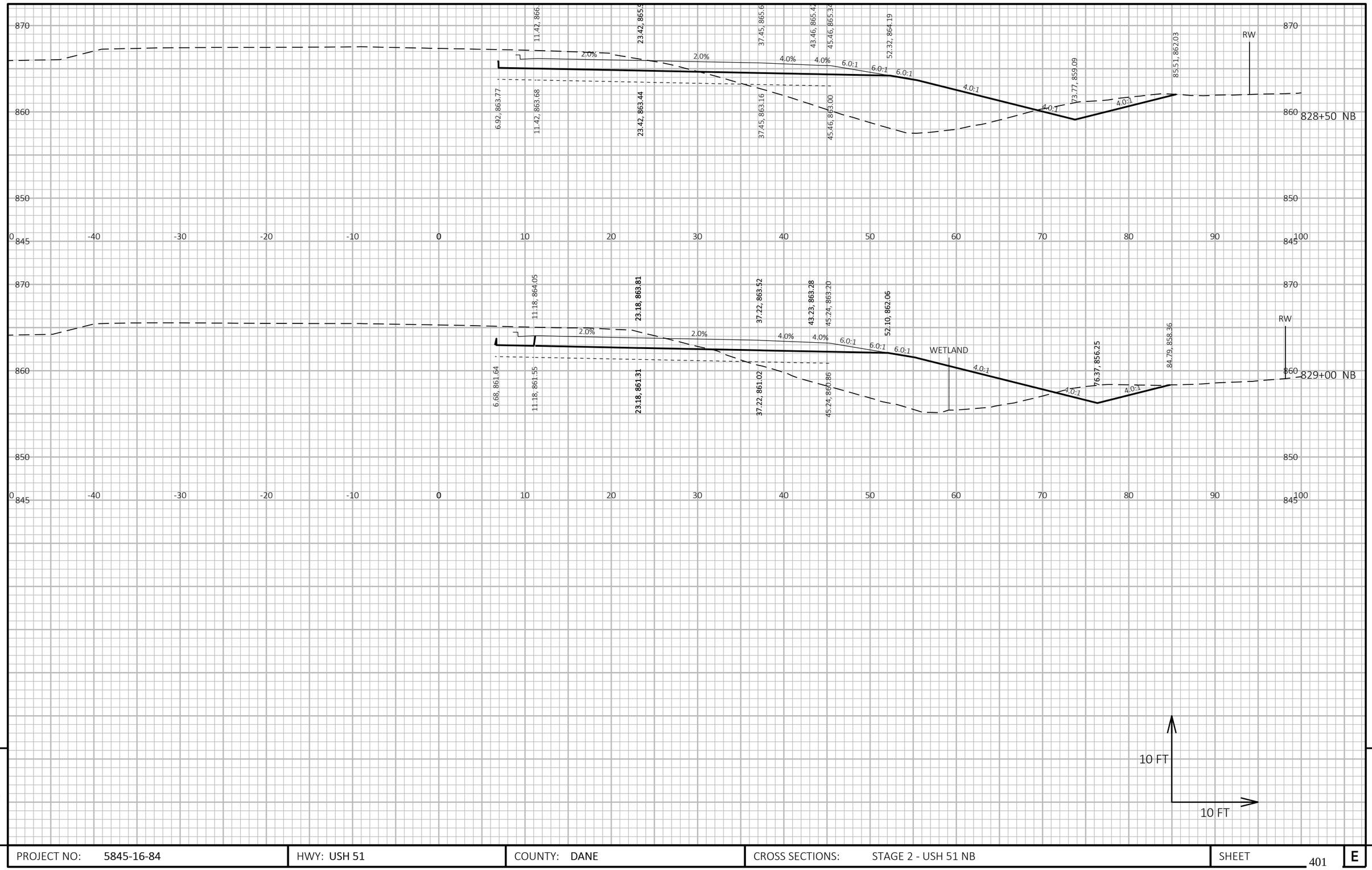


PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: STAGE 2 - USH 51 NB	SHEET 400	E

FILE NAME : S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201-XS-S2.DWG
LAYOUT NAME - 090202-xs-nb-s2-8

PLOT DATE : 7/18/2025 3:05 AM PLOT BY : JURECZEK, JESSIE PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

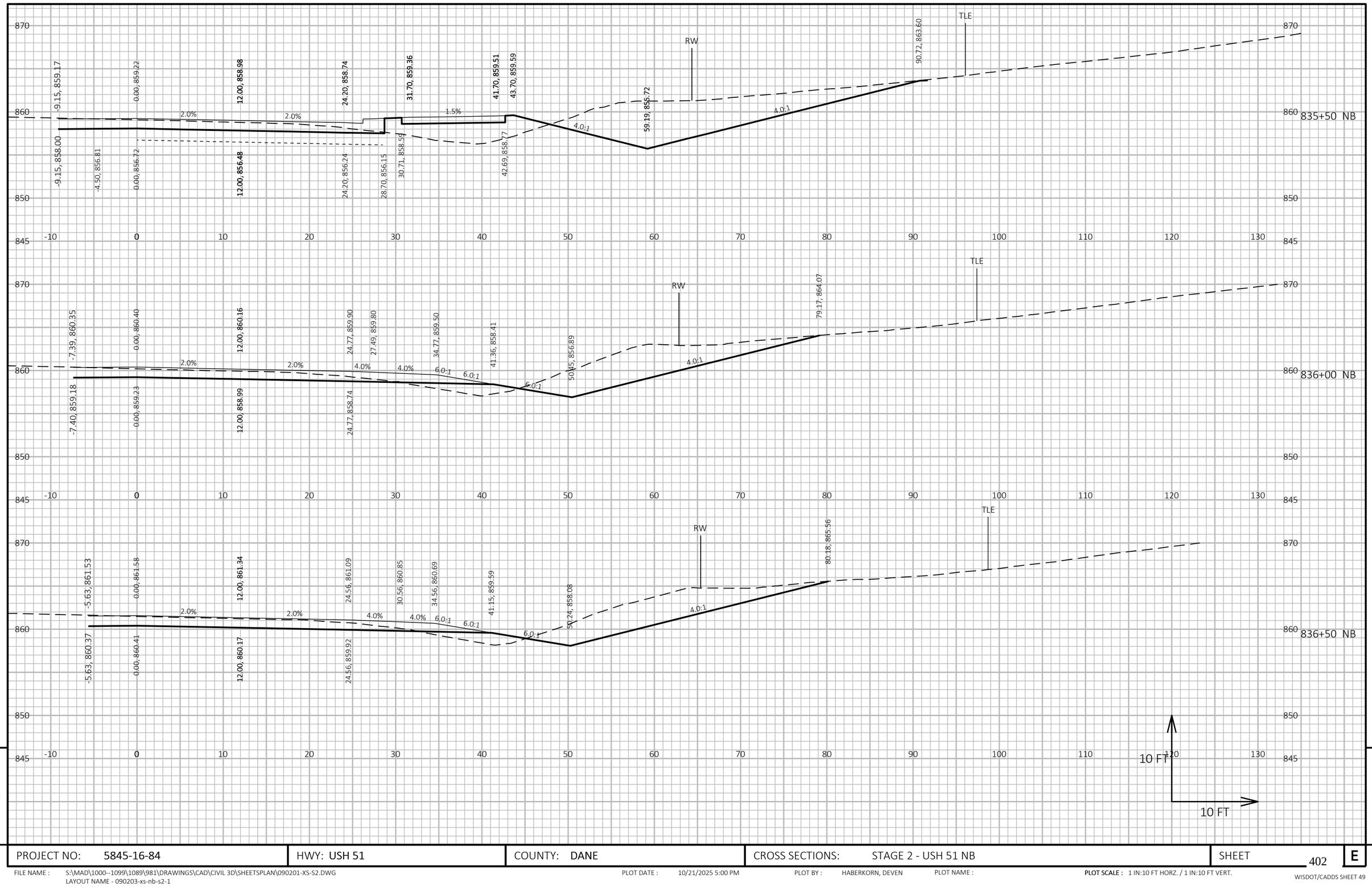
PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: STAGE 2 - USH 51 NB	SHEET 401	E

FILE NAME : S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201-XS-S2.DWG
LAYOUT NAME - 090202-xs-nb-s2-9

PLOT DATE : 7/18/2025 3:05 AM PLOT BY : JURECZEK, JESSIE PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

9



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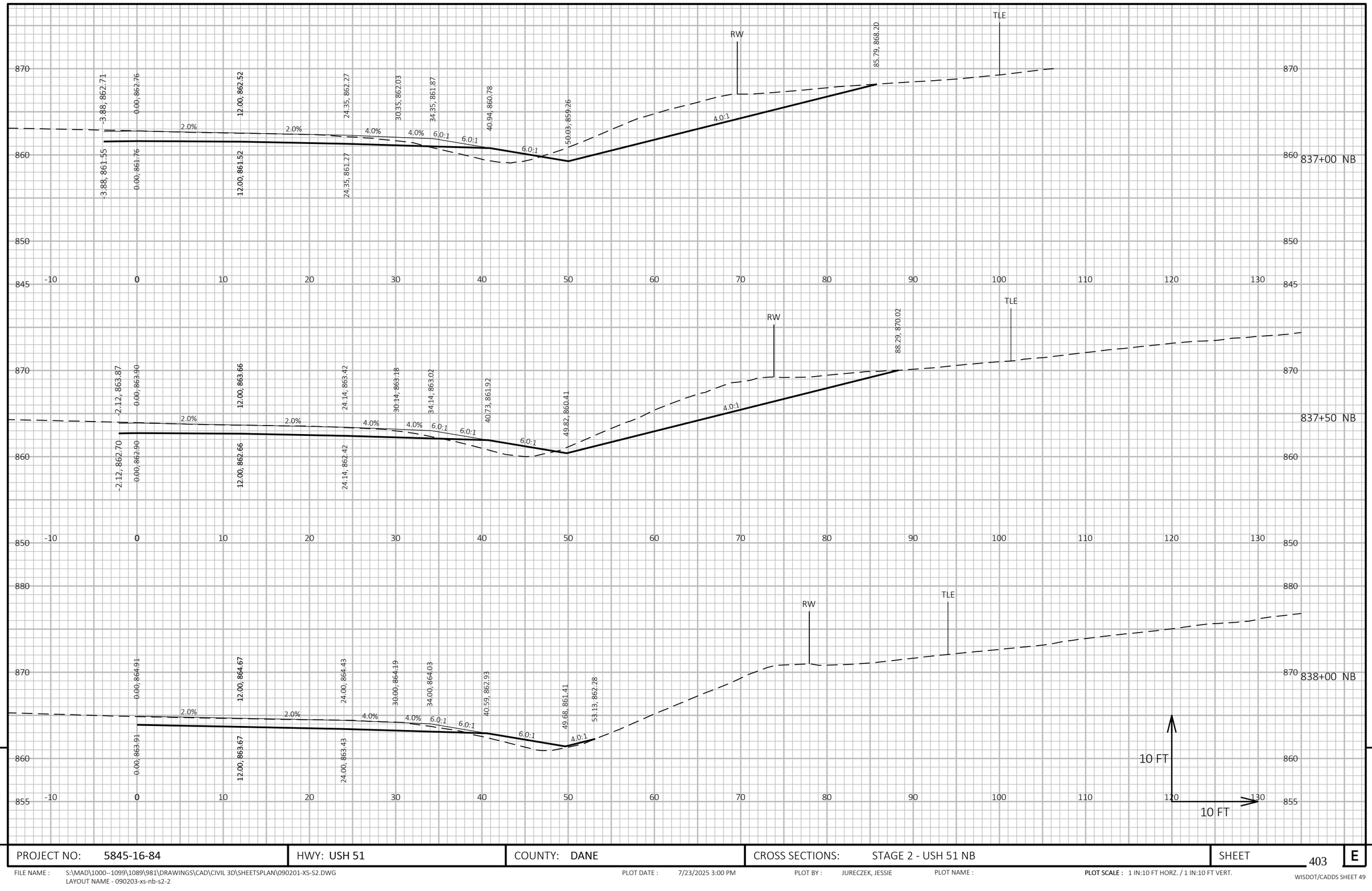
PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: STAGE 2 - USH 51 NB	SHEET 402	E

FILE NAME : S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201-XS-S2.DWG
LAYOUT NAME - 090203-xs-nb-s2-1

PLOT DATE : 10/21/2025 5:00 PM PLOT BY : HABERKORN, DEVEN PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



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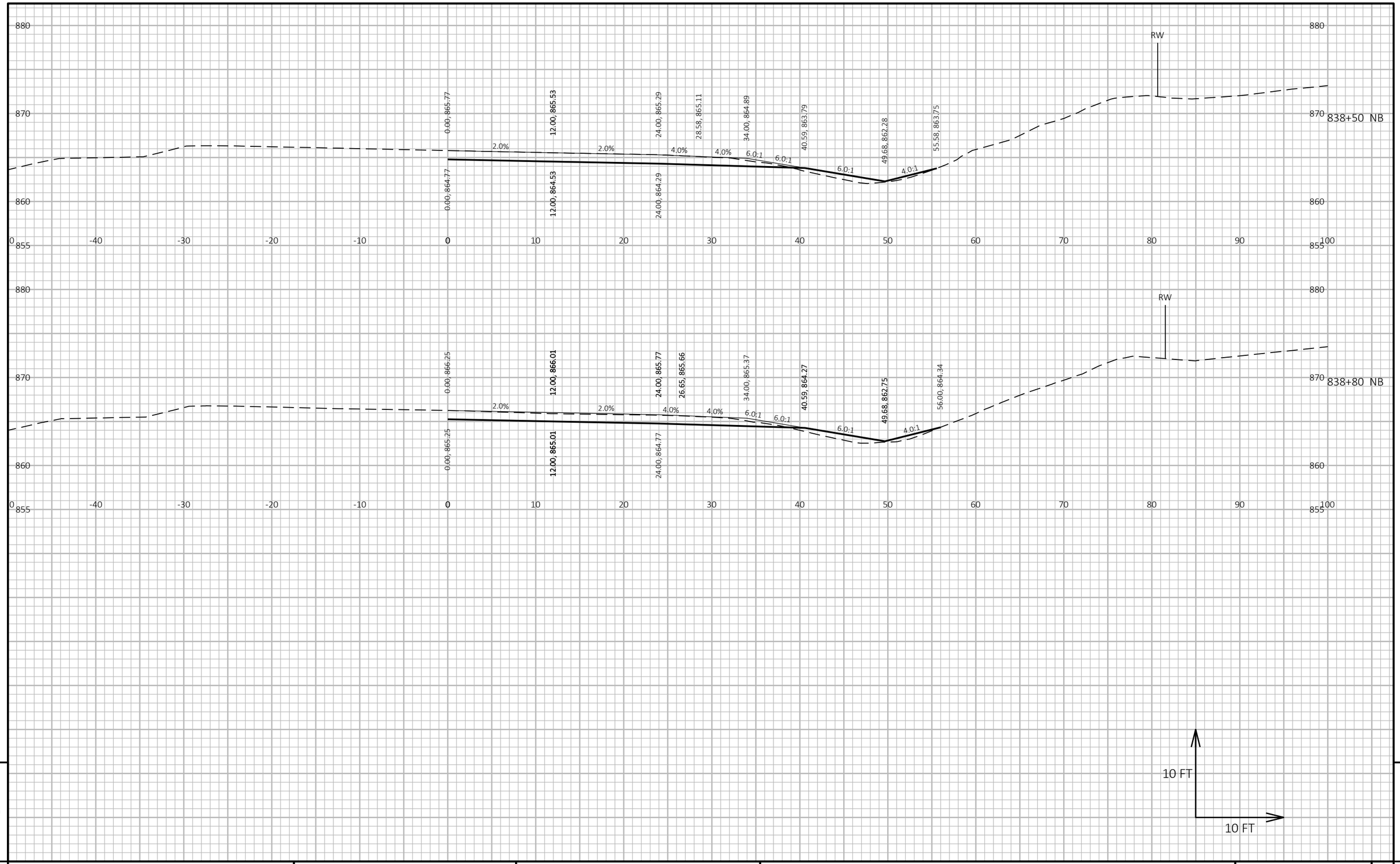
PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: STAGE 2 - USH 51 NB	SHEET 403	E

FILE NAME : S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201-XS-S2.DWG
LAYOUT NAME - 090203-xs-nb-s2-2

PLOT DATE : 7/23/2025 3:00 PM PLOT BY : JURECZEK, JESSIE PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: STAGE 2 - USH 51 NB	SHEET 404	E

FILE NAME : S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201-XS-S2.DWG
LAYOUT NAME - 090203-xs-nb-s2-3

PLOT DATE : 7/18/2025 3:05 AM PLOT BY : JURECZEK, JESSIE PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

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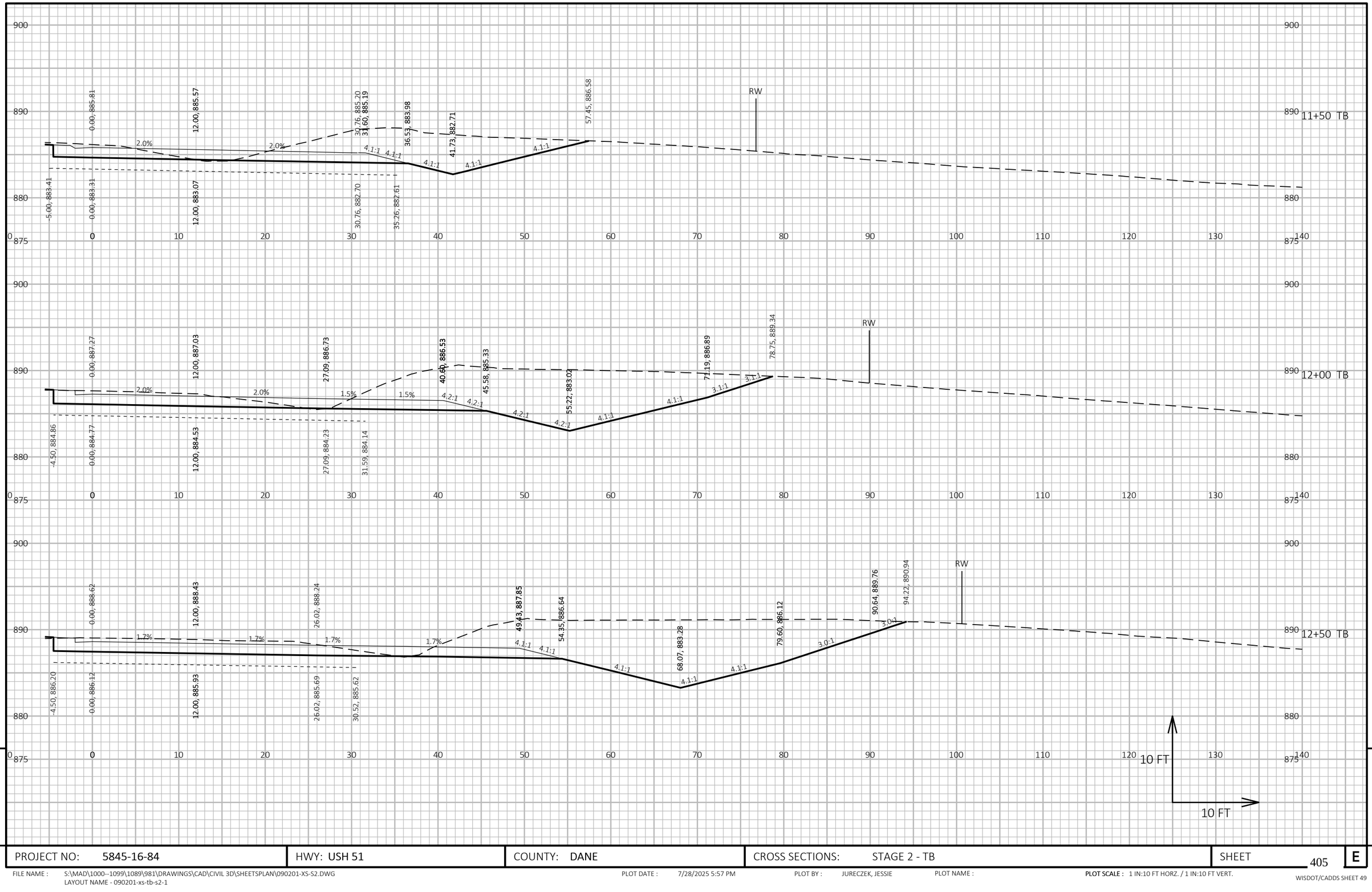
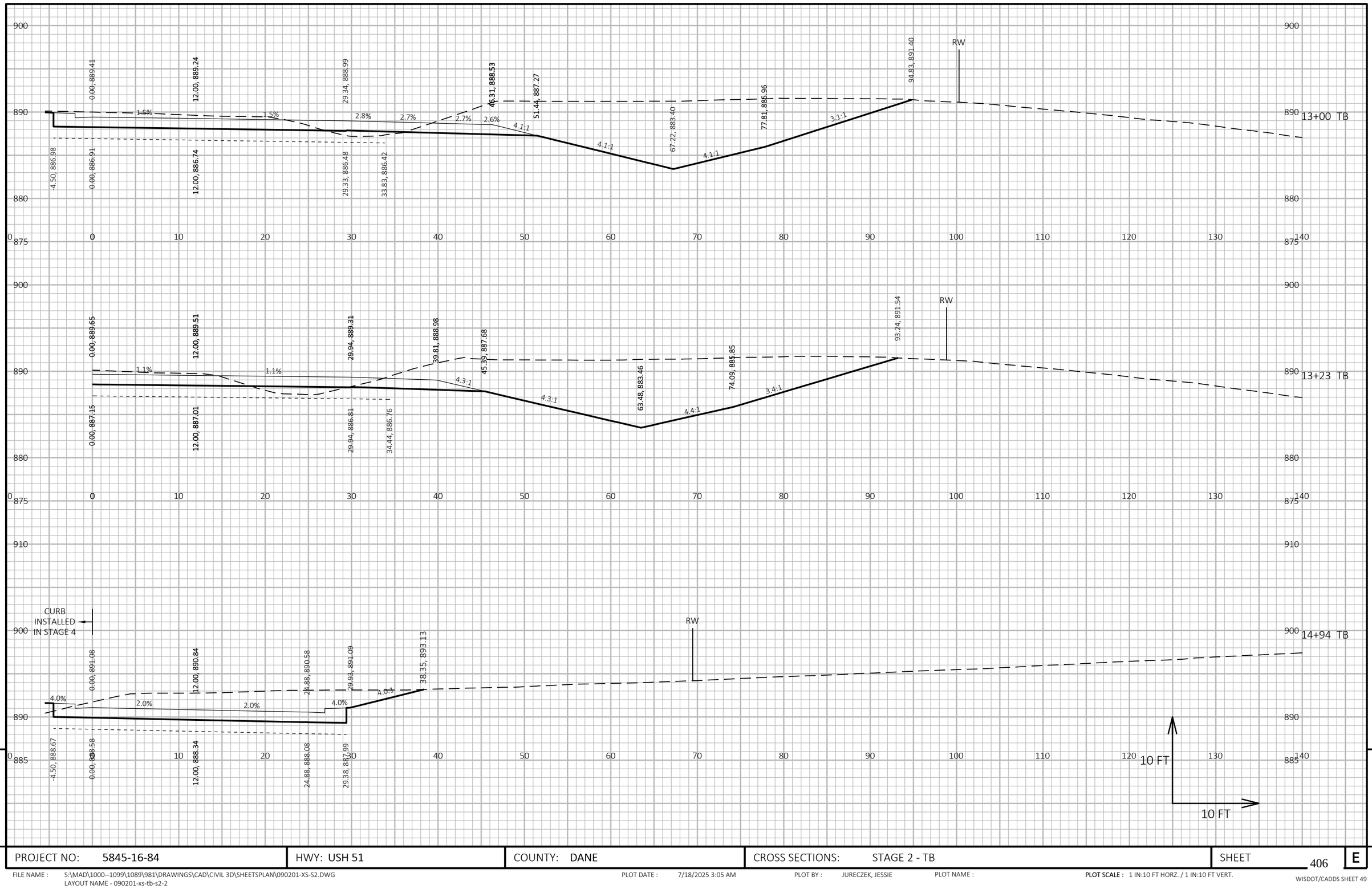


PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: STAGE 2 - TB	SHEET 405	E

FILE NAME : S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201-XS-S2.DWG
LAYOUT NAME - 090201-xs-tb-s2-1

PLOT DATE : 7/28/2025 5:57 PM PLOT BY : JURECZEK, JESSIE PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

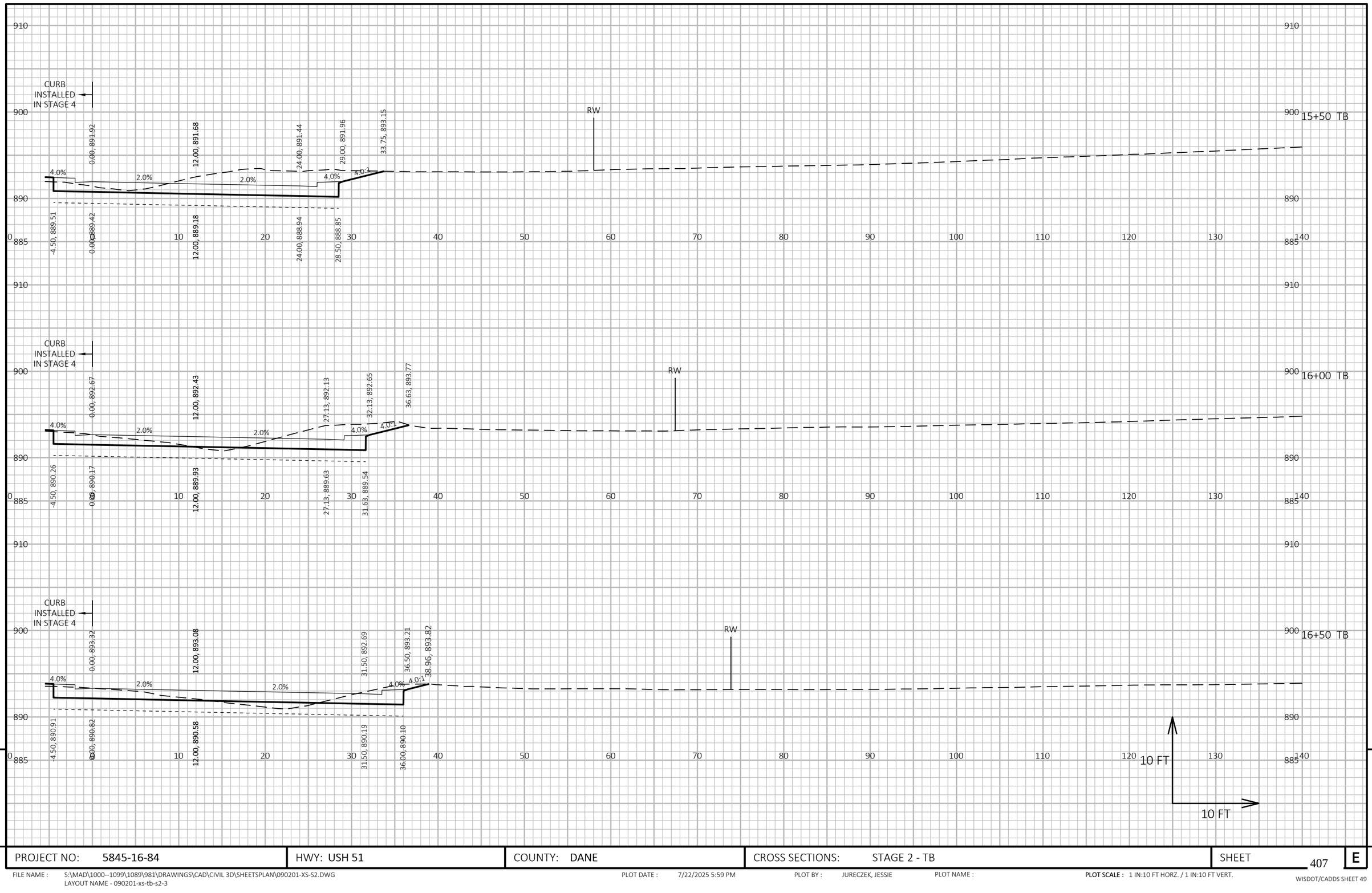


PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: STAGE 2 - TB	SHEET 406	E

FILE NAME : S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201-XS-S2.DWG
LAYOUT NAME - 090201-xs-tb-s2-2

PLOT DATE : 7/18/2025 3:05 AM PLOT BY : JURECZEK, JESSIE PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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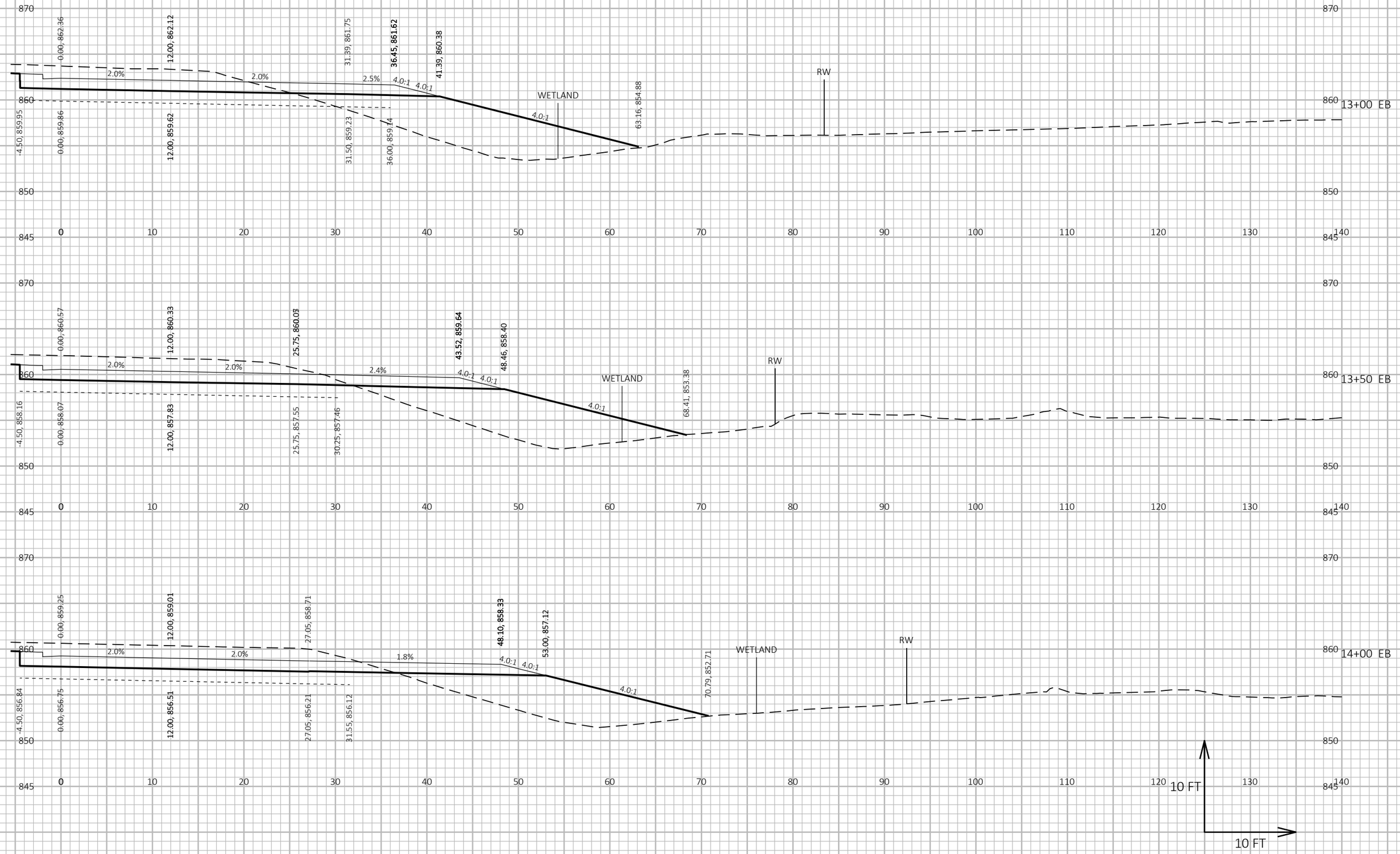
PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: STAGE 2 - TB	SHEET 407	E

FILE NAME : S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201-XS-S2.DWG
LAYOUT NAME - 090201-xs-tb-s2-3

PLOT DATE : 7/22/2025 5:59 PM PLOT BY : JURECZEK, JESSIE PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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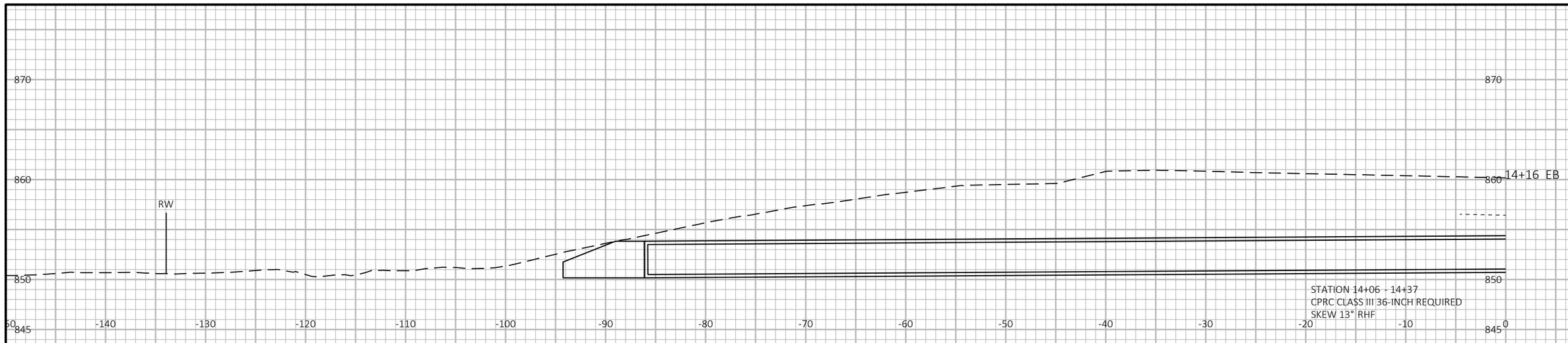
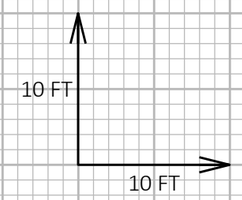
PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: STAGE 2 - EB	SHEET 408	E

FILE NAME : S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201-XS-S2.DWG
LAYOUT NAME - 090201-xs-eb-s2-1

PLOT DATE : 7/18/2025 3:05 AM PLOT BY : JURECZEK, JESSIE PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49





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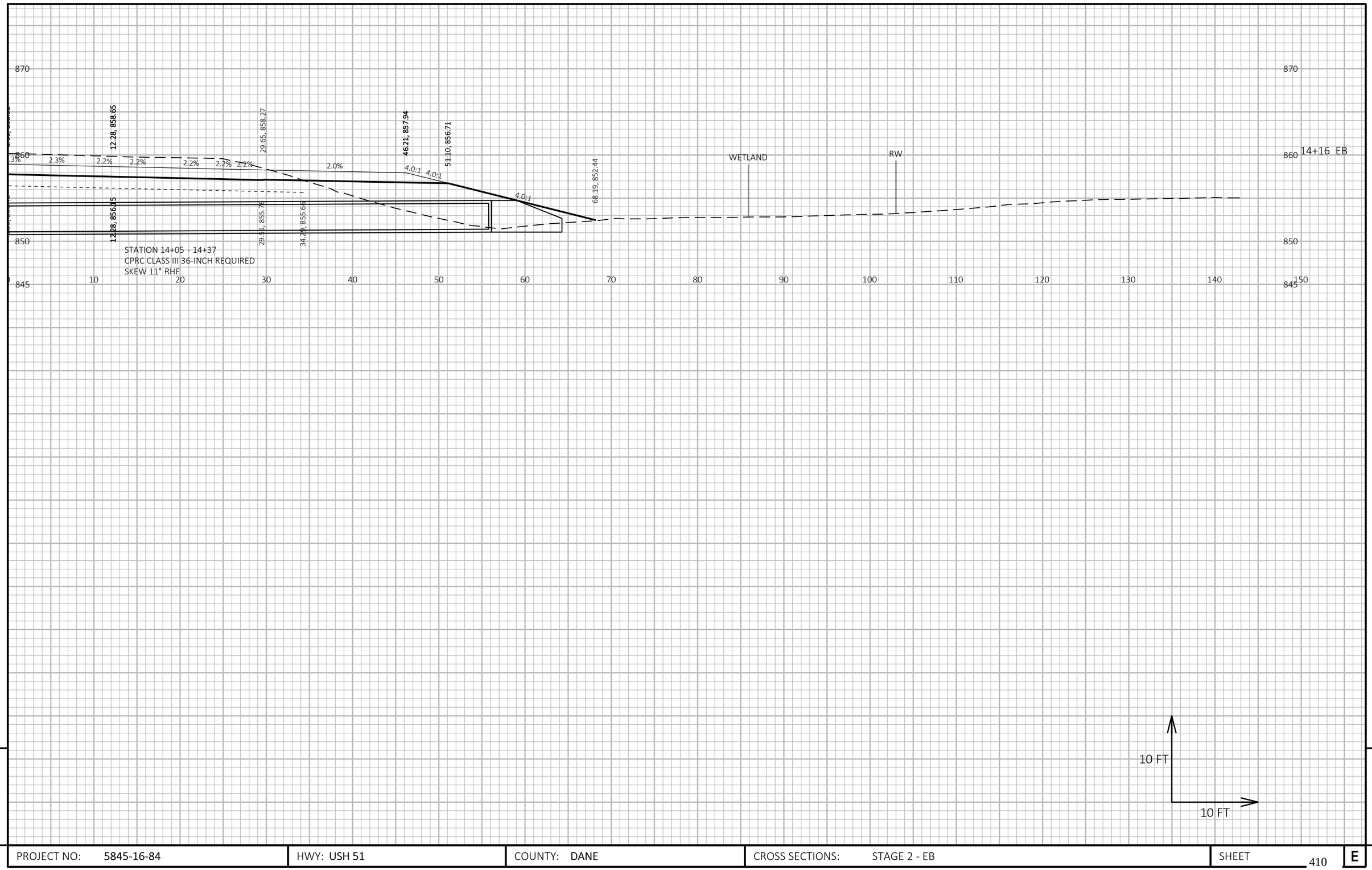
PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: STAGE 2 - EB	SHEET 409	E

FILE NAME : S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201-XS-S2.DWG
LAYOUT NAME - 090201-xs-eb-s2-2

PLOT DATE : 7/21/2025 3:31 PM PLOT BY : JURECZEK, JESSIE PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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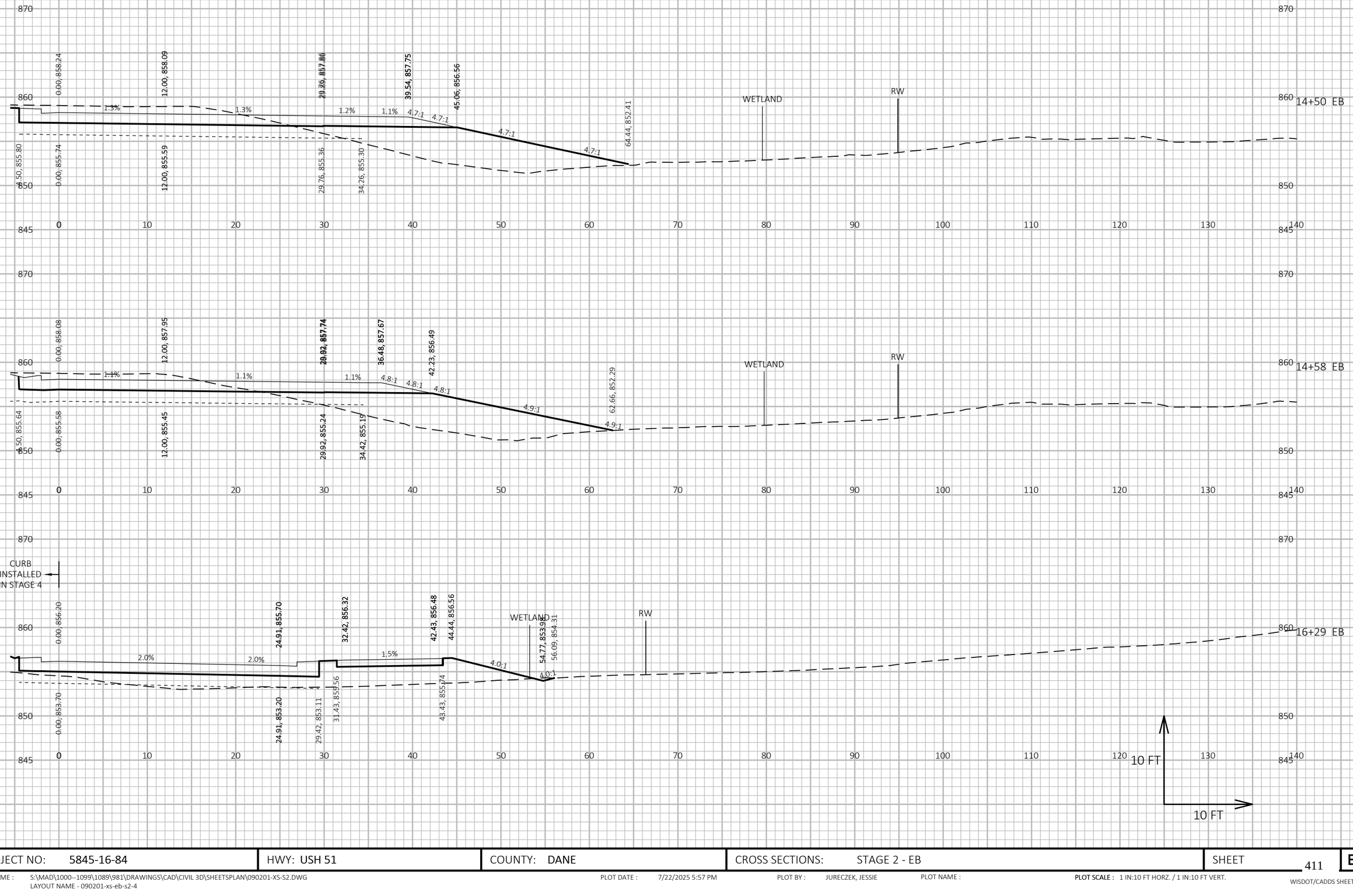
PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: STAGE 2 - EB	SHEET 410	E

FILE NAME : S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201-XS-S2.DWG
LAYOUT NAME - 090201-xs-eb-s2-3

PLOT DATE : 7/21/2025 1:04 PM PLOT BY : JURECZEK, JESSIE PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

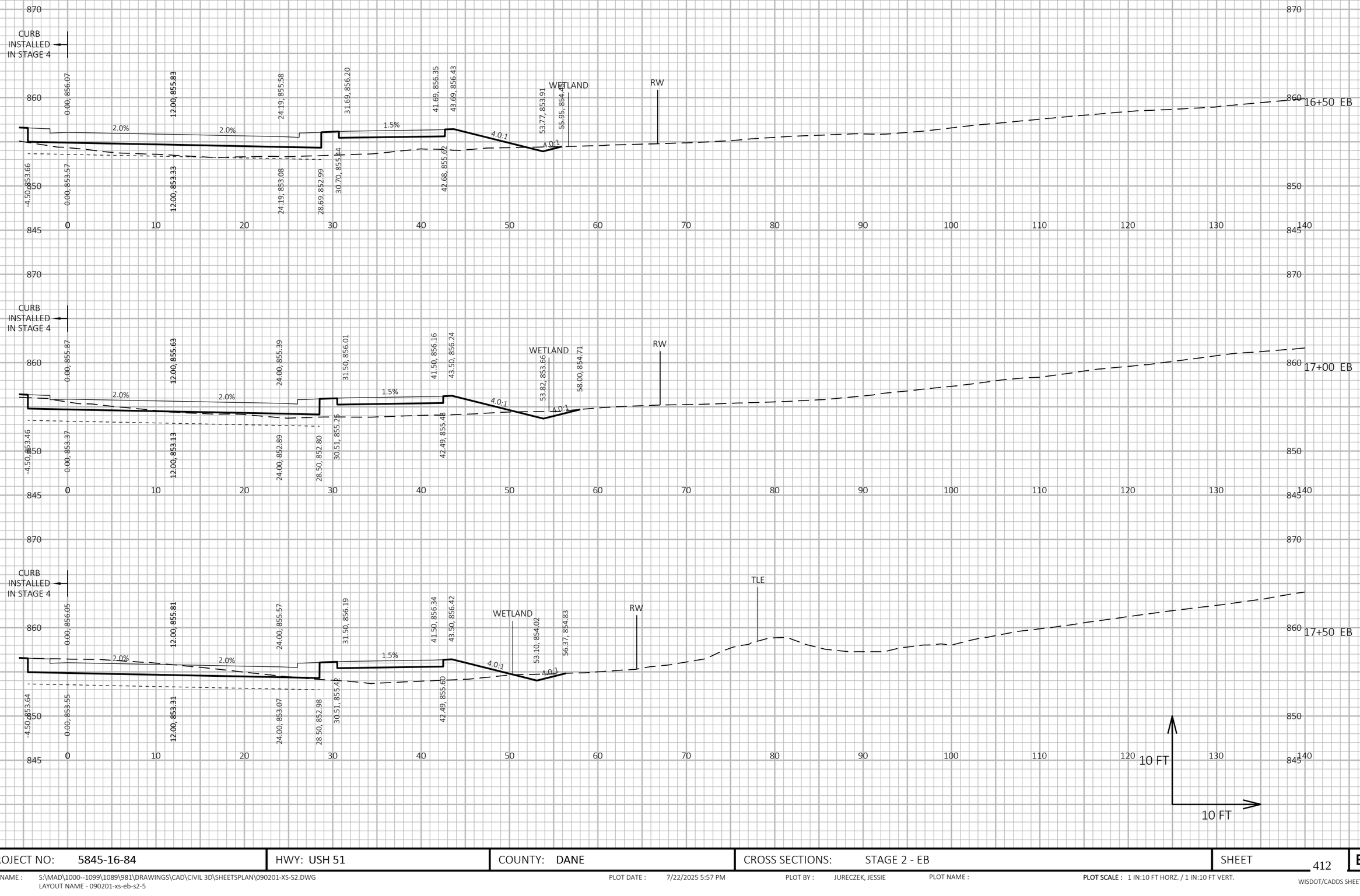


PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: STAGE 2 - EB	SHEET 411	E

FILE NAME : S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201-XS-S2.DWG
LAYOUT NAME - 090201-xs-eb-s2-4

PLOT DATE : 7/22/2025 5:57 PM PLOT BY : JURECZEK, JESSIE PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

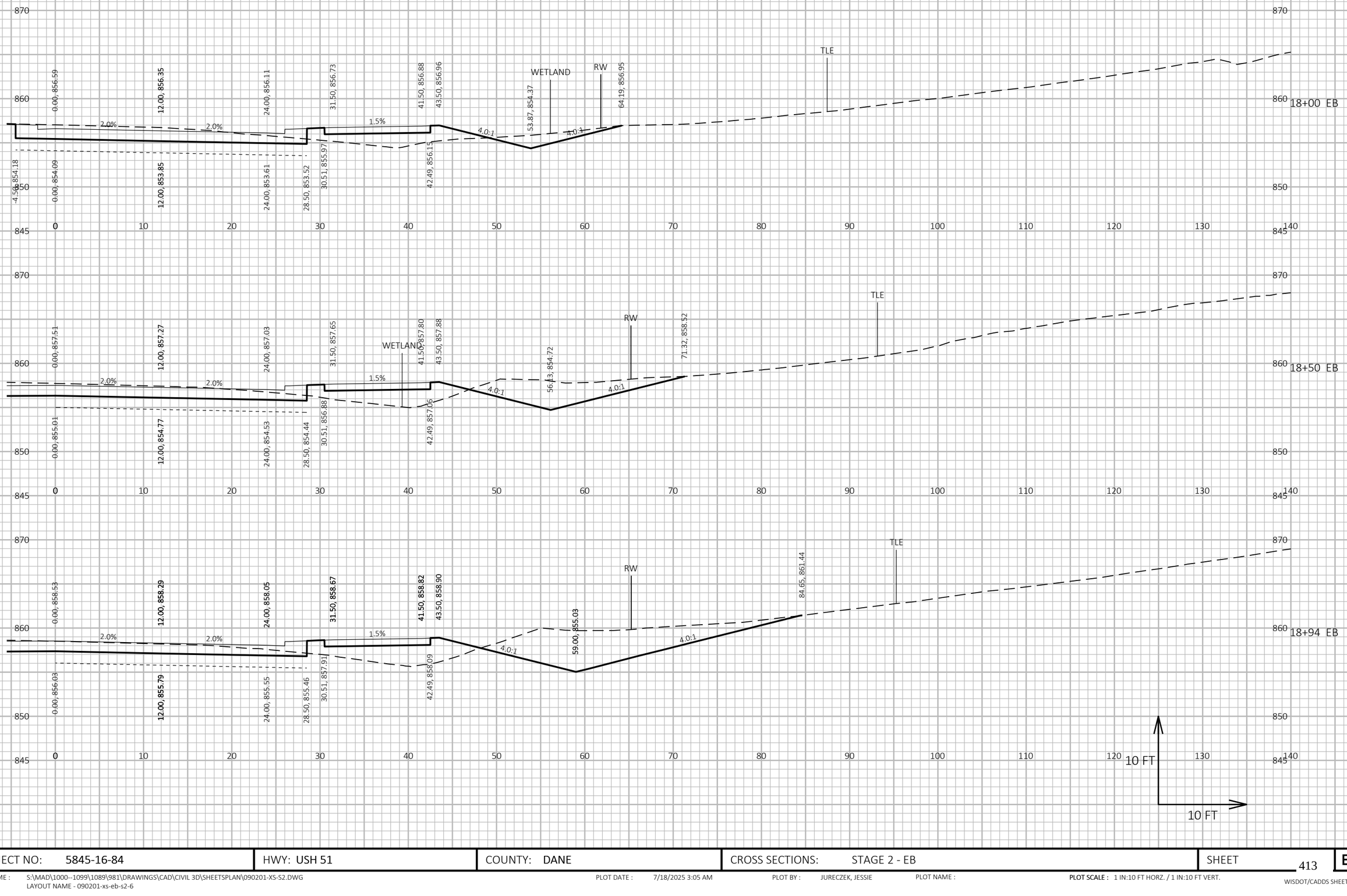


PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: STAGE 2 - EB	SHEET 412	E

FILE NAME : S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201-XS-S2.DWG
LAYOUT NAME - 090201-xs-eb-s2-5

PLOT DATE : 7/22/2025 5:57 PM PLOT BY : JURECZEK, JESSIE PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

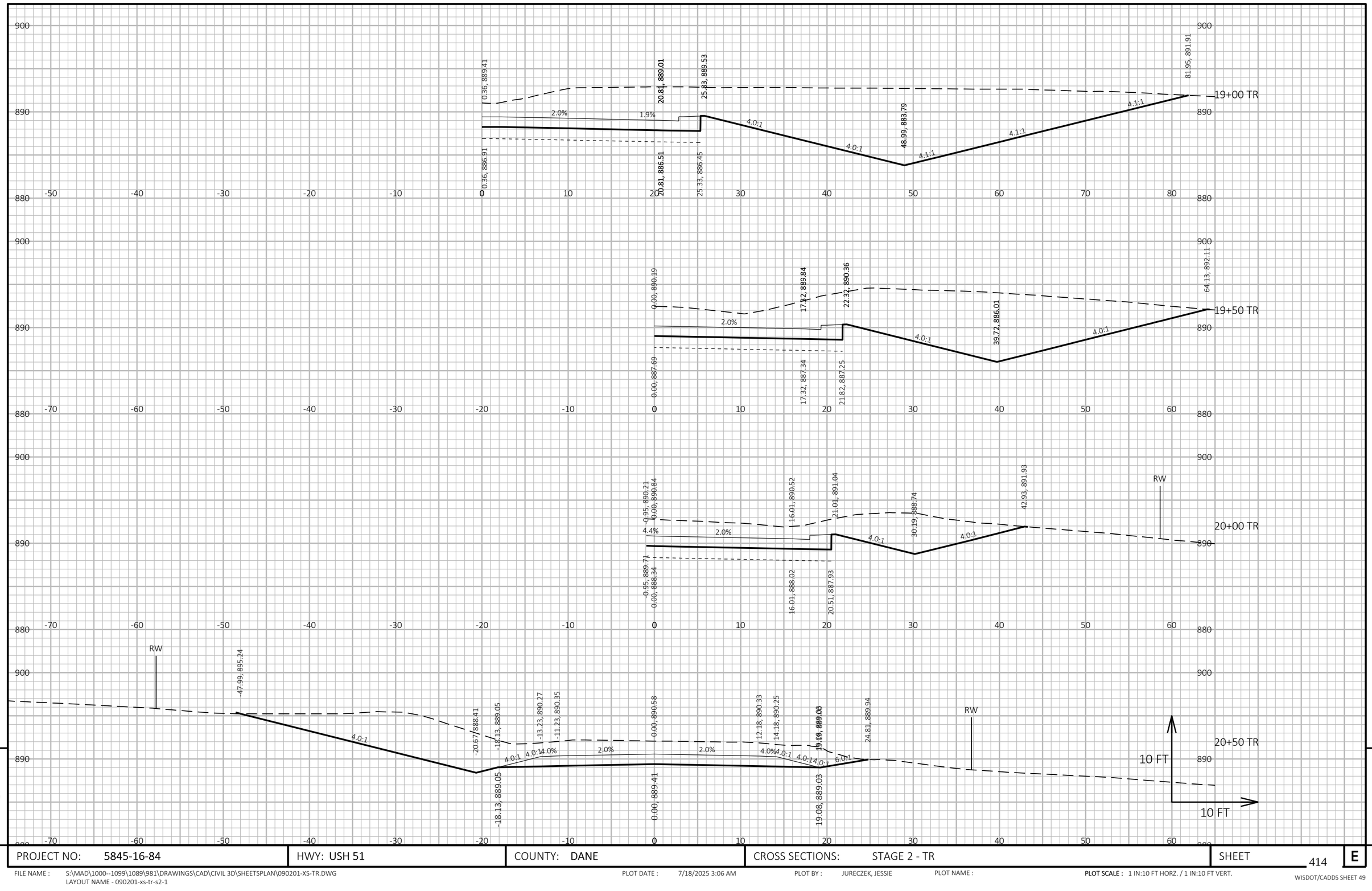


PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: STAGE 2 - EB	SHEET 413 E

FILE NAME : S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201-XS-S2.DWG
LAYOUT NAME - 090201-xs-eb-s2-6

PLOT DATE : 7/18/2025 3:05 AM PLOT BY : JURECZEK, JESSIE PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: STAGE 2 - TR	SHEET 414	E

FILE NAME : S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201-XS-TR.DWG
LAYOUT NAME - 090201-xs-tr-s2-1

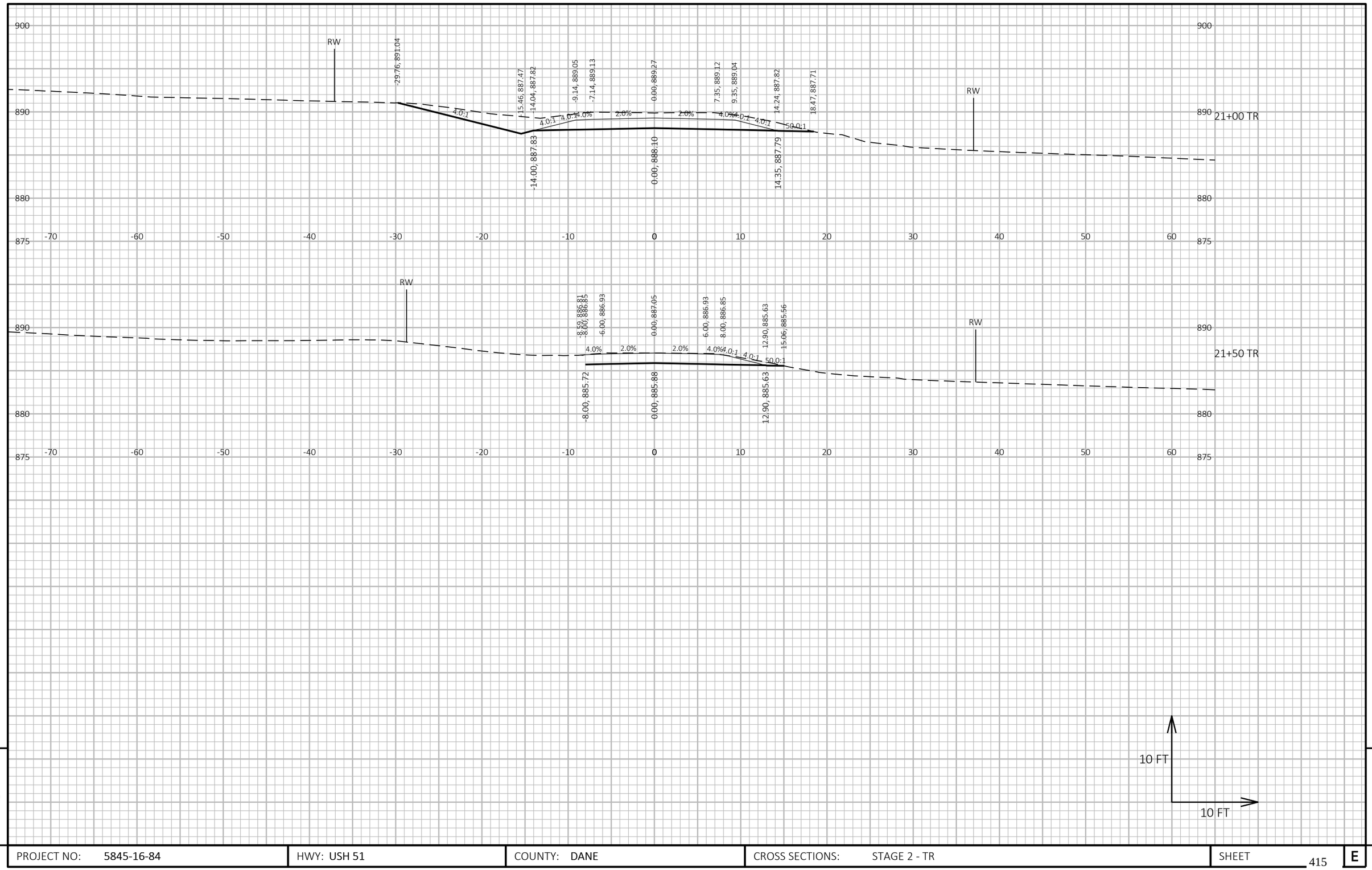
PLOT DATE : 7/18/2025 3:06 AM

PLOT BY : JURECZEK, JESSIE

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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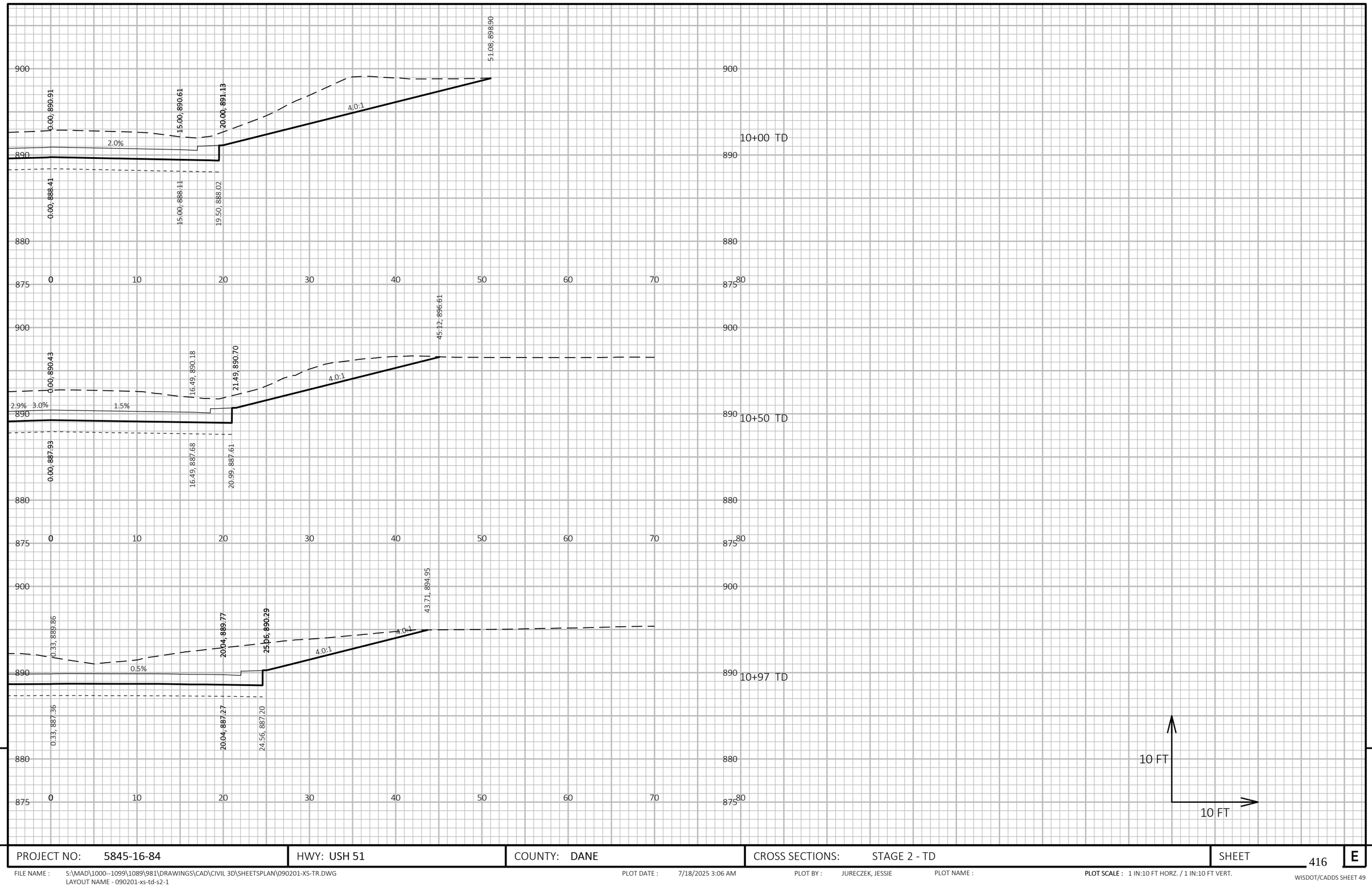
PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: STAGE 2 - TR	SHEET 415	E

FILE NAME : S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201-XS-TR.DWG
LAYOUT NAME - 090201-xs-tr-s2-2

PLOT DATE : 7/18/2025 3:06 AM PLOT BY : JURECZEK, JESSIE PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



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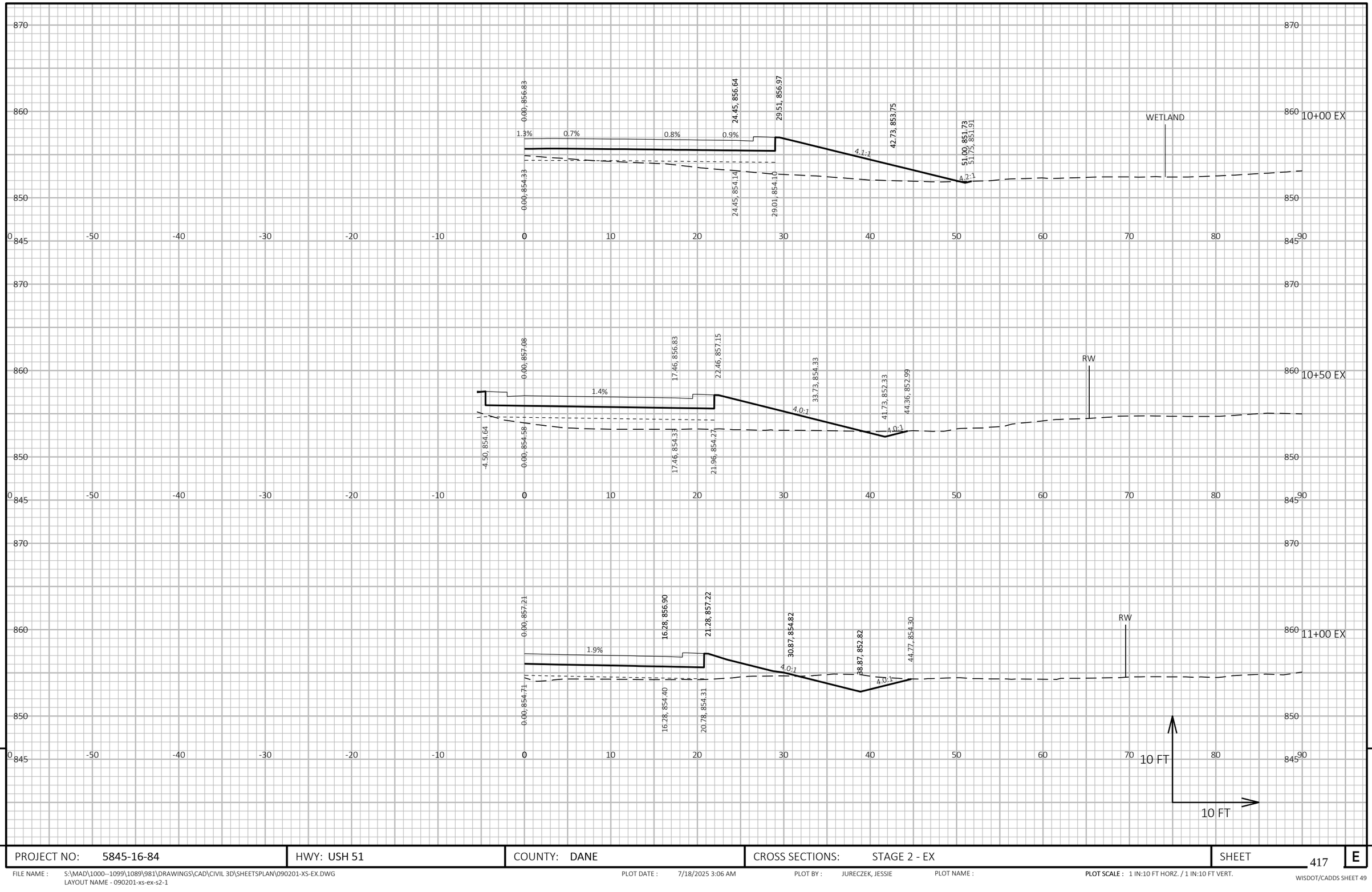
PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: STAGE 2 - TD	SHEET 416	E

FILE NAME : S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201-XS-TR.DWG
LAYOUT NAME - 090201-xs-td-s2-1

PLOT DATE : 7/18/2025 3:06 AM PLOT BY : JURECZEK, JESSIE PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

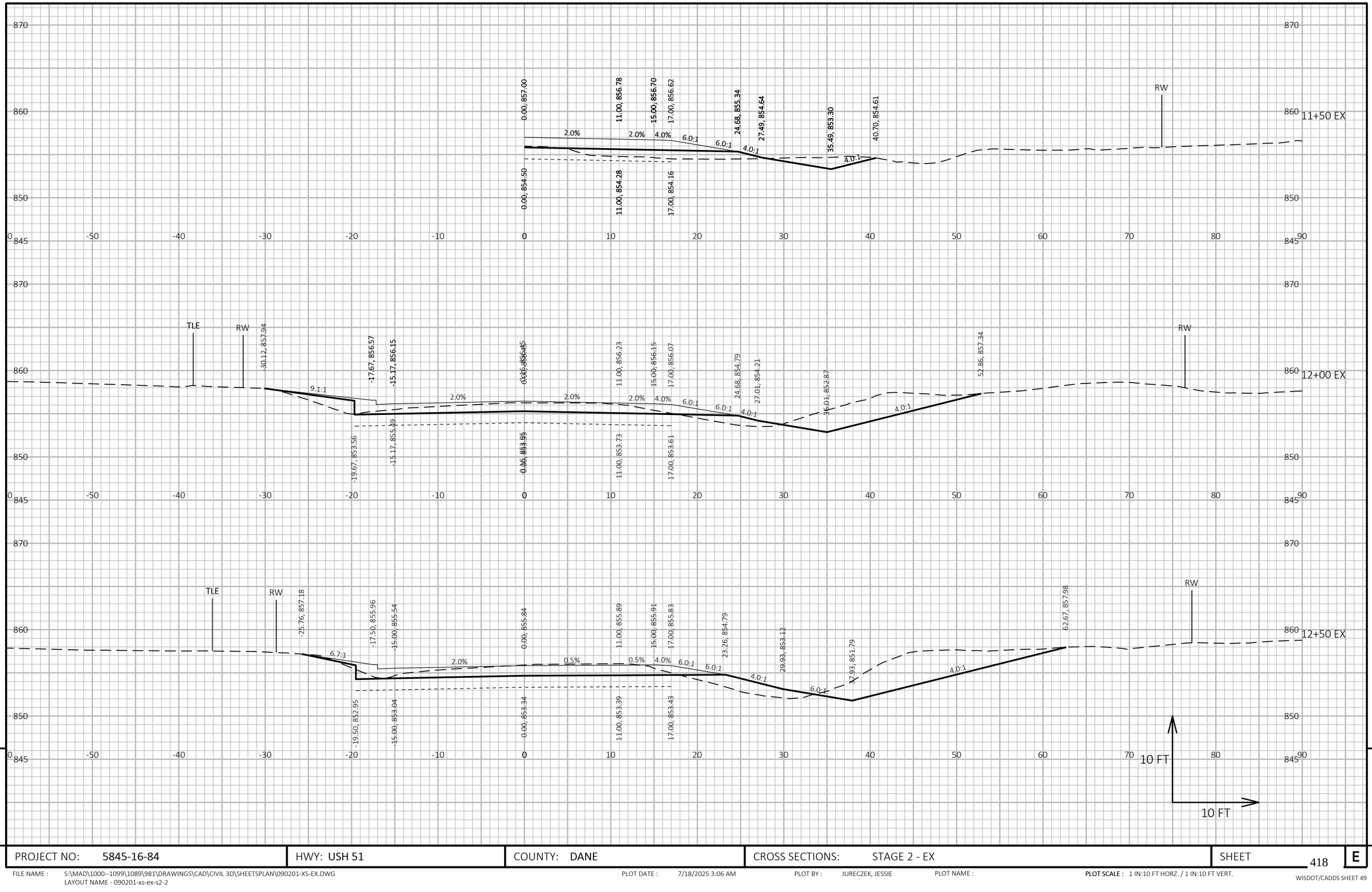


PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: STAGE 2 - EX	SHEET 417	E

FILE NAME : S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201-XS-EX.DWG
LAYOUT NAME - 090201-xs-ex-s2-1

PLOT DATE : 7/18/2025 3:06 AM PLOT BY : JURECZEK, JESSIE PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: STAGE 2 - EX	SHEET 418	E

FILE NAME : S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201-XS-EX.DWG
LAYOUT NAME - 090201-xs-ex-s2-2

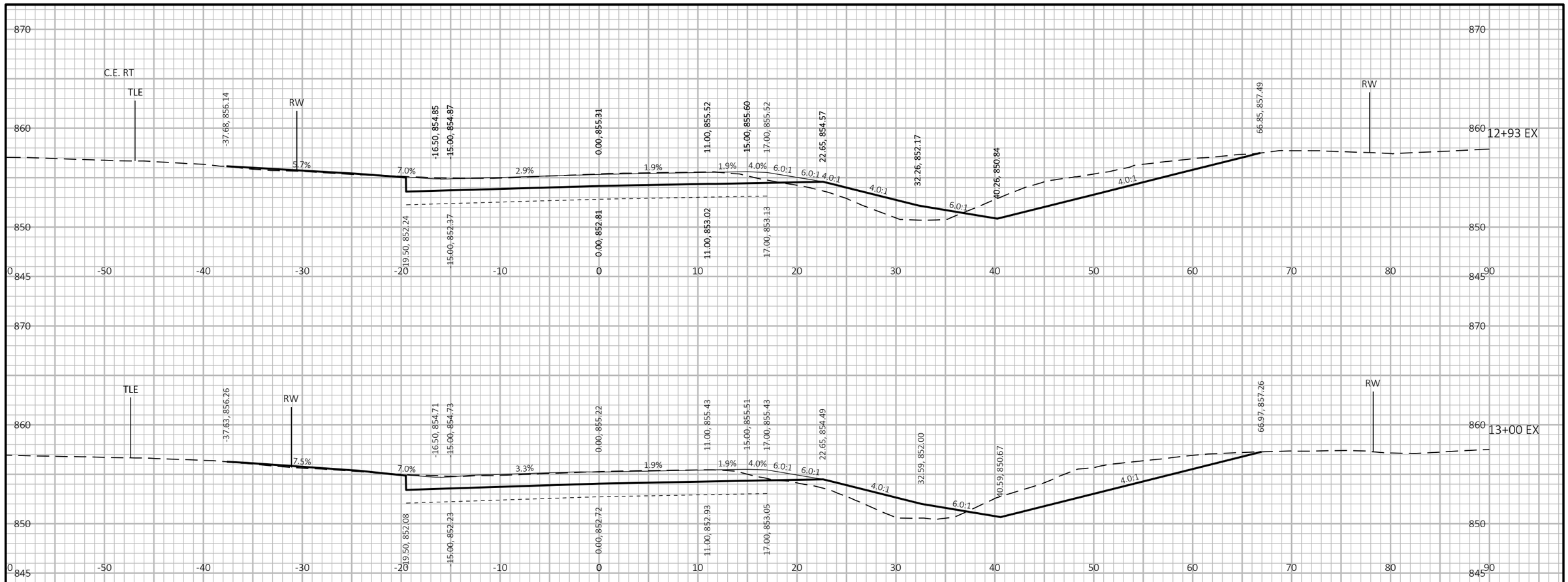
PLOT DATE : 7/18/2025 3:06 AM

PLOT BY : JURECZEK, JESSIE

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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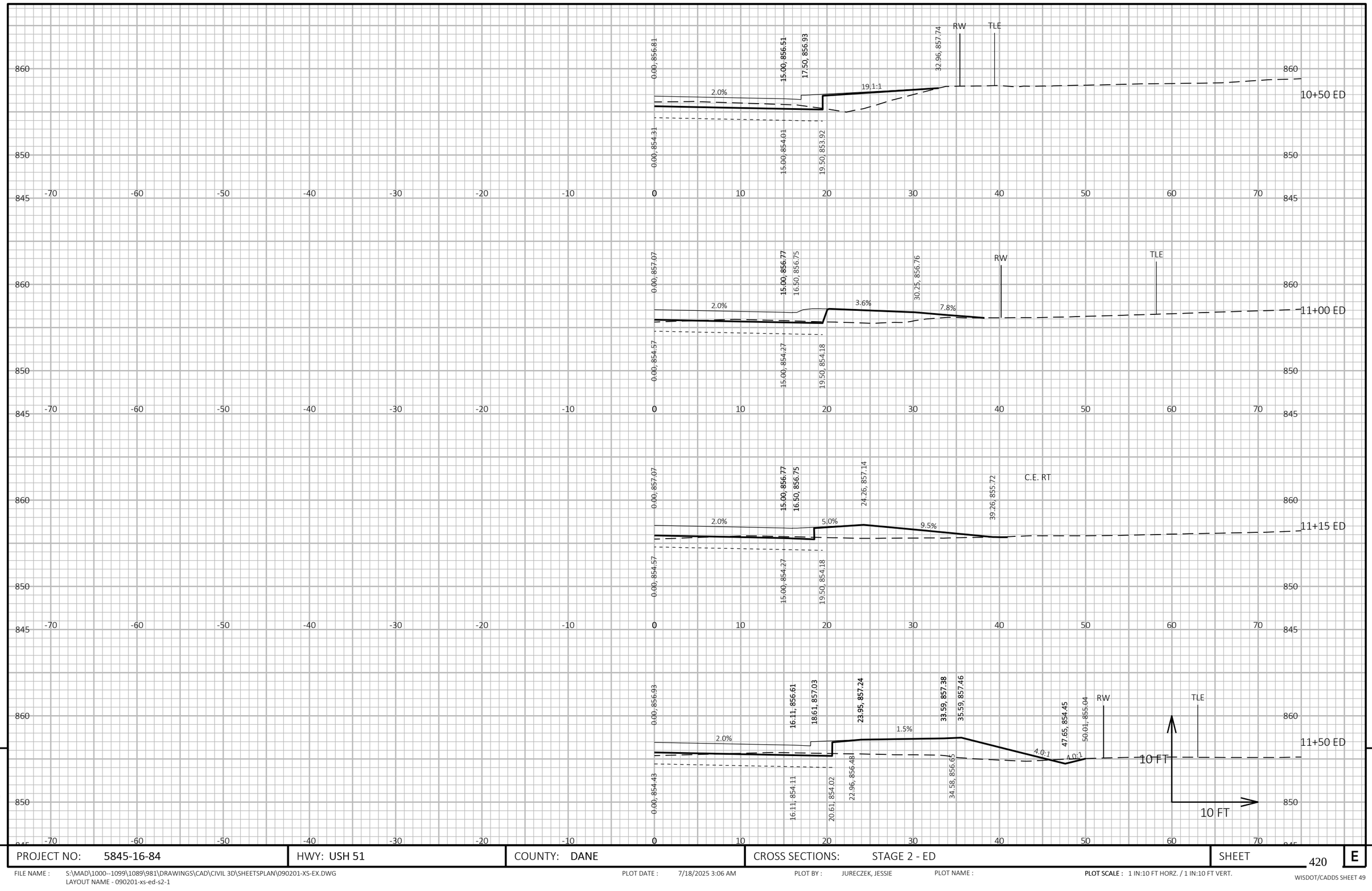
PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: STAGE 2 - EX	SHEET 419	E

FILE NAME : S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201-XS-EX.DWG
LAYOUT NAME - 090201-xs-ex-s2-3

PLOT DATE : 7/18/2025 3:06 AM PLOT BY : JURECZEK, JESSIE PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

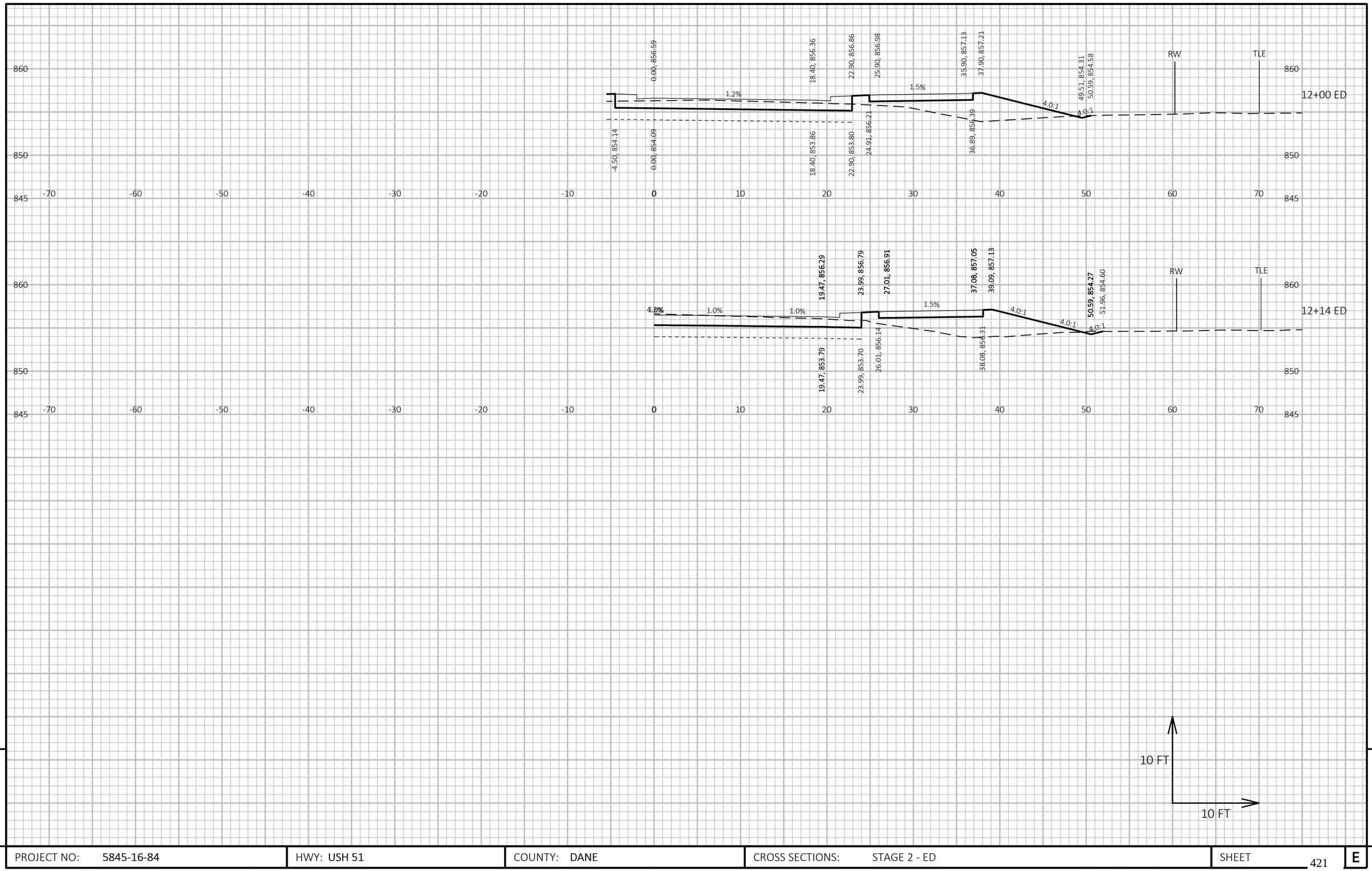


PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: STAGE 2 - ED	SHEET 420	E

FILE NAME : S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201-XS-EX.DWG
LAYOUT NAME - 090201-xs-ed-s2-1

PLOT DATE : 7/18/2025 3:06 AM PLOT BY : JURECZEK, JESSIE PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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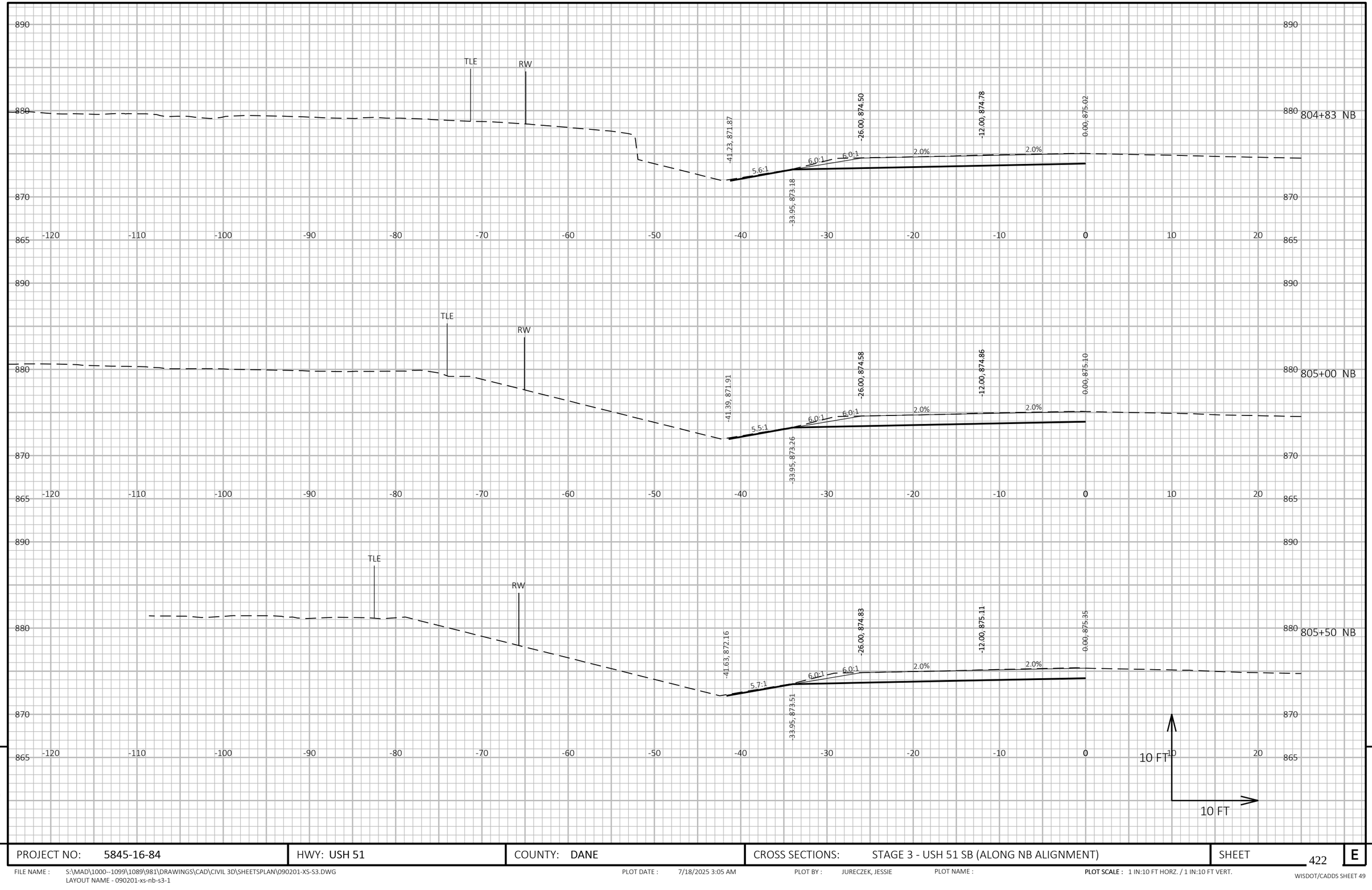
PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: STAGE 2 - ED	SHEET 421	E

FILE NAME : S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201-XS-EX.DWG
LAYOUT NAME - 090201-xs-ed-s2-2

PLOT DATE : 7/18/2025 3:06 AM PLOT BY : JURECZEK, JESSIE PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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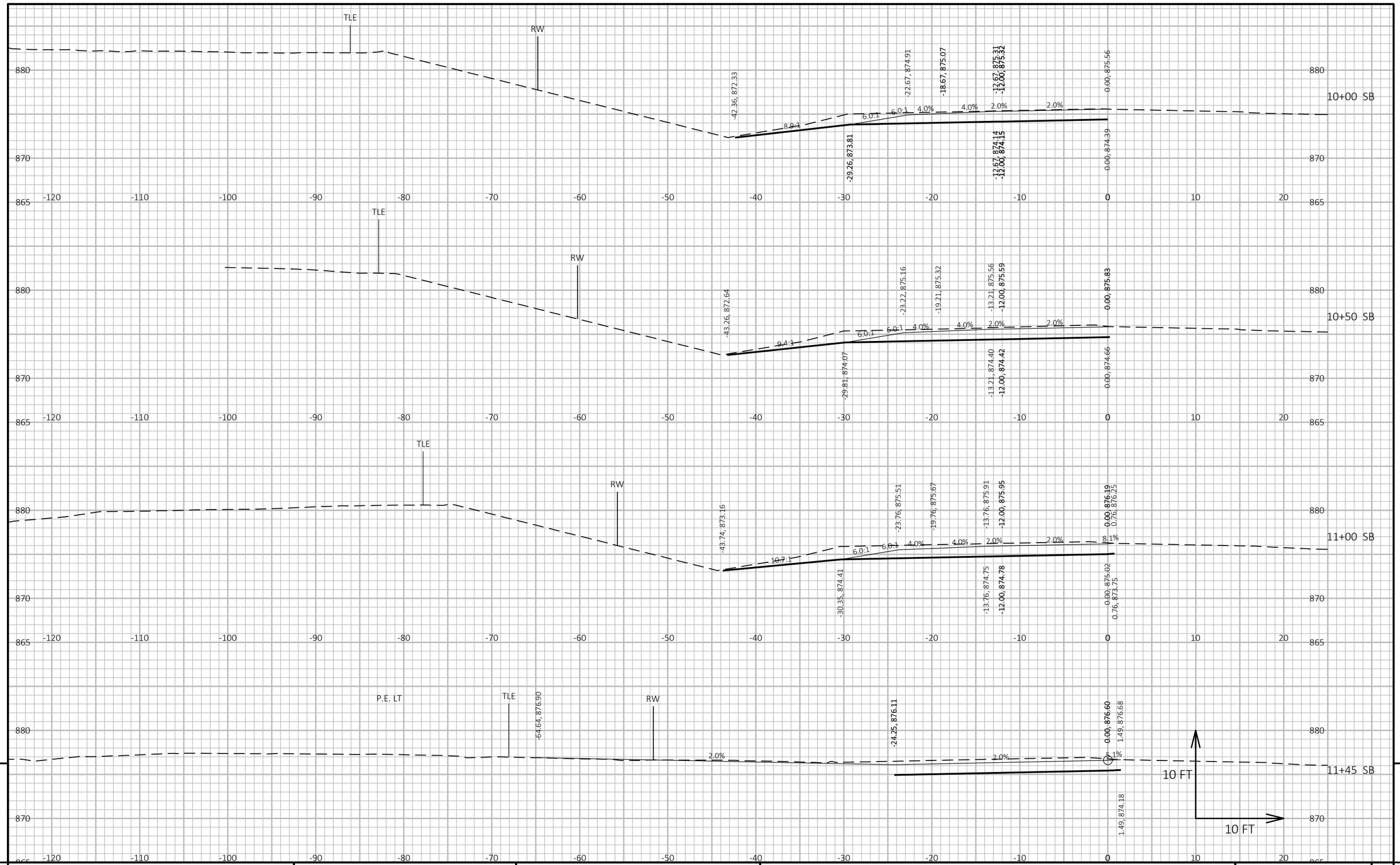
PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: STAGE 3 - USH 51 SB (ALONG NB ALIGNMENT)	SHEET 422	E

FILE NAME : S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201-XS-S3.DWG
LAYOUT NAME - 090201-xs-nb-s3-1

PLOT DATE : 7/18/2025 3:05 AM PLOT BY : JURECZEK, JESSIE PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: STAGE 3 - USH 51 SB	SHEET 423	E

FILE NAME : S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201-XS-S3.DWG
LAYOUT NAME - 090201-xs-sb-s3-1

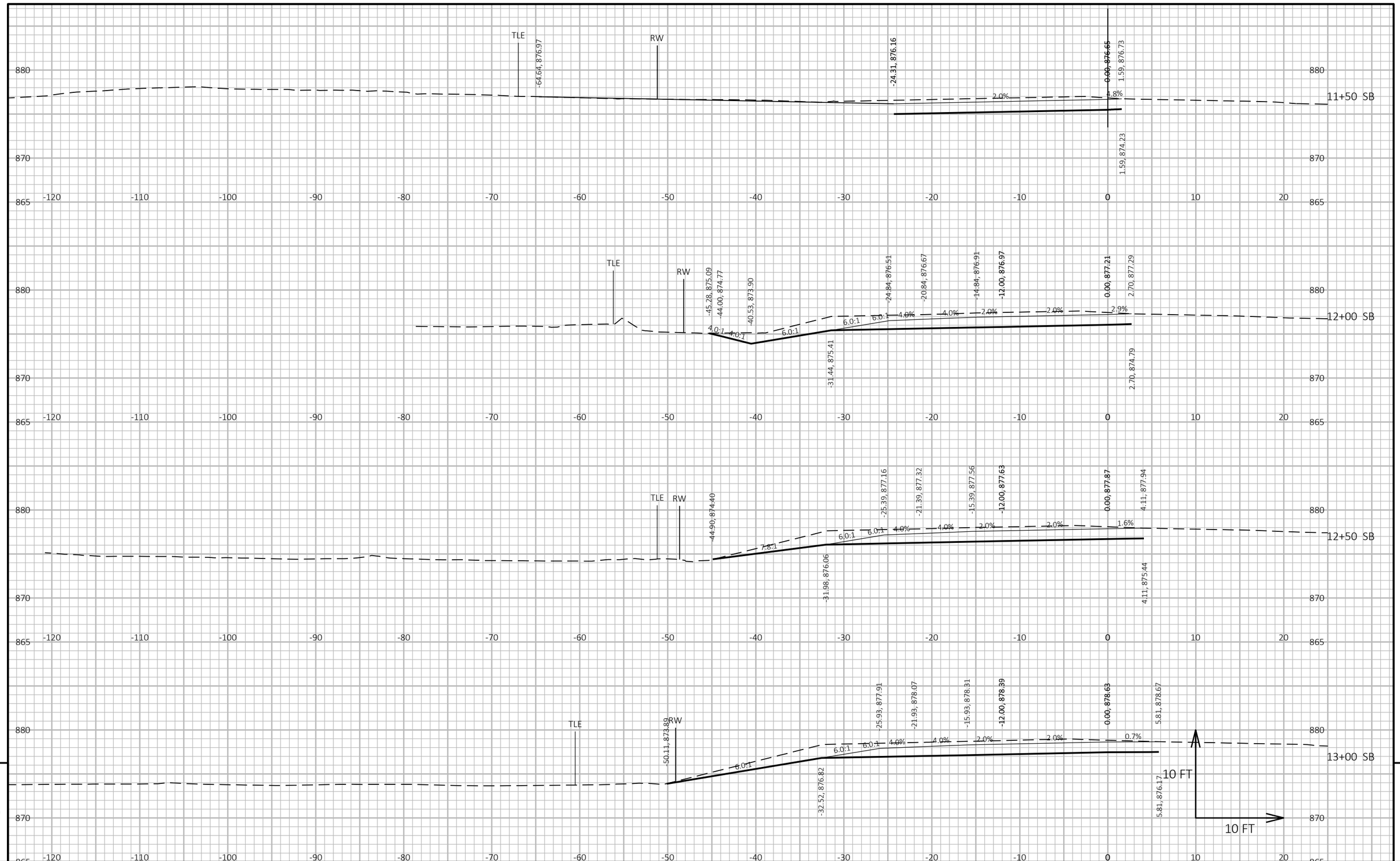
PLOT DATE : 7/18/2025 3:05 AM

PLOT BY : JURECZEK, JESSIE

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



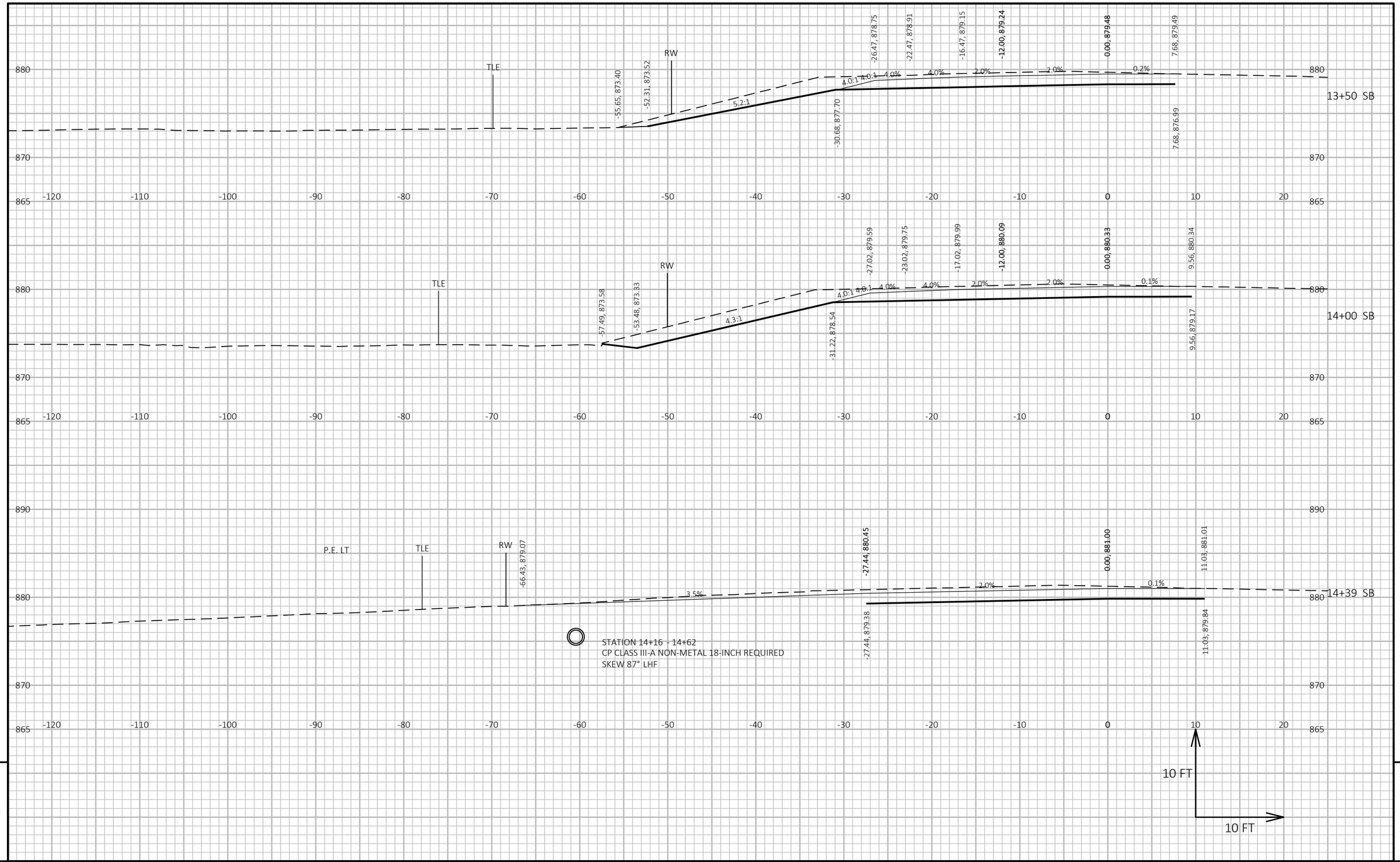
PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: STAGE 3 - USH 51 SB	SHEET 424	E

FILE NAME : S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201-XS-S3.DWG
LAYOUT NAME - 090201-xs-sb-s3-2

PLOT DATE : 7/18/2025 3:06 AM PLOT BY : JURECZEK, JESSIE PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

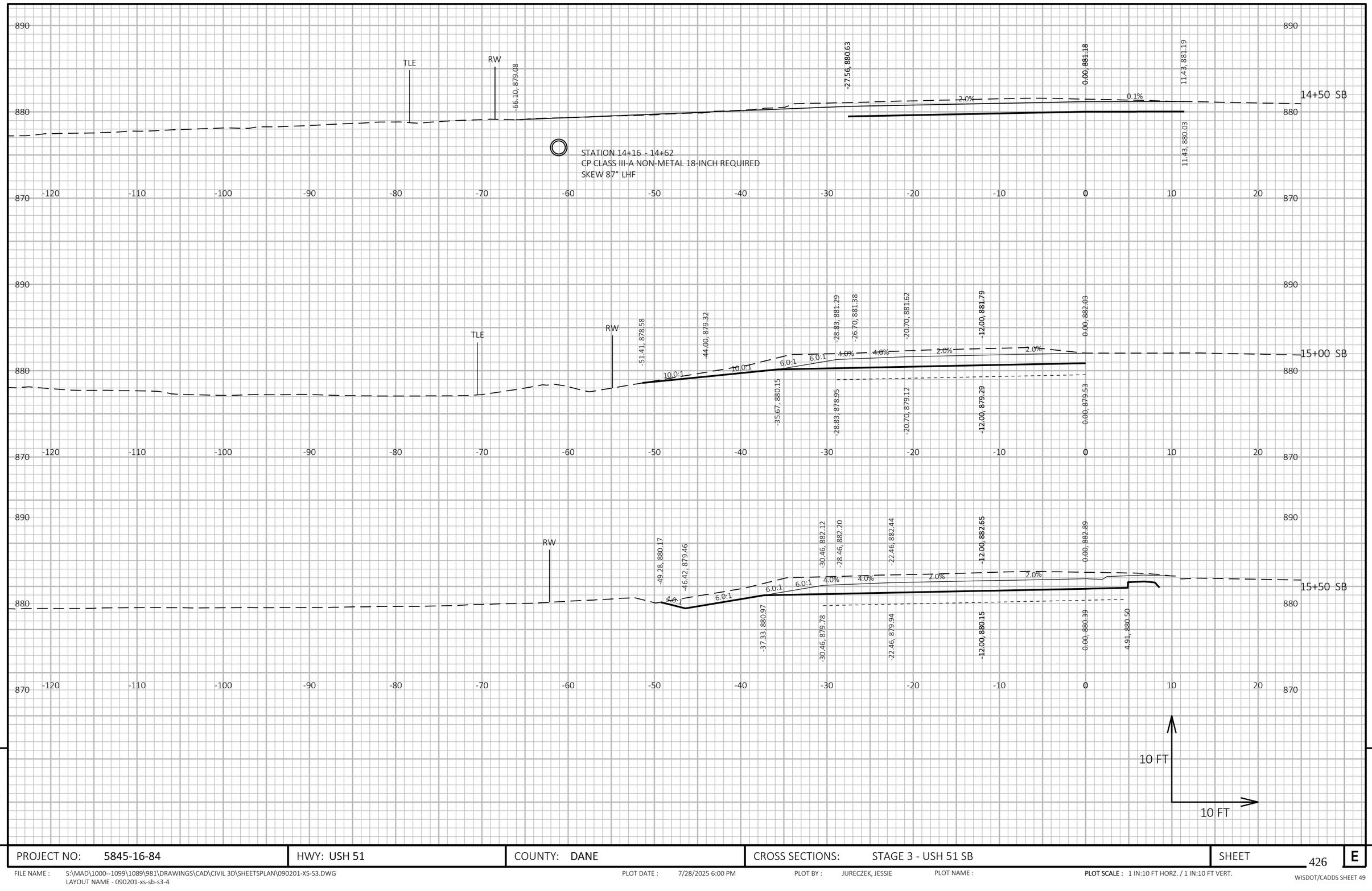
WISDOT/CADDS SHEET 49

9 9



PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: STAGE 3 - USH 51 SB	SHEET 425 E

FILE NAME : S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201-XS-S3.DWG
LAYOUT NAME - 090201-xs-sb-s3-3
PLOT DATE : 7/18/2025 4:33 PM
PLOT BY : JURECZEK, JESSIE
PLOT NAME :
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.
WISDOT/CADDS SHEET 49

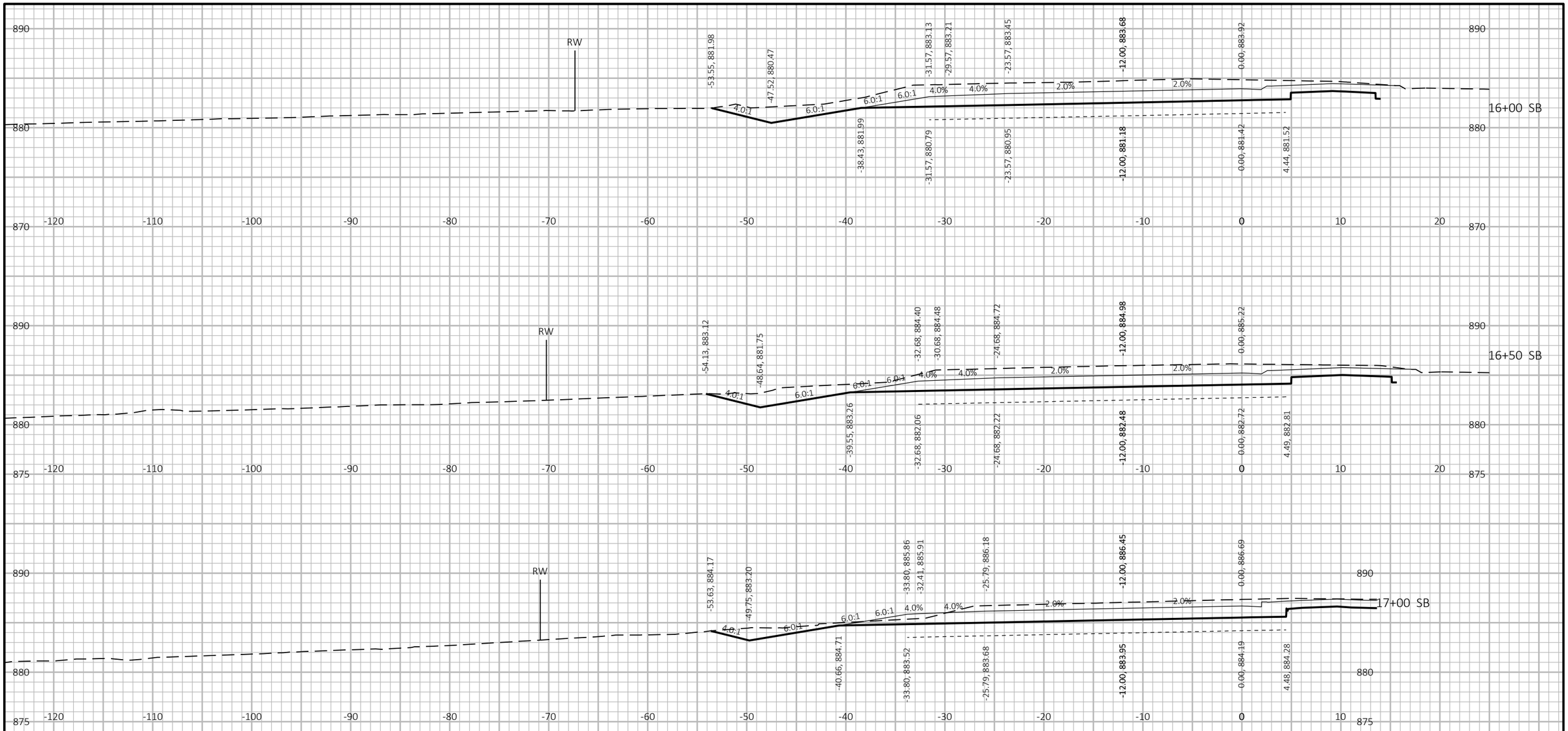


PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: STAGE 3 - USH 51 SB	SHEET 426	E

FILE NAME : S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201-XS-S3.DWG
LAYOUT NAME - 090201-xs-sb-s3-4

PLOT DATE : 7/28/2025 6:00 PM PLOT BY : JURECZEK, JESSIE PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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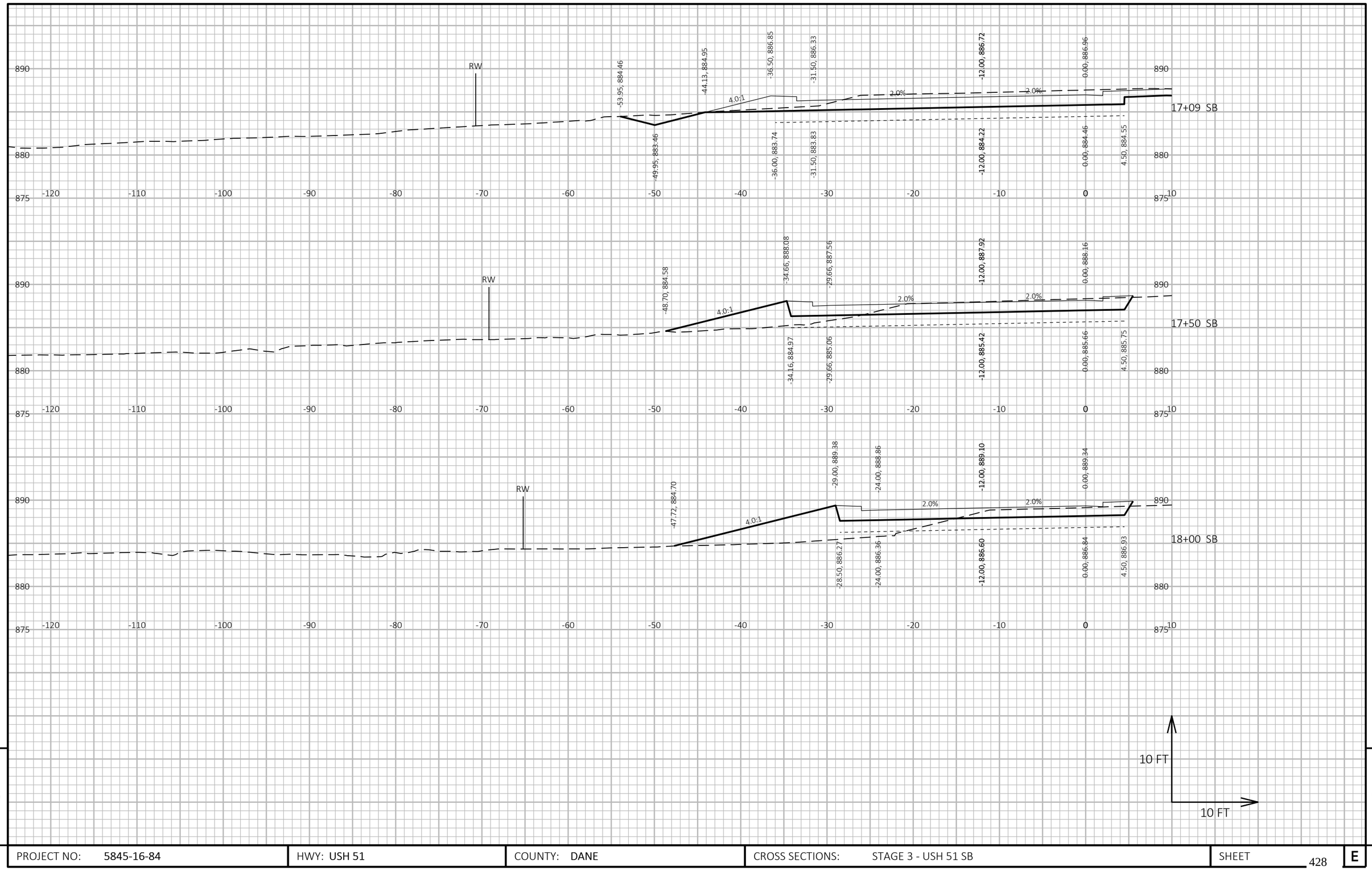
PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: STAGE 3 - USH 51 SB	SHEET 427	E

FILE NAME : S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201-XS-S3.DWG
LAYOUT NAME - 090201-xs-sb-s3-5

PLOT DATE : 7/28/2025 5:59 PM PLOT BY : JURECZEK, JESSIE PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

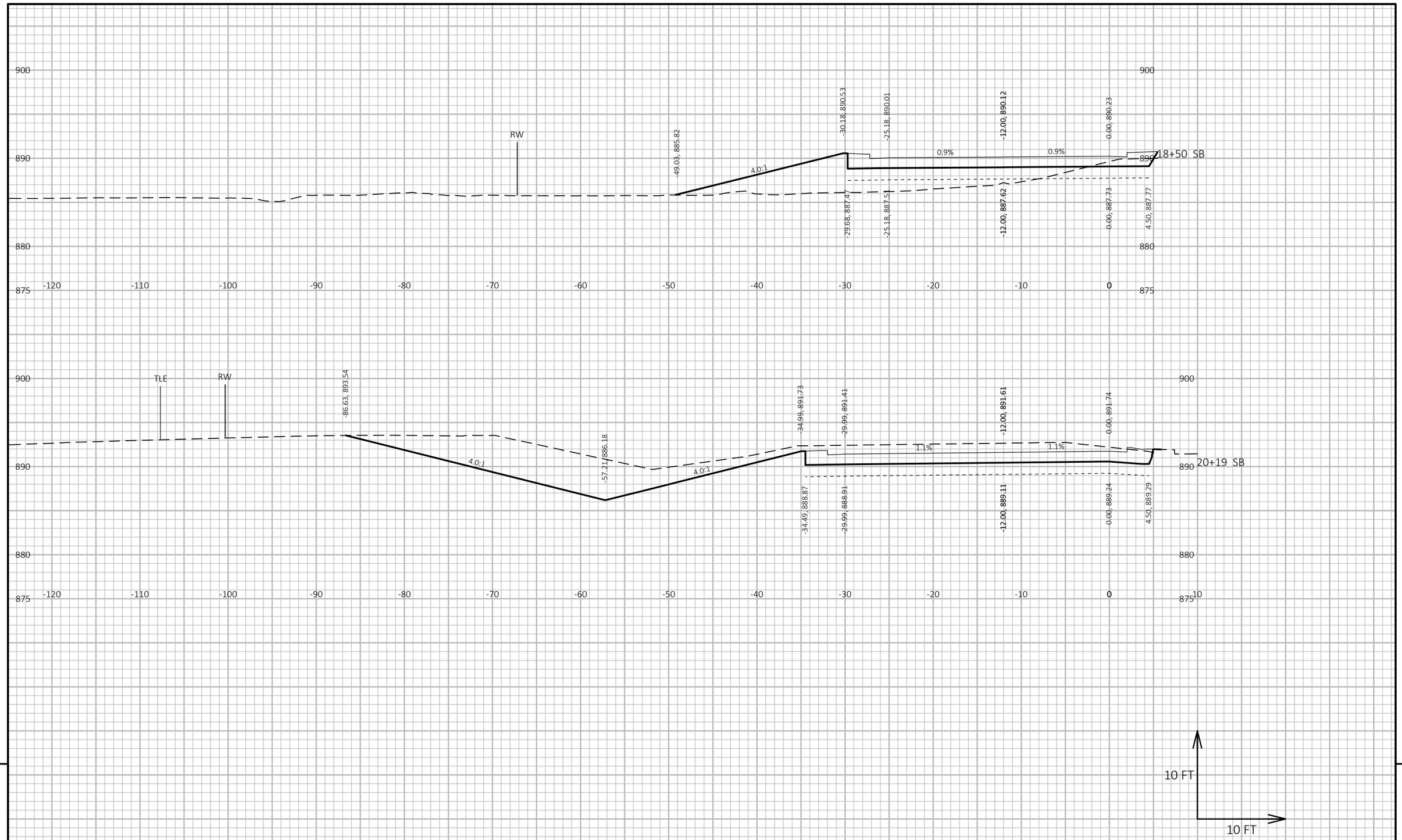


PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: STAGE 3 - USH 51 SB	SHEET 428 E

FILE NAME : S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201-XS-S3.DWG
LAYOUT NAME - 090202-xs-sb-s3-1

PLOT DATE : 7/18/2025 3:06 AM PLOT BY : JURECZEK, JESSIE PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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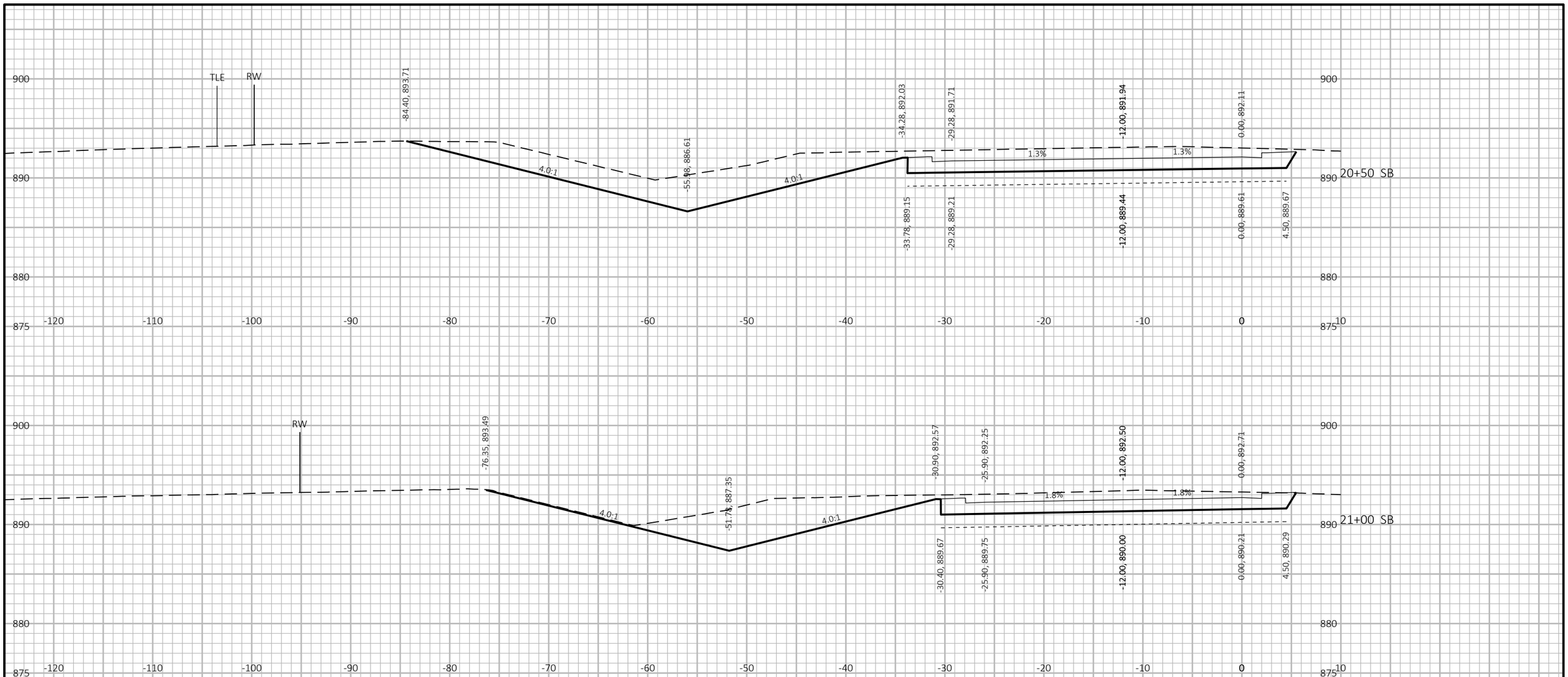
PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: STAGE 3 - USH 51 SB	SHEET 429	E

FILE NAME : S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201-XS-S3.DWG
LAYOUT NAME - 090202-xs-sb-s3-2

PLOT DATE : 7/18/2025 3:06 AM PLOT BY : JURECZEK, JESSIE PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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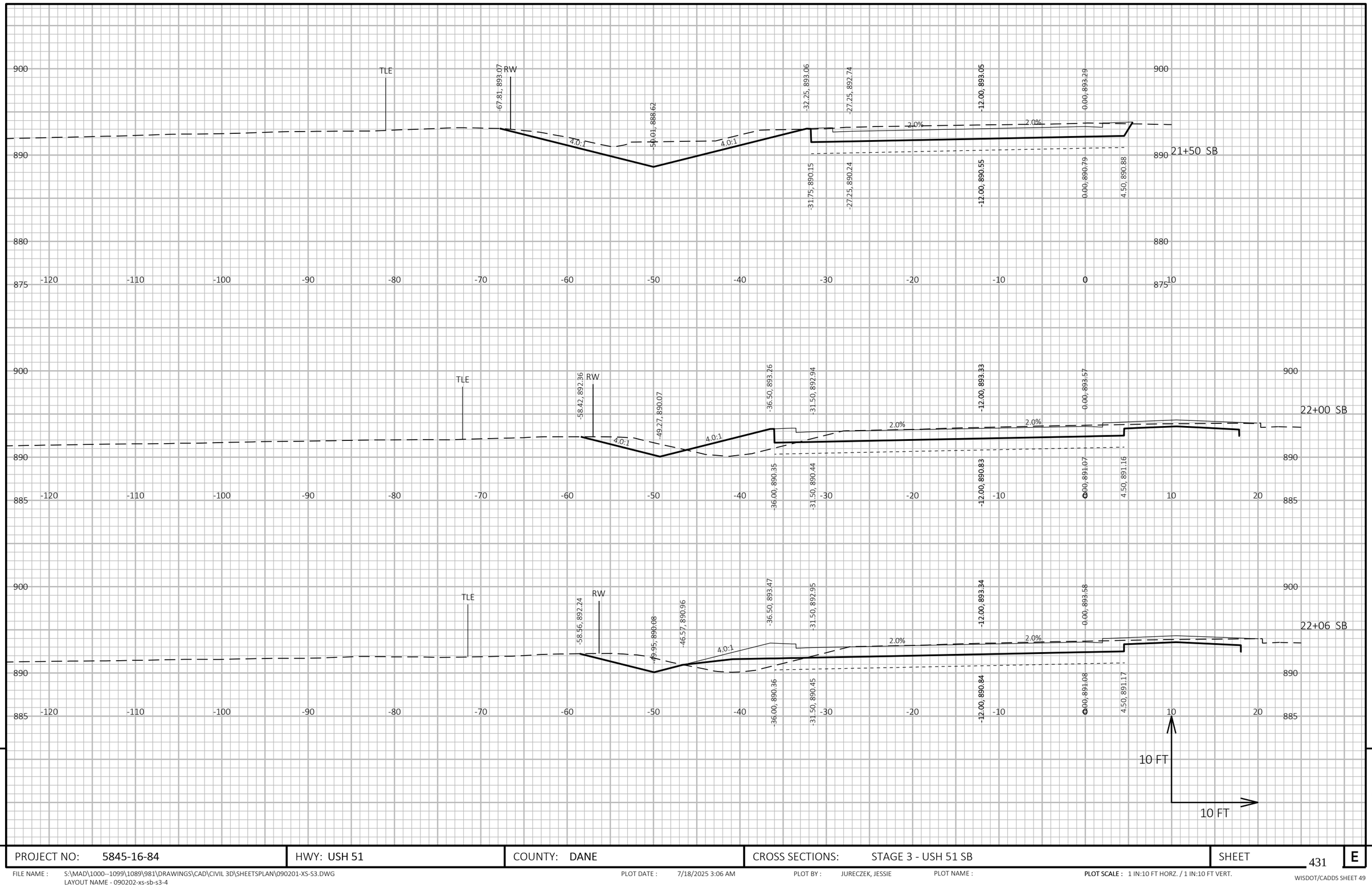
PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: STAGE 3 - USH 51 SB	SHEET 430	E

FILE NAME : S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201-XS-S3.DWG
LAYOUT NAME - 090202-xs-sb-s3-3

PLOT DATE : 7/18/2025 3:06 AM PLOT BY : JURECZEK, JESSIE PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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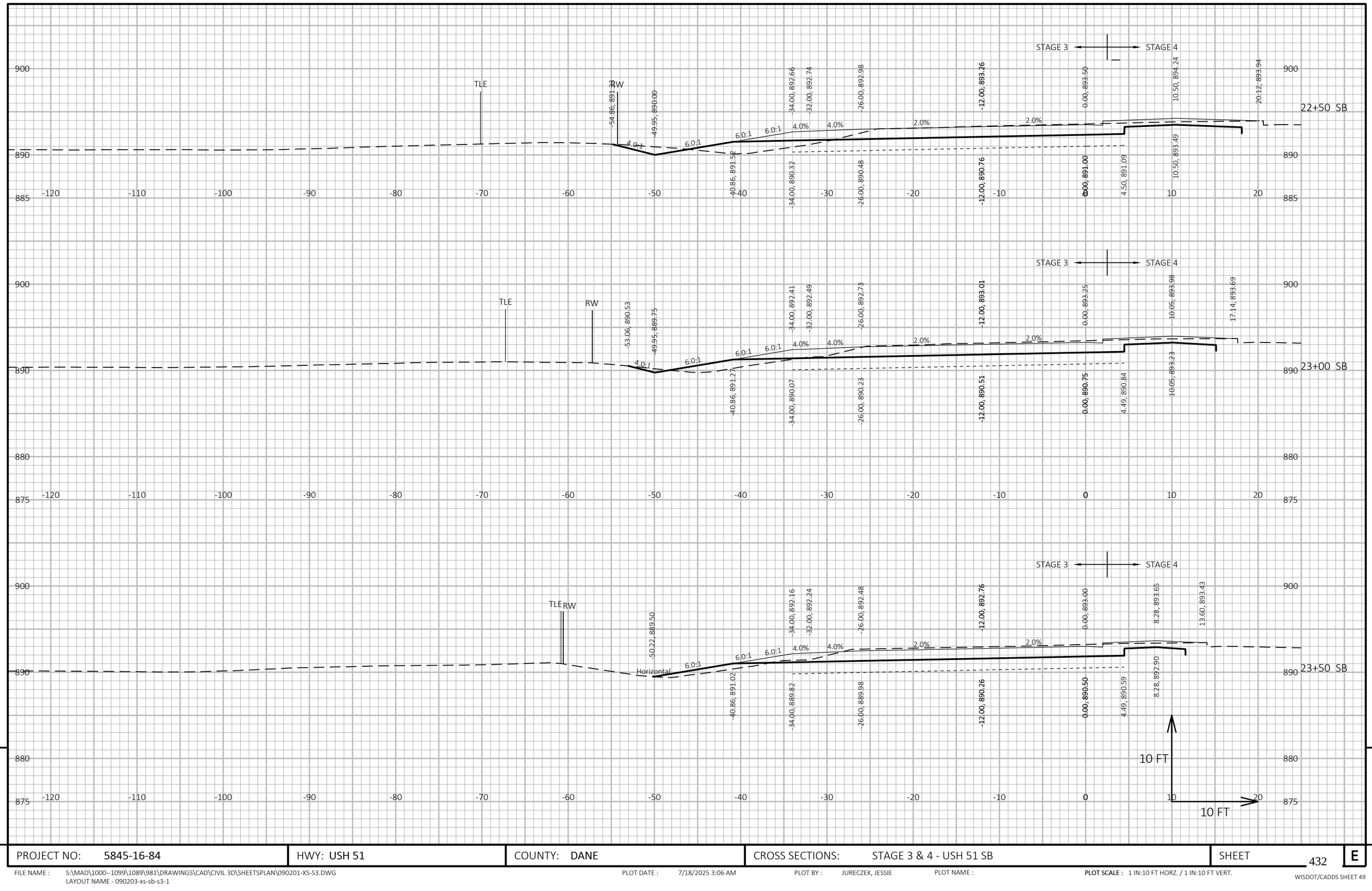
PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: STAGE 3 - USH 51 SB	SHEET 431	E

FILE NAME : S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201-XS-S3.DWG
LAYOUT NAME - 090202-xs-sb-s3-4

PLOT DATE : 7/18/2025 3:06 AM PLOT BY : JURECZEK, JESSIE PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

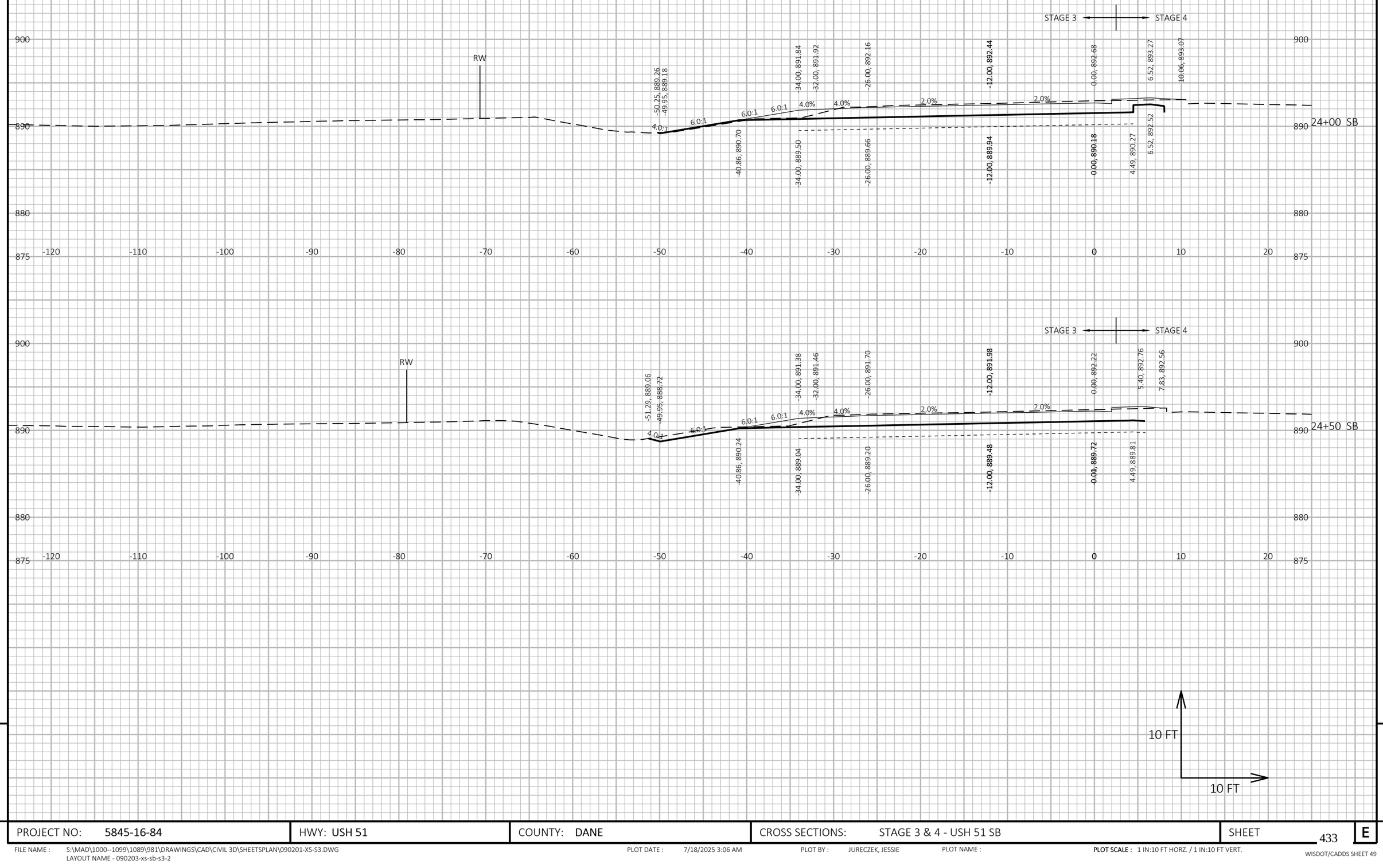


PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: STAGE 3 & 4 - USH 51 SB	SHEET 432 E

FILE NAME : S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201-XS-S3.DWG
LAYOUT NAME - 090203-xs-sb-s3-1

PLOT DATE : 7/18/2025 3:06 AM PLOT BY : JURECZEK, JESSIE PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

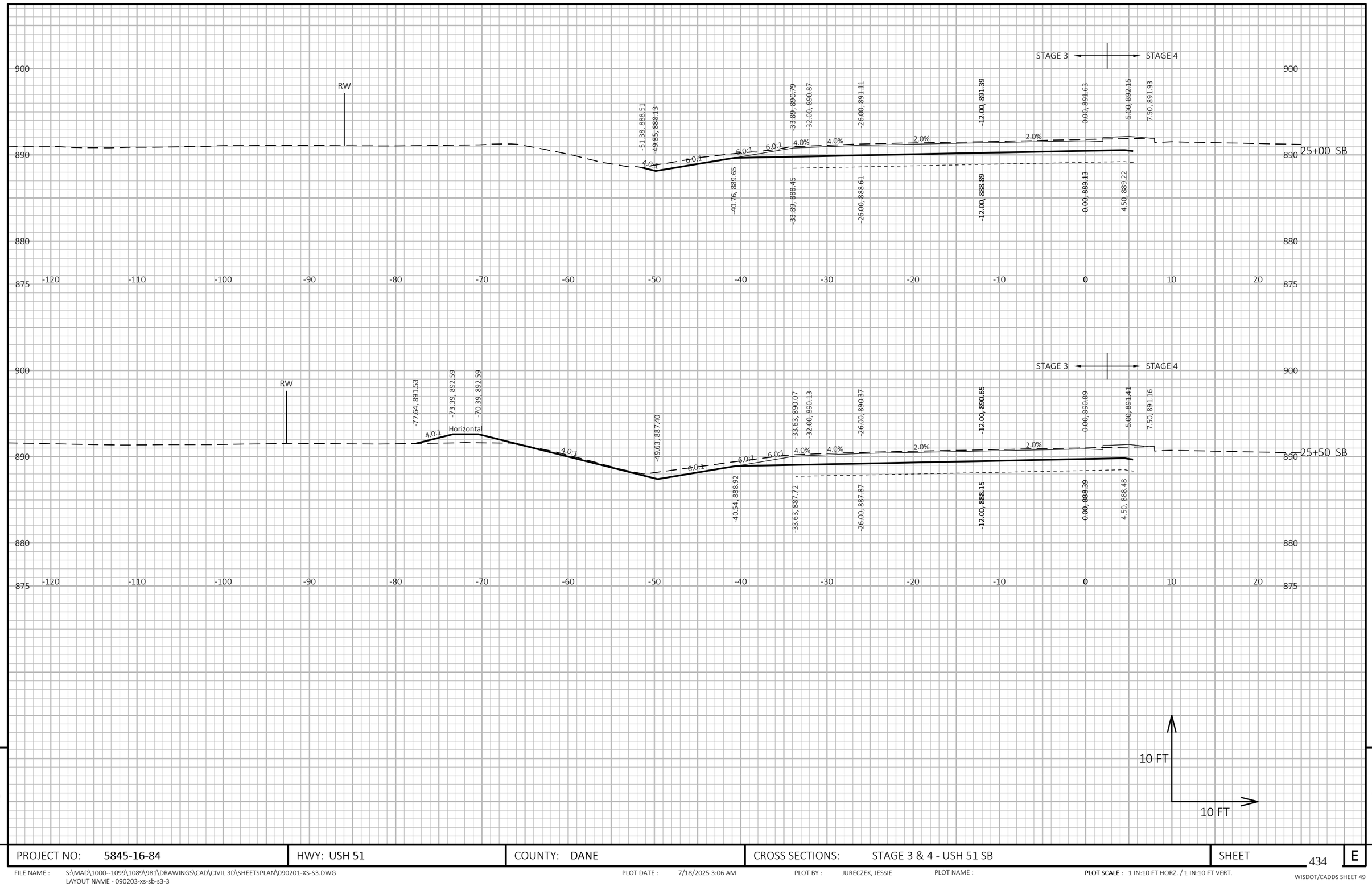


PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: STAGE 3 & 4 - USH 51 SB	SHEET 433	E

FILE NAME : S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201-XS-S3.DWG
LAYOUT NAME - 090203-xs-sb-s3-2

PLOT DATE : 7/18/2025 3:06 AM PLOT BY : JURECZEK, JESSIE PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



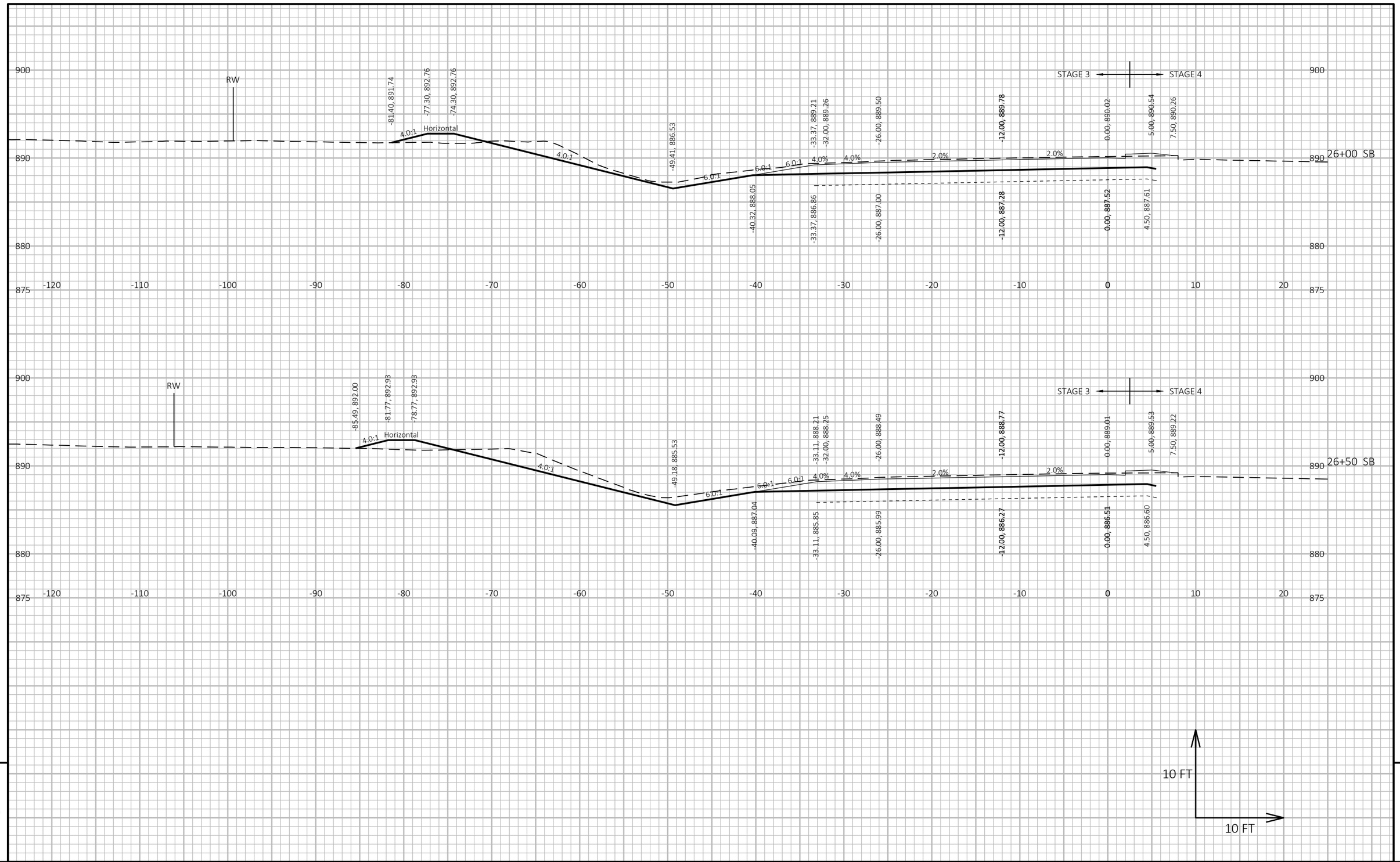
PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: STAGE 3 & 4 - USH 51 SB	SHEET 434	E

FILE NAME : S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201-XS-S3.DWG
LAYOUT NAME - 090203-xs-sb-s3-3

PLOT DATE : 7/18/2025 3:06 AM PLOT BY : JURECZEK, JESSIE PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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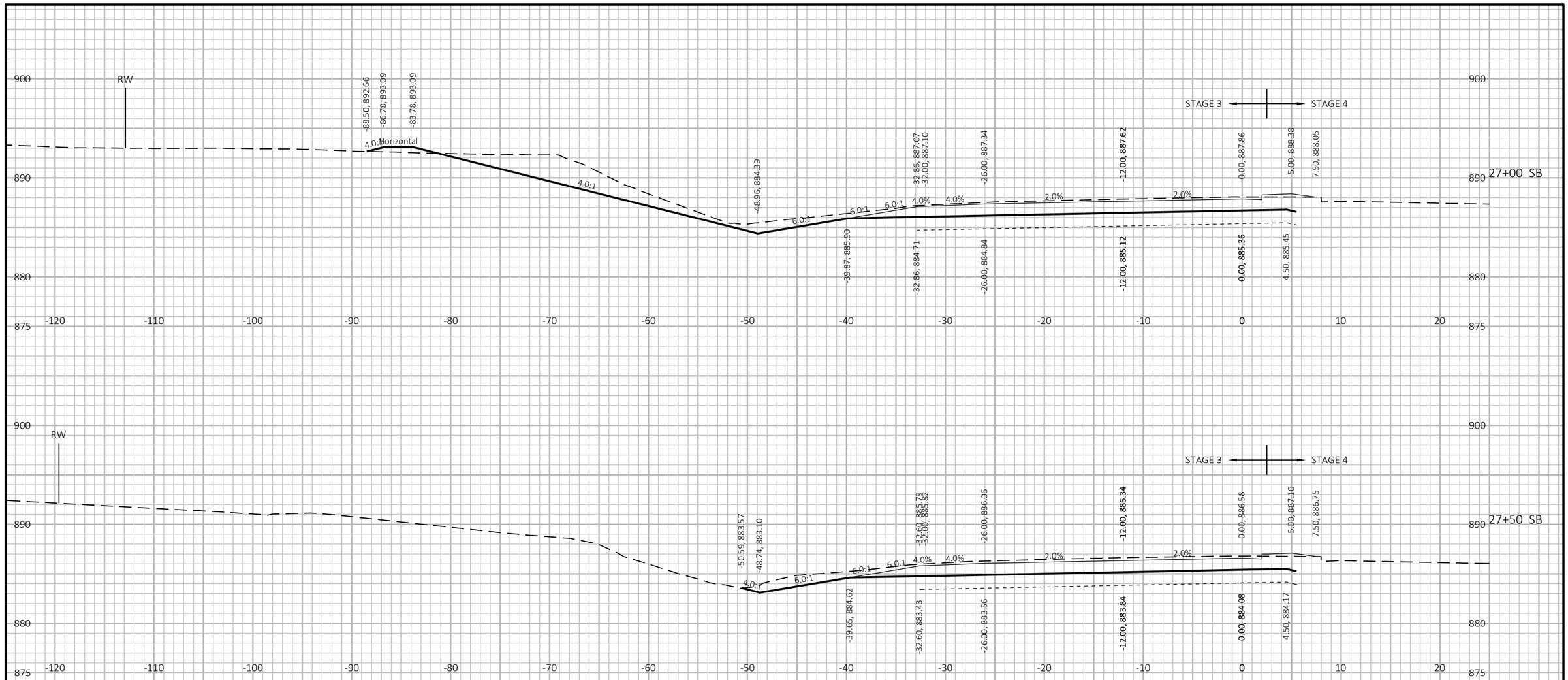
PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: STAGE 3 & 4 - USH 51 SB	SHEET 435	E

FILE NAME : S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201-XS-S3.DWG
LAYOUT NAME - 090203-xs-sb-s3-4

PLOT DATE : 7/18/2025 3:06 AM PLOT BY : JURECZEK, JESSIE PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

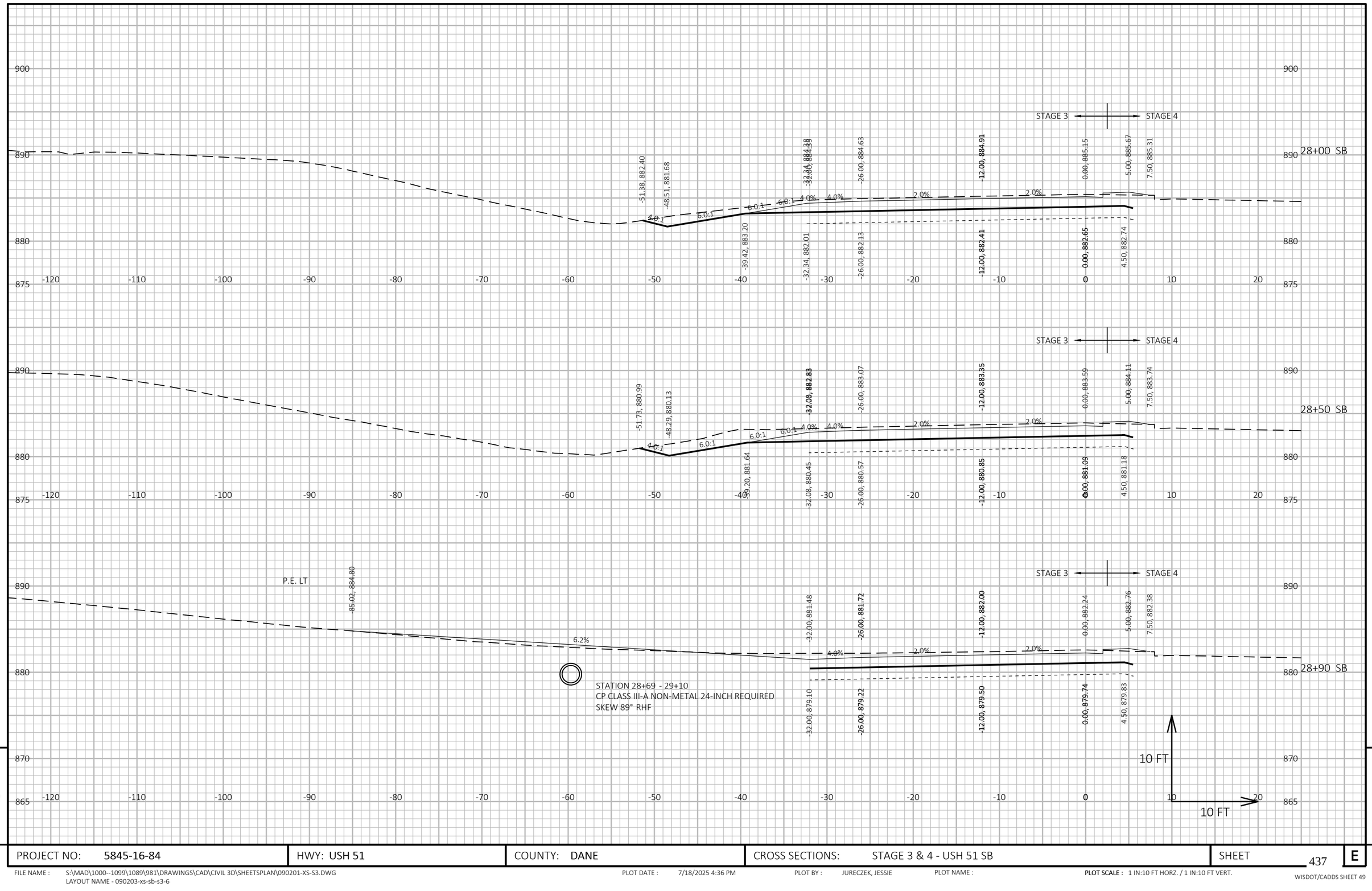


PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: STAGE 3 & 4 - USH 51 SB	SHEET 436	E

FILE NAME : S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201-XS-S3.DWG
LAYOUT NAME - 090203-xs-sb-s3-5

PLOT DATE : 7/18/2025 3:06 AM PLOT BY : JURECZEK, JESSIE PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: STAGE 3 & 4 - USH 51 SB	SHEET 437	E

FILE NAME : S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201-XS-S3.DWG
LAYOUT NAME - 090203-xs-sb-s3-6

PLOT DATE : 7/18/2025 4:36 PM PLOT BY : JURECZEK, JESSIE PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

STAGE 3 — STAGE 4

STATION 28+69 - 29+10
CP CLASS III-A NON-METAL 24-INCH REQUIRED
SKEW 89° RHF

-32.00, 881.13 | -26.00, 881.37 | -12.00, 881.65 | 0.00, 881.89 | 5.00, 882.41 | 7.50, 882.03
-32.00, 878.75 | -26.00, 878.87 | -12.00, 879.15 | 0.00, 879.39 | 4.50, 879.48

4.0% | 2.0% | 2.0%

29+00 SB

RW

-57.09, 876.36 | -54.09, 875.61 | -44.00, 877.29 | -39.13, 878.10 | -32.00, 879.29 | -26.00, 879.53 | -12.00, 879.81 | 0.00, 880.05 | 5.00, 880.57 | 7.50, 880.19
-32.00, 876.91 | -26.00, 877.03 | -12.00, 877.31 | 0.00, 877.55 | 4.50, 877.64

4.0% | 6.0:1 | 6.0:1 | 6.0:1 | 6.0:1 | 6.0:1 | 4.0% | 2.0% | 2.0%

29+50 SB

890 | 880 | 870 | 865

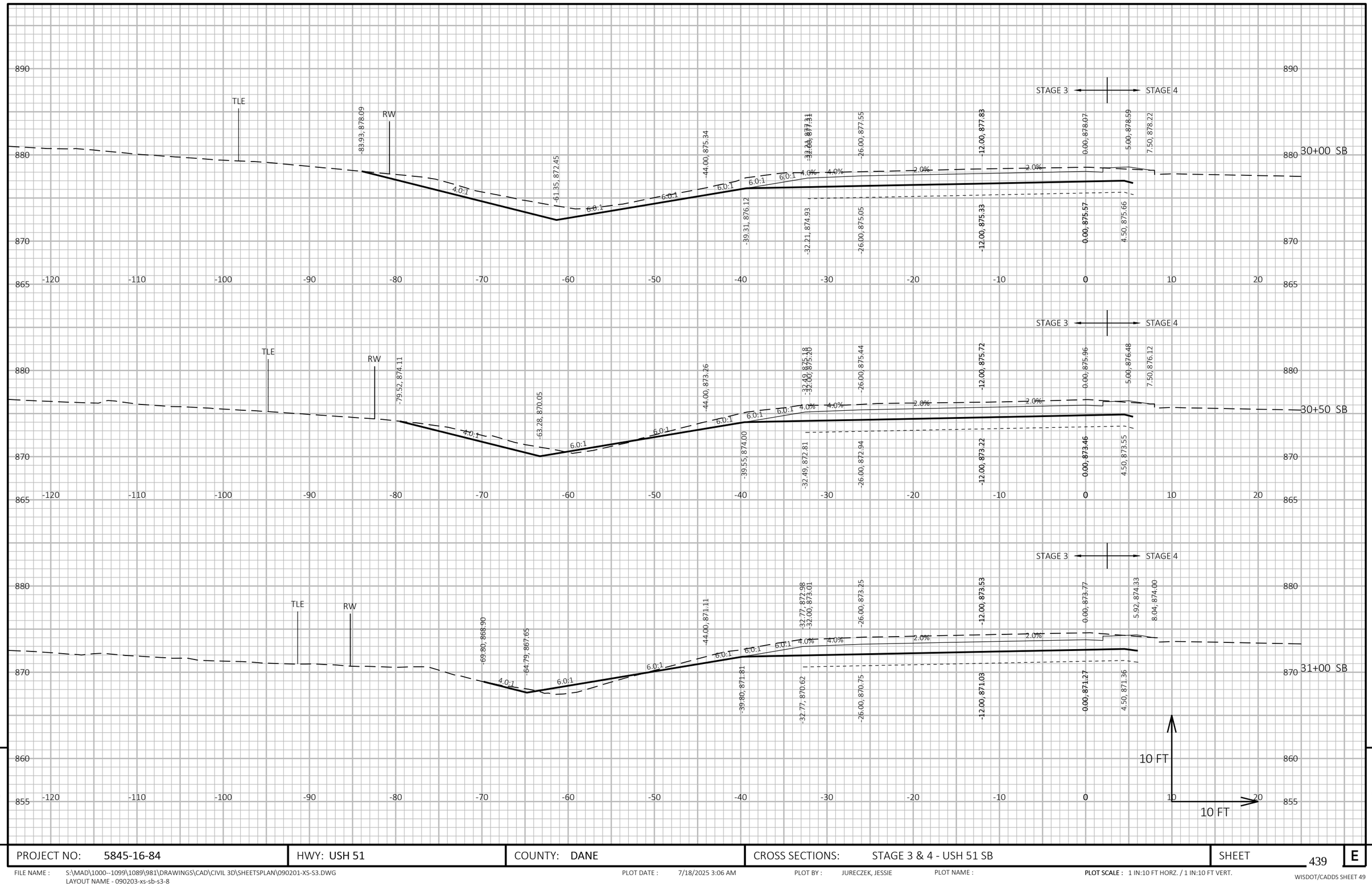
-120 -110 -100 -90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20

10 FT
10 FT

9 9

PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: STAGE 3 & 4 - USH 51 SB	SHEET 438	E

FILE NAME : S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201-XS-S3.DWG
LAYOUT NAME - 090203-xs-sb-s3-7
PLOT DATE : 7/18/2025 4:36 PM
PLOT BY : JURECZEK, JESSIE
PLOT NAME :
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.
WISDOT/CADDS SHEET 49

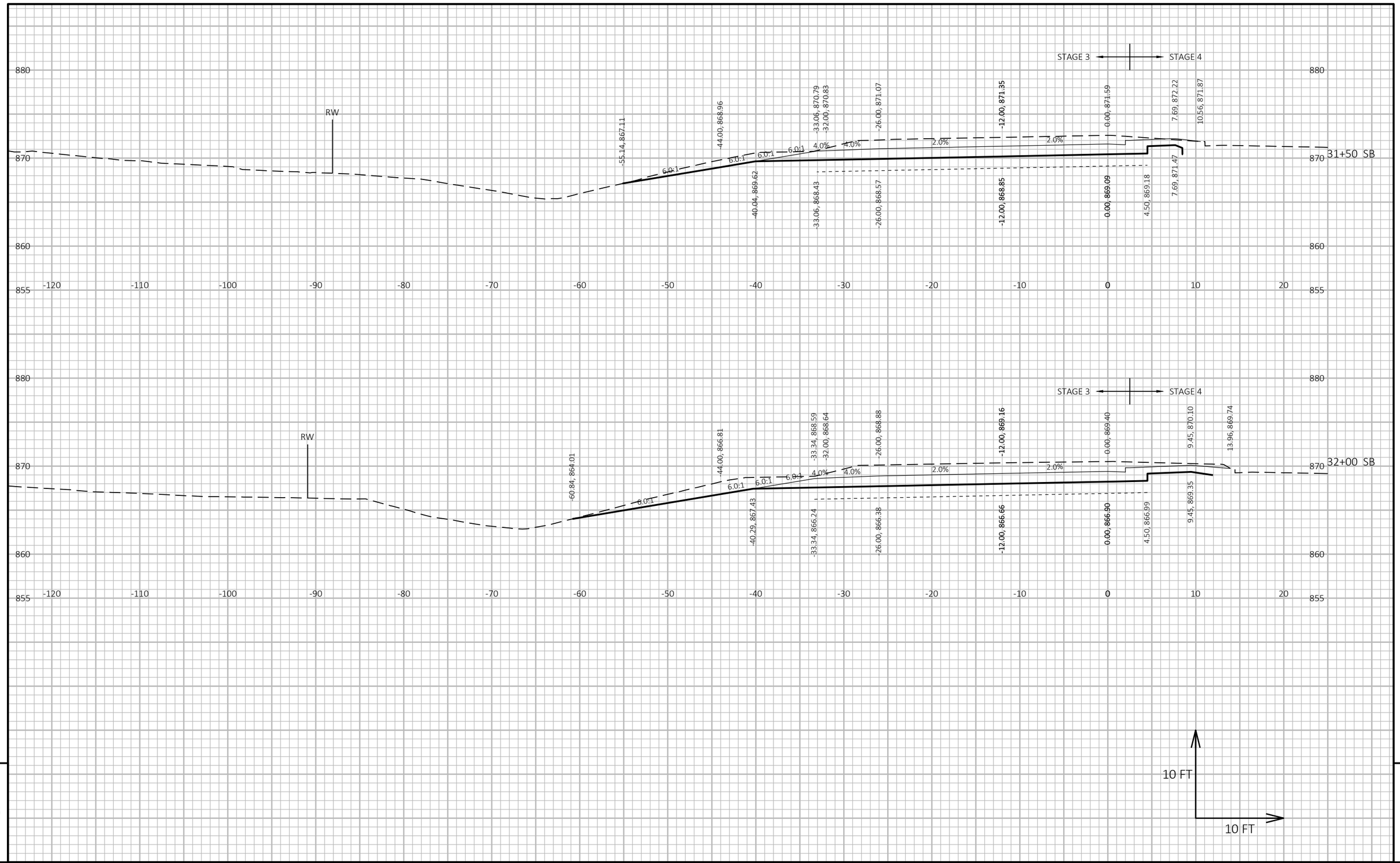


PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: STAGE 3 & 4 - USH 51 SB	SHEET 439	E

FILE NAME : S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201-XS-S3.DWG
LAYOUT NAME - 090203-xs-sb-s3-8

PLOT DATE : 7/18/2025 3:06 AM PLOT BY : JURECZEK, JESSIE PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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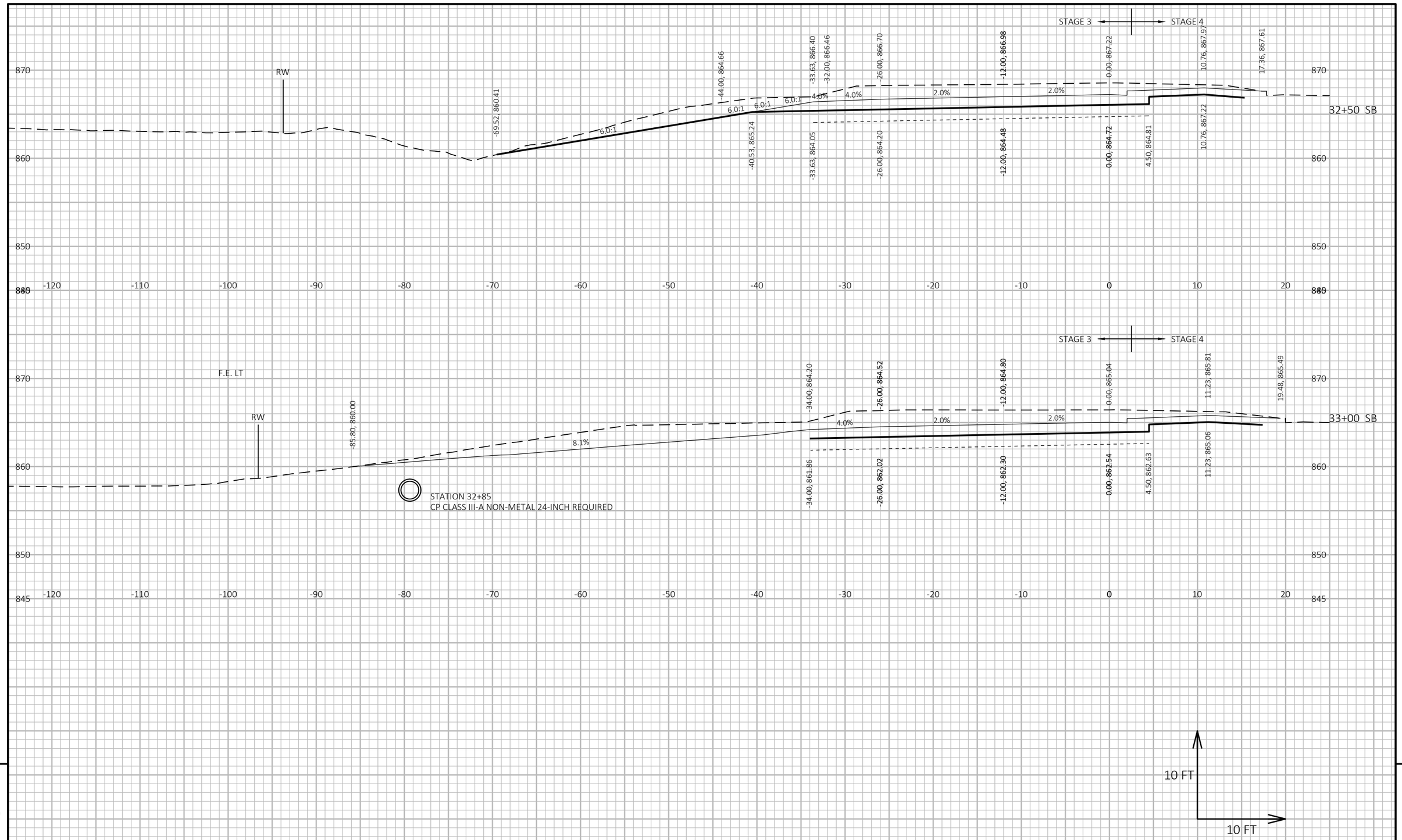
PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: STAGE 3 & 4 - USH 51 SB	SHEET 440	E

FILE NAME : S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201-XS-S3.DWG
LAYOUT NAME - 090203-xs-sb-s3-9

PLOT DATE : 7/18/2025 3:06 AM PLOT BY : JURECZEK, JESSIE PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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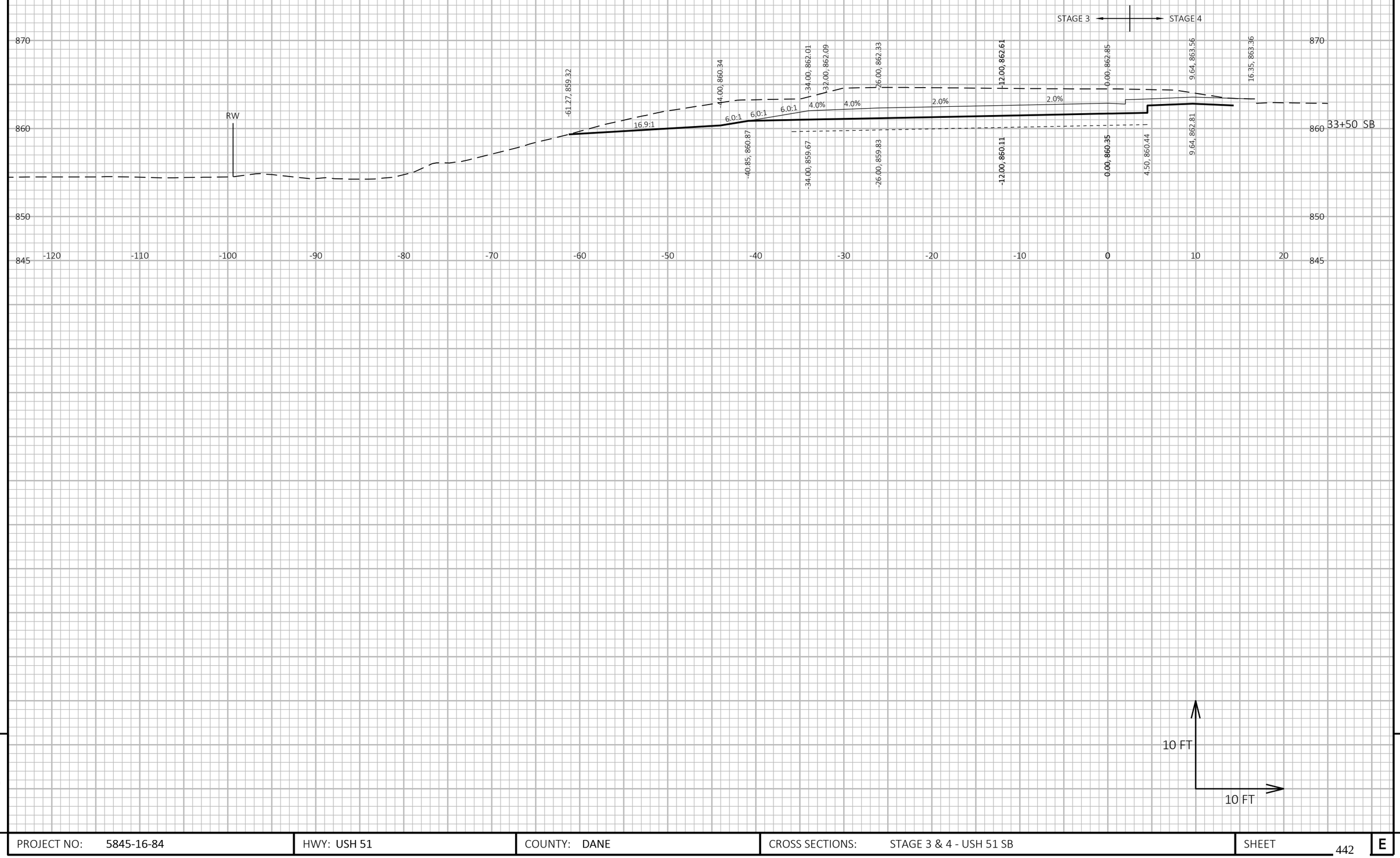
PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: STAGE 3 & 4 - USH 51 SB	SHEET 441	E

FILE NAME : S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201-XS-S3.DWG
LAYOUT NAME - 090203-xs-sb-s3-10

PLOT DATE : 7/18/2025 3:06 AM PLOT BY : JURECZEK, JESSIE PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

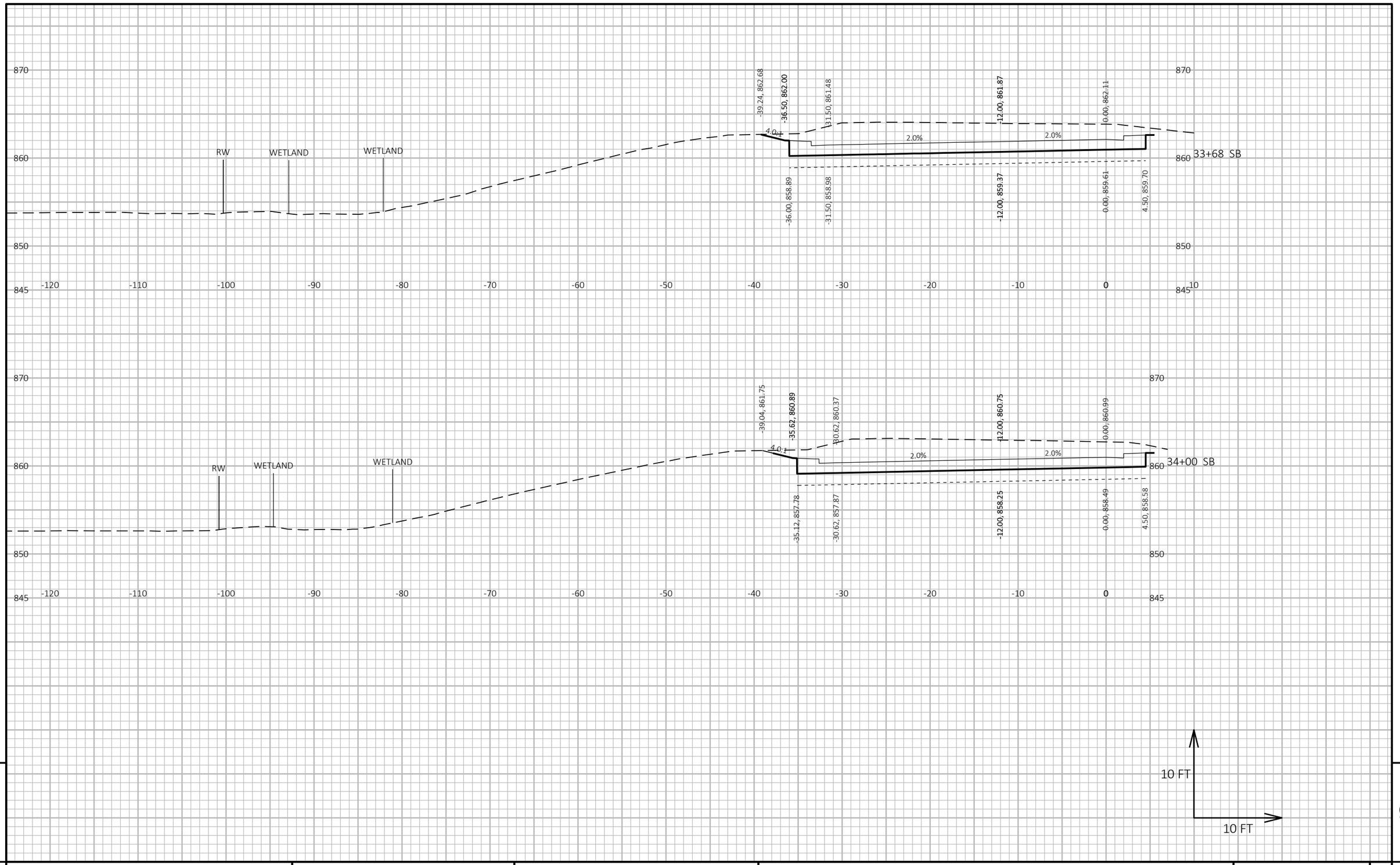


PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: STAGE 3 & 4 - USH 51 SB	SHEET 442	E

FILE NAME : S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201-XS-S3.DWG
LAYOUT NAME - 090203-xs-sb-s3-11

PLOT DATE : 7/18/2025 3:06 AM PLOT BY : JURECZEK, JESSIE PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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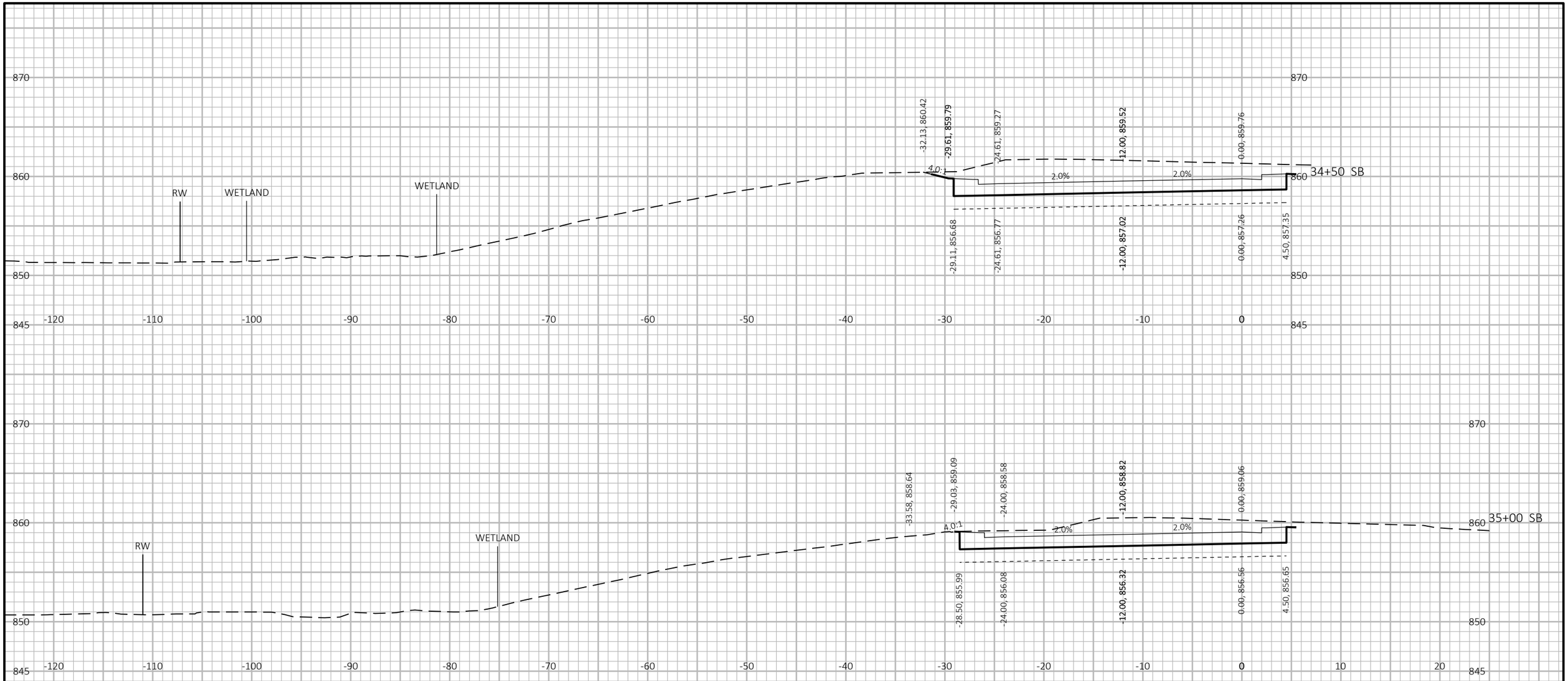
PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: STAGE 3 - USH 51 SB	SHEET 443	E

FILE NAME : S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201-XS-S3.DWG
LAYOUT NAME - 090204-xs-sb-s3-1

PLOT DATE : 7/18/2025 3:06 AM PLOT BY : JURECZEK, JESSIE PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

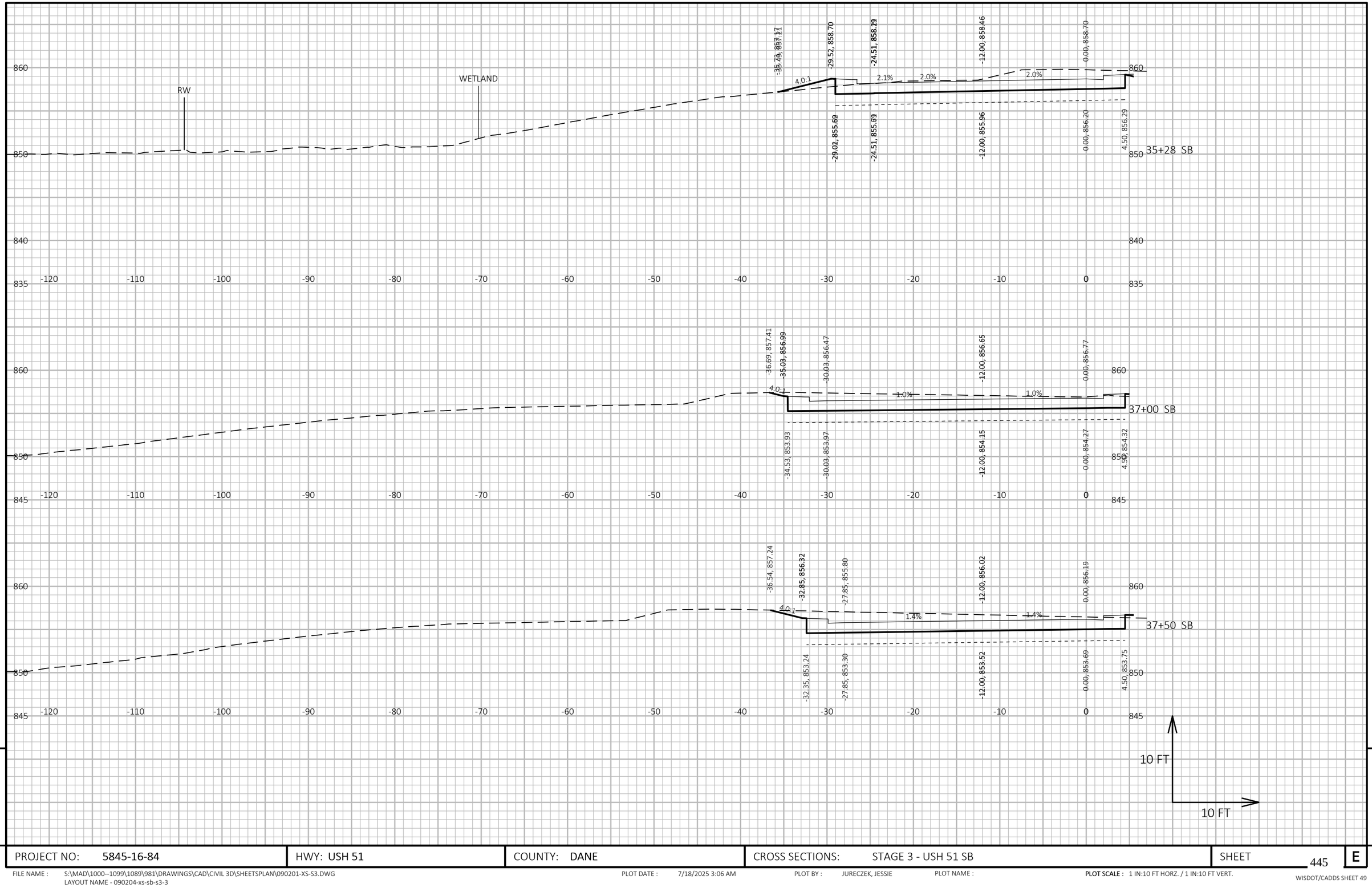


PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: STAGE 3 - USH 51 SB	SHEET 444	E

FILE NAME : S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201-XS-S3.DWG
LAYOUT NAME - 090204-xs-sb-s3-2

PLOT DATE : 7/18/2025 3:06 AM PLOT BY : JURECZEK, JESSIE PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

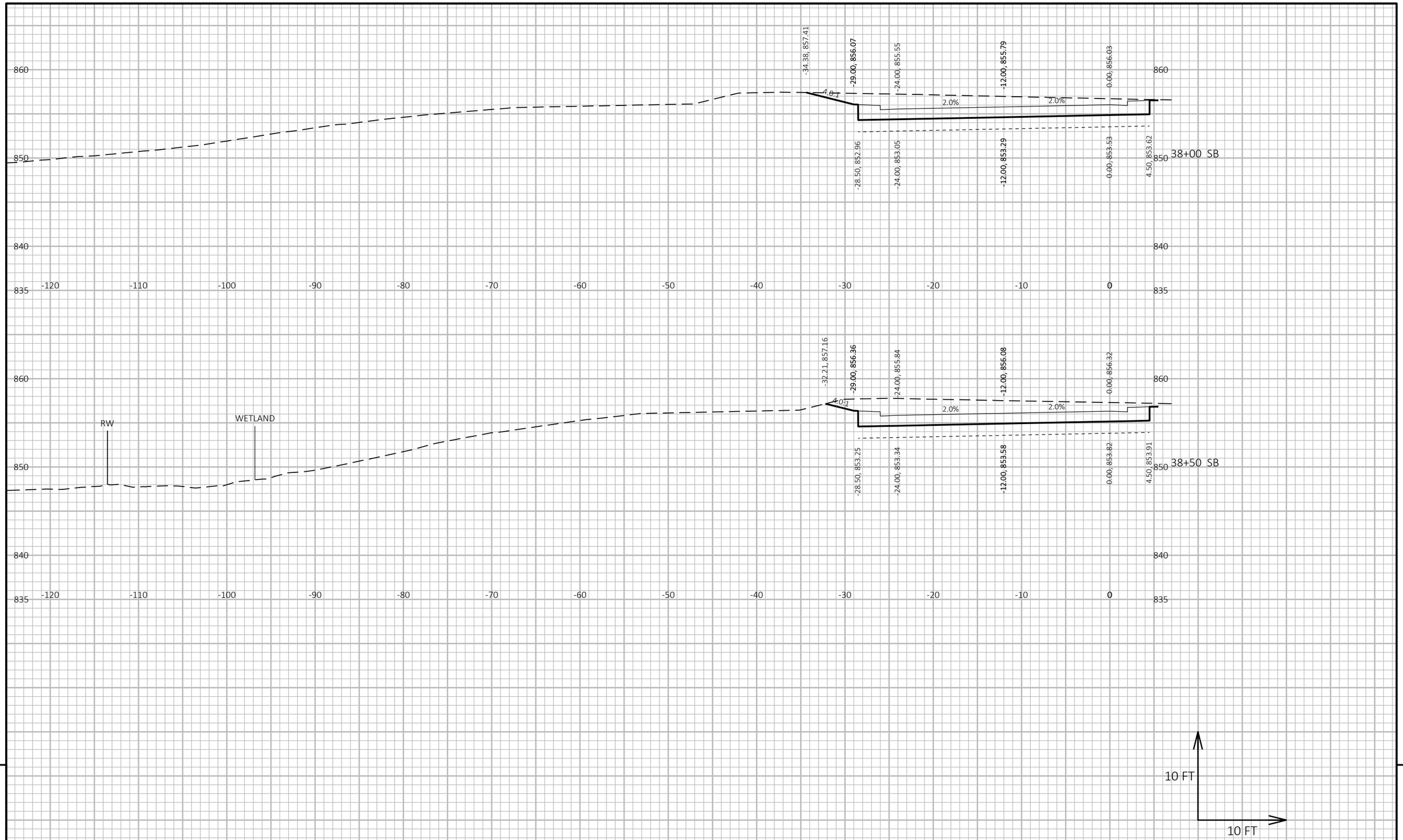


PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: STAGE 3 - USH 51 SB	SHEET 445	E

FILE NAME : S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201-XS-S3.DWG
LAYOUT NAME - 090204-xs-sb-s3-3

PLOT DATE : 7/18/2025 3:06 AM PLOT BY : JURECZEK, JESSIE PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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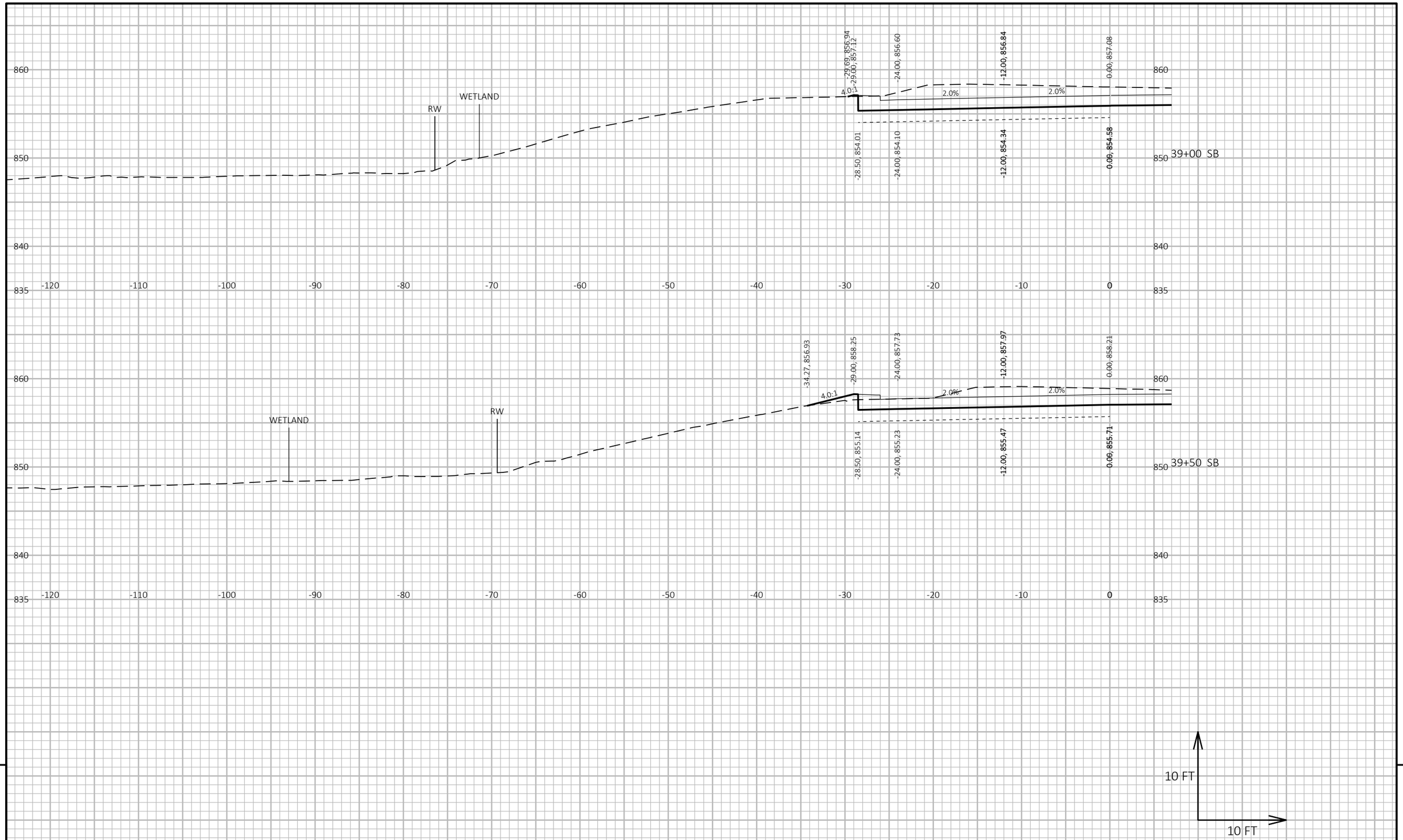
PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: STAGE 3 - USH 51 SB	SHEET 446	E

FILE NAME : S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201-XS-S3.DWG
LAYOUT NAME - 090204-xs-sb-s3-4

PLOT DATE : 7/18/2025 3:06 AM PLOT BY : JURECZEK, JESSIE PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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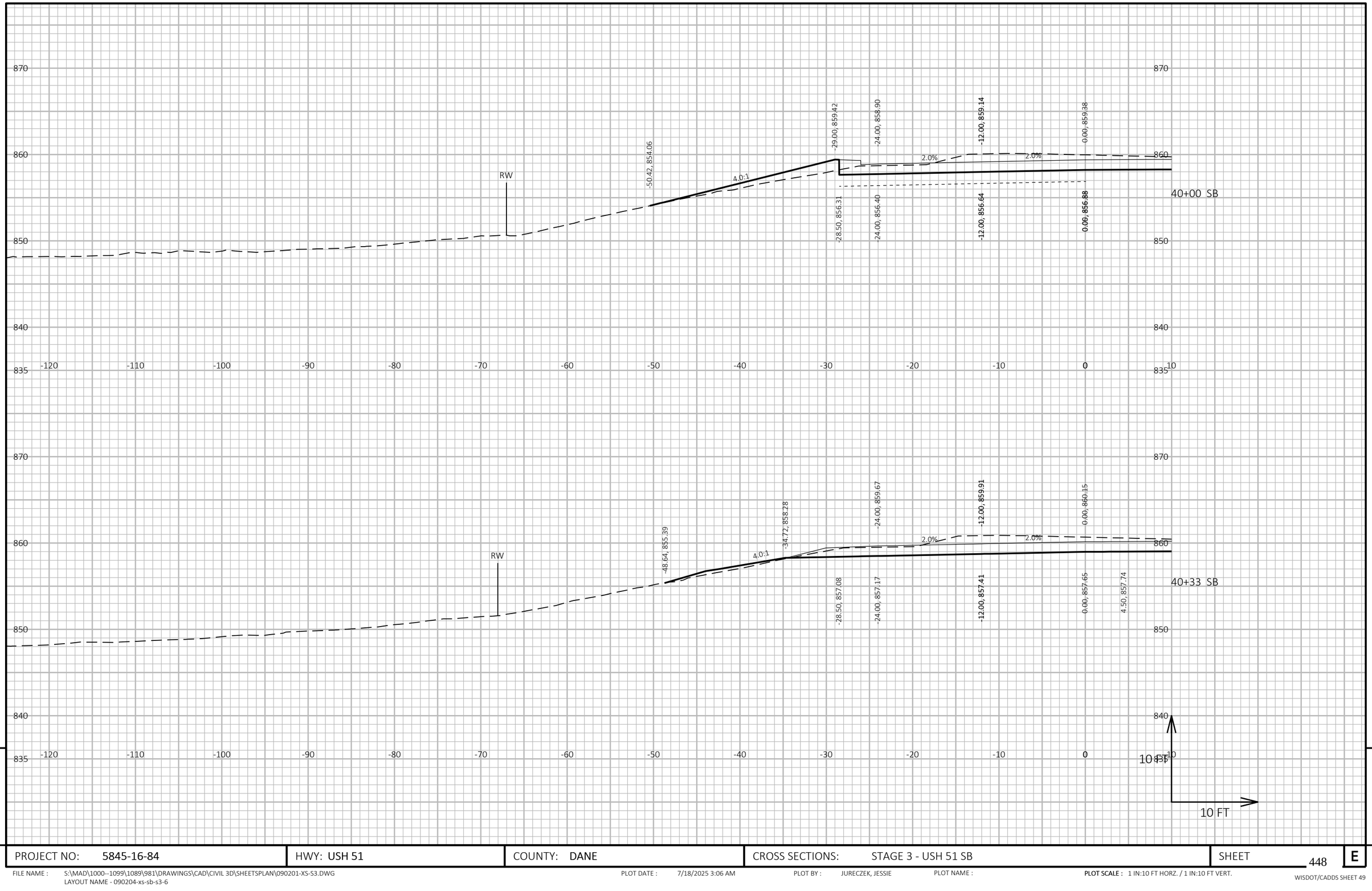
PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: STAGE 3 - USH 51 SB	SHEET 447	E

FILE NAME : S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201-XS-S3.DWG
LAYOUT NAME - 090204-xs-sb-s3-5

PLOT DATE : 7/18/2025 3:06 AM PLOT BY : JURECZEK, JESSIE PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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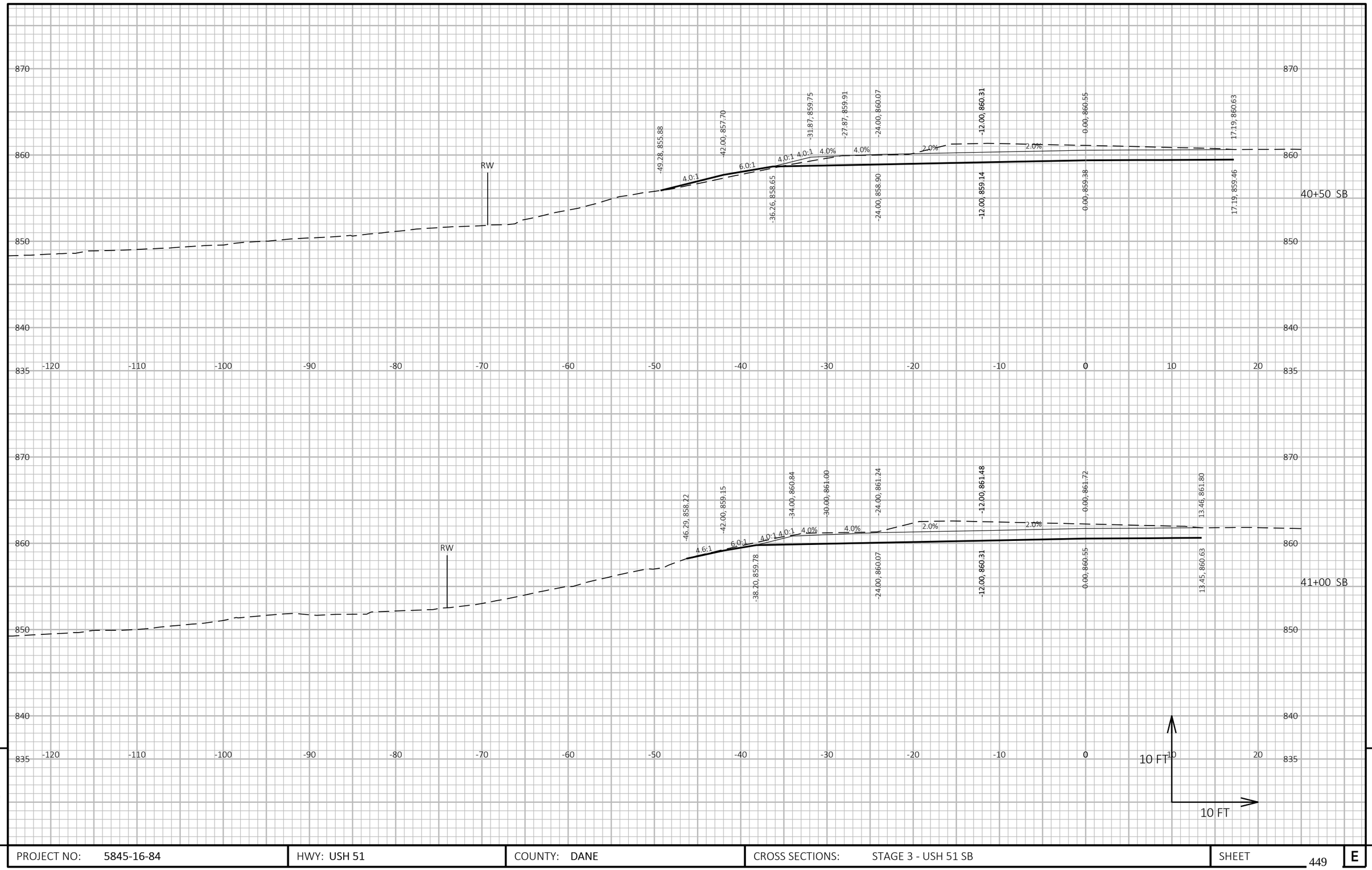
PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: STAGE 3 - USH 51 SB	SHEET 448	E

FILE NAME : S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201-XS-S3.DWG
LAYOUT NAME - 090204-xs-sb-s3-6

PLOT DATE : 7/18/2025 3:06 AM PLOT BY : JURECZEK, JESSIE PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

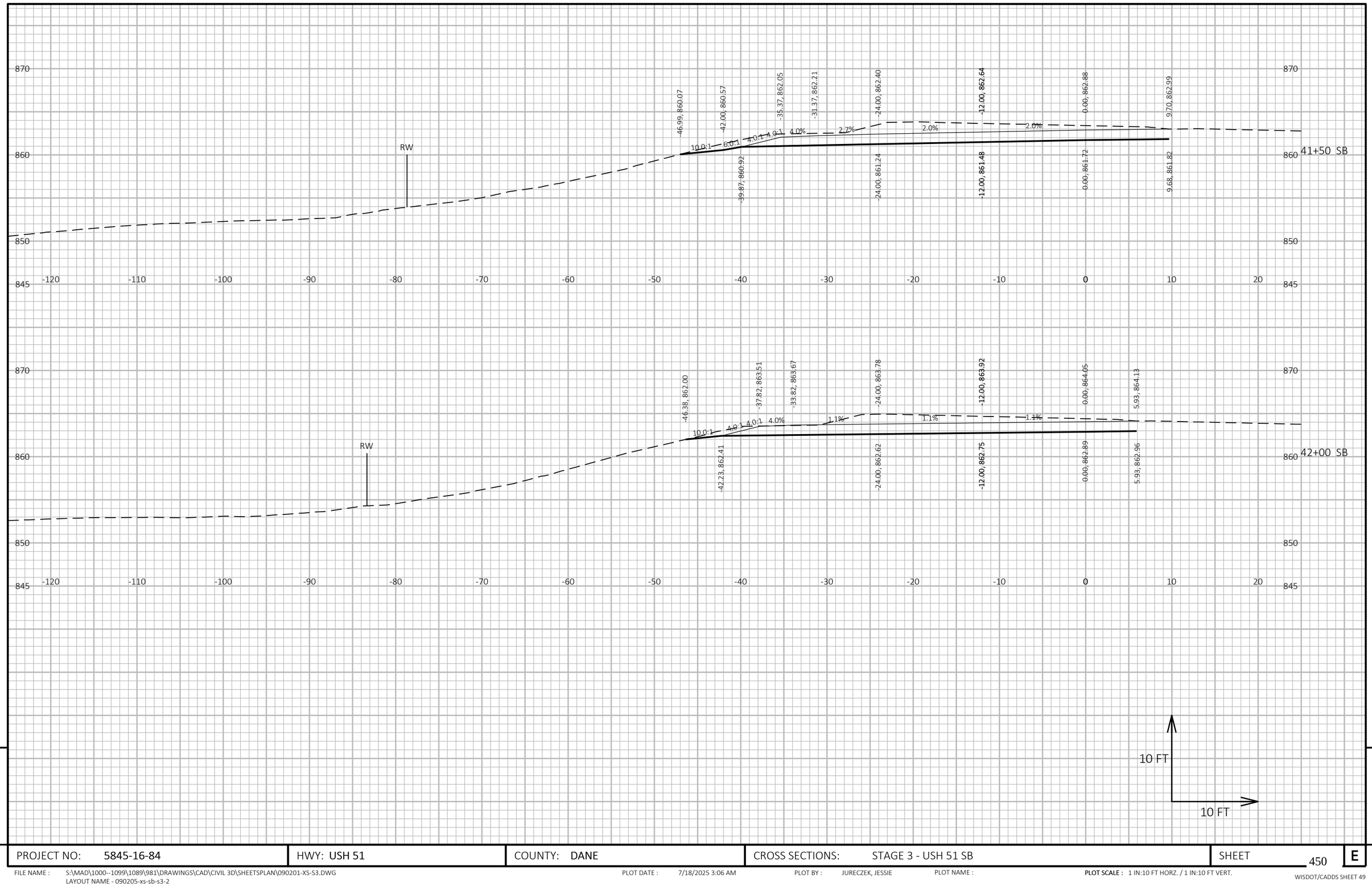


PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: STAGE 3 - USH 51 SB	SHEET 449	E

FILE NAME : S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201-XS-S3.DWG
LAYOUT NAME - 090205-xs-sb-s3-1

PLOT DATE : 7/18/2025 3:06 AM PLOT BY : JURECZEK, JESSIE PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

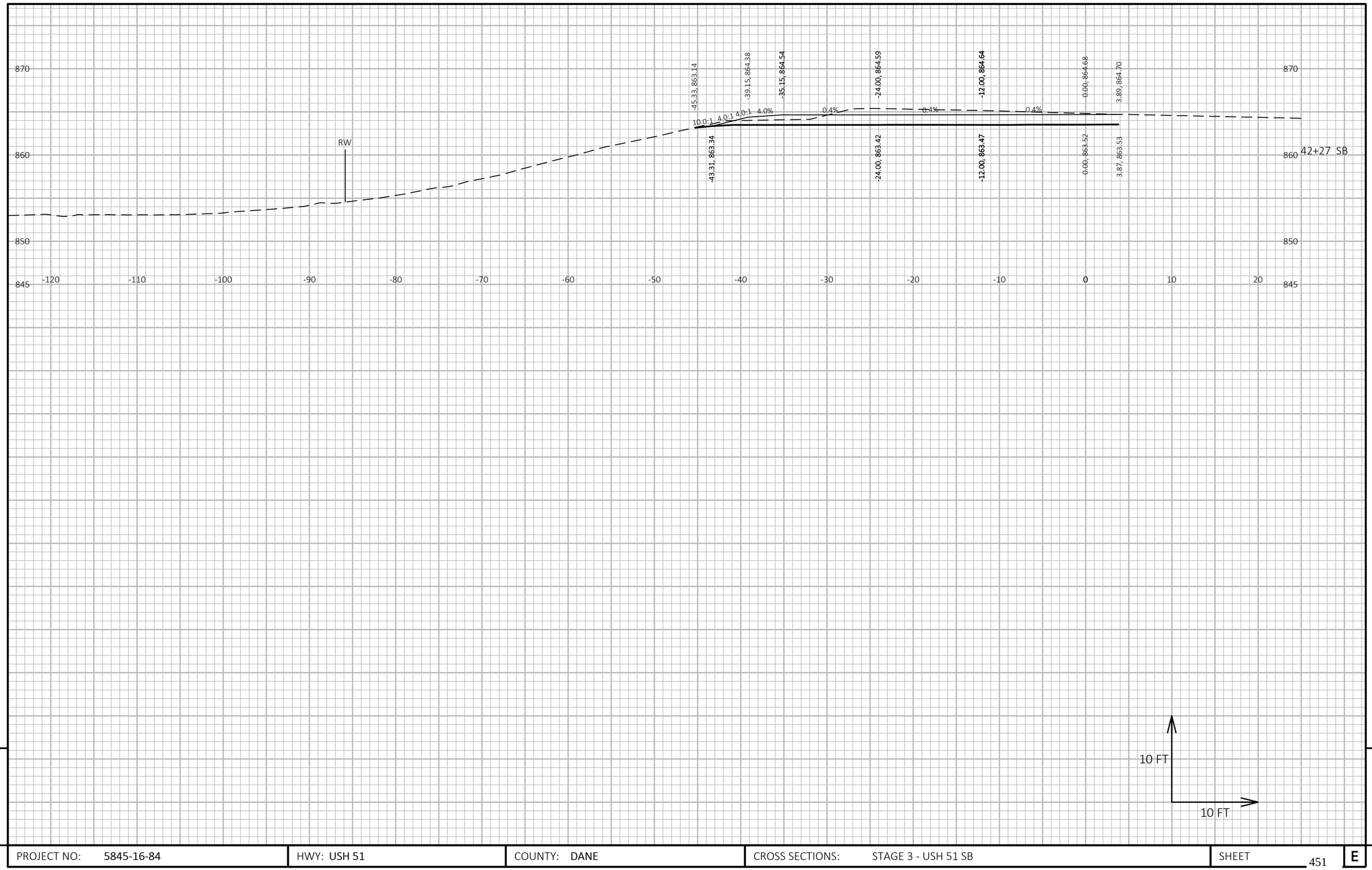


PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: STAGE 3 - USH 51 SB	SHEET 450	E

FILE NAME : S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201-XS-S3.DWG
LAYOUT NAME - 090205-xs-sb-s3-2

PLOT DATE : 7/18/2025 3:06 AM PLOT BY : JURECZEK, JESSIE PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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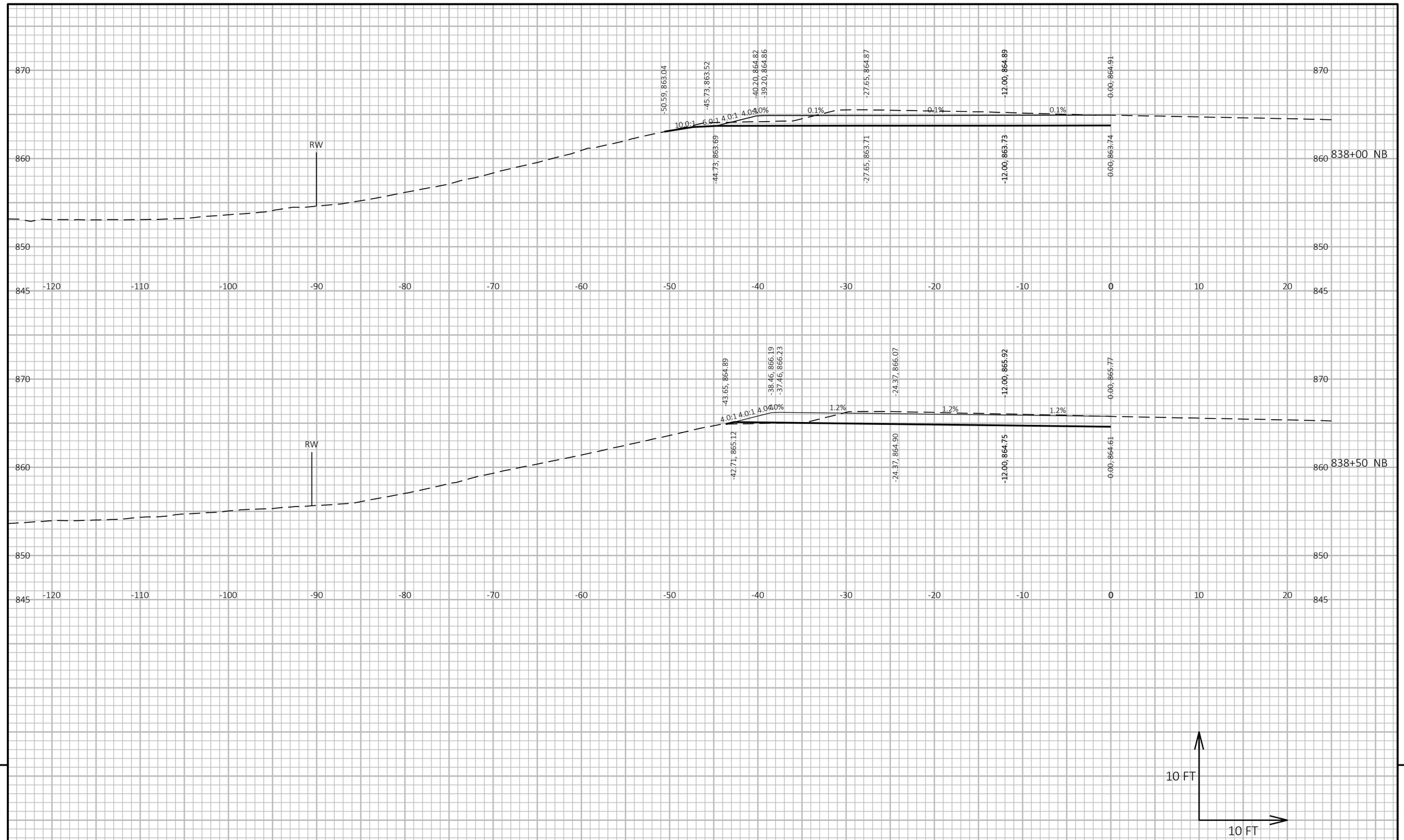
PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: STAGE 3 - USH 51 SB	SHEET 451	E

FILE NAME : S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201-XS-S3.DWG
LAYOUT NAME - 090205-xs-sb-s3-3

PLOT DATE : 7/18/2025 3:06 AM PLOT BY : JURECZEK, JESSIE PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



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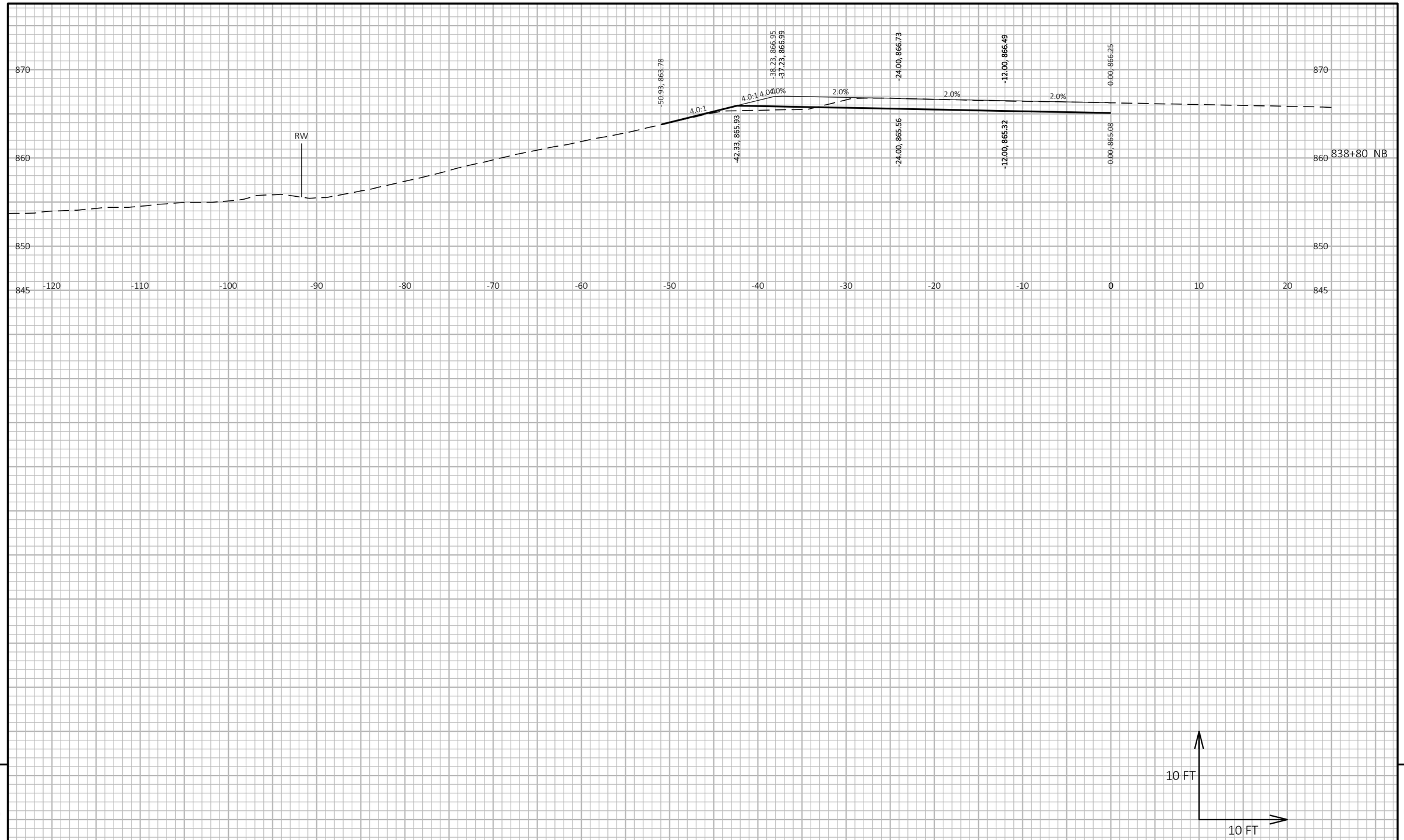
PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: STAGE 3 - USH 51 SB (ALONG NB ALIGNMENT)	SHEET 452	E

FILE NAME : S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201-XS-S3.DWG
LAYOUT NAME - 090202-xs-nb-s3-1

PLOT DATE : 9/25/2025 9:00 AM PLOT BY : HABERKORN, DEVEN PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

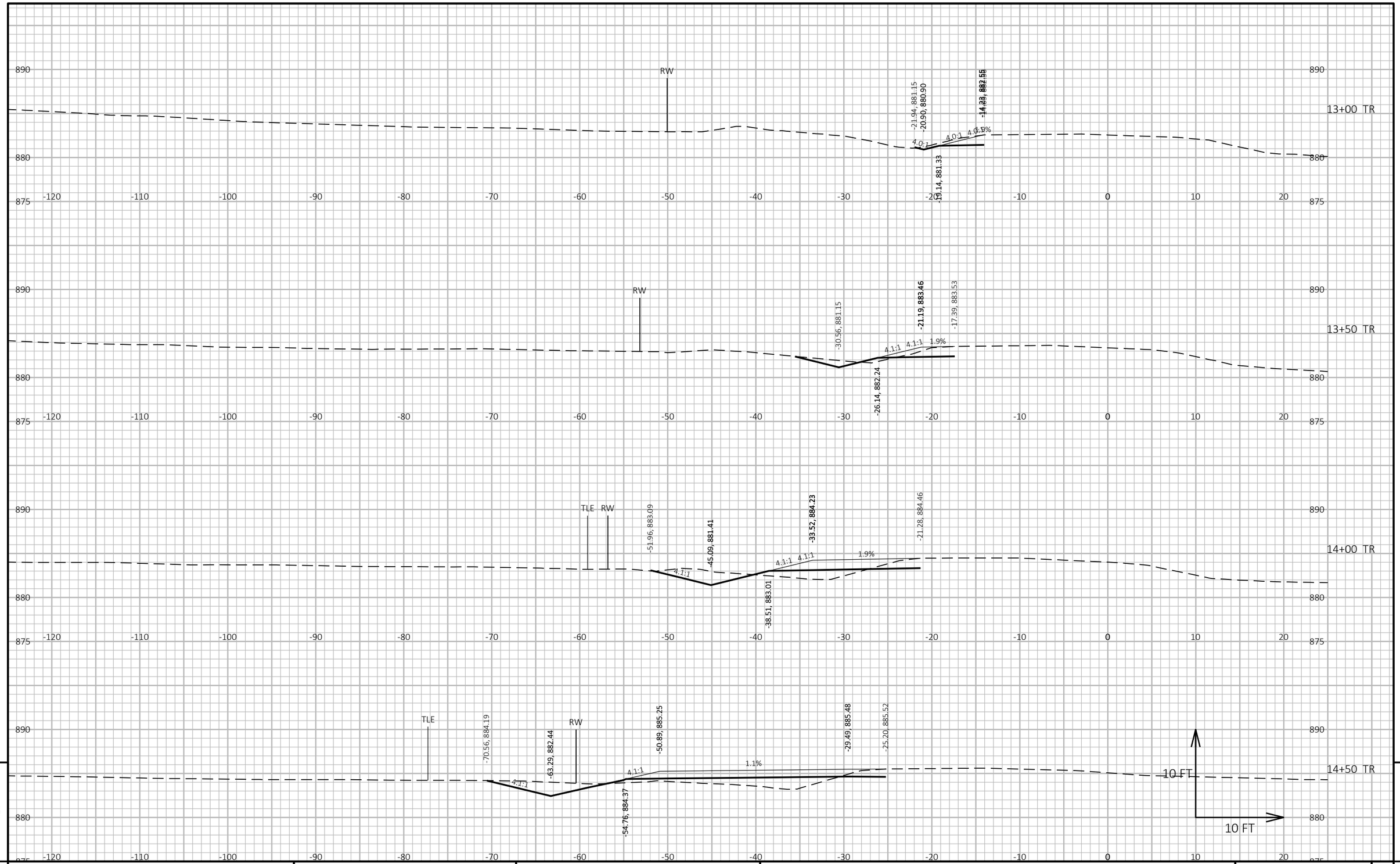


PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: STAGE 3 - USH 51 SB (ALONG NB ALIGNMENT)	SHEET 453	E

FILE NAME : S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201-XS-S3.DWG
LAYOUT NAME - 090202-xs-nb-s3-2

PLOT DATE : 9/25/2025 9:01 AM PLOT BY : HABERKORN, DEVEN PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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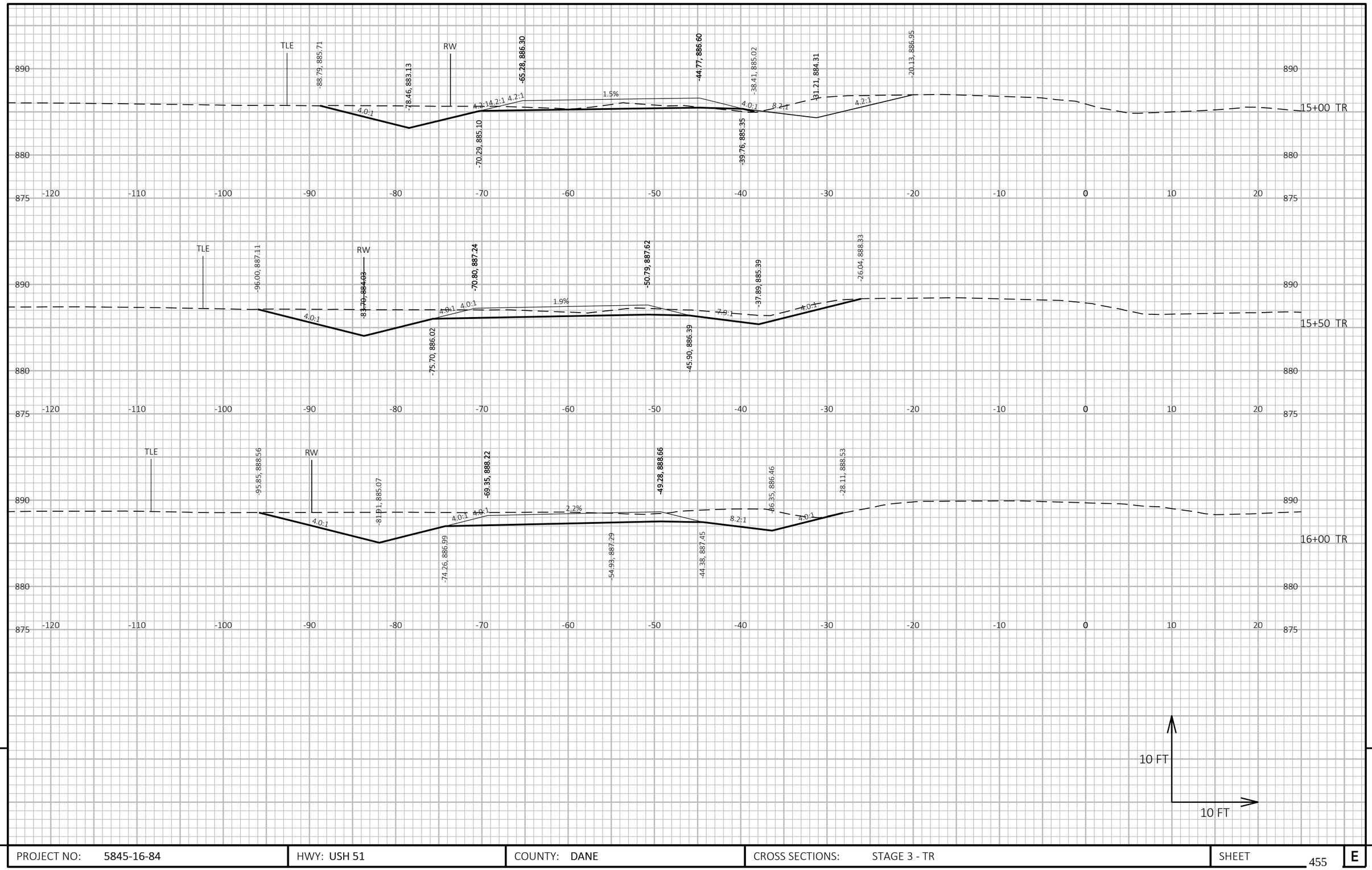
PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: STAGE 3 - TR	SHEET 454	E

FILE NAME : S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201-XS-S3.DWG
LAYOUT NAME - 090201-xs-tr-s3-1

PLOT DATE : 7/18/2025 3:06 AM PLOT BY : JURECZEK, JESSIE PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

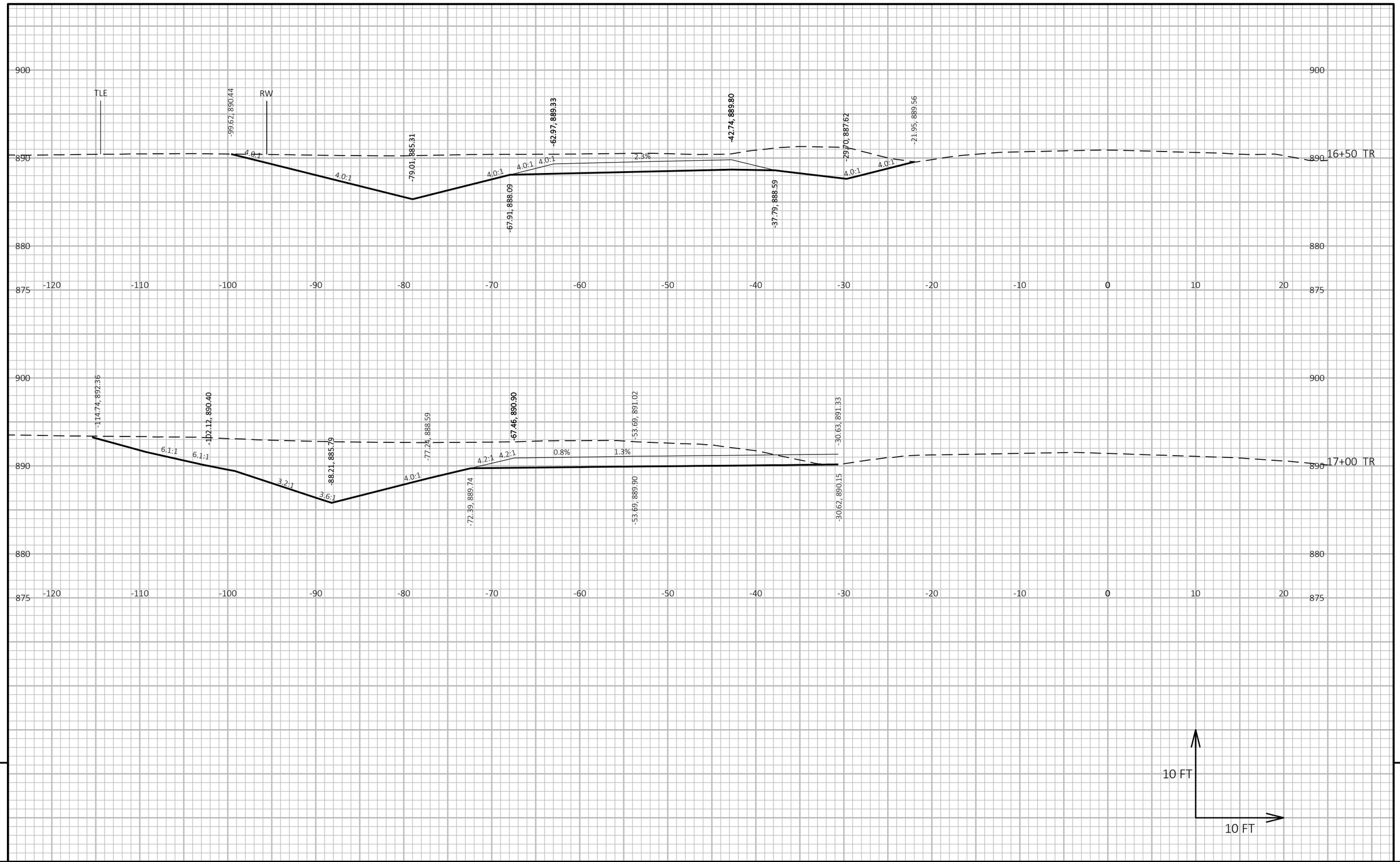


PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: STAGE 3 - TR	SHEET 455	E

FILE NAME : S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201-XS-S3.DWG
LAYOUT NAME - 090201-xs-tr-s3-2

PLOT DATE : 7/31/2025 3:40 PM PLOT BY : KOWALSKI, NICK PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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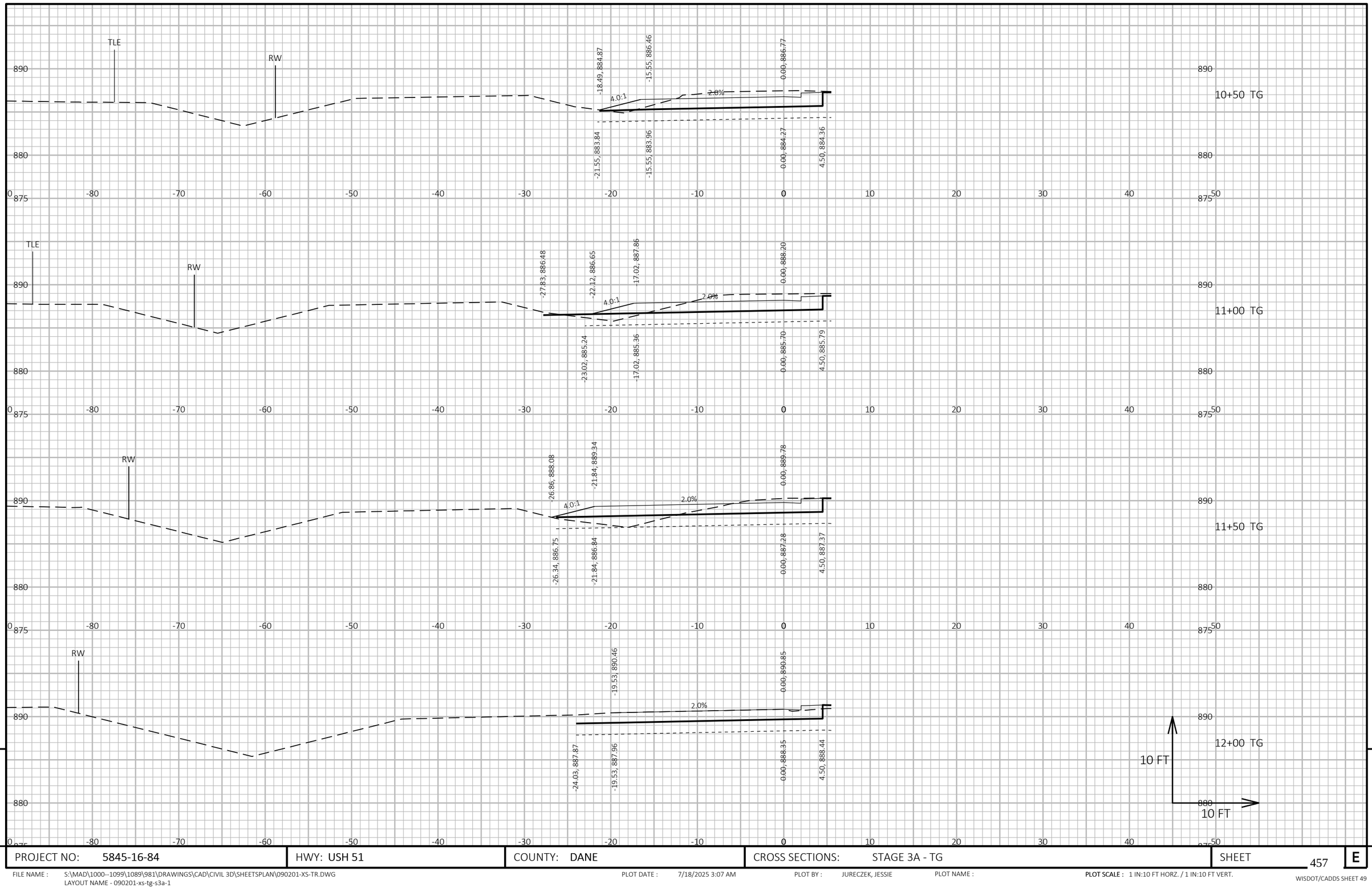
PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: STAGE 3 - TR	SHEET 456	E

FILE NAME : S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201-XS-S3.DWG
LAYOUT NAME - 090201-xs-tr-s3-3

PLOT DATE : 7/18/2025 3:07 AM PLOT BY : JURECZEK, JESSIE PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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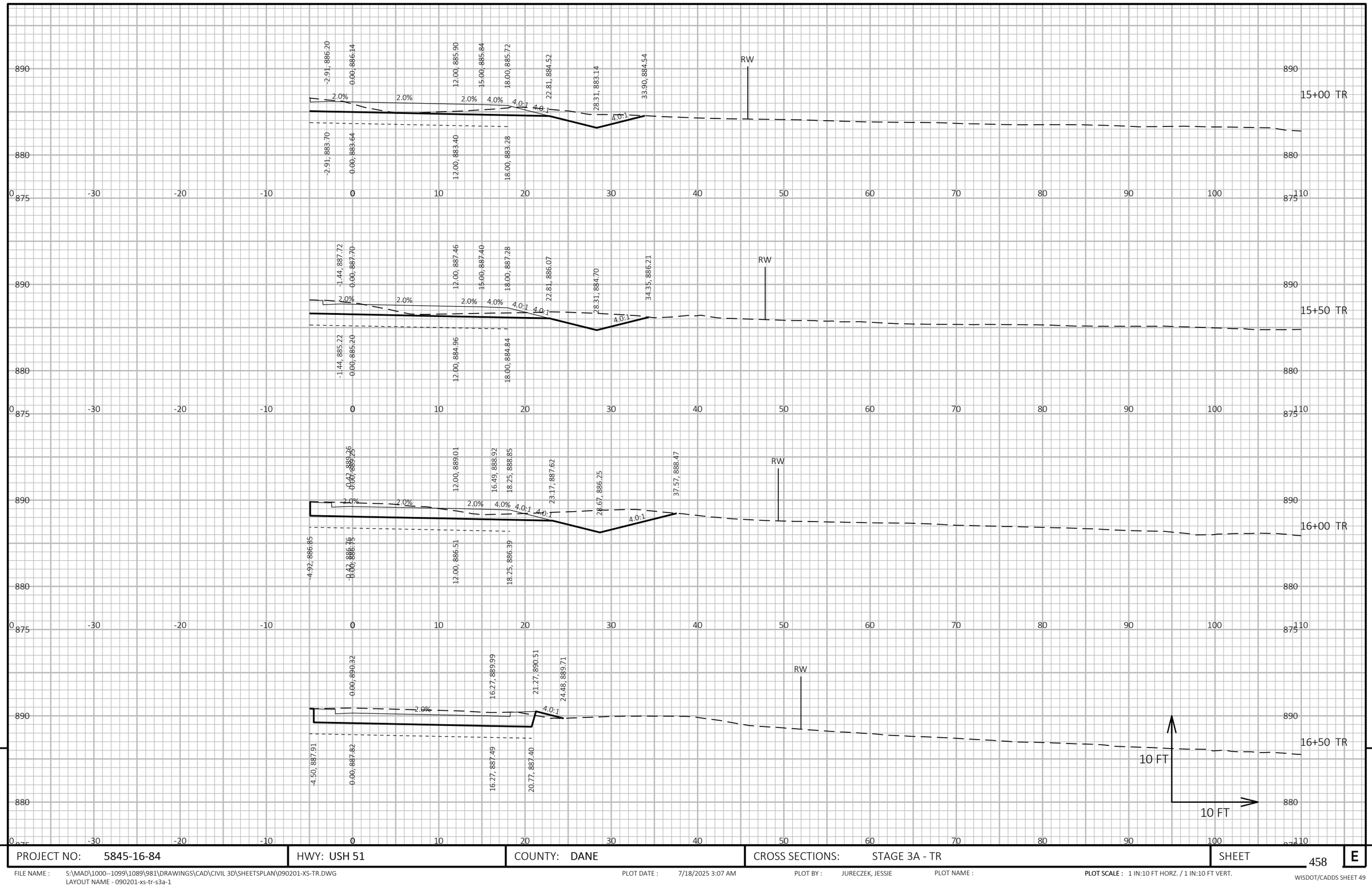
PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: STAGE 3A - TG	SHEET 457	E

FILE NAME : S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201-XS-TR.DWG
LAYOUT NAME - 090201-xs-tg-s3a-1

PLOT DATE : 7/18/2025 3:07 AM PLOT BY : JURECZEK, JESSIE PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

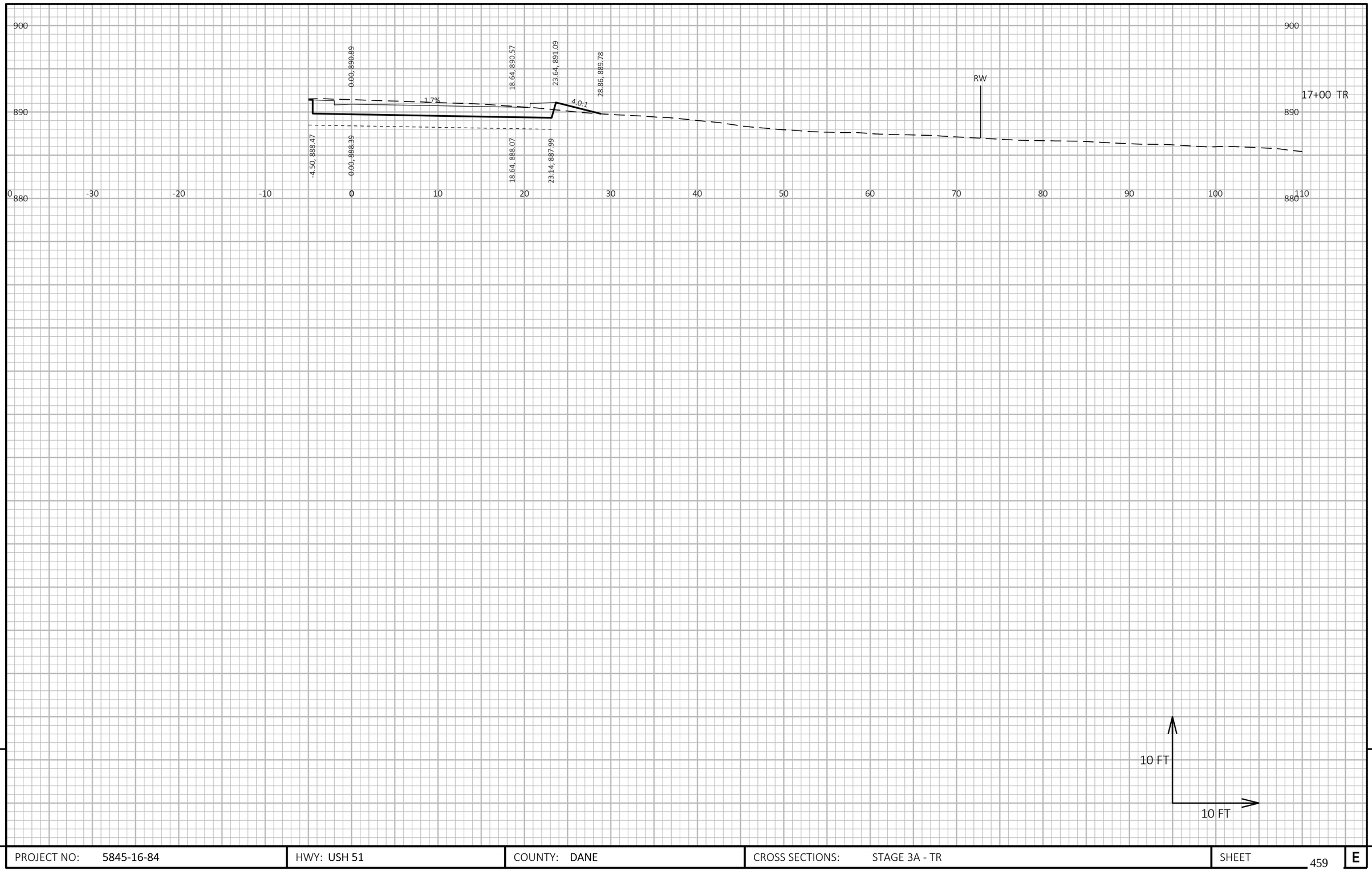


PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: STAGE 3A - TR	SHEET 458 E

FILE NAME : S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201-XS-TR.DWG
LAYOUT NAME - 090201-xs-tr-s3a-1

PLOT DATE : 7/18/2025 3:07 AM PLOT BY : JURECZEK, JESSIE PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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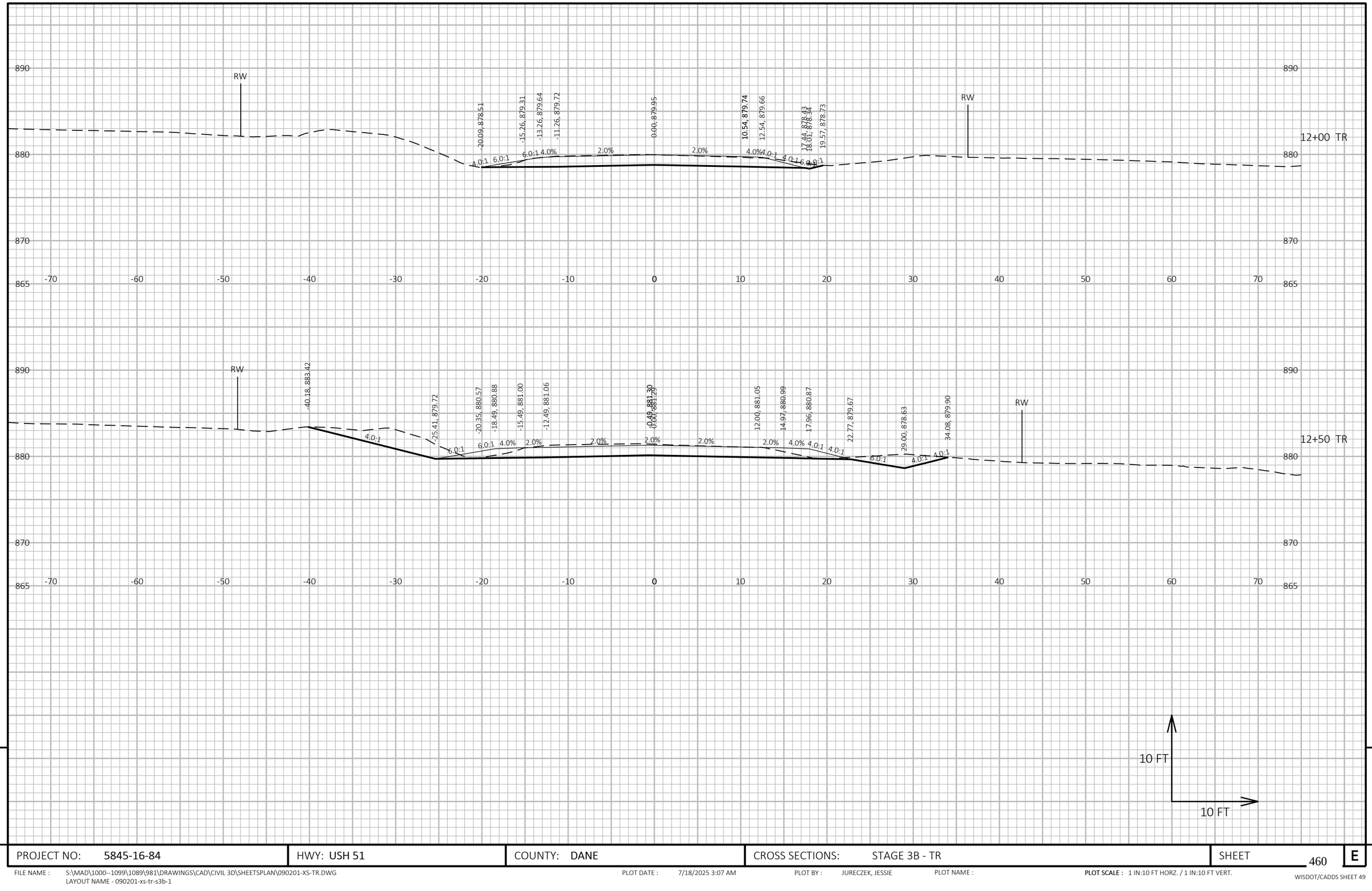
PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: STAGE 3A - TR	SHEET 459	E

FILE NAME : S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201-XS-TR.DWG
LAYOUT NAME - 090201-xs-tr-s3a-2

PLOT DATE : 7/18/2025 3:07 AM PLOT BY : JURECZEK, JESSIE PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

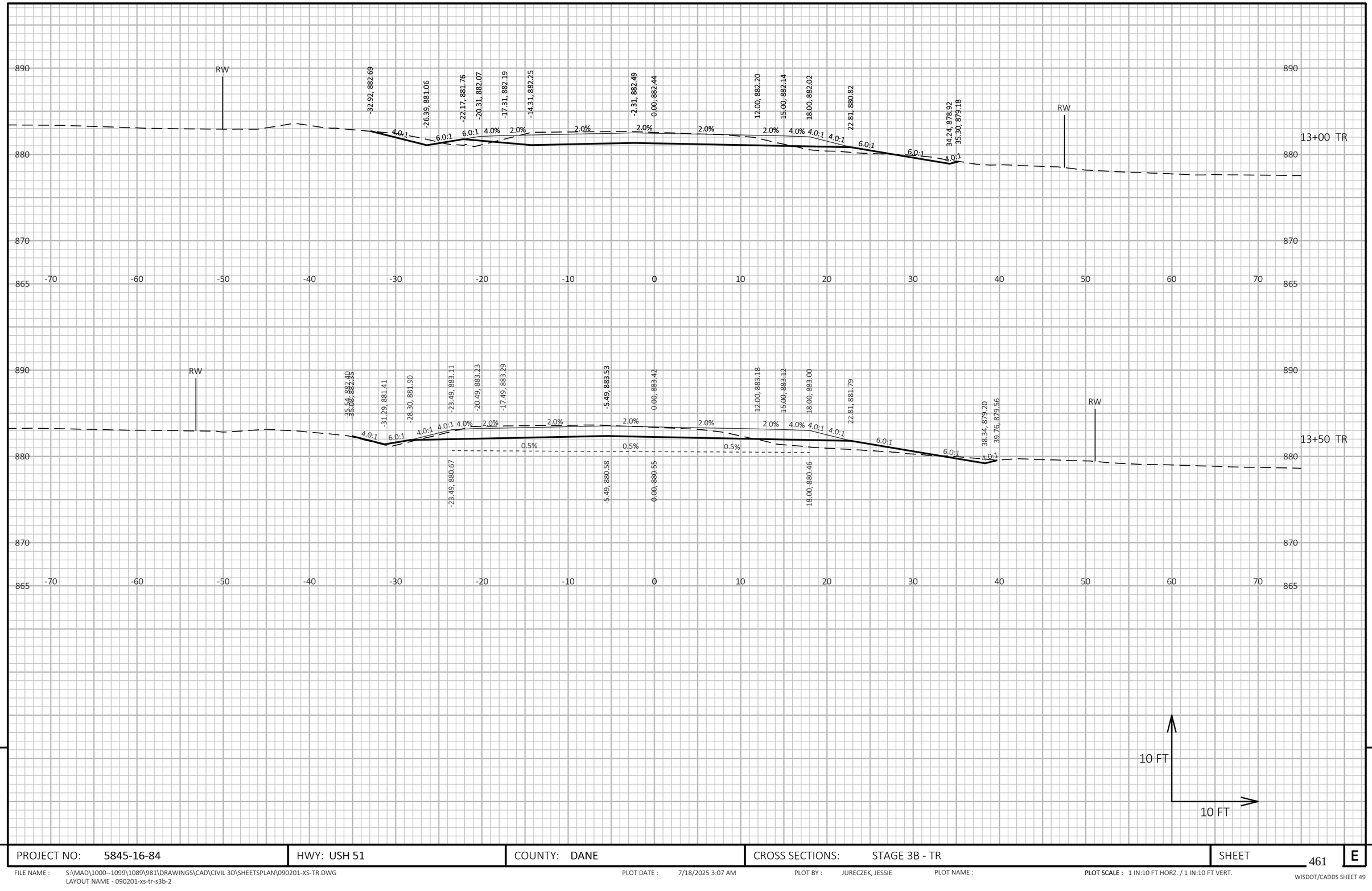


PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: STAGE 3B - TR	SHEET 460	E

FILE NAME : S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201-XS-TR.DWG
LAYOUT NAME - 090201-xs-tr-s3b-1

PLOT DATE : 7/18/2025 3:07 AM PLOT BY : JURECZEK, JESSIE PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

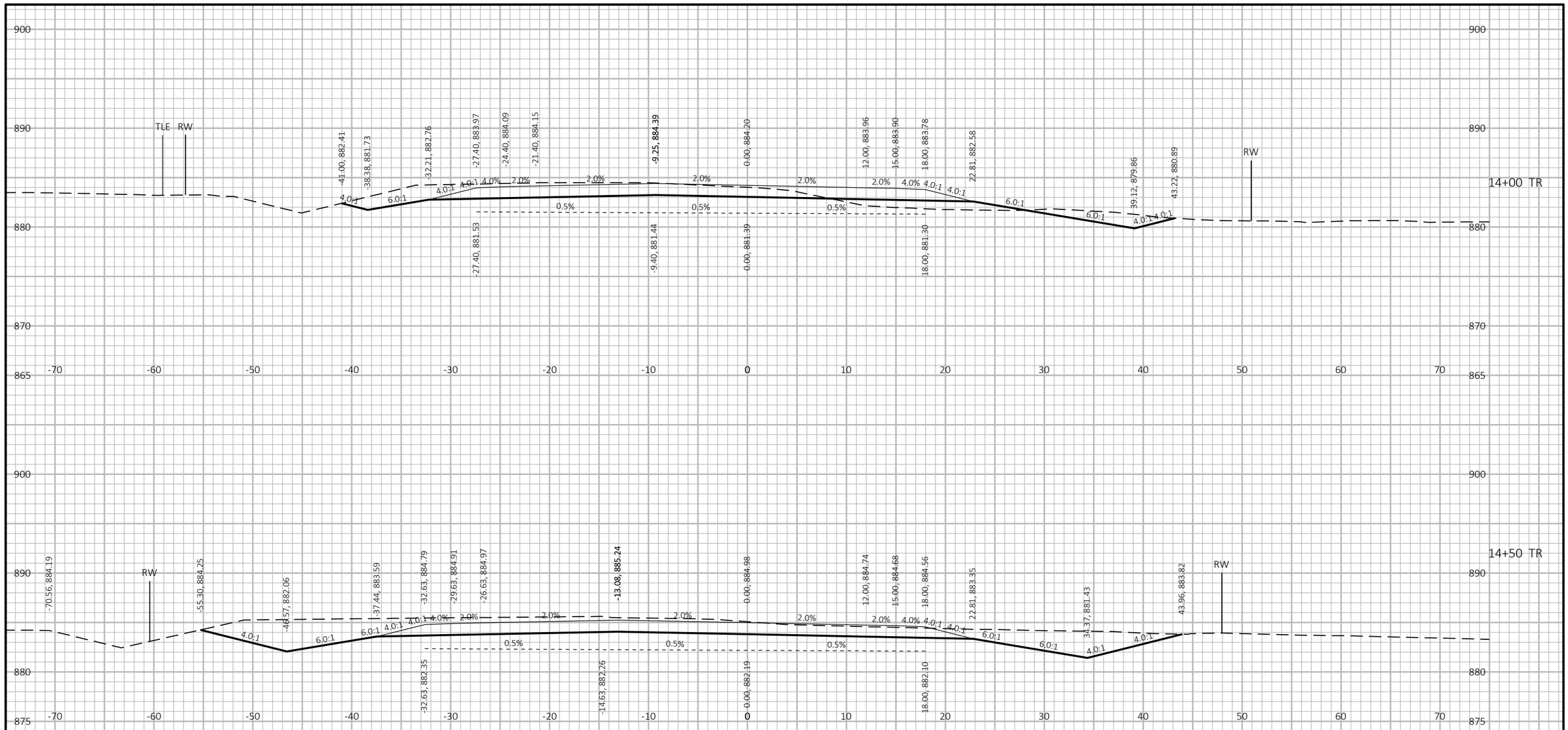


PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: STAGE 3B - TR	SHEET 461	E

FILE NAME : S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201-XS-TR.DWG
LAYOUT NAME - 090201-xs-tr-s3b-2

PLOT DATE : 7/18/2025 3:07 AM PLOT BY : JURECZEK, JESSIE PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

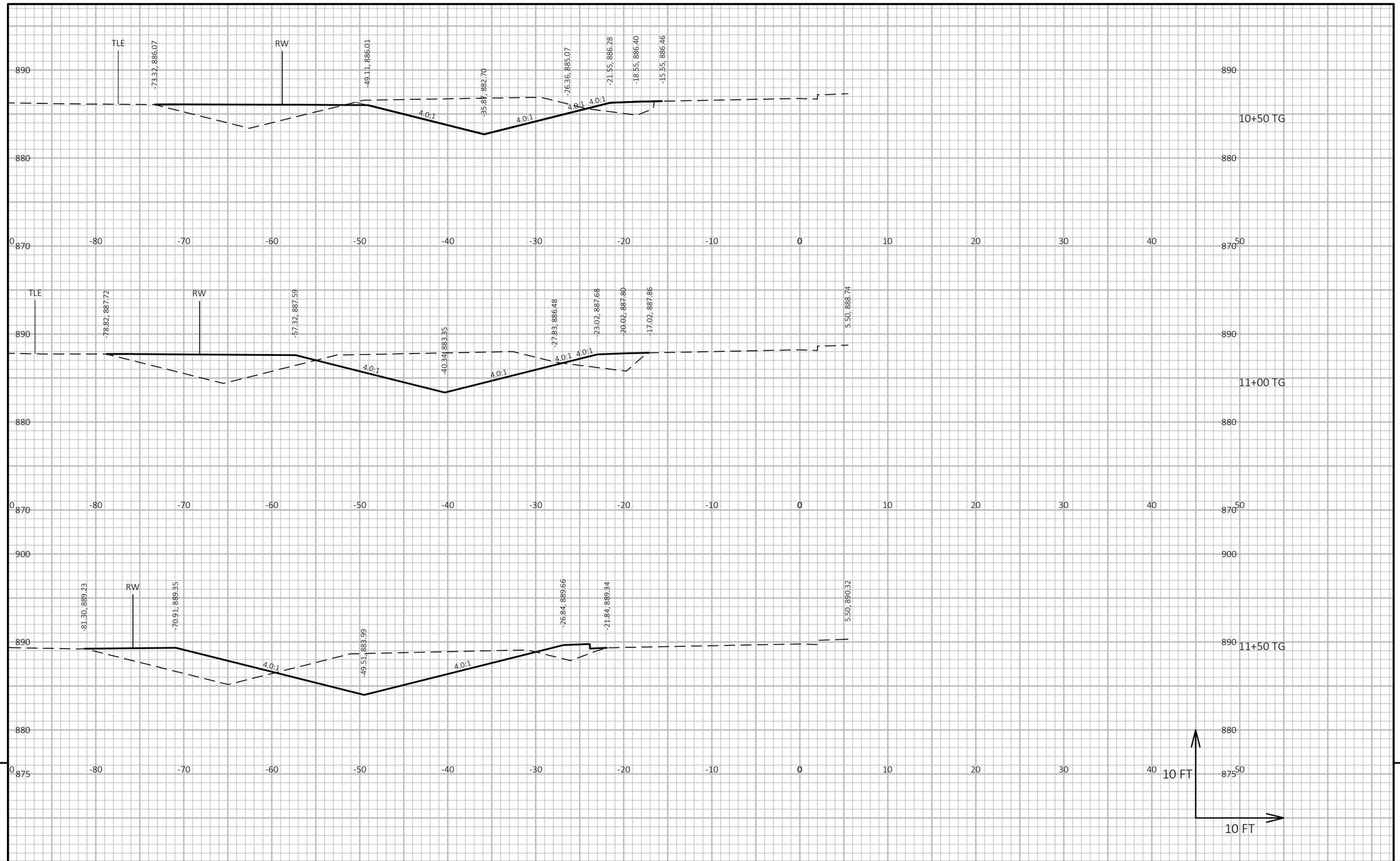


PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: STAGE 3B - TR	SHEET 462 E

FILE NAME : S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201-XS-TR.DWG
LAYOUT NAME - 090201-xs-tr-s3b-3

PLOT DATE : 7/18/2025 3:07 AM PLOT BY : JURECZEK, JESSIE PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

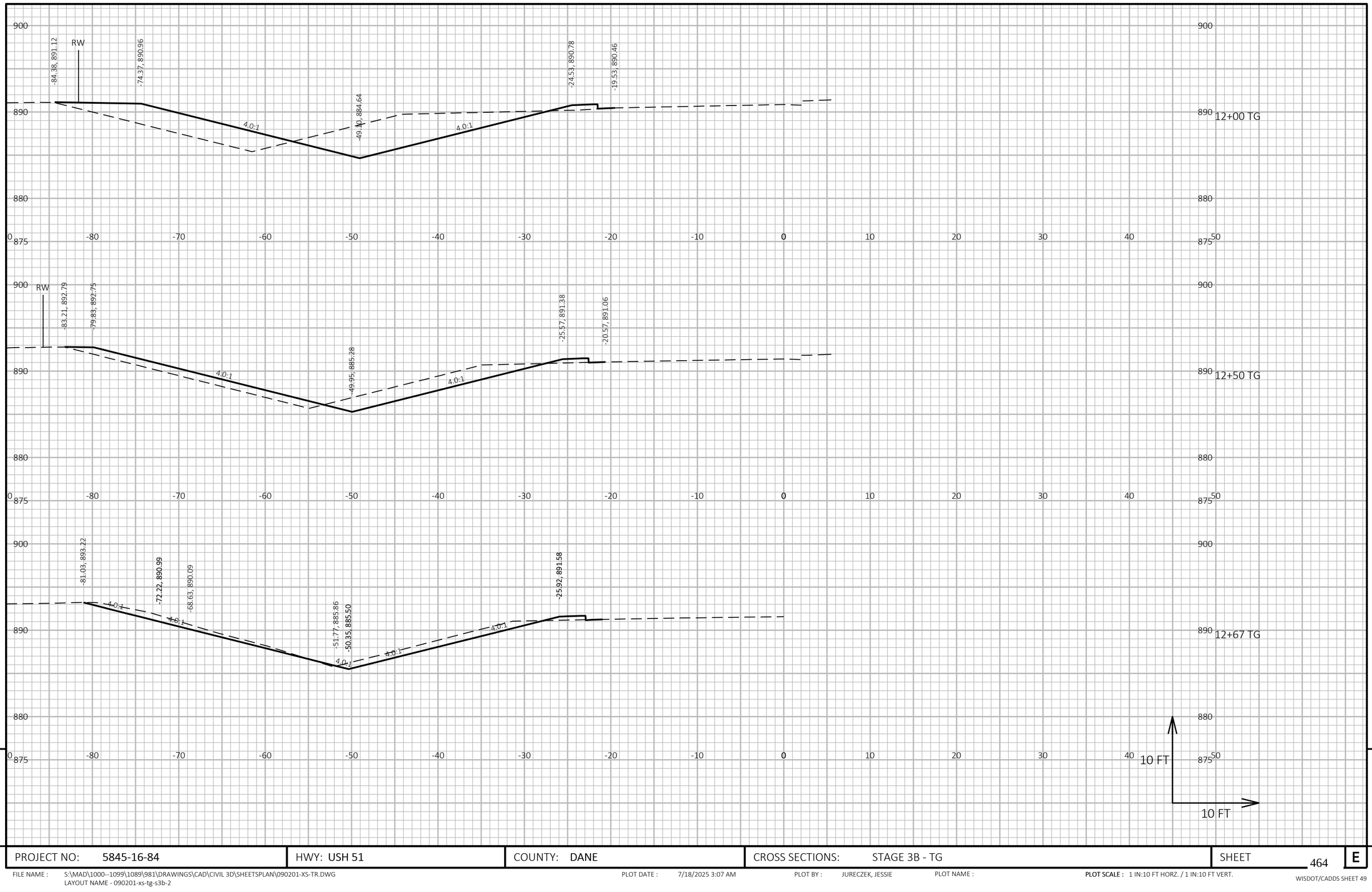


PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: STAGE 3B - TG	SHEET 463 E

FILE NAME : S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201-XS-TR.DWG
LAYOUT NAME - 090201-xs-tg-s3b-1

PLOT DATE : 7/18/2025 3:07 AM PLOT BY : JURECZEK, JESSIE PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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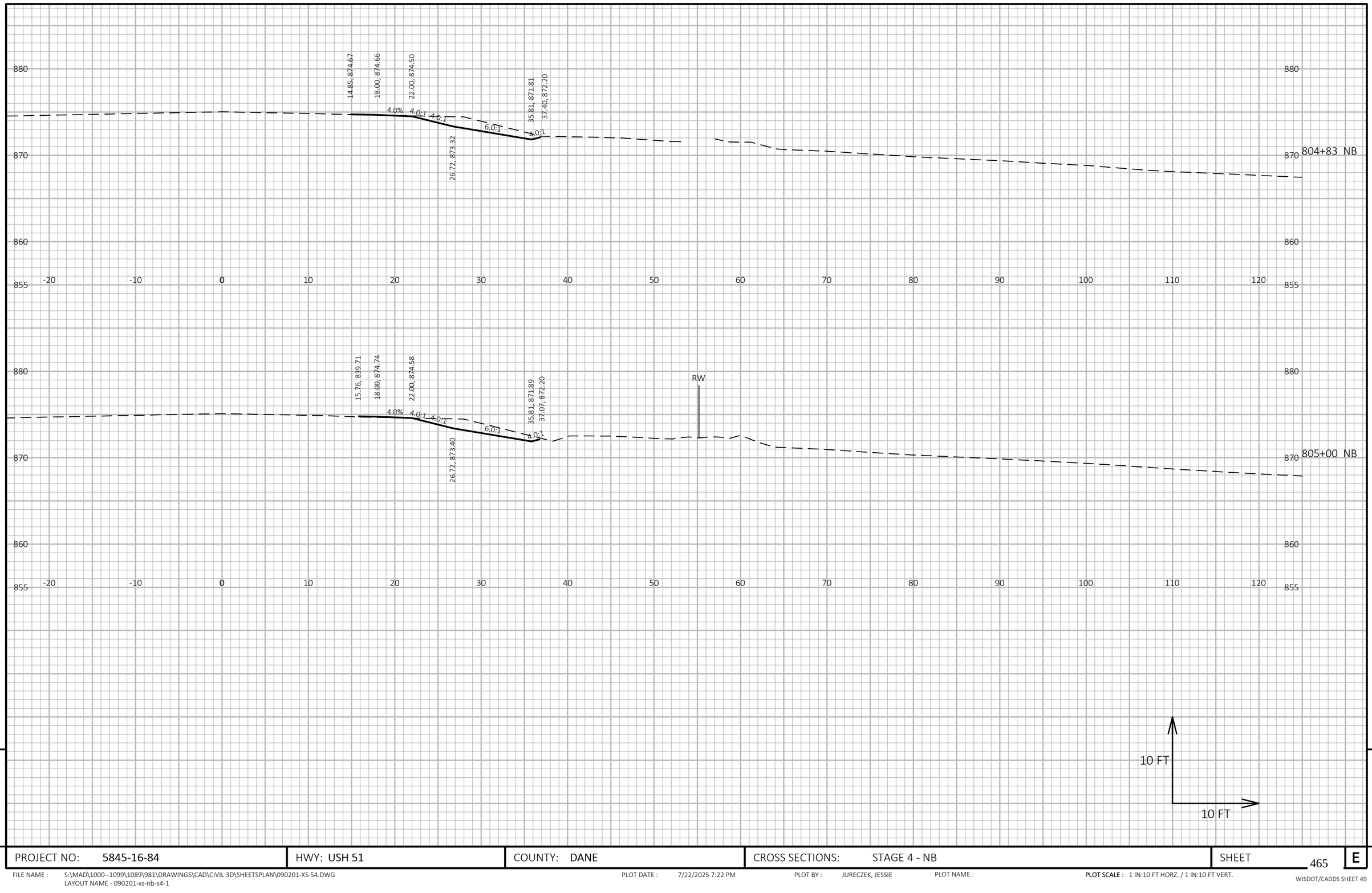
PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: STAGE 3B - TG	SHEET 464	E

FILE NAME : S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201-XS-TR.DWG
LAYOUT NAME - 090201-xs-tg-s3b-2

PLOT DATE : 7/18/2025 3:07 AM PLOT BY : JURECZEK, JESSIE PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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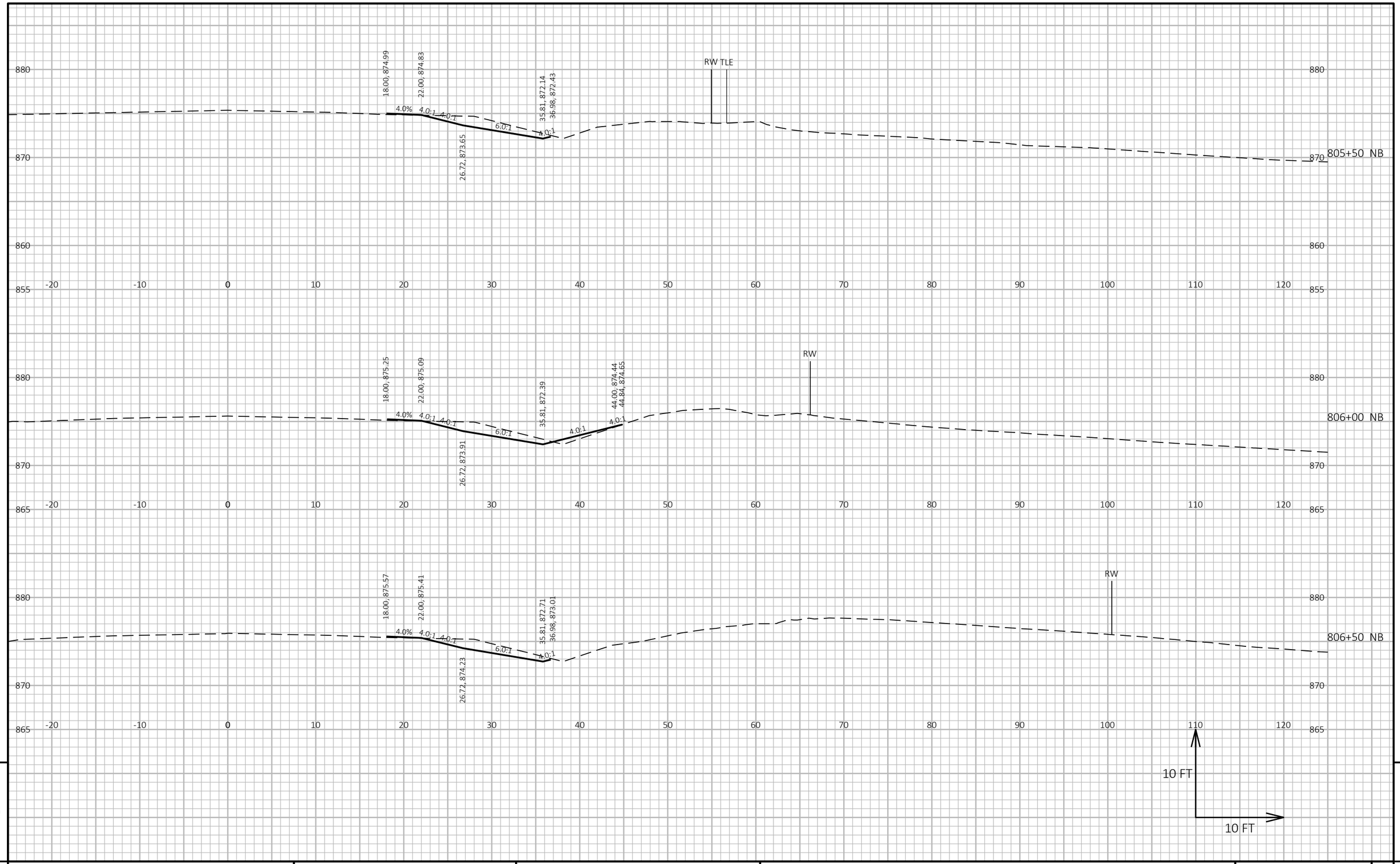
PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: STAGE 4 - NB	SHEET 465	E

FILE NAME : S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201-XS-S4.DWG
LAYOUT NAME - 090201-xs-nb-s4-1

PLOT DATE : 7/22/2025 7:22 PM PLOT BY : JURECZEK, JESSIE PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

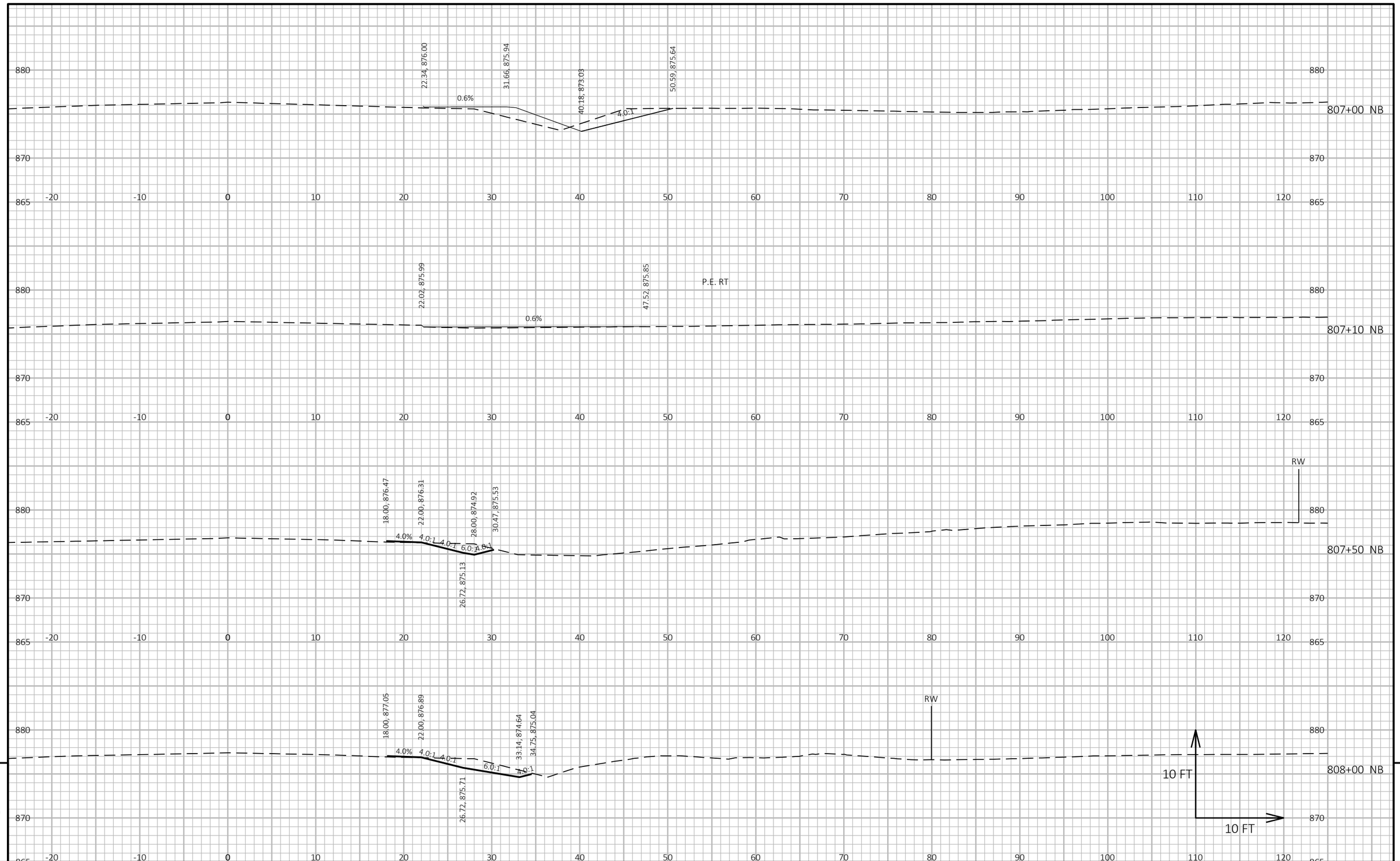


PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: STAGE 4 - NB	SHEET 466	E

FILE NAME : S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201-XS-S4.DWG
LAYOUT NAME - 090201-xs-nb-s4-2

PLOT DATE : 7/22/2025 7:22 PM PLOT BY : JURECZEK, JESSIE PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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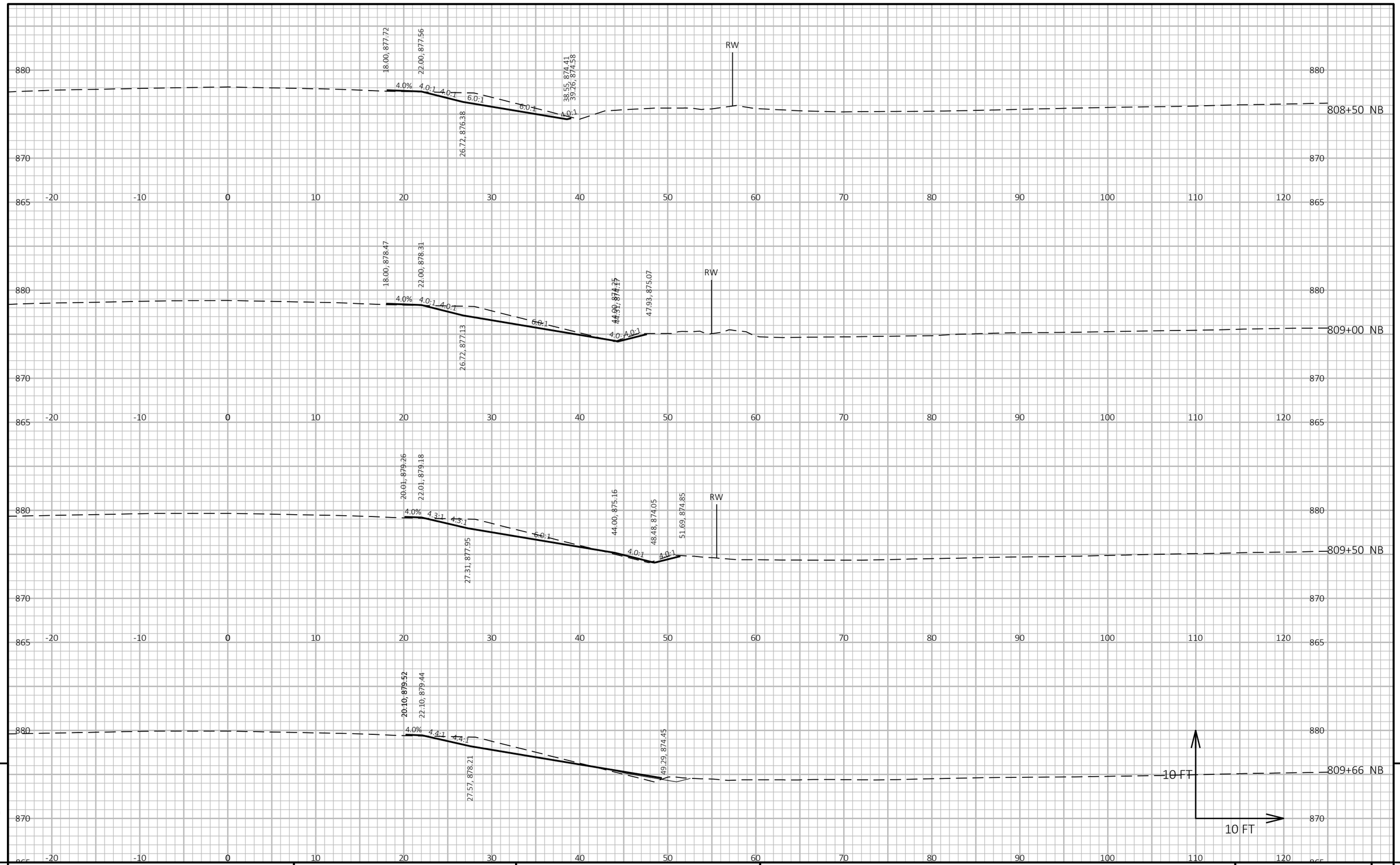
PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: STAGE 4 - NB	SHEET 467	E

FILE NAME : S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201-XS-S4.DWG
LAYOUT NAME - 090201-xs-nb-s4-3

PLOT DATE : 7/22/2025 7:22 PM PLOT BY : JURECZEK, JESSIE PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: STAGE 4 - NB	SHEET 468	E

FILE NAME : S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201-XS-S4.DWG
LAYOUT NAME - 090201-xs-nb-s4-4

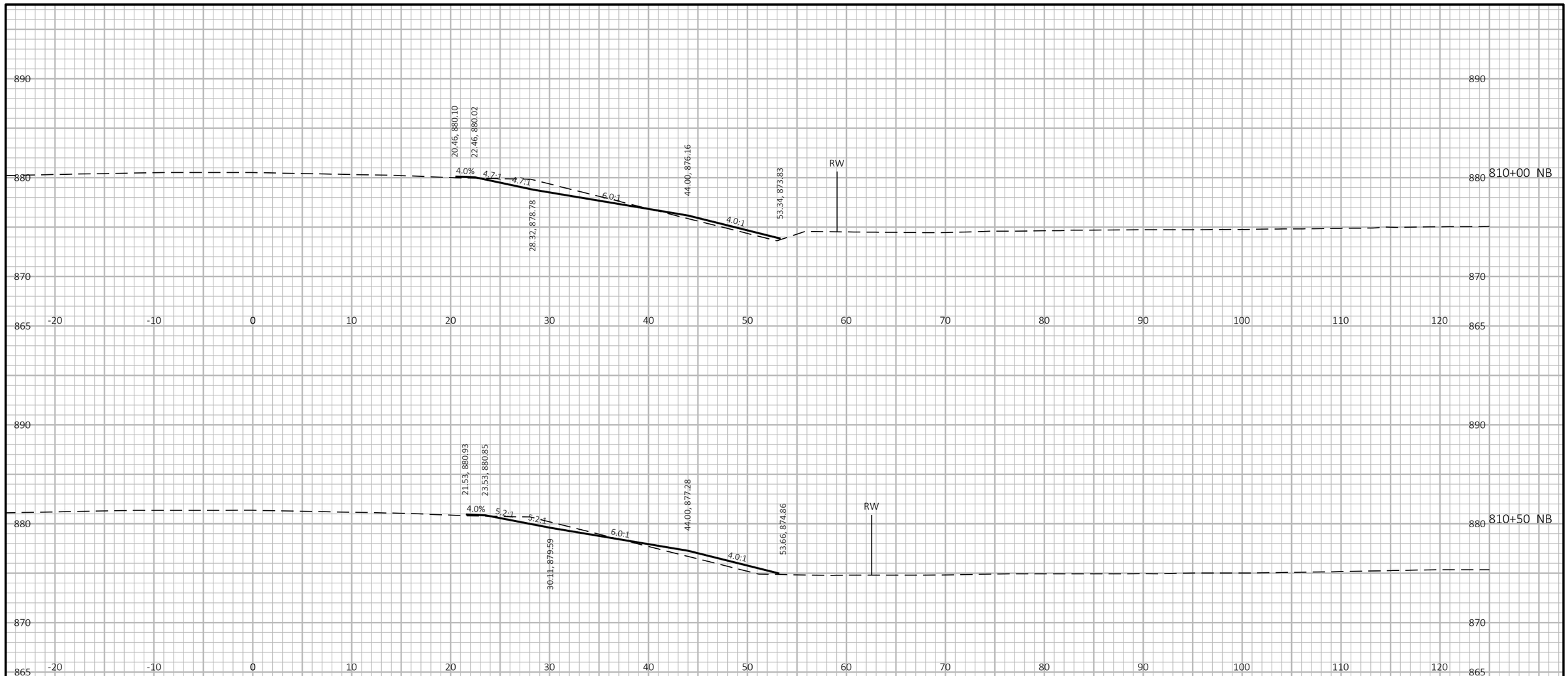
PLOT DATE : 7/22/2025 7:22 PM

PLOT BY : JURECZEK, JESSIE

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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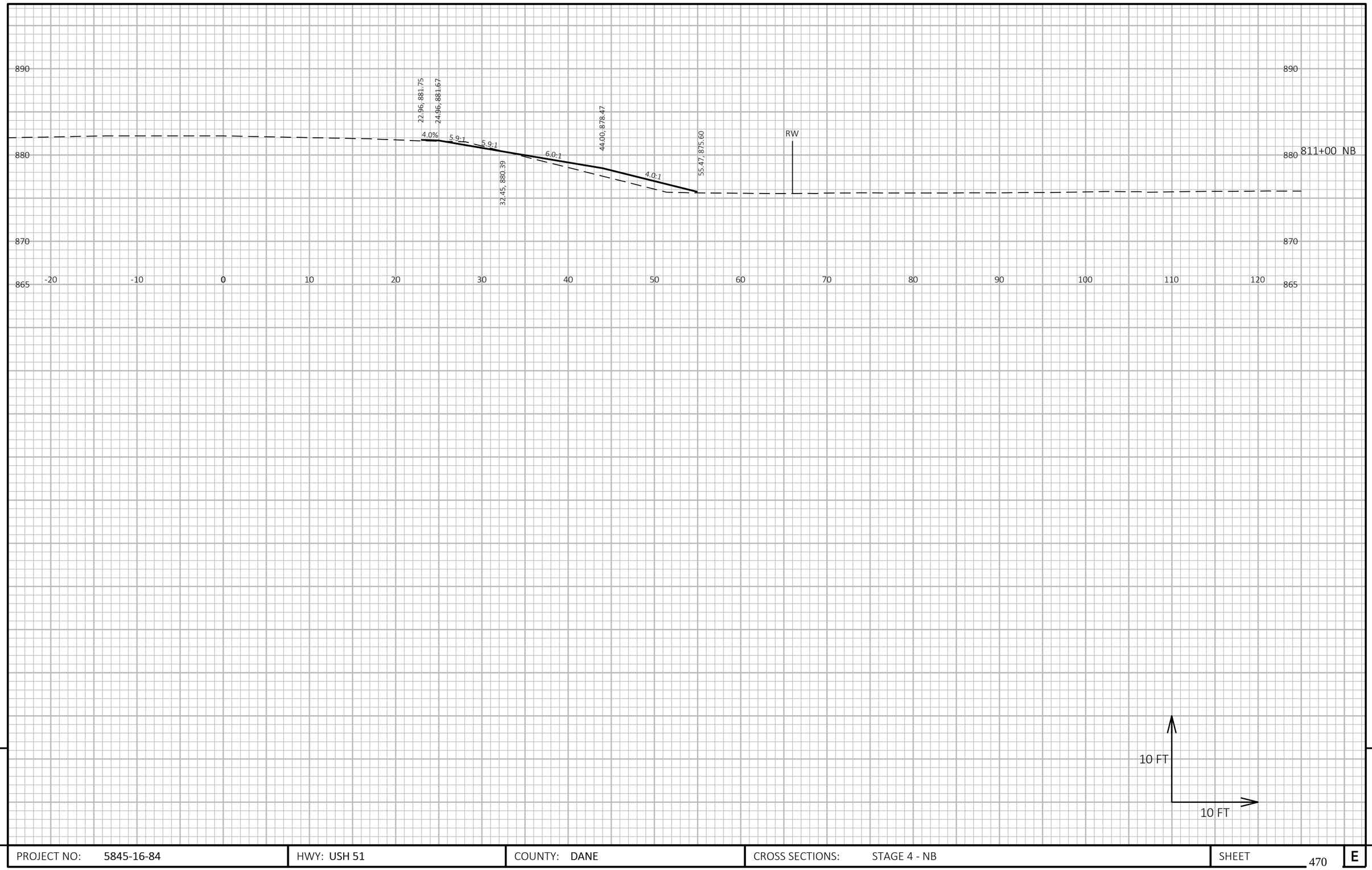
PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: STAGE 4 - NB	SHEET 469	E

FILE NAME : S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201-XS-S4.DWG
LAYOUT NAME - 090201-xs-nb-s4-5

PLOT DATE : 7/22/2025 7:22 PM PLOT BY : JURECZEK, JESSIE PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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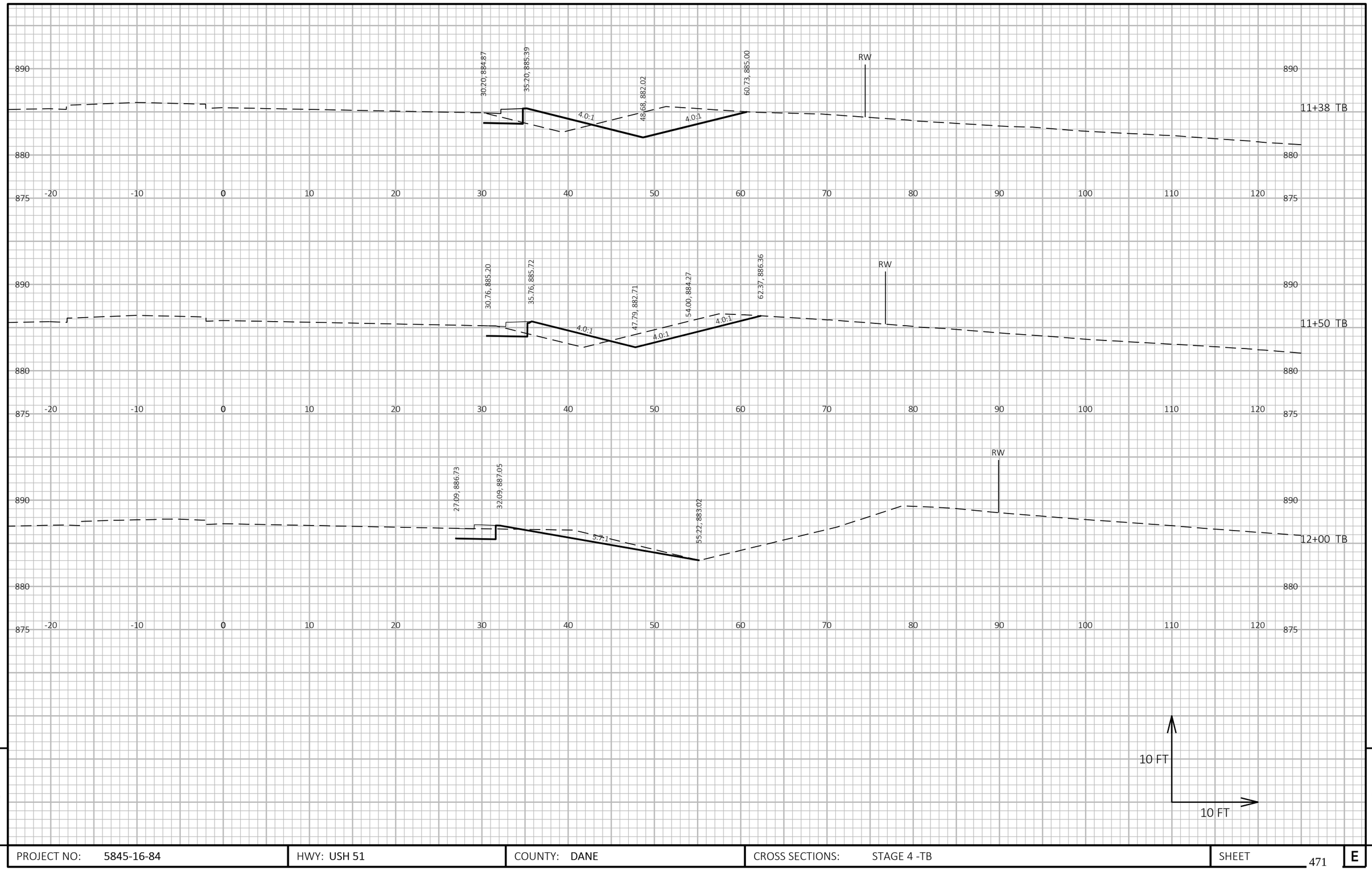
PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: STAGE 4 - NB	SHEET 470	E

FILE NAME : S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201-XS-S4.DWG
LAYOUT NAME - 090201-xs-nb-s4-6

PLOT DATE : 7/22/2025 7:23 PM PLOT BY : JURECZEK, JESSIE PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

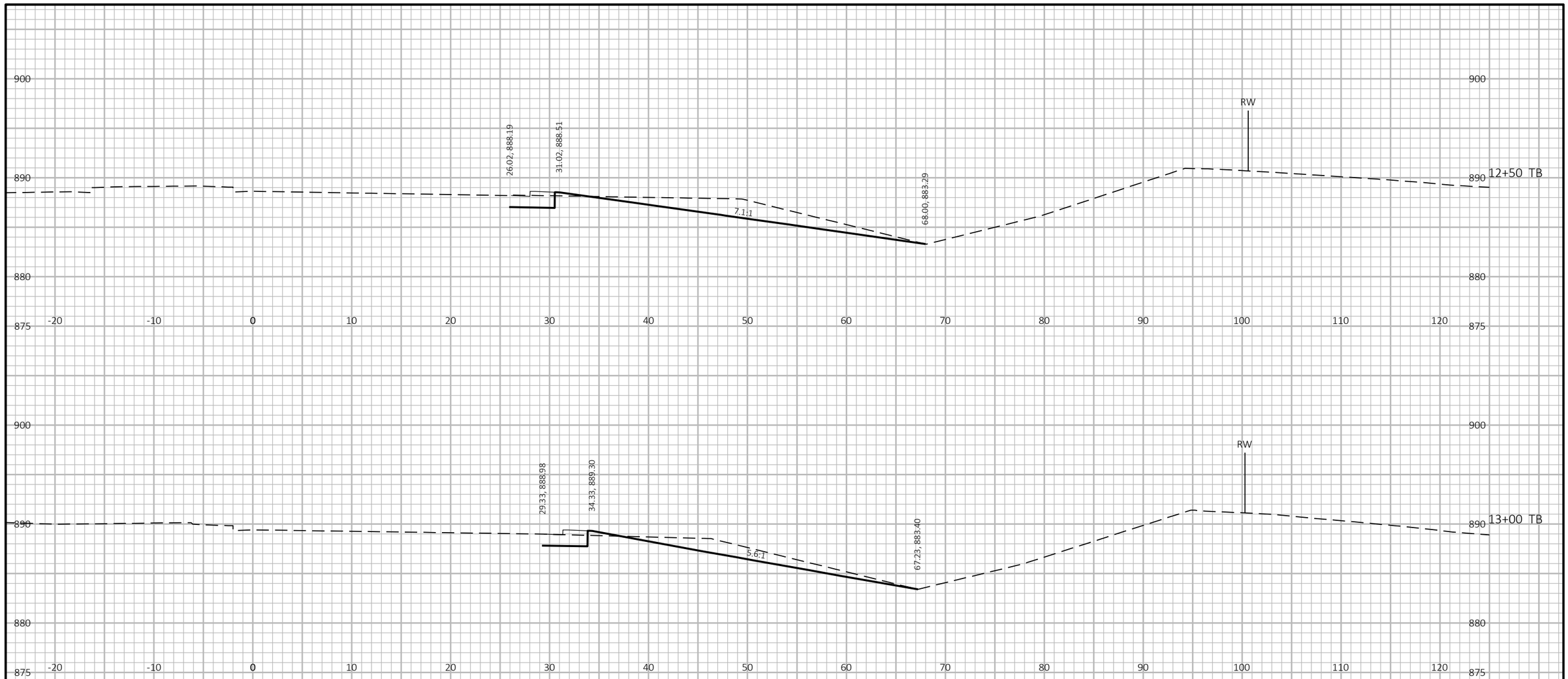


PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: STAGE 4 -TB	SHEET 471	E

FILE NAME : S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201-XS-S4.DWG
LAYOUT NAME - 090201-xs-tb-s4-1

PLOT DATE : 7/22/2025 7:23 PM PLOT BY : JURECZEK, JESSIE PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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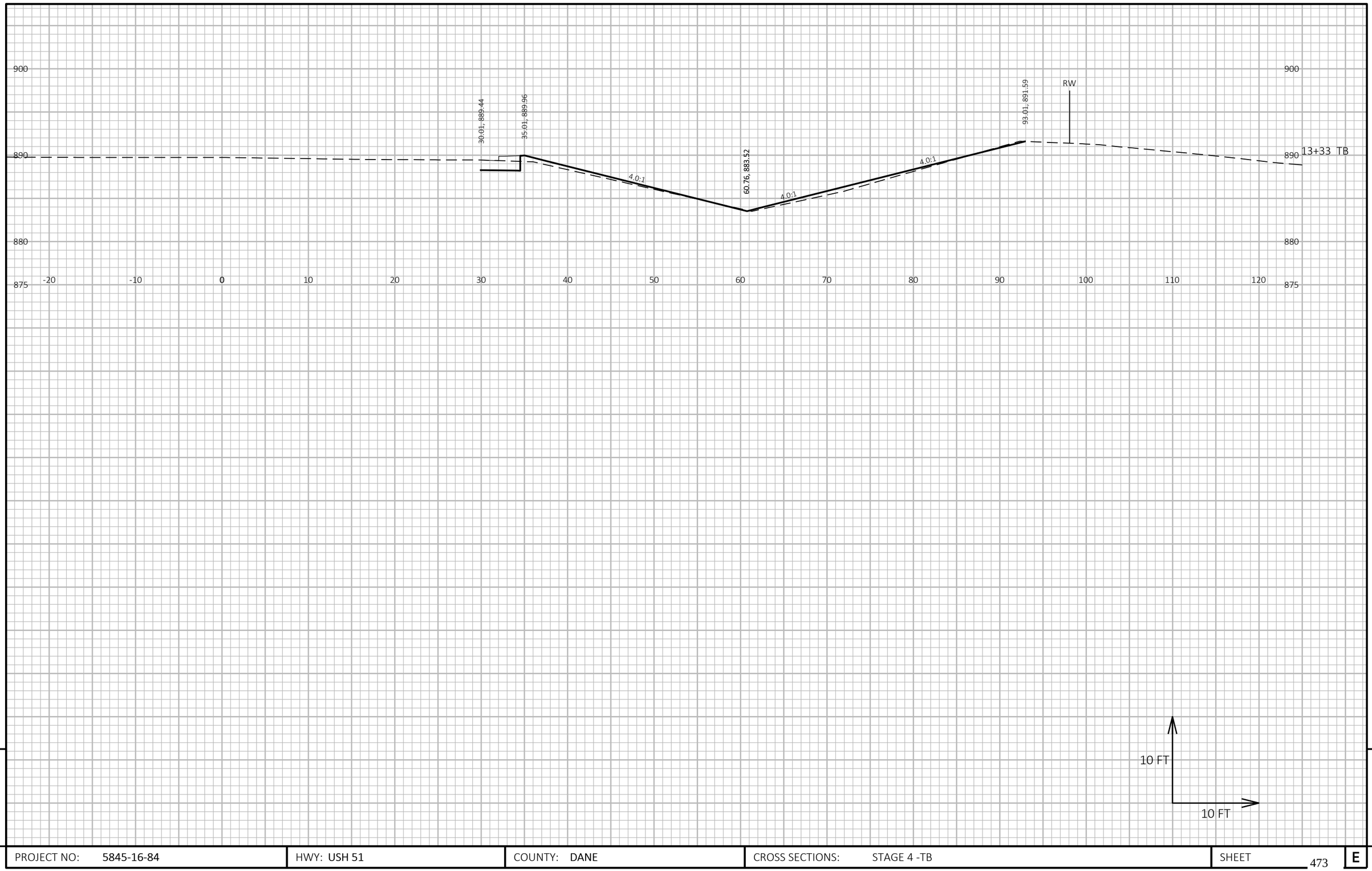
PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: STAGE 4 -TB	SHEET 472	E

FILE NAME : S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201-XS-S4.DWG
LAYOUT NAME - 090201-xs-tb-s4-2

PLOT DATE : 7/22/2025 7:23 PM PLOT BY : JURECZEK, JESSIE PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



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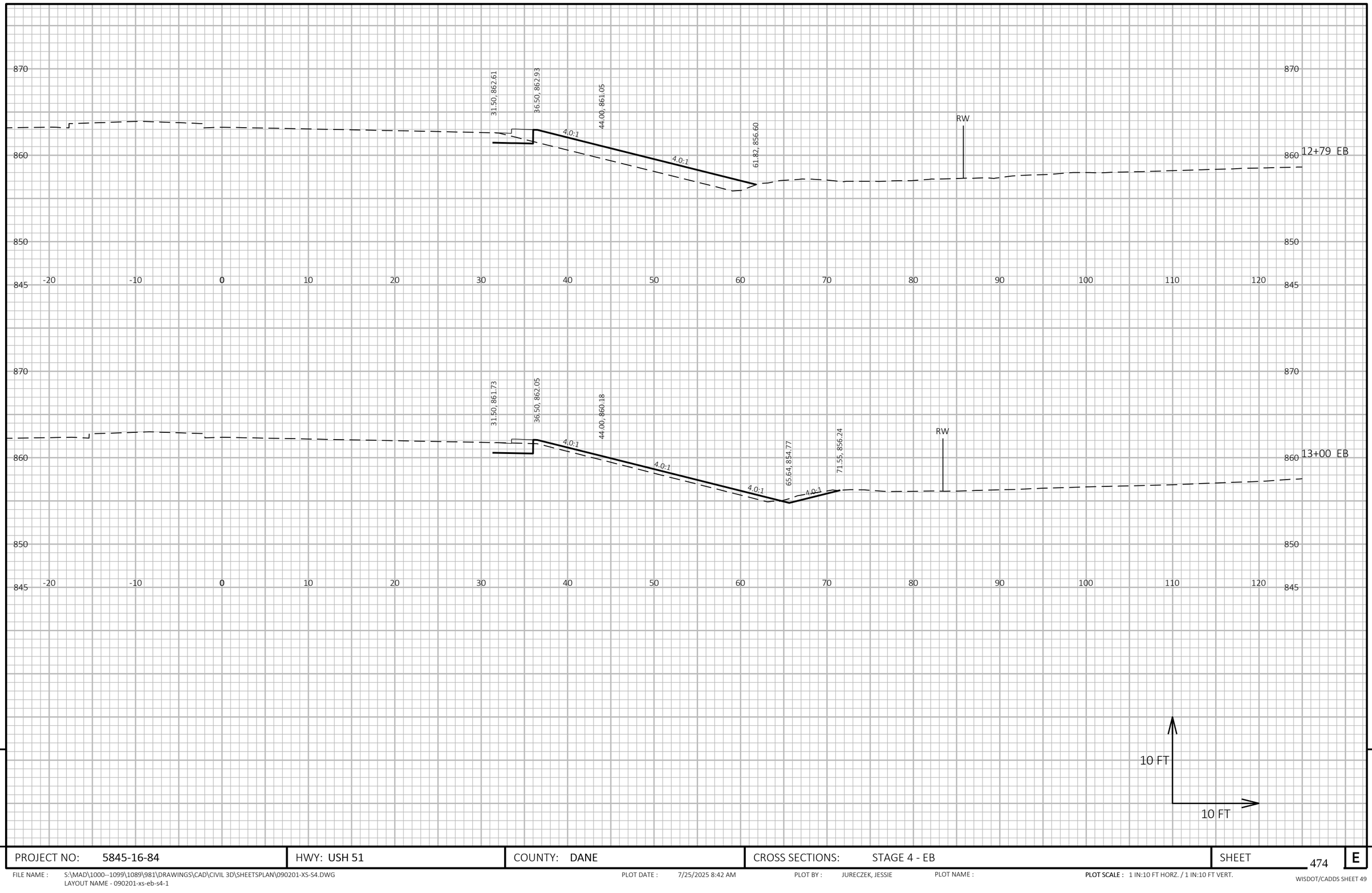
PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: STAGE 4 -TB	SHEET 473	E

FILE NAME : S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201-XS-S4.DWG
LAYOUT NAME - 090201-xs-tb-s4-3

PLOT DATE : 7/22/2025 7:23 PM PLOT BY : JURECZEK, JESSIE PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



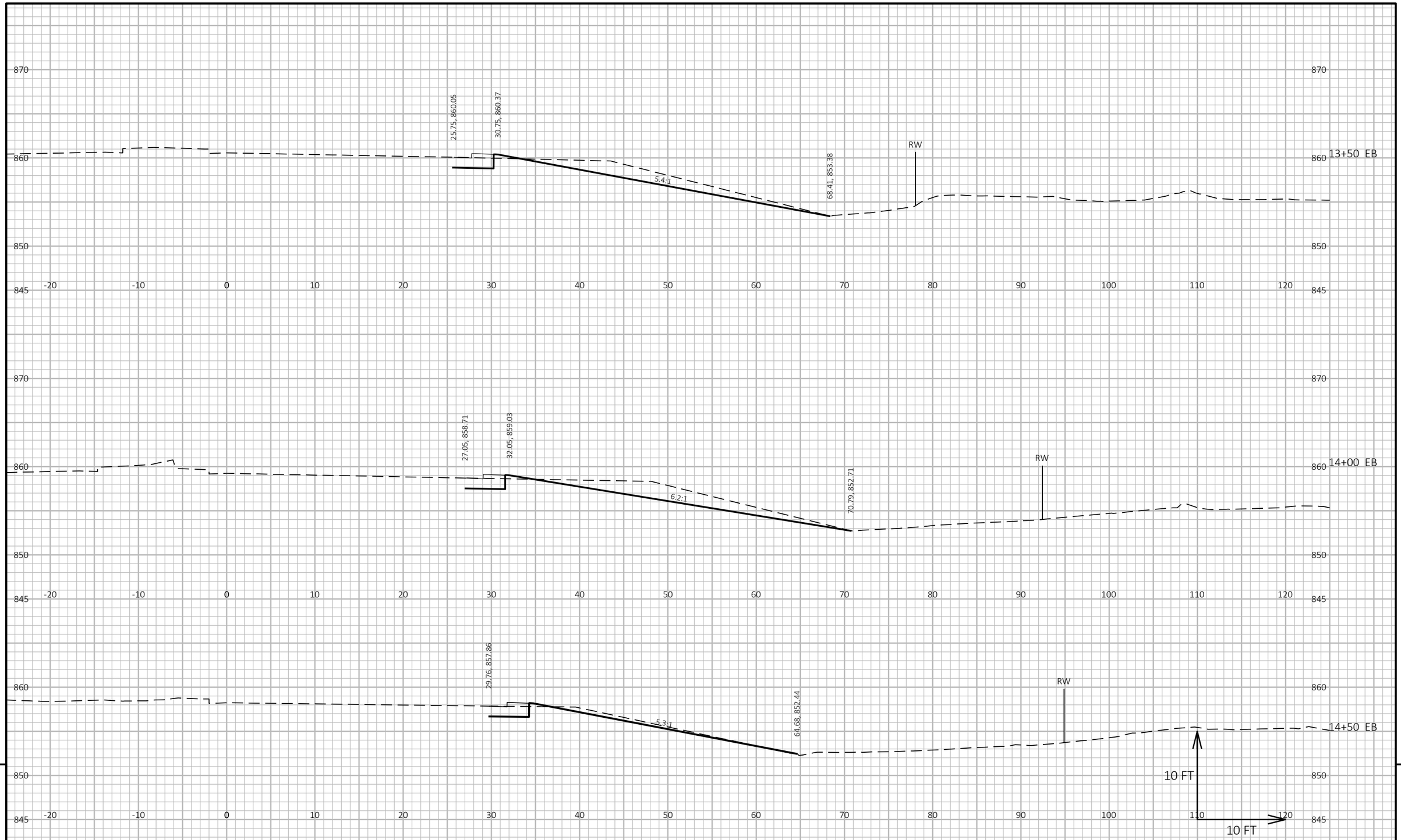
PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: STAGE 4 - EB	SHEET 474	E

FILE NAME : S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201-XS-S4.DWG
LAYOUT NAME - 090201-xs-eb-s4-1

PLOT DATE : 7/25/2025 8:42 AM PLOT BY : JURECZEK, JESSIE PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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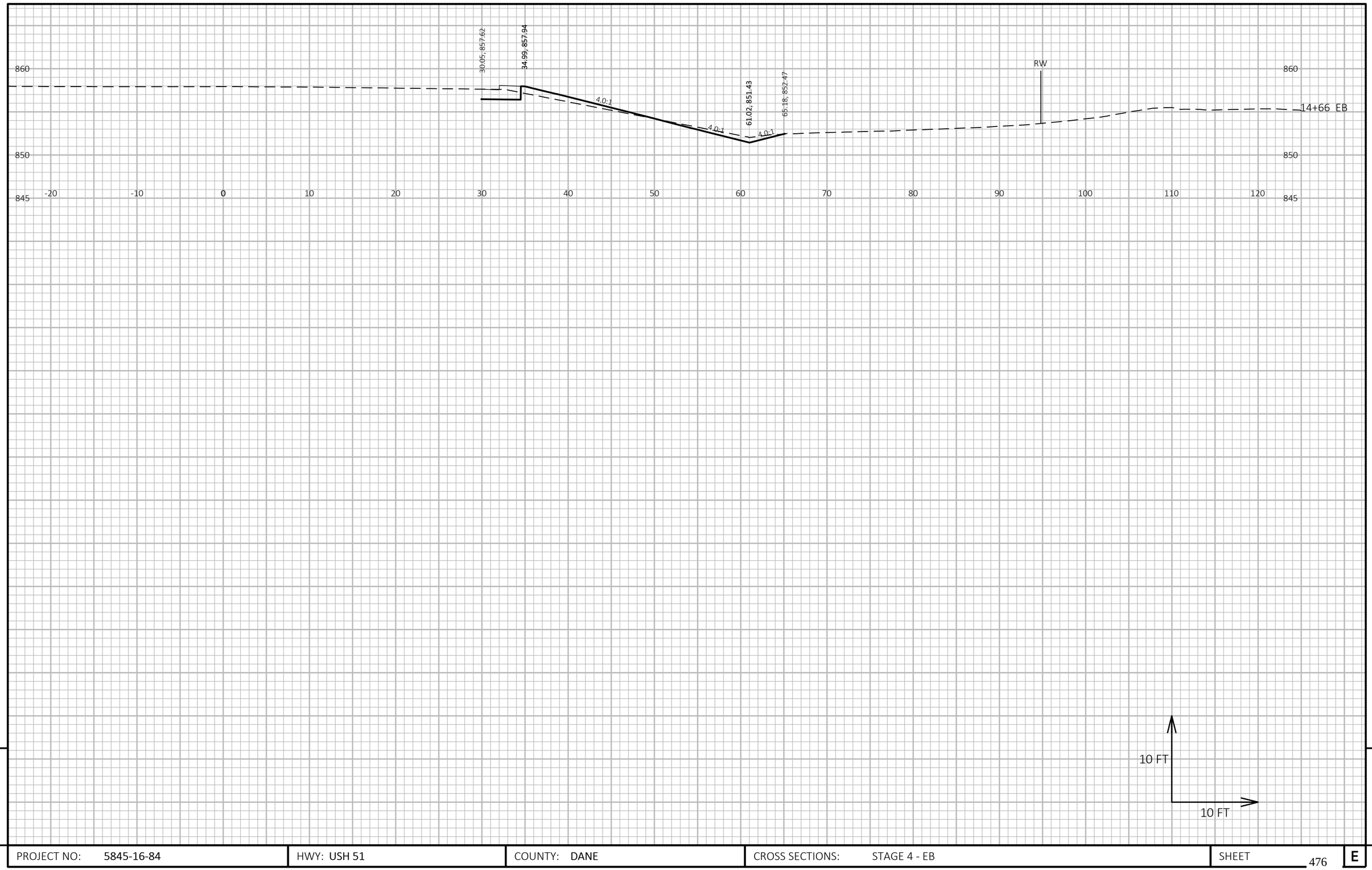
PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: STAGE 4 - EB	SHEET 475	E

FILE NAME : S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201-XS-S4.DWG
LAYOUT NAME - 090201-xs-eb-s4-2

PLOT DATE : 7/25/2025 8:42 AM PLOT BY : JURECZEK, JESSIE PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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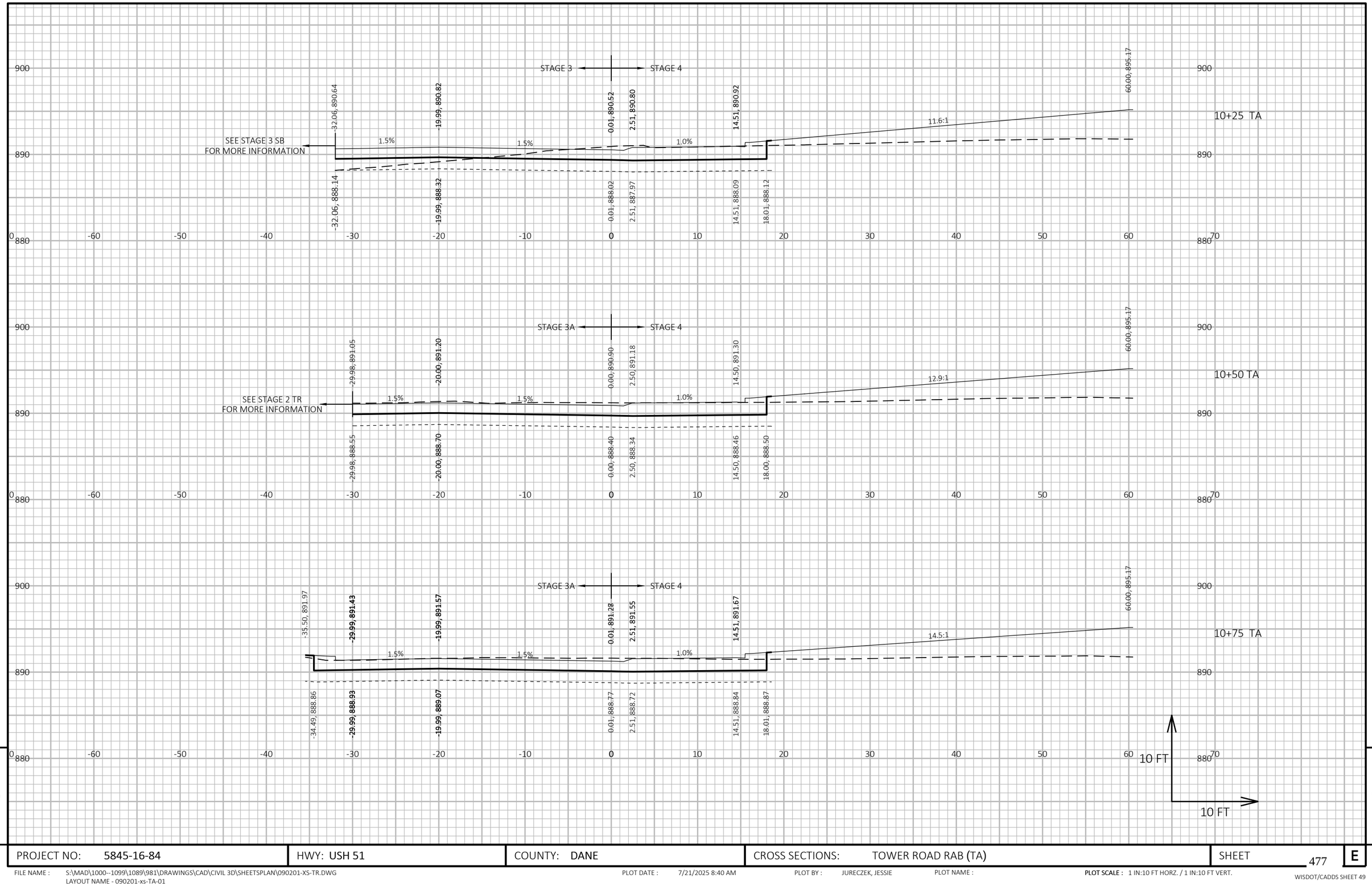
PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: STAGE 4 - EB	SHEET 476	E

FILE NAME : S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201-XS-S4.DWG
LAYOUT NAME - 090201-xs-eb-s4-3

PLOT DATE : 7/25/2025 8:42 AM PLOT BY : JURECZEK, JESSIE PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

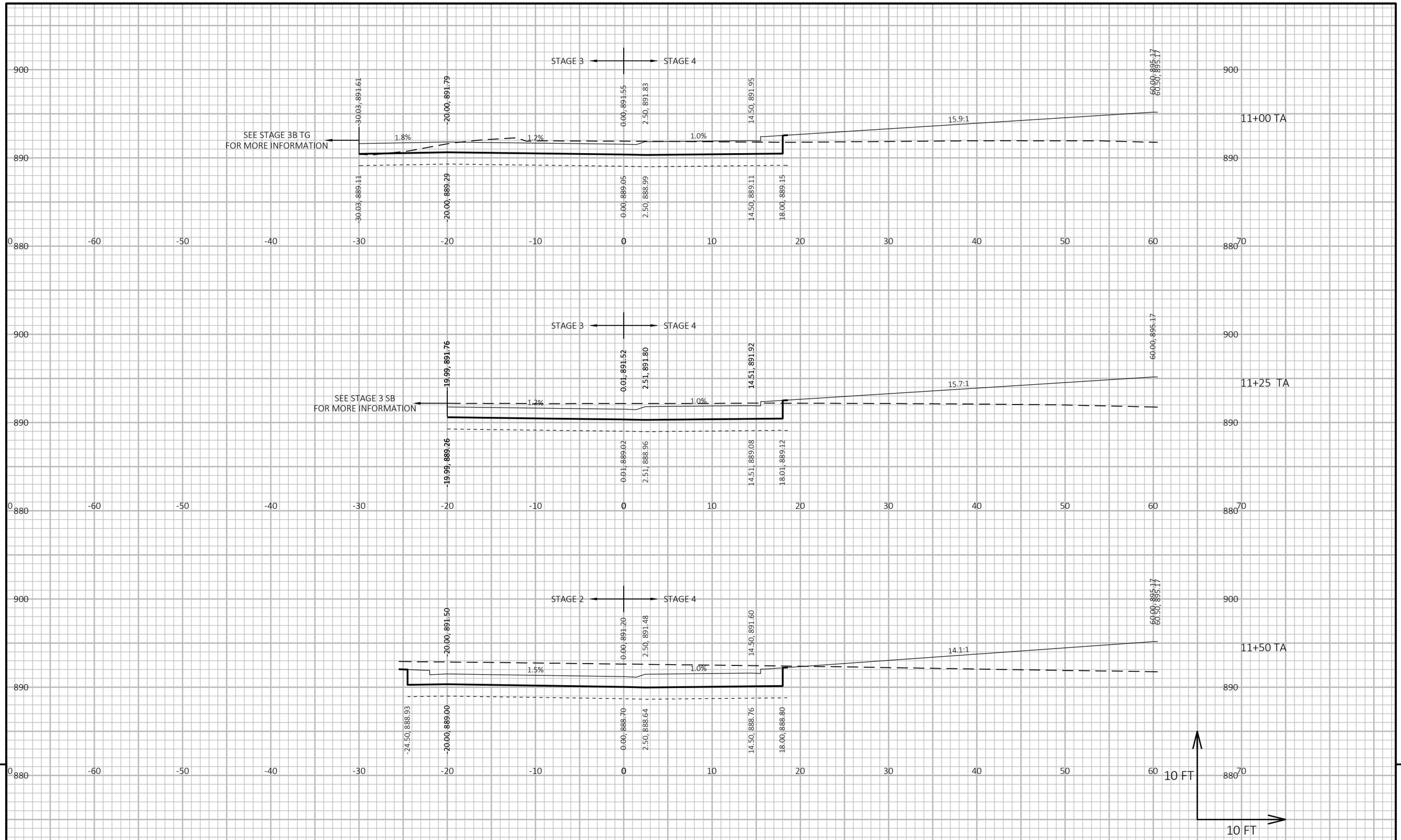


PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: TOWER ROAD RAB (TA)	SHEET 477	E

FILE NAME : S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201-XS-TR.DWG
LAYOUT NAME - 090201-xs-TA-01

PLOT DATE : 7/21/2025 8:40 AM PLOT BY : JURECZEK, JESSIE PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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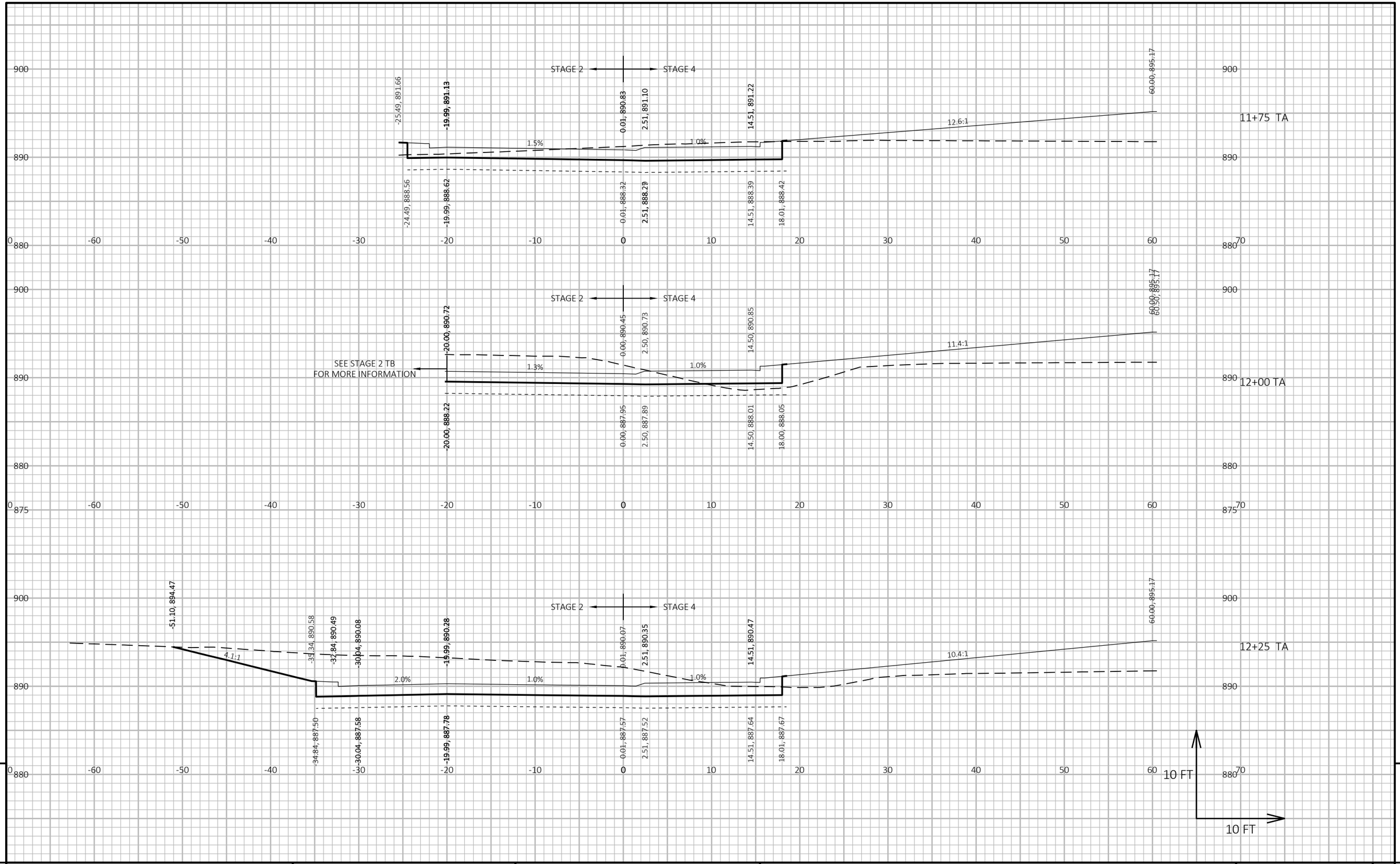
PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: TOWER ROAD RAB (TA)	SHEET 478	E

FILE NAME : S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201-XS-TR.DWG
LAYOUT NAME - 090201-xs-TA-02

PLOT DATE : 7/21/2025 8:40 AM PLOT BY : JURECZEK, JESSIE PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

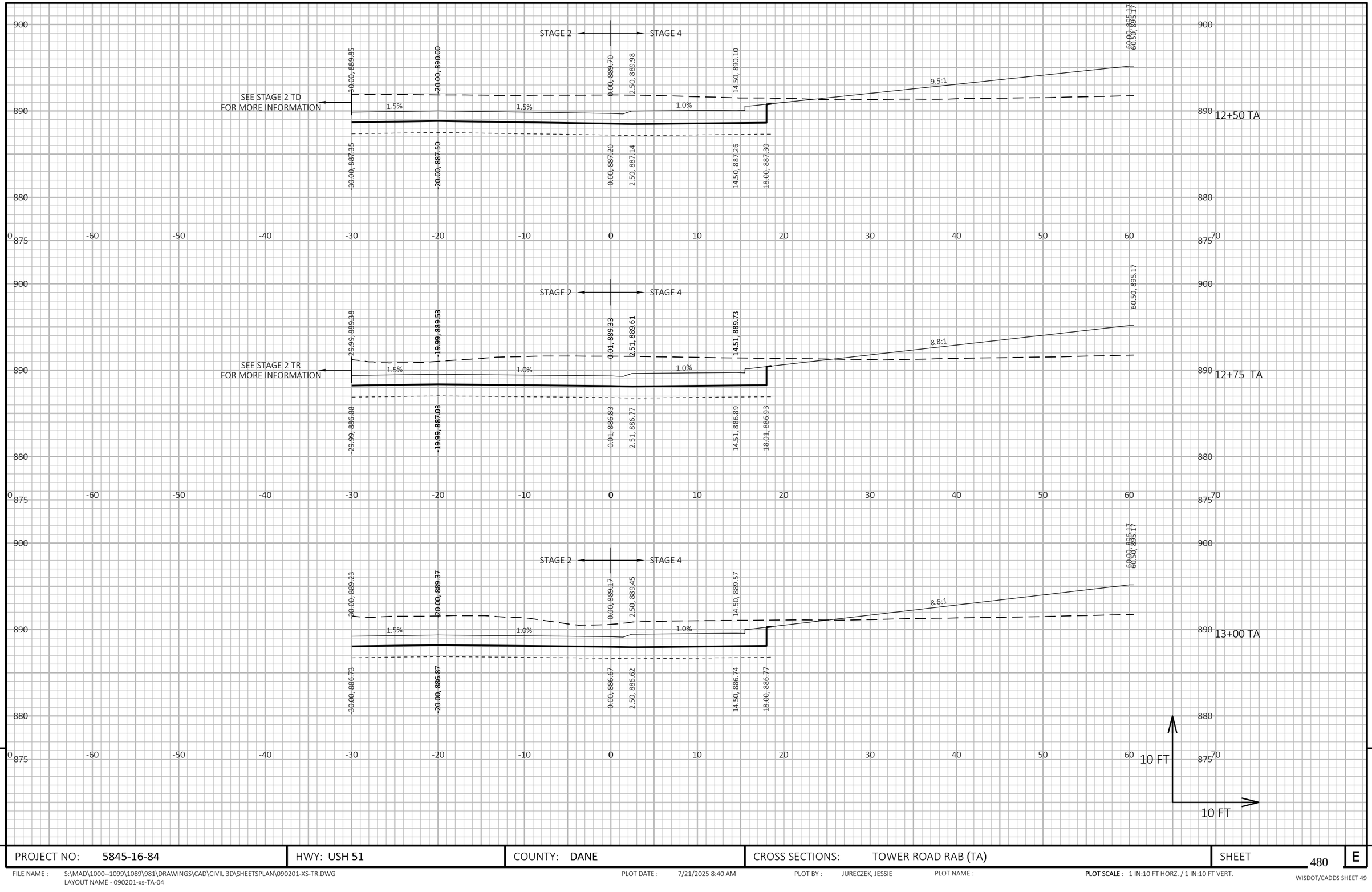


PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: TOWER ROAD RAB (TA)	SHEET 479	E

FILE NAME : S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201-XS-TR.DWG
LAYOUT NAME - 090201-xs-TA-03

PLOT DATE : 7/21/2025 8:40 AM PLOT BY : JURECZEK, JESSIE PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

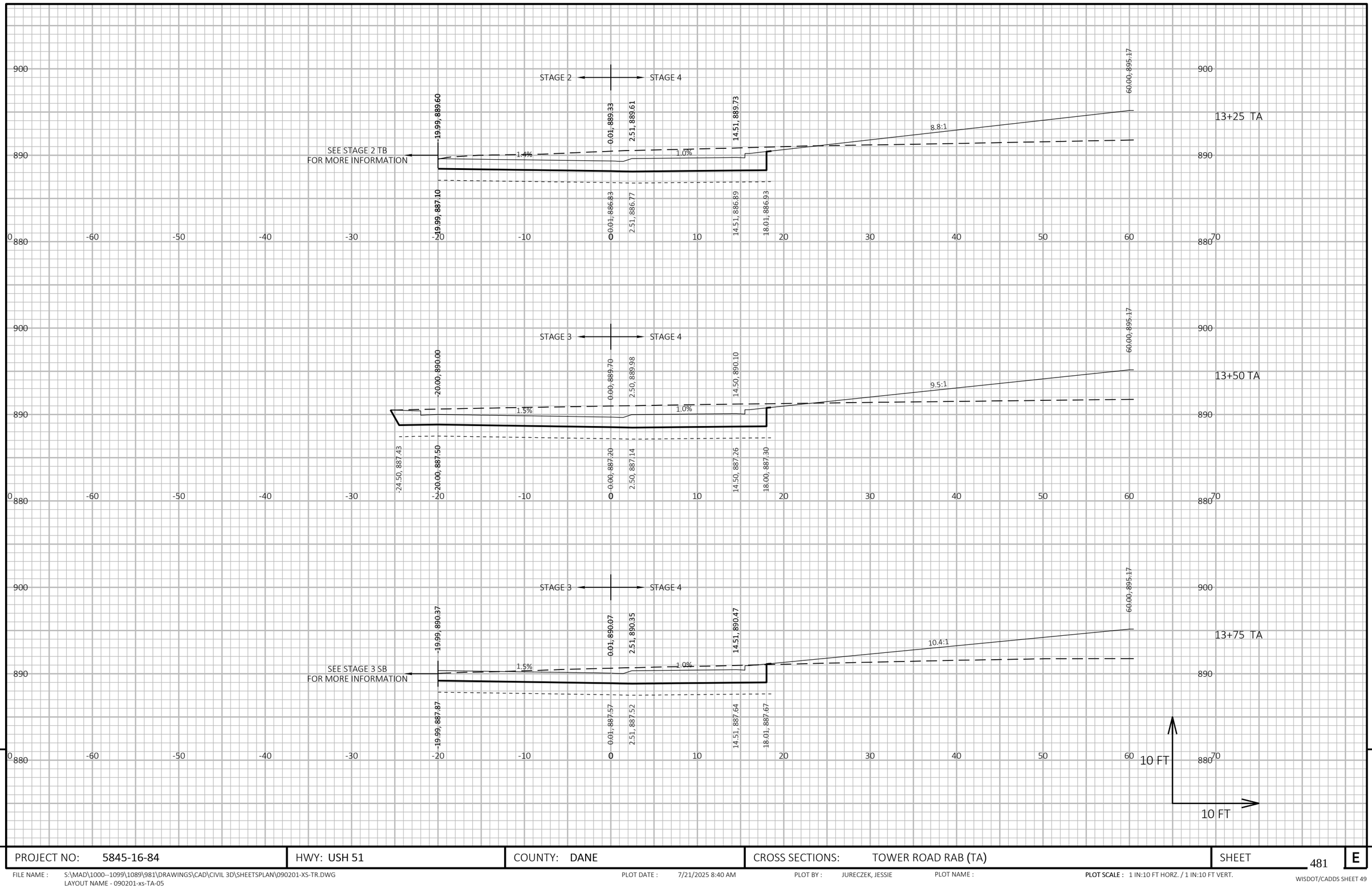


PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: TOWER ROAD RAB (TA)	SHEET 480	E

FILE NAME : S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201-XS-TR.DWG
LAYOUT NAME - 090201-xs-TA-04

PLOT DATE : 7/21/2025 8:40 AM PLOT BY : JURECZEK, JESSIE PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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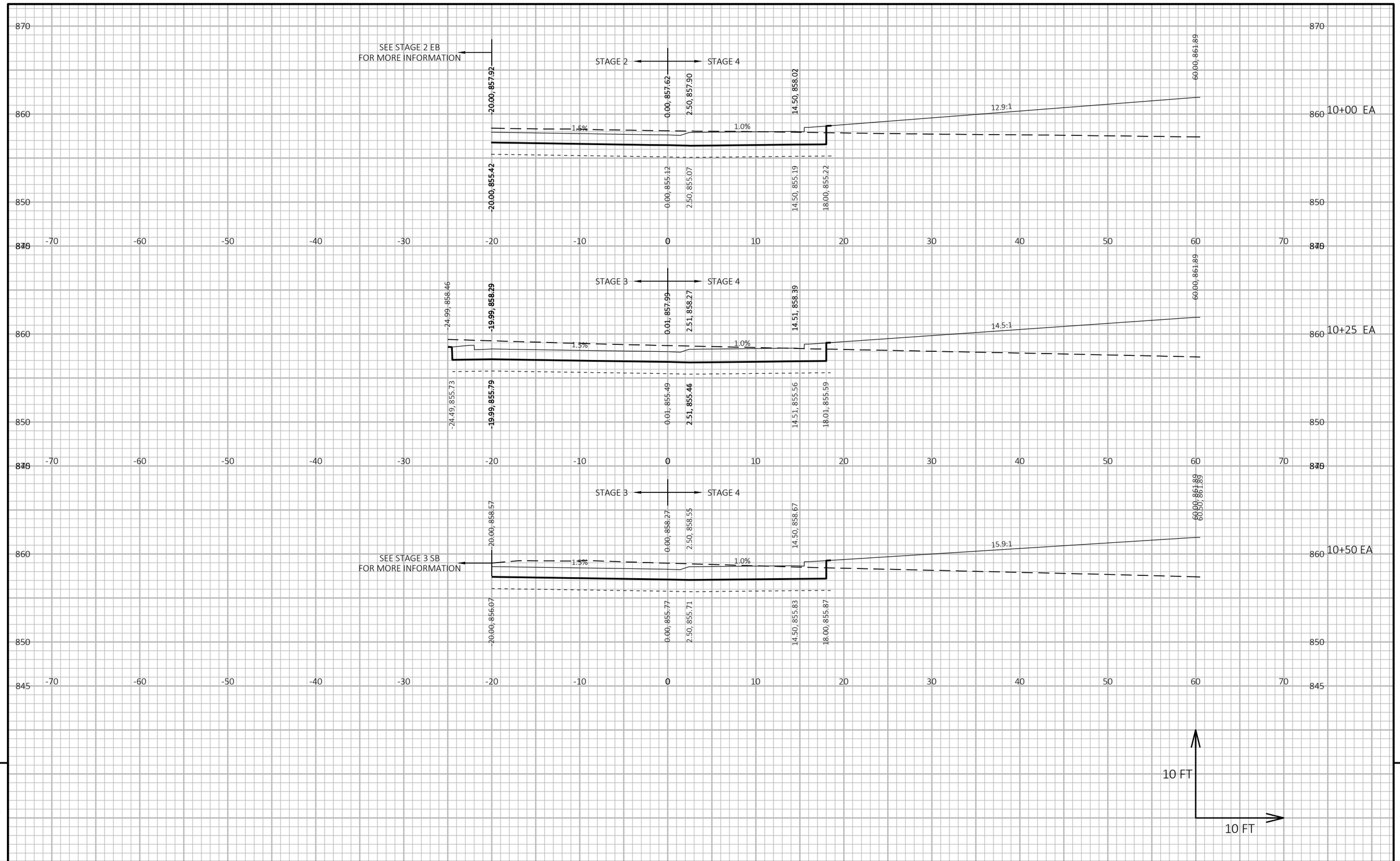
PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: TOWER ROAD RAB (TA)	SHEET 481	E

FILE NAME : S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201-XS-TR.DWG
LAYOUT NAME - 090201-xs-TA-05

PLOT DATE : 7/21/2025 8:40 AM PLOT BY : JURECZEK, JESSIE PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

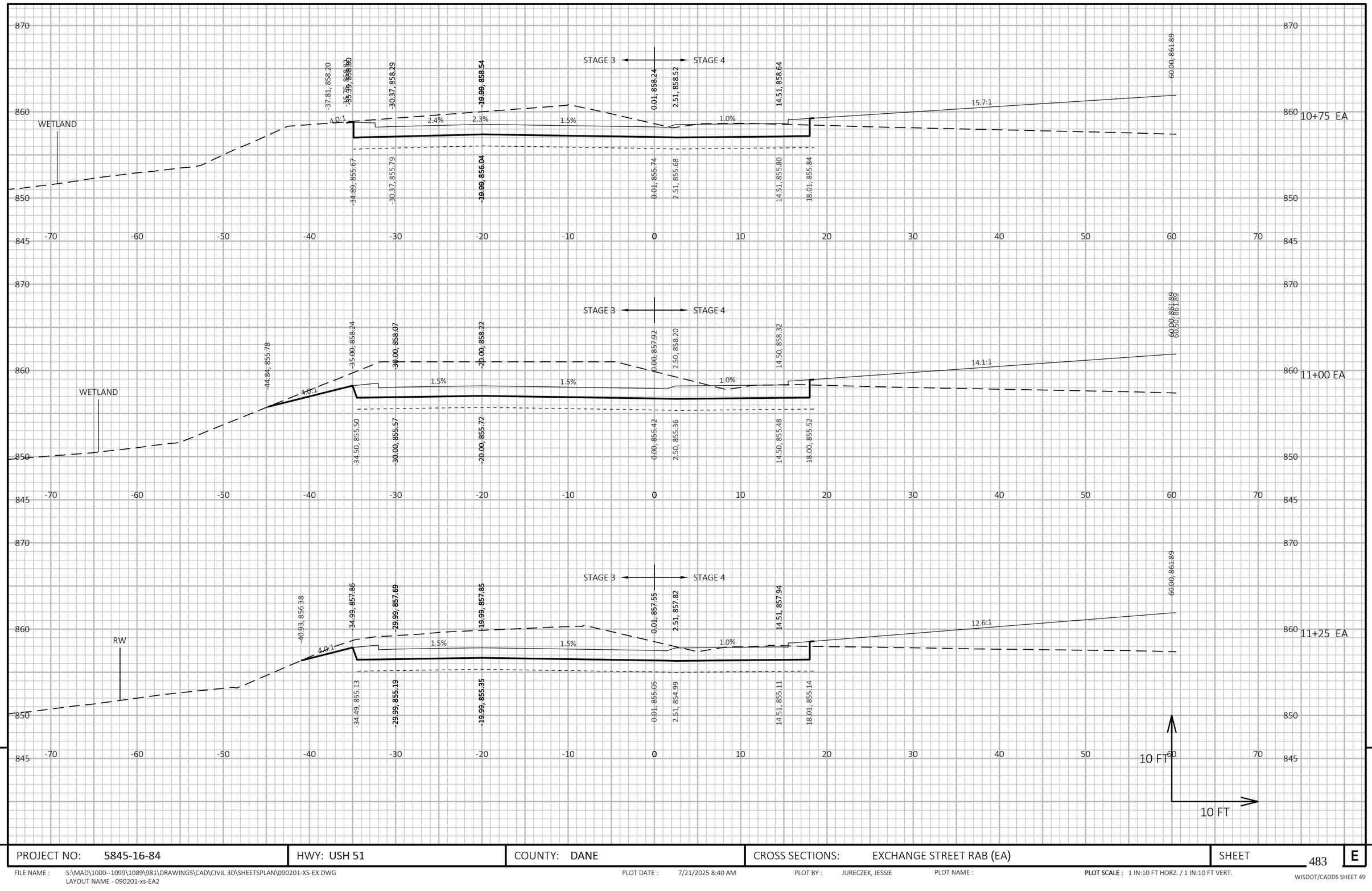


PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: EXCHANGE STREET RAB (EA)	SHEET 482	E

FILE NAME : S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201-XS-EX.DWG
LAYOUT NAME - 090201-xs-EA1

PLOT DATE : 7/21/2025 8:40 AM PLOT BY : JURECZEK, JESSIE PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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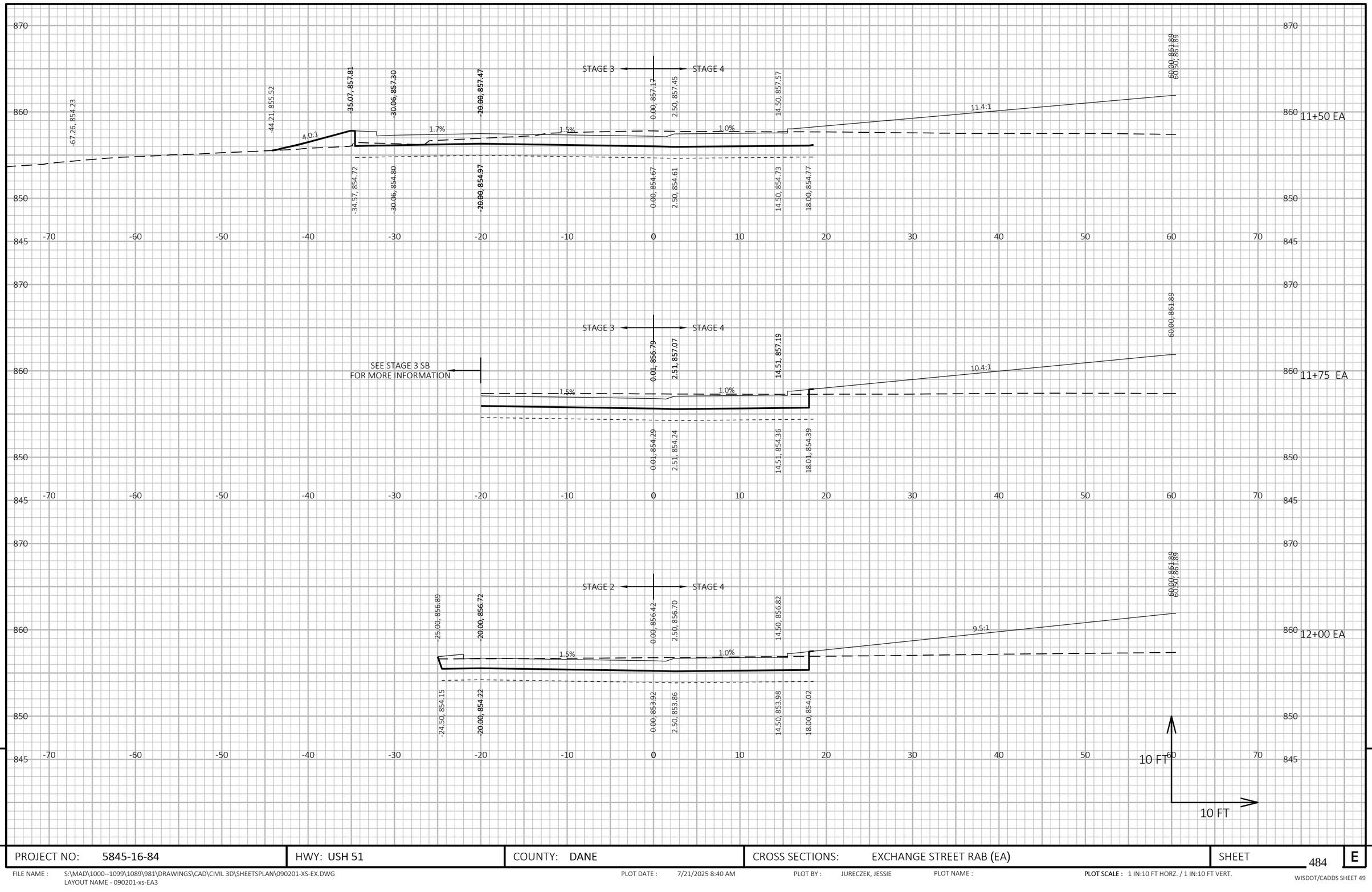
PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: EXCHANGE STREET RAB (EA)	SHEET 483	E

FILE NAME : S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201-XS-EX.DWG
LAYOUT NAME - 090201-xs-EA2

PLOT DATE : 7/21/2025 8:40 AM PLOT BY : JURECZEK, JESSIE PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

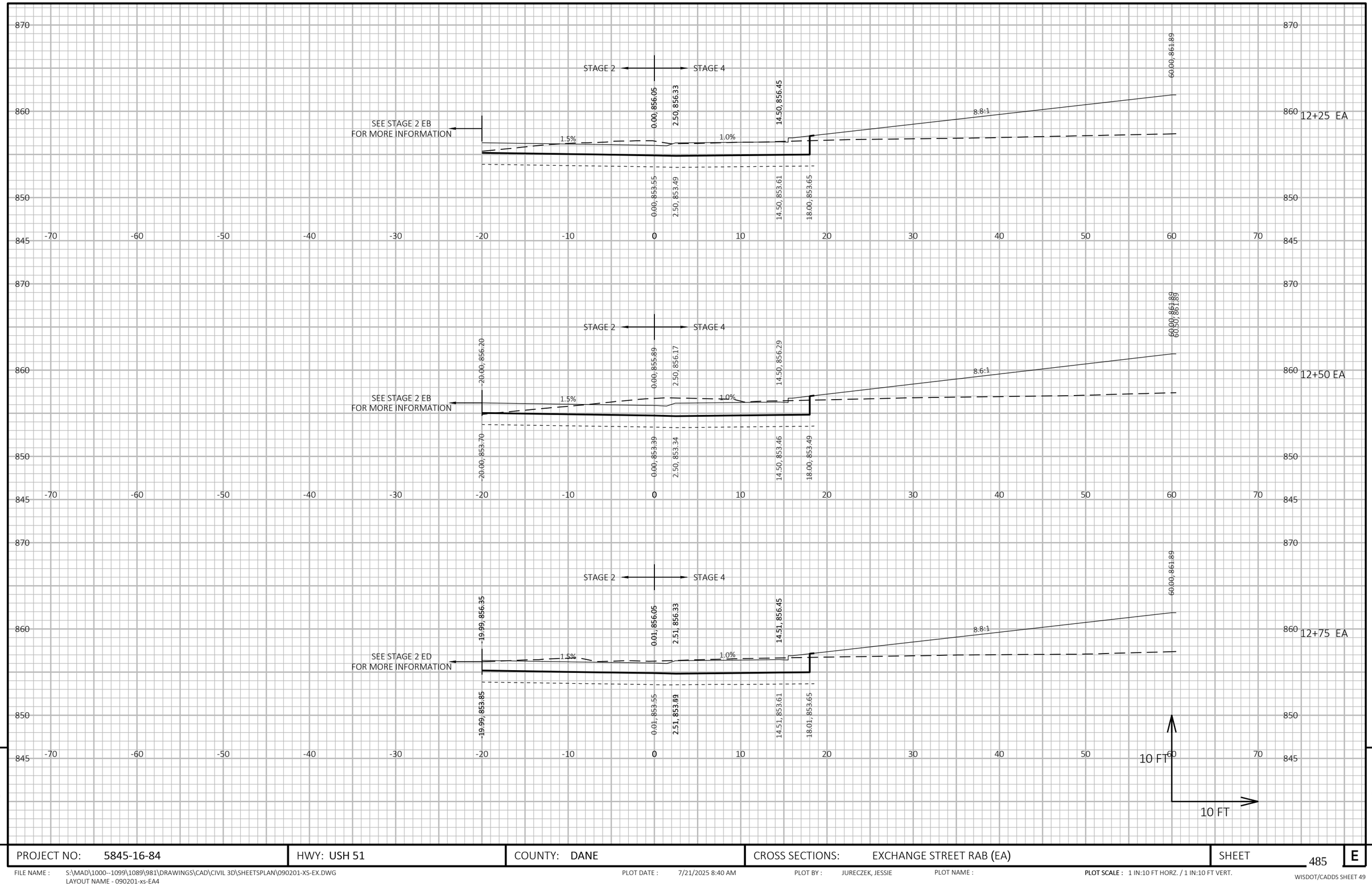


PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: EXCHANGE STREET RAB (EA)	SHEET 484	E

FILE NAME : S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201-XS-EX.DWG
LAYOUT NAME - 090201-xs-EA3

PLOT DATE : 7/21/2025 8:40 AM PLOT BY : JURECZEK, JESSIE PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

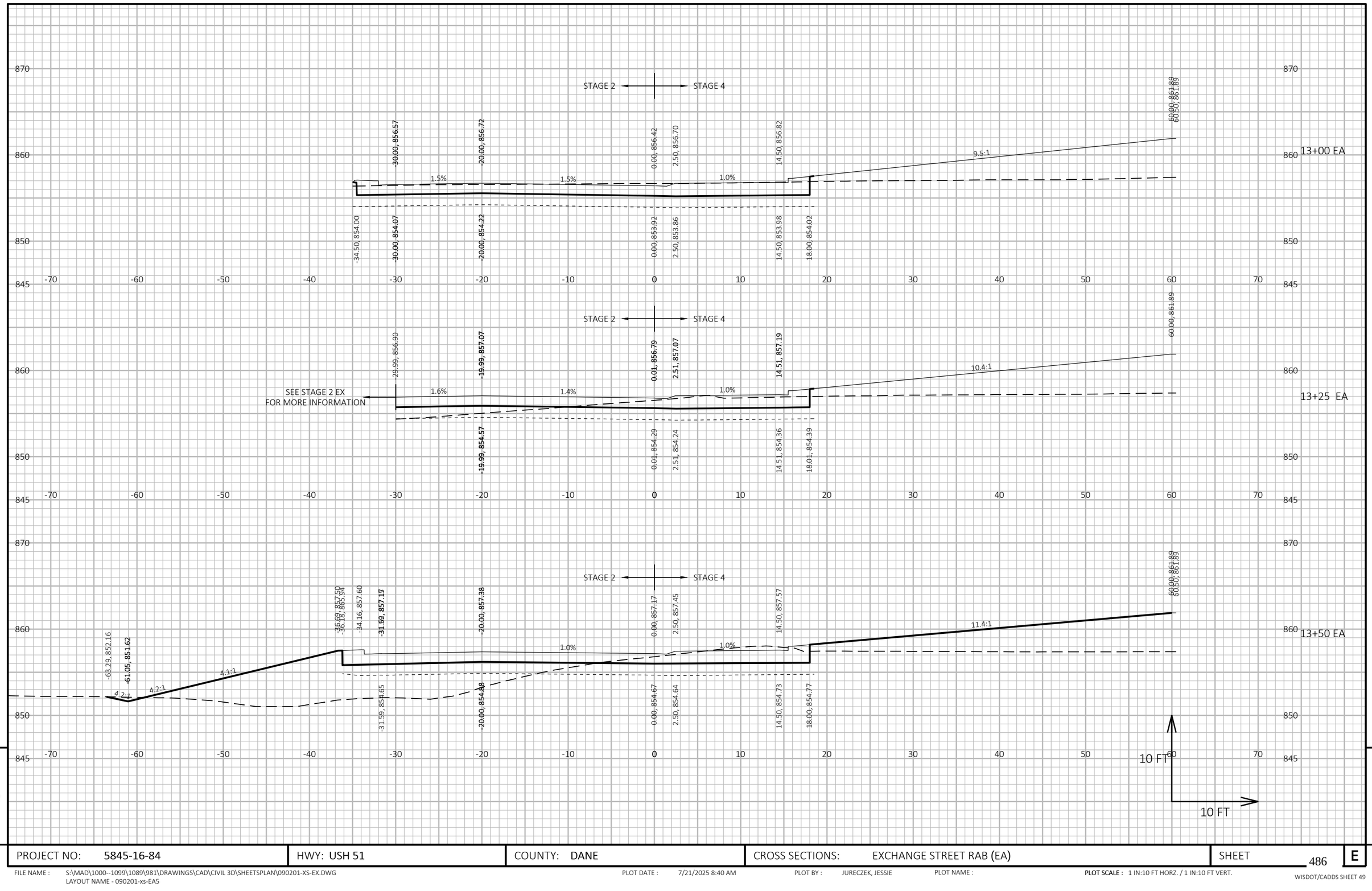


PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: EXCHANGE STREET RAB (EA)	SHEET 485	E

FILE NAME : S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201-XS-EX.DWG
LAYOUT NAME - 090201-xs-EA4

PLOT DATE : 7/21/2025 8:40 AM PLOT BY : JURECZEK, JESSIE PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

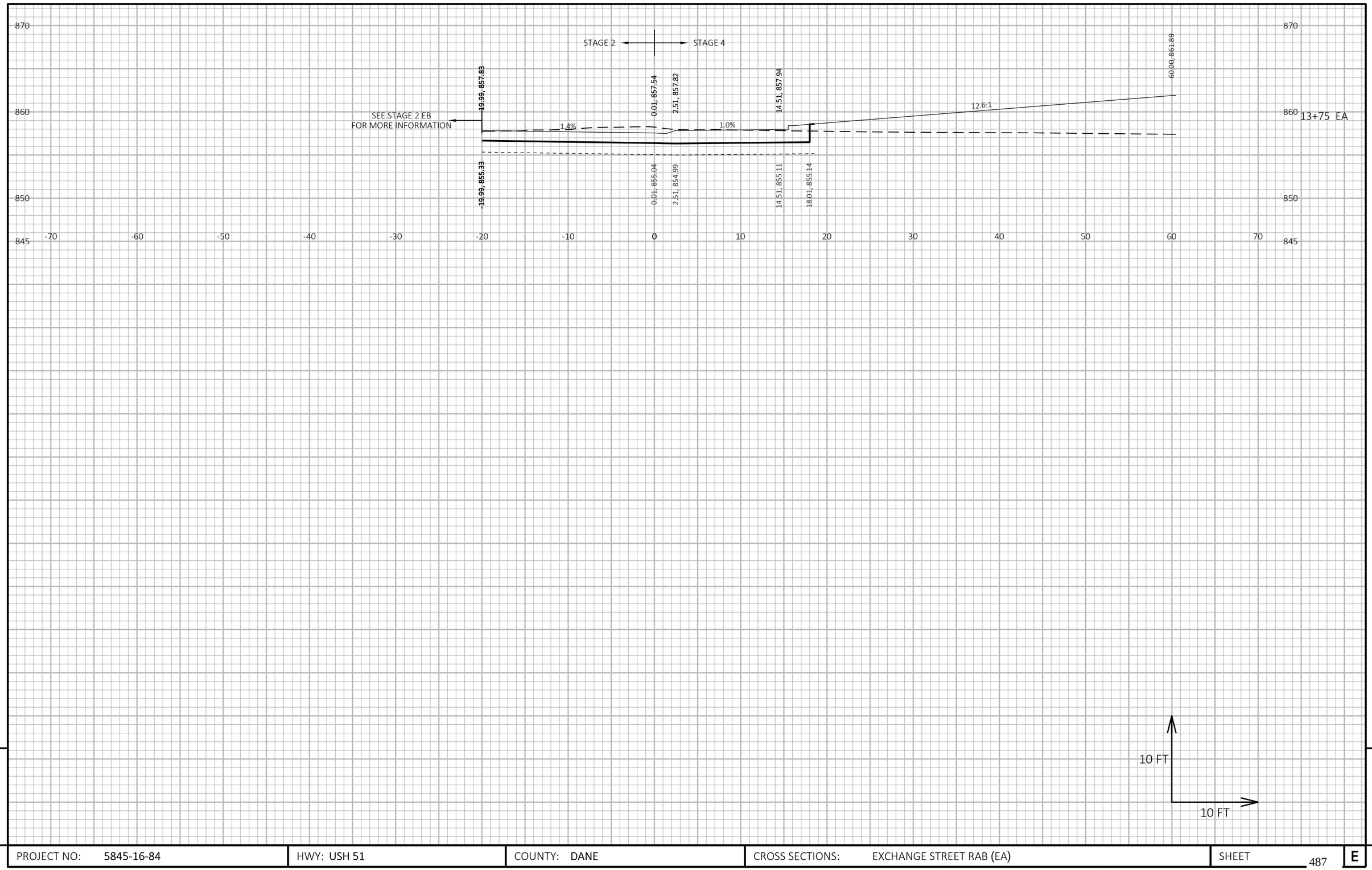


PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: EXCHANGE STREET RAB (EA)	SHEET 486	E

FILE NAME : S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201-XS-EX.DWG
LAYOUT NAME - 090201-xs-EA5

PLOT DATE : 7/21/2025 8:40 AM PLOT BY : JURECZEK, JESSIE PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 5845-16-84	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: EXCHANGE STREET RAB (EA)	SHEET 487	E

FILE NAME : S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201-XS-EX.DWG
LAYOUT NAME - 090201-xs-EA6

PLOT DATE : 7/21/2025 8:41 AM PLOT BY : JURECZEK, JESSIE PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

Wisconsin Department of Transportation

Dedicated people creating transportation solutions
through innovation and exceptional service.

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