GRE

PROJECT ID: 6180-30-71

WITH: 6180-30-72 / 6180-30-73

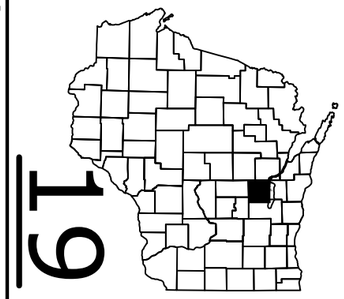
COUNTY: WINNEBAGO

NOVEMBER 2025

ORDER OF SHEETS

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

TOTAL SHEETS = 612



N

DESIGN DESIGNATION

A.A.D.T.	2026	=	11,090
A.A.D.T.	2046	=	11,090
D.H.V.		=	1,221
D.D.		=	60/40
T.		=	13.8
DESIGN SPEED		=	30 MPH URBAN/60 MPH RURAL
ESALS		=	3,800,000

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
6180-30-71	WISC 2026038	1
6180-30-72	WISC 2026039	1
6180-30-73	WISC 2026040	1

OMRO - OSHKOSH
STH 116 - LEONARD POINT ROAD
STH 21
WINNEBAGO COUNTY

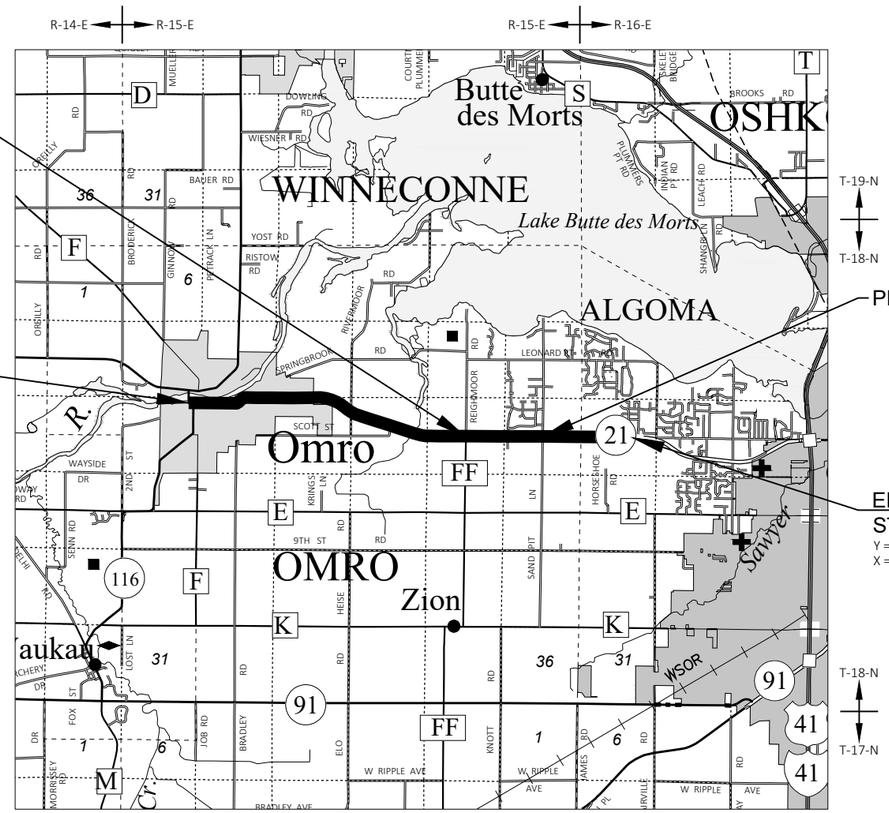
STATE PROJECT NUMBER
6180-30-71

OMRO - OSHKOSH
CTH FF / REIGHMOOR RD INTERSECTION
STH 21
WINNEBAGO COUNTY

STATE PROJECT NUMBER
6180-30-72

OMRO OSHKOSH
SAND PIT RD INTERSECTION
STH 21
WINNEBAGO COUNTY

STATE PROJECT NUMBER
6180-30-73



LAYOUT

SCALE 0 2 MI

6180-30-71 TOTAL NET LENGTH OF CENTERLINE = 6.000 MI
6180-30-72 TOTAL NET LENGTH OF CENTERLINE = 0.331 MI
6180-30-73 TOTLA NET LENGTH OF CENTERLINE = 0.337 MI

HORIZONTAL POSITIONS SHOWN ON THIS PLAN ARE WISCONSIN COORDINATE REFERENCE SYSTEM (WISCRS), WINNEBAGO 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 12A.

CONVENTIONAL SYMBOLS

PLAN		PROFILE	
CORPORATE LIMITS		GRADE LINE	
PROPERTY LINE		ORIGINAL GROUND	
LOT LINE		MARSH OR ROCK PROFILE (To be noted as such)	ROCK
LIMITED HIGHWAY EASEMENT		SPECIAL DITCH	LABEL
EXISTING RIGHT OF WAY		GRADE ELEVATION	95.36
PROPOSED OR NEW R/W LINE		CULVERT (Profile View)	
SLOPE INTERCEPT		**UTILITIES**	
REFERENCE LINE	300'EB'	ELECTRIC	E
EXISTING CULVERT		FIBER OPTIC	FO
PROPOSED CULVERT (Box or Pipe)		GAS	G
COMBUSTIBLE FLUIDS	CAUTION	SANITARY SEWER	SAN
		STORM SEWER	SS
MARSH AREA		TELEPHONE	T
		WATER	W
WOODED OR SHRUB AREA		UTILITY PEDESTAL	
		POWER POLE	
		TELEPHONE POLE	

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY

Surveyor	NE REGION
Designer	E. DANKE
Project Manager	W. BERTRAND
Regional Examiner	REGIONAL EXAMINER
Regional Supervisor	T. RABE

APPROVED FOR THE DEPARTMENT

DATE: 7-30-2025 Bill Bertrand, P.E.
(Signature)

E

FILE NAME : N:\PDS\C3D\61803000\SHEETSPLAN\010101-TI.DWG PLOT DATE : 7/15/2025 10:57 AM PLOT BY : BALDERAS-RUEDEN, ANN PLOT NAME :

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.

RIGHT OF WAY INFORMATION SHOWN ON THE PLANS IS APPROXIMATE.

BEARINGS SHOWN ARE BASED ON THE COUNTY COORDINATE SYSTEM.

CURVE DATA IS BASED ON THE ARC DEFINITION.

RADIUS DIMENSIONS FOR THE CURB AND GUTTER ARE TO THE FLANGE LINE UNLESS OTHERWISE NOTED.

CURB AND GUTTER PLAN GRADES ARE AT THE FLANGE LINE UNLESS OTHERWISE NOTED.

WHEN THE QUANTITY OF THE ITEMS OF BASE AGGREGATE, SUBBASE OR HMA PAVEMENT IS MEASURED FOR PAYMENT BY THE TON OR CUBIC YARD, THE DEPTH OR THICKNESS OF THE LAYERS SHOWN ON THE PLAN IS APPROXIMATE AND THE ACTUAL THICKNESS WILL DEPEND ON THE DISTRIBUTION OF THE MATERIAL AS DIRECTED BY THE ENGINEER.

THE EXACT LOCATION AND WIDTH OF DRIVEWAYS SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD. DRIVEWAYS SHALL BE REPLACED IN KIND UNLESS DIRECTED BY THE ENGINEER OR AS SHOWN IN THE PLANS.

THE PROPOSED SHOULDER WIDTH SHOWN IN THE TYPICAL SECTIONS ARE MINIMUM WIDTH. PERPETUATE EXISTING SHOULDERS THAT ARE WIDER THAN WHAT IS SHOWN IN THE TYPICAL SECTIONS.

PRIOR TO PLACEMENT OF BEAM GUARD THE SHOULDERS SHALL BE IN PLACE, SHAPED AND COMPACTED.

DO NOT DRIVE OR STORE EQUIPMENT, OR STORE CONSTRUCTION MATERIALS IN ENVIRONMENTALLY SENSITIVE AREAS, WETLANDS, FLOODPLAINS, OR WATERWAYS.

ORDER OF SECTION 2 DETAIL SHEETS

GENERAL NOTES
PROJECT OVERVIEW
TYPICAL SECTIONS
CONSTRUCTION DETAILS
CURB RAMP DETAILS
EROSION CONTROL
PERMANENT SIGNING
LIGHTING PLAN
PAVEMENT MARKING
TRAFFIC CONTROL
DETOURS

CONTACTS

WISCONSIN DNR LIAISON

JAY SCHIEFELBEIN
2984 SHAWANO AVENUE
GREEN BAY, WI 54313
(920) 360-3784
jeremiah.schiefelbein@wisconsin.gov

WINNEBAGO COUNTY HIGHWAY COMMISSIONER

ROBERT DOEMEL, JR.
901 WEST COUNTY ROAD Y
OSHKOSH, WI 54901
(920) 232-1713
rdoemel@co.winnebago.wi.us

NE REGION SURVEY COORDINATOR

MICHAEL ANDRASCHKO, PLS
944 VANDERPERREN WAY
GREEN BAY, WI 54304
(920) 492-4166
michael.andraschko@dot.wi.gov

NE REGION DESIGN PROJECT MANAGER

WILLIAM BERTRAND, PE
944 VANDERPERREN WAY
GREEN BAY, WI 54304
(920) 360-3124
william.bertrand@dot.wi.gov

UTILITY CONTACTS

NOLAN TIEDT (PRIMARY CONTACT)
ALLIANT ENERGY - ELECTRICITY
883 W SCOTT STREET
FOND DU LAC, WI 54937
(920) 322-6624
NOLANTIEDT@ALLIANTENERGY.COM

NOLAN TIEDT (PRIMARY CONTACT)
ALLIANT ENERGY - GAS/PETROLEUM
883 W SCOTT STREET
FOND DU LAC, WI 54937
(920) 322-6624
NOLANTIEDT@ALLIANTENERGY.COM

CHARLES BARTELT (PRIMARY CONTACT)
AT&T WISCONSIN - COMMUNICATION LINE
70 E DIVISION ST
FOND DU LAC, WI 54935
(920) 410-5104
CB1461@ATT.COM

CHRIS DAILEY (PRIMARY CONTACT)
ATC MANAGEMENT, INC. - ELECTRICITY-TRANSMISSION
P.O. BOX 47
WAUKESHA, WI 53187
(262) 506-6884
CDAILEY@ATCLLC.COM

SAM MINGO (PRIMARY CONTACT)
CITY OF OMRO WATER AND SEWER UTILITY - SEWER
205 S WEBSTER AVE
OMRO, WI 54963
(920) 685-7020
SMINGO@OMRO-WI.COM

SAM MINGO (PRIMARY CONTACT)
CITY OF OMRO WATER AND SEWER UTILITY - WATER
205 S WEBSTER AVE
OMRO, WI 54963
(920) 685-7020
SMINGO@OMRO-WI.COM

DEREK SMET (PRIMARY CONTACT)
SPECTRUM - COMMUNICATION LINE
165 KNIGHTS WAY, STE 100
FOND DU LAC, WI 54935
(920) 204-1859
DEREK.SMET@CHARTER.COM

LINDA TREBIATOWSKI (PRIMARY CONTACT)
WISCONSIN PUBLIC SERVICE CORPORATION - ELECTRICITY
3300 N. MAIN STREET
OSHKOSH, WI 54901
(920) 660-3266
LINDA.TREBIATOWSKI@WISCONSINPUBLICSERVICE.COM

CHARLES CORNISH (PRIMARY CONTACT)
WISCONSIN PUBLIC SERVICE CORPORATION - GAS/PETROLEUM
3300 N MAIN STREET
OSHKOSH, WI 54901
(920) 236-5902
CHARLES.CORNISH@WISCONSINPUBLICSERVICE.COM

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 = 45.57 ACRES
TOTAL AREA EXPECTED TO BE DISTURBED BY CONSTRUCTION ACTIVITIES = 14.96 ACRES

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

2

2

N

BEGIN PROJECT 6180-30-71
STA 0+81.00
Y=481,253.835
X=737,951.560

END PROJECT 6180-30-72
STA 520+52.94
Y=478,838.250
X=768,939.744

ENVIRONMENTALLY SENSITIVE AREA

END PROJECT 6180-30-73
STA 612+87.34
Y=479,656.151
X=762,704.201

END PROJECT 6180-30-71
STA 317+59.12
Y=478,838.250
X=768,939.744

BEGIN PROJECT 6180-30-72
STA 504+56.21
Y=478,097.553
X=757,323.306

BEGIN PROJECT 6180-30-73
STA 600+03.23
Y=478,376.219
X=762,690.522

STH 21
STH 116
STH 21/W MAIN ST
STH 116/WAUKAU RD
FOX RIVER
SPRUCE ST
ADAMS AVE
JEFFERSON AVE
MADISON AVE
MONROE AVE
JACKSON AVE
VAN BUREN AVE
S WEBSTER AVE
HARRISON AVE
INDUSTRIAL DR
ALDER AVE
GOLDENROD DR
SCOTT STREET RD
SPRING BROOK
RIVERMOOR RD
REIGHMOOR RD
CTH FF
POTRATZ HILL RD
MARQUART LN
SAND PIT RD
WESTBREEZE DR
LEONARD POINT RD
OMRO RD

50 100 150 200 250 300 500 510 520 600 610

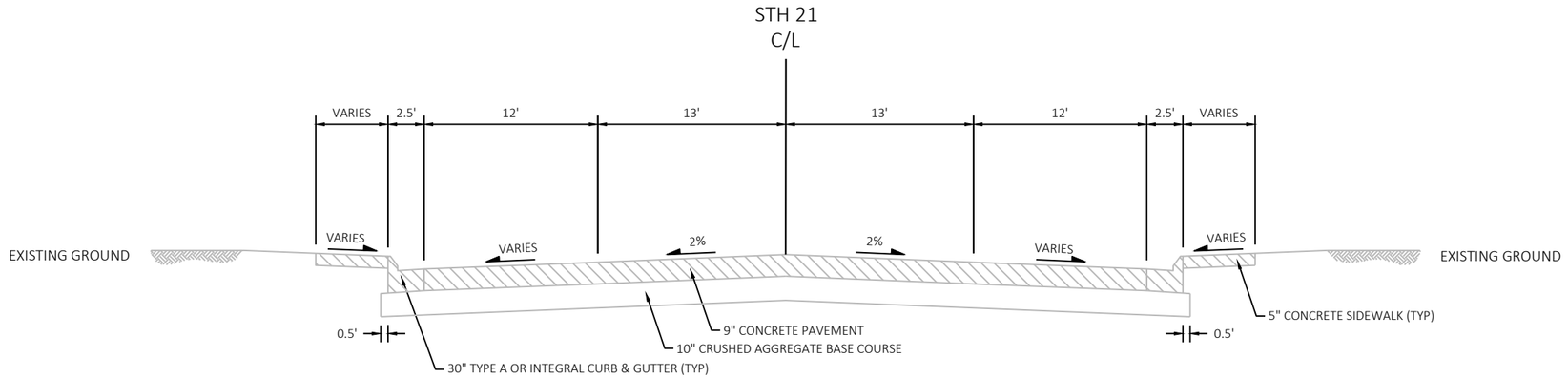
PROJECT NO: 6180-30-71/72/73	HWY: STH 21	COUNTY: WINNEBAGO	PROJECT OVERVIEW	SHEET 3	E

FILE NAME : N:\PDS\C3D\61803000\SHEETSPLAN\020201-PO.DWG
LAYOUT NAME - 020201-po

PLOT DATE : 7/15/2025 10:58 AM PLOT BY : BALDERAS-RUEDEN, ANN PLOT NAME : PLOT SCALE : 1 IN:2500 FT

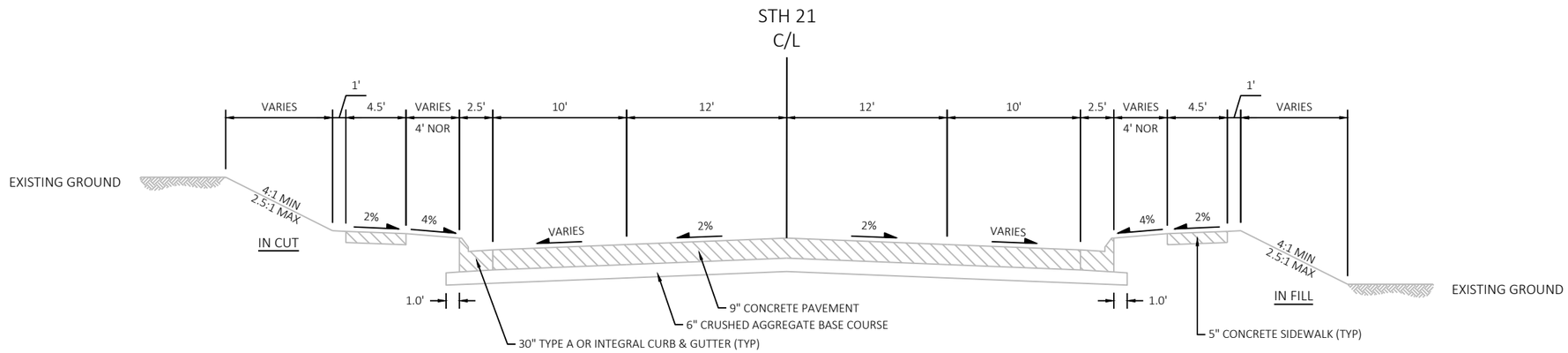
WISDOT/CADDS SHEET 42

2



EXISTING TYPICAL SECTION STH 21

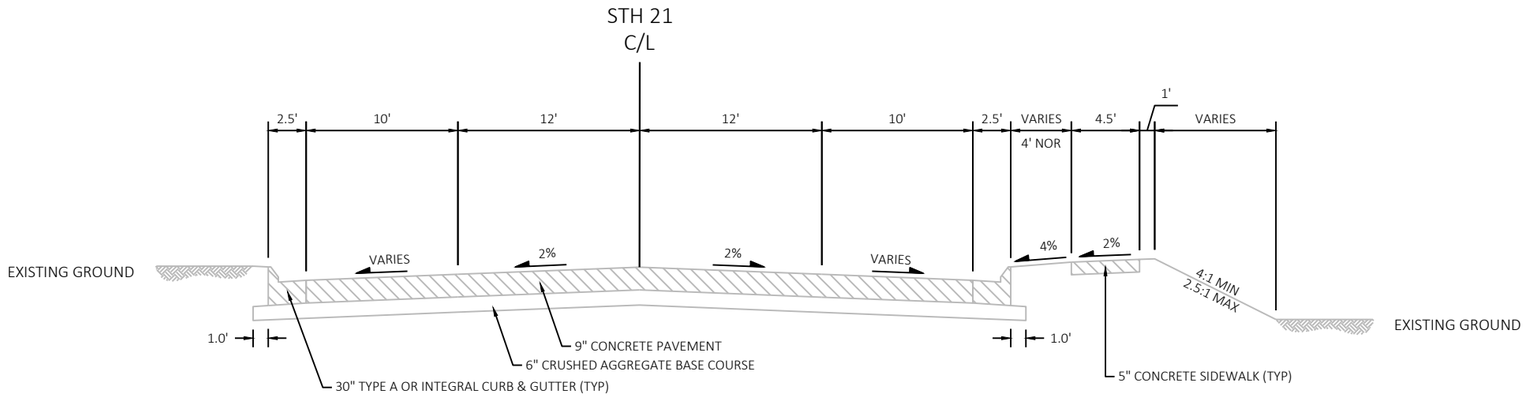
STA 0+81 TO STA 13+55



EXISTING TYPICAL SECTION STH 21

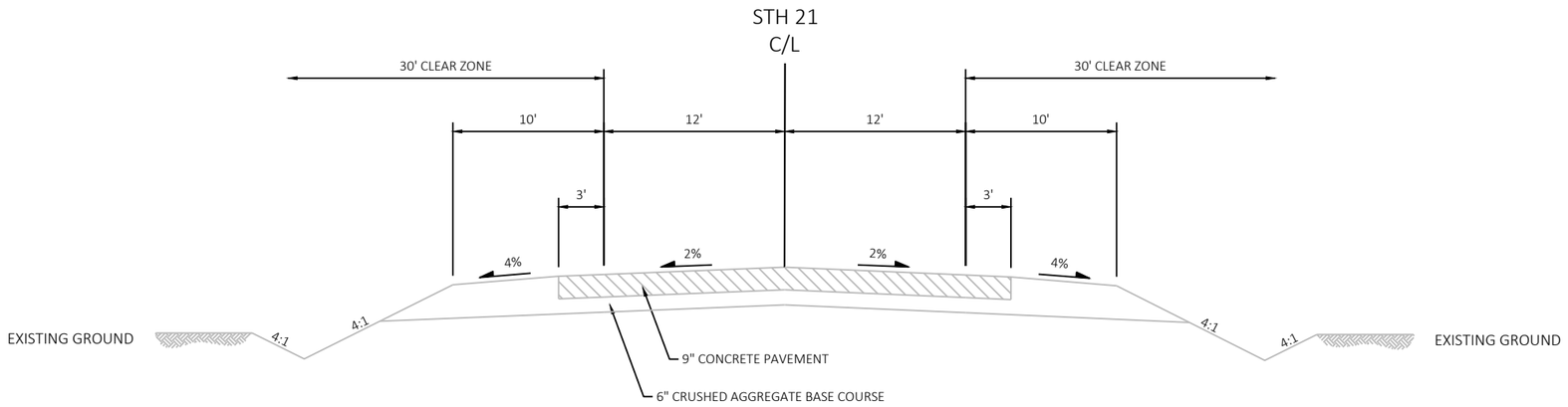
STA 13+55 TO STA 60+50

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	TYPICAL SECTIONS	SHEET 4	E



EXISTING TYPICAL SECTION STH 21

STA 60+50 TO STA 74+50

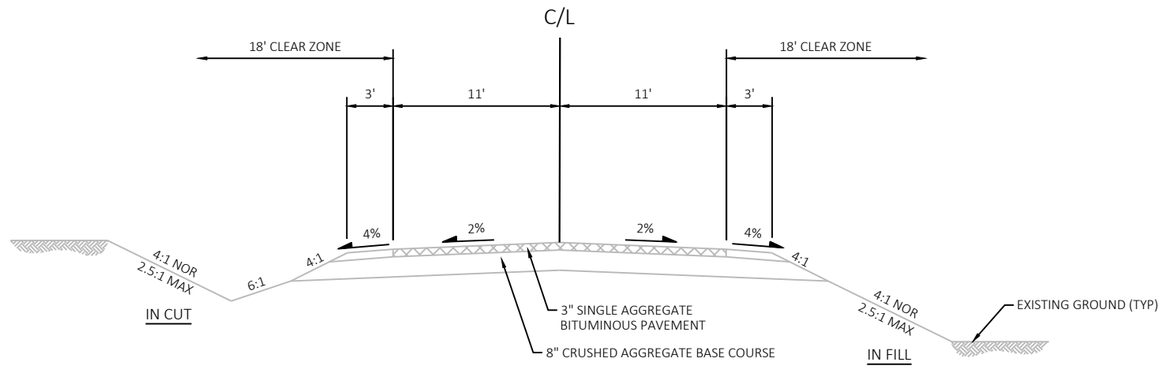


EXISTING TYPICAL SECTION STH 21

STA 74+50 TO STA 317+59.12

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	TYPICAL SECTIONS	SHEET 5	E

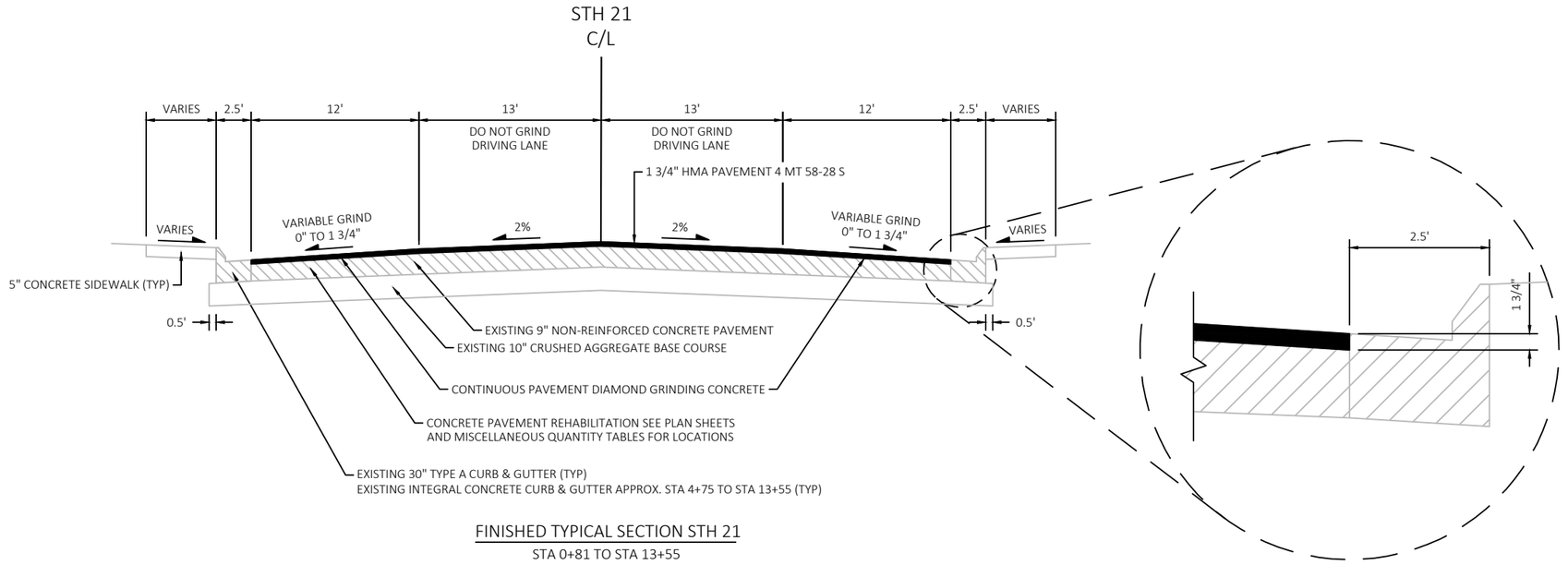
2



EXISTING TYPICAL SECTION SIDEROAD

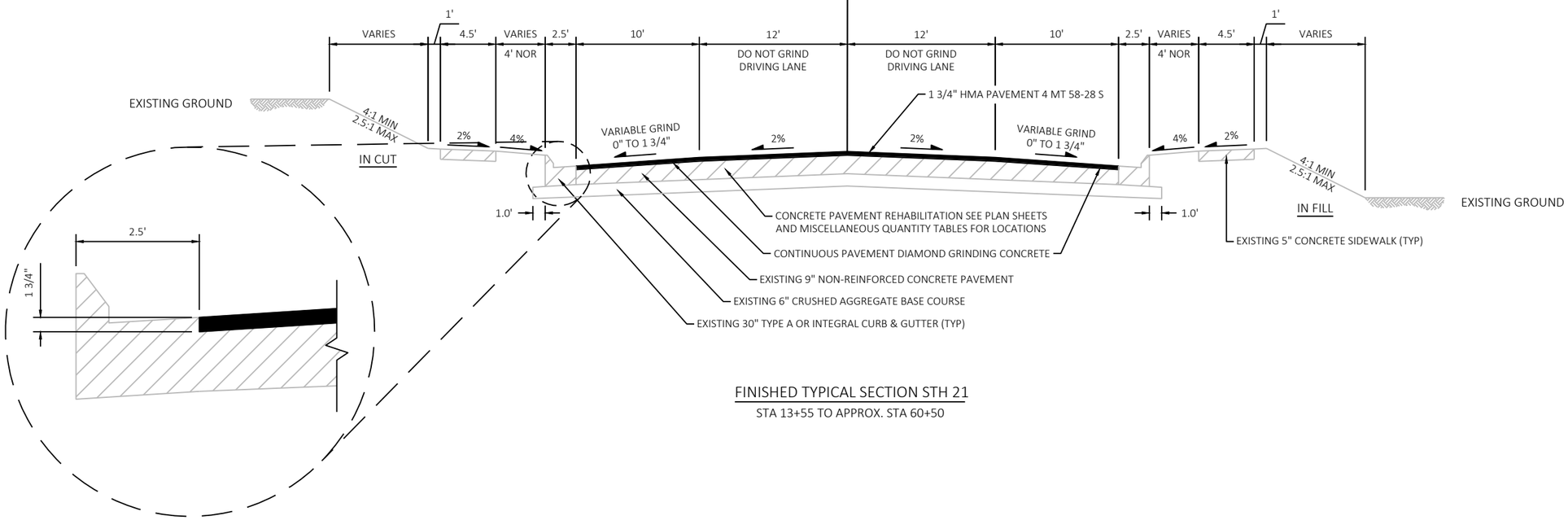
CTH FF
REIGHMOOR RD
SAND PIT RD

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	TYPICAL SECTIONS	SHEET 6	E



FINISHED TYPICAL SECTION STH 21

STA 0+81 TO STA 13+55



FINISHED TYPICAL SECTION STH 21

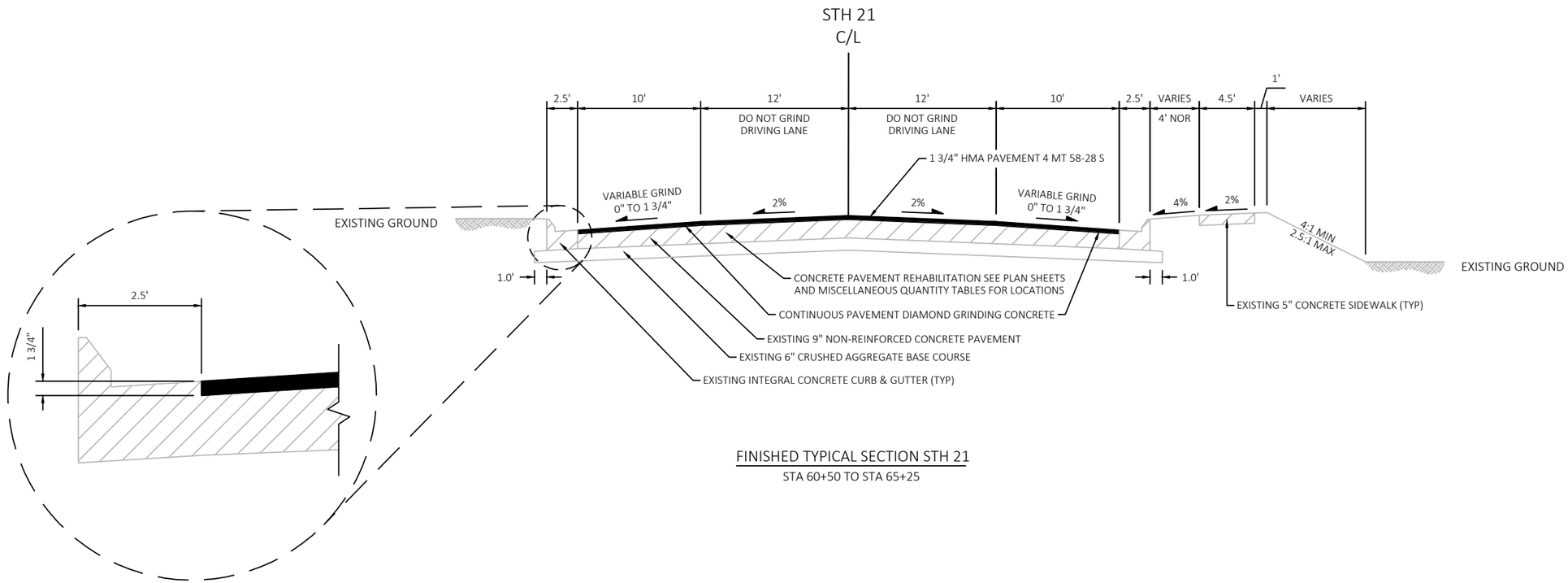
STA 13+55 TO APPROX. STA 60+50

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	TYPICAL SECTIONS	SHEET 7	E

FILE NAME : N:\PDS\C3D\61803000\SHEETSPLAN\020301-TS.DWG
LAYOUT NAME - 020304-ts

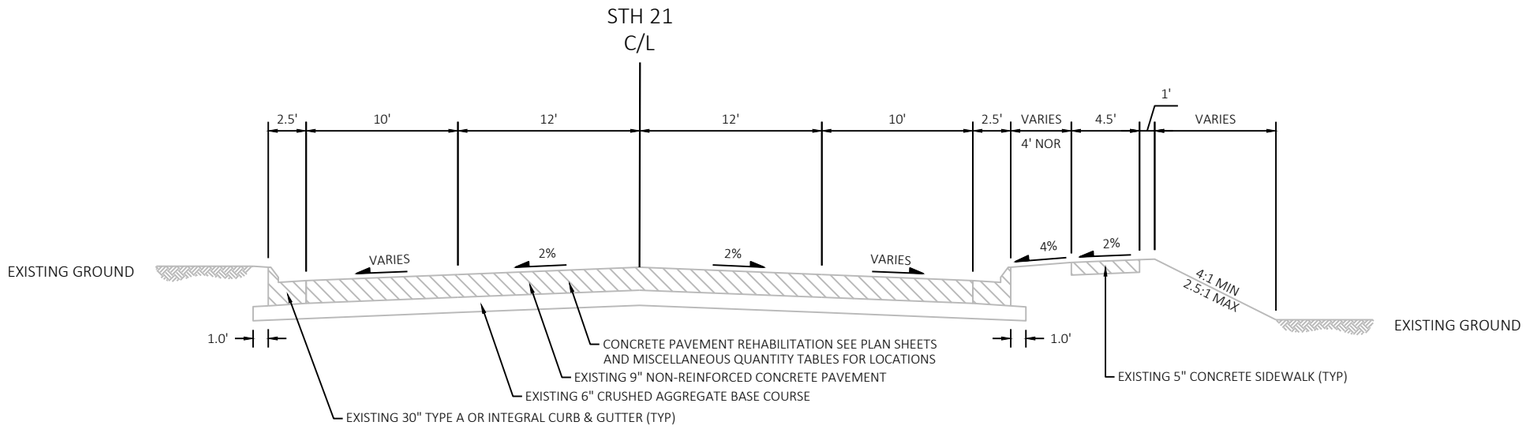
PLOT DATE : 7/25/2025 6:09 AM PLOT BY : BALDERAS-RUEDEN, ANN PLOT NAME : PLOT SCALE : 1IN:10 FT

2



FINISHED TYPICAL SECTION STH 21

STA 60+50 TO STA 65+25



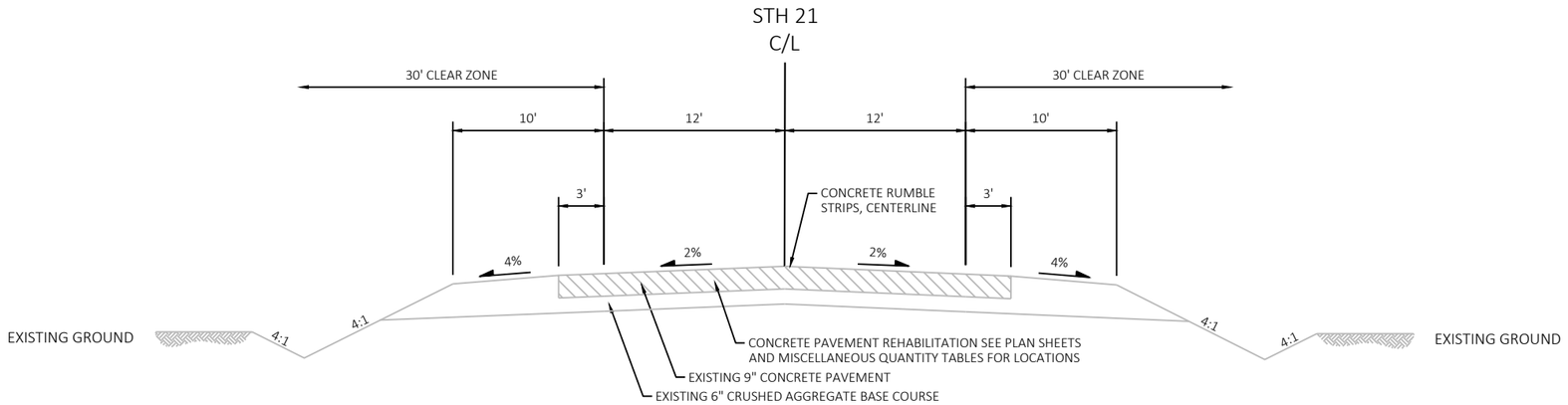
FINISHED TYPICAL SECTION STH 21

STA 65+25 TO STA 74+50

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	TYPICAL SECTIONS	SHEET 8	E

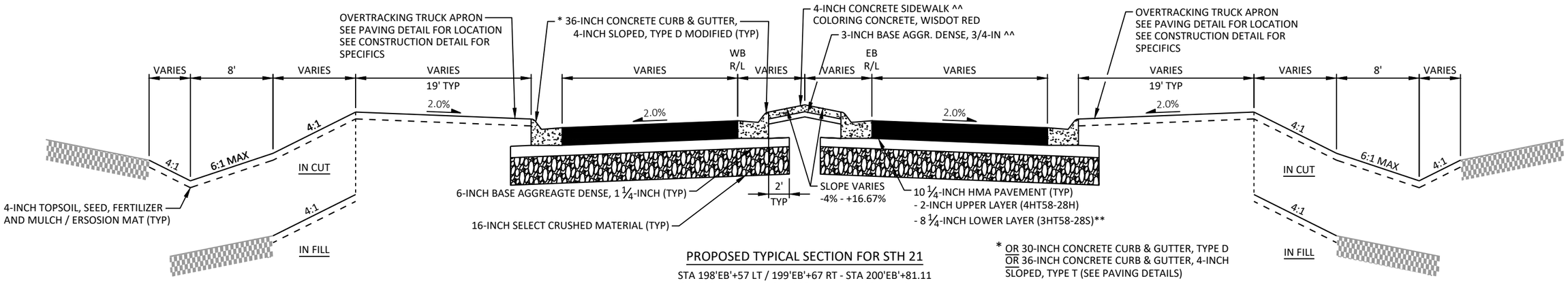
FILE NAME : N:\PDS\C3D\61803000\SHEETSPLAN\020301-TS.DWG
LAYOUT NAME - 020305-ts
PLOT DATE : 7/25/2025 6:09 AM
PLOT BY : BALDERAS-RUEDEN, ANN
PLOT NAME :
PLOT SCALE : 1IN:10 FT
WISDOT/CADDS SHEET 42

2



FINISHED TYPICAL SECTION STH 21

STA 74+50 TO STA 192+74.40
STA 210+24.26 TO STA 254+59.17
STA 263+41.14 TO 317+59.12



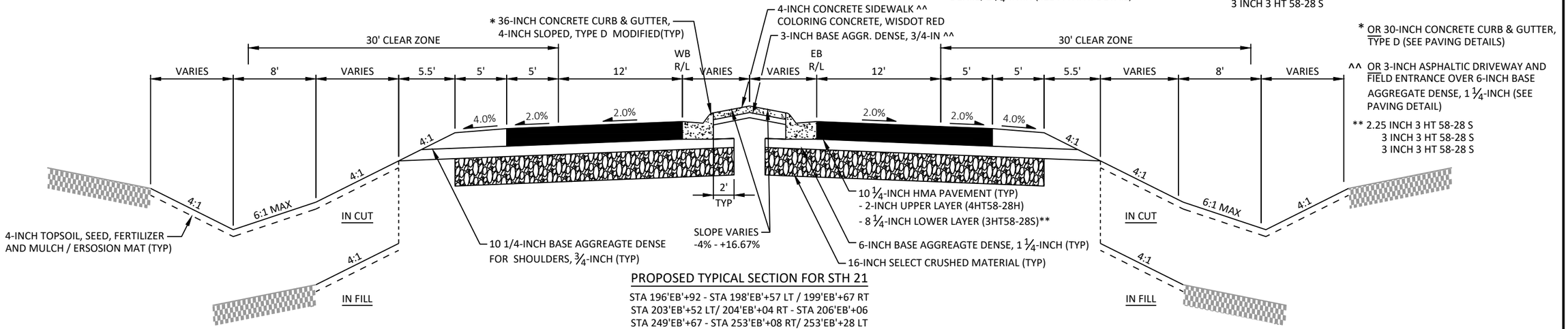
PROPOSED TYPICAL SECTION FOR STH 21

STA 198'EB'+57 LT / 199'EB'+67 RT - STA 200'EB'+81.11
STA202'EB'+34.47 - STA 203'EB'+52 LT/ 204'EB'+04 RT
STA 253'EB'+08 RT/ 253'EB'+28 LT - STA 254'EB'+28.48
STA 255'EB'+77.65 - STA 256'EB'+88 LT / 257'EB'+08 RT

* OR 30-INCH CONCRETE CURB & GUTTER, TYPE D
OR 36-INCH CONCRETE CURB & GUTTER, 4-INCH SLOPED, TYPE T (SEE PAVING DETAILS)

^^ OR 3-INCH ASPHALTIC DRIVEWAY AND FIELD ENTRANCE OVER 6-INCH BASE AGGREGATE DENSE, 1 1/4-INCH (SEE PAVING DETAIL)

** 2.25 INCH 3 HT 58-28 S
3 INCH 3 HT 58-28 S
3 INCH 3 HT 58-28 S



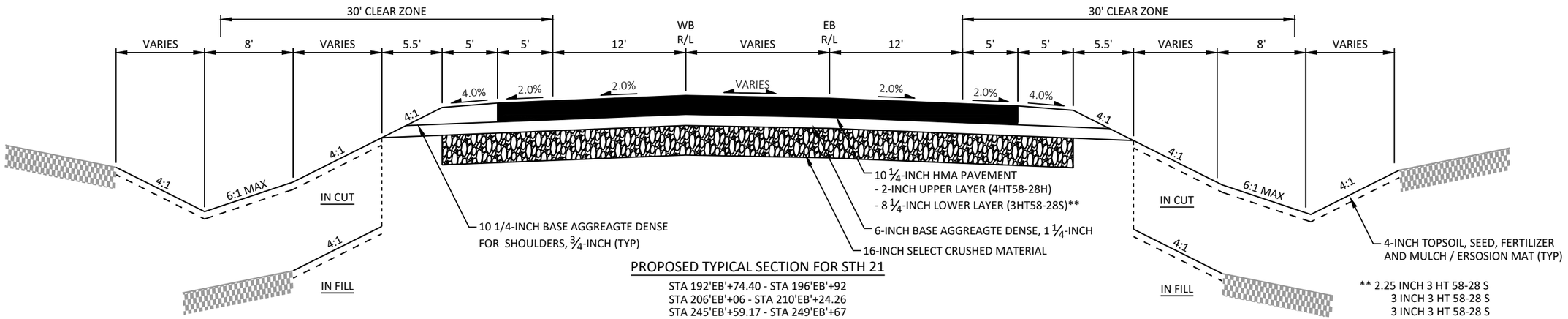
PROPOSED TYPICAL SECTION FOR STH 21

STA 196'EB'+92 - STA 198'EB'+57 LT / 199'EB'+67 RT
STA 203'EB'+52 LT/ 204'EB'+04 RT - STA 206'EB'+06
STA 249'EB'+67 - STA 253'EB'+08 RT/ 253'EB'+28 LT
STA 256'EB'+88 LT / 257'EB'+08 RT - STA 259'EB'+83

* OR 30-INCH CONCRETE CURB & GUTTER, TYPE D (SEE PAVING DETAILS)

^^ OR 3-INCH ASPHALTIC DRIVEWAY AND FIELD ENTRANCE OVER 6-INCH BASE AGGREGATE DENSE, 1 1/4-INCH (SEE PAVING DETAIL)

** 2.25 INCH 3 HT 58-28 S
3 INCH 3 HT 58-28 S
3 INCH 3 HT 58-28 S



PROPOSED TYPICAL SECTION FOR STH 21

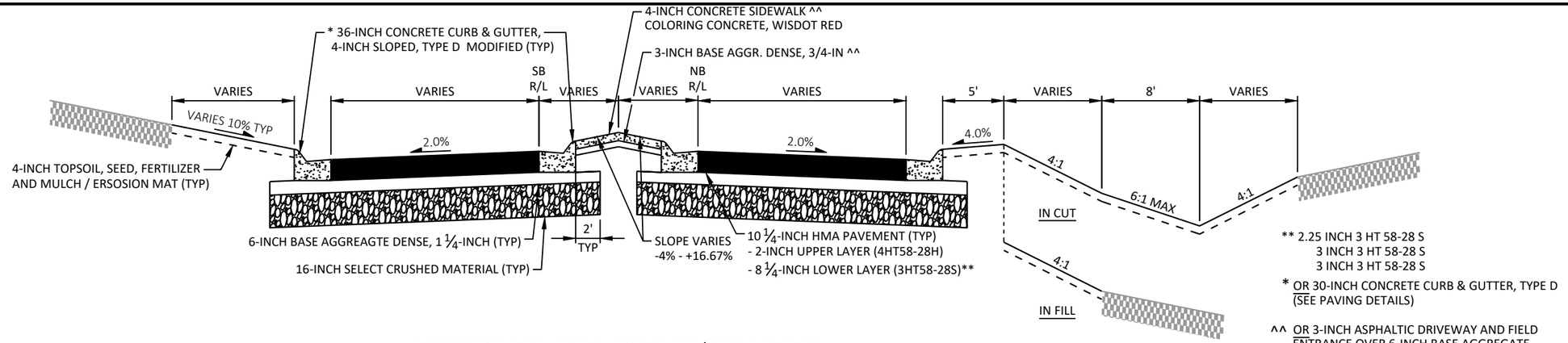
STA 192'EB'+74.40 - STA 196'EB'+92
STA 206'EB'+06 - STA 210'EB'+24.26
STA 245'EB'+59.17 - STA 249'EB'+67
STA 259'EB'+83 - STA 263'EB'+41.14

** 2.25 INCH 3 HT 58-28 S
3 INCH 3 HT 58-28 S
3 INCH 3 HT 58-28 S

PROJECT NO: 6180-30-72/73	HWY: STH 21	COUNTY: WINNEBAGO	TYPICAL SECTIONS - PROPOSED STH 21	SHEET 10	E

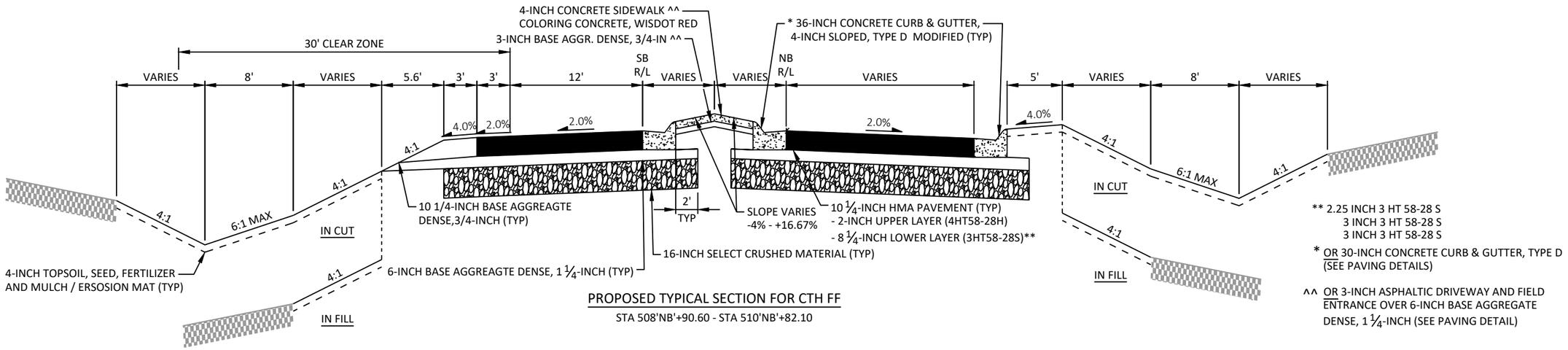
FILE NAME : N:\3001091.00\CIVIL 3D\SHEETSPLAN\61803071-020300-TS.DWG
LAYOUT NAME - 61803071-020305-ts
PLOT DATE : 5/19/2025 1:04 PM
PLOT BY : MATT TOMSOVIC
PLOT NAME :
PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42

2



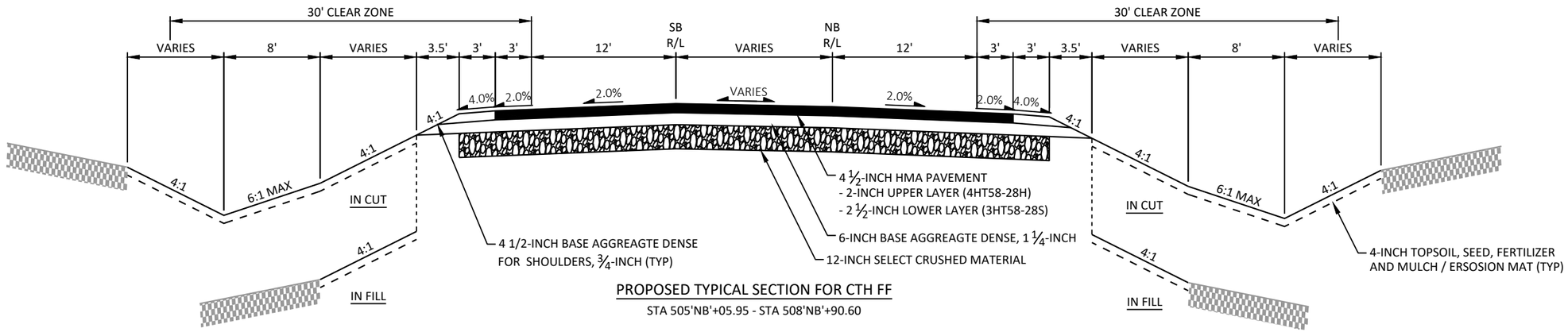
PROPOSED TYPICAL SECTION FOR CTH FF / REIGHMOOR RD

STA 510'NB'+82.10 - STA 512'NB'+15.40
STA 513'NB'65.08 - STA 514'NB'+95.20



PROPOSED TYPICAL SECTION FOR CTH FF

STA 508'NB'+90.60 - STA 510'NB'+82.10

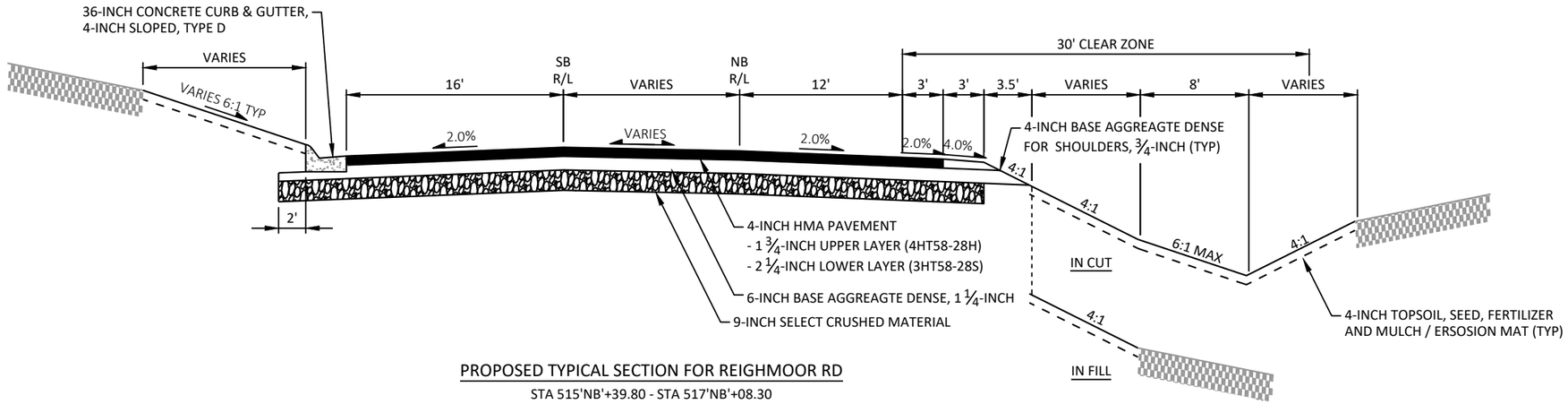


PROPOSED TYPICAL SECTION FOR CTH FF

STA 505'NB'+05.95 - STA 508'NB'+90.60

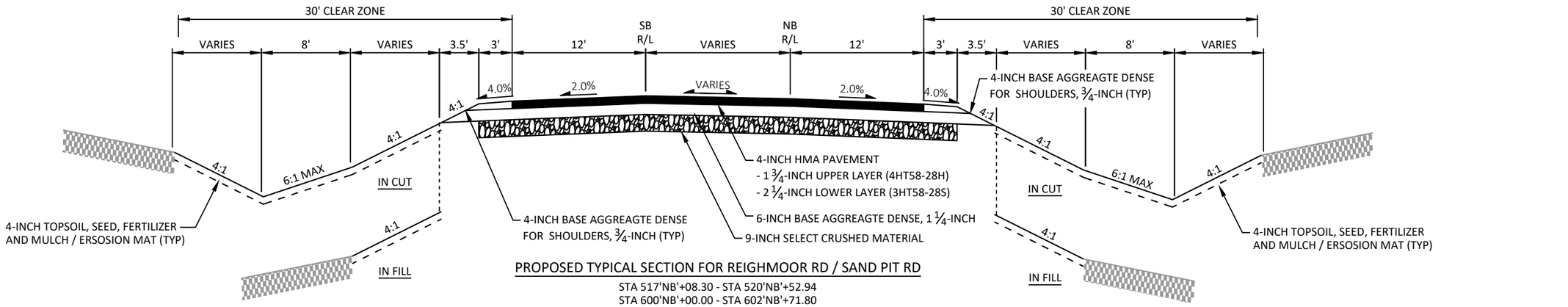
PROJECT NO: 6180-30-72	HWY: STH 21	COUNTY: WINNEBAGO	TYPICAL SECTIONS - PROPOSED CTH FF - REIGHMOOR RD	SHEET 11	E

FILE NAME : N:\3001091.00\CIVIL 3D\SHEETSPLAN\61803071-020300-TS.DWG
LAYOUT NAME - 61803071-020306-ts
PLOT DATE : 9/24/2025 1:00 PM
PLOT BY : MATT TOMSOVIC
PLOT NAME :
PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42



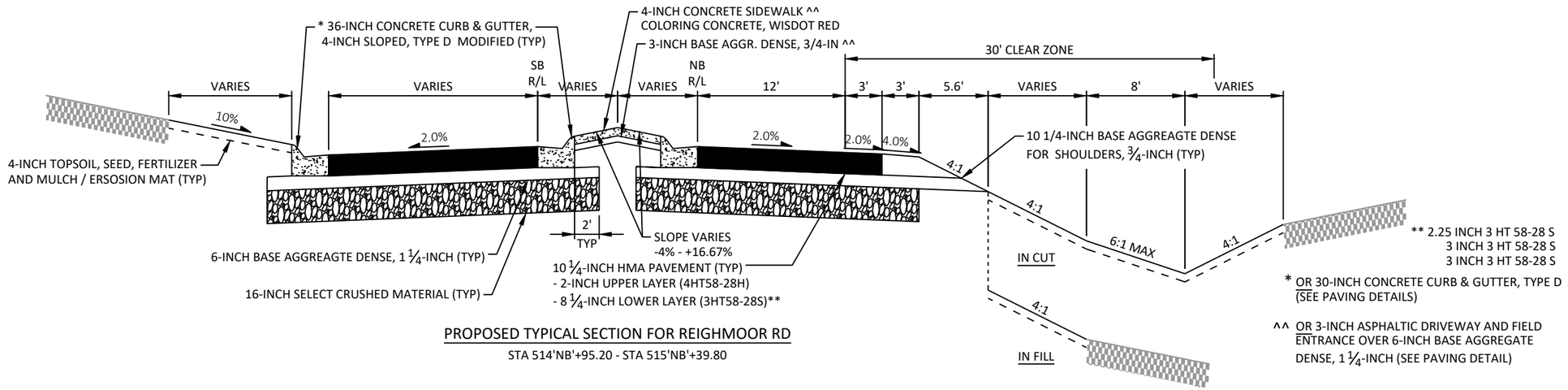
PROPOSED TYPICAL SECTION FOR REIGHMOOR RD

STA 515'NB'+39.80 - STA 517'NB'+08.30



PROPOSED TYPICAL SECTION FOR REIGHMOOR RD / SAND PIT RD

STA 517'NB'+08.30 - STA 520'NB'+52.94
STA 600'NB'+00.00 - STA 602'NB'+71.80
STA 609'NB'+68.30 - STA 612'NB'+84.10

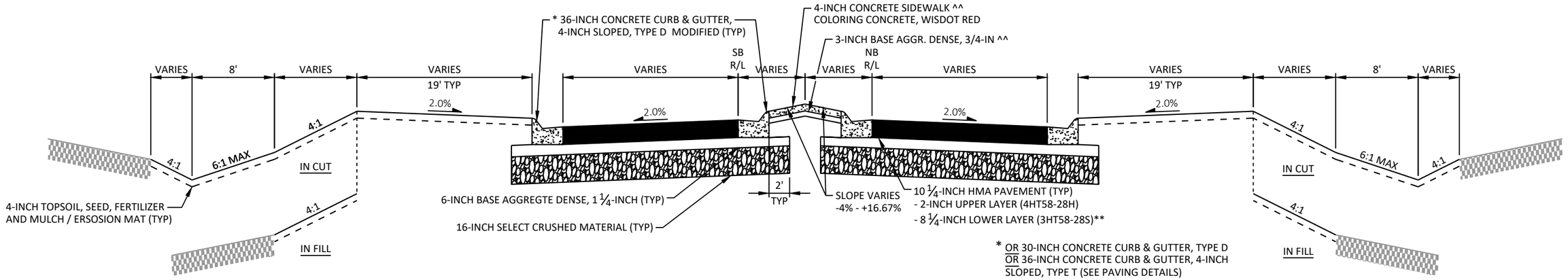


PROPOSED TYPICAL SECTION FOR REIGHMOOR RD

STA 514'NB'+95.20 - STA 515'NB'+39.80

PROJECT NO: 6180-30-72/73	HWY: STH 21	COUNTY: WINNEBAGO	TYPICAL SECTIONS - PROPOSED CTH FF - REIGHMOOR RD - SAND PIT RD	SHEET 12	E

FILE NAME : N:\3001091.00\CIVIL 3D\SHEETSPLAN\61803071-020300-TS.DWG
LAYOUT NAME - 61803071-020307-ts
PLOT DATE : 9/18/2025 11:28 AM
PLOT BY : MATT TOMSOVIC
PLOT NAME :
PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42



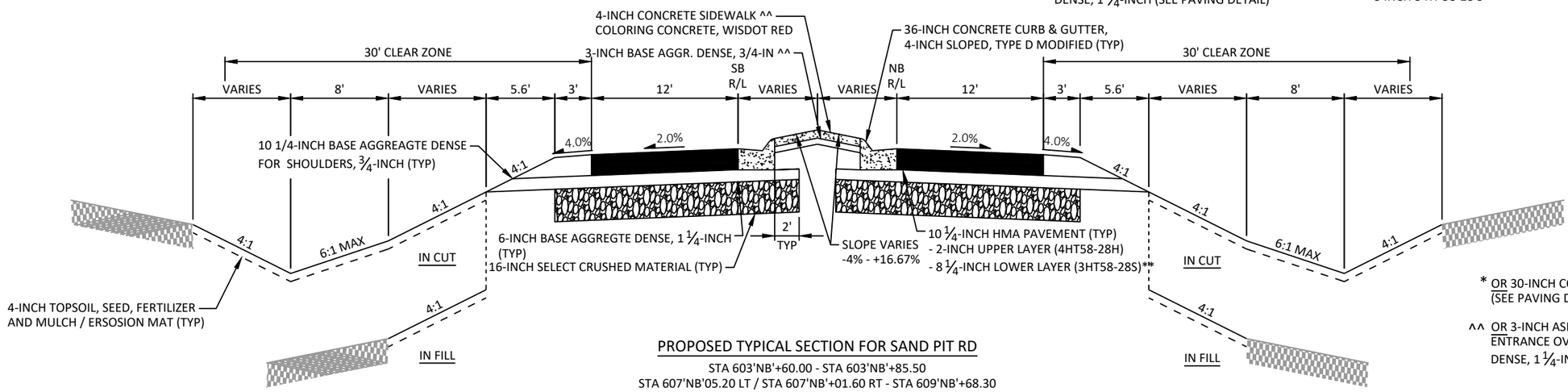
PROPOSED TYPICAL SECTION FOR SAND PIT RD

STA 603'NB'+85.50 LT / 603'NB'+60.00 RT - STA 604'NB'+67.24
STA 606'NB'+15.70 - STA 607'NB'+05.20 LT / STA 607'NB'+01.60

* OR 30-INCH CONCRETE CURB & GUTTER, TYPE D
OR 36-INCH CONCRETE CURB & GUTTER, 4-INCH SLOPED, TYPE T (SEE PAVING DETAILS)

^^ OR 3-INCH ASPHALTIC DRIVEWAY AND FIELD ENTRANCE OVER 6-INCH BASE AGGREGATE DENSE, 1 1/4-INCH (SEE PAVING DETAIL)

** 2.25 INCH 3 HT 58-28 S
3 INCH 3 HT 58-28 S
3 INCH 3 HT 58-28 S



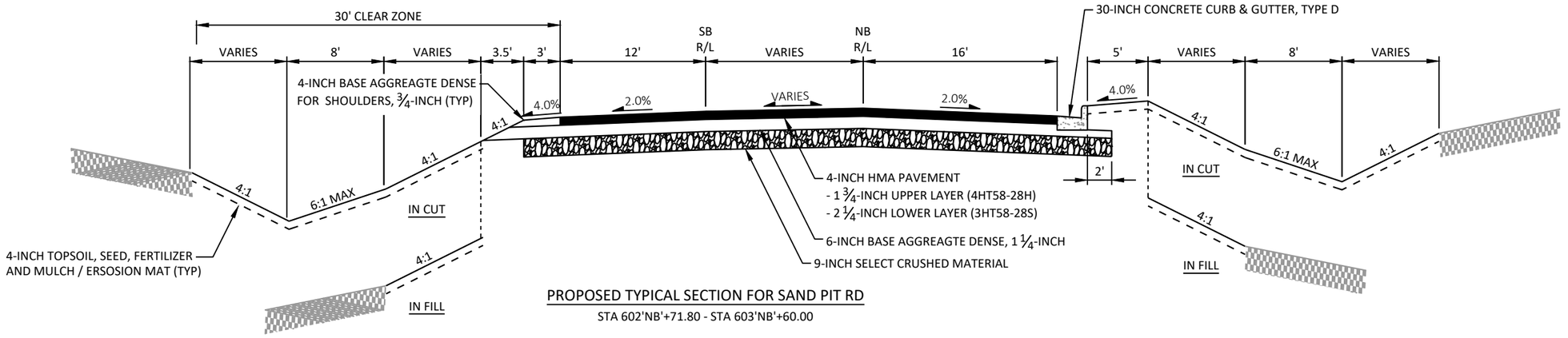
PROPOSED TYPICAL SECTION FOR SAND PIT RD

STA 603'NB'+60.00 - STA 603'NB'+85.50
STA 607'NB'05.20 LT / STA 607'NB'+01.60 RT - STA 609'NB'+68.30

** 2.25 INCH 3 HT 58-28 S
3 INCH 3 HT 58-28 S
3 INCH 3 HT 58-28 S

* OR 30-INCH CONCRETE CURB & GUTTER, TYPE D (SEE PAVING DETAILS)

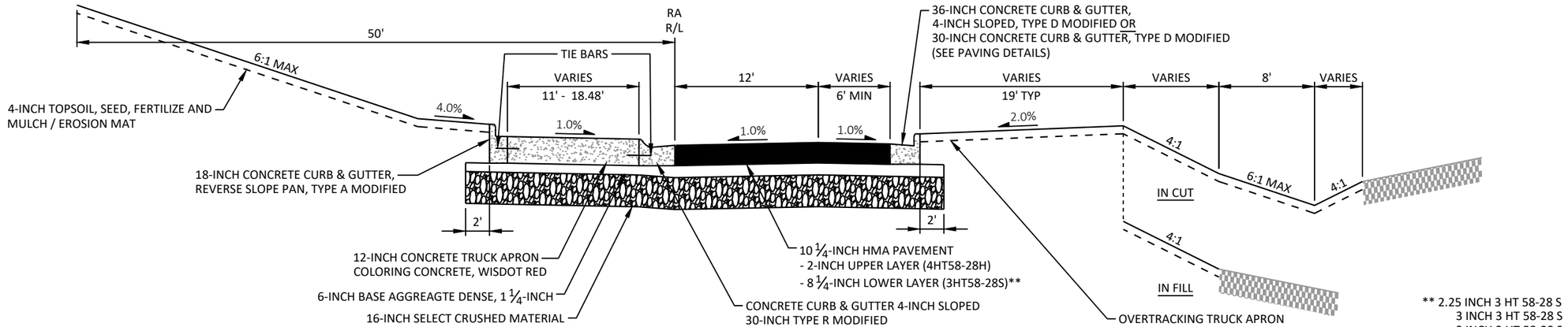
^^ OR 3-INCH ASPHALTIC DRIVEWAY AND FIELD ENTRANCE OVER 6-INCH BASE AGGREGATE DENSE, 1 1/4-INCH (SEE PAVING DETAIL)



PROPOSED TYPICAL SECTION FOR SAND PIT RD

STA 602'NB'+71.80 - STA 603'NB'+60.00

PROJECT NO: 6180-30-73	HWY: STH 21	COUNTY: WINNEBAGO	TYPICAL SECTIONS - PROPOSED REIGHMOOR RD - SAND PIT RD	SHEET 13	E



PROPOSED TYPICAL SECTION FOR CTH FF & SAND PIT RD ROUNDABOUTS

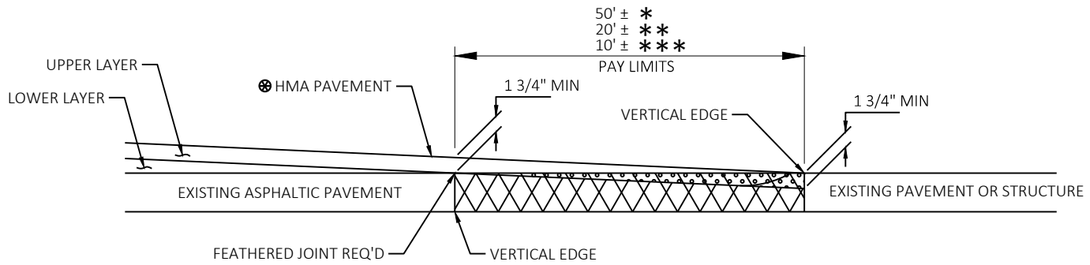
STA 20'RA1'+00.00 - STA 23'RA1'+24.16
STA 10'RA2'+00.00 - STA 13'RA2'+14.16

** 2.25 INCH 3 HT 58-28 S
3 INCH 3 HT 58-28 S
3 INCH 3 HT 58-28 S

2

PROJECT NO: 6180-30-72/73	HWY: STH 21	COUNTY: WINNEBAGO	TYPICAL SECTIONS - PROPOSED ROUNDABOUT	SHEET 14	E

FILE NAME : N:\3001091.00\CIVIL 3D\SHEETSPLAN\61803071-020300-TS.DWG
LAYOUT NAME - 61803071-020310-ts
PLOT DATE : 7/16/2025 6:45 AM PLOT BY : MATT TOMSOVIC PLOT NAME : PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42



SEE TYPICAL CROSS SECTION FOR PAVEMENT TYPE AND THICKNESS OF INDIVIDUAL LAYERS

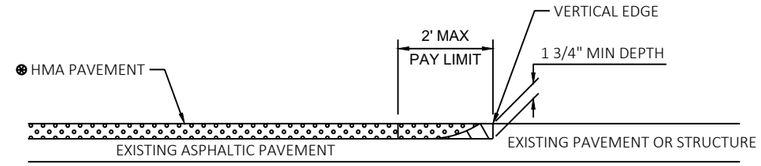
REMOVING ASPHALTIC SURFACE, BUTT JOINTS (FULL DEPTH REMOVAL OPTIONAL)

ASPHALTIC WEDGING (FULL DEPTH REMOVAL OPTION)

REMOVING ASPHALTIC SURFACE, BUTT JOINTS (MILLING OPTION)

BUTT JOINT DETAIL FOR NON MILLED ASPHALTIC PAVEMENTS (PROFILE CHANGE)

* MAINLINE
** SIDEROADS
*** PRIVATE ENTRANCES

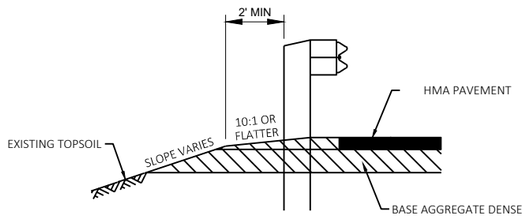


SEE TYPICAL CROSS SECTION FOR PAVEMENT TYPE AND THICKNESS OF INDIVIDUAL LAYERS

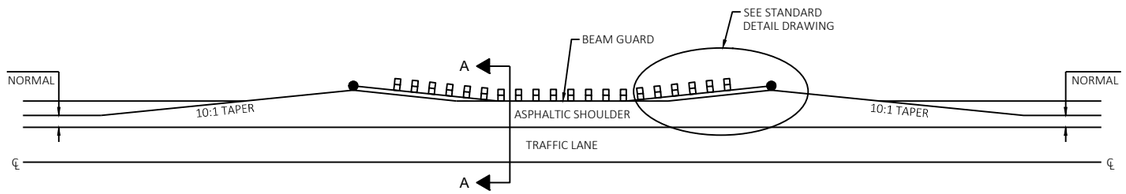
REMOVING ASPHALTIC SURFACE, MILLING

REMOVE ASPHALTIC SURFACE WEDGE AT BUTT JOINT TO CREATE VERTICAL EDGE

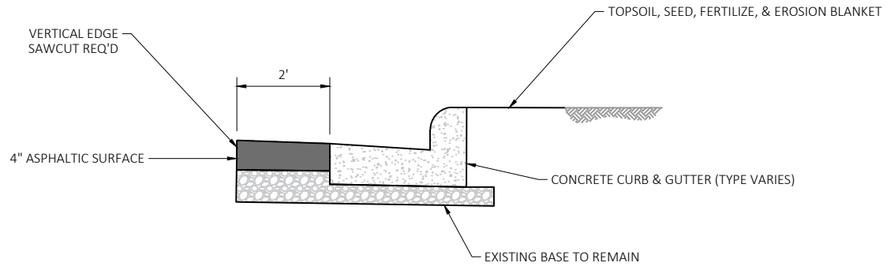
BUTT JOINT DETAIL FOR ASPHALTIC PAVEMENTS (NO PROFILE CHANGE)



SECTION A-A



DETAIL FOR ASPHALTIC SHOULDER AT BEAM GUARD

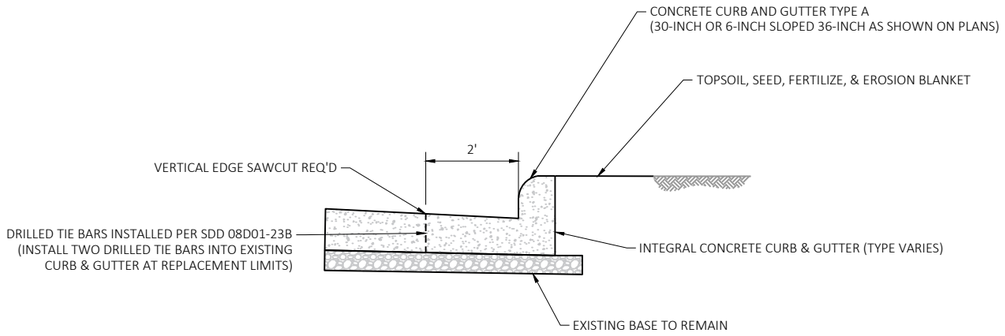


NOTES:

1. SAWCUT LIMITS ALONG WIDTH OF CURB & GUTTER AT REMOVE/REPLACE LIMITS.
2. ASPHALT REMOVAL IN FRONT OF CURB & GUTTER PAID AS REMOVING ASPHALTIC SURFACE.
3. SEE PLAN SHEETS AND MISCELLANEOUS QUANTITIES FOR APPROXIMATE LOCATIONS AND CURB TYPES

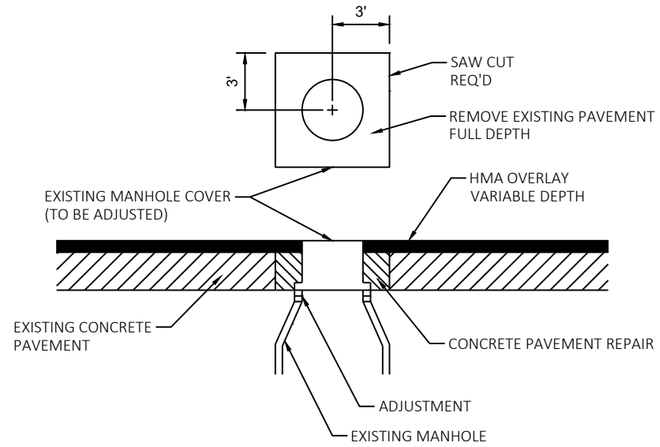
DETAIL FOR CURB & GUTTER REMOVAL/REPLACEMENT

WITHIN CITY OF OMRO

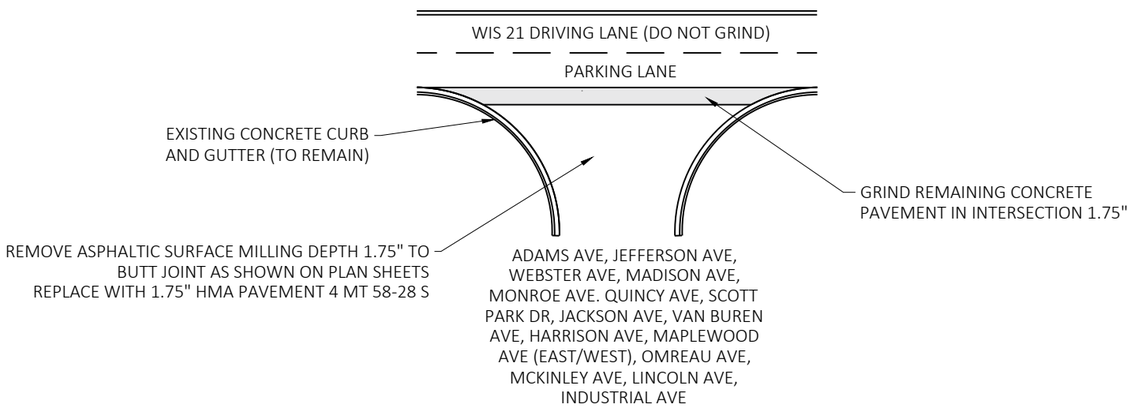


NOTES:
1. SAWCUT LIMITS ALONG WIDTH OF CURB & GUTTER AT REMOVE/REPLACE LIMITS.
2. SEE PLAN SHEETS AND MISCELLANEOUS QUANTITIES FOR APPROXIMATE LOCATIONS AND CURB TYPES

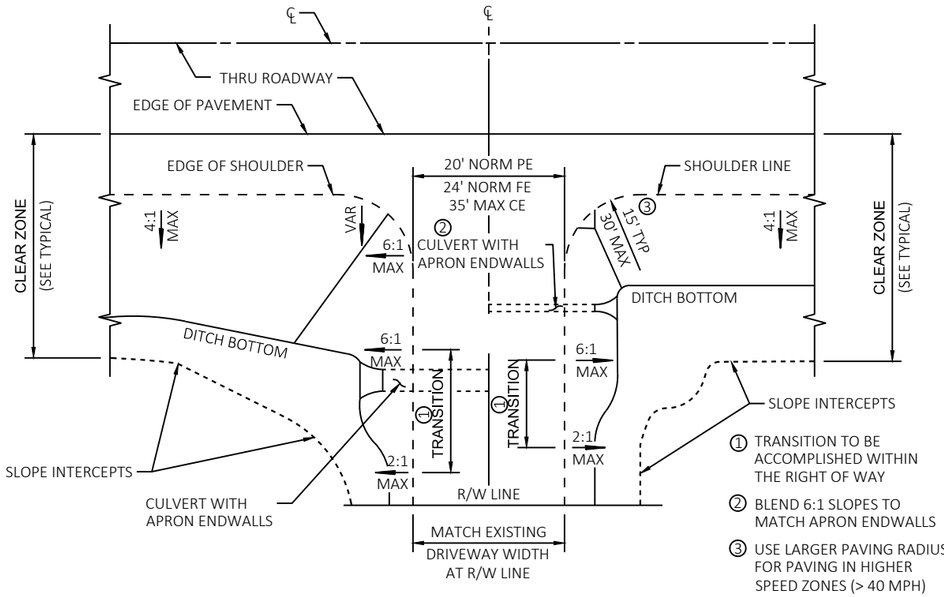
DETAIL FOR INTEGRAL CURB & GUTTER REMOVAL/REPLACEMENT



ADJUSTING MANHOLE COVERS



GRINDING AT SIDE ROADS

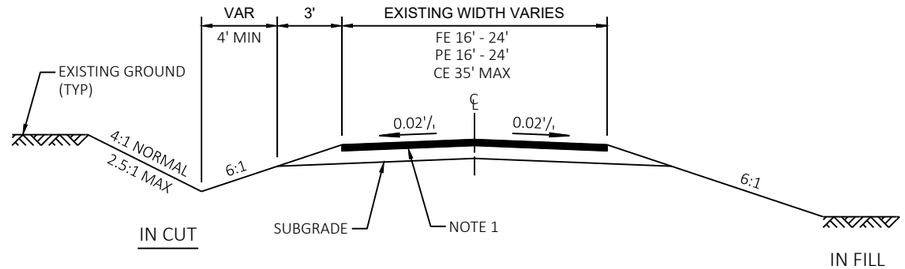


FOR CULVERTS OVER 24" DIAMETER

FOR CULVERTS 24" DIAMETER & LESS

PLAN VIEW

RURAL DRIVEWAY GRADING AND/OR PAVING DETAIL



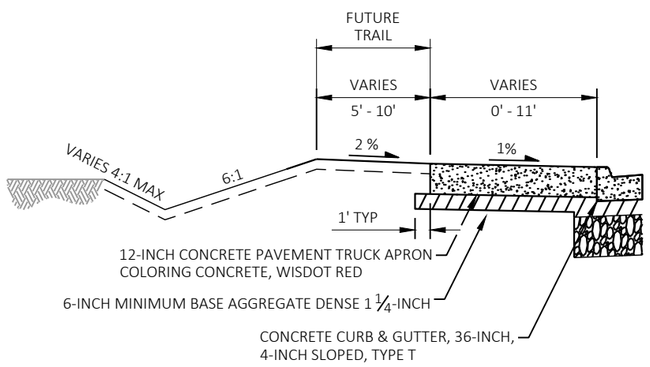
TYPICAL CROSS SECTION FOR DRIVEWAYS

NOTE 1
NON-PAVED DRIVEWAYS SHALL CONSIST OF 6" OF BASE AGGREGATE DENSE.

RESIDENTIAL ENTRANCE ASPHALTIC DRIVEWAYS SHALL CONSIST OF 6" BASE AGGREGATE DENSE AND 3" OF ASPHALTIC PAVEMENT.

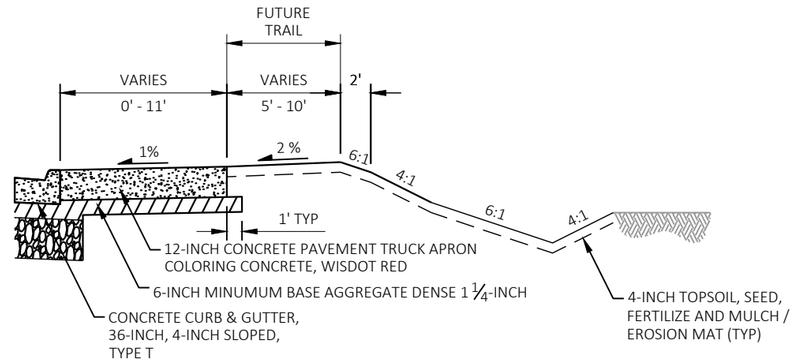
COMMERCIAL ENTRANCE ASPHALTIC DRIVEWAYS SHALL CONSIST OF 12" BASE AGGREGATE DENSE AND 4" OF ASPHALTIC PAVEMENT

6" CONCRETE DRIVEWAY FOR RESIDENTIAL ENTRANCES.

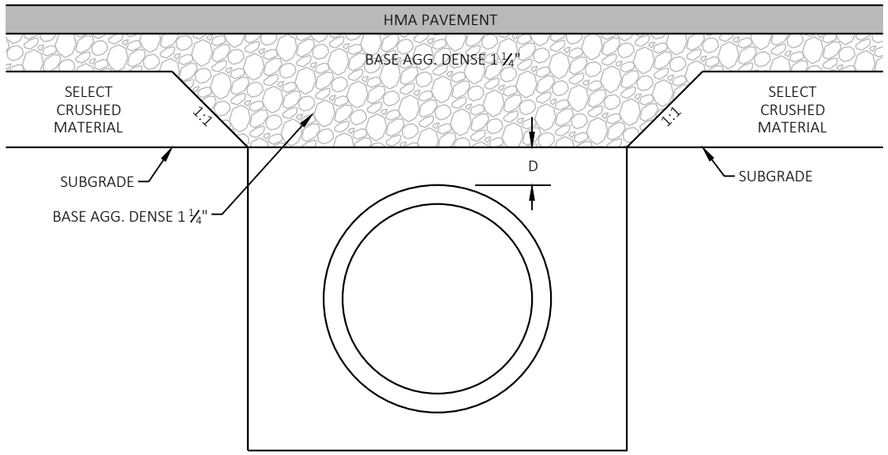


DETAIL FOR OUTSIDE OVERTACKING TRUCK APRON

STA 2+27 SW1 - STA 3+35 SW1
STA 4+27 NE1 - STA 5+45 NE1
STA 20+27 SW2 - STA 21+36 SW2
STA 40+27 NE2 - STA 41+27 NE2

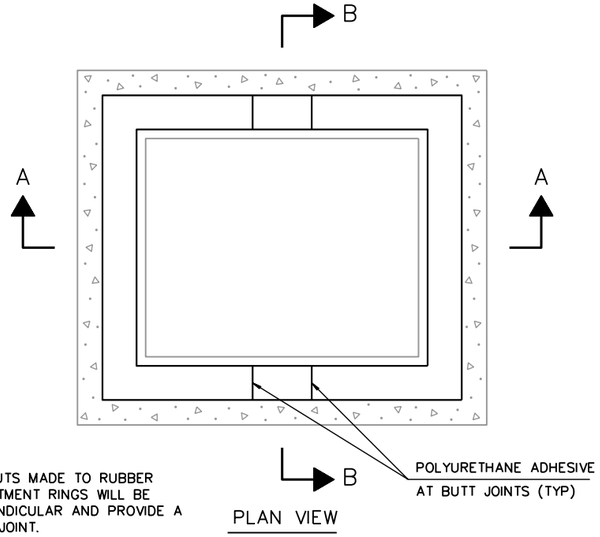


2



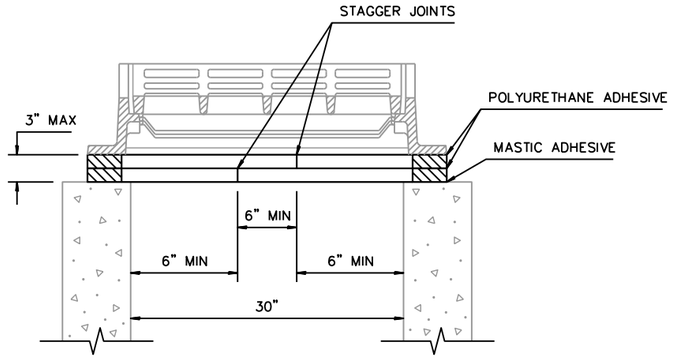
SUBGRADE IMPROVEMENT GRADING AT STORM SEWER WHEN D<6"

PROJECT NO: 6180-30-72/73	HWY: STH 21	COUNTY: WINNEBAGO	CONSTRUCTION DETAILS	SHEET 18	E

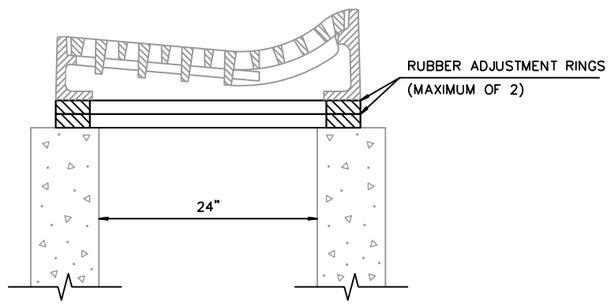


NOTE: ALL CUTS MADE TO RUBBER ADJUSTMENT RINGS WILL BE PERPENDICULAR AND PROVIDE A TIGHT JOINT.

PLAN VIEW

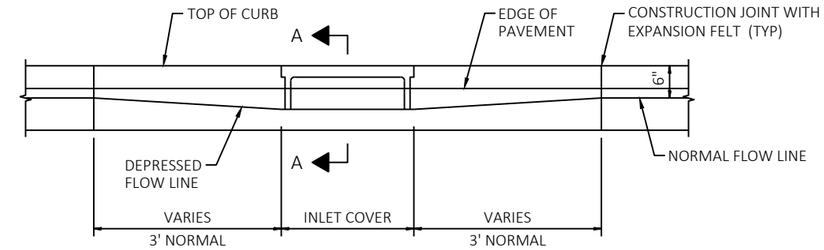


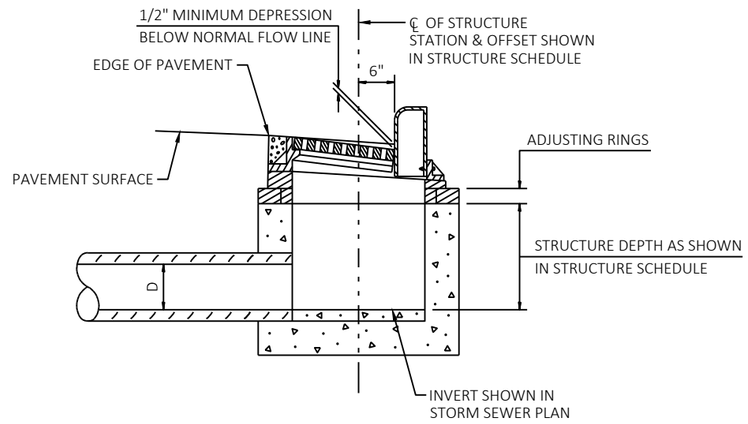
SECTION A–A



SECTION B–B

RUBBER RING CUTTING DETAIL FOR INLET 2 X 2.5–FT SPECIAL

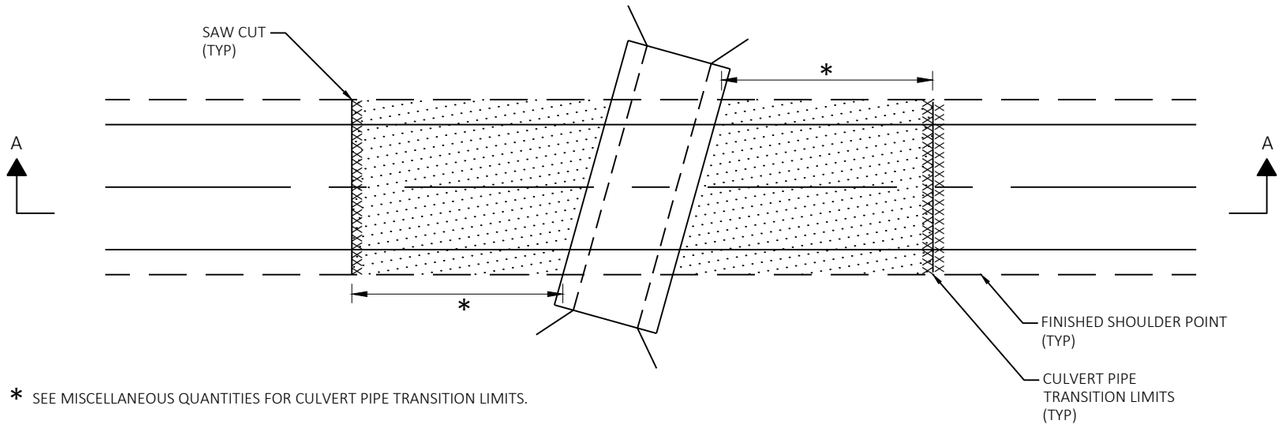




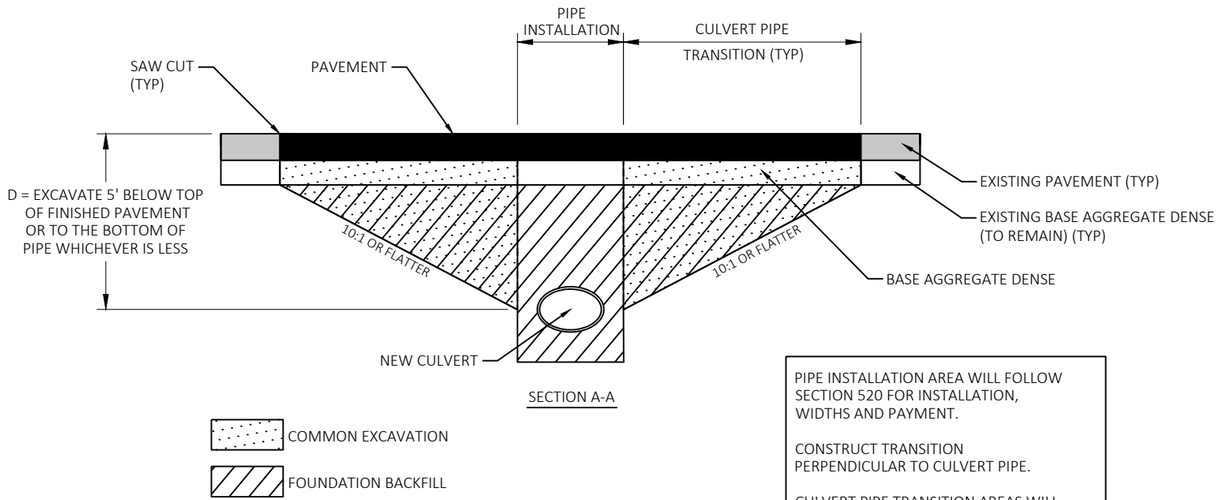
SECTION A-A

DETAIL OF CURB AND GUTTER AT INLETS

2



* SEE MISCELLANEOUS QUANTITIES FOR CULVERT PIPE TRANSITION LIMITS.



PIPE INSTALLATION AREA WILL FOLLOW SECTION 520 FOR INSTALLATION, WIDTHS AND PAYMENT.

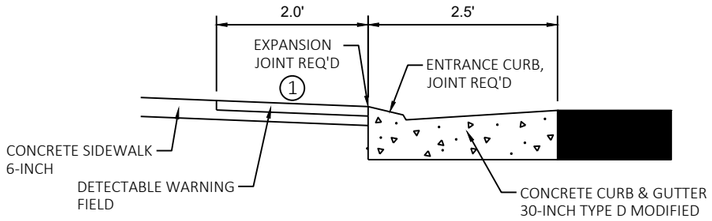
CONSTRUCT TRANSITION PERPENDICULAR TO CULVERT PIPE.

CULVERT PIPE TRANSITION AREAS WILL BE PAID BY COMMON EXCAVATION & SPV FOUNDATION BACKFILL.

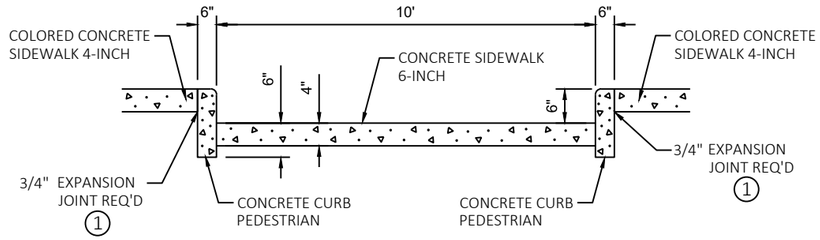
PAVEMENT SAW CUT TO BE PERPENDICULAR TO ROADWAY ALIGNMENT.

NEW CULVERT PIPES WITH TRANSITION

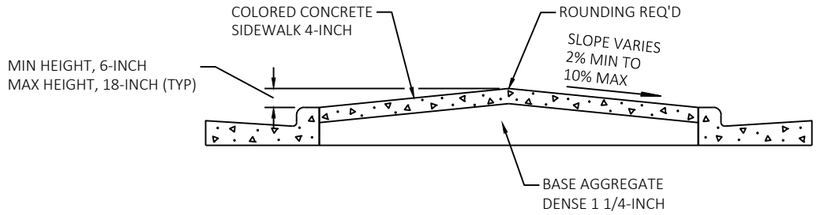
STA 206'EB'+85



SECTION A-A



SECTION B-B



SECTION C-C

1 EXPANSION MATERIAL TO BE 1" LONGER THAN ABUTTING MEDIAN CONCRETE THICKNESS. (i.e. 5" IN HEIGHT WHEN ADJACENT TO CONCRETE SIDEWALK 4-INCH)

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

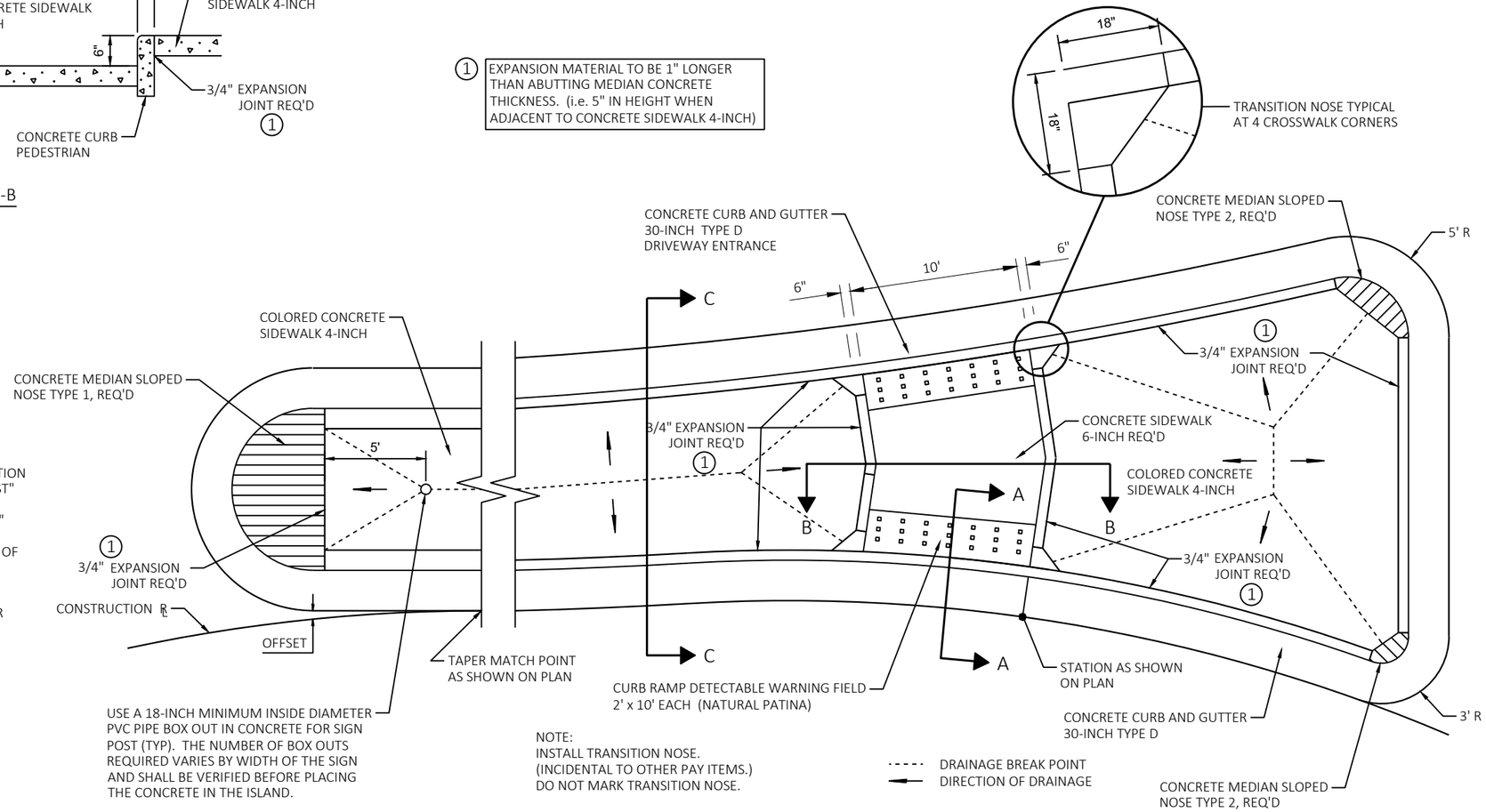
SEE A4-3 SIGN PLATE FOR "TYPICAL INSTALLATION OF PERMANENT TYPE II SIGNS ON SINGLE POST"

SEE A4-3B SIGN PLATE "SIGN POST BOX-OUTS"

** SEE A4-4 SIGN PLATE "TYPICAL INSTALLATION OF TYPE II SIGNS ON MULTIPLE SUPPORTS"

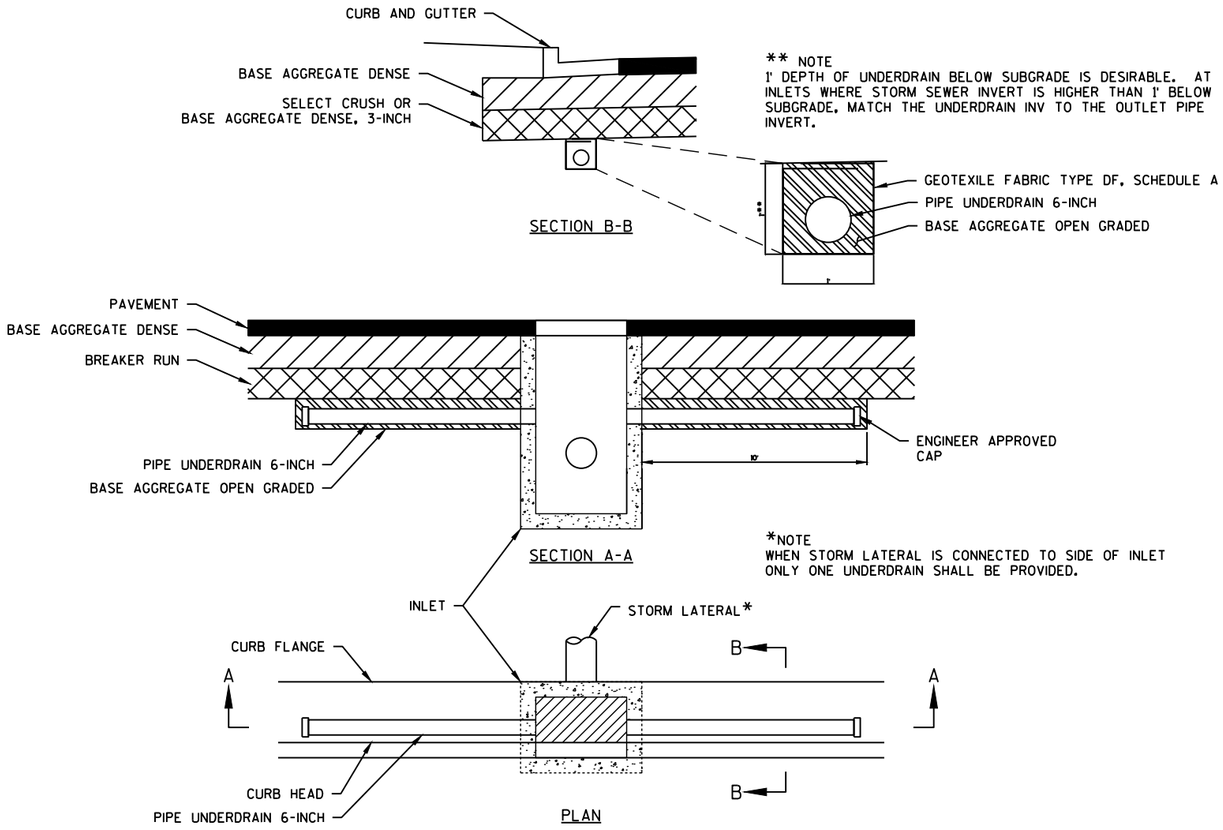
USE A 18-INCH MINIMUM INSIDE DIAMETER PVC PIPE BOX OUT IN CONCRETE FOR SIGN POST (TYP). THE NUMBER OF BOX OUTS REQUIRED VARIES BY WIDTH OF THE SIGN AND SHALL BE VERIFIED BEFORE PLACING THE CONCRETE IN THE ISLAND.

ISLAND SIGN LOCATION DETAIL (TYP)



CONCRETE SPLITTER ISLAND DETAIL WITH CROSSWALK

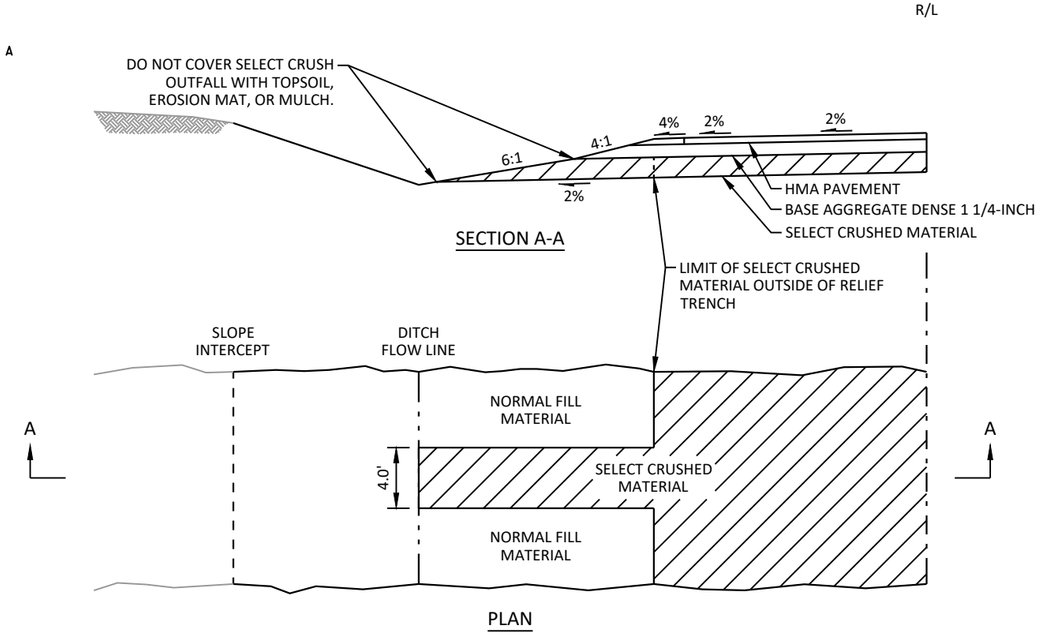
2



PIPE UNDERDRAIN DETAIL

SEE PAVING DETAILS & STORM SEWER SHEETS FOR LOCATIONS

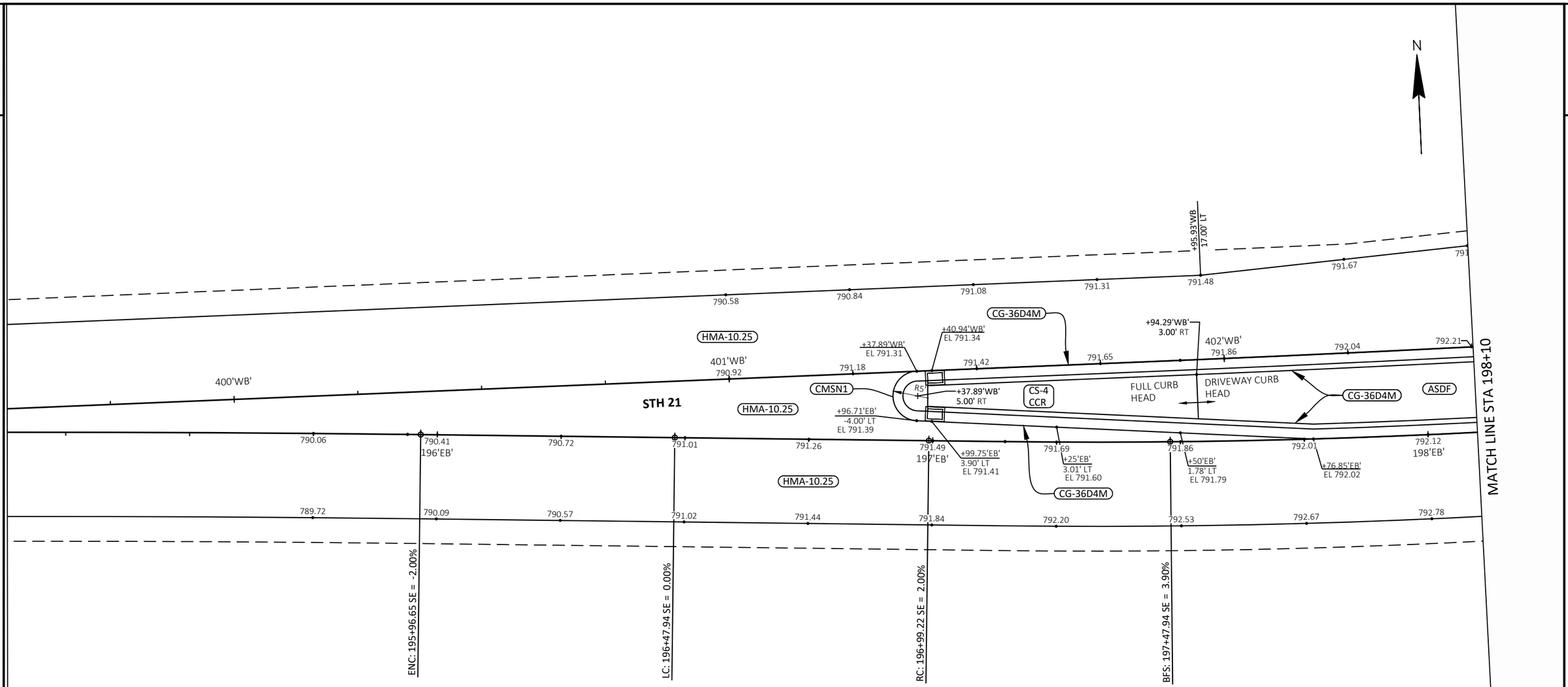
R/L



HALF SECTION -- SUBGRADE IMPROVEMENT RELIEF TRENCH
RURAL RECONSTRUCTION APPROACHES TO ROUNDABOUT

250-FT MAX SPACING & AT ALL LOW POINTS

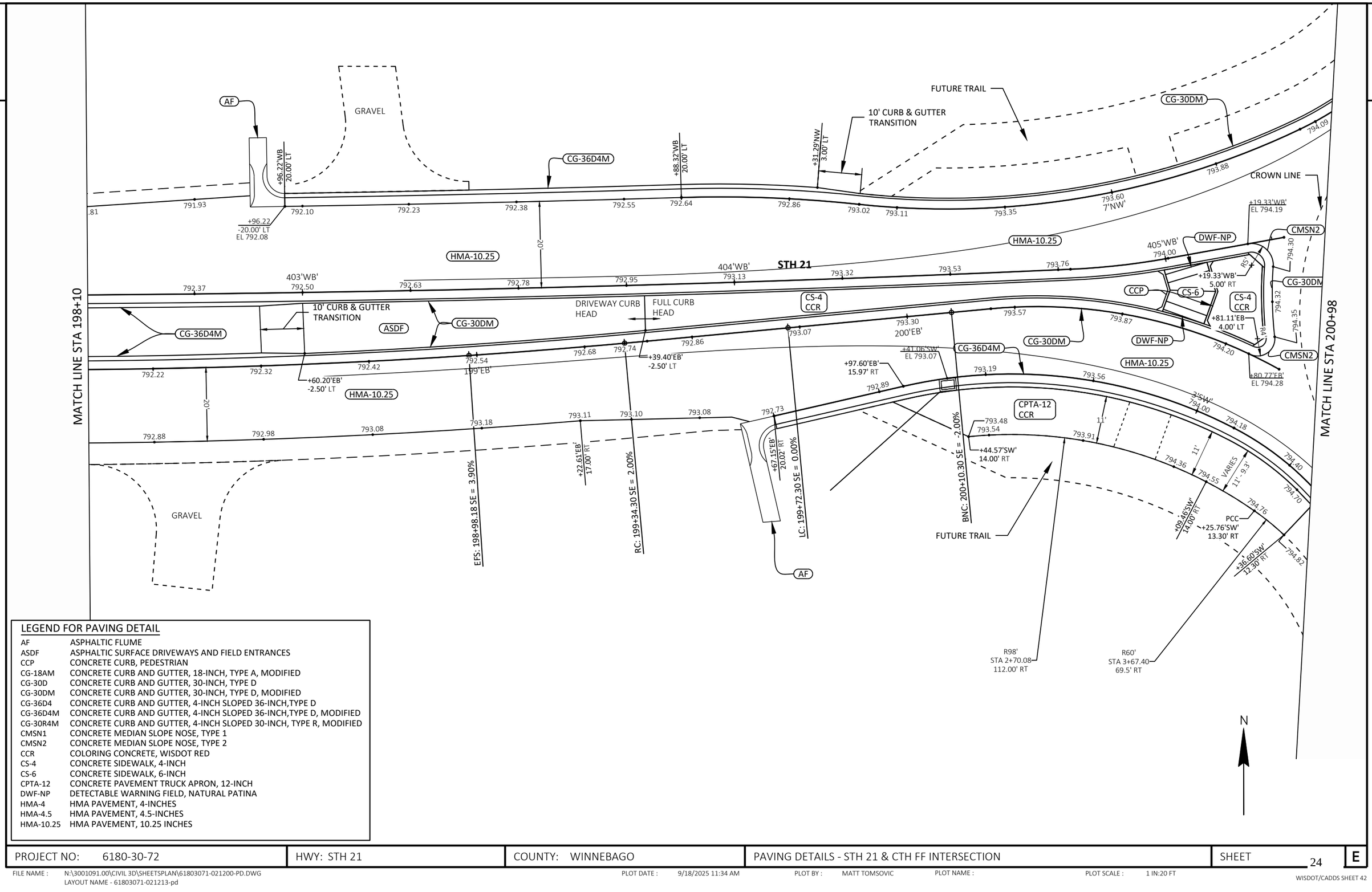
2



LEGEND FOR PAVING DETAIL

AF	ASPHALTIC FLUME
ASDF	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
CCP	CONCRETE CURB, PEDESTRIAN
CG-18AM	CONCRETE CURB AND GUTTER, 18-INCH, TYPE A, MODIFIED
CG-30D	CONCRETE CURB AND GUTTER, 30-INCH, TYPE D
CG-30DM	CONCRETE CURB AND GUTTER, 30-INCH, TYPE D, MODIFIED
CG-36D4	CONCRETE CURB AND GUTTER, 4-INCH SLOPED 36-INCH,TYPE D
CG-36D4M	CONCRETE CURB AND GUTTER, 4-INCH SLOPED 36-INCH,TYPE D, MODIFIED
CG-30R4M	CONCRETE CURB AND GUTTER, 4-INCH SLOPED 30-INCH, TYPE R, MODIFIED
CMSN1	CONCRETE MEDIAN SLOPE NOSE, TYPE 1
CMSN2	CONCRETE MEDIAN SLOPE NOSE, TYPE 2
CCR	COLORING CONCRETE, WISDOT RED
CS-4	CONCRETE SIDEWALK, 4-INCH
CS-6	CONCRETE SIDEWALK, 6-INCH
CPTA-12	CONCRETE PAVEMENT TRUCK APRON, 12-INCH
DWF-NP	DETECTABLE WARNING FIELD, NATURAL PATINA
HMA-4	HMA PAVEMENT, 4-INCHES
HMA-4.5	HMA PAVEMENT, 4.5-INCHES
HMA-10.25	HMA PAVEMENT, 10.25 INCHES

PROJECT NO: 6180-30-72	HWY: STH 21	COUNTY: WINNEBAGO	PAVING DETAILS - STH 21 & CTH FF INTERSECTION	SHEET 23	E



LEGEND FOR PAVING DETAIL

AF	ASPHALTIC FLUME
ASDF	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
CCP	CONCRETE CURB, PEDESTRIAN
CG-18AM	CONCRETE CURB AND GUTTER, 18-INCH, TYPE A, MODIFIED
CG-30D	CONCRETE CURB AND GUTTER, 30-INCH, TYPE D
CG-30DM	CONCRETE CURB AND GUTTER, 30-INCH, TYPE D, MODIFIED
CG-36D4	CONCRETE CURB AND GUTTER, 4-INCH SLOPED 36-INCH,TYPE D
CG-36D4M	CONCRETE CURB AND GUTTER, 4-INCH SLOPED 36-INCH,TYPE D, MODIFIED
CG-30R4M	CONCRETE CURB AND GUTTER, 4-INCH SLOPED 30-INCH, TYPE R, MODIFIED
CMSN1	CONCRETE MEDIAN SLOPE NOSE, TYPE 1
CMSN2	CONCRETE MEDIAN SLOPE NOSE, TYPE 2
CCR	COLORING CONCRETE, WISDOT RED
CS-4	CONCRETE SIDEWALK, 4-INCH
CS-6	CONCRETE SIDEWALK, 6-INCH
CPTA-12	CONCRETE PAVEMENT TRUCK APRON, 12-INCH
DWF-NP	DETECTABLE WARNING FIELD, NATURAL PATINA
HMA-4	HMA PAVEMENT, 4-INCHES
HMA-4.5	HMA PAVEMENT, 4.5-INCHES
HMA-10.25	HMA PAVEMENT, 10.25 INCHES

PROJECT NO: 6180-30-72	HWY: STH 21	COUNTY: WINNEBAGO	PAVING DETAILS - STH 21 & CTH FF INTERSECTION	SHEET 24	E

FILE NAME : N:\3001091.00\CIVIL 3D\SHEETSPLAN\61803071-021200-PD.DWG
LAYOUT NAME - 61803071-021213-pd
PLOT DATE : 9/18/2025 11:34 AM PLOT BY : MATT TOMSOVIC PLOT NAME : PLOT SCALE : 1 IN:20 FT

2

N

MATCH LINE STA 200+98

MATCH LINE STA 203+70

<-- CTH FF
REIGHMOOR RD -->

<-- STH 21 -->

CG-30DM
CMSN2
CG-18AM
CG-30R4M
CG-36D4M
HMA-10.25
CPTA-12
CCR
CS-4
CCR
CS-6
CCP
DWF-NP
ASDF
CMSN1

+61.87'SB'
EL 794.18
+65.08'NB'
EL 794.26
HP +73.60'
LP +10.00'RA1'
+20.00'RA1'
22'RA1'
31'RC1'
32'RC1'
23'RA1'
+46.31'NE'
12.09' RT
+00.00'NE'
14.00' RT
+44.55'NE'
14.00' RT
+27.46'NE'
3.00' RT
R104.0000
STA 4+93.20
118.00' RT
5' CURB & GUTTER
TRANSITION
10' CURB & GUTTER
TRANSITION
FUTURE TRAIL
CROWN LINE
VARIES
11'
ENC: 407+49.63 SE =-2.00%
LC: 407+87.63 SE =0.00%
HP +25.00'
LP +19.69'
5'NE'
LP +76.07'WB'
407'WB'
408'WB'
203'EB'
7'SE'
LP +36.49'
LP +54.02'
HP +26.48'
HP +48.00'RA1'
HP +58.00'
LP +68.26'
LP +87.61'
+13.11'SB'
EL 794.78
+10.51'SB'
EL 794.81
+15.41'NB'
EL 794.90
+11.40'NB'
EL 794.95
6.12'SB'
12'NB'
6'SE'
4'SW'
+50.71
-2.50' LT

LEGEND FOR PAVING DETAIL

AF	ASPHALTIC FLUME
ASDF	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
CCP	CONCRETE CURB, PEDESTRIAN
CG-18AM	CONCRETE CURB AND GUTTER, 18-INCH, TYPE A, MODIFIED
CG-30D	CONCRETE CURB AND GUTTER, 30-INCH, TYPE D
CG-30DM	CONCRETE CURB AND GUTTER, 30-INCH, TYPE D, MODIFIED
CG-36D4	CONCRETE CURB AND GUTTER, 4-INCH SLOPED 36-INCH,TYPE D
CG-36D4M	CONCRETE CURB AND GUTTER, 4-INCH SLOPED 36-INCH,TYPE D, MODIFIED
CG-30R4M	CONCRETE CURB AND GUTTER, 4-INCH SLOPED 30-INCH, TYPE R, MODIFIED
CMSN1	CONCRETE MEDIAN SLOPE NOSE, TYPE 1
CMSN2	CONCRETE MEDIAN SLOPE NOSE, TYPE 2
CCR	COLORING CONCRETE, WISDOT RED
CS-4	CONCRETE SIDEWALK, 4-INCH
CS-6	CONCRETE SIDEWALK, 6-INCH
CPTA-12	CONCRETE PAVEMENT TRUCK APRON, 12-INCH
DWF-NP	DETECTABLE WARNING FIELD, NATURAL PATINA
HMA-4	HMA PAVEMENT, 4-INCHES
HMA-4.5	HMA PAVEMENT, 4.5-INCHES
HMA-10.25	HMA PAVEMENT, 10.25 INCHES

PROJECT NO: 6180-30-72	HWY: STH 21	COUNTY: WINNEBAGO	PAVING DETAILS - STH 21 & CTH FF INTERSECTION	SHEET 25	E

FILE NAME : N:\3001091.00\CIVIL 3D\SHEETSPLAN\61803071-021200-PD.DWG
LAYOUT NAME - 61803071-021214-pd

PLOT DATE : 9/18/2025 11:34 AM PLOT BY : MATT TOMSOVIC PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 42

2

2

N

RC: 408+25.63 SE =2.00%

+37.51'WB
17.00' LT

BFS: 408+61.75 SE =3.90%

EFS: 410+28.42 SE =3.90%

RC: 410+77.14 SE =2.00%

796.54 796.76 796.98 797.20 797.32 797.54 797.75 797.94 798.12 798.29 798.43 798.42 798.38

HMA-10.25

+13.89'WB
EL 796.09

796.19 796.43 796.53 796.66

409'WB'
796.88 797.09 797.28

+63.93'WB'
0.00
EL 797.38

+75'WB'
0.81' RT
EL 797.43

797.46

+00'WB'
2.33' RT
EL 797.53

410'WB'
797.62

+25'WB'
3.44' RT
EL 797.64

797.77

+41.94'WB'
3.95' RT
EL 797.73

797.90 798.02

CS-4
CCR

CG-36D4M

STH 21

+01.34'EB
5.00' LT

R5'

CMSN1

HMA-10.25

795.86 796.09 796.32 796.55 796.77 796.98 797.18 797.36 797.53 797.68 797.82 797.95

204'EB'

205'EB'

206'EB'

+01.34'FB'
EL 797.69

HMA-10.25

MATCH LINE STA 203+70

MATCH LINE STA 206+50

CG-30DM

795.51 795.72 795.89 796.14 796.39 796.63 796.84 797.02 797.19 797.34 797.48 797.61

8.5E'

+03.70'EB'
20.06' RT

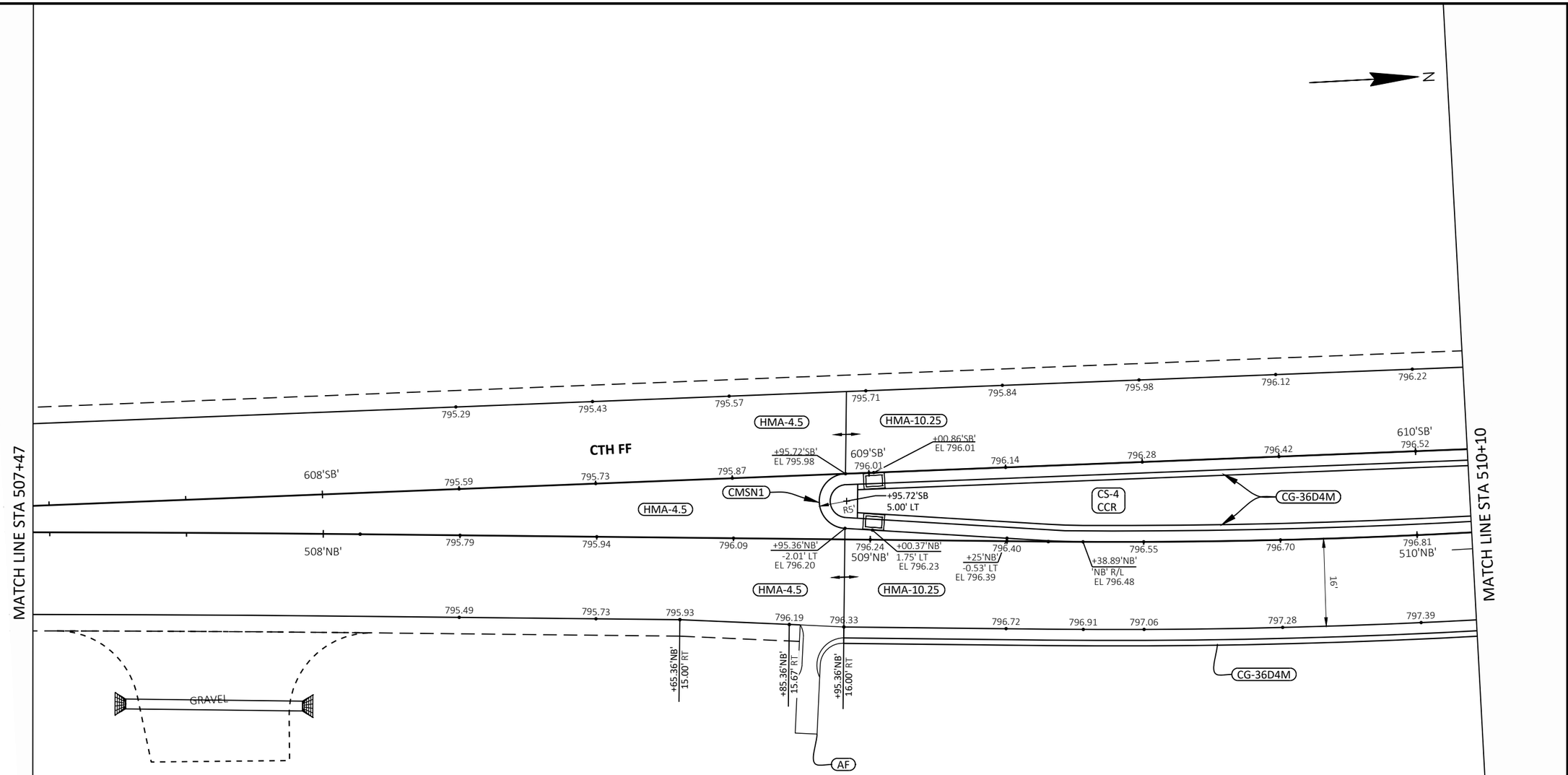
+03.84'EB'
17.00' RT

LEGEND FOR PAVING DETAIL

AF	ASPHALTIC FLUME
ASDF	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
CCP	CONCRETE CURB, PEDESTRIAN
CG-18AM	CONCRETE CURB AND GUTTER, 18-INCH, TYPE A, MODIFIED
CG-30D	CONCRETE CURB AND GUTTER, 30-INCH, TYPE D
CG-30DM	CONCRETE CURB AND GUTTER, 30-INCH, TYPE D, MODIFIED
CG-36D4	CONCRETE CURB AND GUTTER, 4-INCH SLOPED 36-INCH,TYPE D
CG-36D4M	CONCRETE CURB AND GUTTER, 4-INCH SLOPED 36-INCH,TYPE D, MODIFIED
CG-30R4M	CONCRETE CURB AND GUTTER, 4-INCH SLOPED 30-INCH, TYPE R, MODIFIED
CMSN1	CONCRETE MEDIAN SLOPE NOSE, TYPE 1
CMSN2	CONCRETE MEDIAN SLOPE NOSE, TYPE 2
CCR	COLORING CONCRETE, WISDOT RED
CS-4	CONCRETE SIDEWALK, 4-INCH
CS-6	CONCRETE SIDEWALK, 6-INCH
CPTA-12	CONCRETE PAVEMENT TRUCK APRON, 12-INCH
DWF-NP	DETECTABLE WARNING FIELD, NATURAL PATINA
HMA-4	HMA PAVEMENT, 4-INCHES
HMA-4.5	HMA PAVEMENT, 4.5-INCHES
HMA-10.25	HMA PAVEMENT, 10.25 INCHES

PROJECT NO: 6180-30-72	HWY: STH 21	COUNTY: WINNEBAGO	PAVING DETAILS - STH 21 & CTH FF INTERSECTION	SHEET 26	E

2



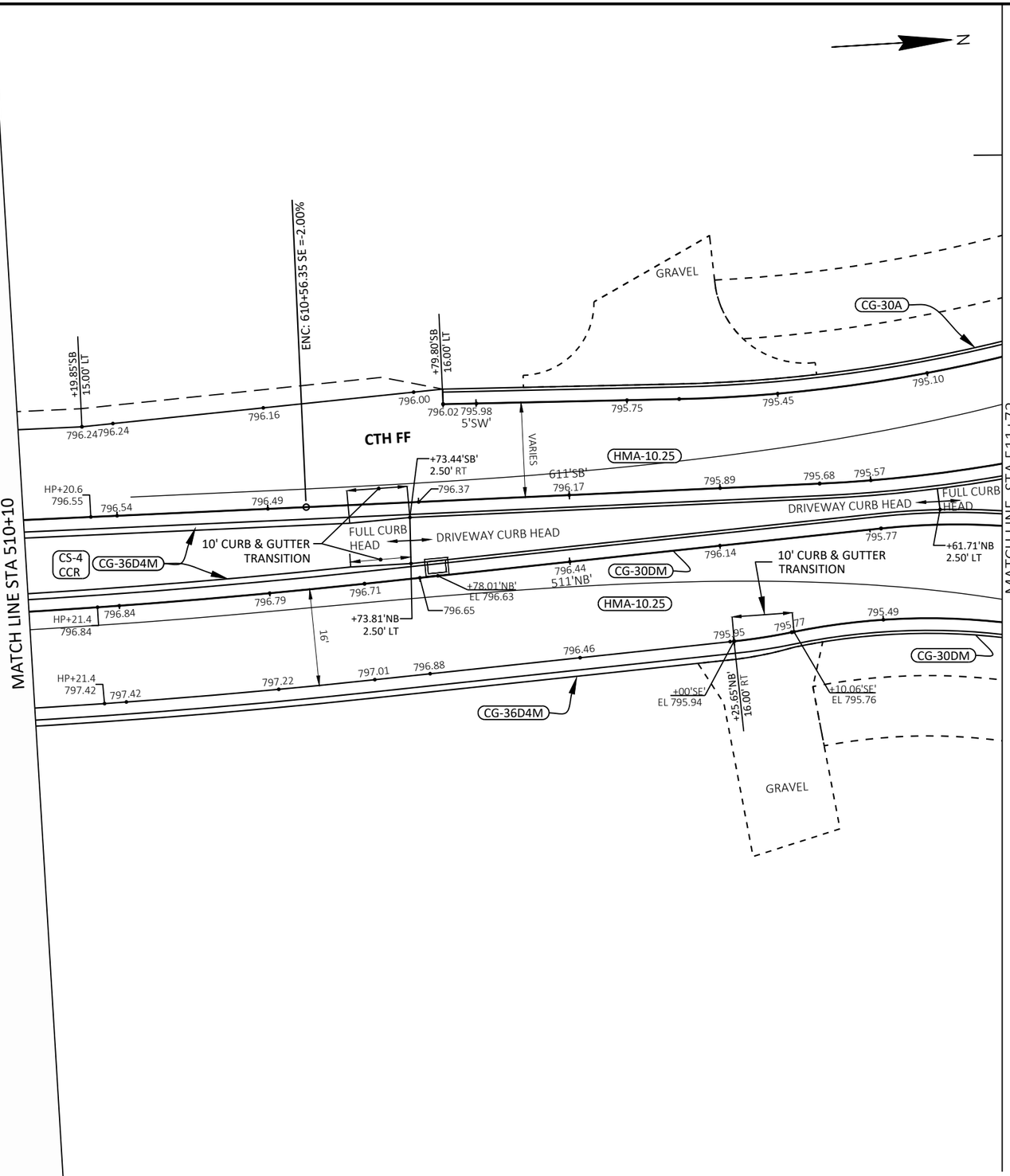
LEGEND FOR PAVING DETAIL

AF	ASPHALTIC FLUME
ASDF	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
CCP	CONCRETE CURB, PEDESTRIAN
CG-18AM	CONCRETE CURB AND GUTTER, 18-INCH, TYPE A, MODIFIED
CG-30D	CONCRETE CURB AND GUTTER, 30-INCH, TYPE D
CG-30DM	CONCRETE CURB AND GUTTER, 30-INCH, TYPE D, MODIFIED
CG-36D4	CONCRETE CURB AND GUTTER, 4-INCH SLOPED 36-INCH,TYPE D
CG-36D4M	CONCRETE CURB AND GUTTER, 4-INCH SLOPED 36-INCH,TYPE D, MODIFIED
CG-30R4M	CONCRETE CURB AND GUTTER, 4-INCH SLOPED 30-INCH, TYPE R, MODIFIED
CMSN1	CONCRETE MEDIAN SLOPE NOSE, TYPE 1
CMSN2	CONCRETE MEDIAN SLOPE NOSE, TYPE 2
CCR	COLORING CONCRETE, WISDOT RED
CS-4	CONCRETE SIDEWALK, 4-INCH
CS-6	CONCRETE SIDEWALK, 6-INCH
CPTA-12	CONCRETE PAVEMENT TRUCK APRON, 12-INCH
DWF-NP	DETECTABLE WARNING FIELD, NATURAL PATINA
HMA-4	HMA PAVEMENT, 4-INCHES
HMA-4.5	HMA PAVEMENT, 4.5-INCHES
HMA-10.25	HMA PAVEMENT, 10.25 INCHES

PROJECT NO: 6180-30-72	HWY: STH 21	COUNTY: WINNEBAGO	PAVING DETAILS - STH 21 & CTH FF INTERSECTION	SHEET 27	E

FILE NAME : N:\3001091.00\CIVIL 3D\SHEETSPLAN\61803071-021200-PD.DWG
LAYOUT NAME - 61803071-021222-pd
PLOT DATE : 9/18/2025 11:34 AM PLOT BY : MATT TOMSOVIC PLOT NAME : PLOT SCALE : 1 IN:20 FT
WISDOT/CADDS SHEET 42

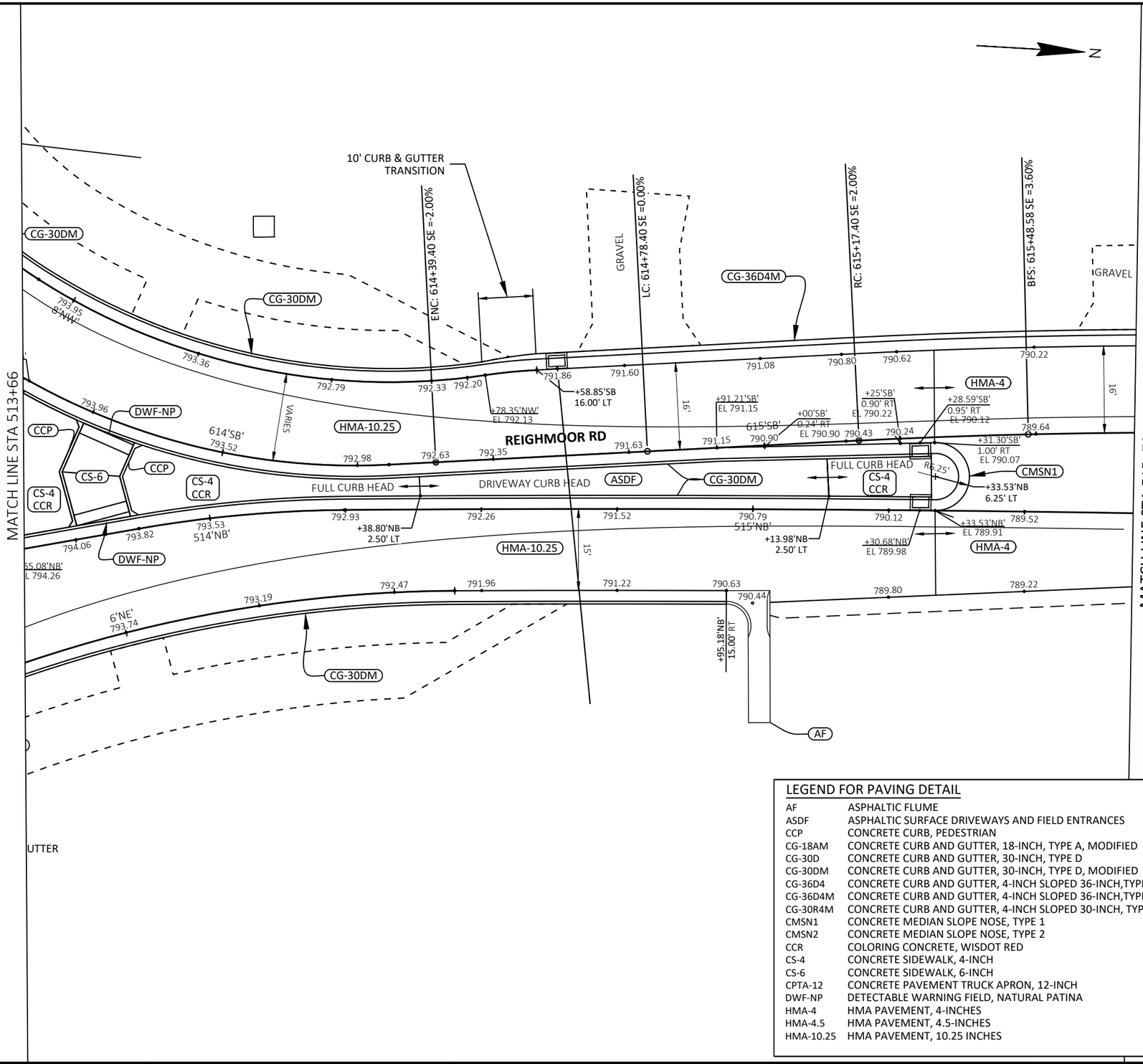
2



LEGEND FOR PAVING DETAIL

AF	ASPHALTIC FLUME
ASDF	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
CCP	CONCRETE CURB, PEDESTRIAN
CG-18AM	CONCRETE CURB AND GUTTER, 18-INCH, TYPE A, MODIFIED
CG-30D	CONCRETE CURB AND GUTTER, 30-INCH, TYPE D
CG-30DM	CONCRETE CURB AND GUTTER, 30-INCH, TYPE D, MODIFIED
CG-36D4	CONCRETE CURB AND GUTTER, 4-INCH SLOPED 36-INCH,TYPE D
CG-36D4M	CONCRETE CURB AND GUTTER, 4-INCH SLOPED 36-INCH,TYPE D, MODIFIED
CG-30R4M	CONCRETE CURB AND GUTTER, 4-INCH SLOPED 30-INCH, TYPE R, MODIFIED
CMSN1	CONCRETE MEDIAN SLOPE NOSE, TYPE 1
CMSN2	CONCRETE MEDIAN SLOPE NOSE, TYPE 2
CCR	COLORING CONCRETE, WISDOT RED
CS-4	CONCRETE SIDEWALK, 4-INCH
CS-6	CONCRETE SIDEWALK, 6-INCH
CPTA-12	CONCRETE PAVEMENT TRUCK APRON, 12-INCH
DWF-NP	DETECTABLE WARNING FIELD, NATURAL PATINA
HMA-4	HMA PAVEMENT, 4-INCHES
HMA-4.5	HMA PAVEMENT, 4.5-INCHES
HMA-10.25	HMA PAVEMENT, 10.25 INCHES

PROJECT NO: 6180-30-72	HWY: STH 21	COUNTY: WINNEBAGO	PAVING DETAILS - STH 21 & CTH FF INTERSECTION	SHEET 28	E



LEGEND FOR PAVING DETAIL

AF	ASPHALTIC FLUME
ASDF	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
CCP	CONCRETE CURB, PEDESTRIAN
CG-18AM	CONCRETE CURB AND GUTTER, 18-INCH, TYPE A, MODIFIED
CG-30D	CONCRETE CURB AND GUTTER, 30-INCH, TYPE D
CG-30DM	CONCRETE CURB AND GUTTER, 30-INCH, TYPE D, MODIFIED
CG-36D4	CONCRETE CURB AND GUTTER, 4-INCH SLOPED 36-INCH,TYPE D
CG-36D4M	CONCRETE CURB AND GUTTER, 4-INCH SLOPED 36-INCH,TYPE D, MODIFIED
CG-30R4M	CONCRETE CURB AND GUTTER, 4-INCH SLOPED 30-INCH, TYPE R, MODIFIED
CMSN1	CONCRETE MEDIAN SLOPE NOSE, TYPE 1
CMSN2	CONCRETE MEDIAN SLOPE NOSE, TYPE 2
CCR	COLORING CONCRETE, WISDOT RED
CS-4	CONCRETE SIDEWALK, 4-INCH
CS-6	CONCRETE SIDEWALK, 6-INCH
CPTA-12	CONCRETE PAVEMENT TRUCK APRON, 12-INCH
DWF-NP	DETECTABLE WARNING FIELD, NATURAL PATINA
HMA-4	HMA PAVEMENT, 4-INCHES
HMA-4.5	HMA PAVEMENT, 4.5-INCHES
HMA-10.25	HMA PAVEMENT, 10.25 INCHES

PROJECT NO: 6180-30-72	HWY: STH 21	COUNTY: WINNEBAGO	PAVING DETAILS - STH 21 & CTH FF INTERSECTION	SHEET 29	E

2

N

MATCH LINE STA 515+70

MATCH LINE STA 518+50

GRAVEL

GRAVEL

GRAVEL

GRAVEL

EFS: 616+79.09 SE =3.60%

RC: 617+14.29 SE =2.00%

LC: 617+58.29 SE =0.00%

BNC: 618+02.29 SE =2.00%

AF

CG-36D4

REIGHMOOR RD

HMA-4

HMA-4

HMA-4

HMA-4

16'

16'

789.68 789.22 788.81 788.43 788.00 787.38 786.99 786.69 785.97 785.73 785.24 784.49 783.83

+05.73'SB'
16.00' LT
EL 787.23

+05.73'SB
12.00' LT

616'SB'
789.11 788.64 788.24 787.85 787.42

617'SB'
786.96 786.68 786.46 785.92 785.73 785.34 784.73 784.07

618'SB'

788.98 788.52 788.11 787.73 787.30 786.84 786.34 785.81 785.24 784.63 783.99

516'NB'

517'NB'

518'NB'

788.72 788.28 787.87 787.49 787.06 786.60 786.10 785.57 785.00 784.39 783.75

+95.36'NB'
12.00' RT

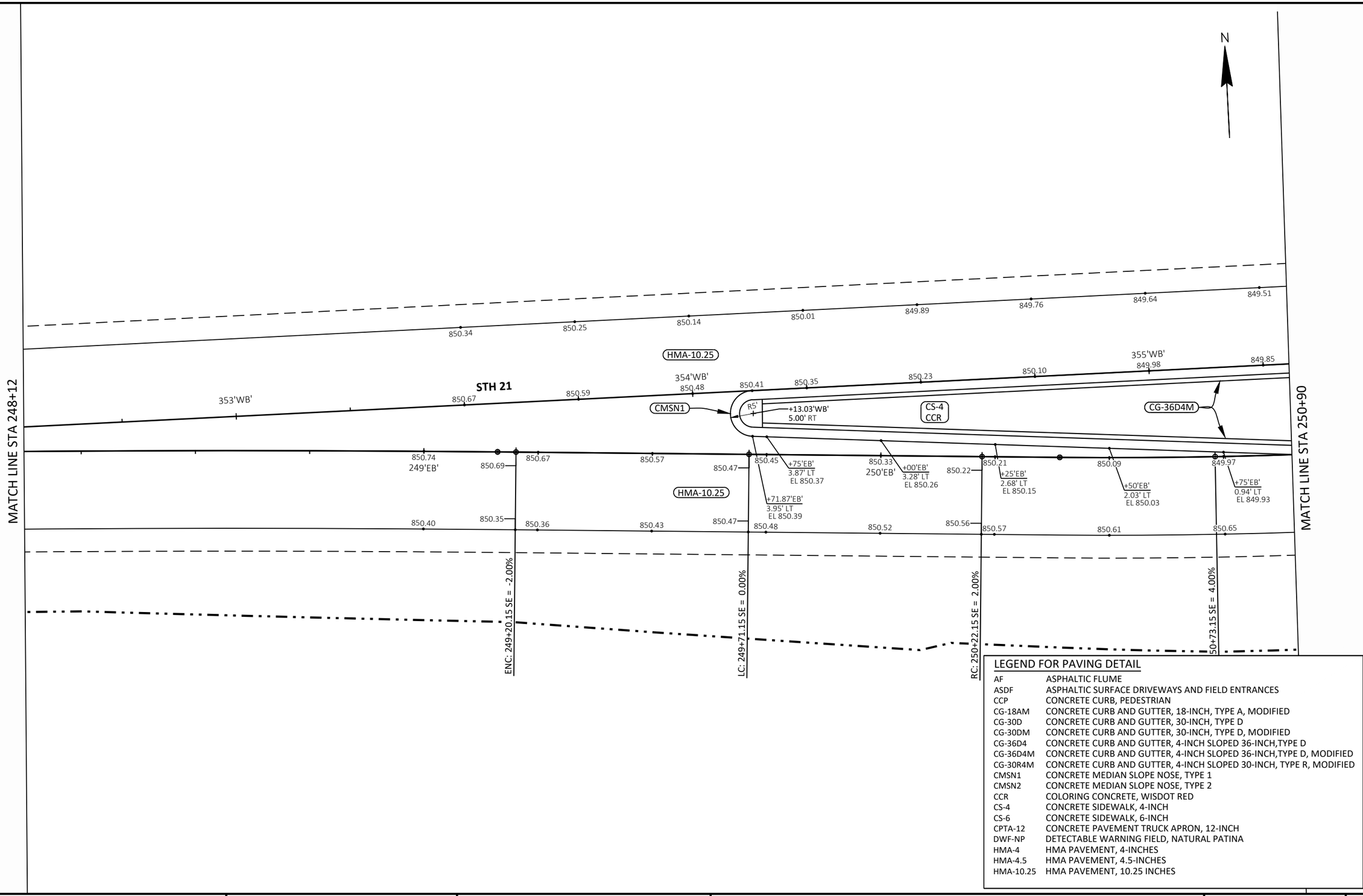
GRAVEL

LEGEND FOR PAVING DETAIL

AF	ASPHALTIC FLUME
ASDF	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
CCP	CONCRETE CURB, PEDESTRIAN
CG-18AM	CONCRETE CURB AND GUTTER, 18-INCH, TYPE A, MODIFIED
CG-30D	CONCRETE CURB AND GUTTER, 30-INCH, TYPE D
CG-30DM	CONCRETE CURB AND GUTTER, 30-INCH, TYPE D, MODIFIED
CG-36D4	CONCRETE CURB AND GUTTER, 4-INCH SLOPED 36-INCH,TYPE D
CG-36D4M	CONCRETE CURB AND GUTTER, 4-INCH SLOPED 36-INCH,TYPE D, MODIFIED
CG-30R4M	CONCRETE CURB AND GUTTER, 4-INCH SLOPED 30-INCH, TYPE R, MODIFIED
CMSN1	CONCRETE MEDIAN SLOPE NOSE, TYPE 1
CMSN2	CONCRETE MEDIAN SLOPE NOSE, TYPE 2
CCR	COLORING CONCRETE, WISDOT RED
CS-4	CONCRETE SIDEWALK, 4-INCH
CS-6	CONCRETE SIDEWALK, 6-INCH
CPTA-12	CONCRETE PAVEMENT TRUCK APRON, 12-INCH
DWF-NP	DETECTABLE WARNING FIELD, NATURAL PATINA
HMA-4	HMA PAVEMENT, 4-INCHES
HMA-4.5	HMA PAVEMENT, 4.5-INCHES
HMA-10.25	HMA PAVEMENT, 10.25 INCHES

PROJECT NO: 6180-30-72	HWY: STH 21	COUNTY: WINNEBAGO	PAVING DETAILS - STH 21 & CTH FF INTERSECTION	SHEET 30	E

2

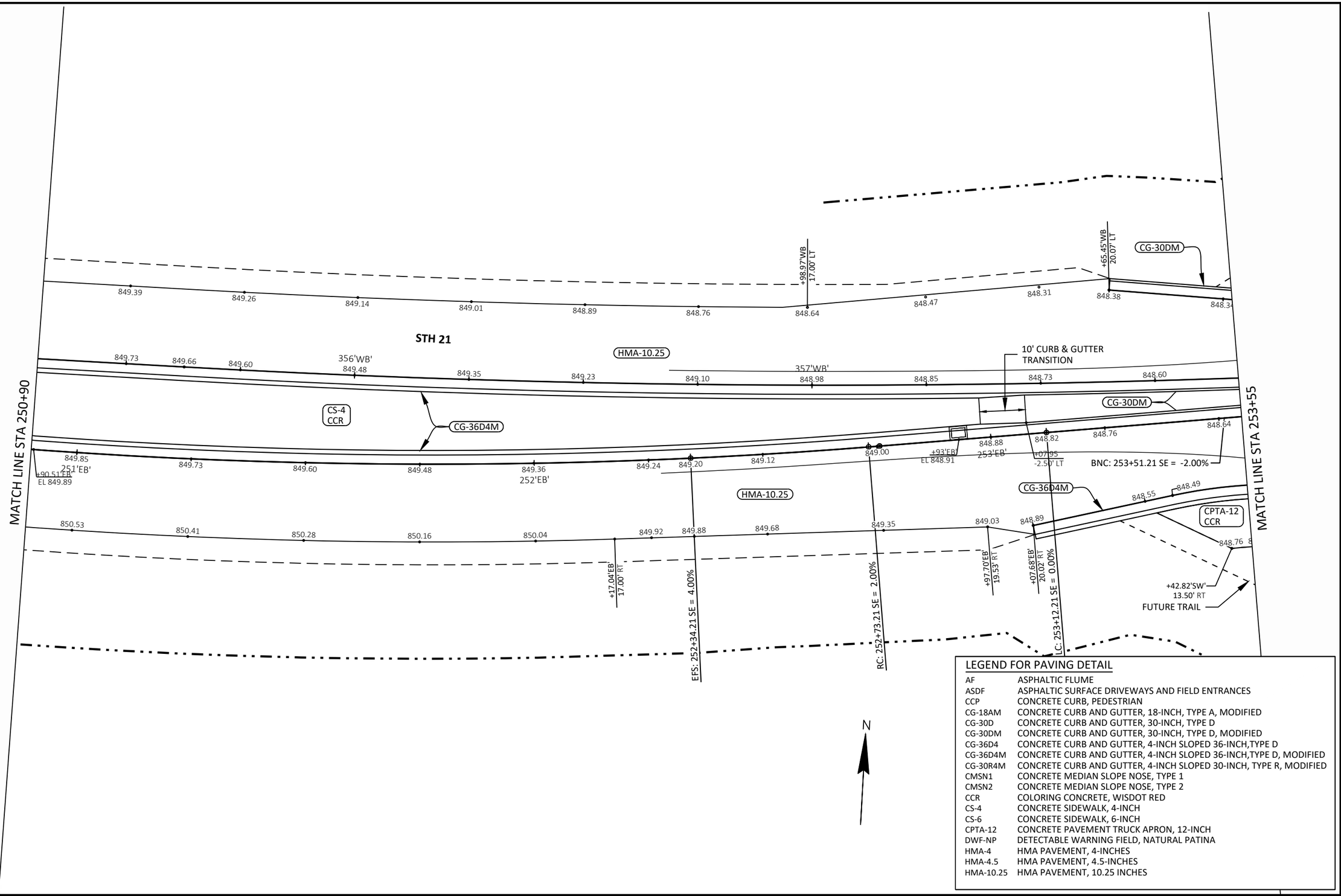


LEGEND FOR PAVING DETAIL

AF	ASPHALTIC FLUME
ASDF	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
CCP	CONCRETE CURB, PEDESTRIAN
CG-18AM	CONCRETE CURB AND GUTTER, 18-INCH, TYPE A, MODIFIED
CG-30D	CONCRETE CURB AND GUTTER, 30-INCH, TYPE D
CG-30DM	CONCRETE CURB AND GUTTER, 30-INCH, TYPE D, MODIFIED
CG-36D4	CONCRETE CURB AND GUTTER, 4-INCH SLOPED 36-INCH,TYPE D
CG-36D4M	CONCRETE CURB AND GUTTER, 4-INCH SLOPED 36-INCH,TYPE D, MODIFIED
CG-30R4M	CONCRETE CURB AND GUTTER, 4-INCH SLOPED 30-INCH, TYPE R, MODIFIED
CMSN1	CONCRETE MEDIAN SLOPE NOSE, TYPE 1
CMSN2	CONCRETE MEDIAN SLOPE NOSE, TYPE 2
CCR	COLORING CONCRETE, WISDOT RED
CS-4	CONCRETE SIDEWALK, 4-INCH
CS-6	CONCRETE SIDEWALK, 6-INCH
CPTA-12	CONCRETE PAVEMENT TRUCK APRON, 12-INCH
DWF-NP	DETECTABLE WARNING FIELD, NATURAL PATINA
HMA-4	HMA PAVEMENT, 4-INCHES
HMA-4.5	HMA PAVEMENT, 4.5-INCHES
HMA-10.25	HMA PAVEMENT, 10.25 INCHES

PROJECT NO: 6180-30-73	HWY: STH 21	COUNTY: WINNEBAGO	PAVING DETAILS - STH 21 & SAND PIT RD INTERSECTION	SHEET 31	E

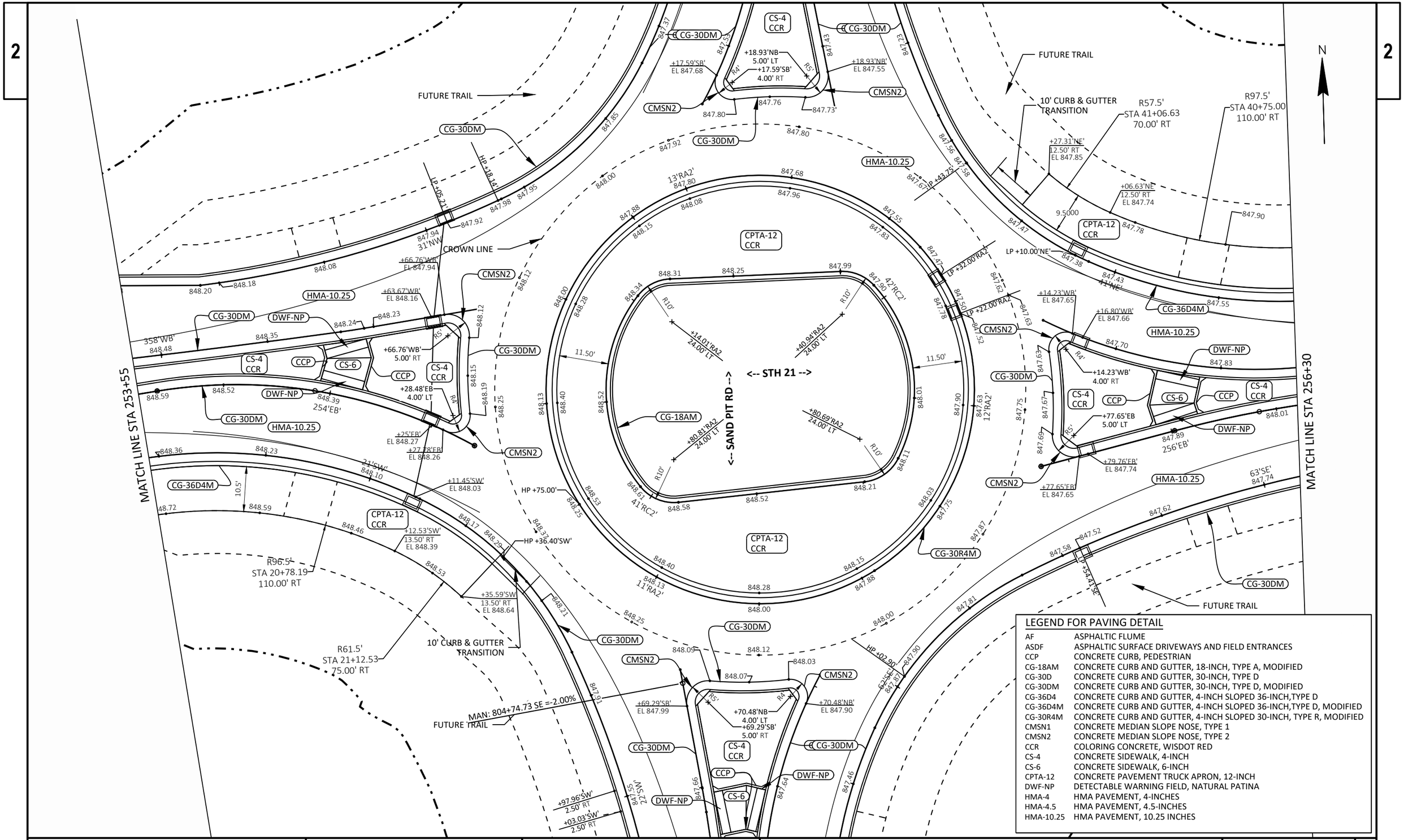
2



LEGEND FOR PAVING DETAIL

AF	ASPHALTIC FLUME
ASDF	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
CCP	CONCRETE CURB, PEDESTRIAN
CG-18AM	CONCRETE CURB AND GUTTER, 18-INCH, TYPE A, MODIFIED
CG-30D	CONCRETE CURB AND GUTTER, 30-INCH, TYPE D
CG-30DM	CONCRETE CURB AND GUTTER, 30-INCH, TYPE D, MODIFIED
CG-36D4	CONCRETE CURB AND GUTTER, 4-INCH SLOPED 36-INCH,TYPE D
CG-36D4M	CONCRETE CURB AND GUTTER, 4-INCH SLOPED 36-INCH,TYPE D, MODIFIED
CG-30R4M	CONCRETE CURB AND GUTTER, 4-INCH SLOPED 30-INCH, TYPE R, MODIFIED
CMSN1	CONCRETE MEDIAN SLOPE NOSE, TYPE 1
CMSN2	CONCRETE MEDIAN SLOPE NOSE, TYPE 2
CCR	COLORING CONCRETE, WISDOT RED
CS-4	CONCRETE SIDEWALK, 4-INCH
CS-6	CONCRETE SIDEWALK, 6-INCH
CPTA-12	CONCRETE PAVEMENT TRUCK APRON, 12-INCH
DWF-NP	DETECTABLE WARNING FIELD, NATURAL PATINA
HMA-4	HMA PAVEMENT, 4-INCHES
HMA-4.5	HMA PAVEMENT, 4.5-INCHES
HMA-10.25	HMA PAVEMENT, 10.25 INCHES

PROJECT NO: 6180-30-73	HWY: STH 21	COUNTY: WINNEBAGO	PAVING DETAILS - STH 21 & SAND PIT RD INTERSECTION	SHEET 32	E



LEGEND FOR PAVING DETAIL

AF	ASPHALTIC FLUME
ASDF	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
CCP	CONCRETE CURB, PEDESTRIAN
CG-18AM	CONCRETE CURB AND GUTTER, 18-INCH, TYPE A, MODIFIED
CG-30D	CONCRETE CURB AND GUTTER, 30-INCH, TYPE D
CG-30DM	CONCRETE CURB AND GUTTER, 30-INCH, TYPE D, MODIFIED
CG-36D4	CONCRETE CURB AND GUTTER, 4-INCH SLOPED 36-INCH,TYPE D
CG-36D4M	CONCRETE CURB AND GUTTER, 4-INCH SLOPED 36-INCH,TYPE D, MODIFIED
CG-30R4M	CONCRETE CURB AND GUTTER, 4-INCH SLOPED 30-INCH, TYPE R, MODIFIED
CMSN1	CONCRETE MEDIAN SLOPE NOSE, TYPE 1
CMSN2	CONCRETE MEDIAN SLOPE NOSE, TYPE 2
CCR	COLORING CONCRETE, WISDOT RED
CS-4	CONCRETE SIDEWALK, 4-INCH
CS-6	CONCRETE SIDEWALK, 6-INCH
CPTA-12	CONCRETE PAVEMENT TRUCK APRON, 12-INCH
DWF-NP	DETECTABLE WARNING FIELD, NATURAL PATINA
HMA-4	HMA PAVEMENT, 4-INCHES
HMA-4.5	HMA PAVEMENT, 4.5-INCHES
HMA-10.25	HMA PAVEMENT, 10.25 INCHES

PROJECT NO: 6180-30-73	HWY: STH 21	COUNTY: WINNEBAGO	PAVING DETAILS - STH 21 & SAND PIT RD INTERSECTION	SHEET 33	E

2

2

N

MATCH LINE STA 256+30

MATCH LINE STA 258+70

FUTURE TRAIL

+41.01'NE'
12.50' RT
EL 848.12

ENC: 360+81.19 SE =-2.00%

LC: 361+20.19 SE =0.00%

+26.32'WB
20.02' LT

+36.30'WB
19.52' LT

RC: 361+59.19 SE =2.00%

BFS: 361+98.19 SE =4.00%

+16.39'WB
17.00' LT

848.06 CPTA-8 847.70 847.93 848.17 848.27 848.61 848.74 848.93 849.18 849.19 849.17 849.11 849.01

CG-36D4M

+95.44'WB
15.94' LT

HMA-10.25

STH 21

+97.54'WB
EL 848.34

363'WB'
848.33

362'WB'
848.49

848.51 848.49 848.43

+30'WB'
EL 848.23

+44.43
2.50' RT

361'WB'
848.08

847.95 848.18 848.20 848.33 848.37 848.43

HP +25.00'

CG-30DM

CS-4
CCR

HP +59.85'

CG-36D4M

848.14 848.26 848.38 257'EB' 848.46 848.49 848.50 848.49 848.44 258'EB' 848.36 848.23

10' CURB & GUTTER
TRANSITION

HMA-10.25

847.99 CG-30DM 847.89 848.02 848.10 848.15 848.02 848.10 848.14 848.10 848.02 847.89

+62.38'EB'
15.00' RT

+07.86'EB'
20.01' RT

+76.77'EB'
17.00' RT

FUTURE TRAIL

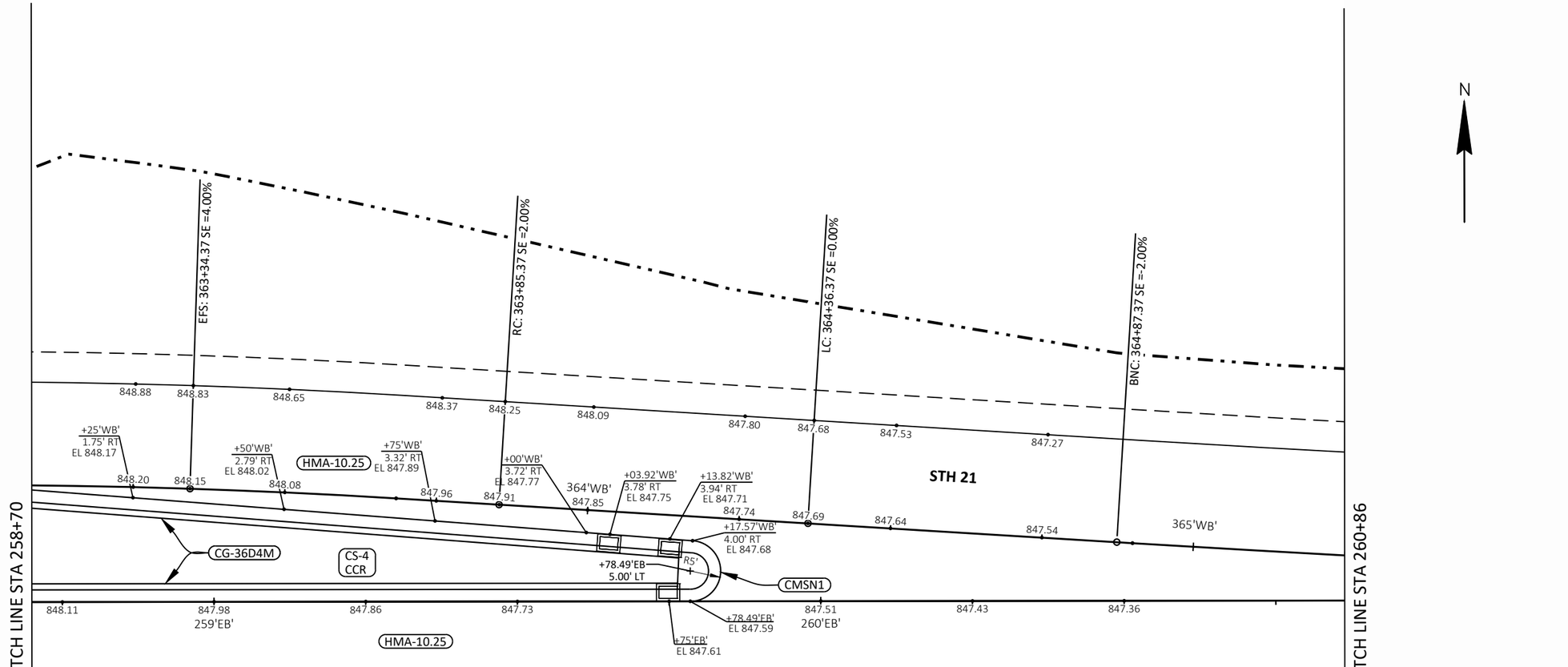
LEGEND FOR PAVING DETAIL

AF	ASPHALTIC FLUME
ASDF	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
CCP	CONCRETE CURB, PEDESTRIAN
CG-18AM	CONCRETE CURB AND GUTTER, 18-INCH, TYPE A, MODIFIED
CG-30D	CONCRETE CURB AND GUTTER, 30-INCH, TYPE D
CG-30DM	CONCRETE CURB AND GUTTER, 30-INCH, TYPE D, MODIFIED
CG-36D4	CONCRETE CURB AND GUTTER, 4-INCH SLOPED 36-INCH,TYPE D
CG-36D4M	CONCRETE CURB AND GUTTER, 4-INCH SLOPED 36-INCH,TYPE D, MODIFIED
CG-30R4M	CONCRETE CURB AND GUTTER, 4-INCH SLOPED 30-INCH, TYPE R, MODIFIED
CMSN1	CONCRETE MEDIAN SLOPE NOSE, TYPE 1
CMSN2	CONCRETE MEDIAN SLOPE NOSE, TYPE 2
CCR	COLORING CONCRETE, WISDOT RED
CS-4	CONCRETE SIDEWALK, 4-INCH
CS-6	CONCRETE SIDEWALK, 6-INCH
CPTA-12	CONCRETE PAVEMENT TRUCK APRON, 12-INCH
DWF-NP	DETECTABLE WARNING FIELD, NATURAL PATINA
HMA-4	HMA PAVEMENT, 4-INCHES
HMA-4.5	HMA PAVEMENT, 4.5-INCHES
HMA-10.25	HMA PAVEMENT, 10.25 INCHES

PROJECT NO: 6180-30-73	HWY: STH 21	COUNTY: WINNEBAGO	PAVING DETAILS - STH 21 & SAND PIT RD INTERSECTION	SHEET 34	E

FILE NAME : N:\3001091.00\CIVIL 3D\SHEETSPLAN\61803071-021200-PD.DWG
LAYOUT NAME - 61803071-021235-pd
PLOT DATE : 9/18/2025 11:35 AM
PLOT BY : MATT TOMSOVIC
PLOT NAME :
PLOT SCALE : 1 IN:20 FT
WISDOT/CADDS SHEET 42

2



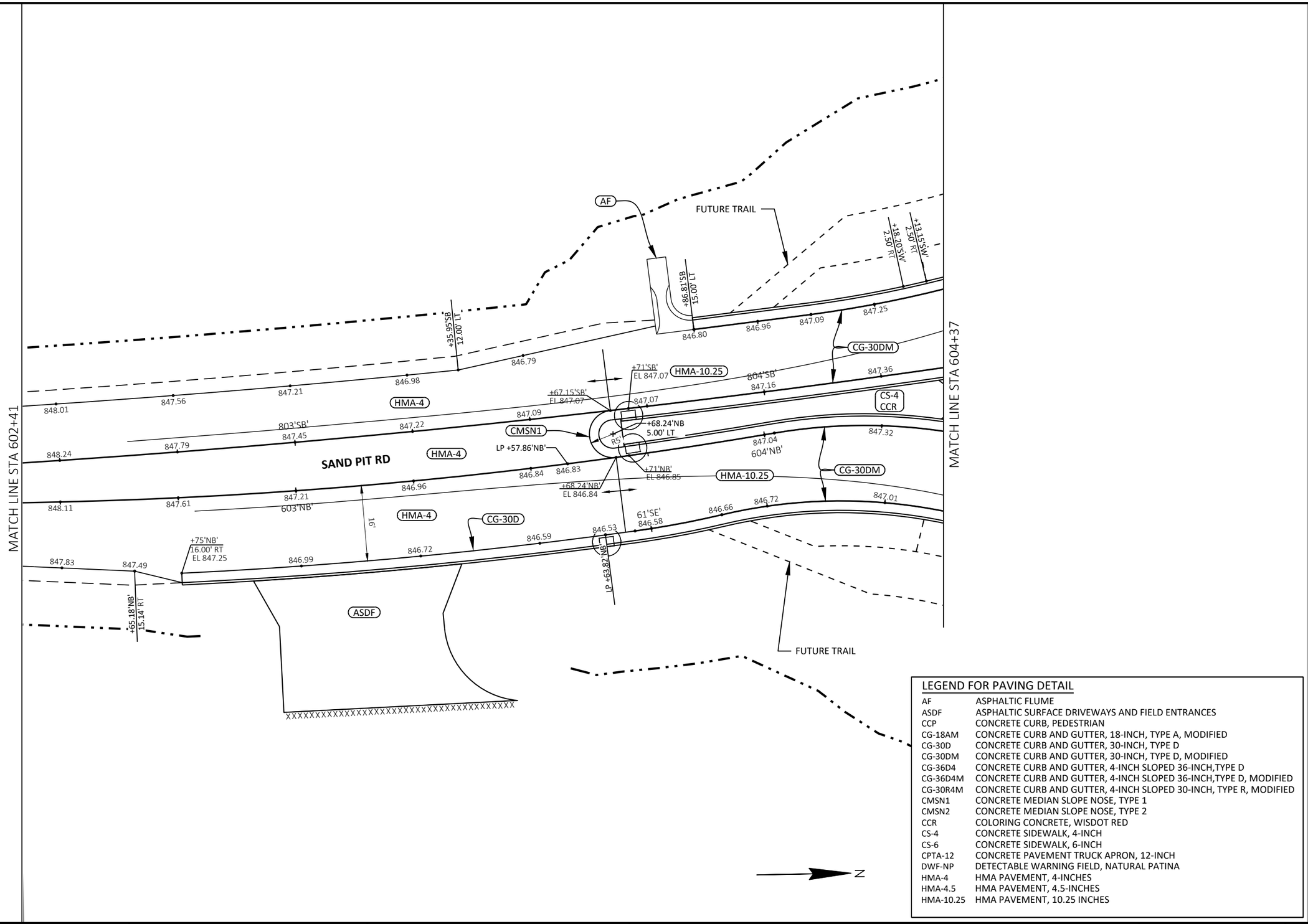
LEGEND FOR PAVING DETAIL

AF	ASPHALTIC FLUME
ASDF	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
CCP	CONCRETE CURB, PEDESTRIAN
CG-18AM	CONCRETE CURB AND GUTTER, 18-INCH, TYPE A, MODIFIED
CG-30D	CONCRETE CURB AND GUTTER, 30-INCH, TYPE D
CG-30DM	CONCRETE CURB AND GUTTER, 30-INCH, TYPE D, MODIFIED
CG-36D4	CONCRETE CURB AND GUTTER, 4-INCH SLOPED 36-INCH,TYPE D
CG-36D4M	CONCRETE CURB AND GUTTER, 4-INCH SLOPED 36-INCH,TYPE D, MODIFIED
CG-30R4M	CONCRETE CURB AND GUTTER, 4-INCH SLOPED 30-INCH, TYPE R, MODIFIED
CMSN1	CONCRETE MEDIAN SLOPE NOSE, TYPE 1
CMSN2	CONCRETE MEDIAN SLOPE NOSE, TYPE 2
CCR	COLORING CONCRETE, WISDOT RED
CS-4	CONCRETE SIDEWALK, 4-INCH
CS-6	CONCRETE SIDEWALK, 6-INCH
CPTA-12	CONCRETE PAVEMENT TRUCK APRON, 12-INCH
DWF-NP	DETECTABLE WARNING FIELD, NATURAL PATINA
HMA-4	HMA PAVEMENT, 4-INCHES
HMA-4.5	HMA PAVEMENT, 4.5-INCHES
HMA-10.25	HMA PAVEMENT, 10.25 INCHES

PROJECT NO: 6180-30-73	HWY: STH 21	COUNTY: WINNEBAGO	PAVING DETAILS - STH 21 & SAND PIT RD INTERSECTION	SHEET 35	E

FILE NAME : N:\3001091.00\CIVIL 3D\SHEETSPLAN\61803071-021200-PD.DWG
LAYOUT NAME - 61803071-021236-pd
PLOT DATE : 9/18/2025 11:35 AM
PLOT BY : MATT TOMSOVIC
PLOT NAME :
PLOT SCALE : 1 IN:20 FT
WISDOT/CADDS SHEET 42

2



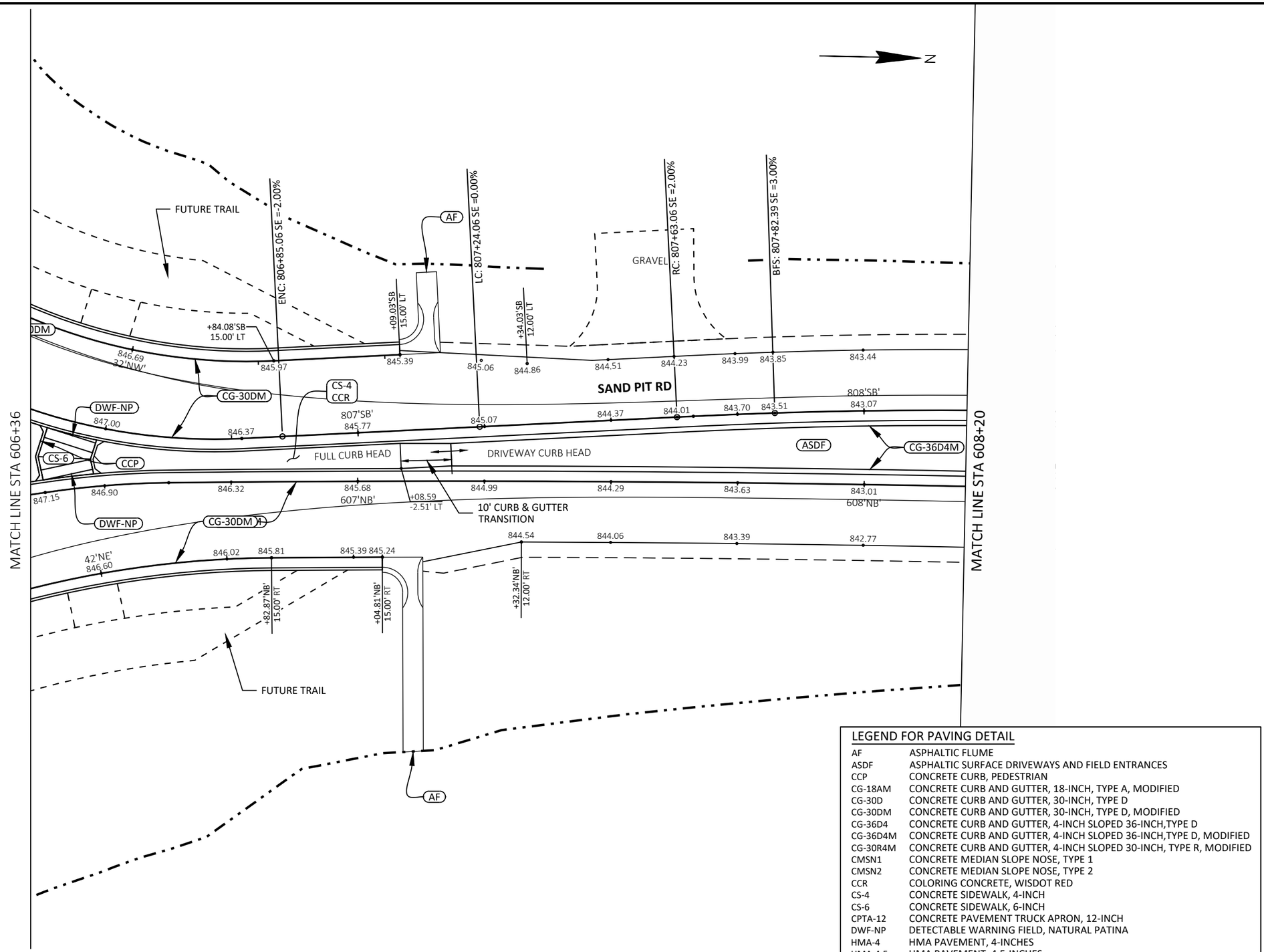
LEGEND FOR PAVING DETAIL

AF	ASPHALTIC FLUME
ASDF	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
CCP	CONCRETE CURB, PEDESTRIAN
CG-18AM	CONCRETE CURB AND GUTTER, 18-INCH, TYPE A, MODIFIED
CG-30D	CONCRETE CURB AND GUTTER, 30-INCH, TYPE D
CG-30DM	CONCRETE CURB AND GUTTER, 30-INCH, TYPE D, MODIFIED
CG-36D4	CONCRETE CURB AND GUTTER, 4-INCH SLOPED 36-INCH,TYPE D
CG-36D4M	CONCRETE CURB AND GUTTER, 4-INCH SLOPED 36-INCH,TYPE D, MODIFIED
CG-30R4M	CONCRETE CURB AND GUTTER, 4-INCH SLOPED 30-INCH, TYPE R, MODIFIED
CMSN1	CONCRETE MEDIAN SLOPE NOSE, TYPE 1
CMSN2	CONCRETE MEDIAN SLOPE NOSE, TYPE 2
CCR	COLORING CONCRETE, WISDOT RED
CS-4	CONCRETE SIDEWALK, 4-INCH
CS-6	CONCRETE SIDEWALK, 6-INCH
CPTA-12	CONCRETE PAVEMENT TRUCK APRON, 12-INCH
DWF-NP	DETECTABLE WARNING FIELD, NATURAL PATINA
HMA-4	HMA PAVEMENT, 4-INCHES
HMA-4.5	HMA PAVEMENT, 4.5-INCHES
HMA-10.25	HMA PAVEMENT, 10.25 INCHES

PROJECT NO: 6180-30-73	HWY: STH 21	COUNTY: WINNEBAGO	PAVING DETAILS - STH 21 & SAND PIT RD INTERSECTION	SHEET 36	E

FILE NAME : N:\3001091.00\CIVIL 3D\SHEETSPLAN\61803071-021200-PD.DWG
LAYOUT NAME - 61803071-021242-pd
PLOT DATE : 9/18/2025 11:35 AM
PLOT BY : MATT TOMSOVIC
PLOT NAME :
PLOT SCALE : 1 IN:20 FT
WISDOT/CADDS SHEET 42

2

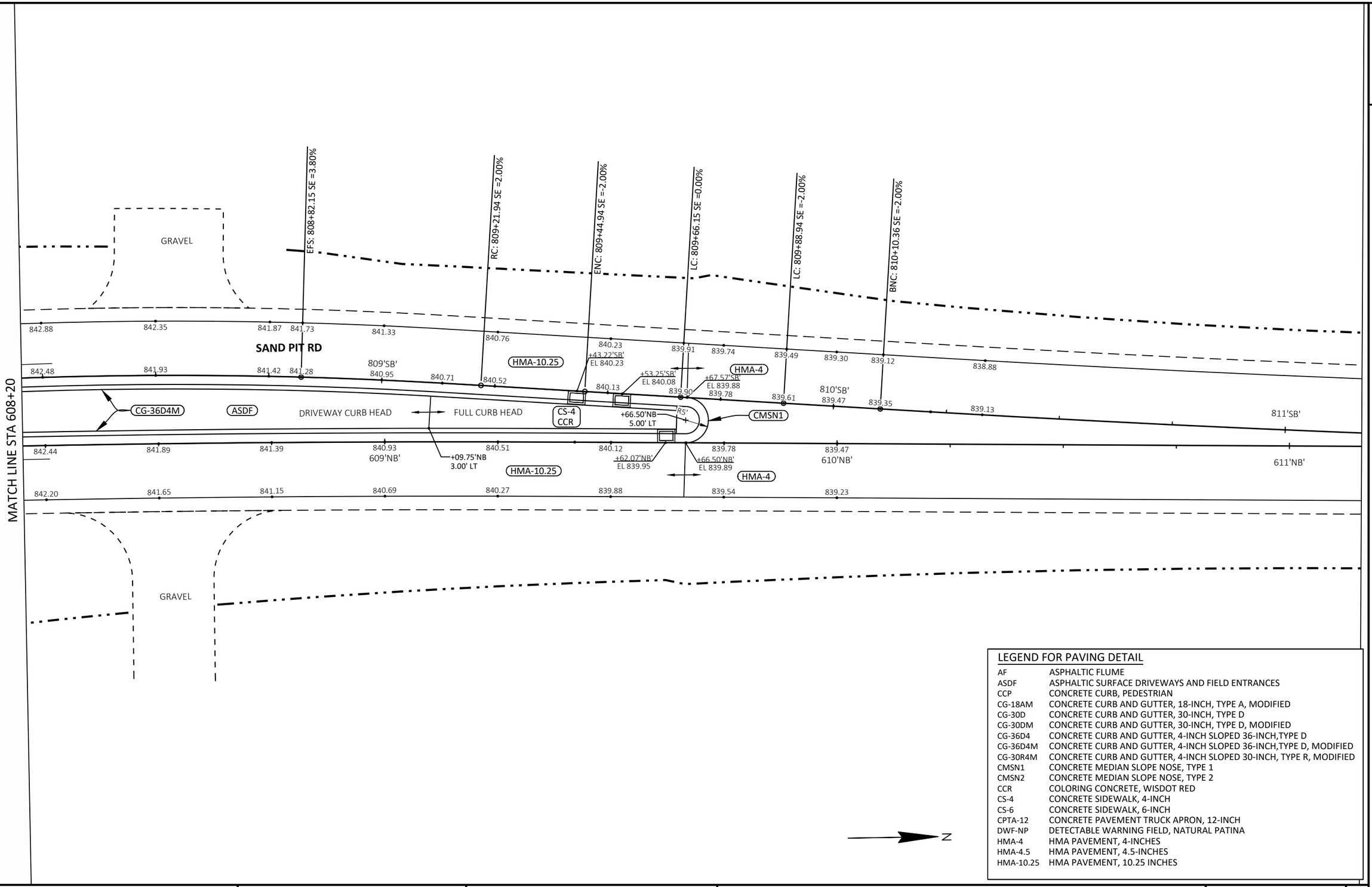


LEGEND FOR PAVING DETAIL

AF	ASPHALTIC FLUME
ASDF	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
CCP	CONCRETE CURB, PEDESTRIAN
CG-18AM	CONCRETE CURB AND GUTTER, 18-INCH, TYPE A, MODIFIED
CG-30D	CONCRETE CURB AND GUTTER, 30-INCH, TYPE D
CG-30DM	CONCRETE CURB AND GUTTER, 30-INCH, TYPE D, MODIFIED
CG-36D4	CONCRETE CURB AND GUTTER, 4-INCH SLOPED 36-INCH,TYPE D
CG-36D4M	CONCRETE CURB AND GUTTER, 4-INCH SLOPED 36-INCH,TYPE D, MODIFIED
CG-30R4M	CONCRETE CURB AND GUTTER, 4-INCH SLOPED 30-INCH, TYPE R, MODIFIED
CMSN1	CONCRETE MEDIAN SLOPE NOSE, TYPE 1
CMSN2	CONCRETE MEDIAN SLOPE NOSE, TYPE 2
CCR	COLORING CONCRETE, WISDOT RED
CS-4	CONCRETE SIDEWALK, 4-INCH
CS-6	CONCRETE SIDEWALK, 6-INCH
CPTA-12	CONCRETE PAVEMENT TRUCK APRON, 12-INCH
DWF-NP	DETECTABLE WARNING FIELD, NATURAL PATINA
HMA-4	HMA PAVEMENT, 4-INCHES
HMA-4.5	HMA PAVEMENT, 4.5-INCHES
HMA-10.25	HMA PAVEMENT, 10.25 INCHES

PROJECT NO: 6180-30-73	HWY: STH 21	COUNTY: WINNEBAGO	PAVING DETAILS - STH 21 & SAND PIT RD INTERSECTION	SHEET 37	E

2



LEGEND FOR PAVING DETAIL

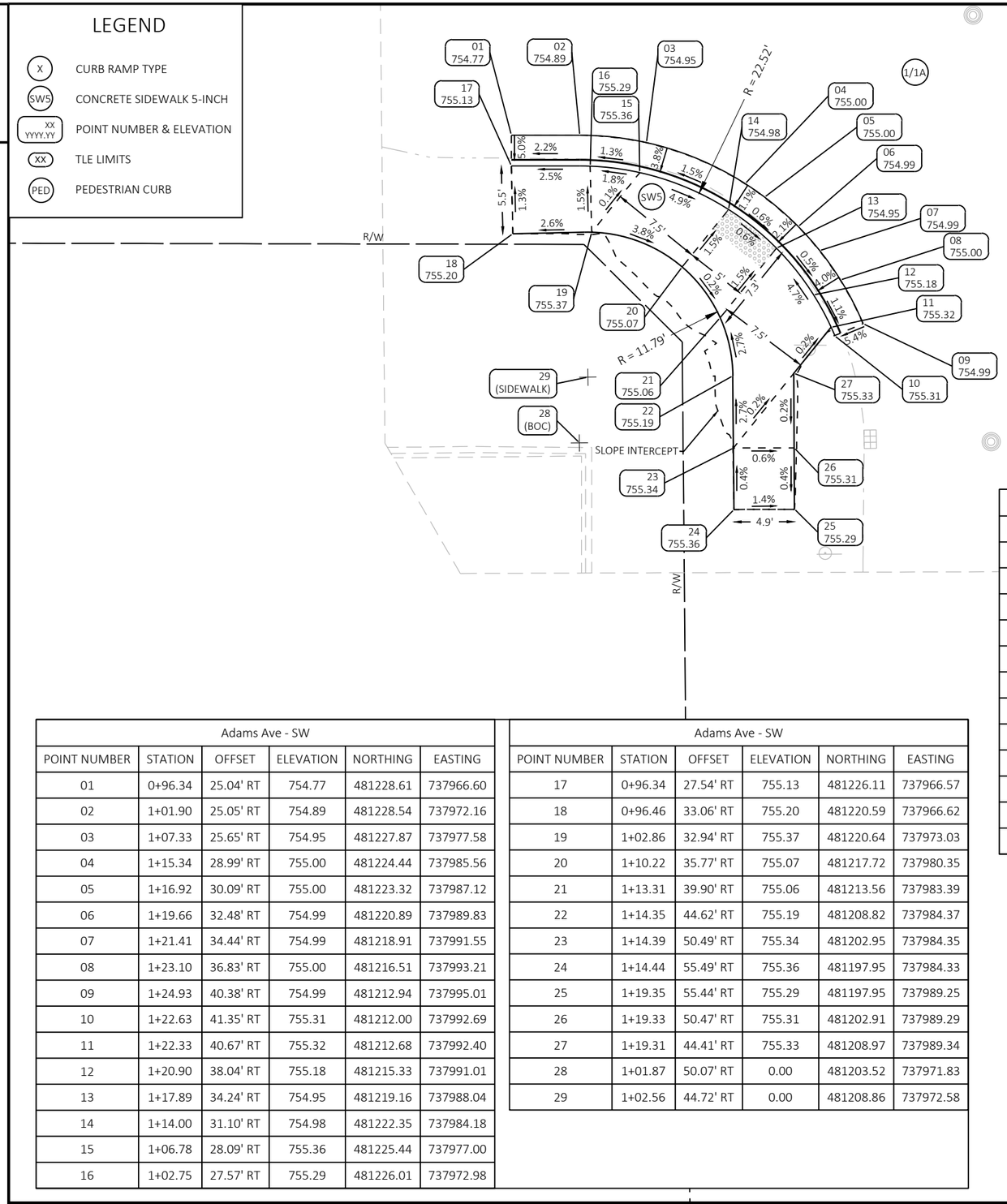
AF	ASPHALTIC FLUME
ASDF	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
CCP	CONCRETE CURB, PEDESTRIAN
CG-18AM	CONCRETE CURB AND GUTTER, 18-INCH, TYPE A, MODIFIED
CG-30D	CONCRETE CURB AND GUTTER, 30-INCH, TYPE D
CG-30DM	CONCRETE CURB AND GUTTER, 30-INCH, TYPE D, MODIFIED
CG-36D4	CONCRETE CURB AND GUTTER, 4-INCH SLOPED 36-INCH,TYPE D
CG-36D4M	CONCRETE CURB AND GUTTER, 4-INCH SLOPED 36-INCH,TYPE D, MODIFIED
CG-30R4M	CONCRETE CURB AND GUTTER, 4-INCH SLOPED 30-INCH, TYPE R, MODIFIED
CMSN1	CONCRETE MEDIAN SLOPE NOSE, TYPE 1
CMSN2	CONCRETE MEDIAN SLOPE NOSE, TYPE 2
CCR	COLORING CONCRETE, WISDOT RED
CS-4	CONCRETE SIDEWALK, 4-INCH
CS-6	CONCRETE SIDEWALK, 6-INCH
CPTA-12	CONCRETE PAVEMENT TRUCK APRON, 12-INCH
DWF-NP	DETECTABLE WARNING FIELD, NATURAL PATINA
HMA-4	HMA PAVEMENT, 4-INCHES
HMA-4.5	HMA PAVEMENT, 4.5-INCHES
HMA-10.25	HMA PAVEMENT, 10.25 INCHES

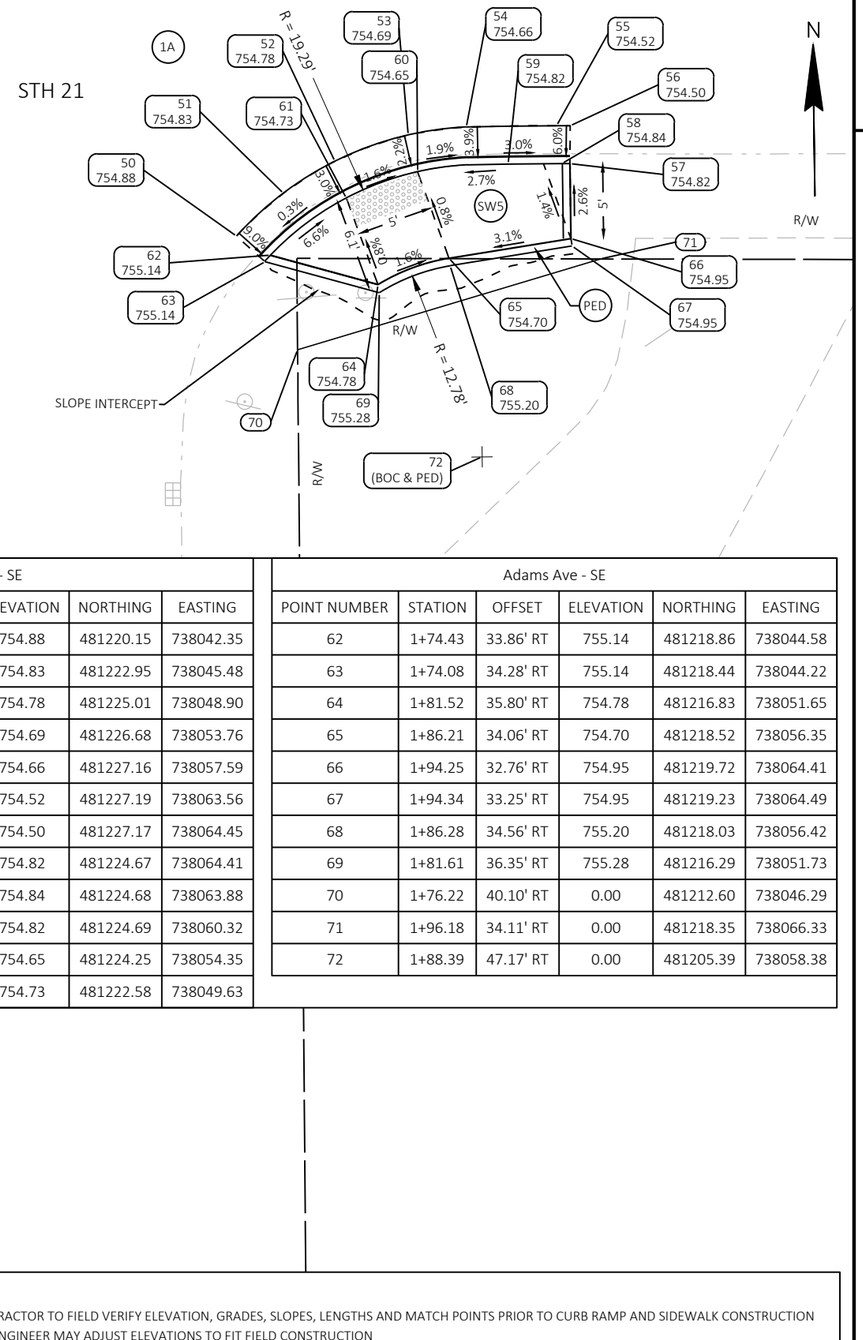
PROJECT NO: 6180-30-73	HWY: STH 21	COUNTY: WINNEBAGO	PAVING DETAILS - STH 21 & SAND PIT RD INTERSECTION	SHEET 38	E

FILE NAME : N:\3001091.00\CIVIL 3D\SHEETSPLAN\61803071-021200-PD.DWG
LAYOUT NAME - 61803071-021244-pd
PLOT DATE : 9/18/2025 11:35 AM PLOT BY : MATT TOMSOVIC PLOT NAME : PLOT SCALE : 1 IN:20 FT
WISDOT/CADDS SHEET 42

LEGEND

- X — CURB RAMP TYPE
- SW5 — CONCRETE SIDEWALK 5-INCH
- XX YYYY.YY — POINT NUMBER & ELEVATION
- XX — TLE LIMITS
- PED — PEDESTRIAN CURB





Adams Ave - SW					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
01	0+96.34	25.04' RT	754.77	481228.61	737966.60
02	1+01.90	25.05' RT	754.89	481228.54	737972.16
03	1+07.33	25.65' RT	754.95	481227.87	737977.58
04	1+15.34	28.99' RT	755.00	481224.44	737985.56
05	1+16.92	30.09' RT	755.00	481223.32	737987.12
06	1+19.66	32.48' RT	754.99	481220.89	737989.83
07	1+21.41	34.44' RT	754.99	481218.91	737991.55
08	1+23.10	36.83' RT	755.00	481216.51	737993.21
09	1+24.93	40.38' RT	754.99	481212.94	737995.01
10	1+22.63	41.35' RT	755.31	481212.00	737992.69
11	1+22.33	40.67' RT	755.32	481212.68	737992.40
12	1+20.90	38.04' RT	755.18	481215.33	737991.01
13	1+17.89	34.24' RT	754.95	481219.16	737988.04
14	1+14.00	31.10' RT	754.98	481222.35	737984.18
15	1+06.78	28.09' RT	755.36	481225.44	737977.00
16	1+02.75	27.57' RT	755.29	481226.01	737972.98

Adams Ave - SW					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
17	0+96.34	27.54' RT	755.13	481226.11	737966.57
18	0+96.46	33.06' RT	755.20	481220.59	737966.62
19	1+02.86	32.94' RT	755.37	481220.64	737973.03
20	1+10.22	35.77' RT	755.07	481217.72	737980.35
21	1+13.31	39.90' RT	755.06	481213.56	737983.39
22	1+14.35	44.62' RT	755.19	481208.82	737984.37
23	1+14.39	50.49' RT	755.34	481202.95	737984.35
24	1+14.44	55.49' RT	755.36	481197.95	737984.33
25	1+19.35	55.44' RT	755.29	481197.95	737989.25
26	1+19.33	50.47' RT	755.31	481202.91	737989.29
27	1+19.31	44.41' RT	755.33	481208.97	737989.34
28	1+01.87	50.07' RT	0.00	481203.52	737971.83
29	1+02.56	44.72' RT	0.00	481208.86	737972.58

Adams Ave - SE					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
50	1+72.19	32.60' RT	754.88	481220.15	738042.35
51	1+75.28	29.77' RT	754.83	481222.95	738045.48
52	1+78.68	27.66' RT	754.78	481225.01	738048.90
53	1+83.52	25.93' RT	754.69	481226.68	738053.76
54	1+87.34	25.41' RT	754.66	481227.16	738057.59
55	1+93.31	25.31' RT	754.52	481227.19	738063.56
56	1+94.20	25.31' RT	754.50	481227.17	738064.45
57	1+94.19	27.81' RT	754.82	481224.67	738064.41
58	1+93.66	27.81' RT	754.84	481224.68	738063.88
59	1+90.10	27.85' RT	754.82	481224.69	738060.32
60	1+84.13	28.36' RT	754.65	481224.25	738054.35
61	1+79.44	30.08' RT	754.73	481222.58	738049.63

Adams Ave - SE					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
62	1+74.43	33.86' RT	755.14	481218.86	738044.58
63	1+74.08	34.28' RT	755.14	481218.44	738044.22
64	1+81.52	35.80' RT	754.78	481216.83	738051.65
65	1+86.21	34.06' RT	754.70	481218.52	738056.35
66	1+94.25	32.76' RT	754.95	481219.72	738064.41
67	1+94.34	33.25' RT	754.95	481219.23	738064.49
68	1+86.28	34.56' RT	755.20	481218.03	738056.42
69	1+81.61	36.35' RT	755.28	481216.29	738051.73
70	1+76.22	40.10' RT	0.00	481212.60	738046.29
71	1+96.18	34.11' RT	0.00	481218.35	738066.33
72	1+88.39	47.17' RT	0.00	481205.39	738058.38

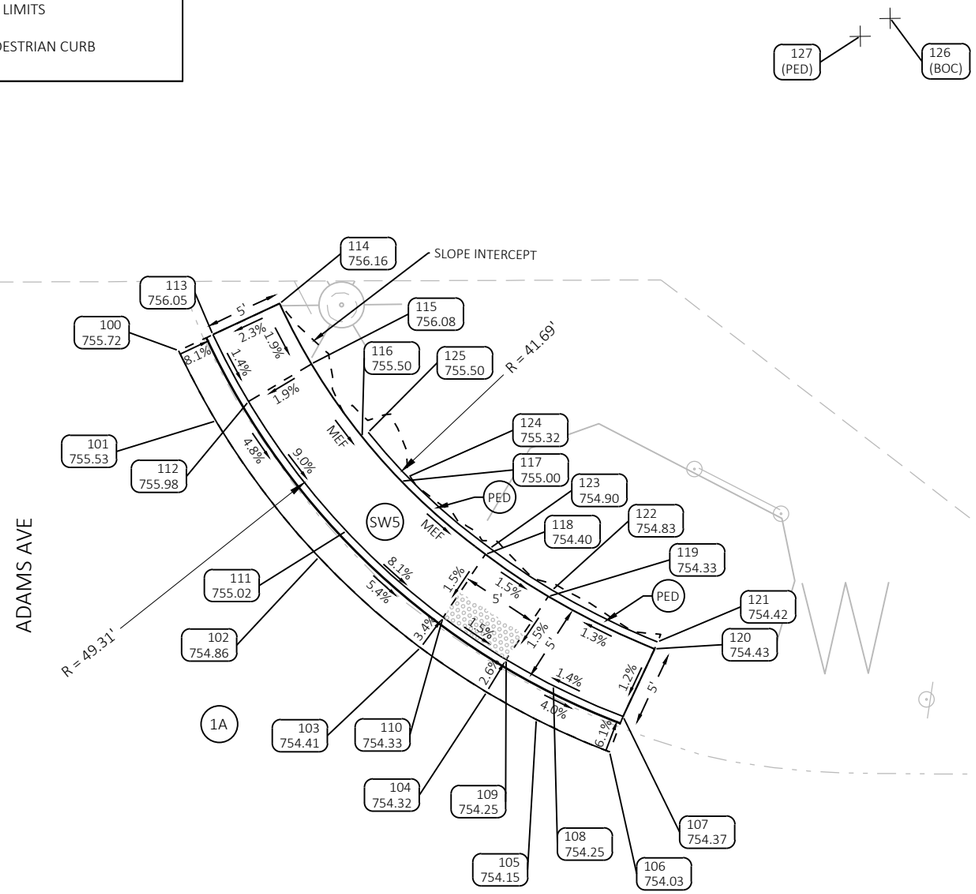
NOTES:

1. CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION
2. THE ENGINEER MAY ADJUST ELEVATIONS TO FIT FIELD CONSTRUCTION
3. DASHED LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATION ONLY AND DO NOT INDICATE JOINT LOCATIONS
4. SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS
5. ALL STATION AND OFFET INFORMATION REFERENCE STH 21 R/L

2

LEGEND

- X — CURB RAMP TYPE
- SW5 — CONCRETE SIDEWALK 5-INCH
- XX YYYY.YY — POINT NUMBER & ELEVATION
- XX — TLE LIMITS
- PED — PEDESTRIAN CURB



Adams Ave - NE					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
100	1+68.21	54.99' LT	755.72	481307.78	738039.42
101	1+70.67	50.35' LT	755.53	481303.11	738041.82
102	1+77.45	41.37' LT	754.86	481294.05	738048.50
103	1+84.16	35.39' LT	754.41	481287.99	738055.14
104	1+88.53	32.46' LT	754.32	481285.01	738059.47
105	1+91.80	30.66' LT	754.15	481283.17	738062.72
106	1+96.64	28.52' LT	754.03	481280.98	738067.53
107	1+97.53	30.86' LT	754.37	481283.30	738068.45
108	1+92.93	32.89' LT	754.25	481285.39	738063.88
109	1+89.81	34.61' LT	754.25	481287.14	738060.78
110	1+85.66	37.39' LT	754.33	481289.98	738056.66
111	1+79.27	43.09' LT	755.02	481295.75	738050.34
112	1+72.81	51.63' LT	755.98	481304.37	738043.98
113	1+70.47	56.05' LT	756.05	481308.81	738041.70
114	1+74.86	58.10' LT	756.16	481310.81	738046.11
115	1+76.96	54.11' LT	756.08	481306.80	738048.16
116	1+80.31	49.30' LT	755.50	481301.94	738051.45
117	1+82.90	46.37' LT	755.00	481298.99	738054.00
118	1+88.45	41.55' LT	754.40	481294.10	738059.50
119	1+92.60	38.77' LT	754.33	481291.27	738063.62
120	1+99.61	35.31' LT	754.43	481287.73	738070.59
121	1+99.81	35.77' LT	754.42	481288.19	738070.79
122	1+92.86	39.20' LT	754.83	481291.70	738063.88
123	1+88.75	41.95' LT	754.90	481294.50	738059.80
124	1+83.32	46.65' LT	755.32	481299.26	738054.43
125	1+80.71	49.60' LT	755.50	481302.24	738051.86
126	2+15.15	76.91' LT	0.00	481329.14	738086.62
127	2+13.19	75.73' LT	0.00	481327.99	738084.64

N

2

STH 21

1+50 1+75 2+00 2+25

NOTES:

1. CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION
2. THE ENGINEER MAY ADJUST ELEVATIONS TO FIT FIELD CONSTRUCTION
3. DASHED LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATION ONLY AND DO NOT INDICATE JOINT LOCATIONS
4. SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS
5. ALL STATION AND OFFET INFORMATION REFERENCE STH 21 R/L

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	CURB RAMP DETAILS - ADAMS AVE NE	SHEET 40	E

FILE NAME : N:\PDS\C3D\61803000\SHEETSPLAN\023101-CR.DWG
LAYOUT NAME - 02-Adams-NE

PLOT DATE : 9/22/2025 9:27 AM PLOT BY : DANKE, ERIC A PLOT NAME : PLOT SCALE : 1 IN:10 FT

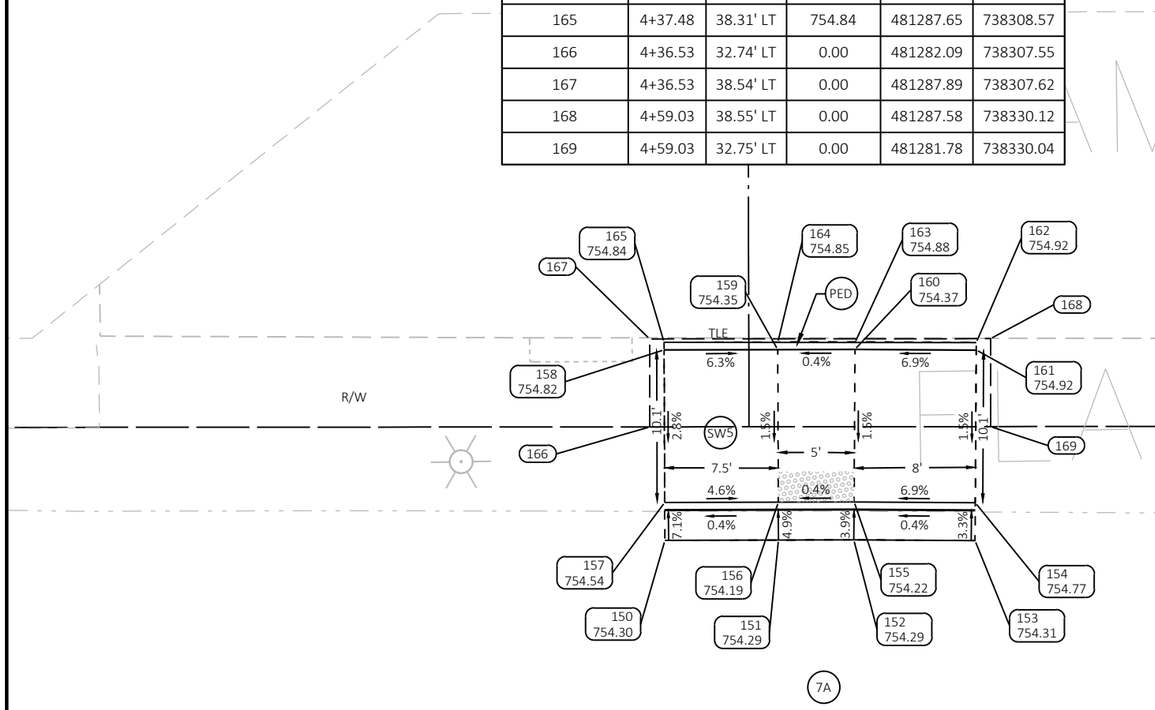
2

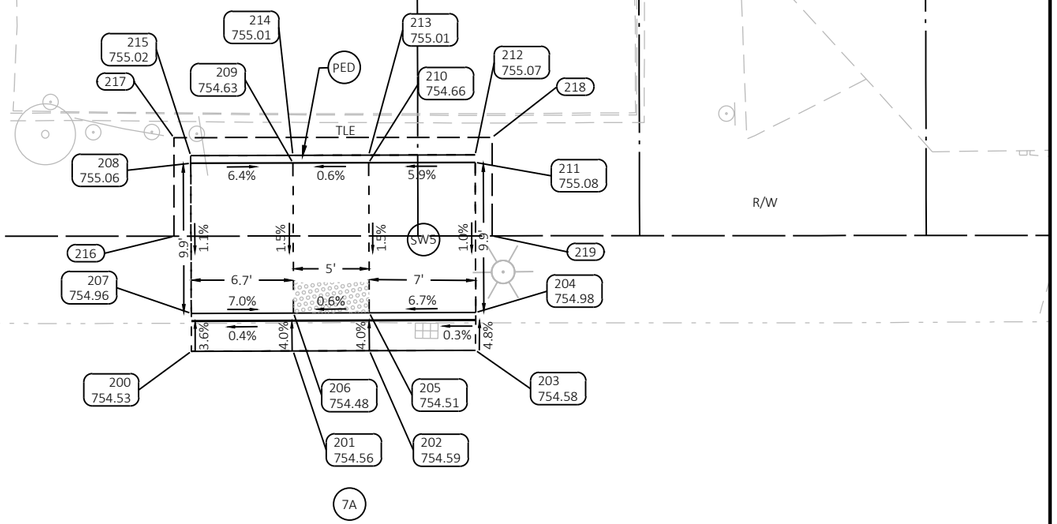
LEGEND

- (X) CURB RAMP TYPE
- (SW5) CONCRETE SIDEWALK 5-INCH
- (XX YYYY.YY) POINT NUMBER & ELEVATION
- (XX) TLE LIMITS
- (PED) PEDESTRIAN CURB

Jefferson Ave - NW					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
150	4+37.52	25.24' LT	754.30	481274.58	738308.43
151	4+45.02	25.27' LT	754.29	481274.50	738315.93
152	4+50.00	25.28' LT	754.29	481274.44	738320.90
153	4+58.00	25.23' LT	754.31	481274.27	738328.90
154	4+58.02	27.73' LT	754.77	481276.77	738328.95
155	4+50.02	27.78' LT	754.22	481276.94	738320.96
156	4+45.02	27.77' LT	754.19	481277.00	738315.96
157	4+37.52	27.74' LT	754.54	481277.08	738308.46
158	4+37.48	37.81' LT	754.82	481287.15	738308.57
159	4+44.98	37.84' LT	754.35	481287.07	738316.07
160	4+50.08	37.85' LT	754.37	481287.01	738321.17
161	4+58.08	37.80' LT	754.92	481286.84	738329.16
162	4+58.08	38.30' LT	754.92	481287.34	738329.17
163	4+50.08	38.31' LT	754.88	481287.46	738321.17
164	4+44.98	38.31' LT	754.85	481287.54	738316.07
165	4+37.48	38.31' LT	754.84	481287.65	738308.57
166	4+36.53	32.74' LT	0.00	481282.09	738307.55
167	4+36.53	38.54' LT	0.00	481287.89	738307.62
168	4+59.03	38.55' LT	0.00	481287.58	738330.12
169	4+59.03	32.75' LT	0.00	481281.78	738330.04

Jefferson Ave - NE					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
200	4+94.91	25.19' LT	754.53	481273.68	738365.81
201	5+01.63	25.21' LT	754.56	481273.61	738372.52
202	5+06.66	25.23' LT	754.59	481273.55	738377.55
203	5+13.66	25.24' LT	754.58	481273.46	738384.56
204	5+13.68	27.74' LT	754.98	481275.96	738384.61
205	5+06.65	27.73' LT	754.51	481276.05	738377.58
206	5+01.65	27.71' LT	754.48	481276.11	738372.58
207	4+94.90	27.69' LT	754.96	481276.18	738365.84
208	4+94.87	37.59' LT	755.06	481286.09	738365.95
209	5+01.62	37.61' LT	754.63	481286.01	738372.69
210	5+06.62	37.63' LT	754.66	481285.95	738377.69
211	5+13.64	37.65' LT	755.08	481285.87	738384.72
212	5+13.64	38.15' LT	755.07	481286.37	738384.72
213	5+06.61	38.13' LT	755.01	481286.45	738377.70
214	5+01.61	38.11' LT	755.01	481286.51	738372.70
215	4+94.87	38.09' LT	755.02	481286.59	738365.95
216	4+93.76	32.78' LT	0.00	481281.30	738364.77
217	4+93.76	39.28' LT	0.00	481287.80	738364.86
218	5+14.76	39.30' LT	0.00	481287.50	738385.86
219	5+14.76	32.80' LT	0.00	481281.00	738385.77





STH 21

NOTES:

1. CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION
2. THE ENGINEER MAY ADJUST ELEVATIONS TO FIT FIELD CONSTRUCTION
3. DASHED LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATION ONLY AND DO NOT INDICATE JOINT LOCATIONS
4. SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS
5. ALL STATION AND OFFET INFORMATION REFERENCE STH 21 R/L

4+00 4+25 4+50 4+75 5+00 5+25 5+50

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	CURB RAMP DETAILS - JEFFERSON AVE NW/NE	SHEET 41	E

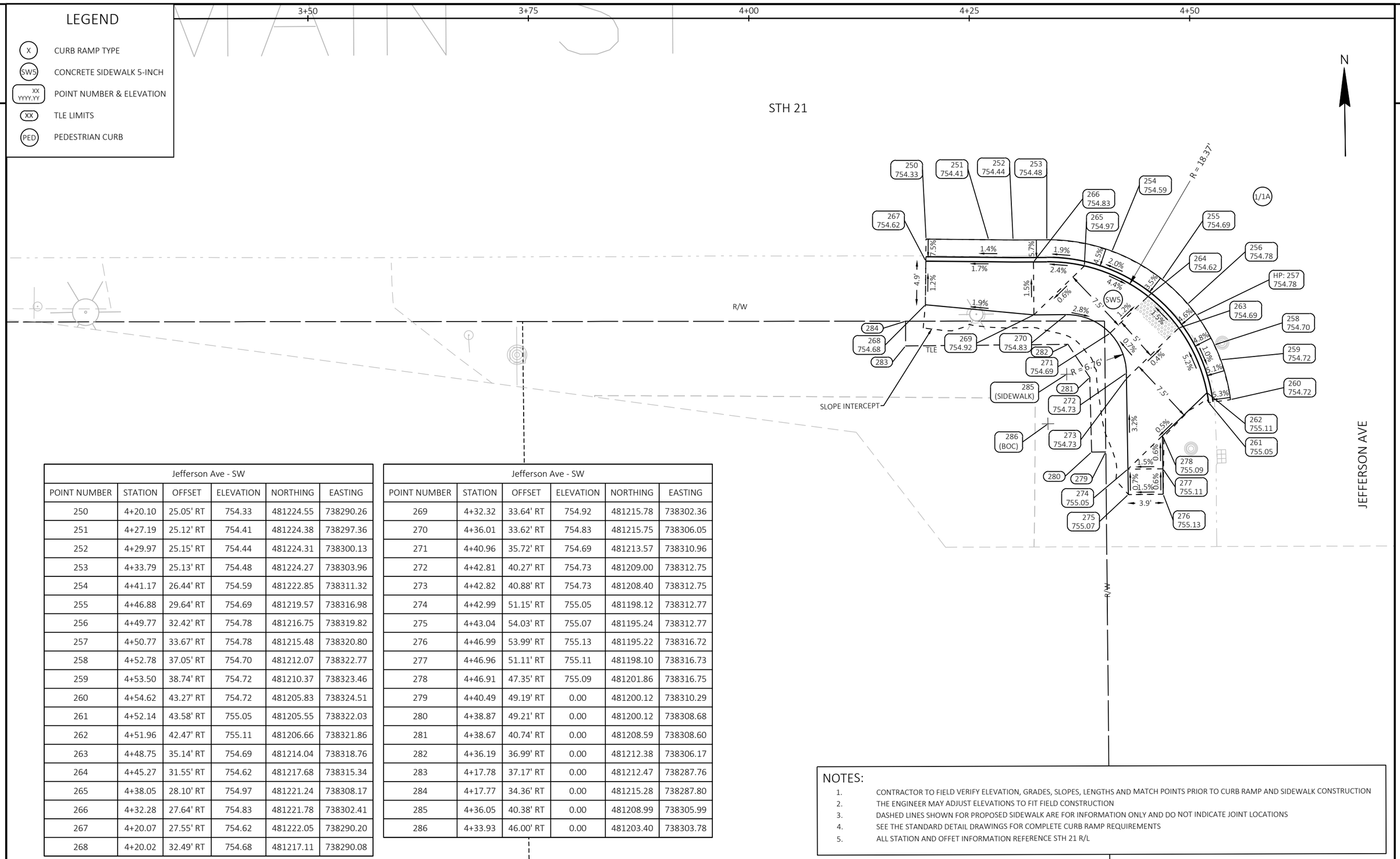
FILE NAME : N:\PDS\C3D\61803000\SHEETSPLAN\023101-CR.DWG
LAYOUT NAME - 03-Jefferson-NW-NE

PLOT DATE : 9/22/2025 9:28 AM PLOT BY : DANKE, ERIC A PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 42

LEGEND

- (X) CURB RAMP TYPE
- (SW5) CONCRETE SIDEWALK 5-INCH
- (XX YYYY.YY) POINT NUMBER & ELEVATION
- (XX) TLE LIMITS
- (PED) PEDESTRIAN CURB



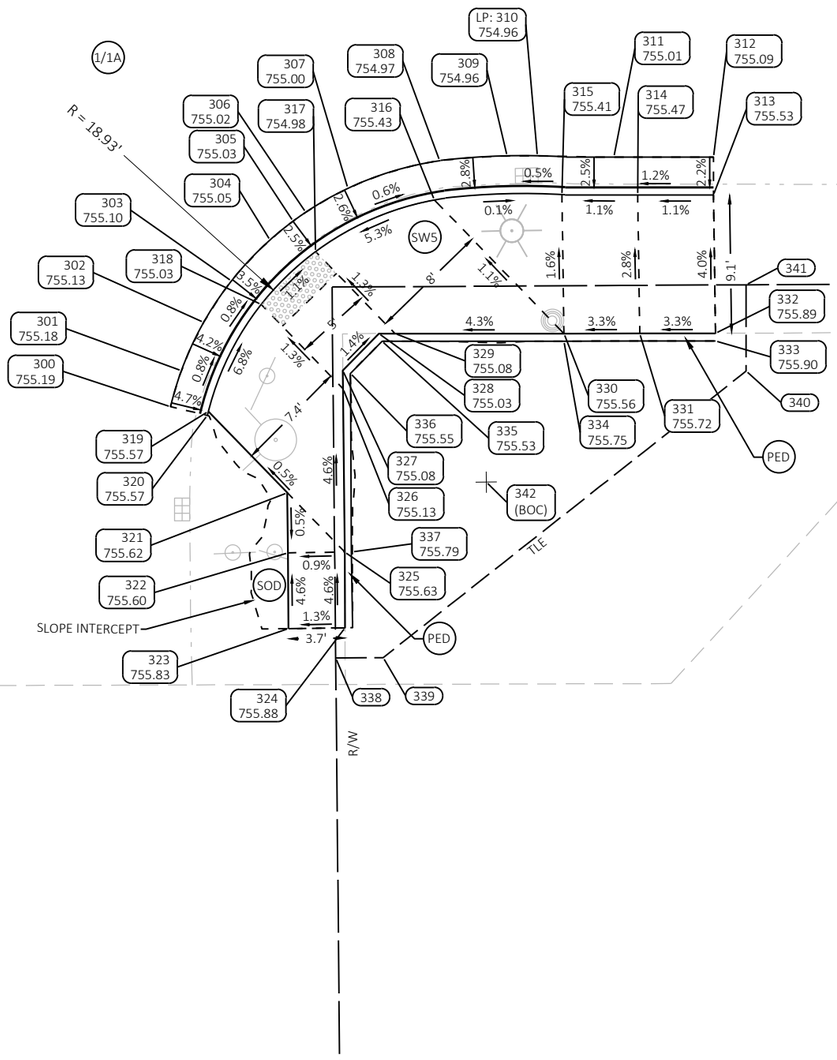
Jefferson Ave - SW					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
250	4+20.10	25.05' RT	754.33	481224.55	738290.26
251	4+27.19	25.12' RT	754.41	481224.38	738297.36
252	4+29.97	25.15' RT	754.44	481224.31	738300.13
253	4+33.79	25.13' RT	754.48	481224.27	738303.96
254	4+41.17	26.44' RT	754.59	481222.85	738311.32
255	4+46.88	29.64' RT	754.69	481219.57	738316.98
256	4+49.77	32.42' RT	754.78	481216.75	738319.82
257	4+50.77	33.67' RT	754.78	481215.48	738320.80
258	4+52.78	37.05' RT	754.70	481212.07	738322.77
259	4+53.50	38.74' RT	754.72	481210.37	738323.46
260	4+54.62	43.27' RT	754.72	481205.83	738324.51
261	4+52.14	43.58' RT	755.05	481205.55	738322.03
262	4+51.96	42.47' RT	755.11	481206.66	738321.86
263	4+48.75	35.14' RT	754.69	481214.04	738318.76
264	4+45.27	31.55' RT	754.62	481217.68	738315.34
265	4+38.05	28.10' RT	754.97	481221.24	738308.17
266	4+32.28	27.64' RT	754.83	481221.78	738302.41
267	4+20.07	27.55' RT	754.62	481222.05	738290.20
268	4+20.02	32.49' RT	754.68	481217.11	738290.08

Jefferson Ave - SW					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
269	4+32.32	33.64' RT	754.92	481215.78	738302.36
270	4+36.01	33.62' RT	754.83	481215.75	738306.05
271	4+40.96	35.72' RT	754.69	481213.57	738310.96
272	4+42.81	40.27' RT	754.73	481209.00	738312.75
273	4+42.82	40.88' RT	754.73	481208.40	738312.75
274	4+42.99	51.15' RT	755.05	481198.12	738312.77
275	4+43.04	54.03' RT	755.07	481195.24	738312.77
276	4+46.99	53.99' RT	755.13	481195.22	738316.72
277	4+46.96	51.11' RT	755.11	481198.10	738316.73
278	4+46.91	47.35' RT	755.09	481201.86	738316.75
279	4+40.49	49.19' RT	0.00	481200.12	738310.29
280	4+38.87	49.21' RT	0.00	481200.12	738308.68
281	4+38.67	40.74' RT	0.00	481208.59	738308.60
282	4+36.19	36.99' RT	0.00	481212.38	738306.17
283	4+17.78	37.17' RT	0.00	481212.47	738287.76
284	4+17.77	34.36' RT	0.00	481215.28	738287.80
285	4+36.05	40.38' RT	0.00	481208.99	738305.99
286	4+33.93	46.00' RT	0.00	481203.40	738303.78

NOTES:

1. CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION
2. THE ENGINEER MAY ADJUST ELEVATIONS TO FIT FIELD CONSTRUCTION
3. DASHED LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATION ONLY AND DO NOT INDICATE JOINT LOCATIONS
4. SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS
5. ALL STATION AND OFFET INFORMATION REFERENCE STH 21 R/L

STH 21



LEGEND

- X — CURB RAMP TYPE
- SW5 — CONCRETE SIDEWALK 5-INCH
- XX YYYY.YY — POINT NUMBER & ELEVATION
- XX — TLE LIMITS
- PED — PEDESTRIAN CURB

N

Jefferson Ave - SE					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
300	4+95.68	41.44' RT	755.19	481207.05	738365.59
301	4+96.39	39.07' RT	755.18	481209.41	738366.34
302	4+97.86	35.87' RT	755.13	481212.59	738367.86
303	4+99.70	33.14' RT	755.10	481215.29	738369.73
304	5+02.23	30.45' RT	755.05	481217.95	738372.31
305	5+03.76	29.20' RT	755.03	481219.17	738373.85
306	5+04.60	28.61' RT	755.02	481219.75	738374.70
307	5+07.38	27.03' RT	755.00	481221.29	738377.51
308	5+13.44	25.21' RT	754.97	481223.02	738383.59
309	5+17.88	24.90' RT	754.96	481223.27	738388.04
310	5+19.88	24.89' RT	754.96	481223.24	738390.03
311	5+24.93	24.97' RT	755.01	481223.09	738395.09
312	5+31.51	24.97' RT	755.09	481222.99	738401.66
313	5+31.51	27.49' RT	755.53	481220.48	738401.62
314	5+26.51	27.47' RT	755.47	481220.57	738396.63
315	5+21.51	27.46' RT	755.41	481220.65	738391.63
316	5+13.09	27.80' RT	755.43	481220.44	738383.20
317	5+05.25	31.21' RT	754.98	481217.14	738375.31
318	5+01.66	34.69' RT	755.03	481213.71	738371.67
319	4+98.17	41.75' RT	755.57	481206.70	738368.08
320	4+98.11	42.02' RT	755.57	481206.44	738368.01
321	5+03.38	47.12' RT	755.62	481201.26	738373.21

Jefferson Ave - SE					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
322	5+03.43	51.08' RT	755.60	481197.29	738373.20
323	5+03.46	56.08' RT	755.83	481192.29	738373.16
324	5+07.20	56.03' RT	755.88	481192.30	738376.90
325	5+07.17	51.03' RT	755.63	481197.30	738376.94
326	5+07.06	40.25' RT	755.13	481208.07	738376.99
327	5+07.05	39.05' RT	755.08	481209.28	738376.99
328	5+09.42	36.61' RT	755.03	481211.68	738379.41
329	5+10.49	36.61' RT	755.08	481211.66	738380.48
330	5+21.64	36.62' RT	755.56	481211.49	738391.62
331	5+26.64	36.61' RT	755.72	481211.43	738396.63
332	5+31.64	36.60' RT	755.89	481211.37	738401.62
333	5+31.64	37.10' RT	755.90	481210.87	738401.62
334	5+21.64	37.12' RT	755.75	481210.99	738391.62
335	5+09.63	37.11' RT	755.53	481211.17	738379.61
336	5+07.55	39.25' RT	755.55	481209.07	738377.49
337	5+07.67	51.02' RT	755.79	481197.30	738377.44
338	5+06.57	58.03' RT	0.00	481190.31	738376.24
339	5+09.71	57.99' RT	0.00	481190.29	738379.38
340	5+33.66	39.09' RT	0.00	481208.84	738403.61
341	5+33.67	33.40' RT	0.00	481214.53	738403.70
342	5+16.52	46.41' RT	0.00	481201.77	738386.36

NOTES:

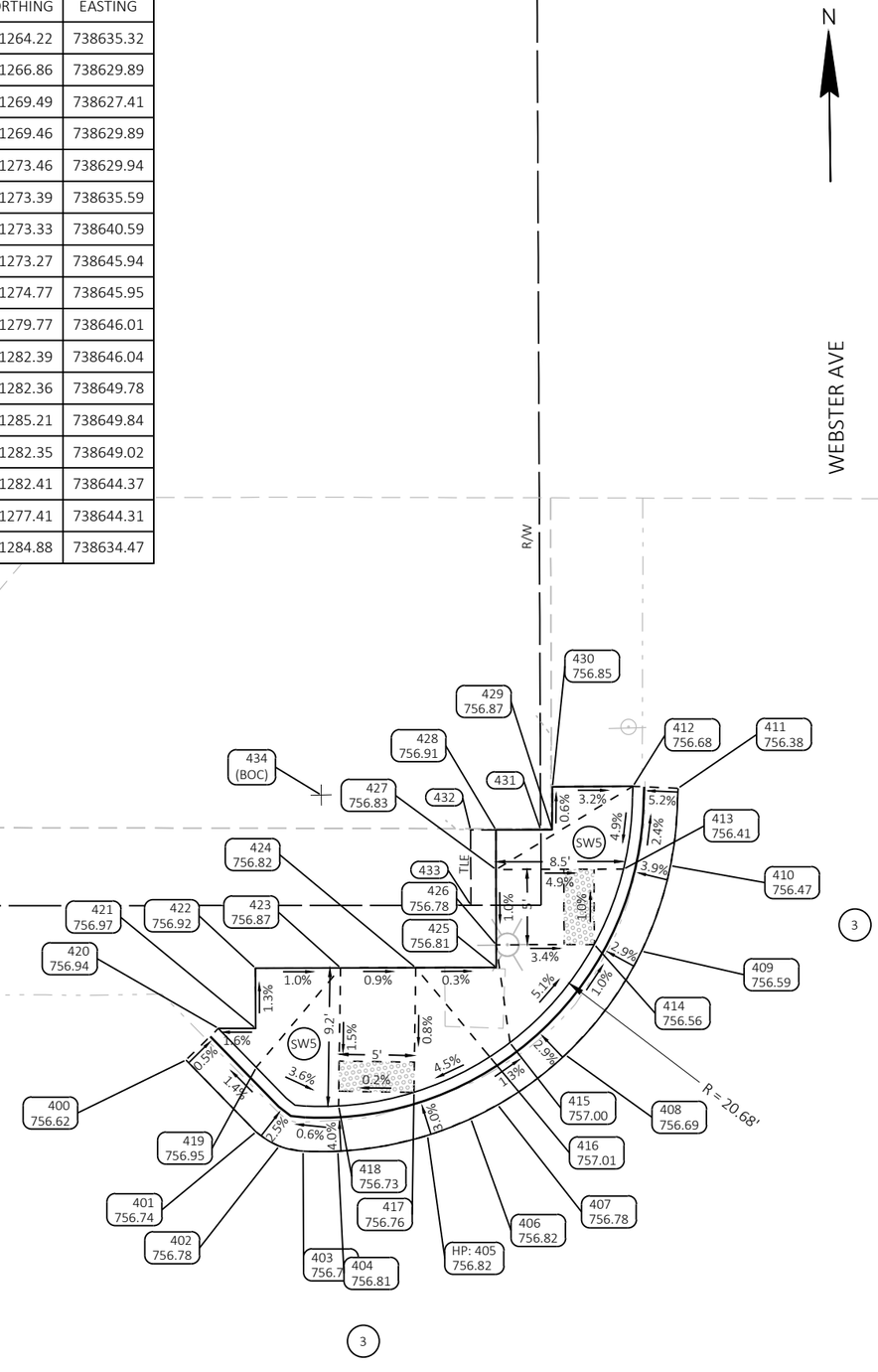
1. CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION
2. THE ENGINEER MAY ADJUST ELEVATIONS TO FIT FIELD CONSTRUCTION
3. DASHED LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATION ONLY AND DO NOT INDICATE JOINT LOCATIONS
4. SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS
5. ALL STATION AND OFFET INFORMATION REFERENCE STH 21 R/L

LEGEND

- (X) CURB RAMP TYPE
- (SW5) CONCRETE SIDEWALK 5-INCH
- (XX YYYY.YY) POINT NUMBER & ELEVATION
- (XX) TLE LIMITS
- (PED) PEDESTRIAN CURB

Webster Ave - NW					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
400	7+54.40	22.75' LT	756.62	481267.42	738625.23
401	7+59.05	17.97' LT	756.74	481262.58	738629.81
402	7+60.58	17.03' LT	756.78	481261.62	738631.33
403	7+62.18	16.69' LT	756.79	481261.25	738632.93
404	7+64.49	16.69' LT	756.81	481261.22	738635.23
405	7+70.44	17.74' LT	756.82	481262.18	738641.20
406	7+73.32	18.85' LT	756.82	481263.24	738644.09
407	7+75.10	19.77' LT	756.78	481264.14	738645.88
408	7+79.60	23.09' LT	756.69	481267.40	738650.44
409	7+84.67	29.98' LT	756.59	481274.21	738655.61
410	7+86.59	35.65' LT	756.47	481279.85	738657.61
411	7+87.09	40.79' LT	756.38	481284.98	738658.19
412	7+84.10	40.92' LT	756.68	481285.16	738655.19
413	7+83.47	35.42' LT	756.41	481279.67	738654.48
414	7+81.52	30.42' LT	756.56	481274.69	738652.47
415	7+75.92	23.90' LT	757.00	481268.26	738646.77
416	7+74.58	22.96' LT	757.01	481267.34	738645.41
417	7+69.55	20.60' LT	756.76	481265.05	738640.35

Webster Ave - NW					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
418	7+64.53	19.69' LT	756.73	481264.22	738635.32
419	7+59.07	22.26' LT	756.95	481266.86	738629.89
420	7+56.55	24.84' LT	756.94	481269.49	738627.41
421	7+59.03	24.85' LT	756.97	481269.46	738629.89
422	7+59.02	28.85' LT	756.92	481273.46	738629.94
423	7+64.66	28.87' LT	756.87	481273.39	738635.59
424	7+69.67	28.88' LT	756.82	481273.33	738640.59
425	7+75.02	28.90' LT	756.81	481273.27	738645.94
426	7+75.01	30.40' LT	756.78	481274.77	738645.95
427	7+75.00	35.40' LT	756.83	481279.77	738646.01
428	7+74.99	38.02' LT	756.91	481282.39	738646.04
429	7+78.73	38.04' LT	756.87	481282.36	738649.78
430	7+78.75	40.89' LT	756.85	481285.21	738649.84
431	7+77.97	38.02' LT	756.88	481282.35	738649.02
432	7+73.31	38.02' LT	0.00	481282.41	738644.37
433	7+73.33	33.02' LT	0.00	481277.41	738644.31
434	7+63.38	40.34' LT	0.00	481284.88	738634.47



NOTES:

1. CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION
2. THE ENGINEER MAY ADJUST ELEVATIONS TO FIT FIELD CONSTRUCTION
3. DASHED LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATION ONLY AND DO NOT INDICATE JOINT LOCATIONS
4. SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS
5. ALL STATION AND OFFET INFORMATION REFERENCE STH 21 R/L

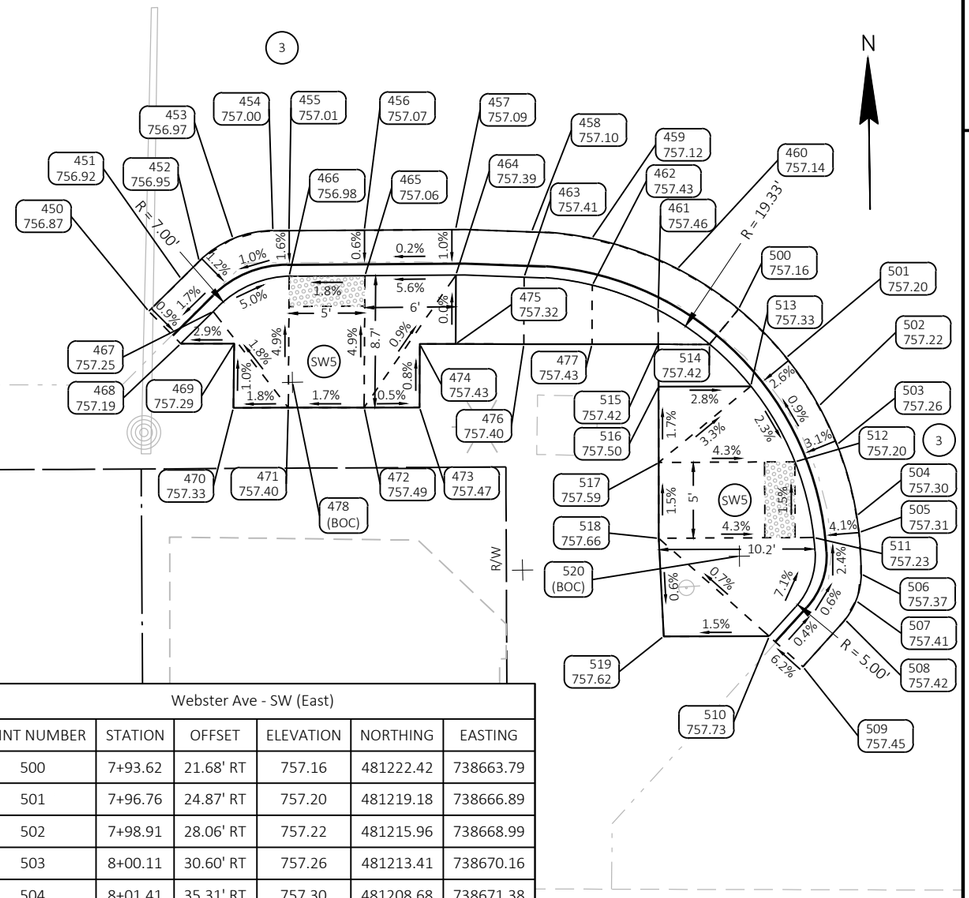
PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	CURB RAMP DETAILS - WEBSTER AVE NW	SHEET 44	E

LEGEND

- (X) CURB RAMP TYPE
- (SW5) CONCRETE SIDEWALK 5-INCH
- (XX YYYY.YY) POINT NUMBER & ELEVATION
- (XX) TLE LIMITS
- (PED) PEDESTRIAN CURB

6+75 7+00 7+25 7+50 7+75 8+00

STH 21



Webster Ave - SW (North)					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
450	7+54.70	21.80' RT	756.87	481222.87	738624.88
451	7+56.85	19.68' RT	756.92	481224.96	738627.06
452	7+58.03	18.52' RT	756.95	481226.11	738628.26
453	7+60.27	17.04' RT	756.97	481227.56	738630.51
454	7+62.90	16.50' RT	757.00	481228.05	738633.15
455	7+63.95	16.50' RT	757.01	481228.04	738634.20
456	7+68.92	16.46' RT	757.07	481228.00	738639.18
457	7+74.95	16.42' RT	757.09	481227.95	738645.20
458	7+79.97	16.57' RT	757.10	481227.73	738650.22
459	7+83.94	17.02' RT	757.12	481227.22	738654.18
460	7+89.58	19.02' RT	757.14	481225.14	738659.79
461	7+88.31	21.74' RT	757.46	481222.44	738658.49
462	7+83.97	20.10' RT	757.43	481224.14	738654.16
463	7+79.47	19.56' RT	757.41	481224.75	738649.67
464	7+74.97	19.42' RT	757.39	481224.95	738645.18
465	7+68.97	19.46' RT	757.06	481225.00	738639.18
466	7+63.97	19.50' RT	756.98	481225.04	738634.18
467	7+58.95	21.82' RT	757.25	481222.79	738629.13
468	7+56.81	23.94' RT	757.19	481220.71	738626.95
469	7+60.34	23.94' RT	757.29	481220.65	738630.49
470	7+60.29	28.18' RT	757.33	481216.42	738630.37
471	7+63.91	28.17' RT	757.40	481216.37	738633.99

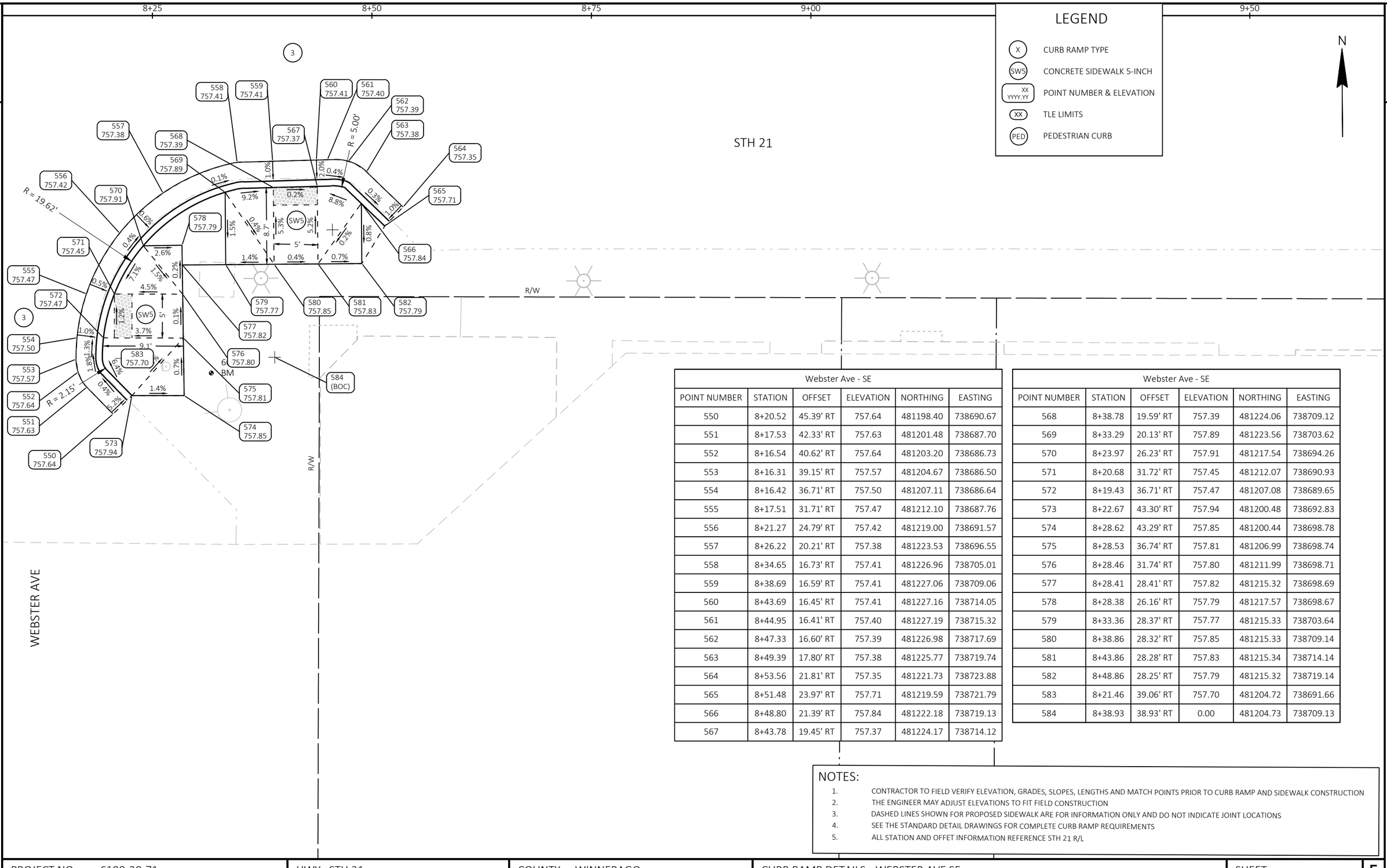
Webster Ave - SW (North)					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
472	7+68.91	28.16' RT	757.49	481216.31	738638.99
473	7+72.57	28.15' RT	757.47	481216.27	738642.65
474	7+72.59	23.96' RT	757.43	481220.45	738642.73
475	7+74.96	23.97' RT	757.32	481220.41	738645.10
476	7+79.46	23.97' RT	757.40	481220.34	738649.60
477	7+83.96	23.98' RT	757.43	481220.27	738654.10
478	7+64.18	26.50' RT	757.32	481218.04	738634.29

Webster Ave - SW (East)					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
500	7+93.62	21.68' RT	757.16	481222.42	738663.79
501	7+96.76	24.87' RT	757.20	481219.18	738666.89
502	7+98.91	28.06' RT	757.22	481215.96	738668.99
503	8+00.11	30.60' RT	757.26	481213.41	738670.16
504	8+01.41	35.31' RT	757.30	481208.68	738671.38
505	8+01.57	36.40' RT	757.31	481207.58	738671.52
506	8+01.70	39.14' RT	757.37	481204.85	738671.62
507	8+01.36	40.90' RT	757.41	481203.09	738671.25
508	8+00.65	42.16' RT	757.42	481201.84	738670.52
509	7+97.88	45.25' RT	757.45	481198.79	738667.70
510	7+95.65	43.25' RT	757.73	481200.83	738665.50
511	7+98.59	36.73' RT	757.23	481207.30	738668.54
512	7+97.34	31.74' RT	757.20	481212.31	738667.36
513	7+94.43	26.75' RT	757.33	481217.34	738664.53
514	7+91.70	23.99' RT	757.42	481220.14	738661.84
515	7+88.32	23.99' RT	757.42	481220.19	738658.46
516	7+88.36	26.76' RT	757.50	481217.42	738658.46
517	7+88.38	31.78' RT	757.59	481212.40	738658.41
518	7+88.36	36.78' RT	757.66	481207.40	738658.31
519	7+88.69	43.25' RT	757.62	481200.93	738658.55
520	7+93.68	37.96' RT	757.51	481206.14	738663.61

NOTES:

1. CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION
2. THE ENGINEER MAY ADJUST ELEVATIONS TO FIT FIELD CONSTRUCTION
3. DASHED LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATION ONLY AND DO NOT INDICATE JOINT LOCATIONS
4. SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS
5. ALL STATION AND OFFET INFORMATION REFERENCE STH 21 R/L

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	CURB RAMP DETAILS - WEBSTER AVE SW	SHEET 45	E



Webster Ave - SE					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
550	8+20.52	45.39' RT	757.64	481198.40	738690.67
551	8+17.53	42.33' RT	757.63	481201.48	738687.70
552	8+16.54	40.62' RT	757.64	481203.20	738686.73
553	8+16.31	39.15' RT	757.57	481204.67	738686.50
554	8+16.42	36.71' RT	757.50	481207.11	738686.64
555	8+17.51	31.71' RT	757.47	481212.10	738687.76
556	8+21.27	24.79' RT	757.42	481219.00	738691.57
557	8+26.22	20.21' RT	757.38	481223.53	738696.55
558	8+34.65	16.73' RT	757.41	481226.96	738705.01
559	8+38.69	16.59' RT	757.41	481227.06	738709.06
560	8+43.69	16.45' RT	757.41	481227.16	738714.05
561	8+44.95	16.41' RT	757.40	481227.19	738715.32
562	8+47.33	16.60' RT	757.39	481226.98	738717.69
563	8+49.39	17.80' RT	757.38	481225.77	738719.74
564	8+53.56	21.81' RT	757.35	481221.73	738723.88
565	8+51.48	23.97' RT	757.71	481219.59	738721.79
566	8+48.80	21.39' RT	757.84	481222.18	738719.13
567	8+43.78	19.45' RT	757.37	481224.17	738714.12

Webster Ave - SE					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
568	8+38.78	19.59' RT	757.39	481224.06	738709.12
569	8+33.29	20.13' RT	757.89	481223.56	738703.62
570	8+23.97	26.23' RT	757.91	481217.54	738694.26
571	8+20.68	31.72' RT	757.45	481212.07	738690.93
572	8+19.43	36.71' RT	757.47	481207.08	738689.65
573	8+22.67	43.30' RT	757.94	481200.48	738692.83
574	8+28.62	43.29' RT	757.85	481200.44	738698.78
575	8+28.53	36.74' RT	757.81	481206.99	738698.74
576	8+28.46	31.74' RT	757.80	481211.99	738698.71
577	8+28.41	28.41' RT	757.82	481215.32	738698.69
578	8+28.38	26.16' RT	757.79	481217.57	738698.67
579	8+33.36	28.37' RT	757.77	481215.33	738703.64
580	8+38.86	28.32' RT	757.85	481215.33	738709.14
581	8+43.86	28.28' RT	757.83	481215.34	738714.14
582	8+48.86	28.25' RT	757.79	481215.32	738719.14
583	8+21.46	39.06' RT	757.70	481204.72	738691.66
584	8+38.93	38.93' RT	0.00	481204.73	738709.13

NOTES:

1. CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION
2. THE ENGINEER MAY ADJUST ELEVATIONS TO FIT FIELD CONSTRUCTION
3. DASHED LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATION ONLY AND DO NOT INDICATE JOINT LOCATIONS
4. SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS
5. ALL STATION AND OFFET INFORMATION REFERENCE STH 21 R/L

2

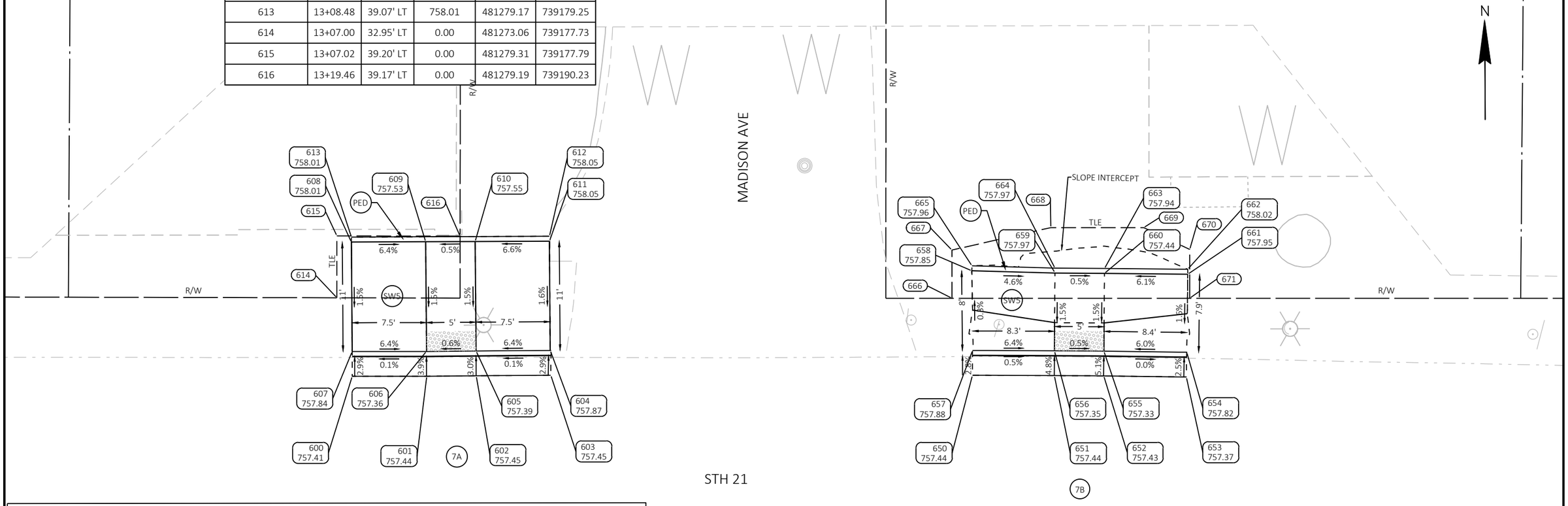
LEGEND

- (X) CURB RAMP TYPE
- (SW5) CONCRETE SIDEWALK 5-INCH
- (XX / YYYY.YY) POINT NUMBER & ELEVATION
- (XX) TLE LIMITS
- (PED) PEDESTRIAN CURB

Madison Ave - NW					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
600	13+08.56	25.03' LT	757.41	481265.13	739179.23
601	13+16.09	25.04' LT	757.44	481265.08	739186.75
602	13+21.08	25.08' LT	757.45	481265.08	739191.74
603	13+28.61	25.13' LT	757.45	481265.08	739199.28
604	13+28.56	27.63' LT	757.87	481267.58	739199.25
605	13+21.07	27.58' LT	757.39	481267.58	739191.75
606	13+16.06	27.54' LT	757.36	481267.58	739186.75
607	13+08.56	27.53' LT	757.84	481267.63	739179.25
608	13+08.48	38.57' LT	758.01	481278.67	739179.25
609	13+15.98	38.61' LT	757.53	481278.65	739186.75
610	13+20.98	38.63' LT	757.55	481278.63	739191.75
611	13+28.48	38.66' LT	758.05	481278.61	739199.25
612	13+28.48	39.16' LT	758.05	481279.11	739199.25
613	13+08.48	39.07' LT	758.01	481279.17	739179.25
614	13+07.00	32.95' LT	0.00	481273.06	739177.73
615	13+07.02	39.20' LT	0.00	481279.31	739177.79
616	13+19.46	39.17' LT	0.00	481279.19	739190.23

Madison Ave - NE					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
650	13+71.21	25.13' LT	757.44	481264.75	739241.88
651	13+79.48	25.10' LT	757.44	481264.66	739250.14
652	13+84.48	25.06' LT	757.43	481264.59	739255.14
653	13+92.81	24.96' LT	757.37	481264.42	739263.47
654	13+92.85	27.46' LT	757.82	481266.92	739263.53
655	13+84.49	27.56' LT	757.33	481267.09	739255.17
656	13+79.49	27.59' LT	757.35	481267.15	739250.17
657	13+71.21	27.63' LT	757.88	481267.25	739241.90
658	13+71.14	35.68' LT	757.85	481275.30	739241.89
659	13+79.54	35.49' LT	757.97	481275.05	739250.28
660	13+84.54	35.41' LT	757.44	481274.94	739255.28

Madison Ave - NE					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
661	13+92.95	35.33' LT	757.95	481274.79	739263.69
662	13+92.96	35.83' LT	758.02	481275.29	739263.70
663	13+84.54	35.91' LT	757.94	481275.44	739255.29
664	13+79.55	35.94' LT	757.97	481275.51	739250.30
665	13+71.15	36.18' LT	757.96	481275.80	739241.90
666	13+69.13	32.91' LT	0.00	481272.55	739239.86
667	13+69.13	37.77' LT	0.00	481277.41	739239.89
668	13+79.12	40.03' LT	0.00	481279.60	739249.90
669	13+88.50	40.04' LT	0.00	481279.53	739259.28
670	13+93.15	37.82' LT	0.00	481277.28	739263.92
671	13+93.15	32.91' LT	0.00	481272.36	739263.88



NOTES:

1. CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION
2. THE ENGINEER MAY ADJUST ELEVATIONS TO FIT FIELD CONSTRUCTION
3. DASHED LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATION ONLY AND DO NOT INDICATE JOINT LOCATIONS
4. SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS
5. ALL STATION AND OFFET INFORMATION REFERENCE STH 21 R/L

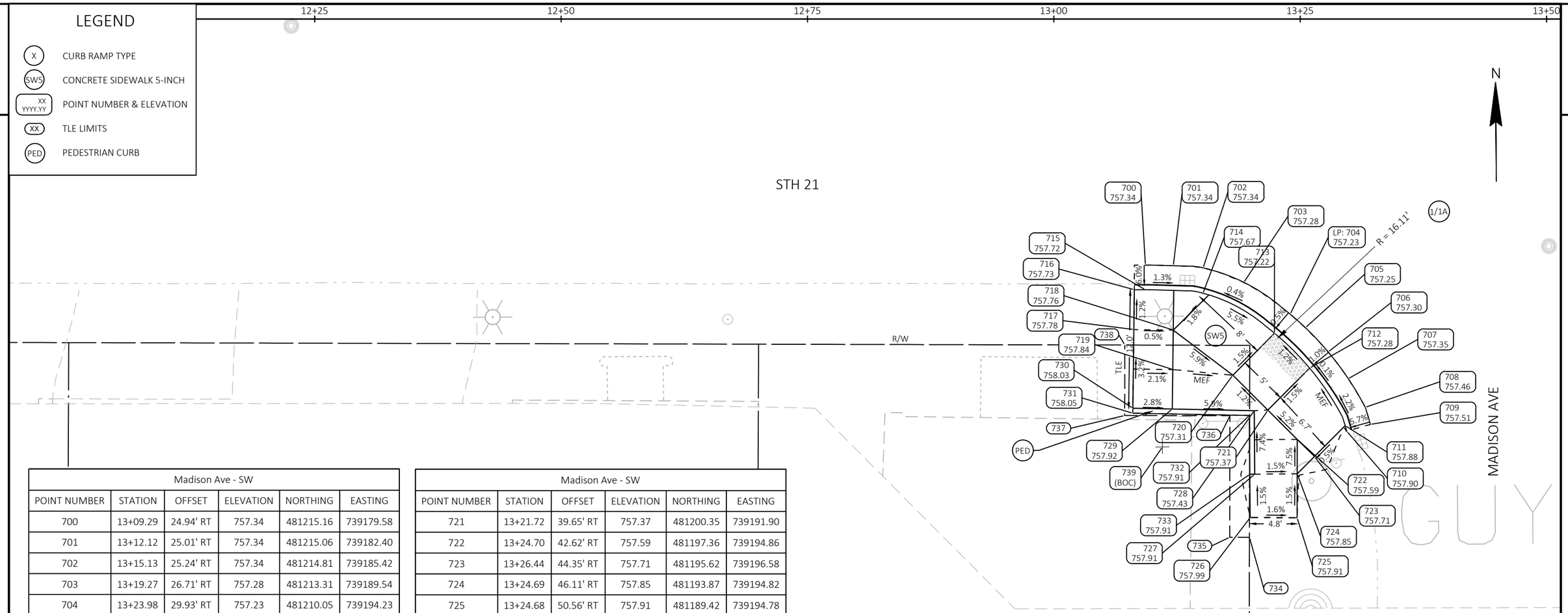
12+75 13+00 13+25 13+50 13+75 14+00 14+25

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	CURB RAMP DETAILS - MADISON AVE NW/NE	SHEET 47	E

FILE NAME : N:\PDS\C3D\61803000\SHEETSPLAN\023101-CR.DWG
LAYOUT NAME - 09-Madison-NW-NE
PLOT DATE : 9/22/2025 9:28 AM
PLOT BY : DANKE, ERIC A
PLOT NAME :
PLOT SCALE : 1 IN:10 FT

LEGEND

- X — CURB RAMP TYPE
- SW5 — CONCRETE SIDEWALK 5-INCH
- XX YYYY.YY — POINT NUMBER & ELEVATION
- XX — TLE LIMITS
- PED — PEDESTRIAN CURB

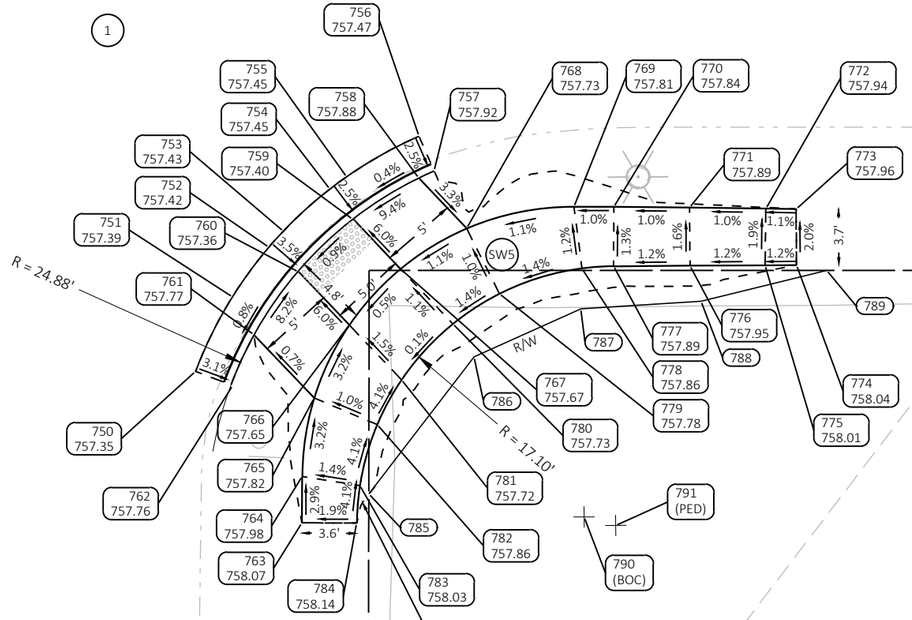


Madison Ave - SW					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
700	13+09.29	24.94' RT	757.34	481215.16	739179.58
701	13+12.12	25.01' RT	757.34	481215.06	739182.40
702	13+15.13	25.24' RT	757.34	481214.81	739185.42
703	13+19.27	26.71' RT	757.28	481213.31	739189.54
704	13+23.98	29.93' RT	757.23	481210.05	739194.23
705	13+25.52	31.30' RT	757.25	481208.68	739195.76
706	13+27.84	33.75' RT	757.30	481206.20	739198.06
707	13+29.86	36.47' RT	757.35	481203.47	739200.06
708	13+31.60	39.36' RT	757.46	481200.56	739201.77
709	13+32.12	41.10' RT	757.51	481198.82	739202.28
710	13+29.71	41.77' RT	757.90	481198.17	739199.87
711	13+29.55	41.22' RT	757.88	481198.72	739199.72
712	13+25.95	35.39' RT	757.28	481204.57	739196.16
713	13+22.39	31.85' RT	757.22	481208.14	739192.62
714	13+15.13	27.81' RT	757.67	481212.24	739185.39
715	13+09.27	27.44' RT	757.72	481212.66	739179.54
716	13+08.17	27.44' RT	757.73	481212.66	739178.44
717	13+08.12	31.48' RT	757.78	481208.62	739178.36
718	13+12.12	31.53' RT	757.76	481208.54	739182.35
719	13+12.06	35.53' RT	757.84	481204.54	739182.27
720	13+18.16	36.11' RT	757.31	481203.92	739188.36

Madison Ave - SW					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
721	13+21.72	39.65' RT	757.37	481200.35	739191.90
722	13+24.70	42.62' RT	757.59	481197.36	739194.86
723	13+26.44	44.35' RT	757.71	481195.62	739196.58
724	13+24.69	46.11' RT	757.85	481193.87	739194.82
725	13+24.68	50.56' RT	757.91	481189.42	739194.78
726	13+19.92	50.54' RT	757.99	481189.47	739190.01
727	13+20.38	46.14' RT	757.91	481193.87	739190.51
728	13+20.33	39.70' RT	757.43	481200.31	739190.50
729	13+12.01	39.54' RT	757.92	481200.53	739182.19
730	13+08.01	39.46' RT	758.03	481200.64	739178.19
731	13+08.00	39.96' RT	758.05	481200.14	739178.18
732	13+19.83	40.19' RT	757.91	481199.82	739190.00
733	13+19.88	46.15' RT	757.91	481193.87	739190.01
734	13+19.84	52.54' RT	0.00	481187.47	739189.92
735	13+17.84	52.54' RT	0.00	481187.49	739187.92
736	13+17.87	40.21' RT	0.00	481199.82	739188.04
737	13+07.18	40.19' RT	0.00	481199.92	739177.36
738	13+07.20	33.05' RT	0.00	481207.06	739177.43
739	13+11.01	43.38' RT	0.00	481196.70	739181.16

NOTES:

1. CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION
2. THE ENGINEER MAY ADJUST ELEVATIONS TO FIT FIELD CONSTRUCTION
3. DASHED LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATION ONLY AND DO NOT INDICATE JOINT LOCATIONS
4. SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS
5. ALL STATION AND OFFET INFORMATION REFERENCE STH 21 R/L



LEGEND

- X — CURB RAMP TYPE
- SW5 — CONCRETE SIDEWALK 5-INCH
- XX / YYYY.YY — POINT NUMBER & ELEVATION
- XX — TLE LIMITS
- PED — PEDESTRIAN CURB

N

Madison Ave - SE					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
750	13+74.42	39.76' RT	757.35	481199.84	739244.60
751	13+76.85	34.84' RT	757.39	481204.74	739247.07
752	13+79.26	31.56' RT	757.42	481208.00	739249.49
753	13+80.23	30.51' RT	757.43	481209.05	739250.47
754	13+83.28	27.73' RT	757.45	481211.81	739253.55
755	13+84.39	26.93' RT	757.45	481212.60	739254.66
756	13+89.17	24.24' RT	757.47	481215.25	739259.46
757	13+90.17	26.53' RT	757.92	481212.95	739260.44
758	13+89.15	27.00' RT	757.88	481212.49	739259.42
759	13+84.80	29.71' RT	757.40	481209.81	739255.05
760	13+81.20	33.18' RT	757.36	481206.37	739251.42
761	13+78.28	37.34' RT	757.77	481202.23	739248.48
762	13+76.88	40.68' RT	757.76	481198.90	739247.05
763	13+81.45	49.75' RT	758.07	481189.80	739251.55
764	13+81.46	46.69' RT	757.98	481192.86	739251.58
765	13+82.25	41.51' RT	757.82	481198.03	739252.41
766	13+84.57	36.69' RT	757.65	481202.83	739254.77
767	13+87.95	32.99' RT	757.67	481206.51	739258.17
768	13+92.32	30.33' RT	757.73	481209.14	739262.56
769	13+99.39	28.89' RT	757.81	481210.52	739269.65
770	14+02.02	28.90' RT	757.84	481210.49	739272.28
771	14+07.02	28.95' RT	757.89	481210.41	739277.28

Madison Ave - SE					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
772	14+12.06	29.01' RT	757.94	481210.30	739282.31
773	14+14.06	29.04' RT	757.96	481210.26	739284.31
774	14+14.08	32.75' RT	758.04	481206.55	739284.30
775	14+12.01	32.76' RT	758.01	481206.56	739282.24
776	14+07.05	32.78' RT	757.95	481206.57	739277.28
777	14+02.01	32.82' RT	757.89	481206.57	739272.24
778	13+99.93	32.97' RT	757.86	481206.44	739270.15
779	13+94.48	34.64' RT	757.78	481204.81	739264.69
780	13+91.40	36.62' RT	757.73	481202.85	739261.60
781	13+88.01	40.31' RT	757.72	481199.19	739258.18
782	13+86.40	43.26' RT	757.86	481196.25	739256.55
783	13+85.26	47.28' RT	758.03	481192.24	739255.37
784	13+85.05	49.76' RT	758.14	481189.76	739255.15
785	13+85.85	47.84' RT	758.16	481191.68	739255.96
786	13+92.80	38.80' RT	0.00	481200.66	739262.98
787	13+99.85	35.62' RT	0.00	481203.79	739270.06
788	14+07.78	35.12' RT	0.00	481204.23	739277.99
789	14+16.08	33.10' RT	0.00	481206.19	739286.30
790	14+00.06	49.36' RT	0.00	481190.05	739270.16
791	14+02.15	49.92' RT	0.00	481189.47	739272.25

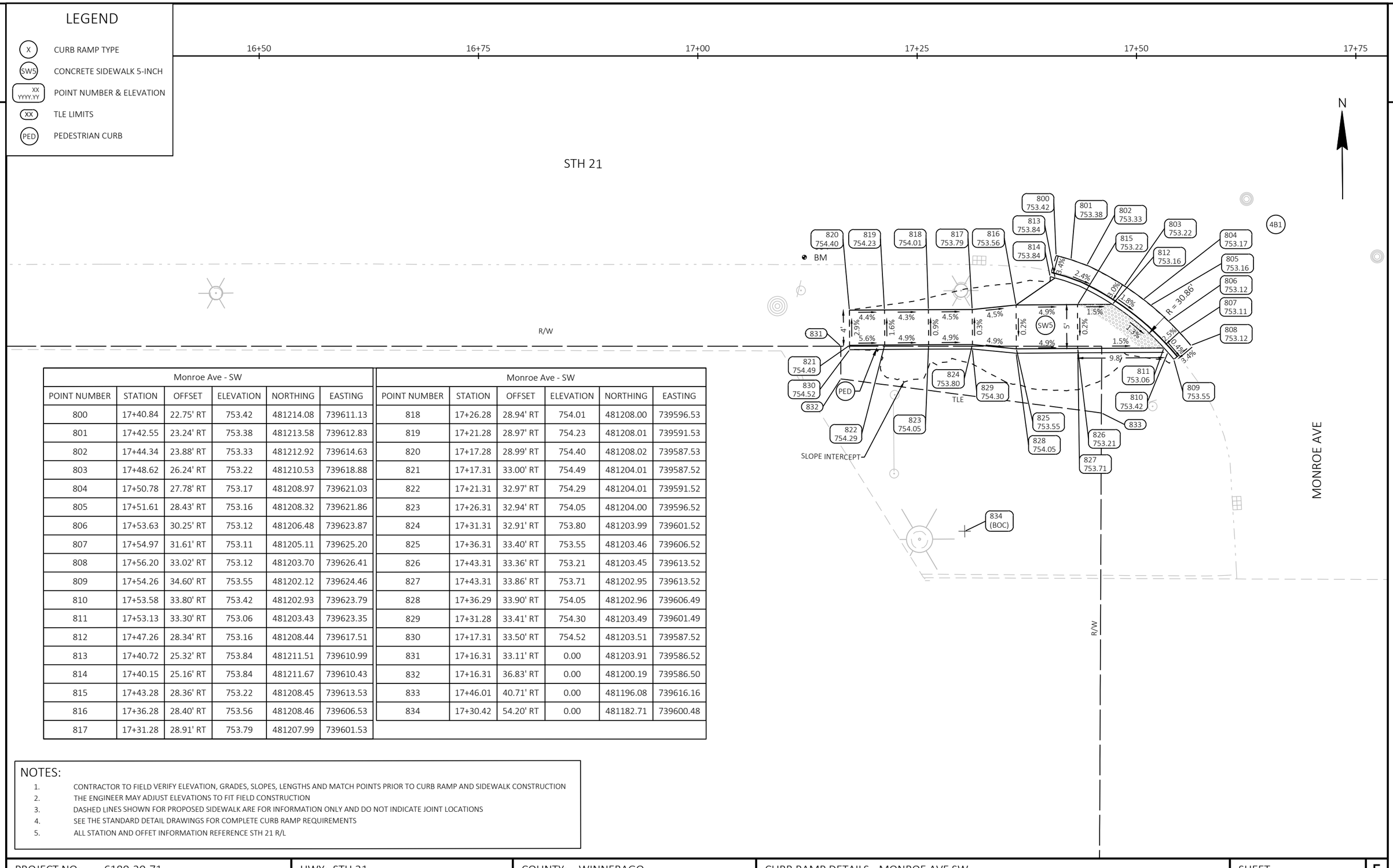
NOTES:

1. CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION
2. THE ENGINEER MAY ADJUST ELEVATIONS TO FIT FIELD CONSTRUCTION
3. DASHED LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATION ONLY AND DO NOT INDICATE JOINT LOCATIONS
4. SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS
5. ALL STATION AND OFFET INFORMATION REFERENCE STH 21 R/L

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	CURB RAMP DETAILS - MADISON AVE SE	SHEET 49	E

LEGEND

- X — CURB RAMP TYPE
- SW5 — CONCRETE SIDEWALK 5-INCH
- XX YYYY.YY — POINT NUMBER & ELEVATION
- XX — TLE LIMITS
- PED — PEDESTRIAN CURB

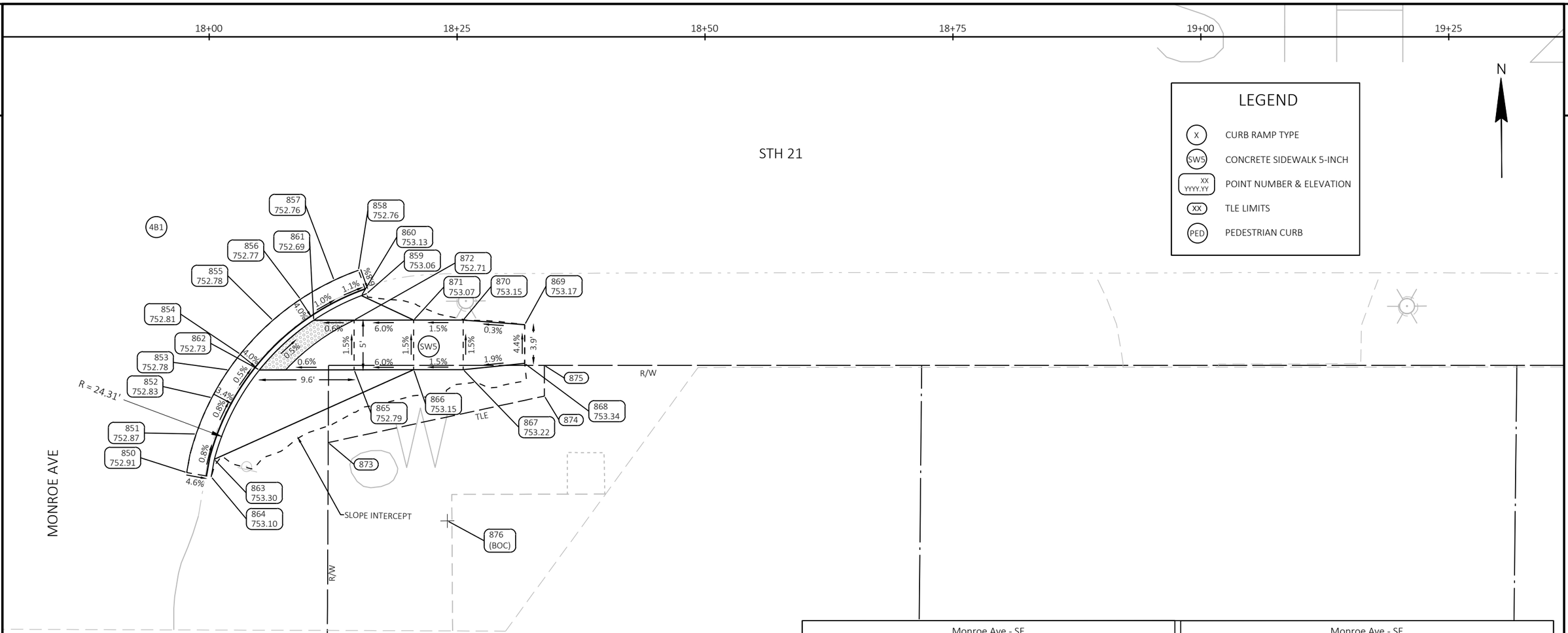


Monroe Ave - SW					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
800	17+40.84	22.75' RT	753.42	481214.08	739611.13
801	17+42.55	23.24' RT	753.38	481213.58	739612.83
802	17+44.34	23.88' RT	753.33	481212.92	739614.63
803	17+48.62	26.24' RT	753.22	481210.53	739618.88
804	17+50.78	27.78' RT	753.17	481208.97	739621.03
805	17+51.61	28.43' RT	753.16	481208.32	739621.86
806	17+53.63	30.25' RT	753.12	481206.48	739623.87
807	17+54.97	31.61' RT	753.11	481205.11	739625.20
808	17+56.20	33.02' RT	753.12	481203.70	739626.41
809	17+54.26	34.60' RT	753.55	481202.12	739624.46
810	17+53.58	33.80' RT	753.42	481202.93	739623.79
811	17+53.13	33.30' RT	753.06	481203.43	739623.35
812	17+47.26	28.34' RT	753.16	481208.44	739617.51
813	17+40.72	25.32' RT	753.84	481211.51	739610.99
814	17+40.15	25.16' RT	753.84	481211.67	739610.43
815	17+43.28	28.36' RT	753.22	481208.45	739613.53
816	17+36.28	28.40' RT	753.56	481208.46	739606.53
817	17+31.28	28.91' RT	753.79	481207.99	739601.53

Monroe Ave - SW					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
818	17+26.28	28.94' RT	754.01	481208.00	739596.53
819	17+21.28	28.97' RT	754.23	481208.01	739591.53
820	17+17.28	28.99' RT	754.40	481208.02	739587.53
821	17+17.31	33.00' RT	754.49	481204.01	739587.52
822	17+21.31	32.97' RT	754.29	481204.01	739591.52
823	17+26.31	32.94' RT	754.05	481204.00	739596.52
824	17+31.31	32.91' RT	753.80	481203.99	739601.52
825	17+36.31	33.40' RT	753.55	481203.46	739606.52
826	17+43.31	33.36' RT	753.21	481203.45	739613.52
827	17+43.31	33.86' RT	753.71	481202.95	739613.52
828	17+36.29	33.90' RT	754.05	481202.96	739606.49
829	17+31.28	33.41' RT	754.30	481203.49	739601.49
830	17+17.31	33.50' RT	754.52	481203.51	739587.52
831	17+16.31	33.11' RT	0.00	481203.91	739586.52
832	17+16.31	36.83' RT	0.00	481200.19	739586.50
833	17+46.01	40.71' RT	0.00	481196.08	739616.16
834	17+30.42	54.20' RT	0.00	481182.71	739600.48

NOTES:

1. CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION
2. THE ENGINEER MAY ADJUST ELEVATIONS TO FIT FIELD CONSTRUCTION
3. DASHED LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATION ONLY AND DO NOT INDICATE JOINT LOCATIONS
4. SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS
5. ALL STATION AND OFFET INFORMATION REFERENCE STH 21 R/L



NOTES:

1. CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION
2. THE ENGINEER MAY ADJUST ELEVATIONS TO FIT FIELD CONSTRUCTION
3. DASHED LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATION ONLY AND DO NOT INDICATE JOINT LOCATIONS
4. SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS
5. ALL STATION AND OFFET INFORMATION REFERENCE STH 21 R/L

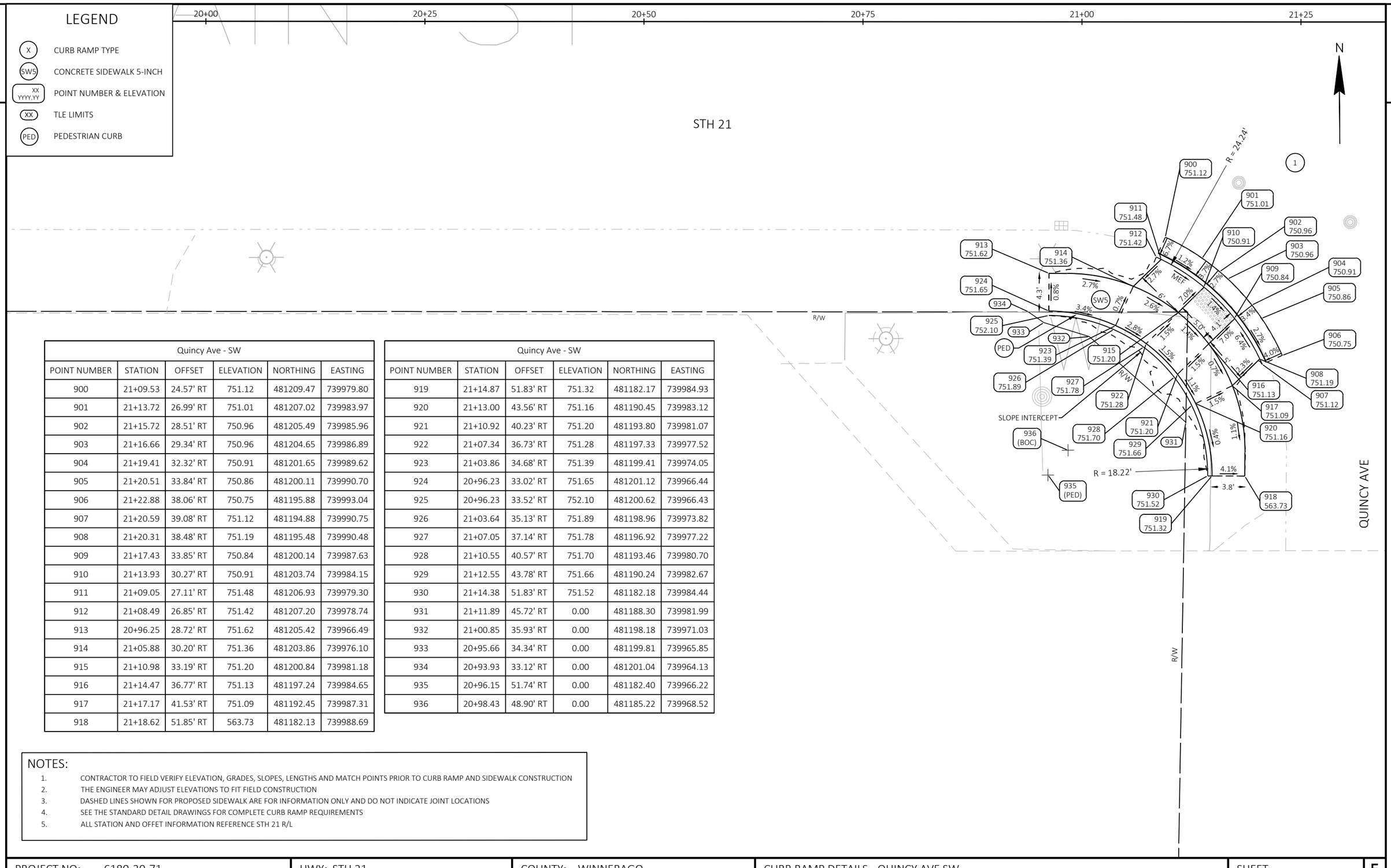
Monroe Ave - SE					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
850	17+97.74	43.91' RT	752.91	481192.49	739667.88
851	17+98.69	40.03' RT	752.87	481196.36	739668.85
852	18+00.27	36.36' RT	752.83	481200.02	739670.46
853	18+01.95	33.57' RT	752.78	481202.79	739672.16
854	18+03.14	31.97' RT	752.81	481204.38	739673.36
855	18+06.42	28.57' RT	752.78	481207.77	739676.67
856	18+09.22	26.43' RT	752.77	481209.88	739679.48
857	18+12.61	24.53' RT	752.76	481211.76	739682.88
858	18+15.06	23.52' RT	752.76	481212.75	739685.34
859	18+15.90	25.88' RT	753.06	481210.38	739686.16
860	18+15.36	26.08' RT	753.13	481210.19	739685.63
861	18+10.54	28.56' RT	752.69	481207.74	739680.78
862	18+05.07	33.57' RT	752.73	481202.77	739675.28
863	18+00.52	42.58' RT	753.30	481193.80	739670.66

Monroe Ave - SE					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
864	18+00.21	44.35' RT	753.10	481192.03	739670.33
865	18+14.63	33.56' RT	752.79	481202.72	739684.84
866	18+20.63	33.55' RT	753.15	481202.68	739690.84
867	18+25.63	33.54' RT	753.22	481202.65	739695.84
868	18+31.83	32.91' RT	753.34	481203.23	739702.04
869	18+31.83	29.00' RT	753.17	481207.14	739702.07
870	18+25.62	28.54' RT	753.15	481207.65	739695.87
871	18+20.62	28.55' RT	753.07	481207.68	739690.87
872	18+14.62	28.56' RT	752.71	481207.72	739684.87
873	18+12.01	40.89' RT	0.00	481195.40	739682.16
874	18+33.80	36.21' RT	0.00	481199.92	739703.99
875	18+33.80	33.11' RT	0.00	481203.01	739704.01
876	18+24.02	48.78' RT	0.00	481187.42	739694.12

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	CURB RAMP DETAILS - MONROE AVE SE	SHEET 51	E

LEGEND

- X — CURB RAMP TYPE
- SW5 — CONCRETE SIDEWALK 5-INCH
- XX YYYY.YY — POINT NUMBER & ELEVATION
- XX — TLE LIMITS
- PED — PEDESTRIAN CURB



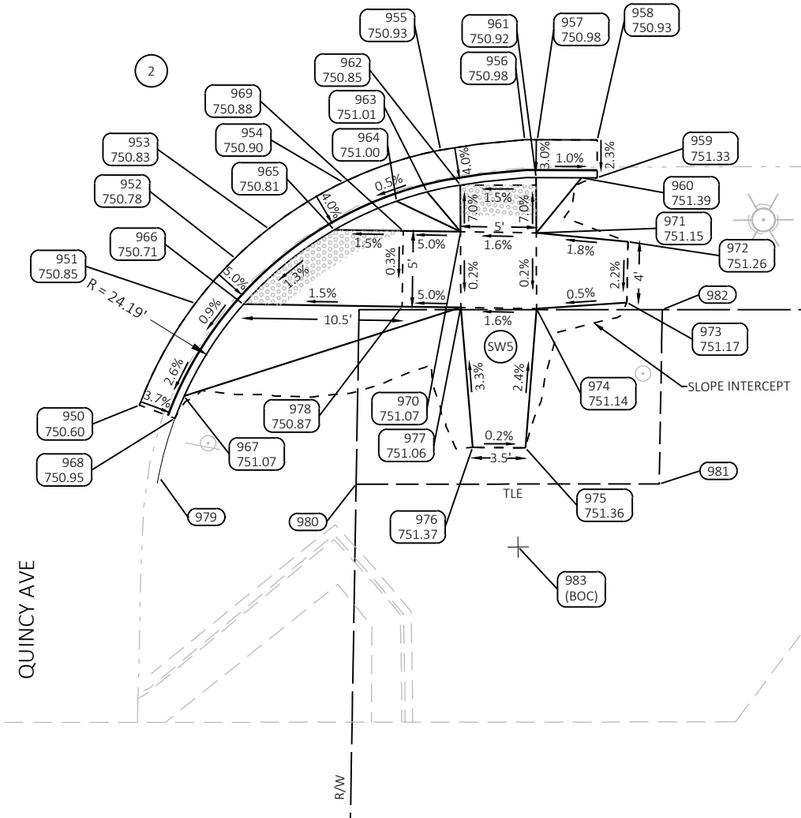
Quincy Ave - SW					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
900	21+09.53	24.57' RT	751.12	481209.47	739979.80
901	21+13.72	26.99' RT	751.01	481207.02	739983.97
902	21+15.72	28.51' RT	750.96	481205.49	739985.96
903	21+16.66	29.34' RT	750.96	481204.65	739986.89
904	21+19.41	32.32' RT	750.91	481201.65	739989.62
905	21+20.51	33.84' RT	750.86	481200.11	739990.70
906	21+22.88	38.06' RT	750.75	481195.88	739993.04
907	21+20.59	39.08' RT	751.12	481194.88	739990.75
908	21+20.31	38.48' RT	751.19	481195.48	739990.48
909	21+17.43	33.85' RT	750.84	481200.14	739987.63
910	21+13.93	30.27' RT	750.91	481203.74	739984.15
911	21+09.05	27.11' RT	751.48	481206.93	739979.30
912	21+08.49	26.85' RT	751.42	481207.20	739978.74
913	20+96.25	28.72' RT	751.62	481205.42	739966.49
914	21+05.88	30.20' RT	751.36	481203.86	739976.10
915	21+10.98	33.19' RT	751.20	481200.84	739981.18
916	21+14.47	36.77' RT	751.13	481197.24	739984.65
917	21+17.17	41.53' RT	751.09	481192.45	739987.31
918	21+18.62	51.85' RT	563.73	481182.13	739988.69

Quincy Ave - SW					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
919	21+14.87	51.83' RT	751.32	481182.17	739984.93
920	21+13.00	43.56' RT	751.16	481190.45	739983.12
921	21+10.92	40.23' RT	751.20	481193.80	739981.07
922	21+07.34	36.73' RT	751.28	481197.33	739977.52
923	21+03.86	34.68' RT	751.39	481199.41	739974.05
924	20+96.23	33.02' RT	751.65	481201.12	739966.44
925	20+96.23	33.52' RT	752.10	481200.62	739966.43
926	21+03.64	35.13' RT	751.89	481198.96	739973.82
927	21+07.05	37.14' RT	751.78	481196.92	739977.22
928	21+10.55	40.57' RT	751.70	481193.46	739980.70
929	21+12.55	43.78' RT	751.66	481190.24	739982.67
930	21+14.38	51.83' RT	751.52	481182.18	739984.44
931	21+11.89	45.72' RT	0.00	481188.30	739981.99
932	21+00.85	35.93' RT	0.00	481198.18	739971.03
933	20+95.66	34.34' RT	0.00	481199.81	739965.85
934	20+93.93	33.12' RT	0.00	481201.04	739964.13
935	20+96.15	51.74' RT	0.00	481182.40	739966.22
936	20+98.43	48.90' RT	0.00	481185.22	739968.52

NOTES:

1. CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION
2. THE ENGINEER MAY ADJUST ELEVATIONS TO FIT FIELD CONSTRUCTION
3. DASHED LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATION ONLY AND DO NOT INDICATE JOINT LOCATIONS
4. SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS
5. ALL STATION AND OFFET INFORMATION REFERENCE STH 21 R/L

STH 21



Quincy Ave - SE					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
950	21+47.05	39.41' RT	750.60	481194.37	740017.25
951	21+50.74	32.70' RT	750.85	481201.06	740020.98
952	21+53.36	29.71' RT	750.78	481204.03	740023.62
953	21+55.59	27.78' RT	750.83	481205.95	740025.86
954	21+60.49	24.72' RT	750.90	481208.97	740030.79
955	21+66.92	22.58' RT	750.93	481211.08	740037.23
956	21+72.48	21.91' RT	750.98	481211.71	740042.79
957	21+73.32	21.91' RT	750.98	481211.70	740043.63
958	21+77.27	21.92' RT	750.93	481211.67	740047.58
959	21+77.26	24.42' RT	751.33	481209.17	740047.56
960	21+76.24	24.41' RT	751.39	481209.18	740046.54
961	21+73.24	24.41' RT	750.92	481209.21	740043.54
962	21+68.24	24.91' RT	750.85	481208.74	740038.54
963	21+66.03	25.34' RT	751.01	481208.32	740036.32
964	21+64.01	25.95' RT	751.00	481207.72	740034.30
965	21+59.91	27.85' RT	750.81	481205.85	740030.18
966	21+53.92	32.75' RT	750.71	481200.98	740024.16

Quincy Ave - SE					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
967	21+49.99	38.82' RT	751.07	481194.94	740020.20
968	21+49.39	40.29' RT	750.95	481193.48	740019.58
969	21+64.47	27.91' RT	750.88	481205.75	740034.74
970	21+68.25	27.97' RT	751.07	481205.67	740038.52
971	21+73.25	28.05' RT	751.15	481205.56	740043.52
972	21+79.30	28.64' RT	751.26	481204.94	740049.57
973	21+79.23	32.64' RT	751.17	481200.93	740049.47
974	21+73.26	33.05' RT	751.14	481200.56	740043.50
975	21+72.53	42.24' RT	751.36	481191.38	740042.71
976	21+69.04	42.20' RT	751.37	481191.44	740039.23
977	21+68.26	32.97' RT	751.06	481200.67	740038.50
978	21+64.39	32.91' RT	750.87	481200.76	740034.63
979	21+48.39	44.21' RT	0.00	481189.56	740018.56
980	21+61.36	44.62' RT	0.00	481189.07	740031.53
981	21+81.36	44.62' RT	0.00	481188.94	740051.53
982	21+81.56	33.12' RT	0.00	481200.44	740051.80
983	21+72.04	48.77' RT	0.00	481184.85	740042.18

LEGEND

- (X) CURB RAMP TYPE
- (SW5) CONCRETE SIDEWALK 5-INCH
- (XX / YYYY.YY) POINT NUMBER & ELEVATION
- (XX) TLE LIMITS
- (PED) PEDESTRIAN CURB

NOTES:

1. CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION
2. THE ENGINEER MAY ADJUST ELEVATIONS TO FIT FIELD CONSTRUCTION
3. DASHED LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATION ONLY AND DO NOT INDICATE JOINT LOCATIONS
4. SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS
5. ALL STATION AND OFFET INFORMATION REFERENCE STH 21 R/L

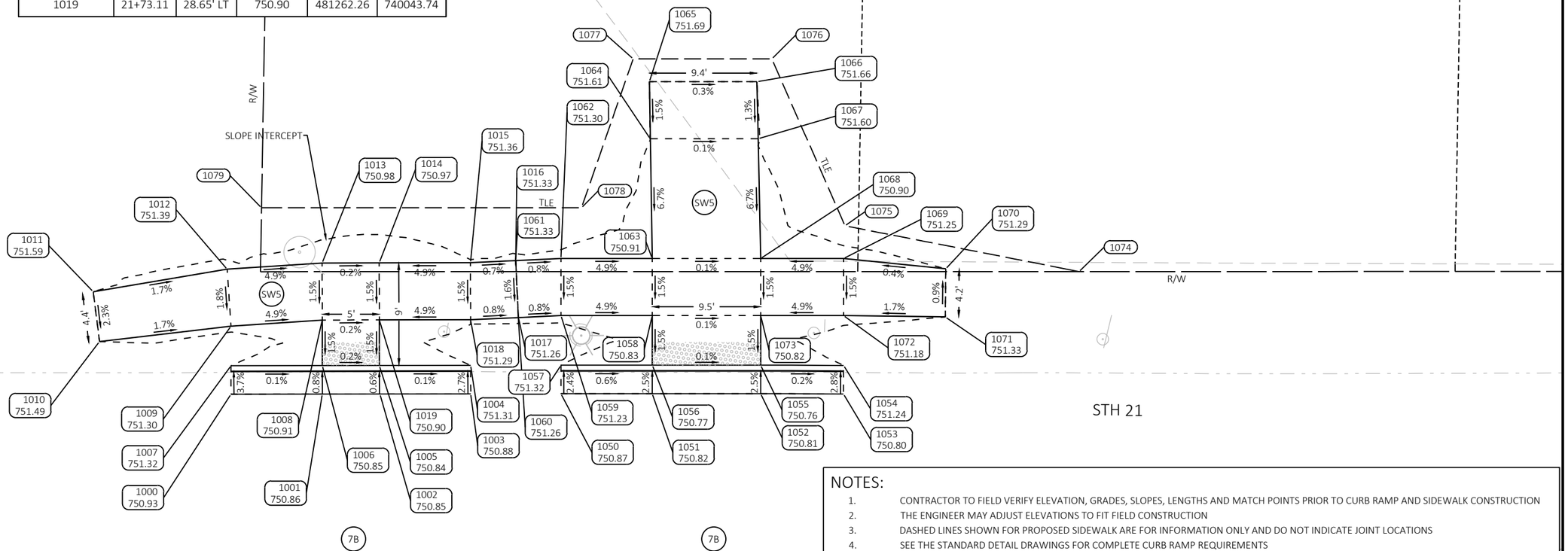
LEGEND

- (X) CURB RAMP TYPE
- (SW5) CONCRETE SIDEWALK 5-INCH
- (XX YYYY.YY) POINT NUMBER & ELEVATION
- (XX) TLE LIMITS
- (PED) PEDESTRIAN CURB

Quincy Ave - NE					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
1000	21+60.12	22.14' LT	750.93	481255.83	740030.72
1001	21+68.12	22.15' LT	750.86	481255.80	740038.71
1002	21+73.16	22.16' LT	750.85	481255.77	740043.75
1003	21+81.12	22.17' LT	750.88	481255.74	740051.71
1004	21+81.12	24.67' LT	751.31	481258.24	740051.73
1005	21+73.11	24.66' LT	750.84	481258.27	740043.73
1006	21+68.11	24.65' LT	750.85	481258.30	740038.73
1007	21+60.12	24.64' LT	751.32	481258.33	740030.73
1008	21+68.11	28.64' LT	750.91	481262.28	740038.74
1009	21+60.11	28.11' LT	751.30	481261.80	740030.74
1010	21+48.59	26.75' LT	751.49	481260.52	740019.22
1011	21+48.04	31.12' LT	751.59	481264.90	740018.69
1012	21+59.78	33.09' LT	751.39	481266.79	740030.44
1013	21+68.10	33.64' LT	750.98	481267.28	740038.77
1014	21+73.10	33.65' LT	750.97	481267.26	740043.77
1015	21+81.10	33.66' LT	751.36	481267.22	740051.77
1016	21+85.06	33.85' LT	751.33	481267.38	740055.73
1017	21+85.30	28.86' LT	751.26	481262.39	740055.93
1018	21+81.11	28.66' LT	751.29	481262.22	740051.74
1019	21+73.11	28.65' LT	750.90	481262.26	740043.74

Veterans Memorial					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
1050	21+89.02	22.18' LT	750.87	481255.69	740059.62
1051	21+97.02	22.18' LT	750.82	481255.64	740067.62
1052	22+06.52	22.18' LT	750.81	481255.58	740077.12
1053	22+13.78	22.16' LT	750.80	481255.51	740084.37
1054	22+13.79	24.66' LT	751.24	481258.01	740084.40
1055	22+06.52	24.68' LT	750.76	481258.08	740077.13
1056	21+97.02	24.68' LT	750.77	481258.14	740067.63
1057	21+89.02	24.68' LT	751.32	481258.19	740059.63
1058	21+97.02	29.03' LT	750.83	481262.49	740067.66
1059	21+89.02	29.03' LT	751.23	481262.54	740059.66
1060	21+85.30	28.86' LT	751.26	481262.39	740055.93
1061	21+85.06	33.85' LT	751.33	481267.38	740055.73
1062	21+89.02	34.03' LT	751.30	481267.54	740059.70
1063	21+97.03	34.03' LT	750.91	481267.49	740067.70
1064	21+96.85	44.53' LT	751.61	481277.99	740067.59

Veterans Memorial					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
1065	21+96.77	49.53' LT	751.69	481282.99	740067.54
1066	22+06.20	49.53' LT	751.66	481282.93	740076.97
1067	22+06.30	44.53' LT	751.60	481277.93	740077.04
1068	22+06.53	34.03' LT	750.90	481267.43	740077.20
1069	22+13.79	34.03' LT	751.25	481267.38	740084.46
1070	22+22.74	33.13' LT	751.29	481266.43	740093.41
1071	22+22.71	28.91' LT	751.33	481262.21	740093.34
1072	22+13.79	29.03' LT	751.18	481262.38	740084.43
1073	22+06.52	29.03' LT	750.82	481262.43	740077.16
1074	22+34.42	32.89' LT	0.00	481266.11	740105.08
1075	22+13.92	36.90' LT	0.00	481270.25	740084.60
1076	22+07.50	51.53' LT	0.00	481284.92	740078.29
1077	21+95.35	51.53' LT	0.00	481285.00	740066.13
1078	21+90.83	38.48' LT	0.00	481271.98	740061.53
1079	21+62.79	38.48' LT	0.00	481272.16	740033.49

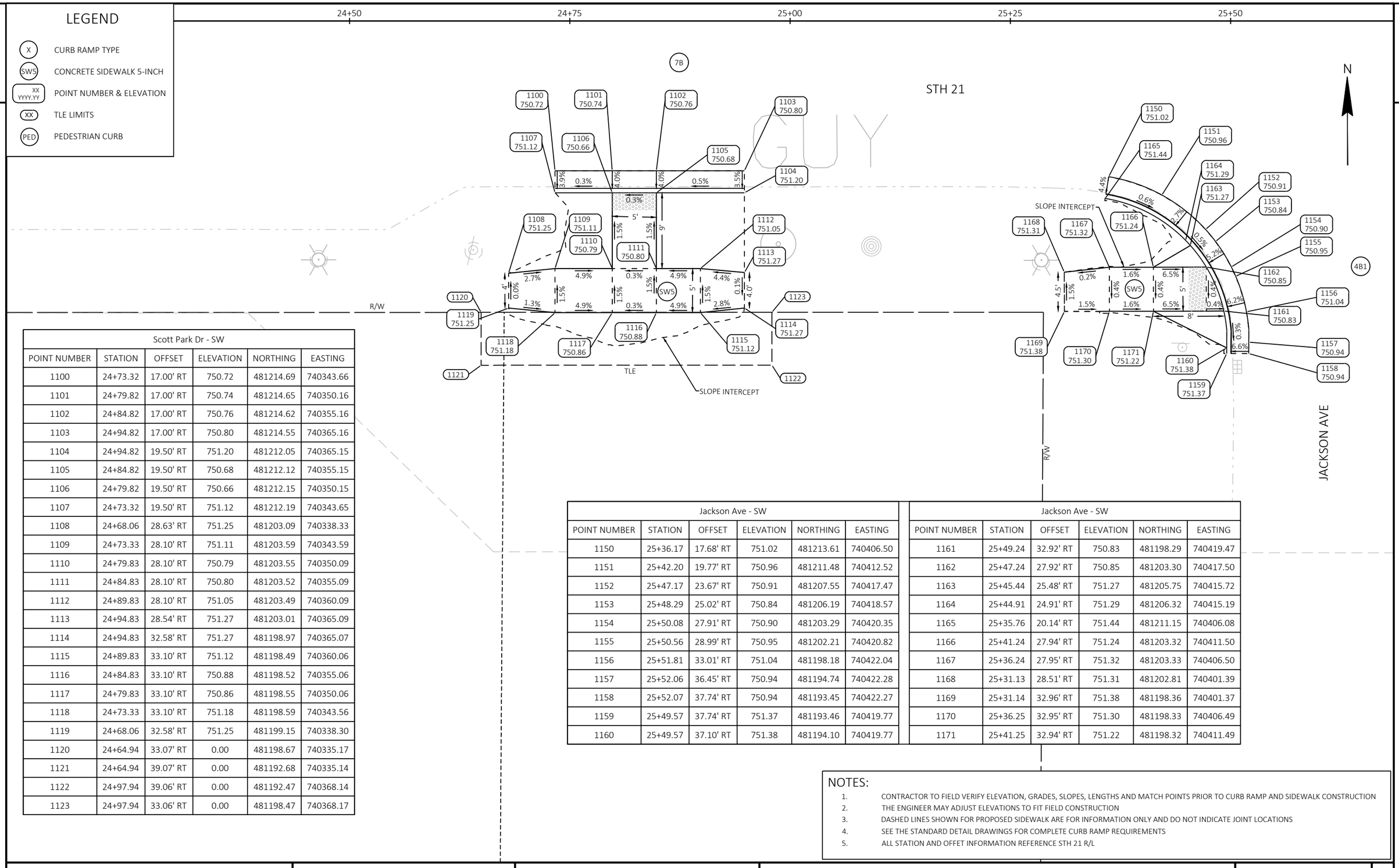


NOTES:

1. CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION
2. THE ENGINEER MAY ADJUST ELEVATIONS TO FIT FIELD CONSTRUCTION
3. DASHED LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATION ONLY AND DO NOT INDICATE JOINT LOCATIONS
4. SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS
5. ALL STATION AND OFFET INFORMATION REFERENCE STH 21 R/L

LEGEND

- X — CURB RAMP TYPE
- SW5 — CONCRETE SIDEWALK 5-INCH
- XX YYYY.YY — POINT NUMBER & ELEVATION
- XX — TLE LIMITS
- PED — PEDESTRIAN CURB



Scott Park Dr - SW					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
1100	24+73.32	17.00' RT	750.72	481214.69	740343.66
1101	24+79.82	17.00' RT	750.74	481214.65	740350.16
1102	24+84.82	17.00' RT	750.76	481214.62	740355.16
1103	24+94.82	17.00' RT	750.80	481214.55	740365.16
1104	24+94.82	19.50' RT	751.20	481212.05	740365.15
1105	24+84.82	19.50' RT	750.68	481212.12	740355.15
1106	24+79.82	19.50' RT	750.66	481212.15	740350.15
1107	24+73.32	19.50' RT	751.12	481212.19	740343.65
1108	24+68.06	28.63' RT	751.25	481203.09	740338.33
1109	24+73.33	28.10' RT	751.11	481203.59	740343.59
1110	24+79.83	28.10' RT	750.79	481203.55	740350.09
1111	24+84.83	28.10' RT	750.80	481203.52	740355.09
1112	24+89.83	28.10' RT	751.05	481203.49	740360.09
1113	24+94.83	28.54' RT	751.27	481203.01	740365.09
1114	24+94.83	32.58' RT	751.27	481198.97	740365.07
1115	24+89.83	33.10' RT	751.12	481198.49	740360.06
1116	24+84.83	33.10' RT	750.88	481198.52	740355.06
1117	24+79.83	33.10' RT	750.86	481198.55	740350.06
1118	24+73.33	33.10' RT	751.18	481198.59	740343.56
1119	24+68.06	32.58' RT	751.25	481199.15	740338.30
1120	24+64.94	33.07' RT	0.00	481198.67	740335.17
1121	24+64.94	39.07' RT	0.00	481192.68	740335.14
1122	24+97.94	39.06' RT	0.00	481192.47	740368.14
1123	24+97.94	33.06' RT	0.00	481198.47	740368.17

Jackson Ave - SW					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
1150	25+36.17	17.68' RT	751.02	481213.61	740406.50
1151	25+42.20	19.77' RT	750.96	481211.48	740412.52
1152	25+47.17	23.67' RT	750.91	481207.55	740417.47
1153	25+48.29	25.02' RT	750.84	481206.19	740418.57
1154	25+50.08	27.91' RT	750.90	481203.29	740420.35
1155	25+50.56	28.99' RT	750.95	481202.21	740420.82
1156	25+51.81	33.01' RT	751.04	481198.18	740422.04
1157	25+52.06	36.45' RT	750.94	481194.74	740422.28
1158	25+52.07	37.74' RT	750.94	481193.45	740422.27
1159	25+49.57	37.74' RT	751.37	481193.46	740419.77
1160	25+49.57	37.10' RT	751.38	481194.10	740419.77

Jackson Ave - SW					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
1161	25+49.24	32.92' RT	750.83	481198.29	740419.47
1162	25+47.24	27.92' RT	750.85	481203.30	740417.50
1163	25+45.44	25.48' RT	751.27	481205.75	740415.72
1164	25+44.91	24.91' RT	751.29	481206.32	740415.19
1165	25+35.76	20.14' RT	751.44	481211.15	740406.08
1166	25+41.24	27.94' RT	751.24	481203.32	740411.50
1167	25+36.24	27.95' RT	751.32	481203.33	740406.50
1168	25+31.13	28.51' RT	751.31	481202.81	740401.39
1169	25+31.14	32.96' RT	751.38	481198.36	740401.37
1170	25+36.25	32.95' RT	751.30	481198.33	740406.49
1171	25+41.25	32.94' RT	751.22	481198.32	740411.49

NOTES:

1. CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION
2. THE ENGINEER MAY ADJUST ELEVATIONS TO FIT FIELD CONSTRUCTION
3. DASHED LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATION ONLY AND DO NOT INDICATE JOINT LOCATIONS
4. SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS
5. ALL STATION AND OFFET INFORMATION REFERENCE STH 21 R/L

2

NOTES:

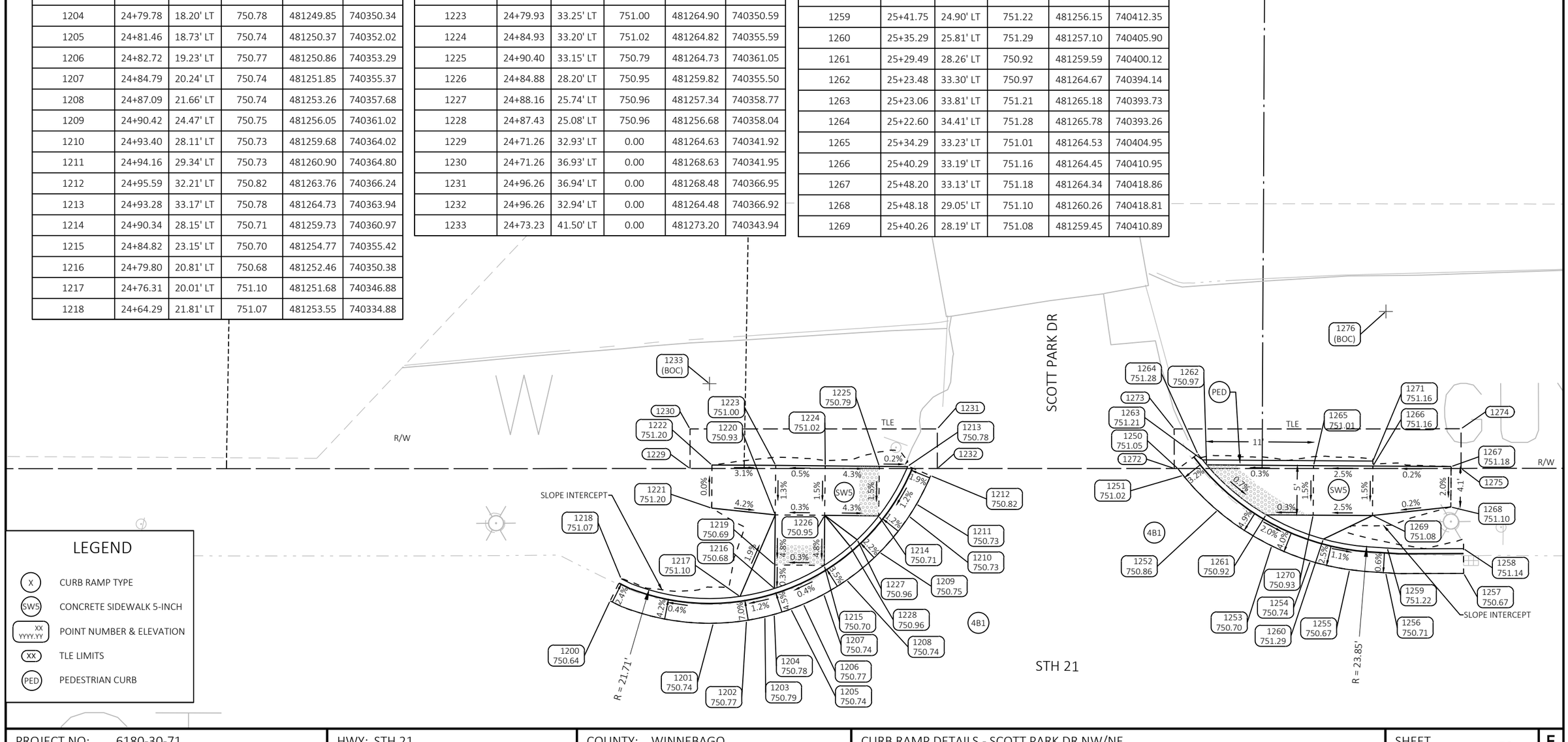
1. CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION
2. THE ENGINEER MAY ADJUST ELEVATIONS TO FIT FIELD CONSTRUCTION
3. DASHED LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATION ONLY AND DO NOT INDICATE JOINT LOCATIONS
4. SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS
5. ALL STATION AND OFFET INFORMATION REFERENCE STH 21 R/L

Scott Park Dr - NW					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
1200	24+63.19	19.56' LT	750.64	481251.32	740333.76
1201	24+73.61	17.30' LT	750.74	481248.99	740344.17
1202	24+76.97	17.59' LT	750.77	481249.25	740347.53
1203	24+78.83	17.95' LT	750.79	481249.61	740349.40
1204	24+79.78	18.20' LT	750.78	481249.85	740350.34
1205	24+81.46	18.73' LT	750.74	481250.37	740352.02
1206	24+82.72	19.23' LT	750.77	481250.86	740353.29
1207	24+84.79	20.24' LT	750.74	481251.85	740355.37
1208	24+87.09	21.66' LT	750.74	481253.26	740357.68
1209	24+90.42	24.47' LT	750.75	481256.05	740361.02
1210	24+93.40	28.11' LT	750.73	481259.68	740364.02
1211	24+94.16	29.34' LT	750.73	481260.90	740364.80
1212	24+95.59	32.21' LT	750.82	481263.76	740366.24
1213	24+93.28	33.17' LT	750.78	481264.73	740363.94
1214	24+90.34	28.15' LT	750.71	481259.73	740360.97
1215	24+84.82	23.15' LT	750.70	481254.77	740355.42
1216	24+79.80	20.81' LT	750.68	481252.46	740350.38
1217	24+76.31	20.01' LT	751.10	481251.68	740346.88
1218	24+64.29	21.81' LT	751.07	481253.55	740334.88

Scott Park Dr - NW					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
1219	24+79.82	23.20' LT	750.69	481254.85	740350.42
1220	24+79.88	28.25' LT	750.93	481259.90	740350.50
1221	24+73.45	28.94' LT	751.20	481260.63	740344.08
1222	24+73.48	33.30' LT	751.20	481264.98	740344.14
1223	24+79.93	33.25' LT	751.00	481264.90	740350.59
1224	24+84.93	33.20' LT	751.02	481264.82	740355.59
1225	24+90.40	33.15' LT	750.79	481264.73	740361.05
1226	24+84.88	28.20' LT	750.95	481259.82	740355.50
1227	24+88.16	25.74' LT	750.96	481257.34	740358.77
1228	24+87.43	25.08' LT	750.96	481256.68	740358.04
1229	24+71.26	32.93' LT	0.00	481264.63	740341.92
1230	24+71.26	36.93' LT	0.00	481268.63	740341.95
1231	24+96.26	36.94' LT	0.00	481268.48	740366.95
1232	24+96.26	32.94' LT	0.00	481264.48	740366.92
1233	24+73.23	41.50' LT	0.00	481273.20	740343.94

Scott Park Dr - NE					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
1250	25+20.60	32.90' LT	751.05	481264.28	740391.26
1251	25+21.12	32.24' LT	751.02	481263.62	740391.77
1252	25+24.59	28.71' LT	750.86	481260.07	740395.22
1253	25+30.07	25.12' LT	750.70	481256.44	740400.67
1254	25+33.97	23.59' LT	750.74	481254.89	740404.56
1255	25+37.95	22.71' LT	750.67	481253.99	740408.54
1256	25+41.59	22.41' LT	750.71	481253.66	740412.18
1257	25+49.47	22.34' LT	750.67	481253.54	740420.06
1258	25+49.47	24.84' LT	751.14	481256.04	740420.07
1259	25+41.75	24.90' LT	751.22	481256.15	740412.35
1260	25+35.29	25.81' LT	751.29	481257.10	740405.90
1261	25+29.49	28.26' LT	750.92	481259.59	740400.12
1262	25+23.48	33.30' LT	750.97	481264.67	740394.14
1263	25+23.06	33.81' LT	751.21	481265.18	740393.73
1264	25+22.60	34.41' LT	751.28	481265.78	740393.26
1265	25+34.29	33.23' LT	751.01	481264.53	740404.95
1266	25+40.29	33.19' LT	751.16	481264.45	740410.95
1267	25+48.20	33.13' LT	751.18	481264.34	740418.86
1268	25+48.18	29.05' LT	751.10	481260.26	740418.81
1269	25+40.26	28.19' LT	751.08	481259.45	740410.89

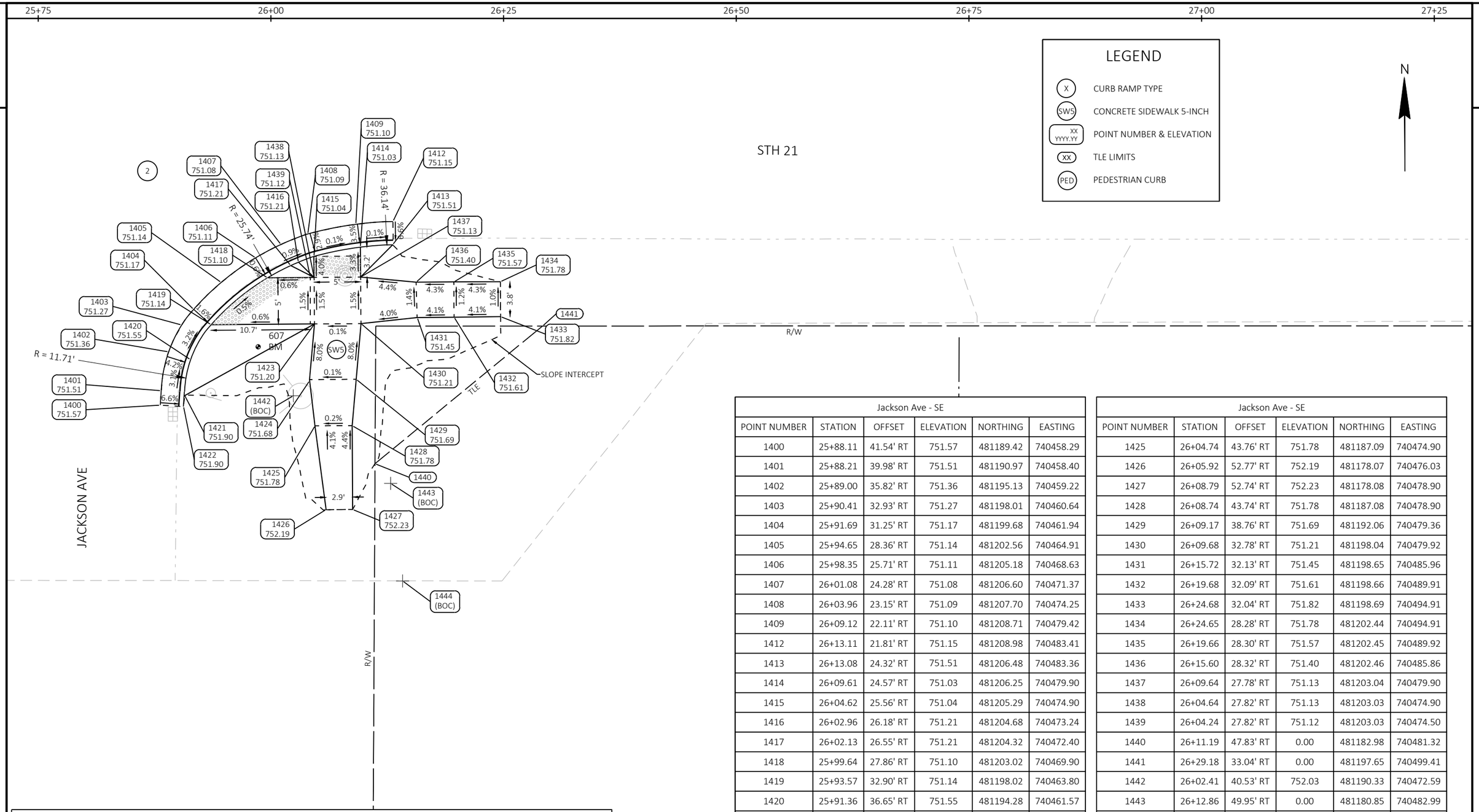
Scott Park Dr - NE					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
1270	25+34.26	28.23' LT	750.93	481259.53	740404.89
1271	25+40.30	33.69' LT	751.16	481264.95	740410.96
1272	25+20.20	32.94' LT	0.00	481264.33	740390.86
1273	25+20.20	36.94' LT	0.00	481268.33	740390.89
1274	25+49.20	36.95' LT	0.00	481268.15	740419.89
1275	25+49.20	32.95' LT	0.00	481264.15	740419.86
1276	25+41.61	48.80' LT	0.00	481280.05	740412.36



LEGEND

- (X) CURB RAMP TYPE
- (SW5) CONCRETE SIDEWALK 5-INCH
- (XX YYYY.YY) POINT NUMBER & ELEVATION
- (XX) TLE LIMITS
- (PED) PEDESTRIAN CURB

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	CURB RAMP DETAILS - SCOTT PARK DR NW/NE	SHEET 56	E



LEGEND

- X — CURB RAMP TYPE
- SW5 — CONCRETE SIDEWALK 5-INCH
- XX YYYY.YY — POINT NUMBER & ELEVATION
- XX — TLE LIMITS
- PED — PEDESTRIAN CURB

N

Jackson Ave - SE					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
1400	25+88.11	41.54' RT	751.57	481189.42	740458.29
1401	25+88.21	39.98' RT	751.51	481190.97	740458.40
1402	25+89.00	35.82' RT	751.36	481195.13	740459.22
1403	25+90.41	32.93' RT	751.27	481198.01	740460.64
1404	25+91.69	31.25' RT	751.17	481199.68	740461.94
1405	25+94.65	28.36' RT	751.14	481202.56	740464.91
1406	25+98.35	25.71' RT	751.11	481205.18	740468.63
1407	26+01.08	24.28' RT	751.08	481206.60	740471.37
1408	26+03.96	23.15' RT	751.09	481207.70	740474.25
1409	26+09.12	22.11' RT	751.10	481208.71	740479.42
1412	26+13.11	21.81' RT	751.15	481208.98	740483.41
1413	26+13.08	24.32' RT	751.51	481206.48	740483.36
1414	26+09.61	24.57' RT	751.03	481206.25	740479.90
1415	26+04.62	25.56' RT	751.04	481205.29	740474.90
1416	26+02.96	26.18' RT	751.21	481204.68	740473.24
1417	26+02.13	26.55' RT	751.21	481204.32	740472.40
1418	25+99.64	27.86' RT	751.10	481203.02	740469.90
1419	25+93.57	32.90' RT	751.14	481198.02	740463.80
1420	25+91.36	36.65' RT	751.55	481194.28	740461.57
1421	25+90.69	40.41' RT	751.90	481190.53	740460.87
1422	25+90.61	41.65' RT	751.90	481189.29	740460.79
1423	26+04.68	32.82' RT	751.20	481198.03	740474.92
1424	26+04.16	38.93' RT	751.68	481191.92	740474.35

Jackson Ave - SE					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
1425	26+04.74	43.76' RT	751.78	481187.09	740474.90
1426	26+05.92	52.77' RT	752.19	481178.07	740476.03
1427	26+08.79	52.74' RT	752.23	481178.08	740478.90
1428	26+08.74	43.74' RT	751.78	481187.08	740478.90
1429	26+09.17	38.76' RT	751.69	481192.06	740479.36
1430	26+09.68	32.78' RT	751.21	481198.04	740479.92
1431	26+15.72	32.13' RT	751.45	481198.65	740485.96
1432	26+19.68	32.09' RT	751.61	481198.66	740489.91
1433	26+24.68	32.04' RT	751.82	481198.69	740494.91
1434	26+24.65	28.28' RT	751.78	481202.44	740494.91
1435	26+19.66	28.30' RT	751.57	481202.45	740489.92
1436	26+15.60	28.32' RT	751.40	481202.46	740485.86
1437	26+09.64	27.78' RT	751.13	481203.04	740479.90
1438	26+04.64	27.82' RT	751.13	481203.03	740474.90
1439	26+04.24	27.82' RT	751.12	481203.03	740474.50
1440	26+11.19	47.83' RT	0.00	481182.98	740481.32
1441	26+29.18	33.04' RT	0.00	481197.65	740499.41
1442	26+02.41	40.53' RT	752.03	481190.33	740472.59
1443	26+12.86	49.95' RT	0.00	481180.85	740482.99
1444	26+14.15	60.42' RT	0.00	481170.37	740484.21

NOTES:

1. CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION
2. THE ENGINEER MAY ADJUST ELEVATIONS TO FIT FIELD CONSTRUCTION
3. DASHED LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATION ONLY AND DO NOT INDICATE JOINT LOCATIONS
4. SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS
5. ALL STATION AND OFFET INFORMATION REFERENCE STH 21 R/L

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	CURB RAMP DETAILS - JACKSON AVE SE	SHEET 57	E

2

LEGEND

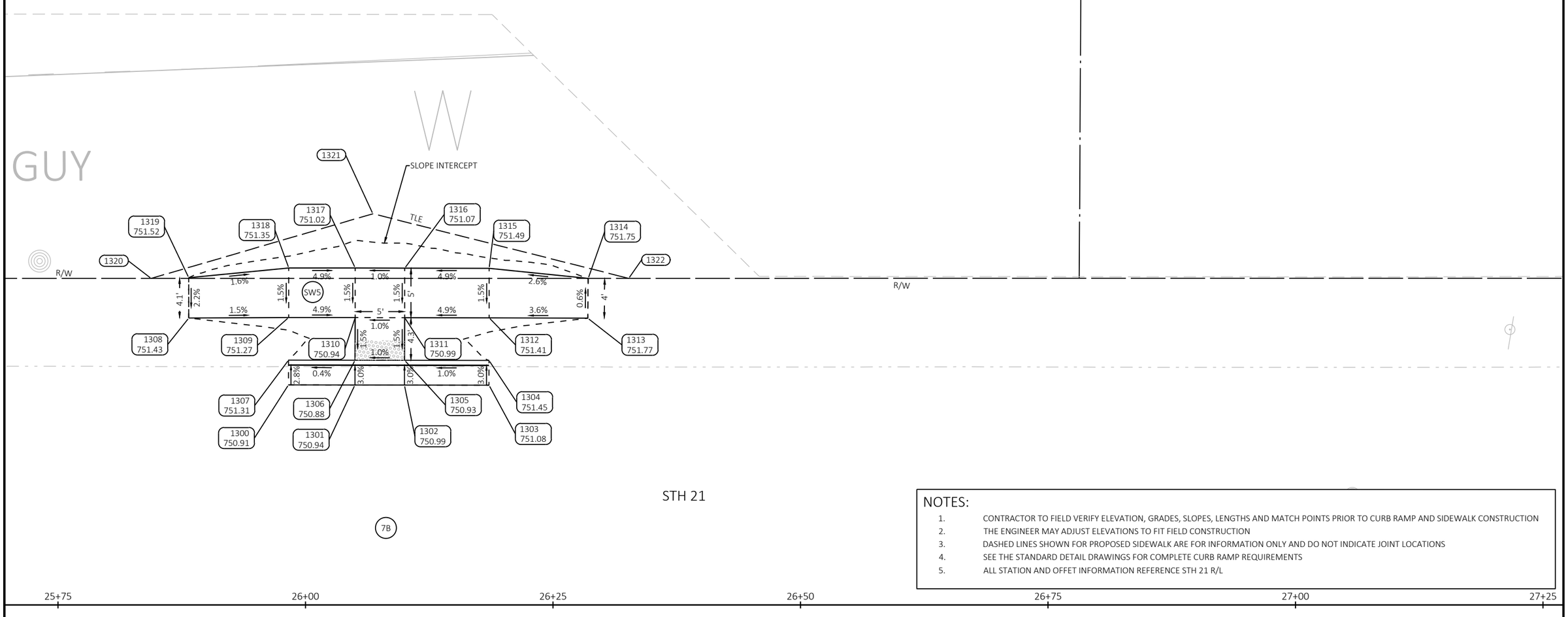
- (X) CURB RAMP TYPE
- (SW5) CONCRETE SIDEWALK 5-INCH
- (XX / YYYY.YY) POINT NUMBER & ELEVATION
- (XX) TLE LIMITS
- (PED) PEDESTRIAN CURB

Jackson Ave - NE					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
1300	25+98.28	22.20' LT	750.91	481253.09	740468.87
1301	26+04.99	22.19' LT	750.94	481253.04	740475.58
1302	26+09.99	22.19' LT	750.99	481253.00	740480.58
1303	26+18.53	22.17' LT	751.08	481252.93	740489.12
1304	26+18.53	24.67' LT	751.45	481255.43	740489.14
1305	26+10.01	24.69' LT	750.93	481255.50	740480.61
1306	26+05.01	24.69' LT	750.88	481255.54	740475.61
1307	25+98.28	24.70' LT	751.31	481255.59	740468.89
1308	25+88.20	28.96' LT	751.43	481259.91	740458.83
1309	25+98.29	29.01' LT	751.27	481259.90	740468.92
1310	26+05.01	29.00' LT	750.94	481259.85	740475.64
1311	26+10.01	28.99' LT	750.99	481259.81	740480.64

Jackson Ave - NE					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
1312	26+18.54	28.98' LT	751.41	481259.74	740489.17
1313	26+28.51	28.94' LT	751.77	481259.63	740499.14
1314	26+28.55	32.96' LT	751.75	481263.66	740499.20
1315	26+18.55	33.98' LT	751.49	481264.74	740489.21
1316	26+10.02	33.99' LT	751.07	481264.81	740480.68
1317	26+05.02	34.00' LT	751.02	481264.85	740475.68
1318	25+98.30	34.01' LT	751.35	481264.90	740468.96
1319	25+88.20	33.02' LT	751.52	481263.97	740458.86
1320	25+84.41	32.95' LT	0.00	481263.93	740455.06
1321	26+06.80	39.48' LT	0.00	481270.31	740477.50
1322	26+32.65	32.96' LT	0.00	481263.63	740503.30

N

2



NOTES:

1. CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION
2. THE ENGINEER MAY ADJUST ELEVATIONS TO FIT FIELD CONSTRUCTION
3. DASHED LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATION ONLY AND DO NOT INDICATE JOINT LOCATIONS
4. SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS
5. ALL STATION AND OFFET INFORMATION REFERENCE STH 21 R/L

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	CURB RAMP DETAILS - JACKSON AVE NE	SHEET 58	E

FILE NAME : N:\PDS\C3D\61803000\SHEETSPLAN\023101-CR.DWG
LAYOUT NAME - 20-Jackson-NE
PLOT DATE : 9/22/2025 9:29 AM
PLOT BY : DANKE, ERIC A
PLOT NAME :
PLOT SCALE : 1 IN:10 FT

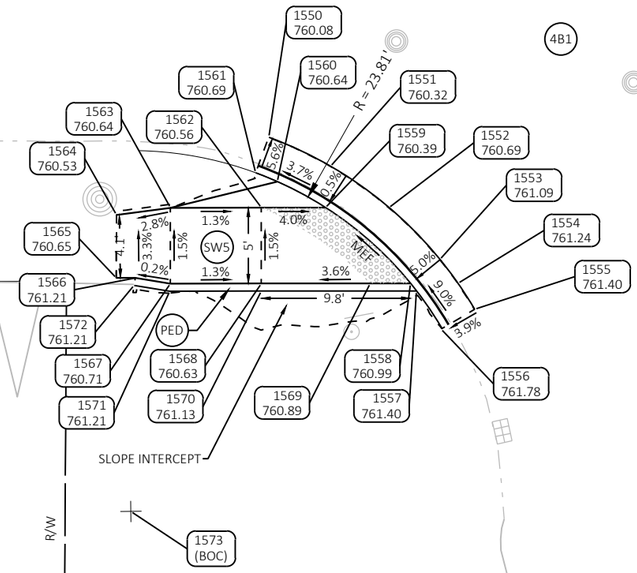
2

LEGEND

- (X) CURB RAMP TYPE
- (SW5) CONCRETE SIDEWALK 5-INCH
- (XX YYYY.YY) POINT NUMBER & ELEVATION
- (XX) TLE LIMITS
- (PED) PEDESTRIAN CURB

STH 21

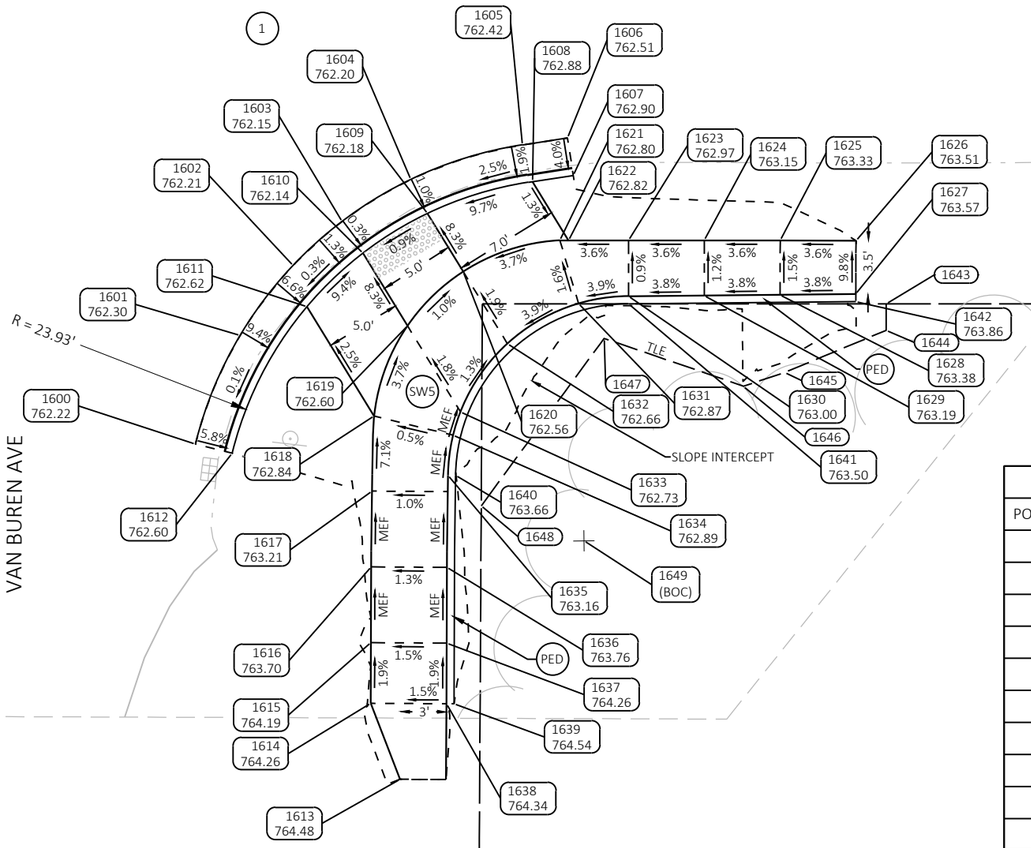
R/W



Van Buren Ave - SW					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
1550	30+16.55	23.45' RT	760.08	481204.76	740886.84
1551	30+20.63	25.37' RT	760.32	481202.82	740890.90
1552	30+24.48	28.09' RT	760.69	481200.07	740894.73
1553	30+27.84	31.51' RT	761.09	481196.63	740898.08
1554	30+29.03	33.09' RT	761.24	481195.04	740899.26
1555	30+30.13	34.80' RT	761.40	481193.32	740900.34
1556	30+27.92	36.11' RT	761.78	481192.03	740898.12
1557	30+26.30	33.59' RT	761.40	481194.56	740896.52
1558	30+25.91	33.09' RT	760.99	481195.06	740896.13
1559	30+20.29	28.09' RT	760.39	481200.09	740890.55
1560	30+17.12	26.38' RT	760.64	481201.83	740887.38
1561	30+15.69	25.80' RT	760.69	481202.42	740885.96
1562	30+16.06	28.10' RT	760.56	481200.12	740886.32
1563	30+10.06	28.10' RT	760.64	481200.15	740880.32
1564	30+06.51	28.57' RT	760.53	481199.71	740876.76
1565	30+06.49	32.73' RT	760.65	481195.55	740876.71
1566	30+07.75	32.73' RT	761.21	481195.54	740877.97
1567	30+10.06	33.10' RT	760.71	481195.15	740880.29
1568	30+16.06	33.10' RT	760.63	481195.12	740886.29
1569	30+23.24	33.09' RT	760.89	481195.08	740893.47
1570	30+16.06	33.60' RT	761.13	481194.62	740886.28
1571	30+10.02	33.60' RT	761.21	481194.65	740880.24
1572	30+07.67	33.22' RT	761.21	481195.05	740877.89
1573	30+07.45	48.13' RT	0.00	481180.14	740877.58

NOTES:

1. CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION
2. THE ENGINEER MAY ADJUST ELEVATIONS TO FIT FIELD CONSTRUCTION
3. DASHED LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATION ONLY AND DO NOT INDICATE JOINT LOCATIONS
4. SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS
5. ALL STATION AND OFFET INFORMATION REFERENCE STH 21 R/L



LEGEND

- (X) CURB RAMP TYPE
- (SW5) CONCRETE SIDEWALK 5-INCH
- (XX / YYYY.YY) POINT NUMBER & ELEVATION
- (XX) TLE LIMITS
- (PED) PEDESTRIAN CURB

NOTES:

1. CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION
2. THE ENGINEER MAY ADJUST ELEVATIONS TO FIT FIELD CONSTRUCTION
3. DASHED LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATION ONLY AND DO NOT INDICATE JOINT LOCATIONS
4. SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS
5. ALL STATION AND OFFET INFORMATION REFERENCE STH 21 R/L

Van Buren Ave - SE					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
1600	30+66.76	42.20' RT	762.22	481185.69	740936.93
1601	30+69.72	35.04' RT	762.30	481192.84	740939.93
1602	30+73.22	30.42' RT	762.21	481197.43	740943.46
1603	30+76.45	27.52' RT	762.15	481200.31	740946.71
1604	30+80.98	24.76' RT	762.20	481203.04	740951.26
1605	30+88.36	22.47' RT	762.42	481205.28	740958.65
1606	30+91.32	22.01' RT	762.51	481205.72	740961.62
1607	30+91.71	24.48' RT	762.90	481203.25	740961.98
1608	30+89.02	24.90' RT	762.88	481202.85	740959.29
1609	30+82.09	27.00' RT	762.18	481200.80	740952.35
1610	30+77.83	29.61' RT	762.14	481198.21	740948.08
1611	30+74.13	33.14' RT	762.62	481194.70	740944.35
1612	30+69.19	42.81' RT	762.60	481185.07	740939.35
1613	30+80.28	64.32' RT	764.48	481163.49	740950.30
1614	30+78.34	59.30' RT	764.26	481168.51	740948.40
1615	30+78.35	55.30' RT	764.19	481172.51	740948.43
1616	30+78.37	50.30' RT	763.70	481177.51	740948.48
1617	30+78.43	45.30' RT	763.21	481182.51	740948.57
1618	30+78.56	40.35' RT	762.84	481187.46	740948.73
1619	30+80.77	34.40' RT	762.60	481193.40	740950.98
1620	30+84.45	30.83' RT	762.56	481196.95	740954.68
1621	30+90.82	28.76' RT	762.80	481198.97	740961.07
1622	30+91.39	28.76' RT	762.82	481198.97	740961.64
1623	30+95.35	28.76' RT	762.97	481198.95	740965.60
1624	31+00.35	28.76' RT	763.15	481198.91	740970.60

Van Buren Ave - SE					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
1625	31+05.37	28.76' RT	763.33	481198.88	740975.62
1626	31+10.37	28.79' RT	763.51	481198.83	740980.61
1627	31+10.35	32.30' RT	763.57	481195.31	740980.57
1628	31+05.35	32.36' RT	763.38	481195.29	740975.57
1629	31+00.35	32.41' RT	763.19	481195.27	740970.57
1630	30+95.35	32.45' RT	763.00	481195.26	740965.57
1631	30+92.05	32.93' RT	762.87	481194.79	740962.28
1632	30+87.36	35.58' RT	762.66	481192.18	740957.57
1633	30+84.26	40.09' RT	762.73	481187.69	740954.44
1634	30+83.78	41.62' RT	762.89	481186.16	740953.95
1635	30+83.44	44.27' RT	763.16	481183.52	740953.60
1636	30+83.36	50.33' RT	763.76	481177.45	740953.48
1637	30+83.35	55.33' RT	764.26	481172.45	740953.43
1638	30+83.34	59.33' RT	764.34	481168.45	740953.40
1639	30+83.84	59.33' RT	764.54	481168.45	740953.90
1640	30+83.94	44.27' RT	763.66	481183.51	740954.09
1641	30+95.35	32.95' RT	763.50	481194.76	740965.57
1642	31+10.35	32.80' RT	763.86	481194.81	740980.58
1643	31+12.36	32.95' RT	0.00	481194.65	740982.58
1644	31+12.36	34.69' RT	0.00	481192.90	740982.57
1645	31+05.65	37.48' RT	0.00	481190.16	740975.85
1646	31+02.93	38.38' RT	0.00	481189.28	740973.12
1647	30+93.74	35.23' RT	0.00	481192.49	740963.95
1648	30+85.63	46.28' RT	0.00	481181.49	740955.77
1649	30+92.41	48.59' RT	0.00	481179.14	740962.53

LEGEND

- (X) CURB RAMP TYPE
- (SW5) CONCRETE SIDEWALK 5-INCH
- (XX / YYYY.YY) POINT NUMBER & ELEVATION
- (XX) TLE LIMITS
- (PED) PEDESTRIAN CURB

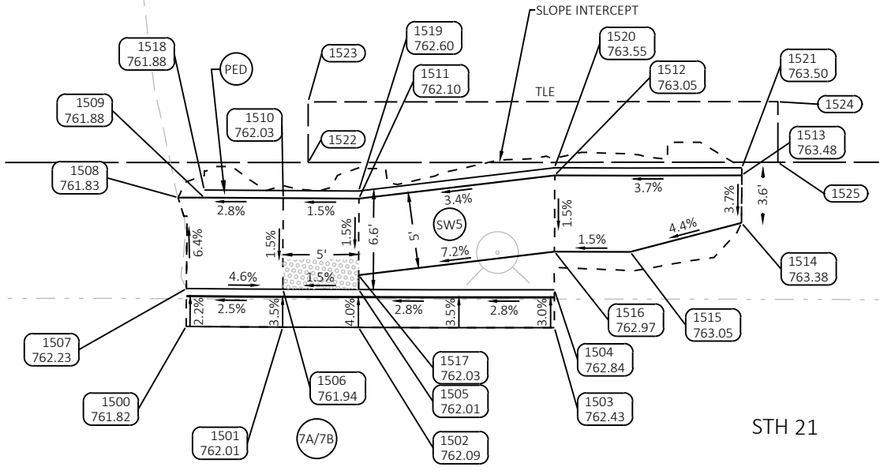
Van Buren Ave - NE					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
1500	30+71.31	22.22' LT	761.82	481250.08	740941.89
1501	30+77.67	22.18' LT	762.01	481250.00	740948.25
1502	30+82.67	22.16' LT	762.09	481249.95	740953.25
1503	30+95.61	22.14' LT	762.43	481249.85	740966.18
1504	30+95.61	24.64' LT	762.84	481252.35	740966.20
1505	30+82.69	24.66' LT	762.01	481252.45	740953.28
1506	30+77.69	24.68' LT	761.94	481252.50	740948.28
1507	30+71.33	24.72' LT	762.23	481252.58	740941.92
1508	30+70.78	30.73' LT	761.83	481258.59	740941.41
1509	30+72.50	30.71' LT	761.88	481258.56	740943.14
1510	30+77.71	30.68' LT	762.03	481258.50	740948.34
1511	30+82.71	30.66' LT	762.10	481258.44	740953.34
1512	30+95.64	32.19' LT	763.05	481259.90	740966.28

Van Buren Ave - NE					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
1513	31+07.98	32.19' LT	763.48	481259.82	740978.62
1514	31+07.96	29.05' LT	763.38	481256.67	740978.58
1515	31+00.62	27.13' LT	763.05	481254.80	740971.22
1516	30+95.62	27.15' LT	762.97	481254.86	740966.22
1517	30+82.69	25.61' LT	762.03	481253.40	740953.29
1518	30+72.51	31.21' LT	761.88	481259.06	740943.14
1519	30+82.68	31.16' LT	762.60	481258.95	740953.32
1520	30+95.61	32.69' LT	763.55	481260.40	740966.25
1521	31+07.98	32.69' LT	763.50	481260.32	740978.62
1522	30+79.37	33.04' LT	0.00	481260.85	740950.01
1523	30+79.37	37.04' LT	0.00	481264.85	740950.04
1524	31+10.37	37.05' LT	0.00	481264.66	740981.04
1525	31+10.37	33.05' LT	0.00	481260.66	740981.01

N

NOTES:

1. CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION
2. THE ENGINEER MAY ADJUST ELEVATIONS TO FIT FIELD CONSTRUCTION
3. DASHED LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATION ONLY AND DO NOT INDICATE JOINT LOCATIONS
4. SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS
5. ALL STATION AND OFFET INFORMATION REFERENCE STH 21 R/L



STH 21

5 30+50 30+75 31+00 31+25 31+50 31+75

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	CURB RAMP DETAILS - VAN BUREN AVE NE	SHEET 61	E

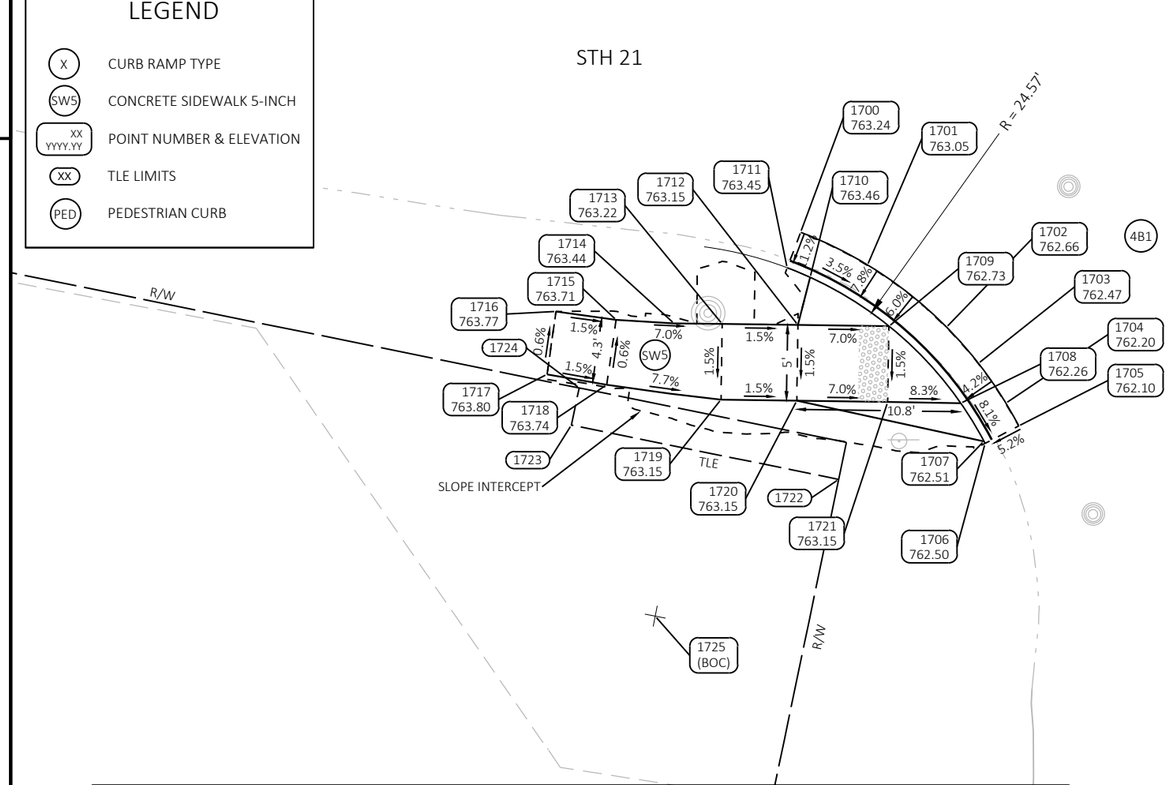
FILE NAME : N:\PDS\C3D\61803000\SHEETSPLAN\023101-CR.DWG
LAYOUT NAME - 23-VanBuren-NE

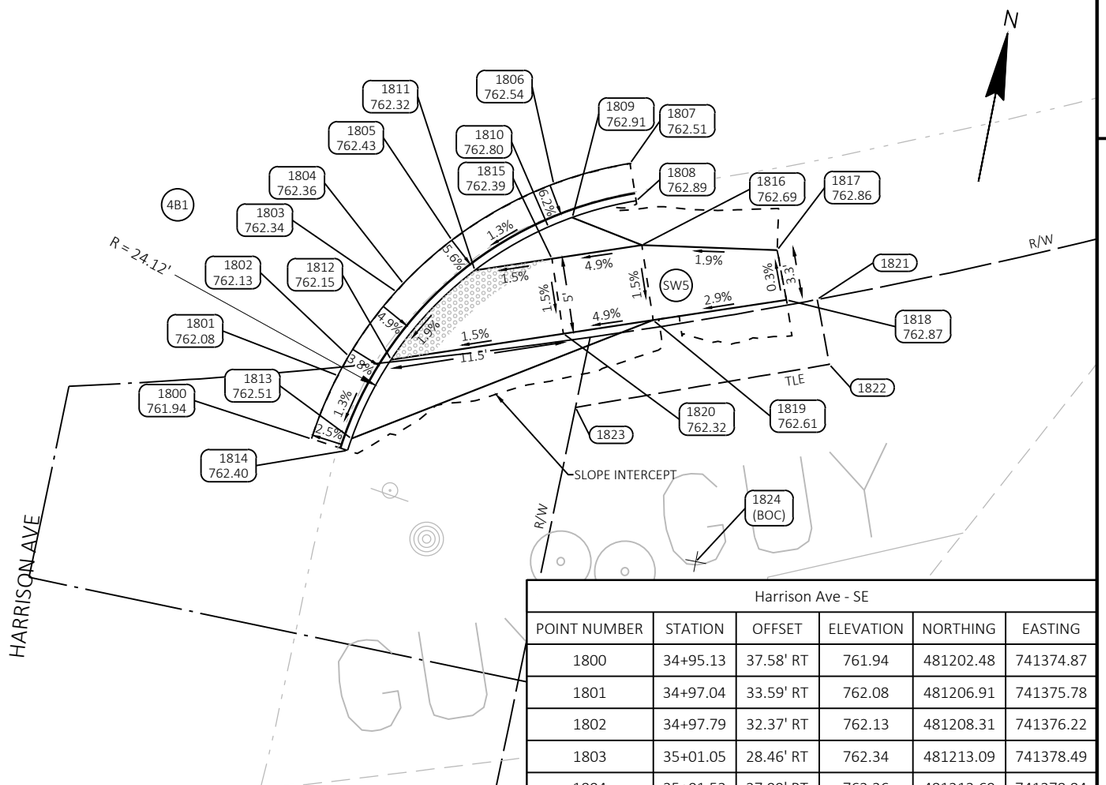
PLOT DATE : 9/22/2025 9:29 AM PLOT BY : DANKE, ERIC A PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 42

LEGEND

- X — CURB RAMP TYPE
- SW5 — CONCRETE SIDEWALK 5-INCH
- XX / YYYY.YY — POINT NUMBER & ELEVATION
- XX — TLE LIMITS
- PED — PEDESTRIAN CURB





NOTES:

1. CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION
2. THE ENGINEER MAY ADJUST ELEVATIONS TO FIT FIELD CONSTRUCTION
3. DASHED LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATION ONLY AND DO NOT INDICATE JOINT LOCATIONS
4. SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS
5. ALL STATION AND OFFET INFORMATION REFERENCE STH 21 R/L

Harrison Ave - SW

POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
1700	34+46.39	23.20' RT	763.24	481205.50	741319.74
1701	34+50.59	25.10' RT	763.05	481204.25	741324.48
1702	34+55.54	28.97' RT	762.66	481201.24	741330.37
1703	34+57.54	31.30' RT	762.47	481199.29	741332.91
1704	34+59.24	33.88' RT	762.20	481197.07	741335.19
1705	34+60.03	35.36' RT	762.10	481195.76	741336.31
1706	34+58.07	36.57' RT	762.50	481194.20	741334.36
1707	34+58.00	36.42' RT	762.51	481194.33	741334.26
1708	34+56.55	33.95' RT	762.26	481196.50	741332.26
1709	34+52.07	29.06' RT	762.73	481200.56	741326.64
1710	34+47.13	26.12' RT	763.46	481202.71	741320.92
1711	34+45.70	25.59' RT	763.45	481203.04	741319.32
1712	34+46.57	29.29' RT	763.15	481199.49	741320.74

Harrison Ave - SW

POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
1713	34+42.00	29.56' RT	763.22	481198.60	741315.82
1714	34+39.10	29.79' RT	763.44	481198.01	741312.70
1715	34+35.60	29.90' RT	763.71	481197.51	741308.90
1716	34+31.94	29.76' RT	763.77	481197.28	741304.90
1717	34+31.81	33.95' RT	763.80	481193.10	741305.12
1718	34+35.42	34.22' RT	763.74	481193.19	741309.12
1719	34+42.28	34.55' RT	763.15	481193.68	741316.71
1720	34+46.78	34.29' RT	763.15	481194.57	741321.63
1721	34+52.20	34.06' RT	763.15	481195.64	741327.53
1722	34+49.53	39.31' RT	0.00	481190.01	741325.35
1723	34+33.57	37.11' RT	0.00	481190.12	741307.35
1724	34+33.80	34.62' RT	0.00	481192.62	741307.38
1725	34+39.45	49.14' RT	0.00	481178.82	741315.20

Harrison Ave - SE

POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
1800	34+95.13	37.58' RT	761.94	481202.48	741374.87
1801	34+97.04	33.59' RT	762.08	481206.91	741375.78
1802	34+97.79	32.37' RT	762.13	481208.31	741376.22
1803	35+01.05	28.46' RT	762.34	481213.09	741378.49
1804	35+01.53	27.99' RT	762.36	481213.69	741378.84
1805	35+04.77	25.51' RT	762.43	481217.12	741381.43
1806	35+11.41	22.71' RT	762.54	481222.06	741387.31
1807	35+16.25	22.12' RT	762.51	481224.36	741391.99
1808	35+16.27	24.62' RT	762.89	481222.01	741392.87
1809	35+12.25	25.08' RT	762.91	481220.12	741388.94
1810	35+10.72	25.47' RT	762.80	481219.21	741387.52
1811	35+05.93	27.68' RT	762.32	481215.46	741383.30
1812	35+00.29	32.90' RT	762.15	481208.61	741379.01
1813	34+97.49	37.81' RT	762.51	481203.00	741377.46
1814	34+97.19	38.56' RT	762.40	481202.19	741377.35
1815	35+10.67	27.58' RT	762.39	481217.20	741388.15
1816	35+16.19	27.56' RT	762.69	481219.22	741393.80
1817	35+24.23	29.37' RT	762.86	481220.63	741402.62
1818	35+24.24	32.72' RT	762.87	481217.52	741403.86
1819	35+16.17	32.56' RT	762.61	481214.52	741395.48
1820	35+10.72	32.58' RT	762.32	481212.49	741389.84
1821	35+26.06	33.07' RT	0.00	481217.93	741405.85
1822	35+26.05	37.42' RT	0.00	481213.89	741407.46
1823	35+10.83	37.50' RT	0.00	481207.87	741391.56
1824	35+16.43	48.74' RT	0.00	481199.42	741401.31

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	CURB RAMP DETAILS - HARRISON AVE SW/SE	SHEET 62	E

2

Maplewood Rd (West) - NW					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
1850	34+42.08	21.90' LT	761.91	481249.72	741309.84
1851	34+53.59	22.17' LT	761.81	481251.44	741320.42
1852	34+59.74	22.76' LT	761.70	481252.96	741325.97
1853	34+65.68	24.45' LT	761.64	481255.61	741331.07
1854	34+67.87	25.37' LT	761.61	481256.91	741332.87
1855	34+71.20	27.14' LT	761.66	481259.26	741335.51
1856	34+76.11	30.78' LT	761.66	481263.78	741339.08
1857	34+74.14	32.55' LT	762.16	481265.11	741336.97
1858	34+73.42	31.91' LT	761.63	481264.35	741336.46
1859	34+61.32	25.69' LT	761.59	481256.09	741326.89
1860	34+53.57	24.67' LT	762.01	481253.90	741320.02
1861	34+41.97	24.40' LT	762.31	481252.18	741309.44
1862	34+54.37	25.88' LT	761.61	481255.22	741320.56
1863	34+54.33	25.39' LT	762.09	481254.72	741320.60
1864	34+47.78	26.52' LT	762.03	481254.96	741314.48
1865	34+47.73	26.02' LT	762.53	481254.46	741314.50
1866	34+42.35	26.97' LT	762.11	481254.77	741309.48
1867	34+42.28	26.47' LT	762.61	481254.27	741309.48
1868	34+36.09	27.96' LT	762.42	481255.13	741303.69

Maplewood Rd (West) - NW					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
1869	34+36.06	27.45' LT	762.43	481254.63	741303.71
1870	34+31.47	28.20' LT	762.66	481254.99	741299.47
1871	34+31.81	32.62' LT	762.75	481259.42	741299.40
1872	34+31.84	33.11' LT	762.81	481259.91	741299.39
1873	34+36.39	32.37' LT	762.47	481259.55	741303.52
1874	34+36.43	32.87' LT	762.97	481260.05	741303.51
1875	34+42.80	31.95' LT	762.17	481259.77	741309.30
1876	34+42.85	32.45' LT	762.67	481260.27	741309.28
1877	34+48.33	31.49' LT	762.10	481259.96	741314.29
1878	34+48.38	31.99' LT	762.60	481260.46	741314.27
1879	34+54.84	30.87' LT	761.68	481260.20	741320.20
1880	34+54.89	31.36' LT	762.18	481260.70	741320.17
1881	34+68.68	31.79' LT	762.15	481263.34	741332.32
1882	34+73.34	32.41' LT	762.13	481264.82	741336.29
1883	34+30.61	31.97' LT	0.00	481258.68	741298.38
1884	34+30.82	34.05' LT	0.00	481260.77	741298.39
1885	34+64.44	34.73' LT	0.00	481265.49	741328.02
1886	34+53.36	49.42' LT	0.00	481278.33	741316.04

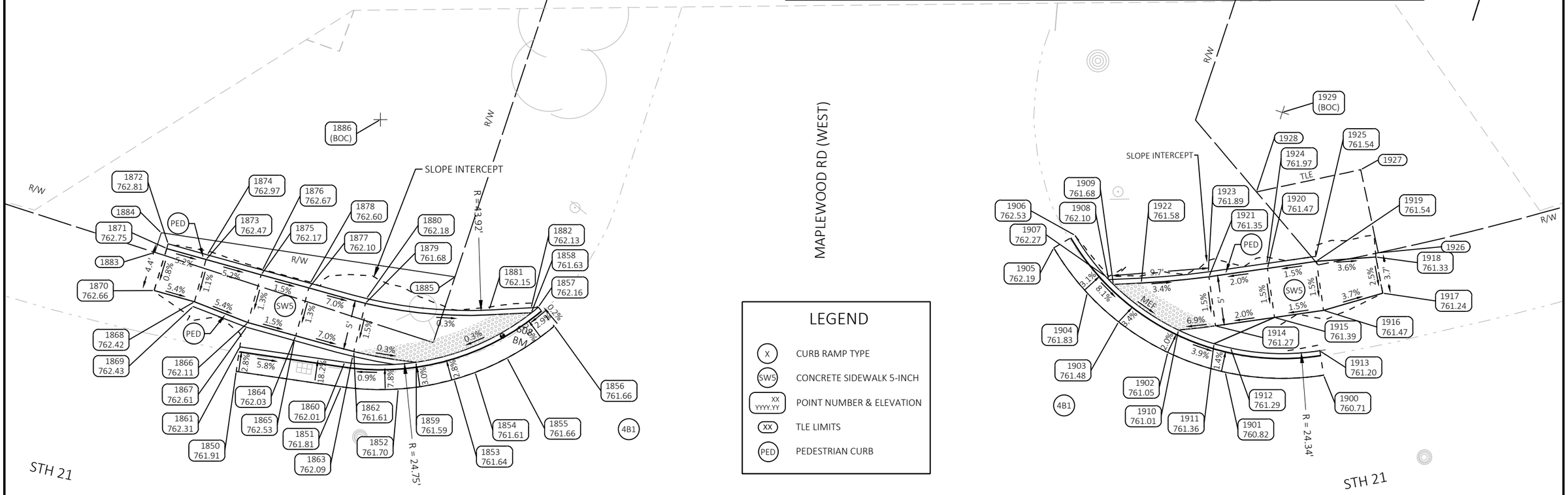
Maplewood Rd (West) - NE					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
1900	35+60.67	21.89' LT	760.71	481282.53	741414.66
1901	35+50.16	23.82' LT	760.82	481279.81	741405.10
1902	35+44.22	26.61' LT	761.05	481279.96	741398.95
1903	35+39.23	30.27' LT	761.48	481281.39	741393.30
1904	35+36.09	33.52' LT	761.83	481283.22	741389.40
1905	35+32.80	38.38' LT	762.19	481286.53	741384.79
1906	35+35.38	39.44' LT	762.53	481288.39	741386.46
1907	35+38.33	35.00' LT	762.27	481285.39	741390.63
1908	35+38.65	34.63' LT	762.10	481285.16	741391.05
1909	35+39.12	34.10' LT	761.68	481284.85	741391.64
1910	35+45.71	28.70' LT	761.01	481282.44	741399.30
1911	35+49.40	26.83' LT	761.36	481282.21	741403.14
1912	35+51.14	26.16' LT	761.29	481282.30	741404.87
1913	35+60.74	24.39' LT	761.20	481284.77	741413.55
1914	35+49.86	28.59' LT	761.27	481283.98	741402.75

Maplewood Rd (West) - NE					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
1915	35+56.47	28.50' LT	761.39	481286.59	741408.18
1916	35+61.96	28.33' LT	761.47	481288.77	741412.68
1917	35+68.77	28.86' LT	761.24	481292.22	741417.86
1918	35+68.85	32.58' LT	761.33	481295.50	741416.09
1919	35+62.20	33.33' LT	761.54	481293.28	741410.50
1920	35+56.62	33.50' LT	761.47	481291.09	741406.00
1921	35+49.94	33.59' LT	761.35	481288.50	741400.62
1922	35+42.28	33.90' LT	761.58	481285.83	741394.30
1923	35+49.95	34.09' LT	761.89	481288.95	741400.40
1924	35+56.63	34.00' LT	761.97	481291.54	741405.78
1925	35+62.22	33.82' LT	761.54	481293.72	741410.28
1926	35+69.21	32.94' LT	0.00	481295.97	741416.20
1927	35+69.21	41.51' LT	0.00	481303.43	741411.97
1928	35+56.84	41.29' LT	0.00	481298.12	741402.60
1929	35+61.48	48.72' LT	0.00	481306.54	741402.67

2

NOTES:

1. CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION
2. THE ENGINEER MAY ADJUST ELEVATIONS TO FIT FIELD CONSTRUCTION
3. DASHED LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATION ONLY AND DO NOT INDICATE JOINT LOCATIONS
4. SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS
5. ALL STATION AND OFFET INFORMATION REFERENCE STH 21 R/L



LEGEND

X	CURB RAMP TYPE
SW5	CONCRETE SIDEWALK 5-INCH
XX YYYY.YY	POINT NUMBER & ELEVATION
XX	TLE LIMITS
PED	PEDESTRIAN CURB

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	CURB RAMP DETAILS - MAPLEWOOD RD (WEST) NW/NE	SHEET 63 E

FILE NAME : N:\PDS\C3D\61803000\SHEETSPLAN\023101-CR.DWG
LAYOUT NAME - 25-Maplewood(West)-NW-NE

PLOT DATE : 9/22/2025 9:29 AM PLOT BY : DANKE, ERIC A PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 42

2

Maplewood Rd (East) - NW					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
1950	38+12.18	22.34' LT	761.55	481447.64	741593.63
1951	38+16.10	23.13' LT	761.61	481451.01	741595.78
1952	38+20.75	24.93' LT	761.68	481455.61	741597.72
1953	38+25.01	27.53' LT	761.91	481460.48	741598.81
1954	38+26.42	28.66' LT	762.00	481462.28	741598.97
1955	38+28.71	30.89' LT	762.23	481465.47	741598.95
1956	38+31.02	33.77' LT	762.55	481469.13	741598.48
1957	38+31.73	34.86' LT	762.64	481470.40	741598.19
1958	38+29.60	36.18' LT	762.57	481469.79	741595.77
1959	38+27.84	33.70' LT	762.52	481466.80	741596.33
1960	38+26.54	32.22' LT	762.14	481464.84	741596.49
1961	38+19.68	27.17' LT	761.67	481456.39	741595.36
1962	38+15.42	25.54' LT	761.99	481452.19	741593.58
1963	38+14.46	25.29' LT	762.06	481451.33	741593.09
1964	38+11.87	24.82' LT	762.01	481449.14	741591.63

Maplewood Rd (East) - NW					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
1965	38+13.50	27.12' LT	761.79	481451.91	741591.10
1966	38+07.50	27.08' LT	761.97	481447.56	741586.97
1967	38+02.48	27.05' LT	762.05	481443.93	741583.51
1968	37+92.74	28.96' LT	761.88	481438.24	741575.37
1969	37+92.76	32.52' LT	761.99	481440.73	741572.82
1970	38+02.45	32.54' LT	762.13	481447.72	741579.54
1971	38+02.46	32.05' LT	762.12	481447.38	741579.89
1972	38+13.46	32.12' LT	761.87	481455.35	741587.48
1973	38+13.46	32.62' LT	762.37	481455.70	741587.12
1974	38+27.01	32.72' LT	762.57	481465.52	741596.45
1975	38+19.48	35.01' LT	0.00	481461.69	741589.58
1976	38+06.74	37.08' LT	0.00	481453.96	741579.25
1977	38+02.85	33.15' LT	0.00	481448.43	741579.37
1978	38+08.85	49.07' LT	0.00	481463.80	741572.08

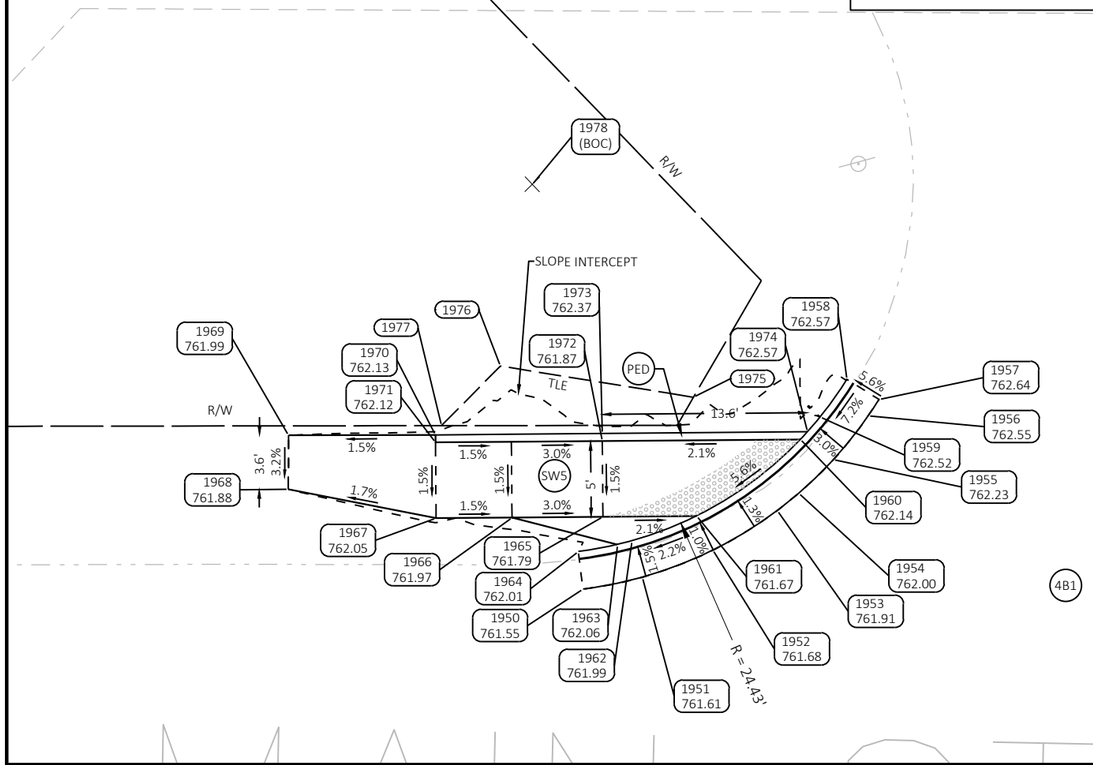
Maplewood Rd (East) - NE					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
2000	38+83.77	37.41' LT	762.88	481509.63	741632.48
2001	38+86.04	33.50' LT	762.79	481508.55	741636.88
2002	38+87.83	31.22' LT	762.70	481508.25	741639.76
2003	38+90.65	28.46' LT	762.64	481508.37	741643.71
2004	38+93.44	26.38' LT	762.64	481508.93	741647.13
2005	39+00.17	23.29' LT	762.68	481511.63	741654.03
2006	39+07.49	22.17' LT	762.72	481516.12	741659.92
2007	39+12.77	22.11' LT	762.73	481519.88	741663.63
2008	39+12.80	24.61' LT	763.11	481521.64	741661.85
2009	39+07.52	24.67' LT	763.10	481517.88	741658.14
2010	39+00.84	25.70' LT	763.11	481513.78	741652.77
2011	38+94.89	28.42' LT	762.62	481511.39	741646.68
2012	38+89.19	33.47' LT	762.66	481510.80	741639.08
2013	38+86.03	38.47' LT	763.34	481511.99	741633.29
2014	38+99.27	28.38' LT	762.64	481514.52	741649.74

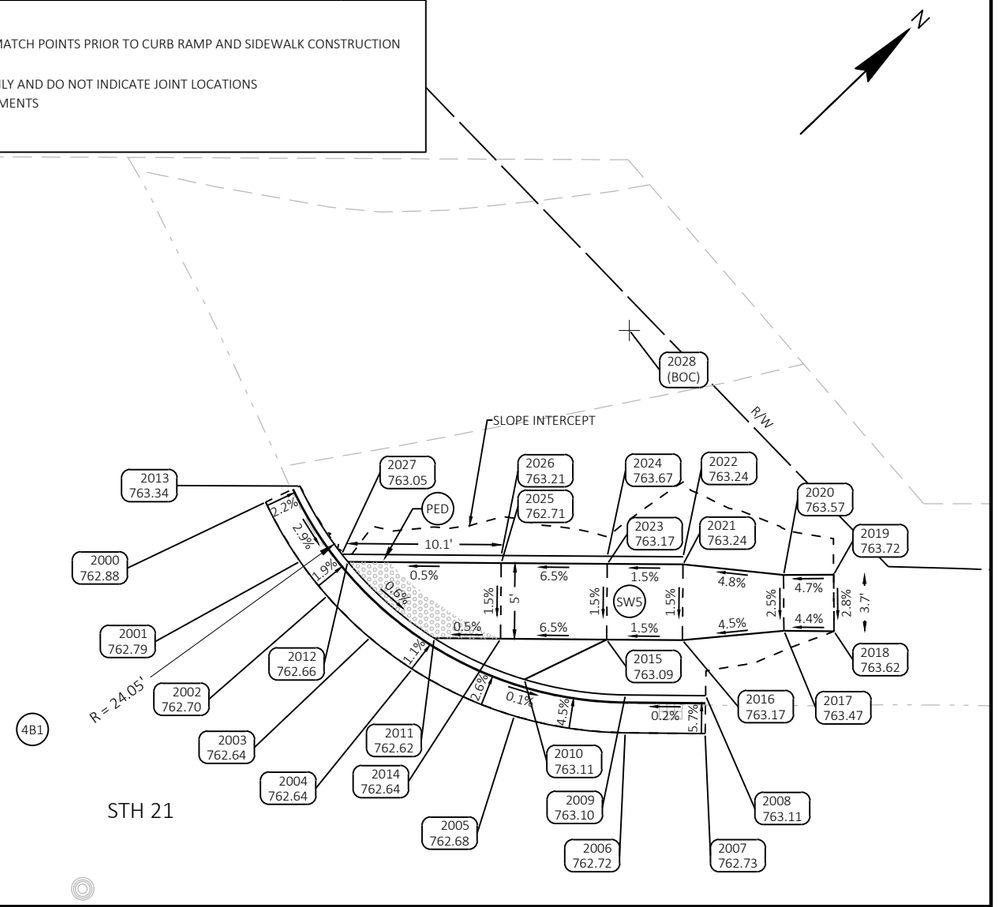
Maplewood Rd (East) - NE					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
2015	39+06.27	28.32' LT	763.09	481519.51	741654.65
2016	39+11.27	28.28' LT	763.17	481523.08	741658.15
2017	39+17.80	28.89' LT	763.47	481528.33	741662.36
2018	39+20.89	28.90' LT	763.62	481530.69	741664.68
2019	39+20.82	32.63' LT	763.72	481533.26	741661.98
2020	39+17.76	32.58' LT	763.57	481530.87	741659.69
2021	39+11.31	33.28' LT	763.24	481526.58	741654.58
2022	39+11.32	33.78' LT	763.24	481526.94	741654.22
2023	39+06.31	33.32' LT	763.17	481523.02	741651.08
2024	39+06.32	33.82' LT	763.67	481523.37	741650.72
2025	38+99.31	33.38' LT	762.71	481518.02	741646.17
2026	38+99.32	33.88' LT	763.21	481518.37	741645.82
2027	38+88.79	33.97' LT	763.05	481510.86	741638.44
2028	39+07.79	48.72' LT	0.00	481534.77	741641.02

2

NOTES:

1. CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION
2. THE ENGINEER MAY ADJUST ELEVATIONS TO FIT FIELD CONSTRUCTION
3. DASHED LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATION ONLY AND DO NOT INDICATE JOINT LOCATIONS
4. SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS
5. ALL STATION AND OFFET INFORMATION REFERENCE STH 21 R/L





PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	CURB RAMP DETAILS - MAPLEWOOD RD (EAST) NW/NE	SHEET 64	E

FILE NAME : N:\PDS\C3D\618030000\SHEETSPLAN\023101-CR.DWG
LAYOUT NAME - 26-Maplewood(East)-NW-NE

PLOT DATE : 9/22/2025 9:29 AM PLOT BY : DANKE, ERIC A PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 42

2

Omreau Ave - NW					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
2050	42+51.54	22.87' LT	764.74	481654.36	741983.67
2051	42+58.08	25.85' LT	764.65	481657.15	741990.67
2052	42+62.07	29.04' LT	764.68	481660.18	741994.93
2053	42+63.74	30.74' LT	764.70	481661.81	741996.67
2054	42+65.30	32.61' LT	764.72	481663.62	741998.30
2055	42+66.45	34.28' LT	764.80	481665.24	741999.52
2056	42+67.96	37.01' LT	764.87	481667.92	742001.14
2057	42+70.32	44.21' LT	764.91	481675.01	742003.77
2058	42+67.85	44.64' LT	765.25	481675.54	742001.33
2059	42+63.30	34.11' LT	764.68	481665.20	741996.36
2060	42+58.05	28.82' LT	764.64	481660.12	741990.74
2061	42+52.97	25.97' LT	765.11	481657.43	741985.25
2062	42+50.93	25.29' LT	765.11	481656.79	741983.07

Omreau Ave - NW					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
2063	42+54.07	28.64' LT	764.66	481660.06	741986.48
2064	42+53.89	33.63' LT	764.73	481665.06	741986.41
2065	42+48.35	33.45' LT	765.09	481664.98	741980.41
2066	42+48.46	28.45' LT	765.02	481659.98	741980.48
2067	42+43.79	28.36' LT	765.09	481659.91	741975.48
2068	42+43.73	33.36' LT	765.17	481664.91	741975.41
2069	42+36.86	32.62' LT	765.34	481664.10	741968.00
2070	42+36.85	29.07' LT	765.28	481660.55	741968.05
2071	42+27.73	36.88' LT	0.00	481668.07	741957.97
2072	42+27.73	38.28' LT	0.00	481669.47	741957.91
2073	42+56.33	45.28' LT	0.00	481676.63	741989.39
2074	42+45.34	49.22' LT	0.00	481680.78	741977.20

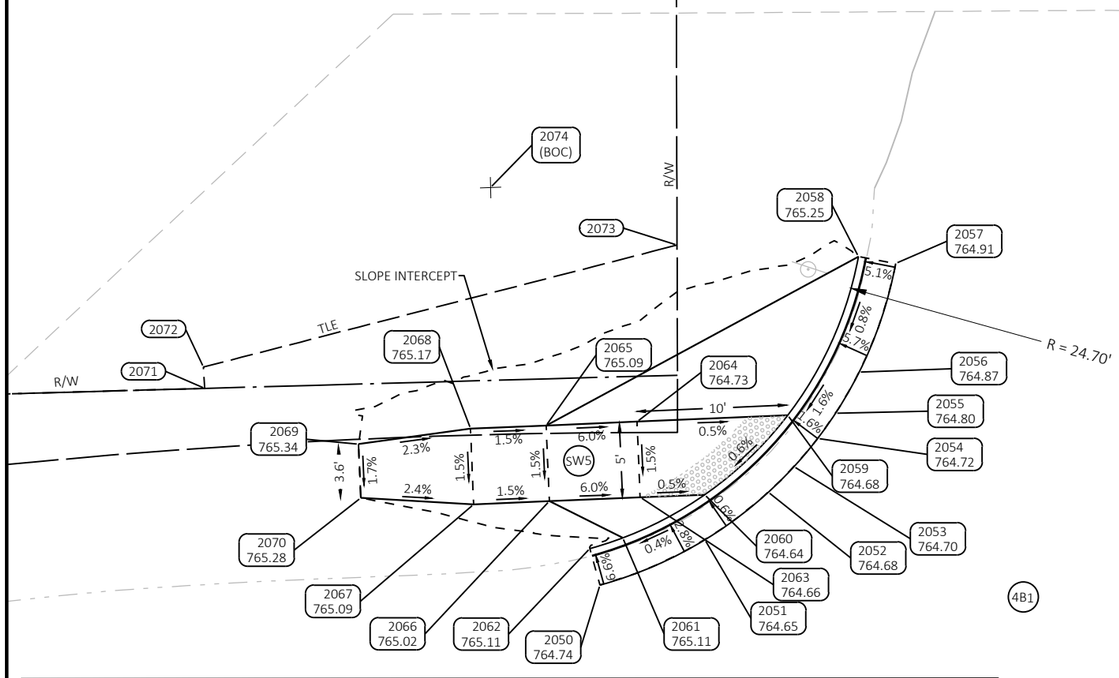
LEGEND

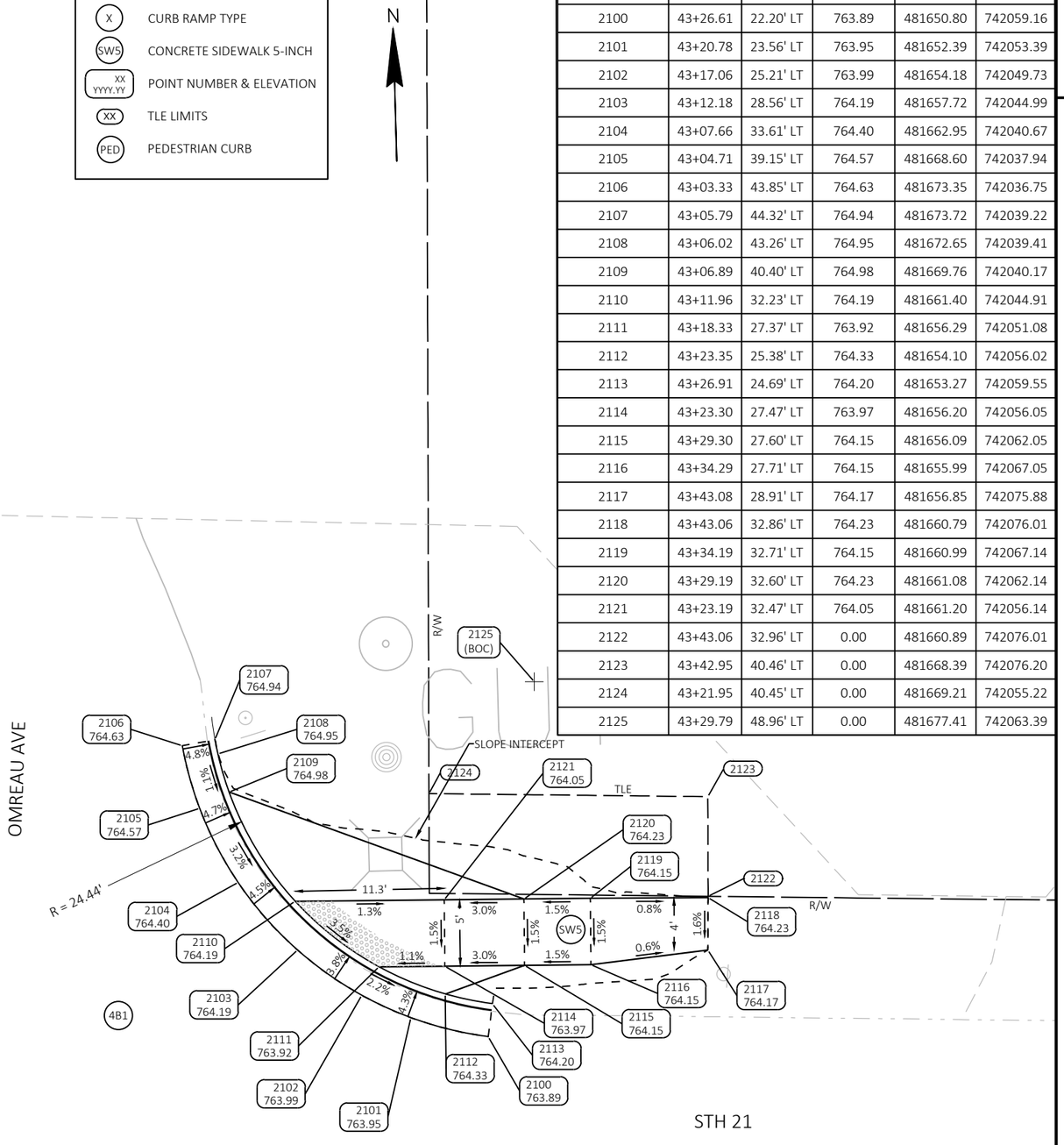
- (X) CURB RAMP TYPE
- (SW5) CONCRETE SIDEWALK 5-INCH
- (XX YYYY.YY) POINT NUMBER & ELEVATION
- (XX) TLE LIMITS
- (PED) PEDESTRIAN CURB

N

Omreau Ave - NE					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
2100	43+26.61	22.20' LT	763.89	481650.80	742059.16
2101	43+20.78	23.56' LT	763.95	481652.39	742053.39
2102	43+17.06	25.21' LT	763.99	481654.18	742049.73
2103	43+12.18	28.56' LT	764.19	481657.72	742044.99
2104	43+07.66	33.61' LT	764.40	481662.95	742040.67
2105	43+04.71	39.15' LT	764.57	481668.60	742037.94
2106	43+03.33	43.85' LT	764.63	481673.35	742036.75
2107	43+05.79	44.32' LT	764.94	481673.72	742039.22
2108	43+06.02	43.26' LT	764.95	481672.65	742039.41
2109	43+06.89	40.40' LT	764.98	481669.76	742040.17
2110	43+11.96	32.23' LT	764.19	481661.40	742044.91
2111	43+18.33	27.37' LT	763.92	481656.29	742051.08
2112	43+23.35	25.38' LT	764.33	481654.10	742056.02
2113	43+26.91	24.69' LT	764.20	481653.27	742059.55
2114	43+23.30	27.47' LT	763.97	481656.20	742056.05
2115	43+29.30	27.60' LT	764.15	481656.09	742062.05
2116	43+34.29	27.71' LT	764.15	481655.99	742067.05
2117	43+43.08	28.91' LT	764.17	481656.85	742075.88
2118	43+43.06	32.86' LT	764.23	481660.79	742076.01
2119	43+34.19	32.71' LT	764.15	481660.99	742067.14
2120	43+29.19	32.60' LT	764.23	481661.08	742062.14
2121	43+23.19	32.47' LT	764.05	481661.20	742056.14
2122	43+43.06	32.96' LT	0.00	481660.89	742076.01
2123	43+42.95	40.46' LT	0.00	481668.39	742076.20
2124	43+21.95	40.45' LT	0.00	481669.21	742055.22
2125	43+29.79	48.96' LT	0.00	481677.41	742063.39

2

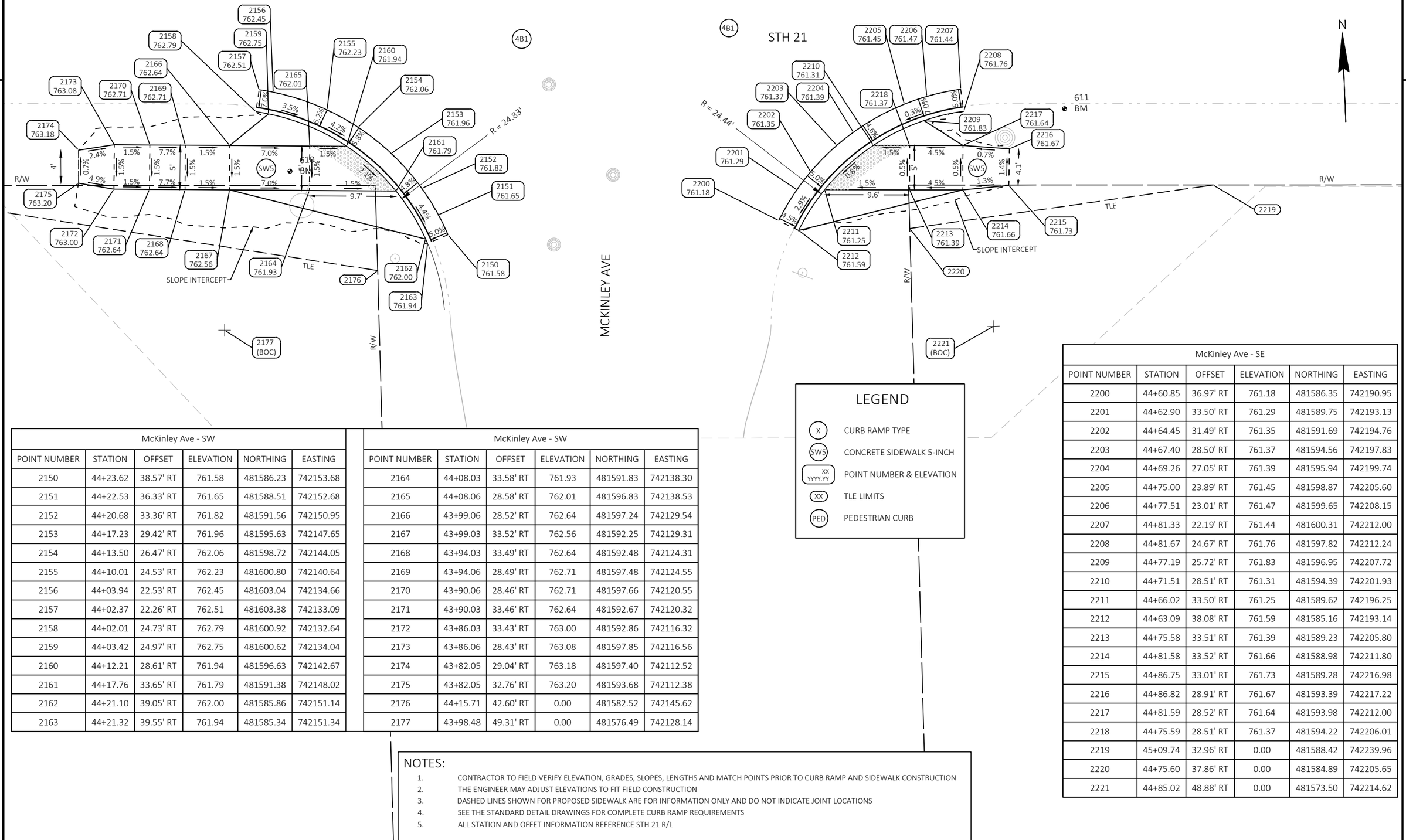




NOTES:

1. CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION
2. THE ENGINEER MAY ADJUST ELEVATIONS TO FIT FIELD CONSTRUCTION
3. DASHED LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATION ONLY AND DO NOT INDICATE JOINT LOCATIONS
4. SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS
5. ALL STATION AND OFFET INFORMATION REFERENCE STH 21 R/L

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	CURB RAMP DETAILS - OMREAU AVE NW/NE	SHEET 65	E



McKinley Ave - SW					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
2150	44+23.62	38.57' RT	761.58	481586.23	742153.68
2151	44+22.53	36.33' RT	761.65	481588.51	742152.68
2152	44+20.68	33.36' RT	761.82	481591.56	742150.95
2153	44+17.23	29.42' RT	761.96	481595.63	742147.65
2154	44+13.50	26.47' RT	762.06	481598.72	742144.05
2155	44+10.01	24.53' RT	762.23	481600.80	742140.64
2156	44+03.94	22.53' RT	762.45	481603.04	742134.66
2157	44+02.37	22.26' RT	762.51	481603.38	742133.09
2158	44+02.01	24.73' RT	762.79	481600.92	742132.64
2159	44+03.42	24.97' RT	762.75	481600.62	742134.04
2160	44+12.21	28.61' RT	761.94	481596.63	742142.67
2161	44+17.76	33.65' RT	761.79	481591.38	742148.02
2162	44+21.10	39.05' RT	762.00	481585.86	742151.14
2163	44+21.32	39.55' RT	761.94	481585.34	742151.34

McKinley Ave - SW					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
2164	44+08.03	33.58' RT	761.93	481591.83	742138.30
2165	44+08.06	28.58' RT	762.01	481596.83	742138.53
2166	43+99.06	28.52' RT	762.64	481597.24	742129.54
2167	43+99.03	33.52' RT	762.56	481592.25	742129.31
2168	43+94.03	33.49' RT	762.64	481592.48	742124.31
2169	43+94.06	28.49' RT	762.71	481597.48	742124.55
2170	43+90.06	28.46' RT	762.71	481597.66	742120.55
2171	43+90.03	33.46' RT	762.64	481592.67	742120.32
2172	43+86.03	33.43' RT	763.00	481592.86	742116.32
2173	43+86.06	28.43' RT	763.08	481597.85	742116.56
2174	43+82.05	29.04' RT	763.18	481597.40	742112.52
2175	43+82.05	32.76' RT	763.20	481593.68	742112.38
2176	44+15.71	42.60' RT	0.00	481582.52	742145.62
2177	43+98.48	49.31' RT	0.00	481576.49	742128.14

McKinley Ave - SE					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
2200	44+60.85	36.97' RT	761.18	481586.35	742190.95
2201	44+62.90	33.50' RT	761.29	481589.75	742193.13
2202	44+64.45	31.49' RT	761.35	481591.69	742194.76
2203	44+67.40	28.50' RT	761.37	481594.56	742197.83
2204	44+69.26	27.05' RT	761.39	481595.94	742199.74
2205	44+75.00	23.89' RT	761.45	481598.87	742205.60
2206	44+77.51	23.01' RT	761.47	481599.65	742208.15
2207	44+81.33	22.19' RT	761.44	481600.31	742212.00
2208	44+81.67	24.67' RT	761.76	481597.82	742212.24
2209	44+77.19	25.72' RT	761.83	481596.95	742207.72
2210	44+71.51	28.51' RT	761.31	481594.39	742201.93
2211	44+66.02	33.50' RT	761.25	481589.62	742196.25
2212	44+63.09	38.08' RT	761.59	481585.16	742193.14
2213	44+75.58	33.51' RT	761.39	481589.23	742205.80
2214	44+81.58	33.52' RT	761.66	481588.98	742211.80
2215	44+86.75	33.01' RT	761.73	481589.28	742216.98
2216	44+86.82	28.91' RT	761.67	481593.39	742217.22
2217	44+81.59	28.52' RT	761.64	481593.98	742212.00
2218	44+75.59	28.51' RT	761.37	481594.22	742206.01
2219	45+09.74	32.96' RT	0.00	481588.42	742239.96
2220	44+75.60	37.86' RT	0.00	481584.89	742205.65
2221	44+85.02	48.88' RT	0.00	481573.50	742214.62

LEGEND

- (X) CURB RAMP TYPE
- (SW5) CONCRETE SIDEWALK 5-INCH
- (XX YYYY.YY) POINT NUMBER & ELEVATION
- (XX) TLE LIMITS
- (PED) PEDESTRIAN CURB

NOTES:

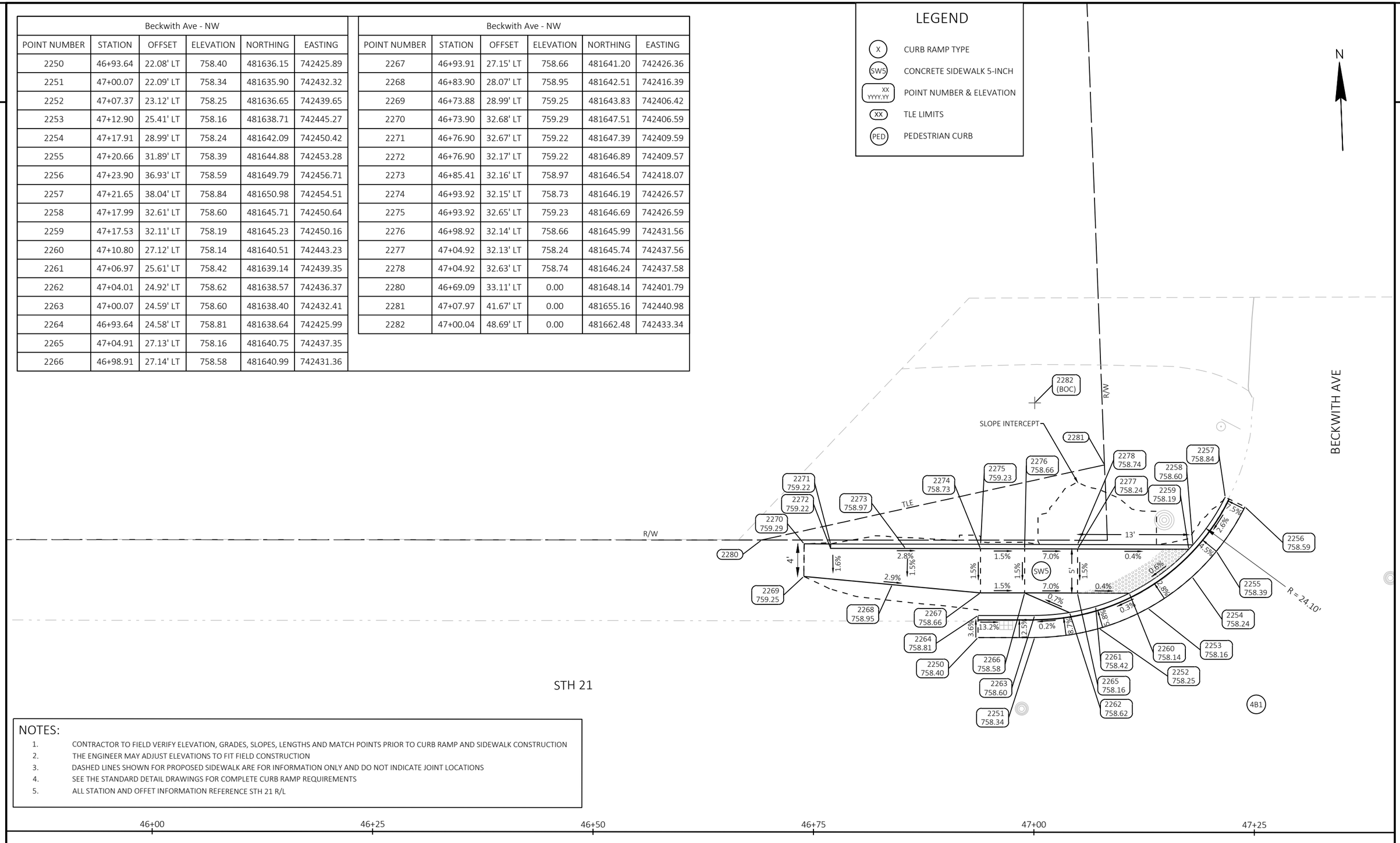
1. CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION
2. THE ENGINEER MAY ADJUST ELEVATIONS TO FIT FIELD CONSTRUCTION
3. DASHED LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATION ONLY AND DO NOT INDICATE JOINT LOCATIONS
4. SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS
5. ALL STATION AND OFFET INFORMATION REFERENCE STH 21 R/L

Beckwith Ave - NW					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
2250	46+93.64	22.08' LT	758.40	481636.15	742425.89
2251	47+00.07	22.09' LT	758.34	481635.90	742432.32
2252	47+07.37	23.12' LT	758.25	481636.65	742439.65
2253	47+12.90	25.41' LT	758.16	481638.71	742445.27
2254	47+17.91	28.99' LT	758.24	481642.09	742450.42
2255	47+20.66	31.89' LT	758.39	481644.88	742453.28
2256	47+23.90	36.93' LT	758.59	481649.79	742456.71
2257	47+21.65	38.04' LT	758.84	481650.98	742454.51
2258	47+17.99	32.61' LT	758.60	481645.71	742450.64
2259	47+17.53	32.11' LT	758.19	481645.23	742450.16
2260	47+10.80	27.12' LT	758.14	481640.51	742443.23
2261	47+06.97	25.61' LT	758.42	481639.14	742439.35
2262	47+04.01	24.92' LT	758.62	481638.57	742436.37
2263	47+00.07	24.59' LT	758.60	481638.40	742432.41
2264	46+93.64	24.58' LT	758.81	481638.64	742425.99
2265	47+04.91	27.13' LT	758.16	481640.75	742437.35
2266	46+98.91	27.14' LT	758.58	481640.99	742431.36

Beckwith Ave - NW					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
2267	46+93.91	27.15' LT	758.66	481641.20	742426.36
2268	46+83.90	28.07' LT	758.95	481642.51	742416.39
2269	46+73.88	28.99' LT	759.25	481643.83	742406.42
2270	46+73.90	32.68' LT	759.29	481647.51	742406.59
2271	46+76.90	32.67' LT	759.22	481647.39	742409.59
2272	46+76.90	32.17' LT	759.22	481646.89	742409.57
2273	46+85.41	32.16' LT	758.97	481646.54	742418.07
2274	46+93.92	32.15' LT	758.73	481646.19	742426.57
2275	46+93.92	32.65' LT	759.23	481646.69	742426.59
2276	46+98.92	32.14' LT	758.66	481645.99	742431.56
2277	47+04.92	32.13' LT	758.24	481645.74	742437.56
2278	47+04.92	32.63' LT	758.74	481646.24	742437.58
2280	46+69.09	33.11' LT	0.00	481648.14	742401.79
2281	47+07.97	41.67' LT	0.00	481655.16	742440.98
2282	47+00.04	48.69' LT	0.00	481662.48	742433.34

LEGEND

- X — CURB RAMP TYPE
- SW5 — CONCRETE SIDEWALK 5-INCH
- XX YYYY.YY — POINT NUMBER & ELEVATION
- XX — TLE LIMITS
- PED — PEDESTRIAN CURB



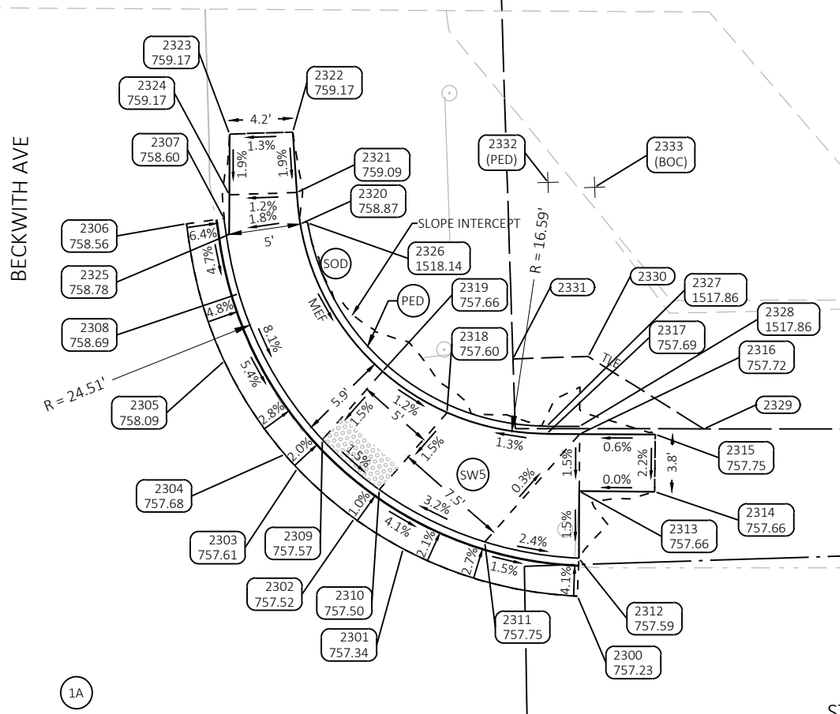
NOTES:

1. CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION
2. THE ENGINEER MAY ADJUST ELEVATIONS TO FIT FIELD CONSTRUCTION
3. DASHED LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATION ONLY AND DO NOT INDICATE JOINT LOCATIONS
4. SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS
5. ALL STATION AND OFFET INFORMATION REFERENCE STH 21 R/L

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	CURB RAMP DETAILS - BECKWITH AVE NW	SHEET 67	E

LEGEND

- X — CURB RAMP TYPE
- SW5 — CONCRETE SIDEWALK 5-INCH
- XX YYYY.YY — POINT NUMBER & ELEVATION
- XX — TLE LIMITS
- PED — PEDESTRIAN CURB



Beckwith Ave - NE					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
2300	47+84.62	22.11' LT	757.23	481632.68	742516.71
2301	47+73.09	25.19' LT	757.34	481636.18	742505.32
2302	47+69.85	27.19' LT	757.52	481638.29	742502.16
2303	47+66.07	30.48' LT	757.61	481641.71	742498.52
2304	47+65.23	31.40' LT	757.68	481642.66	742497.71
2305	47+61.22	37.53' LT	758.09	481648.95	742493.94
2306	47+58.65	46.58' LT	758.56	481658.08	742491.73
2307	47+61.14	46.95' LT	758.60	481658.36	742494.21
2308	47+62.15	41.98' LT	758.69	481653.36	742495.04
2309	47+67.72	32.37' LT	757.57	481643.54	742500.23
2310	47+71.50	29.08' LT	757.50	481640.12	742503.88
2311	47+78.49	25.66' LT	757.75	481636.45	742510.72
2312	47+84.72	24.60' LT	757.59	481635.17	742516.90
2313	47+84.74	29.05' LT	757.66	481639.61	742517.07
2314	47+89.72	29.02' LT	757.66	481639.41	742522.04
2315	47+89.76	32.80' LT	757.75	481643.19	742522.21
2316	47+84.75	32.81' LT	757.72	481643.37	742517.21

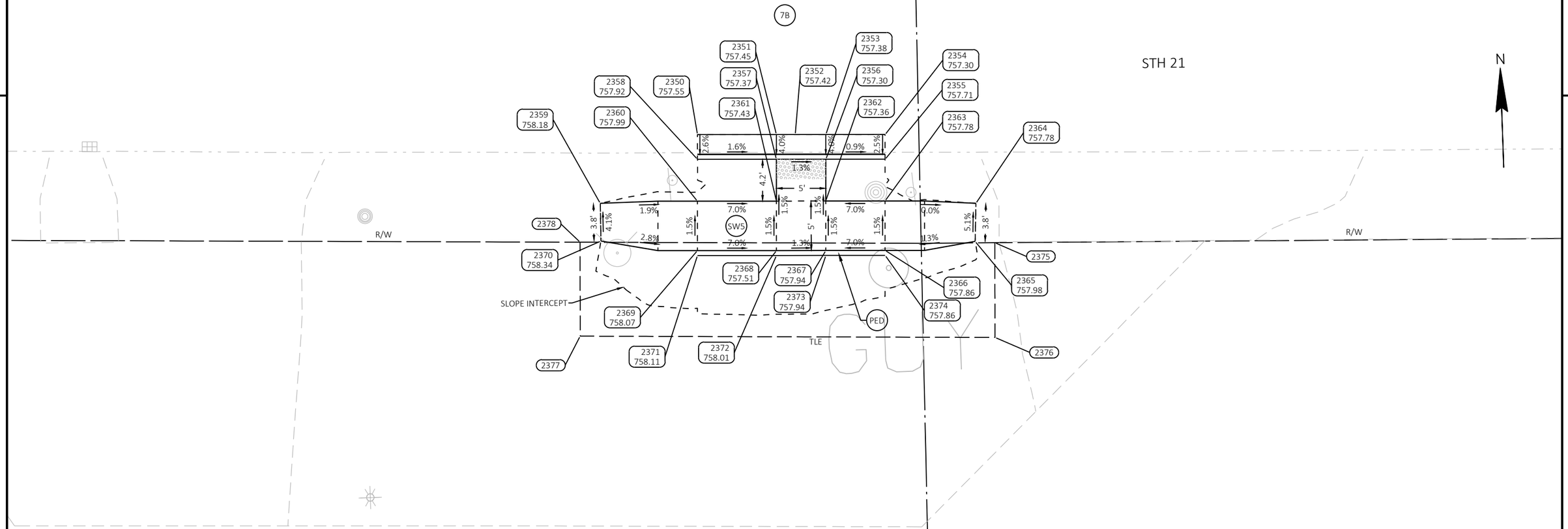
Beckwith Ave - NE					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
2317	47+82.57	32.82' LT	757.69	481643.46	742515.05
2318	47+75.97	34.19' LT	757.60	481645.07	742508.52
2319	47+71.68	36.89' LT	757.66	481647.92	742504.34
2320	47+66.19	46.60' LT	758.87	481657.82	742499.23
2321	47+65.96	48.68' LT	759.09	481659.90	742499.07
2322	47+65.67	52.67' LT	759.17	481663.90	742498.94
2323	47+61.48	52.51' LT	759.17	481663.90	742494.77
2324	47+61.49	48.51' LT	759.17	481659.90	742494.62
2325	47+61.49	45.90' LT	758.78	481657.29	742494.53
2326	47+66.68	46.68' LT	1518.14	481657.88	742499.72
2327	47+82.57	33.32' LT	1517.86	481643.96	742515.07
2328	47+84.75	33.31' LT	1517.86	481643.87	742517.23
2329	47+92.96	33.17' LT	0.00	481643.44	742525.41
2330	47+85.30	37.93' LT	0.00	481648.47	742517.94
2331	47+80.32	37.75' LT	0.00	481648.47	742512.98
2332	47+82.61	49.41' LT	0.00	481660.04	742515.67
2333	47+85.70	49.10' LT	0.00	481659.61	742518.74

NOTES:

1. CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION
2. THE ENGINEER MAY ADJUST ELEVATIONS TO FIT FIELD CONSTRUCTION
3. DASHED LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATION ONLY AND DO NOT INDICATE JOINT LOCATIONS
4. SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS
5. ALL STATION AND OFFET INFORMATION REFERENCE STH 21 R/L

47+50 47+75 48+00 48+25 48+50 48+75 49-

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	CURB RAMP DETAILS - BECKWITH AVE NE	SHEET 68	E



LEGEND

- (X) CURB RAMP TYPE
- (SW5) CONCRETE SIDEWALK 5-INCH
- (XX YYYY.YY) POINT NUMBER & ELEVATION
- (XX) TLE LIMITS
- (PED) PEDESTRIAN CURB

NOTES:

1. CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION
2. THE ENGINEER MAY ADJUST ELEVATIONS TO FIT FIELD CONSTRUCTION
3. DASHED LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATION ONLY AND DO NOT INDICATE JOINT LOCATIONS
4. SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS
5. ALL STATION AND OFFET INFORMATION REFERENCE STH 21 R/L

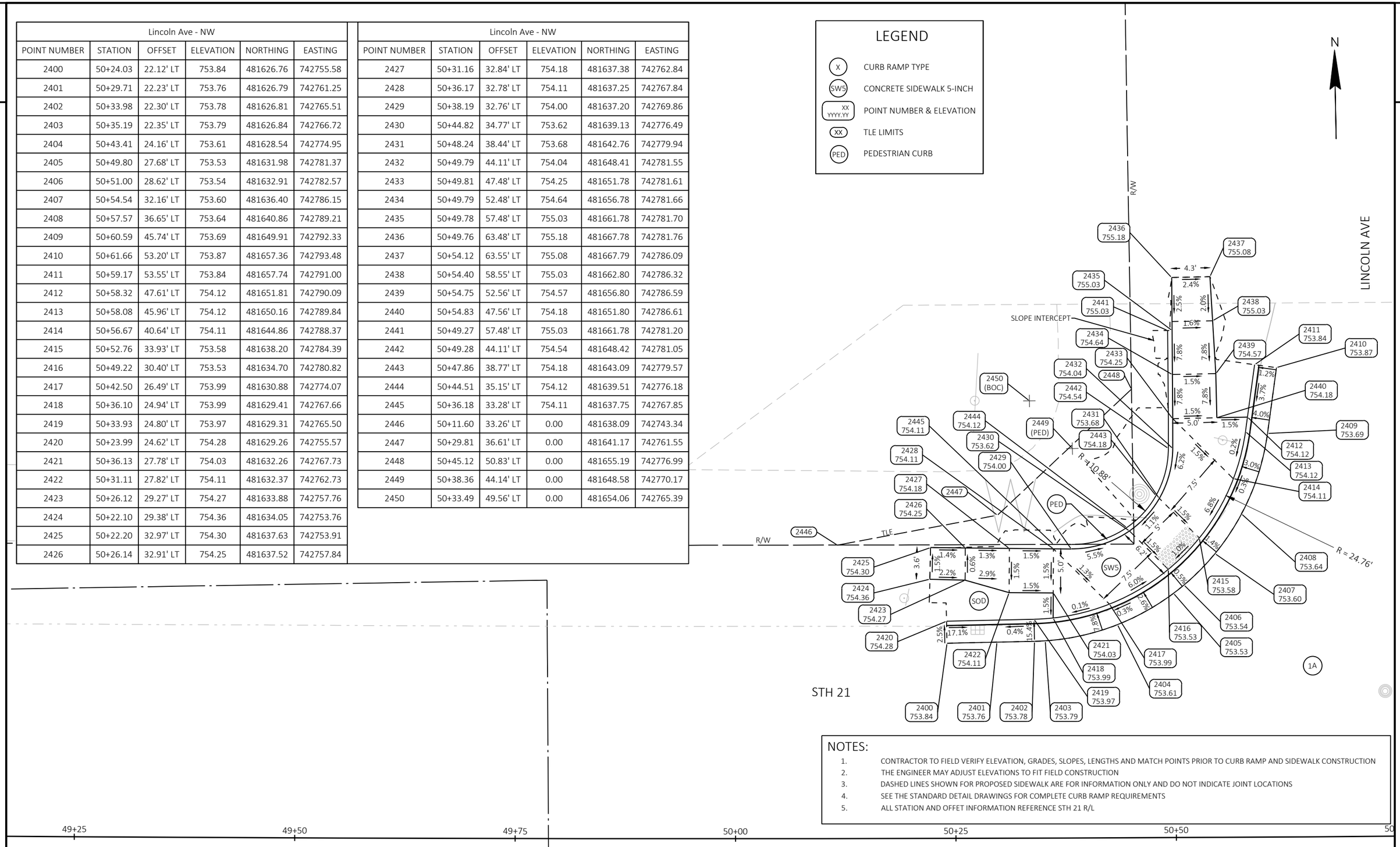
Beckwith Ave - SE					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
2350	47+59.72	21.95' RT	757.55	481589.56	742490.22
2351	47+67.70	21.94' RT	757.45	481589.27	742498.22
2352	47+69.60	21.94' RT	757.42	481589.20	742500.12
2353	47+72.70	21.94' RT	757.38	481589.09	742503.22
2354	47+78.68	21.93' RT	757.30	481588.88	742509.21
2355	47+78.68	24.43' RT	757.71	481586.38	742509.12
2356	47+72.69	24.44' RT	757.30	481586.60	742503.12
2357	47+67.71	24.44' RT	757.37	481586.77	742498.13
2358	47+59.72	24.45' RT	757.92	481587.06	742490.13
2359	47+49.92	28.92' RT	758.18	481582.96	742480.15
2360	47+59.73	28.69' RT	757.99	481582.83	742489.98
2361	47+67.71	28.67' RT	757.43	481582.55	742497.98
2362	47+72.70	28.66' RT	757.36	481582.37	742502.97
2363	47+78.68	28.66' RT	757.78	481582.16	742508.97
2364	47+87.86	28.90' RT	757.78	481581.59	742518.16

Beckwith Ave - SE					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
2365	47+87.78	32.75' RT	757.98	481577.75	742517.94
2366	47+78.69	33.66' RT	757.86	481577.16	742508.79
2367	47+72.70	33.69' RT	757.94	481577.35	742502.80
2368	47+67.72	33.67' RT	757.51	481577.55	742497.80
2369	47+59.74	33.69' RT	758.07	481577.83	742489.81
2370	47+49.99	32.73' RT	758.34	481579.15	742480.07
2371	47+59.74	34.19' RT	758.11	481577.33	742489.79
2372	47+67.72	34.17' RT	758.01	481577.05	742497.78
2373	47+72.70	34.16' RT	757.94	481576.87	742502.78
2374	47+78.69	34.16' RT	757.86	481576.66	742508.78
2375	47+89.77	32.89' RT	0.00	481577.54	742519.93
2376	47+89.77	42.47' RT	0.00	481567.97	742519.60
2377	47+47.93	42.36' RT	0.00	481569.61	742477.63
2378	47+47.89	32.86' RT	0.00	481579.11	742477.96

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	CURB RAMP DETAILS - BECKWITH AVE SE	SHEET 69	E

Lincoln Ave - NW					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
2400	50+24.03	22.12' LT	753.84	481626.76	742755.58
2401	50+29.71	22.23' LT	753.76	481626.79	742761.25
2402	50+33.98	22.30' LT	753.78	481626.81	742765.51
2403	50+35.19	22.35' LT	753.79	481626.84	742766.72
2404	50+43.41	24.16' LT	753.61	481628.54	742774.95
2405	50+49.80	27.68' LT	753.53	481631.98	742781.37
2406	50+51.00	28.62' LT	753.54	481632.91	742782.57
2407	50+54.54	32.16' LT	753.60	481636.40	742786.15
2408	50+57.57	36.65' LT	753.64	481640.86	742789.21
2409	50+60.59	45.74' LT	753.69	481649.91	742792.33
2410	50+61.66	53.20' LT	753.87	481657.36	742793.48
2411	50+59.17	53.55' LT	753.84	481657.74	742791.00
2412	50+58.32	47.61' LT	754.12	481651.81	742790.09
2413	50+58.08	45.96' LT	754.12	481650.16	742789.84
2414	50+56.67	40.64' LT	754.11	481644.86	742788.37
2415	50+52.76	33.93' LT	753.58	481638.20	742784.39
2416	50+49.22	30.40' LT	753.53	481634.70	742780.82
2417	50+42.50	26.49' LT	753.99	481630.88	742774.07
2418	50+36.10	24.94' LT	753.99	481629.41	742767.66
2419	50+33.93	24.80' LT	753.97	481629.31	742765.50
2420	50+23.99	24.62' LT	754.28	481629.26	742755.57
2421	50+36.13	27.78' LT	754.03	481632.26	742767.73
2422	50+31.11	27.82' LT	754.11	481632.37	742762.73
2423	50+26.12	29.27' LT	754.27	481633.88	742757.76
2424	50+22.10	29.38' LT	754.36	481634.05	742753.76
2425	50+22.20	32.97' LT	754.30	481637.63	742753.91
2426	50+26.14	32.91' LT	754.25	481637.52	742757.84

Lincoln Ave - NW					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
2427	50+31.16	32.84' LT	754.18	481637.38	742762.84
2428	50+36.17	32.78' LT	754.11	481637.25	742767.84
2429	50+38.19	32.76' LT	754.00	481637.20	742769.86
2430	50+44.82	34.77' LT	753.62	481639.13	742776.49
2431	50+48.24	38.44' LT	753.68	481642.76	742779.94
2432	50+49.79	44.11' LT	754.04	481648.41	742781.55
2433	50+49.81	47.48' LT	754.25	481651.78	742781.61
2434	50+49.79	52.48' LT	754.64	481656.78	742781.66
2435	50+49.78	57.48' LT	755.03	481661.78	742781.70
2436	50+49.76	63.48' LT	755.18	481667.78	742781.76
2437	50+54.12	63.55' LT	755.08	481667.79	742786.09
2438	50+54.40	58.55' LT	755.03	481662.80	742786.32
2439	50+54.75	52.56' LT	754.57	481656.80	742786.59
2440	50+54.83	47.56' LT	754.18	481651.80	742786.61
2441	50+49.27	57.48' LT	755.03	481661.78	742781.20
2442	50+49.28	44.11' LT	754.54	481648.42	742781.05
2443	50+47.86	38.77' LT	754.18	481643.09	742779.57
2444	50+44.51	35.15' LT	754.12	481639.51	742776.18
2445	50+36.18	33.28' LT	754.11	481637.75	742767.85
2446	50+11.60	33.26' LT	0.00	481638.09	742743.34
2447	50+29.81	36.61' LT	0.00	481641.17	742761.55
2448	50+45.12	50.83' LT	0.00	481655.19	742776.99
2449	50+38.36	44.14' LT	0.00	481648.58	742770.17
2450	50+33.49	49.56' LT	0.00	481654.06	742765.39



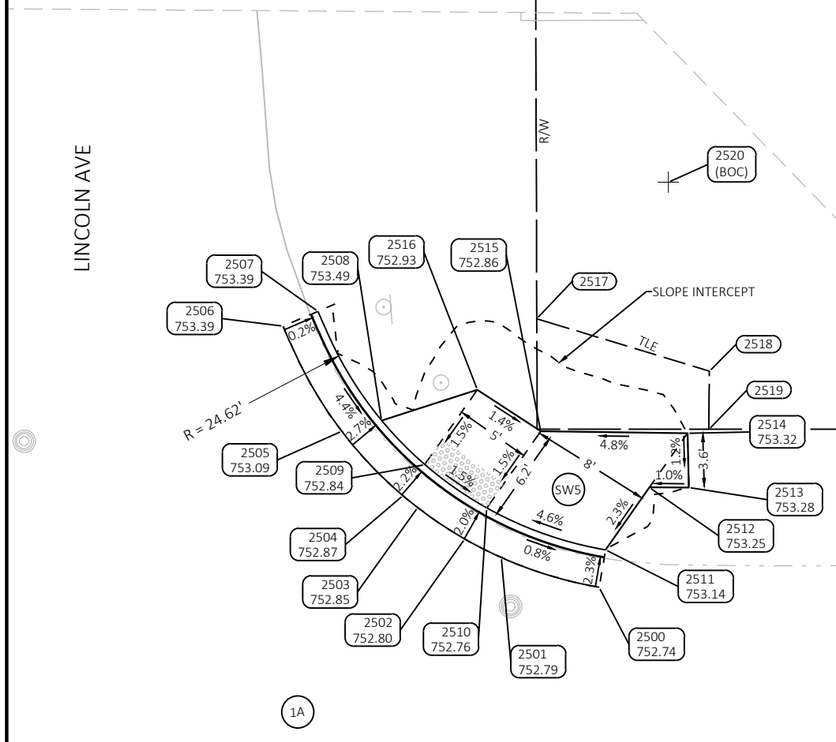
NOTES:

1. CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION
2. THE ENGINEER MAY ADJUST ELEVATIONS TO FIT FIELD CONSTRUCTION
3. DASHED LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATION ONLY AND DO NOT INDICATE JOINT LOCATIONS
4. SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS
5. ALL STATION AND OFFET INFORMATION REFERENCE STH 21 R/L

2

LEGEND

- X — CURB RAMP TYPE
- SWS — CONCRETE SIDEWALK 5-INCH
- XX YYYY.YY — POINT NUMBER & ELEVATION
- XX — TLE LIMITS
- PED — PEDESTRIAN CURB



Lincoln Ave - NE					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
2500	51+15.66	22.53' LT	752.74	481626.22	742847.03
2501	51+09.19	24.48' LT	752.79	481628.22	742840.58
2502	51+06.75	25.68' LT	752.80	481629.44	742838.16
2503	51+03.65	27.75' LT	752.85	481631.52	742835.08
2504	51+02.66	28.52' LT	752.87	481632.31	742834.10
2505	50+98.60	32.76' LT	753.09	481636.58	742830.09
2506	50+94.68	39.68' LT	753.39	481643.53	742826.24
2507	50+96.99	40.67' LT	753.39	481644.50	742828.54
2508	51+01.23	33.47' LT	753.49	481637.27	742832.71
2509	51+04.10	30.58' LT	752.84	481634.35	742835.55
2510	51+08.21	27.73' LT	752.76	481631.47	742839.64
2511	51+16.08	24.99' LT	753.14	481628.68	742847.46
2512	51+18.97	29.13' LT	753.25	481632.80	742850.38
2513	51+21.58	29.13' LT	753.28	481632.78	742852.98
2514	51+21.48	32.71' LT	753.32	481636.36	742852.90
2515	51+11.77	32.81' LT	752.86	481636.53	742843.21
2516	51+07.56	35.54' LT	752.93	481639.28	742839.04
2517	51+11.48	40.24' LT	0.00	481643.95	742842.98
2518	51+22.92	36.81' LT	0.00	481640.46	742854.36
2519	51+22.89	32.97' LT	0.00	481636.62	742854.31
2520	51+20.18	49.27' LT	0.00	481652.93	742851.70

N

NOTES:

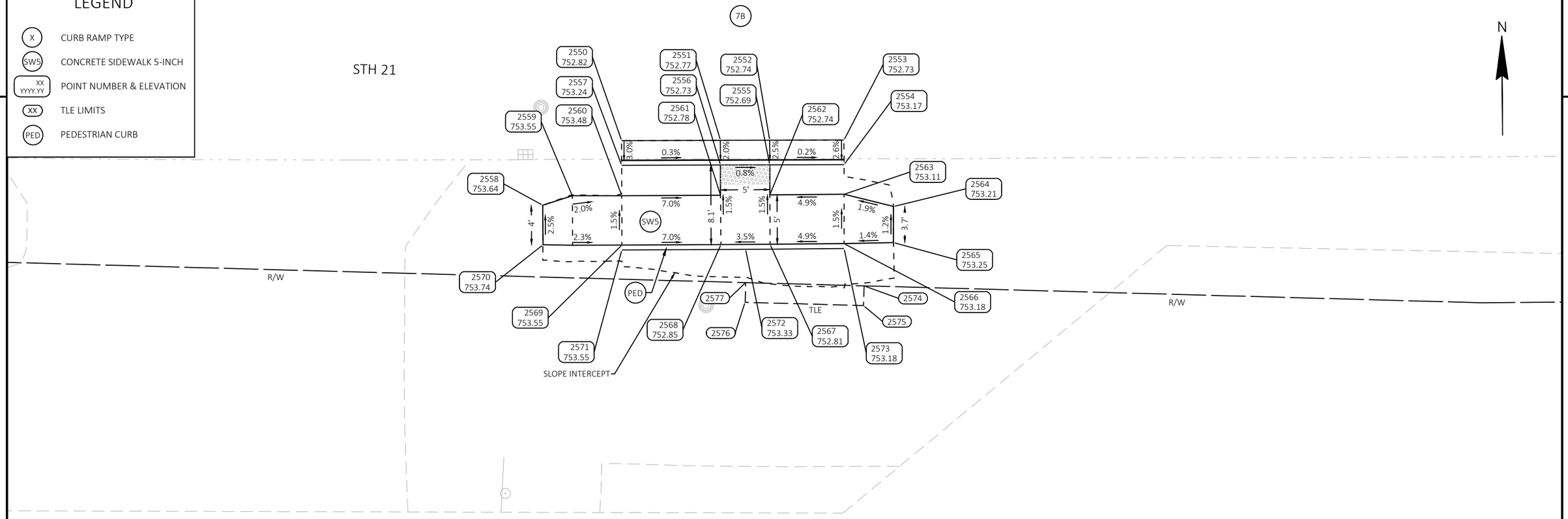
1. CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION
2. THE ENGINEER MAY ADJUST ELEVATIONS TO FIT FIELD CONSTRUCTION
3. DASHED LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATION ONLY AND DO NOT INDICATE JOINT LOCATIONS
4. SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS
5. ALL STATION AND OFFET INFORMATION REFERENCE STH 21 R/L

51+00 51+25 51+50 51+75 52+00 52+25

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	CURB RAMP DETAILS - LINCOLN AVE NE	SHEET 71	E

LEGEND

- X — CURB RAMP TYPE
- SW5 — CONCRETE SIDEWALK 5-INCH
- XX YYYY.YY — POINT NUMBER & ELEVATION
- XX — TLE LIMITS
- PED — PEDESTRIAN CURB



2

Lincoln Ave - SE					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
2550	50+97.07	21.85' RT	752.82	481581.98	742828.13
2551	51+07.07	21.82' RT	752.77	481581.93	742838.14
2552	51+12.05	21.81' RT	752.74	481581.90	742843.13
2553	51+19.55	21.81' RT	752.73	481581.86	742850.64
2554	51+19.55	24.31' RT	753.17	481579.36	742850.63
2555	51+12.05	24.31' RT	752.69	481579.40	742843.11
2556	51+07.06	24.32' RT	752.73	481579.43	742838.11
2557	50+97.08	24.34' RT	753.24	481579.48	742828.11
2558	50+89.10	28.39' RT	753.64	481575.50	742820.08
2559	50+92.10	27.43' RT	753.55	481576.44	742823.10
2560	50+97.09	27.42' RT	753.48	481576.41	742828.10
2561	51+07.06	27.38' RT	752.78	481576.37	742838.10
2562	51+12.05	27.35' RT	752.74	481576.37	742843.10
2563	51+19.55	27.30' RT	753.11	481576.37	742850.61
2564	51+24.54	28.55' RT	753.21	481575.09	742855.60

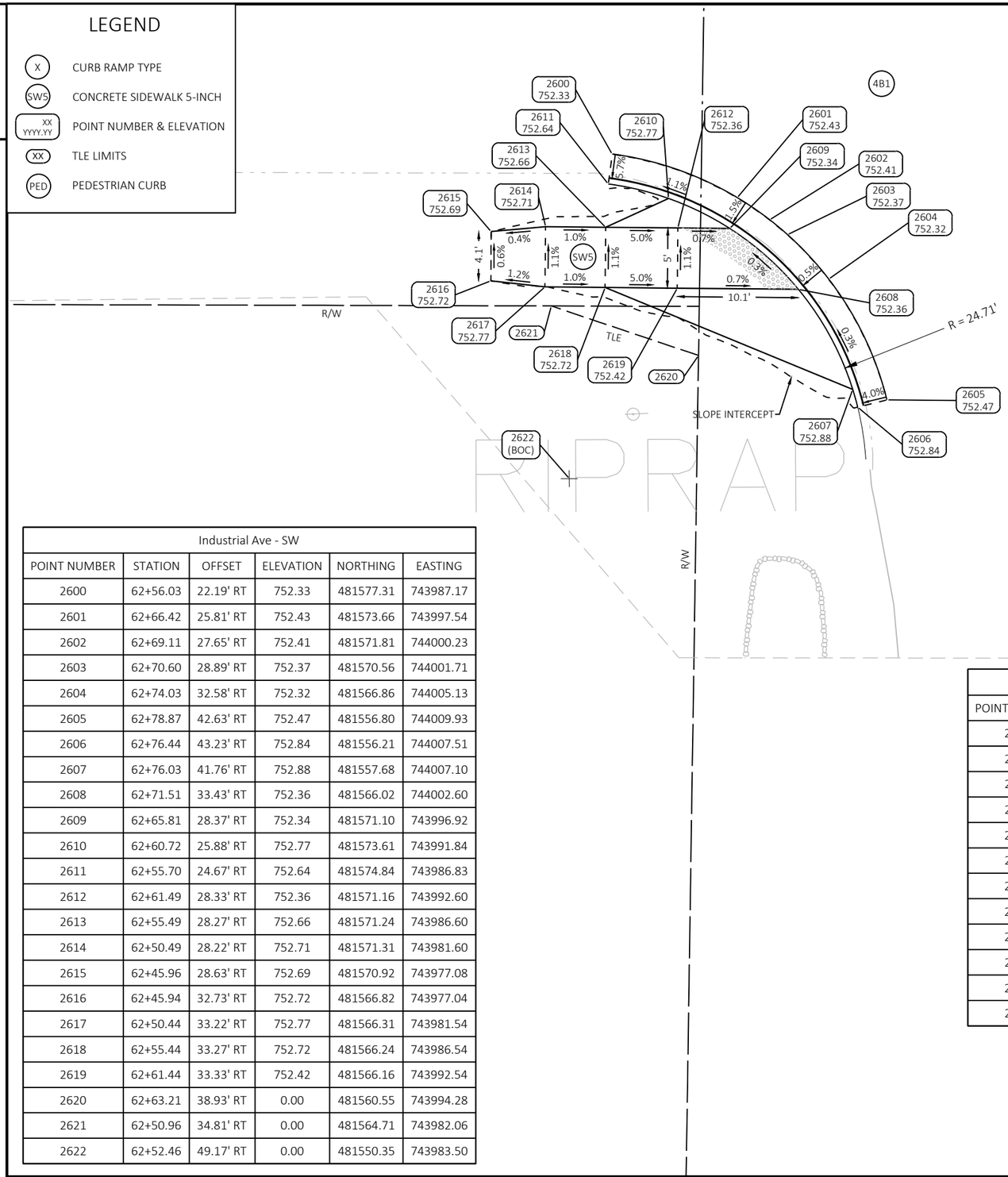
Lincoln Ave - SE					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
2565	51+24.53	32.21' RT	753.25	481571.42	742855.57
2566	51+19.54	32.30' RT	753.18	481571.37	742850.57
2567	51+12.06	32.35' RT	752.81	481571.37	742843.07
2568	51+07.10	32.38' RT	752.85	481571.37	742838.10
2569	50+97.10	32.42' RT	753.55	481571.41	742828.07
2570	50+89.13	32.40' RT	753.74	481571.50	742820.08
2571	50+97.10	32.92' RT	753.55	481570.91	742828.07
2572	51+09.58	32.86' RT	753.33	481570.87	742840.58
2573	51+19.54	32.80' RT	753.18	481570.87	742850.57
2574	51+21.55	36.58' RT	0.00	481567.07	742852.56
2575	51+21.49	38.58' RT	0.00	481565.08	742852.49
2576	51+09.54	38.23' RT	0.00	481565.50	742840.50
2577	51+09.59	36.23' RT	0.00	481567.50	742840.57

NOTES:

1. CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION
2. THE ENGINEER MAY ADJUST ELEVATIONS TO FIT FIELD CONSTRUCTION
3. DASHED LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATION ONLY AND DO NOT INDICATE JOINT LOCATIONS
4. SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS
5. ALL STATION AND OFFET INFORMATION REFERENCE STH 21 R/L

LEGEND

- X — CURB RAMP TYPE
- SW5 — CONCRETE SIDEWALK 5-INCH
- XX YYYY.YY — POINT NUMBER & ELEVATION
- XX — TLE LIMITS
- PED — PEDESTRIAN CURB



Industrial Ave - SW					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
2600	62+56.03	22.19' RT	752.33	481577.31	743987.17
2601	62+66.42	25.81' RT	752.43	481573.66	743997.54
2602	62+69.11	27.65' RT	752.41	481571.81	744000.23
2603	62+70.60	28.89' RT	752.37	481570.56	744001.71
2604	62+74.03	32.58' RT	752.32	481566.86	744005.13
2605	62+78.87	42.63' RT	752.47	481556.80	744009.93
2606	62+76.44	43.23' RT	752.84	481556.21	744007.51
2607	62+76.03	41.76' RT	752.88	481557.68	744007.10
2608	62+71.51	33.43' RT	752.36	481566.02	744002.60
2609	62+65.81	28.37' RT	752.34	481571.10	743996.92
2610	62+60.72	25.88' RT	752.77	481573.61	743991.84
2611	62+55.70	24.67' RT	752.64	481574.84	743986.83
2612	62+61.49	28.33' RT	752.36	481571.16	743992.60
2613	62+55.49	28.27' RT	752.66	481571.24	743986.60
2614	62+50.49	28.22' RT	752.71	481571.31	743981.60
2615	62+45.96	28.63' RT	752.69	481570.92	743977.08
2616	62+45.94	32.73' RT	752.72	481566.82	743977.04
2617	62+50.44	33.22' RT	752.77	481566.31	743981.54
2618	62+55.44	33.27' RT	752.72	481566.24	743986.54
2619	62+61.44	33.33' RT	752.42	481566.16	743992.54
2620	62+63.21	38.93' RT	0.00	481560.55	743994.28
2621	62+50.96	34.81' RT	0.00	481564.71	743982.06
2622	62+52.46	49.17' RT	0.00	481550.35	743983.50

Industrial Ave - SE					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
2650	63+21.46	38.98' RT	752.25	481560.29	744052.53
2651	63+22.37	37.35' RT	752.26	481561.91	744053.45
2652	63+25.29	33.26' RT	752.21	481566.00	744056.39
2653	63+26.78	31.61' RT	752.20	481567.64	744057.88
2654	63+30.27	28.50' RT	752.24	481570.74	744061.38
2655	63+36.16	24.93' RT	752.31	481574.29	744067.28
2656	63+42.67	22.70' RT	752.45	481576.49	744073.80
2657	63+43.22	25.14' RT	752.80	481574.05	744074.34
2658	63+41.86	25.48' RT	752.80	481573.72	744072.98
2659	63+33.89	29.01' RT	752.25	481570.21	744064.99
2660	63+27.95	34.01' RT	752.19	481565.23	744059.04
2661	63+25.13	37.65' RT	752.68	481561.61	744056.21

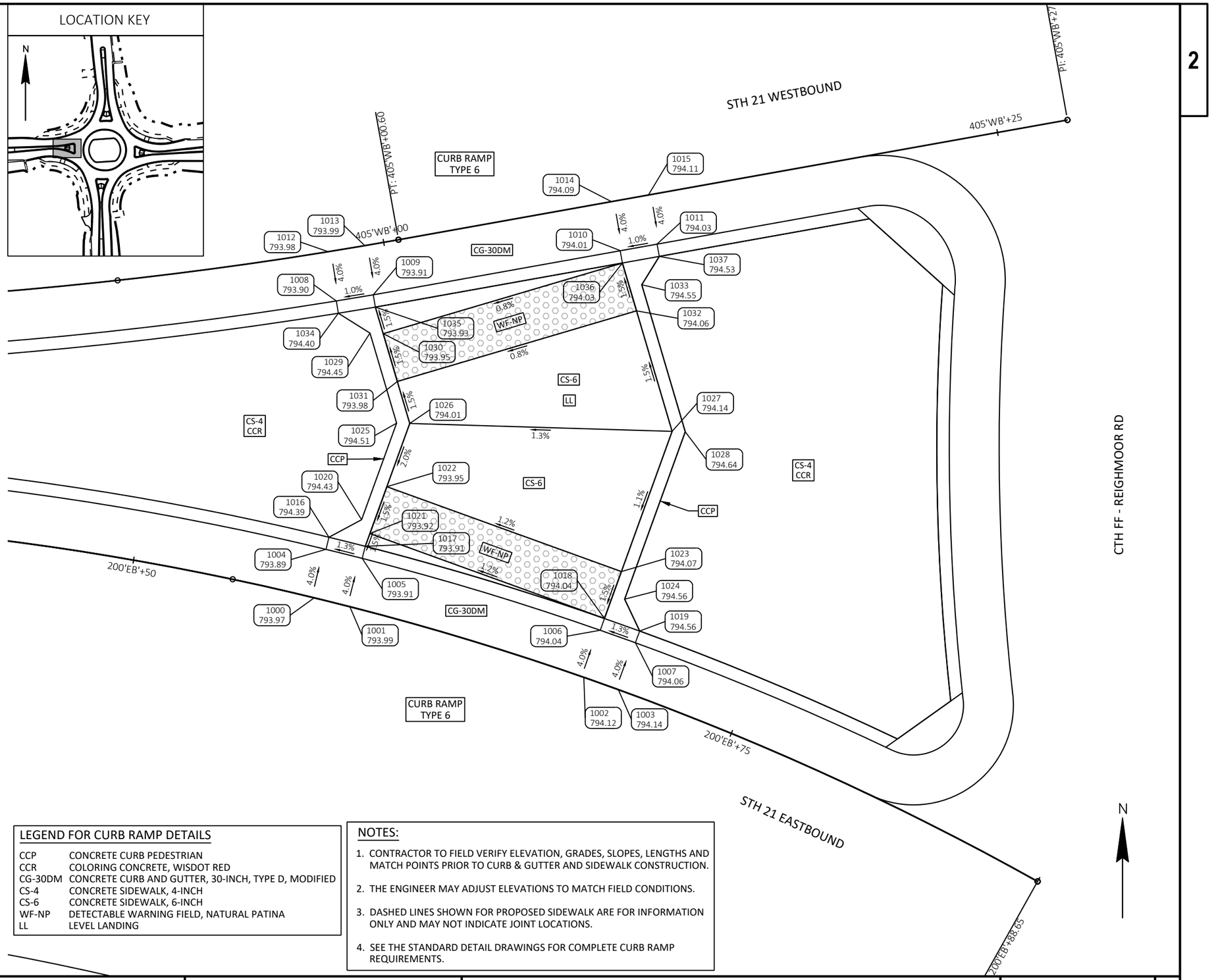
Industrial Ave - SE					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
2662	63+23.67	40.14' RT	752.62	481559.13	744054.75
2663	63+38.03	34.01' RT	752.34	481565.20	744069.12
2664	63+38.39	34.01' RT	752.35	481565.19	744069.48
2665	63+43.73	35.56' RT	752.51	481563.63	744074.82
2666	63+47.75	38.83' RT	752.54	481560.34	744078.82
2667	63+50.88	35.40' RT	752.47	481563.76	744081.97
2668	63+46.40	31.33' RT	752.44	481567.85	744077.50
2669	63+38.39	29.01' RT	752.32	481570.19	744069.50
2670	63+38.03	29.01' RT	752.32	481570.20	744069.14
2671	63+38.39	44.01' RT	0.00	481555.19	744069.45
2672	63+49.59	53.67' RT	0.00	481545.50	744080.61

NOTES:

1. CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION
2. THE ENGINEER MAY ADJUST ELEVATIONS TO FIT FIELD CONSTRUCTION
3. DASHED LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATION ONLY AND DO NOT INDICATE JOINT LOCATIONS
4. SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS
5. ALL STATION AND OFFET INFORMATION REFERENCE STH 21 R/L

STH 21 & CTH FF WEST CURB RAMP					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
1000	200+57.40	0.00'	793.97	478926.41	757248.52
1001	200+58.87	0.00'	793.99	478926.05	757249.95
1002	200+68.68	0.00'	794.12	478923.22	757259.33
1003	200+70.14	0.00'	794.14	478922.73	757260.71
1004	200+57.40	2.00' LT	793.89	478928.35	757248.99
1005	200+58.87	2.00' LT	793.91	478927.99	757250.44
1006	200+68.68	2.00' LT	794.04	478925.11	757259.99
1007	200+70.14	2.00' LT	794.06	478924.61	757261.40
1008	200+55.64	11.79' LT	793.90	478938.31	757249.41
1009	200+56.89	12.37' LT	793.91	478938.56	757250.89
1010	200+64.95	16.70' LT	794.01	478940.33	757260.79
1011	200+66.11	17.41' LT	794.03	478940.60	757262.27
1012	200+54.97	13.65' LT	793.98	478940.29	757249.09
1013	200+56.19	14.21' LT	793.99	478940.53	757250.55
1014	200+64.15	18.48' LT	794.09	478942.29	757260.44
1015	200+65.30	19.17' LT	794.11	478942.56	757261.92
1016	200+57.40	2.50' LT	794.39	478928.84	757249.11
1017	200+58.87	2.50' LT	793.91	478928.47	757250.57
1018	200+68.68	2.50' LT	794.04	478925.58	757260.16
1019	200+70.14	2.50' LT	794.56	478925.08	757261.57
1020	200+58.48	3.49' LT	794.43	478929.54	757250.42
1021	200+58.92	3.04' LT	793.92	478928.98	757250.75
1022	200+59.11	5.03' LT	793.95	478930.86	757251.43
1023	200+68.70	4.50' LT	794.07	478927.46	757260.84
1024	200+69.17	3.50' LT	794.56	478926.35	757260.97
1025	200+58.86	7.60' LT	794.51	478933.41	757251.82
1026	200+59.34	7.71' LT	794.01	478933.40	757252.35
1027	200+68.76	10.48' LT	794.14	478933.08	757262.87
1028	200+69.22	10.64' LT	794.64	478933.07	757263.40
1029	200+57.10	10.84' LT	794.45	478937.02	757250.76
1030	200+57.57	10.94' LT	793.95	478937.00	757251.29
1031	200+58.51	9.22' LT	793.98	478935.08	757251.85
1032	200+66.15	14.60' LT	794.06	478937.92	757261.44
1033	200+66.04	15.66' LT	794.55	478938.96	757261.66
1034	200+55.81	11.33' LT	794.40	478937.82	757249.49
1035	200+57.07	11.91' LT	793.93	478938.07	757250.97
1036	200+65.15	16.26' LT	794.03	478939.83	757260.88
1037	200+66.31	16.96' LT	794.53	478940.10	757262.36

LOCATION KEY



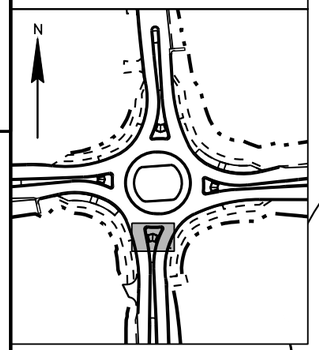
LEGEND FOR CURB RAMP DETAILS	
CCP	CONCRETE CURB PEDESTRIAN
CCR	COLORING CONCRETE, WISDOT RED
CG-30DM	CONCRETE CURB AND GUTTER, 30-INCH, TYPE D, MODIFIED
CS-4	CONCRETE SIDEWALK, 4-INCH
CS-6	CONCRETE SIDEWALK, 6-INCH
WF-NP	DETECTABLE WARNING FIELD, NATURAL PATINA
LL	LEVEL LANDING

NOTES:

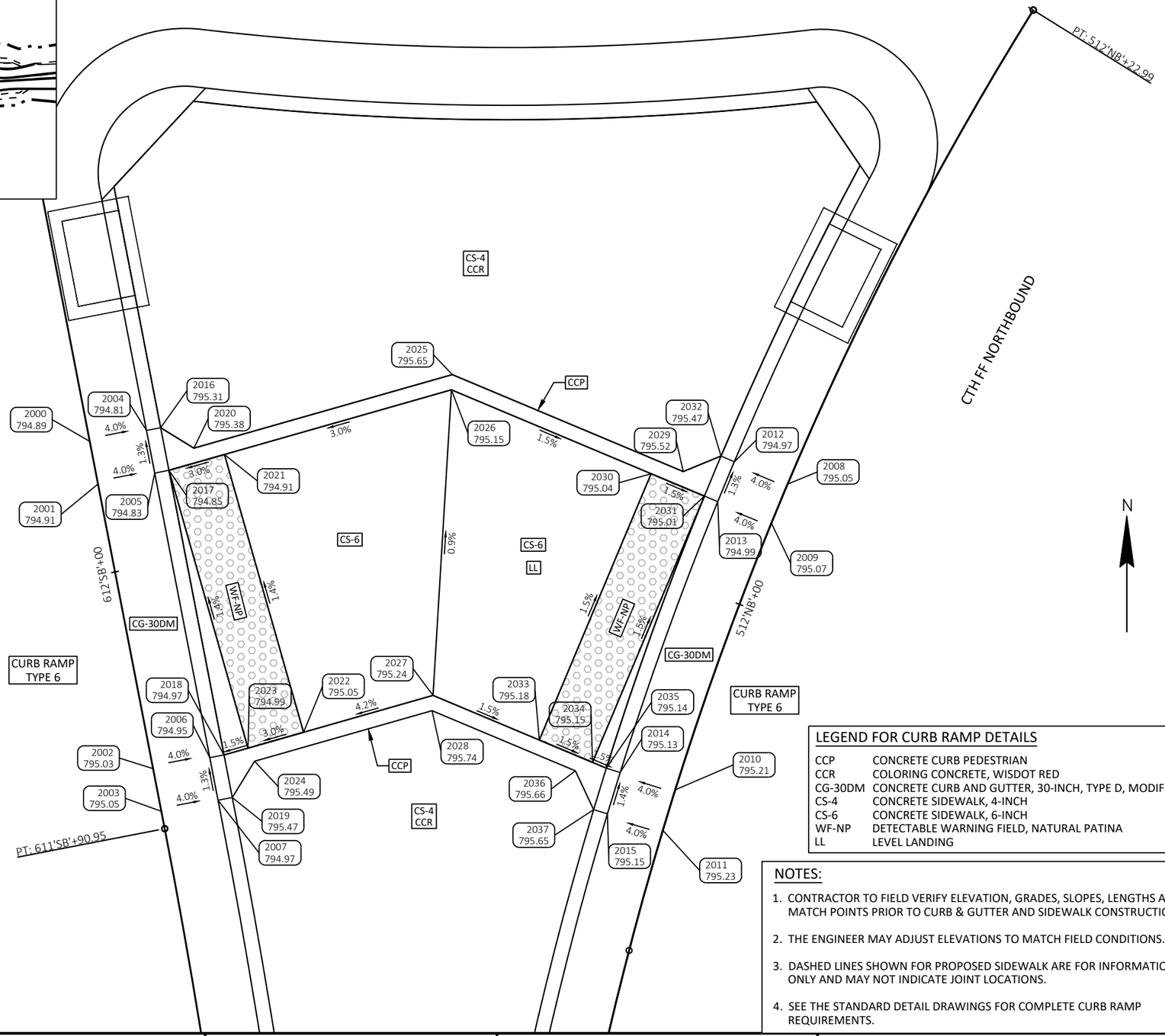
1. CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO CURB & GUTTER AND SIDEWALK CONSTRUCTION.
2. THE ENGINEER MAY ADJUST ELEVATIONS TO MATCH FIELD CONDITIONS.
3. DASHED LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATION ONLY AND MAY NOT INDICATE JOINT LOCATIONS.
4. SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS.

PROJECT NO: 6180-30-72	HWY: STH 21	COUNTY: WINNEBAGO	CURB RAMP DETAILS - STH 21 & CTH FF - REIGHMOOR RD	SHEET 74	E

LOCATION KEY



STH 21



CTH FF CURB RAMP					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
2000	612+04.60	0.00'	794.89	478845.35	757326.45
2001	612+03.10	0.00'	794.91	478843.87	757326.74
2002	611+93.06	0.00'	795.03	478834.02	757328.64
2003	611+91.56	0.00'	795.05	478832.55	757328.93
2004	612+04.60	2.00' RT	794.81	478845.73	757328.41
2005	612+03.10	2.00' RT	794.83	478844.25	757328.70
2006	611+93.06	2.00' RT	794.95	478834.40	757330.61
2007	611+91.56	2.00' RT	794.97	478832.93	757330.89
2008	611+98.56	23.44' RT	795.05	478843.87	757350.61
2009	611+97.33	22.63' RT	795.07	478842.51	757350.05
2010	611+89.05	17.62' RT	795.21	478833.29	757346.72
2011	611+87.83	16.95' RT	795.23	478831.88	757346.30
2012	611+99.67	21.78' RT	794.97	478844.65	757348.77
2013	611+98.43	20.95' RT	794.99	478843.27	757348.19
2014	611+89.93	15.85' RT	795.13	478833.89	757344.81
2015	611+88.68	15.16' RT	795.15	478832.46	757344.37
2016	612+04.60	2.50' RT	795.31	478845.82	757328.91
2017	612+03.10	2.50' RT	794.85	478844.35	757329.19
2018	611+93.06	2.50' RT	794.97	478834.50	757331.10
2019	611+91.56	2.50' RT	795.47	478833.02	757331.38
2020	612+03.69	3.50' RT	795.38	478845.12	757330.06
2021	612+03.27	4.49' RT	794.91	478844.90	757331.11
2022	611+93.31	5.35' RT	795.05	478835.28	757333.85
2023	611+93.14	3.36' RT	794.99	478834.73	757331.93
2024	611+92.65	3.50' RT	795.49	478834.28	757332.15
2025	612+04.49	12.76' RT	795.65	478847.66	757339.00
2026	612+03.98	12.63' RT	795.15	478847.14	757338.97
2027	611+93.71	10.00' RT	795.24	478836.56	757338.33
2028	611+93.20	9.86' RT	795.74	478836.03	757338.30
2029	611+99.67	19.97' RT	795.52	478844.31	757347.00
2030	611+99.81	18.87' RT	795.04	478844.23	757345.88
2031	611+98.70	20.53' RT	795.01	478843.46	757347.73
2032	611+99.95	21.36' RT	795.47	478844.84	757348.30
2033	611+91.50	13.31' RT	795.18	478835.01	757342.01
2034	611+90.42	14.98' RT	795.15	478834.24	757343.86
2035	611+90.15	15.41' RT	795.14	478834.04	757344.33
2036	611+90.25	14.34' RT	795.66	478833.94	757343.26
2037	611+88.90	14.71' RT	795.65	478832.60	757343.89

LEGEND FOR CURB RAMP DETAILS

CCP	CONCRETE CURB PEDESTRIAN
CCR	COLORING CONCRETE, WISDOT RED
CG-30DM	CONCRETE CURB AND GUTTER, 30-INCH, TYPE D, MODIFIED
CS-4	CONCRETE SIDEWALK, 4-INCH
CS-6	CONCRETE SIDEWALK, 6-INCH
WF-NP	DETECTABLE WARNING FIELD, NATURAL PATINA
LL	LEVEL LANDING

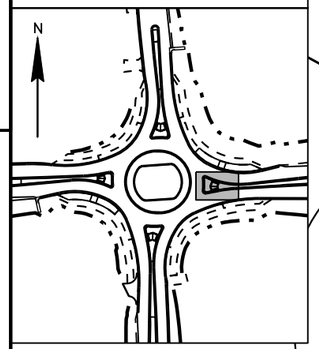
NOTES:

1. CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO CURB & GUTTER AND SIDEWALK CONSTRUCTION.
2. THE ENGINEER MAY ADJUST ELEVATIONS TO MATCH FIELD CONDITIONS.
3. DASHED LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATION ONLY AND MAY NOT INDICATE JOINT LOCATIONS.
4. SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS.

PROJECT NO: 6180-30-72	HWY: STH 21	COUNTY: WINNEBAGO	CURB RAMP DETAILS - STH 21 & CTH FF - REIGHMOOR RD	SHEET 75	E

2

LOCATION KEY

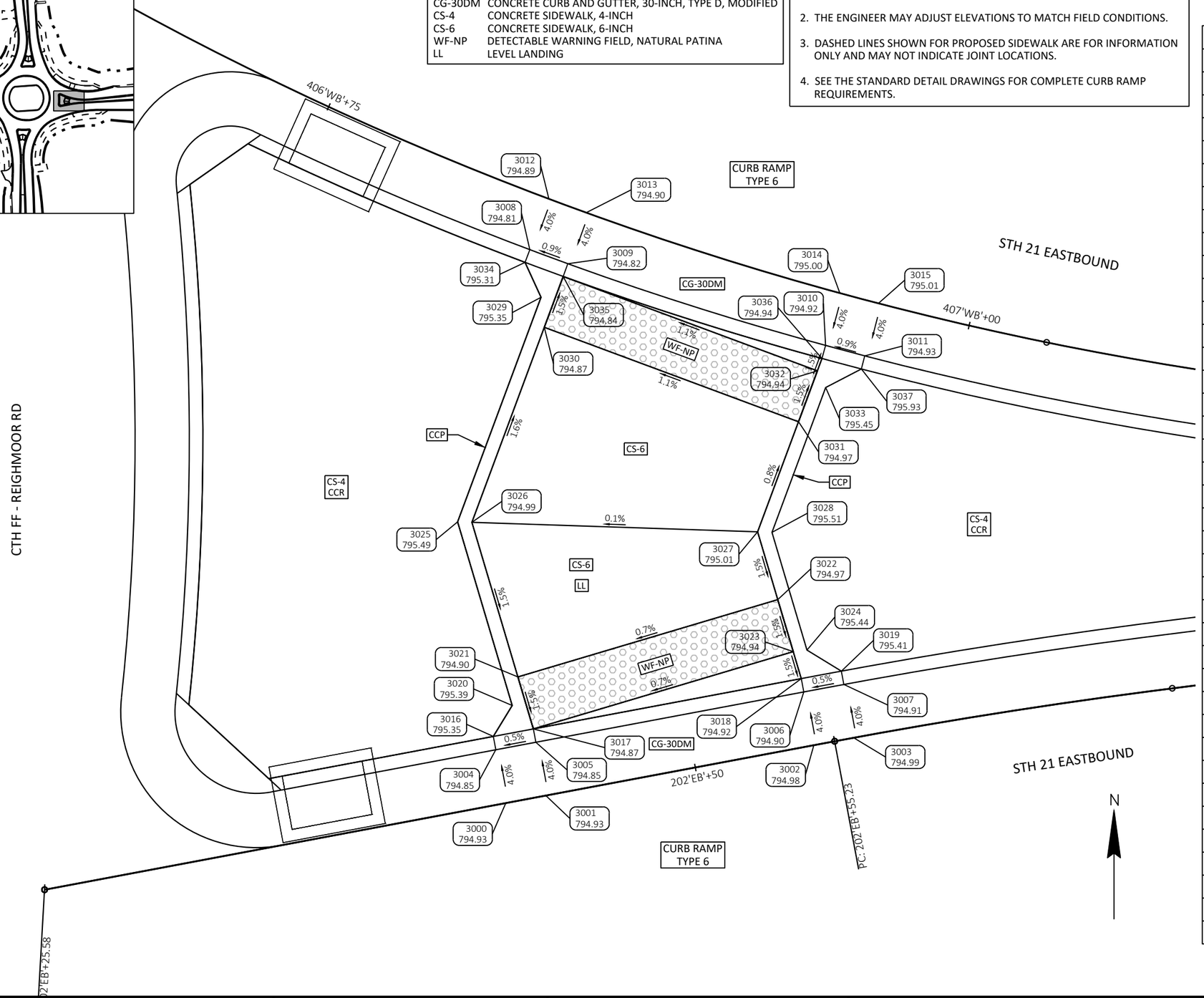


LEGEND FOR CURB RAMP DETAILS

CCP	CONCRETE CURB PEDESTRIAN
CCR	COLORING CONCRETE, WISDOT RED
CG-30DM	CONCRETE CURB AND GUTTER, 30-INCH, TYPE D, MODIFIED
CS-4	CONCRETE SIDEWALK, 4-INCH
CS-6	CONCRETE SIDEWALK, 6-INCH
WF-NP	DETECTABLE WARNING FIELD, NATURAL PATINA
LL	LEVEL LANDING

NOTES:

1. CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO CURB & GUTTER AND SIDEWALK CONSTRUCTION.
2. THE ENGINEER MAY ADJUST ELEVATIONS TO MATCH FIELD CONDITIONS.
3. DASHED LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATION ONLY AND MAY NOT INDICATE JOINT LOCATIONS.
4. SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS.



STH 21 & CTH FF EAST CURB RAMP					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
3000	202+42.89	0.00'	794.93	478910.49	757431.25
3001	202+44.39	0.00'	794.93	478910.77	757432.72
3002	202+54.45	0.00'	794.98	478912.63	757442.61
3003	202+55.94	0.00'	794.99	478912.90	757444.07
3004	202+42.89	2.00' LT	794.85	478912.46	757430.88
3005	202+44.39	2.00' LT	794.85	478912.74	757432.36
3006	202+54.45	2.00' LT	794.90	478914.59	757442.24
3007	202+55.94	2.00' LT	794.91	478914.87	757443.71
3008	202+47.52	19.89' LT	794.81	478930.89	757432.13
3009	202+48.81	19.12' LT	794.82	478930.38	757433.53
3010	202+57.44	14.42' LT	794.92	478927.37	757443.04
3011	202+58.71	13.79' LT	794.93	478926.98	757444.48
3012	202+48.56	21.60' LT	794.89	478932.77	757432.84
3013	202+49.82	20.84' LT	794.90	478932.26	757434.21
3014	202+58.23	16.23' LT	795.00	478929.29	757443.57
3015	202+59.48	15.62' LT	795.01	478928.92	757444.99
3016	202+42.89	2.50' LT	795.35	478912.95	757430.79
3017	202+44.39	2.50' LT	794.87	478913.23	757432.26
3018	202+54.45	2.50' LT	794.92	478915.08	757442.14
3019	202+55.94	2.50' LT	795.41	478915.36	757443.62
3020	202+43.79	3.49' LT	795.39	478914.09	757431.48
3021	202+44.19	4.49' LT	794.90	478915.14	757431.69
3022	202+54.13	5.52' LT	794.97	478918.00	757441.28
3023	202+54.34	3.53' LT	794.94	478916.08	757441.85
3024	202+54.84	3.49' LT	795.44	478916.13	757442.35
3025	202+43.06	10.52' LT	795.49	478920.86	757429.47
3026	202+43.57	10.40' LT	794.99	478920.84	757430.00
3027	202+53.86	8.11' LT	795.01	478920.49	757440.53
3028	202+54.38	8.00' LT	795.51	478920.48	757441.06
3029	202+47.61	18.09' LT	795.35	478929.14	757432.55
3030	202+47.52	16.98' LT	794.87	478928.03	757432.67
3031	202+56.05	11.83' LT	794.97	478924.55	757442.04
3032	202+57.01	13.55' LT	794.94	478926.43	757442.74
3033	202+57.19	12.89' LT	795.45	478925.81	757443.04
3034	202+47.26	19.46' LT	795.31	478930.43	757431.96
3035	202+48.55	18.69' LT	794.84	478929.91	757433.36
3036	202+57.24	13.97' LT	794.94	478926.88	757442.91
3037	202+58.52	13.34' LT	795.93	478926.50	757444.36

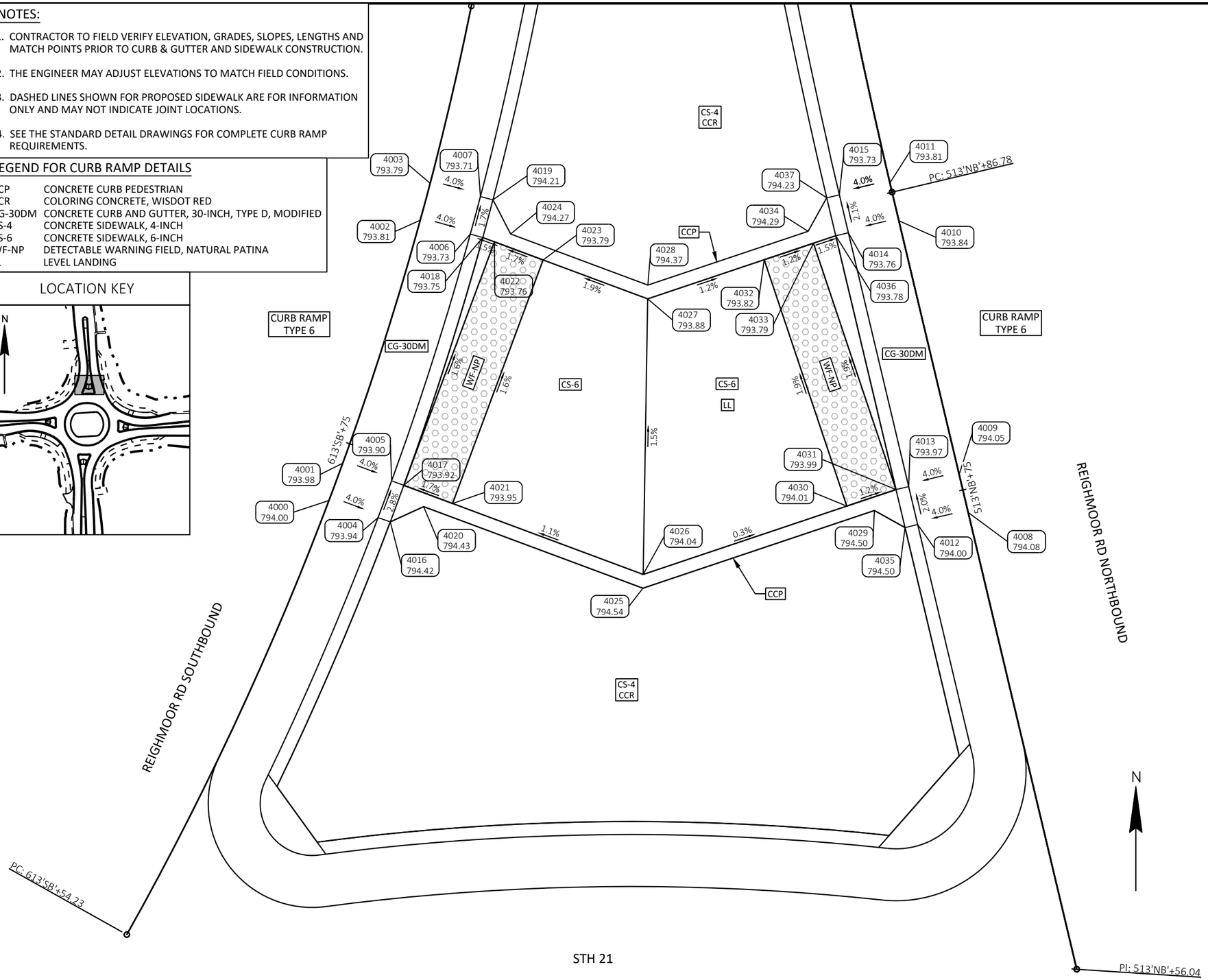
NOTES:

1. CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO CURB & GUTTER AND SIDEWALK CONSTRUCTION.
2. THE ENGINEER MAY ADJUST ELEVATIONS TO MATCH FIELD CONDITIONS.
3. DASHED LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATION ONLY AND MAY NOT INDICATE JOINT LOCATIONS.
4. SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS.

LEGEND FOR CURB RAMP DETAILS

CCP	CONCRETE CURB PEDESTRIAN
CCR	COLORING CONCRETE, WISDOT RED
CG-30DM	CONCRETE CURB AND GUTTER, 30-INCH, TYPE D, MODIFIED
CS-4	CONCRETE SIDEWALK, 4-INCH
CS-6	CONCRETE SIDEWALK, 6-INCH
WF-NP	DETECTABLE WARNING FIELD, NATURAL PATINA
LL	LEVEL LANDING

LOCATION KEY



REIGHMOOR RD CURB RAMP					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
4000	513+80.25	23.84' LT	794.00	479011.10	757338.84
4001	513+81.52	22.99' LT	793.98	479012.54	757339.38
4002	513+89.70	17.94' LT	793.81	479021.89	757342.36
4003	513+90.91	17.26' LT	793.79	479023.31	757342.74
4004	513+79.17	22.15' LT	793.94	479010.44	757340.73
4005	513+80.42	21.32' LT	793.90	479011.86	757341.26
4006	513+88.82	16.18' LT	793.73	479021.36	757344.29
4007	513+90.06	15.48' LT	793.71	479022.80	757344.67
4008	513+74.11	0.00'	794.08	479010.64	757363.46
4009	513+75.61	0.00'	794.05	479012.10	757363.11
4010	513+85.65	0.00'	793.84	479021.87	757360.79
4011	513+87.15	0.00'	793.81	479023.33	757360.44
4012	513+74.11	2.00' LT	794.00	479010.18	757361.51
4013	513+75.61	2.00' LT	793.97	479011.64	757361.16
4014	513+85.65	2.00' LT	793.76	479021.41	757358.84
4015	513+87.15	2.00' LT	793.73	479022.87	757358.49
4016	513+78.90	21.73' LT	794.42	479010.28	757341.21
4017	513+80.15	20.90' LT	793.92	479011.69	757341.73
4018	513+88.60	15.74' LT	793.75	479021.22	757344.77
4019	513+89.85	15.04' LT	794.21	479022.67	757345.16
4020	513+79.18	20.34' LT	794.43	479010.87	757342.49
4021	513+79.04	19.24' LT	793.95	479010.99	757343.60
4022	513+88.36	15.34' LT	793.76	479021.06	757345.21
4023	513+87.32	13.68' LT	793.79	479020.36	757347.09
4024	513+88.50	14.67' LT	794.27	479021.36	757345.84
4025	513+74.17	12.86' LT	794.54	479007.73	757350.93
4026	513+74.68	12.73' LT	794.04	479008.26	757350.94
4027	513+84.96	10.11' LT	793.88	479018.86	757351.11
4028	513+85.48	9.97' LT	794.37	479019.39	757351.12
4029	513+75.02	3.50' LT	794.50	479010.72	757359.84
4030	513+75.43	4.49' LT	794.01	479010.89	757358.78
4031	513+75.61	2.50' LT	793.99	479011.52	757360.68
4032	513+85.39	5.39' LT	793.82	479020.37	757355.60
4033	513+85.57	3.40' LT	793.79	479021.00	757357.50
4034	513+86.06	3.50' LT	794.29	479021.46	757357.29
4035	513+74.11	2.50' LT	794.50	479010.06	757361.02
4036	513+85.65	2.50' LT	793.78	479021.29	757358.35
4037	513+87.15	2.50' LT	794.23	479022.75	757358.01

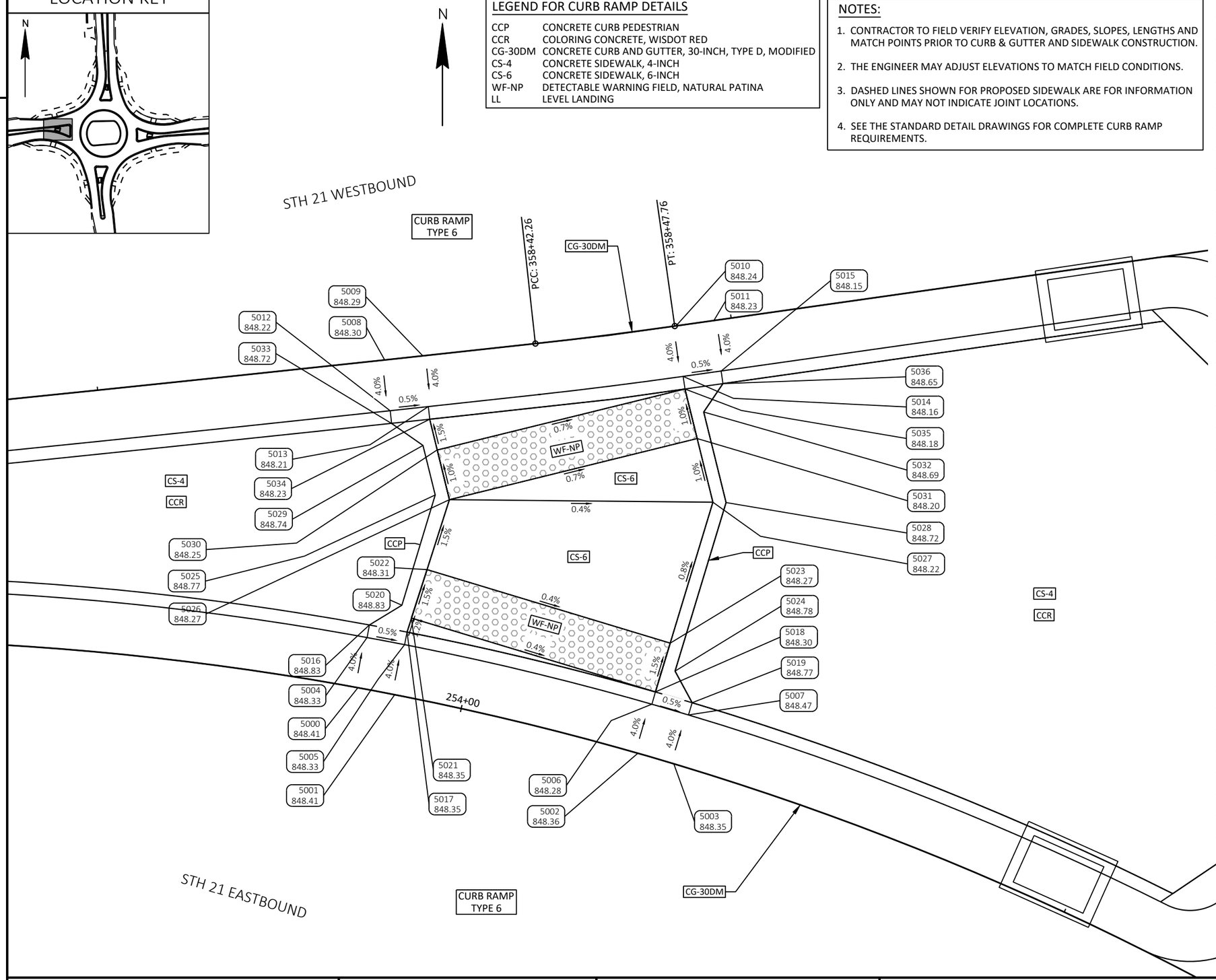
LOCATION KEY

LEGEND FOR CURB RAMP DETAILS

CCP	CONCRETE CURB PEDESTRIAN
CCR	COLORING CONCRETE, WISDOT RED
CG-30DM	CONCRETE CURB AND GUTTER, 30-INCH, TYPE D, MODIFIED
CS-4	CONCRETE SIDEWALK, 4-INCH
CS-6	CONCRETE SIDEWALK, 6-INCH
WF-NP	DETECTABLE WARNING FIELD, NATURAL PATINA
LL	LEVEL LANDING

NOTES:

1. CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO CURB & GUTTER AND SIDEWALK CONSTRUCTION.
2. THE ENGINEER MAY ADJUST ELEVATIONS TO MATCH FIELD CONDITIONS.
3. DASHED LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATION ONLY AND MAY NOT INDICATE JOINT LOCATIONS.
4. SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS.

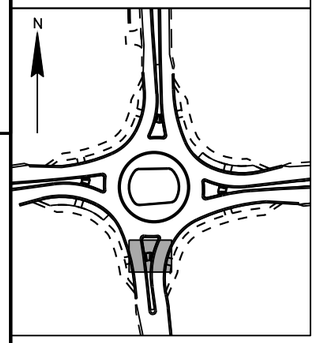


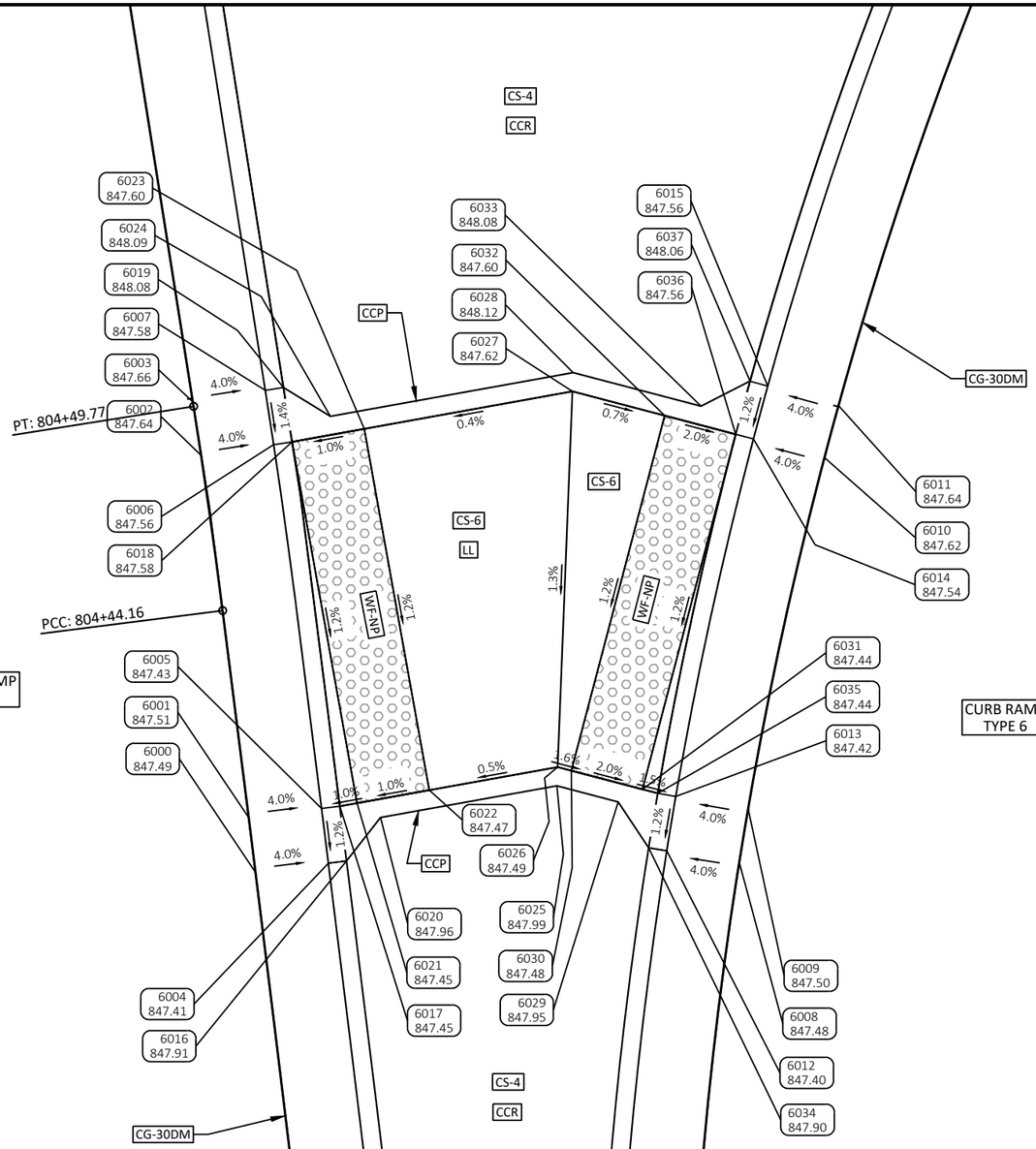
SAND PIT WEST CURB RAMP

POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
5000	253+95.87	0.00'	848.41	478917.17	762581.56
5001	253+97.34	0.00'	848.41	478916.89	762583.00
5002	254+07.15	0.00'	848.36	478914.60	762592.53
5003	254+08.61	0.00'	848.35	478914.18	762593.94
5004	253+95.87	2.00' LT	848.33	478919.13	762581.92
5005	253+97.34	2.00' LT	848.33	478918.86	762583.39
5006	254+07.15	2.00' LT	848.28	478916.52	762593.08
5007	254+08.61	2.00' LT	848.47	478916.10	762594.52
5008	253+94.72	12.84' LT	848.30	478930.02	762582.61
5009	253+96.01	13.26' LT	848.29	478930.18	762584.10
5010	254+04.37	16.56' LT	848.24	478931.35	762594.03
5011	254+05.57	17.15' LT	848.23	478931.56	762595.51
5012	253+95.22	10.91' LT	848.22	478928.03	762582.82
5013	253+96.53	11.34' LT	848.21	478928.19	762584.32
5014	254+05.05	14.72' LT	848.16	478929.37	762594.31
5015	254+06.27	15.31' LT	848.15	478929.58	762595.79
5016	253+95.87	2.50' LT	848.83	478919.63	762582.01
5017	253+97.34	2.50' LT	848.35	478919.35	762583.48
5018	254+07.15	2.50' LT	848.30	478917.00	762593.22
5019	254+08.61	2.50' LT	848.77	478916.58	762594.66
5020	253+96.95	3.49' LT	848.83	478920.40	762583.28
5021	253+97.40	3.07' LT	848.35	478919.90	762583.65
5022	253+97.62	5.06' LT	848.31	478921.80	762584.27
5023	254+07.17	4.50' LT	848.27	478918.91	762593.80
5024	254+07.65	3.50' LT	848.78	478917.82	762593.99
5025	253+97.38	7.99' LT	848.77	478924.72	762584.59
5026	253+97.93	7.92' LT	848.27	478924.54	762585.14
5027	254+07.25	10.27' LT	848.22	478924.44	762595.47
5028	254+07.71	10.40' LT	848.72	478924.43	762595.99
5029	253+96.61	9.81' LT	848.74	478926.67	762584.11
5030	253+97.14	9.74' LT	848.25	478926.49	762584.67
5031	254+06.10	12.51' LT	848.20	478926.94	762594.86
5032	254+06.07	13.58' LT	848.69	478927.98	762595.11
5033	253+95.35	10.43' LT	848.72	478927.53	762582.87
5034	253+96.67	10.86' LT	848.23	478927.69	762584.37
5035	254+05.22	14.26' LT	848.18	478928.88	762594.38
5036	254+06.45	14.85' LT	848.65	478929.09	762595.86

PROJECT NO: 6180-30-73	HWY: STH 21	COUNTY: WINNEBAGO	CURB RAMP DETAILS - STH 21 & SAND PIT RD	SHEET 78	E

LOCATION KEY





SAND PIT SOUTH CURB RAMP					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
6000	359+31.74	123.49' RT	847.49	478809.18	762671.71
6001	359+31.48	122.01' RT	847.51	478810.67	762671.53
6002	359+29.72	112.22' RT	847.64	478820.53	762670.24
6003	359+29.42	110.77' RT	847.66	478821.99	762670.01
6004	359+33.71	123.15' RT	847.41	478809.42	762673.70
6005	359+33.45	121.67' RT	847.43	478810.91	762673.51
6006	359+31.68	111.83' RT	847.56	478820.83	762672.21
6007	359+31.38	110.36' RT	847.58	478822.31	762671.98
6008	359+44.88	122.59' RT	847.48	478809.45	762684.89
6009	359+45.06	121.13' RT	847.50	478810.90	762685.13
6010	359+46.68	111.47' RT	847.62	478820.47	762687.21
6011	359+46.99	110.03' RT	847.64	478821.89	762687.59
6012	359+42.90	122.37' RT	847.40	478809.76	762682.92
6013	359+43.07	120.88' RT	847.42	478811.24	762683.16
6014	359+44.72	111.05' RT	847.54	478820.98	762685.28
6015	359+45.04	109.59' RT	847.56	478822.42	762685.67
6016	359+34.20	123.06' RT	847.91	478809.48	762674.20
6017	359+33.95	121.58' RT	847.45	478810.97	762674.01
6018	359+32.17	111.73' RT	847.58	478820.90	762672.71
6019	359+31.87	110.26' RT	848.08	478822.38	762672.48
6020	359+35.07	121.84' RT	847.96	478810.67	762675.12
6021	359+34.41	121.48' RT	847.45	478811.06	762674.48
6022	359+36.36	121.03' RT	847.47	478811.41	762676.45
6023	359+34.12	111.28' RT	847.60	478821.26	762674.68
6024	359+33.18	110.99' RT	848.09	478821.60	762673.75
6025	359+39.82	120.75' RT	847.99	478811.53	762679.92
6026	359+39.82	120.24' RT	847.49	478812.04	762679.94
6027	359+39.74	109.99' RT	847.62	478822.28	762680.35
6028	359+39.73	109.48' RT	848.12	478822.79	762680.37
6029	359+41.52	121.11' RT	847.95	478811.09	762681.59
6030	359+40.20	120.32' RT	847.48	478811.94	762680.32
6031	359+42.16	120.73' RT	847.44	478811.44	762682.25
6032	359+42.28	110.53' RT	847.60	478821.62	762682.86
6033	359+43.25	110.23' RT	848.08	478821.87	762683.85
6034	359+42.40	122.32' RT	847.90	478809.84	762682.42
6035	359+42.58	120.82' RT	847.44	478811.33	762682.67
6036	359+44.23	110.95' RT	847.56	478821.11	762684.79
6037	359+44.55	109.48' RT	848.06	478822.56	762685.18

LEGEND FOR CURB RAMP DETAILS

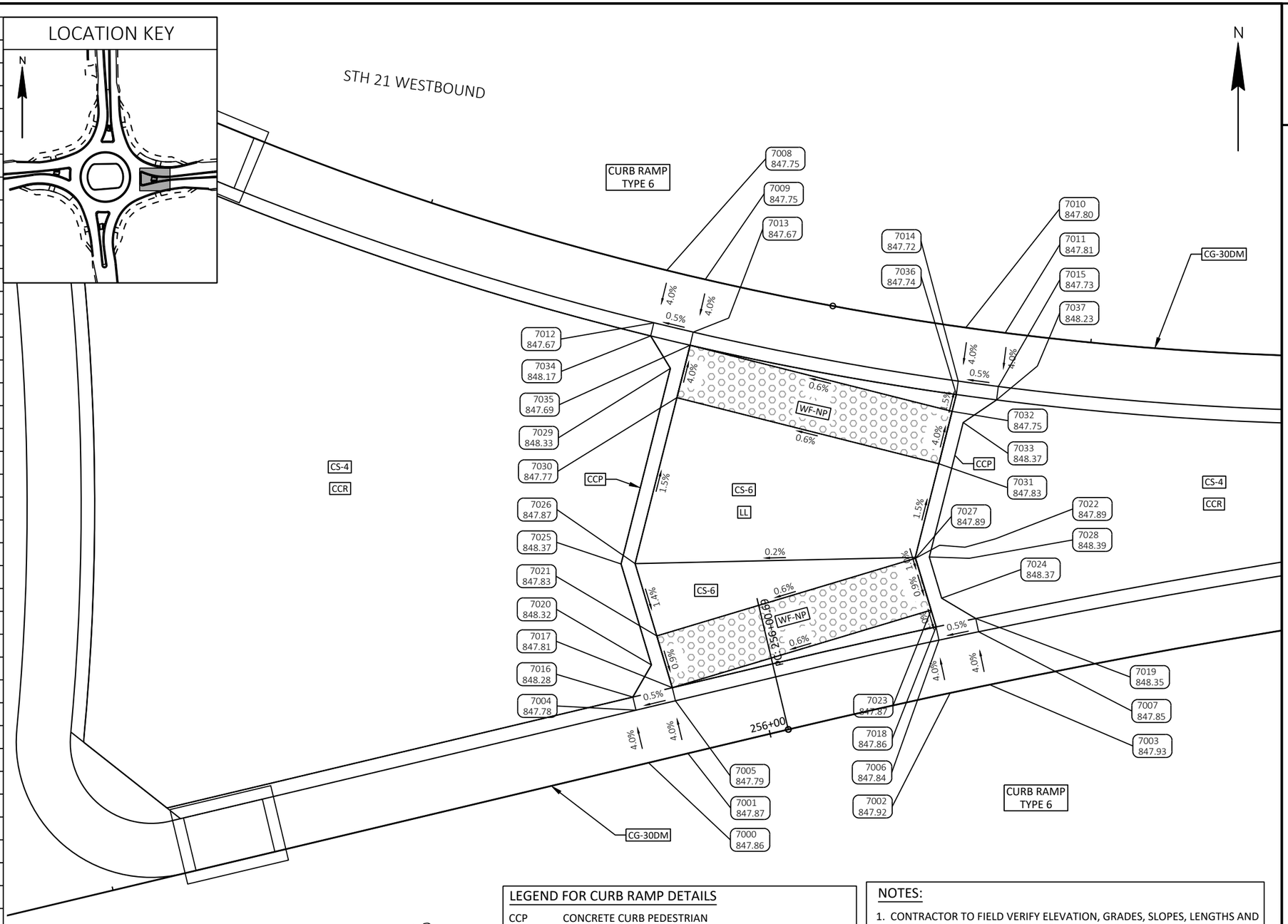
CCP	CONCRETE CURB PEDESTRIAN
CCR	COLORING CONCRETE, WISDOT RED
CG-30DM	CONCRETE CURB AND GUTTER, 30-INCH, TYPE D, MODIFIED
CS-4	CONCRETE SIDEWALK, 4-INCH
CS-6	CONCRETE SIDEWALK, 6-INCH
WF-NP	DETECTABLE WARNING FIELD, NATURAL PATINA
LL	LEVEL LANDING

NOTES:

1. CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO CURB & GUTTER AND SIDEWALK CONSTRUCTION.
2. THE ENGINEER MAY ADJUST ELEVATIONS TO MATCH FIELD CONDITIONS.
3. DASHED LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATION ONLY AND MAY NOT INDICATE JOINT LOCATIONS.
4. SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS.

SAND PIT EAST CURB RAMP					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
7000	360+37.22	17.92' RT	847.86	478901.11	762777.36
7001	360+38.40	17.28' RT	847.87	478901.46	762778.82
7002	360+46.51	13.48' RT	847.92	478903.69	762788.53
7003	360+47.77	12.99' RT	847.93	478904.00	762789.98
7004	360+36.47	16.12' RT	847.78	478903.05	762776.90
7005	360+37.66	15.47' RT	847.79	478903.40	762778.36
7006	360+45.90	11.59' RT	847.84	478905.65	762788.11
7007	360+47.19	11.10' RT	847.85	478905.96	762789.58
7008	360+34.06	0.00'	847.75	478919.34	762778.03
7009	360+35.53	0.00'	847.75	478919.00	762779.46
7010	360+45.33	0.00'	847.80	478917.22	762789.10
7011	360+46.81	0.00'	847.81	478917.02	762790.56
7012	360+34.06	2.00' RT	847.67	478917.39	762777.56
7013	360+35.53	2.00' RT	847.67	478917.05	762779.01
7014	360+45.33	2.00' RT	847.72	478915.23	762788.82
7015	360+46.81	2.00' RT	847.73	478915.04	762790.31
7016	360+36.28	15.67' RT	848.28	478903.54	762776.78
7017	360+37.47	15.02' RT	847.81	478903.89	762778.24
7018	360+45.75	11.12' RT	847.86	478906.14	762788.00
7019	360+47.04	10.63' RT	848.35	478906.45	762789.47
7020	360+36.64	14.36' RT	848.32	478904.73	762777.46
7021	360+36.61	13.27' RT	847.83	478905.80	762777.66
7022	360+44.73	8.72' RT	847.89	478908.68	762787.24
7023	360+45.50	10.53' RT	847.87	478906.76	762787.82
7024	360+45.80	10.04' RT	848.37	478907.20	762788.21
7025	360+34.91	10.96' RT	848.37	478908.47	762776.34
7026	360+35.37	10.83' RT	847.87	478908.48	762776.86
7027	360+44.73	8.72' RT	847.89	478908.68	762787.24
7028	360+45.19	8.60' RT	848.39	478908.72	762787.75
7029	360+35.02	3.50' RT	848.33	478915.71	762778.17
7030	360+35.49	4.50' RT	847.77	478914.62	762778.41
7031	360+45.06	5.13' RT	847.83	478912.18	762788.11
7032	360+45.27	3.14' RT	847.75	478914.12	762788.60
7033	360+45.72	3.49' RT	848.37	478913.70	762789.01
7034	360+34.06	2.50' RT	848.17	478916.91	762777.44
7035	360+35.53	2.50' RT	847.69	478916.56	762778.90
7036	360+45.33	2.50' RT	847.74	478914.74	762788.75
7037	360+46.81	2.50' RT	848.23	478914.54	762790.24

LOCATION KEY



LEGEND FOR CURB RAMP DETAILS

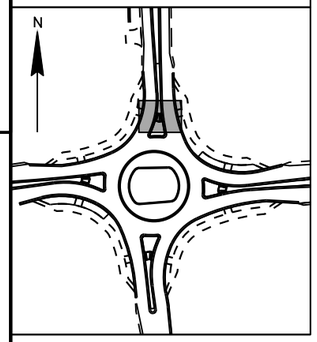
CCP	CONCRETE CURB PEDESTRIAN
CCR	COLORING CONCRETE, WISDOT RED
CG-30DM	CONCRETE CURB AND GUTTER, 30-INCH, TYPE D, MODIFIED
CS-4	CONCRETE SIDEWALK, 4-INCH
CS-6	CONCRETE SIDEWALK, 6-INCH
WF-NP	DETECTABLE WARNING FIELD, NATURAL PATINA
LL	LEVEL LANDING

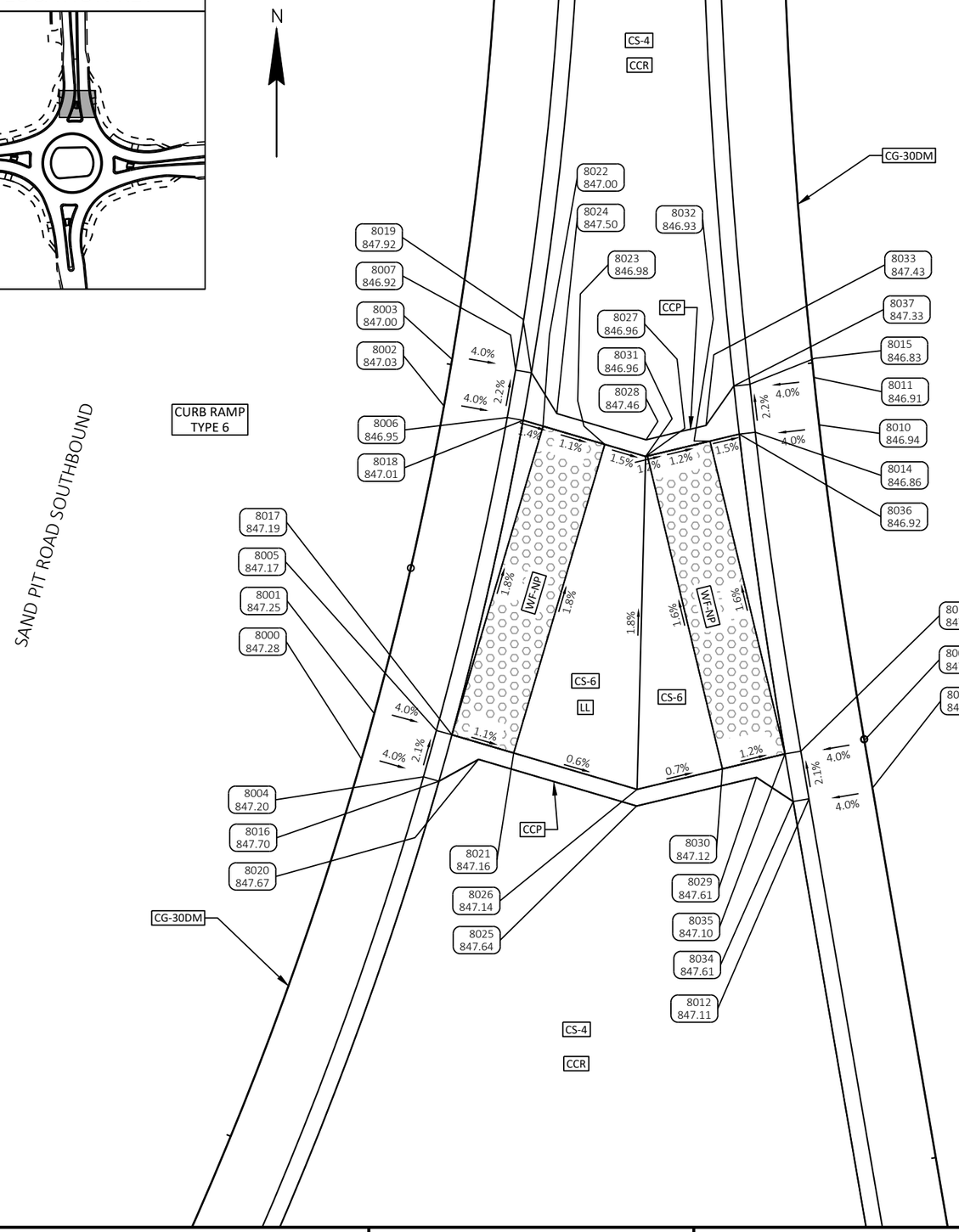
NOTES:

1. CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO CURB & GUTTER AND SIDEWALK CONSTRUCTION.
2. THE ENGINEER MAY ADJUST ELEVATIONS TO MATCH FIELD CONDITIONS.
3. DASHED LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATION ONLY AND MAY NOT INDICATE JOINT LOCATIONS.
4. SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS.

PROJECT NO: 6180-30-73	HWY: STH 21	COUNTY: WINNEBAGO	CURB RAMP DETAILS - STH 21 & SAND PIT RD	SHEET 80	E

LOCATION KEY





SAND PIT NORTH CURB RAMP					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
8000	806+37.42	0.00'	847.28	479006.66	762684.94
8001	806+38.88	0.00'	847.25	479008.07	762685.34
8002	806+48.69	0.00'	847.03	479017.63	762687.50
8003	806+50.16	0.00'	847.00	479019.08	762687.75
8004	806+37.42	2.00' RT	847.20	479006.11	762686.86
8005	806+38.88	2.00' RT	847.17	479007.54	762687.27
8006	806+48.69	2.00' RT	846.95	479017.28	762689.47
8007	806+50.16	2.00' RT	846.92	479018.75	762689.73
8008	806+40.50	15.56' RT	847.19	479005.76	762700.82
8009	806+41.71	14.95' RT	847.16	479007.24	762700.56
8010	806+50.05	11.58' RT	846.94	479017.05	762699.16
8011	806+51.35	11.19' RT	846.91	479018.52	762698.99
8012	806+39.77	13.73' RT	847.11	479005.42	762698.84
8013	806+41.00	13.12' RT	847.08	479006.90	762698.59
8014	806+49.54	9.66' RT	846.86	479016.82	762697.17
8015	806+50.87	9.25' RT	846.83	479018.31	762697.01
8016	806+37.42	2.50' RT	847.70	479005.97	762687.34
8017	806+38.88	2.50' RT	847.19	479007.41	762687.75
8018	806+48.69	2.50' RT	847.01	479017.19	762689.96
8019	806+50.16	2.50' RT	847.92	479018.67	762690.22
8020	806+38.38	3.50' RT	847.67	479006.65	762688.57
8021	806+38.84	4.50' RT	847.16	479006.85	762689.67
8022	806+48.62	3.14' RT	847.00	479017.00	762690.58
8023	806+48.42	5.13' RT	846.98	479016.44	762692.50
8024	806+49.08	3.49' RT	847.50	479017.40	762691.01
8025	806+38.30	8.62' RT	847.64	479005.20	762693.49
8026	806+38.77	8.50' RT	847.14	479005.72	762693.50
8027	806+48.29	6.45' RT	846.96	479016.06	762693.77
8028	806+48.77	6.37' RT	847.46	479016.58	762693.78
8029	806+39.98	11.98' RT	847.61	479006.09	762697.21
8030	806+39.97	10.89' RT	847.12	479006.35	762696.15
8031	806+48.29	6.45' RT	846.96	479016.06	762693.77
8032	806+49.06	8.33' RT	846.93	479016.54	762695.77
8033	806+49.49	8.12' RT	847.43	479017.03	762695.64
8034	806+39.59	13.28' RT	847.61	479005.34	762698.35
8035	806+40.81	12.66' RT	847.10	479006.82	762698.10
8036	806+49.41	9.18' RT	846.92	479016.76	762696.67
8037	806+50.75	8.77' RT	847.33	479018.25	762696.51

LEGEND FOR CURB RAMP DETAILS

CCP	CONCRETE CURB PEDESTRIAN
CCR	COLORING CONCRETE, WISDOT RED
CG-30DM	CONCRETE CURB AND GUTTER, 30-INCH, TYPE D, MODIFIED
CS-4	CONCRETE SIDEWALK, 4-INCH
CS-6	CONCRETE SIDEWALK, 6-INCH
WF-NP	DETECTABLE WARNING FIELD, NATURAL PATINA
LL	LEVEL LANDING

NOTES:

1. CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO CURB & GUTTER AND SIDEWALK CONSTRUCTION.
2. THE ENGINEER MAY ADJUST ELEVATIONS TO MATCH FIELD CONDITIONS.
3. DASHED LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATION ONLY AND MAY NOT INDICATE JOINT LOCATIONS.
4. SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS.

2

2

N

BP: 0+00.00

PI: 3+53.05

GUY
INL
SIGN
600
BM
SIGN
SIGN
SIGN
W
W
W
SIGN
C
C
RAMP
SIGN
SIGN
FLAG
SIGN
SIGN
C
INL

1 2 3 4 5 6

MH
MH
MH
MH
C
SIGN
SIGN
SIGN
MH
C
C
INL
MH
SIGN
SIGN
MH
SIGN
INL
MH
SIGN
SIGN
SIGN
C
C
C
C
INL
MH
SIGN
SIGN
SIGN
SIGN
MH
SIGN

STH 21

ADAMS AVE

601
BM

STH 116 / JEFFERSON AVE

LEGEND

EROSION MAT CLASS I TYPE B		INLET PROTECTION	
EROSION MAT URBAN CLASS I TYPE B		A B C	INLET PROTECTION TYPE
SILT FENCE		TEMPORARY DITCH CHECK	
RIPRAP MEDIUM		CULVERT PIPE CHECK	
SLOPE INTERCEPT		SURFACE WATER FLOW	

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	EROSION CONTROL	SHEET 82	E

FILE NAME : N:\PDS\C3D\61803000\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 022001-ec

PLOT DATE : 7/25/2025 6:21 AM PLOT BY : BALDERAS-RUEDEN, ANN PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

2

N

SIGN
SIGN
SIGN
MH
602
BM
PI: 8+08.49
SIGN
SIGN
SIGN
SIGN
SIGN
SIGN
INL
C
7
8
9
10
11
12
MH
MH
MH
MH
SIGN
SIGN
SIGN
SIGN
SIGN
SIGN

2

N

13 14 15 16 17 18

STH 21

MADISON AVE

MONROE AVE

605 BM

604 BM

LEGEND

- EROSION MAT CLASS I TYPE B
- EROSION MAT URBAN CLASS I TYPE B
- SILT FENCE
- RIPRAP MEDIUM
- SLOPE INTERCEPT
- INLET PROTECTION
- A B C — INLET PROTECTION TYPE
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	EROSION CONTROL	SHEET 84	E

FILE NAME : N:\PDS\C3D\61803000\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 022003-ec
PLOT DATE : 7/25/2025 6:22 AM
PLOT BY : BALDERAS-RUEDEN, ANN
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

N

SCOTT PARK DR

W SIGN

GUY

Pi: 21+25.98

INL C MH

SIGN SIGN SIGN

INL C SIGN

19 20 21 22 23 24 25

STH 21

INL C MH MH

SIGN SIGN SIGN

W

INL MH C SIGN GUY

QUINCY AVE

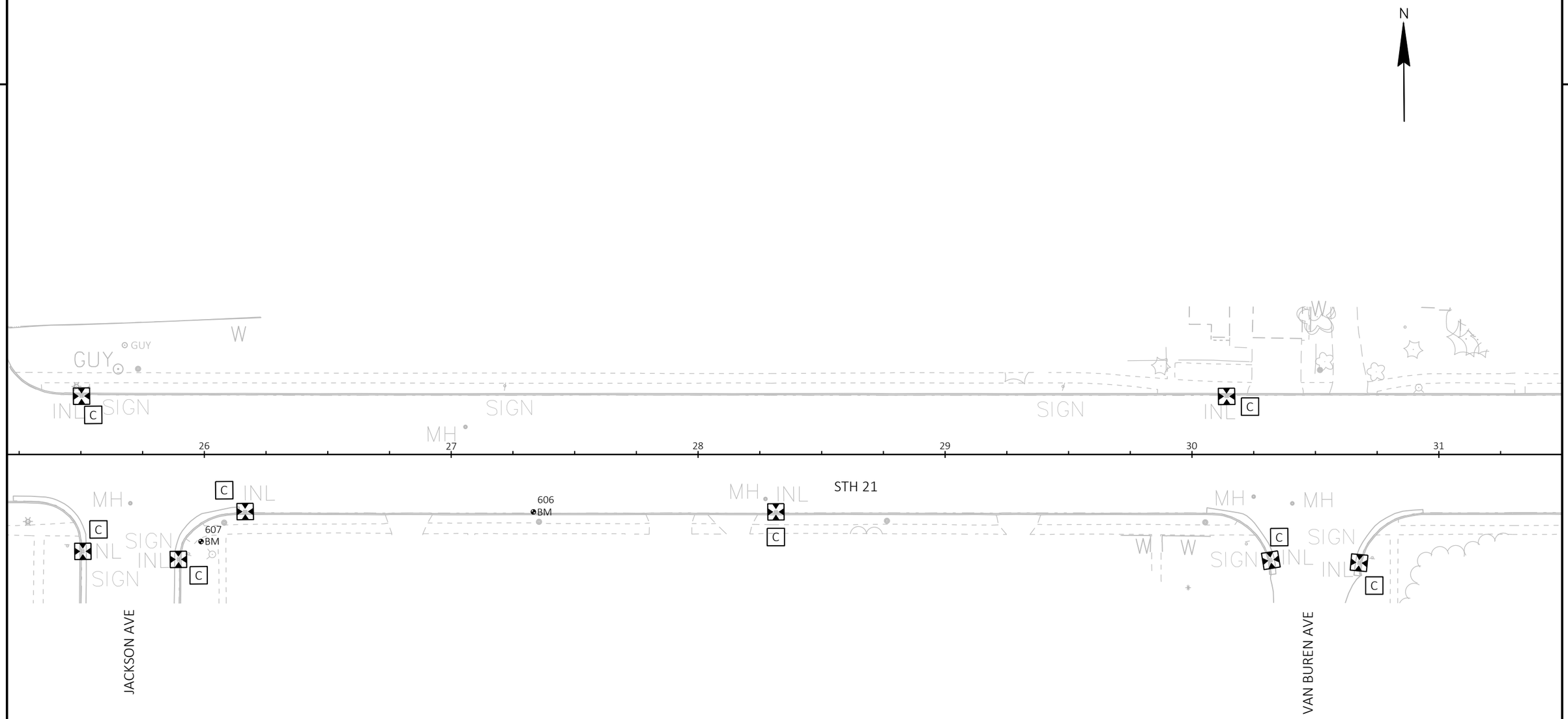
LEGEND

######	EROSION MAT CLASS I TYPE B		INLET PROTECTION
	EROSION MAT URBAN CLASS I TYPE B	A B C	INLET PROTECTION TYPE
	SILT FENCE	△△△	TEMPORARY DITCH CHECK
	RIPRAP MEDIUM	○○○	CULVERT PIPE CHECK
	SLOPE INTERCEPT		SURFACE WATER FLOW

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	EROSION CONTROL	SHEET 85	E

FILE NAME : N:\PDS\C3D\61803000\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 022004-ec
PLOT DATE : 7/25/2025 6:22 AM PLOT BY : BALDERAS-RUEDEN, ANN PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2



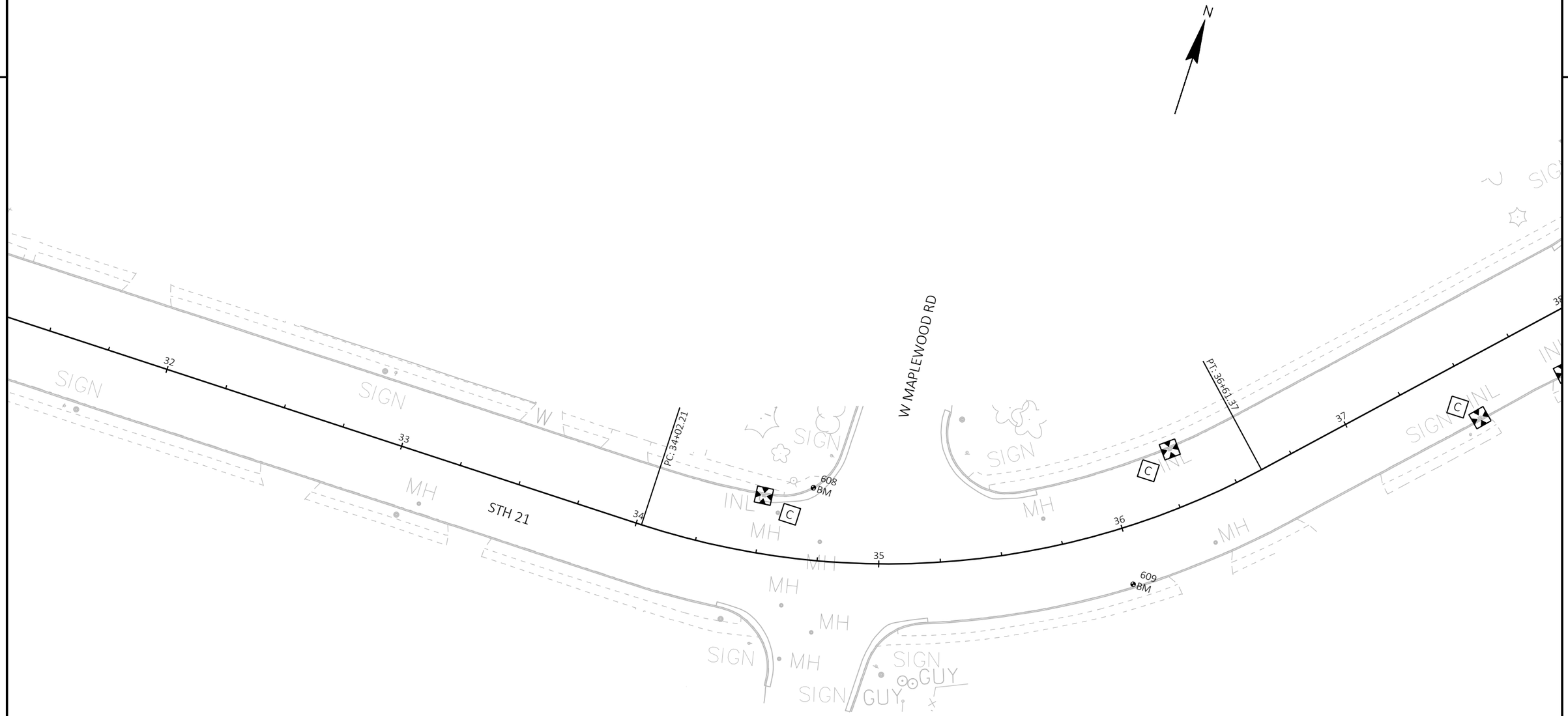
LEGEND

- EROSION MAT CLASS I TYPE B
- EROSION MAT URBAN CLASS I TYPE B
- SILT FENCE
- RIPRAP MEDIUM
- SLOPE INTERCEPT
- INLET PROTECTION
- A B C INLET PROTECTION TYPE
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	EROSION CONTROL	SHEET 86	E

FILE NAME : N:\PDS\C3D\61803000\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 022005-ec
PLOT DATE : 7/25/2025 6:22 AM
PLOT BY : BALDERAS-RUEDEN, ANN
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2



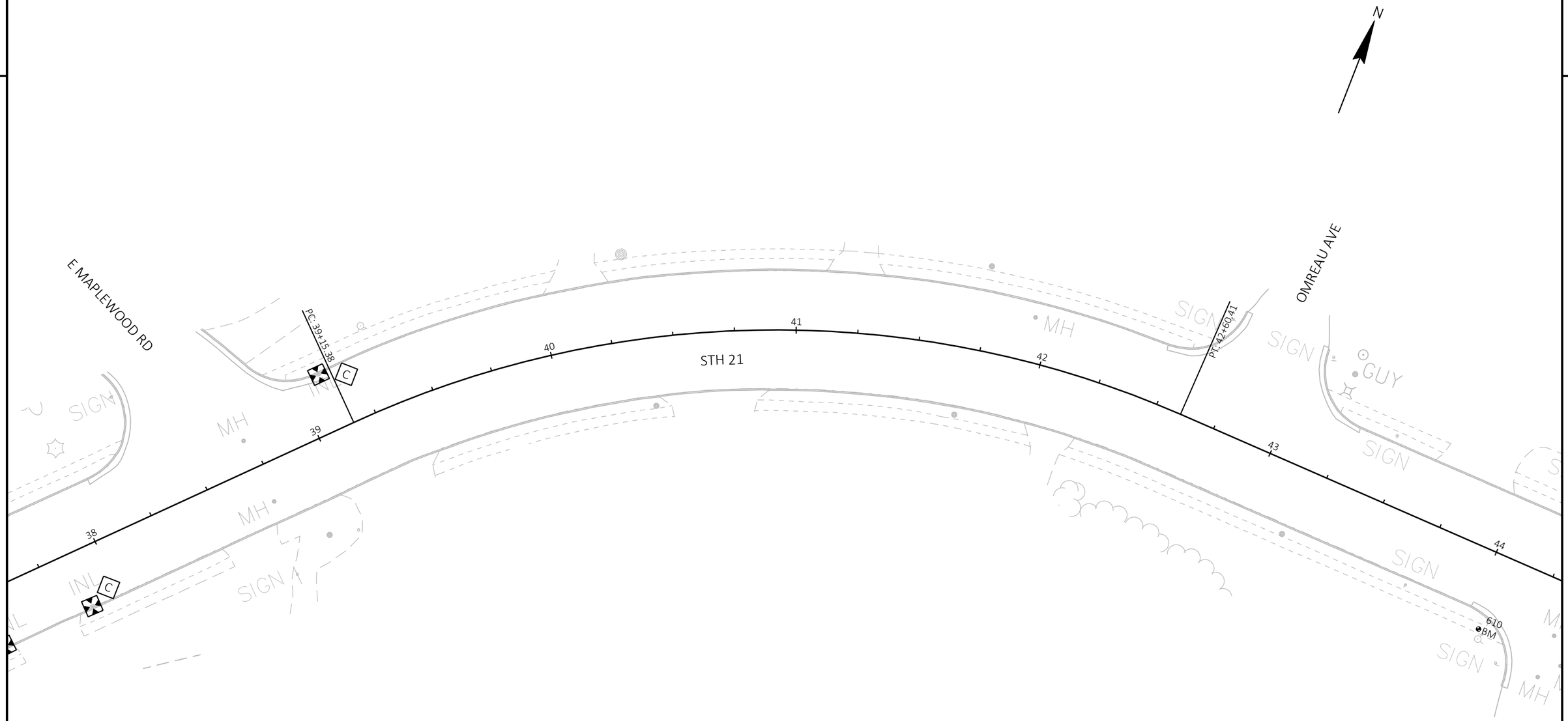
LEGEND

⌗⌗⌗⌗⌗⌗	EROSION MAT CLASS I TYPE B	⊠	INLET PROTECTION
▩▩▩▩▩▩	EROSION MAT URBAN CLASS I TYPE B	A B C	INLET PROTECTION TYPE
—•—•—	SILT FENCE	△△△	TEMPORARY DITCH CHECK
⊂⊃⊂⊃⊂⊃	RIPRAP MEDIUM	○○○	CULVERT PIPE CHECK
– – ⁄	SLOPE INTERCEPT	~~→	SURFACE WATER FLOW

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	EROSION CONTROL	SHEET 87	E

FILE NAME : N:\PDS\C3D\61803000\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 022006-ec
PLOT DATE : 7/25/2025 6:22 AM
PLOT BY : BALDERAS-RUEDEN, ANN
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2



LEGEND

EROSION MAT CLASS I TYPE B	INLET PROTECTION
EROSION MAT URBAN CLASS I TYPE B	A B C INLET PROTECTION TYPE
SILT FENCE	TEMPORARY DITCH CHECK
RIPRAP MEDIUM	CULVERT PIPE CHECK
SLOPE INTERCEPT	SURFACE WATER FLOW

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	EROSION CONTROL	SHEET 88	E

FILE NAME : N:\PDS\C3D\61803000\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 022007-ec

PLOT DATE : 7/25/2025 6:22 AM PLOT BY : BALDERAS-RUEDEN, ANN PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

2

N

BECKWITH AVE

PC: 47+35.13

45 46 47 48 49 50

MH SIGN INL C SIGN SIGN SIGN SIGN MH SIGN W

MH MH MH SIGN 611 BM STH 21 INL C SIGN SIGN SIGN MH GUY

MCKINLEY AVE

LEGEND

######	EROSION MAT CLASS I TYPE B	⊠	INLET PROTECTION
▭	EROSION MAT URBAN CLASS I TYPE B	A B C	INLET PROTECTION TYPE
—•—•—	SILT FENCE	△△△	TEMPORARY DITCH CHECK
▭▭▭	RIPRAP MEDIUM	○○○	CULVERT PIPE CHECK
– – –	SLOPE INTERCEPT	~→	SURFACE WATER FLOW

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	EROSION CONTROL	SHEET 89	E

FILE NAME : N:\PDS\C3D\61803000\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 022008-ec

PLOT DATE : 7/25/2025 6:22 AM PLOT BY : BALDERAS-RUEDEN, ANN PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

N

LINCOLN AVE

PT: 51+47.28

SIGN
SIGN
MH
MH
MH
MH
INL
C
INL
C

51 52 53 54 55 56

STH 21

C
INL
MH
612
BM
613
BM
MH
SIGN
INL
C
MH
MH
INL
C

LEGEND

EROSION MAT CLASS I TYPE B		INLET PROTECTION	
EROSION MAT URBAN CLASS I TYPE B		A B C	INLET PROTECTION TYPE
SILT FENCE		TEMPORARY DITCH CHECK	
RIPRAP MEDIUM		CULVERT PIPE CHECK	
SLOPE INTERCEPT		SURFACE WATER FLOW	

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	EROSION CONTROL	SHEET 90	E

FILE NAME : N:\PDS\C3D\61803000\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 022009-ec

PLOT DATE : 7/25/2025 6:22 AM PLOT BY : BALDERAS-RUEDEN, ANN PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

2

N

MOBILE HOME CT

SIGN

SIGN

MH

SIGN

MH

INL

C

MH

57

58

59

60

61

62

STH 21

SIGN

INL

C

MH

SIGN

RIPRAP

INDUSTRIAL DR

LEGEND

EROSION MAT CLASS I TYPE B

EROSION MAT URBAN CLASS I TYPE B

SILT FENCE

RIPRAP MEDIUM

SLOPE INTERCEPT

INLET PROTECTION

A B C INLET PROTECTION TYPE

TEMPORARY DITCH CHECK

CULVERT PIPE CHECK

SURFACE WATER FLOW

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	EROSION CONTROL	SHEET 91	E

FILE NAME : N:\PDS\C3D\61803000\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 022010-ec

PLOT DATE : 7/25/2025 6:22 AM PLOT BY : BALDERAS-RUEDEN, ANN PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

N

GUY
614
BM
PI: 63+28.25
SIGN

63 64 65 66 67 68 69

STH 21

MH
SIGN
615
BM
SIGN
MH
MH
GUY
B

INDUSTRIAL DR

LEGEND

EROSION MAT CLASS I TYPE B		INLET PROTECTION	
EROSION MAT URBAN CLASS I TYPE B		INLET PROTECTION TYPE	A B C
SILT FENCE		TEMPORARY DITCH CHECK	
RIPRAP MEDIUM		CULVERT PIPE CHECK	
SLOPE INTERCEPT		SURFACE WATER FLOW	

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	EROSION CONTROL	SHEET 92	E

FILE NAME : N:\PDS\C3D\61803000\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 022011-ec
PLOT DATE : 7/25/2025 6:22 AM
PLOT BY : BALDERAS-RUEDEN, ANN
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

2

N

SI

WETLANDS

SPRING BROOK

160 161 162 163 164 165

STH 21

SI

WETLANDS

℄ POST

℄ POST

EXISTING R/W (TYP.)

LEGEND

EROSION MAT CLASS I TYPE B	INLET PROTECTION
EROSION MAT URBAN CLASS I TYPE B	A B C INLET PROTECTION TYPE
SILT FENCE	TEMPORARY DITCH CHECK
RIPRAP MEDIUM	CULVERT PIPE CHECK
SLOPE INTERCEPT	SURFACE WATER FLOW

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	EROSION CONTROL	SHEET 93 E

FILE NAME : N:\PDS\C3D\61803000\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 022012-ec

PLOT DATE : 7/25/2025 6:22 AM PLOT BY : BALDERAS-RUEDEN, ANN PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

2

N

SPRING BROOK

SI

PC 167+35.93

164 165 166 167 168 169 170

STH 21

SI

WETLANDS

EXISTING R/W (TYP.)

LEGEND

EROSION MAT CLASS I TYPE B	INLET PROTECTION
EROSION MAT URBAN CLASS I TYPE B	INLET PROTECTION TYPE (A B C)
SILT FENCE	TEMPORARY DITCH CHECK
RIPRAP MEDIUM	CULVERT PIPE CHECK
SLOPE INTERCEPT	SURFACE WATER FLOW

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	EROSION CONTROL	SHEET 94	E

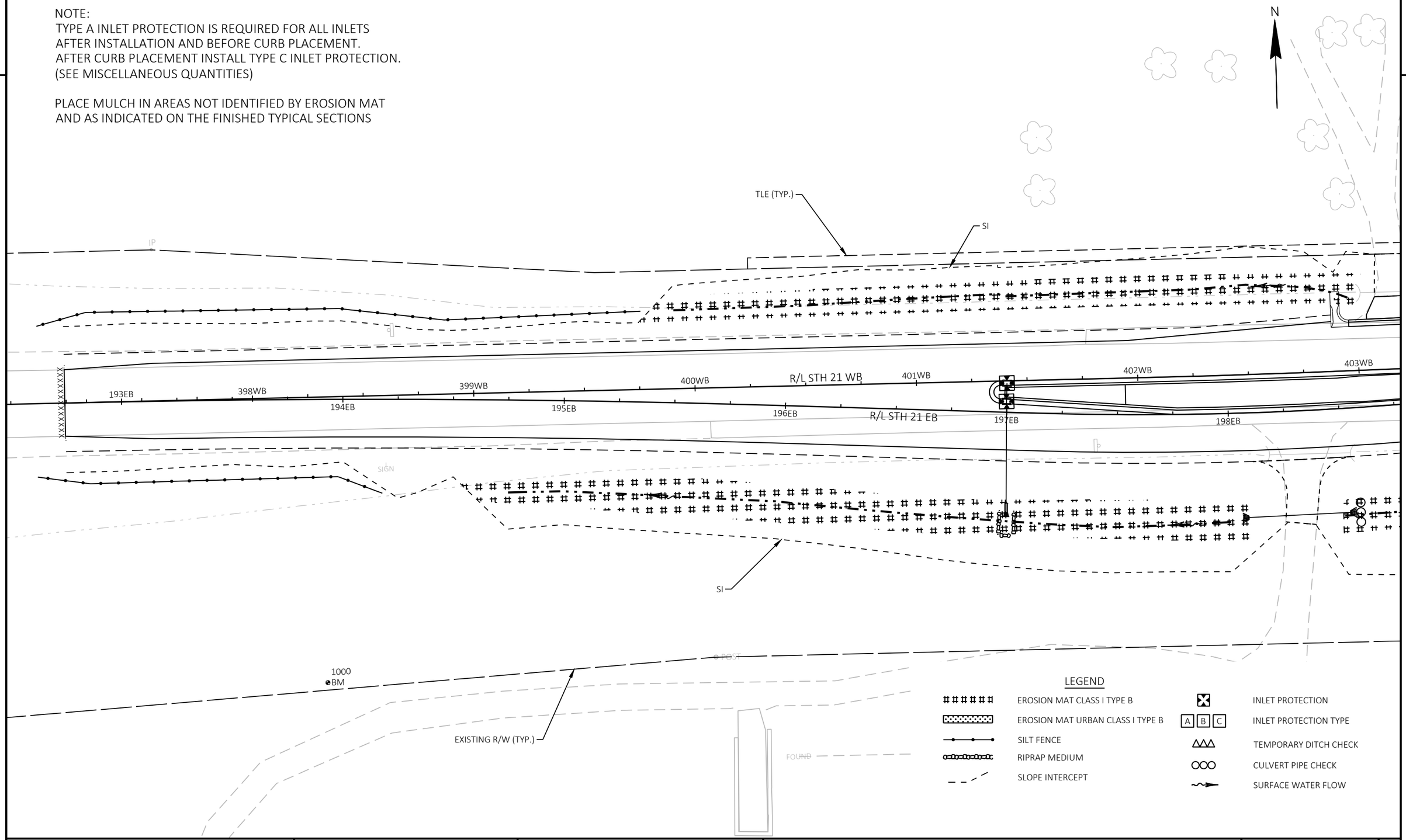
FILE NAME : N:\PDS\C3D\61803000\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 022013-ec

PLOT DATE : 7/25/2025 6:22 AM PLOT BY : BALDERAS-RUEDEN, ANN PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

NOTE:
TYPE A INLET PROTECTION IS REQUIRED FOR ALL INLETS
AFTER INSTALLATION AND BEFORE CURB PLACEMENT.
AFTER CURB PLACEMENT INSTALL TYPE C INLET PROTECTION.
(SEE MISCELLANEOUS QUANTITIES)

PLACE MULCH IN AREAS NOT IDENTIFIED BY EROSION MAT
AND AS INDICATED ON THE FINISHED TYPICAL SECTIONS



PROJECT NO: 6180-30-72	HWY: STH 21	COUNTY: WINNEBAGO	EROSION CONTROL	SHEET 95	E

FILE NAME : N:\PDS\C3D\61803000\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 022014-ec
PLOT DATE : 7/30/2025 9:10 AM
PLOT BY : DANA, SHARON T
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

NOTE:
TYPE A INLET PROTECTION IS REQUIRED FOR ALL INLETS AFTER INSTALLATION AND BEFORE CURB PLACEMENT. AFTER CURB PLACEMENT INSTALL TYPE C INLET PROTECTION. (SEE MISCELLANEOUS QUANTITIES)

PLACE MULCH IN AREAS NOT IDENTIFIED BY EROSION MAT AND AS INDICATED ON THE FINISHED TYPICAL SECTIONS

TLE (TYP.)
PROPOSED R/W (TYP.)
SI
EXISTING R/W (TYP.)
PROPOSED R/W (TYP.)
R/L CTH FF SB
R/L CTH FF NB
614SB
514NB
612SB
512NB
611SB
511NB
R/L STH 21 WB
R/L STH 21 EB
404WB
405WB
200EB
199EB
407WB
408WB
409WB
203EB
204EB
205EB
7NW1
8NW1
7SW1
3SW1
4SW1
5SW1
6SW1
7SE1
8SE1
6NE1
5NE1
6SE1
21RA
22RA
23RA
IP 1001 BM
FOUND
SEPV

LEGEND

- EROSION MAT CLASS I TYPE B
- EROSION MAT URBAN CLASS I TYPE B
- SILT FENCE
- RIPRAP MEDIUM
- SLOPE INTERCEPT
- INLET PROTECTION
- A B C INLET PROTECTION TYPE
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW

PROJECT NO: 6180-30-72	HWY: STH 21	COUNTY: WINNEBAGO	EROSION CONTROL	SHEET 96 E

FILE NAME : N:\PDS\C3D\61803000\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 022015-ec
PLOT DATE : 7/30/2025 9:10 AM
PLOT BY : DANA, SHARON T
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

NOTE:
TYPE A INLET PROTECTION IS REQUIRED FOR ALL INLETS
AFTER INSTALLATION AND BEFORE CURB PLACEMENT.
AFTER CURB PLACEMENT INSTALL TYPE C INLET PROTECTION
(SEE MISCELLANEOUS QUANTITIES)

PLACE MULCH IN AREAS NOT IDENTIFIED BY EROSION MAT
AND AS INDICATED ON THE FINISHED TYPICAL SECTIONS

N

PROPOSED R/W (TYP.)
EXISTING R/W (TYP.)
SI
410WB
411WB
R/L STH 21 WB
412WB
413WB
414WB
206EB
207EB
R/L STH 21 EB
208EB
209EB
210EB
211EB
1002
BM

LEGEND

- EROSION MAT CLASS I TYPE B
- EROSION MAT URBAN CLASS I TYPE B
- SILT FENCE
- RIPRAP MEDIUM
- SLOPE INTERCEPT
- INLET PROTECTION
- INLET PROTECTION TYPE (A B C)
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW

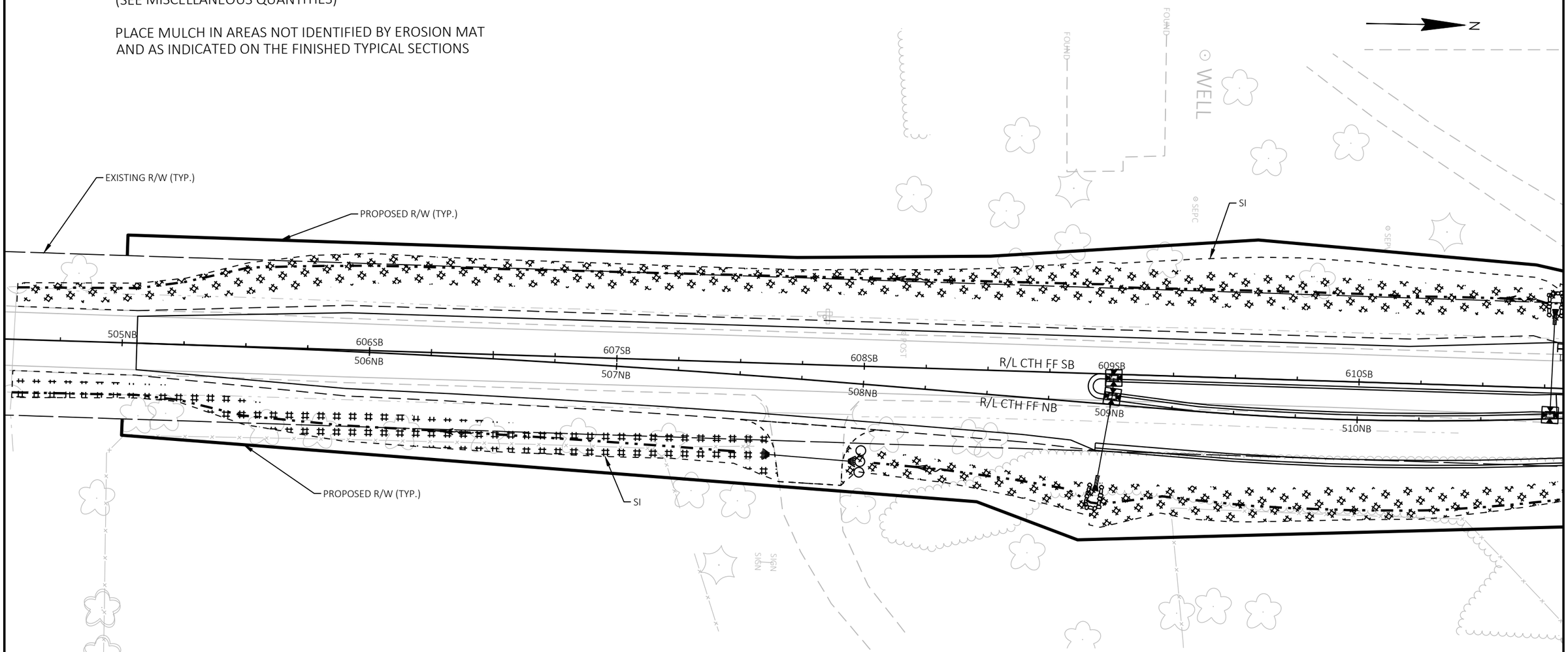
PROJECT NO: 6180-30-72	HWY: STH 21	COUNTY: WINNEBAGO	EROSION CONTROL	SHEET 97	E

FILE NAME : N:\PDS\C3D\61803000\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 022016-ec
PLOT DATE : 7/30/2025 9:10 AM
PLOT BY : DANA, SHARON T
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

2

NOTE:
TYPE A INLET PROTECTION IS REQUIRED FOR ALL INLETS
AFTER INSTALLATION AND BEFORE CURB PLACEMENT.
AFTER CURB PLACEMENT INSTALL TYPE C INLET PROTECTION
(SEE MISCELLANEOUS QUANTITIES)

PLACE MULCH IN AREAS NOT IDENTIFIED BY EROSION MAT
AND AS INDICATED ON THE FINISHED TYPICAL SECTIONS



PROJECT NO: 6180-30-72	HWY: STH 21	COUNTY: WINNEBAGO	EROSION CONTROL	SHEET 98	E

NOTE:
TYPE A INLET PROTECTION IS REQUIRED FOR ALL INLETS AFTER INSTALLATION AND BEFORE CURB PLACEMENT. AFTER CURB PLACEMENT INSTALL TYPE C INLET PROTECTION (SEE MISCELLANEOUS QUANTITIES)

PLACE MULCH IN AREAS NOT IDENTIFIED BY EROSION MAT AND AS INDICATED ON THE FINISHED TYPICAL SECTIONS

N

TLE (TYP.)

PROPOSED R/W (TYP.)

EXISTING R/W (TYP.)

SI

615SB 616SB R/L CTH FF SB 617SB 618SB 619SB 620SB

515NB 516NB R/L CTH FF NB 517NB 518NB 519NB 520NB

SI

PROPOSED R/W (TYP.)

LEGEND

######	EROSION MAT CLASS I TYPE B	⊠	INLET PROTECTION
▭	EROSION MAT URBAN CLASS I TYPE B	A B C	INLET PROTECTION TYPE
—•—•—	SILT FENCE	△△△	TEMPORARY DITCH CHECK
⚬⚬⚬⚬⚬	RIPRAP MEDIUM	○○○	CULVERT PIPE CHECK
– – –	SLOPE INTERCEPT	~→	SURFACE WATER FLOW

PROJECT NO: 6180-30-72	HWY: STH 21	COUNTY: WINNEBAGO	EROSION CONTROL	SHEET 99	E

FILE NAME : N:\PDS\C3D\61803000\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 022018-ec

PLOT DATE : 7/30/2025 9:10 AM PLOT BY : DANA, SHARON T PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

NOTE:
TYPE A INLET PROTECTION IS REQUIRED FOR ALL INLETS
AFTER INSTALLATION AND BEFORE CURB PLACEMENT.
AFTER CURB PLACEMENT INSTALL TYPE C INLET PROTECTION.
(SEE MISCELLANEOUS QUANTITIES)

PLACE MULCH IN AREAS NOT IDENTIFIED BY EROSION MAT
AND AS INDICATED ON THE FINISHED TYPICAL SECTIONS

N

EXISTING R/W (TYP.)

SI

246EB
247EB
248EB
249EB
250EB
251EB
351WB
352WB
353WB
354WB
355WB
R/L STH 21 WB
R/L STH 21 EB

SI

1003
BM

LEGEND

EROSION MAT CLASS I TYPE B		INLET PROTECTION	
EROSION MAT URBAN CLASS I TYPE B		INLET PROTECTION TYPE	A B C
SILT FENCE		TEMPORARY DITCH CHECK	
RIPRAP MEDIUM		CULVERT PIPE CHECK	
SLOPE INTERCEPT		SURFACE WATER FLOW	

PROJECT NO: 6180-30-73	HWY: STH 21	COUNTY: WINNEBAGO	EROSION CONTROL	SHEET 100	E

FILE NAME : N:\PDS\C3D\61803000\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 022019-ec
PLOT DATE : 7/30/2025 9:10 AM
PLOT BY : DANA, SHARON T
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

NOTE:
TYPE A INLET PROTECTION IS REQUIRED FOR ALL INLETS
AFTER INSTALLATION AND BEFORE CURB PLACEMENT.
AFTER CURB PLACEMENT INSTALL TYPE C INLET PROTECTION.
(SEE MISCELLANEOUS QUANTITIES)

PLACE MULCH IN AREAS NOT IDENTIFIED BY EROSION MAT
AND AS INDICATED ON THE FINISHED TYPICAL SECTIONS

N

PROPOSED R/W (TYP.)

EXISTING R/W (TYP.)

807SB
607NB
32NW
R/L SAND PIT SB
R/L SAND PIT NB
42NE
13RA
31NW
R/L STH 21 WB
358WB
356WB
357WB
361WB
253EB
254EB
R/L STH 21 EB
252EB
215W
12RA
256EB
257EB
63SE
11RA
SI
225W
R/L SAND PIT SB
R/L SAND PIT NB
804SB
604NB
62SE
61SE
100ft
RBM

LEGEND

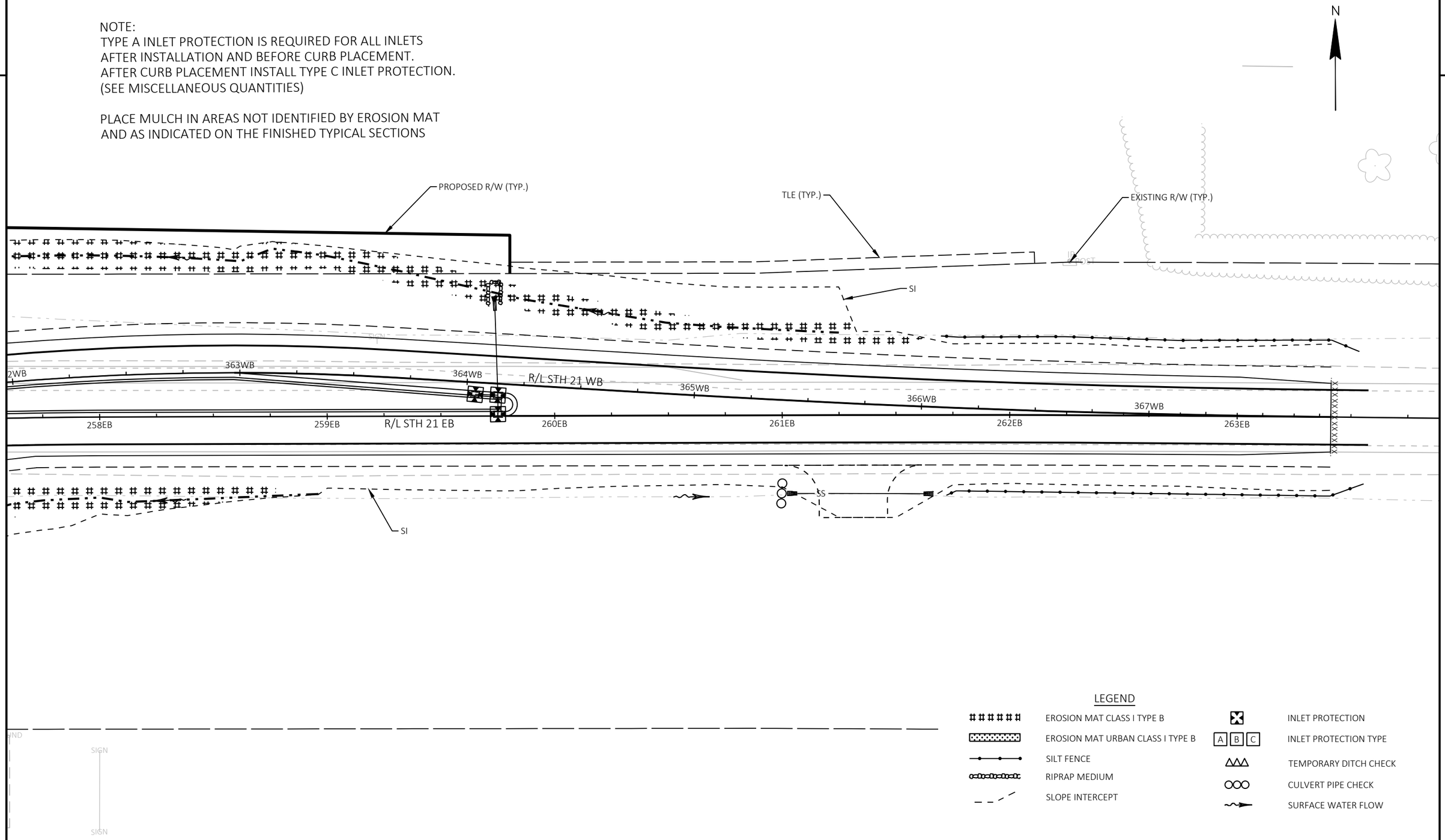
EROSION MAT CLASS I TYPE B		INLET PROTECTION	
EROSION MAT URBAN CLASS I TYPE B	A B C	INLET PROTECTION TYPE	
SILT FENCE		TEMPORARY DITCH CHECK	
RIPRAP MEDIUM		CULVERT PIPE CHECK	
SLOPE INTERCEPT		SURFACE WATER FLOW	

PROJECT NO: 6180-30-73	HWY: STH 21	COUNTY: WINNEBAGO	EROSION CONTROL	SHEET 101	E

FILE NAME : N:\PDS\C3D\61803000\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 022020-ec
PLOT DATE : 7/30/2025 9:10 AM
PLOT BY : DANA, SHARON T
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

NOTE:
TYPE A INLET PROTECTION IS REQUIRED FOR ALL INLETS
AFTER INSTALLATION AND BEFORE CURB PLACEMENT.
AFTER CURB PLACEMENT INSTALL TYPE C INLET PROTECTION.
(SEE MISCELLANEOUS QUANTITIES)

PLACE MULCH IN AREAS NOT IDENTIFIED BY EROSION MAT
AND AS INDICATED ON THE FINISHED TYPICAL SECTIONS



LEGEND

- EROSION MAT CLASS I TYPE B
- EROSION MAT URBAN CLASS I TYPE B
- SILT FENCE
- RIPRAP MEDIUM
- SLOPE INTERCEPT
- INLET PROTECTION
- INLET PROTECTION TYPE (A B C)
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW

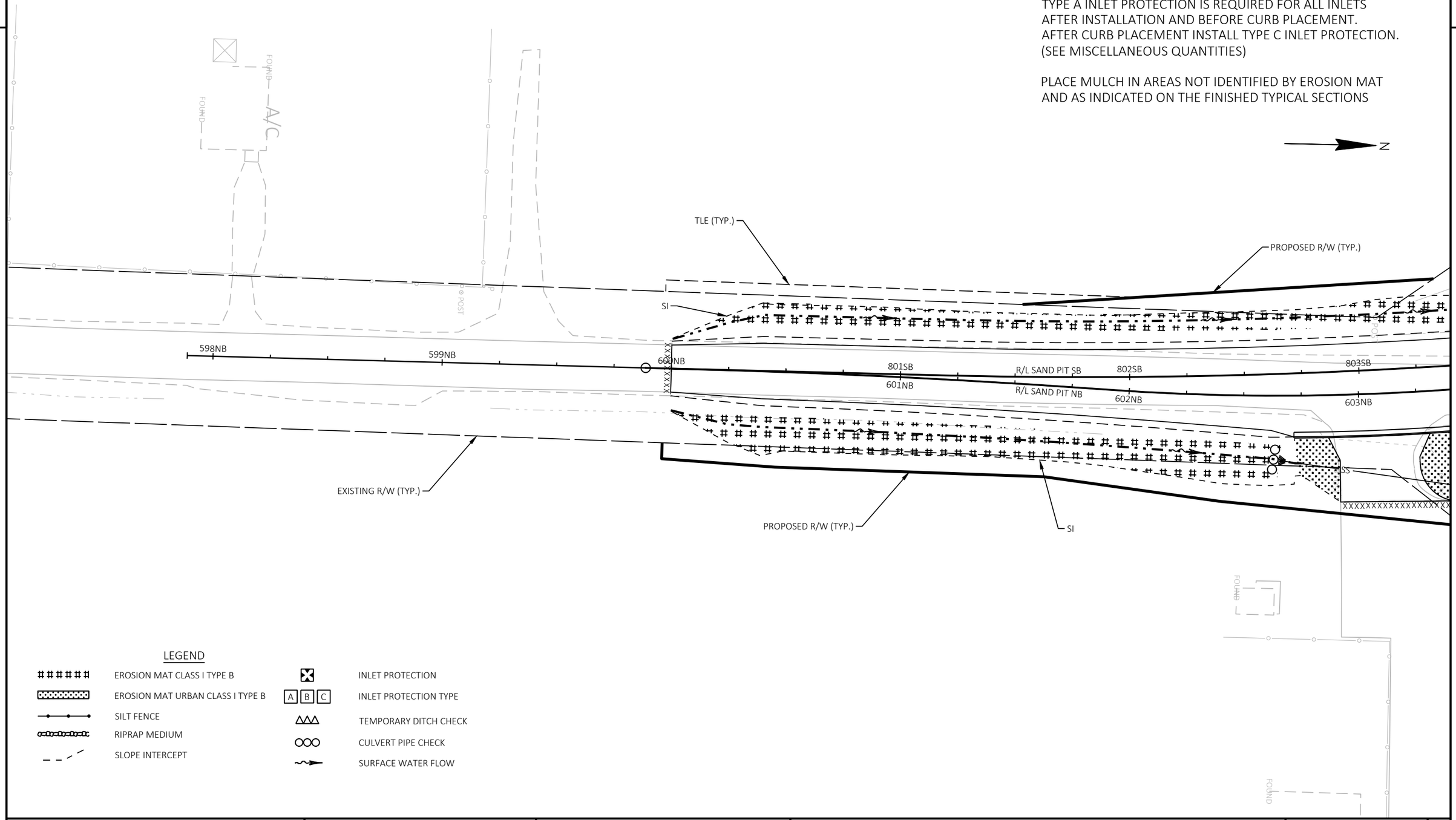
PROJECT NO: 6180-30-73	HWY: STH 21	COUNTY: WINNEBAGO	EROSION CONTROL	SHEET 102	E

FILE NAME : N:\PDS\C3D\61803000\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 022021-ec
PLOT DATE : 7/30/2025 9:10 AM
PLOT BY : DANA, SHARON T
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

2

NOTE:
TYPE A INLET PROTECTION IS REQUIRED FOR ALL INLETS AFTER INSTALLATION AND BEFORE CURB PLACEMENT. AFTER CURB PLACEMENT INSTALL TYPE C INLET PROTECTION. (SEE MISCELLANEOUS QUANTITIES)

PLACE MULCH IN AREAS NOT IDENTIFIED BY EROSION MAT AND AS INDICATED ON THE FINISHED TYPICAL SECTIONS



LEGEND

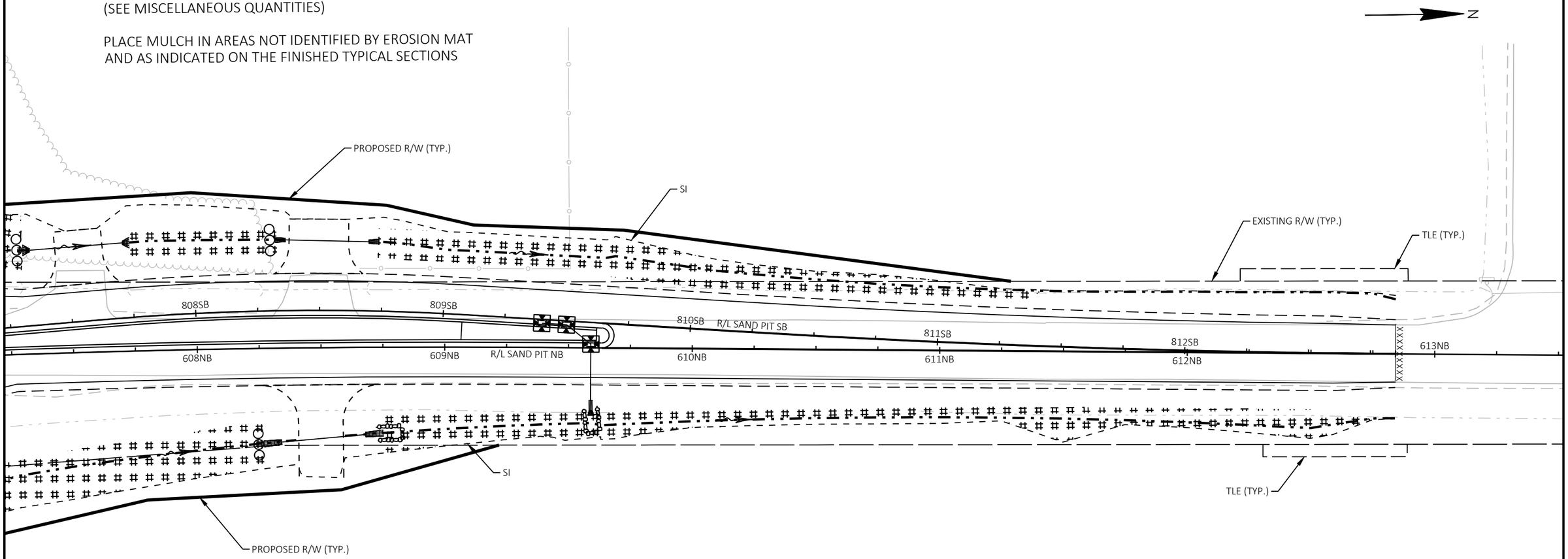
######	EROSION MAT CLASS I TYPE B		INLET PROTECTION
	EROSION MAT URBAN CLASS I TYPE B	A B C	INLET PROTECTION TYPE
	SILT FENCE		TEMPORARY DITCH CHECK
	RIPRAP MEDIUM		CULVERT PIPE CHECK
	SLOPE INTERCEPT		SURFACE WATER FLOW

PROJECT NO: 6180-30-73	HWY: STH 21	COUNTY: WINNEBAGO	EROSION CONTROL	SHEET 103	E

2

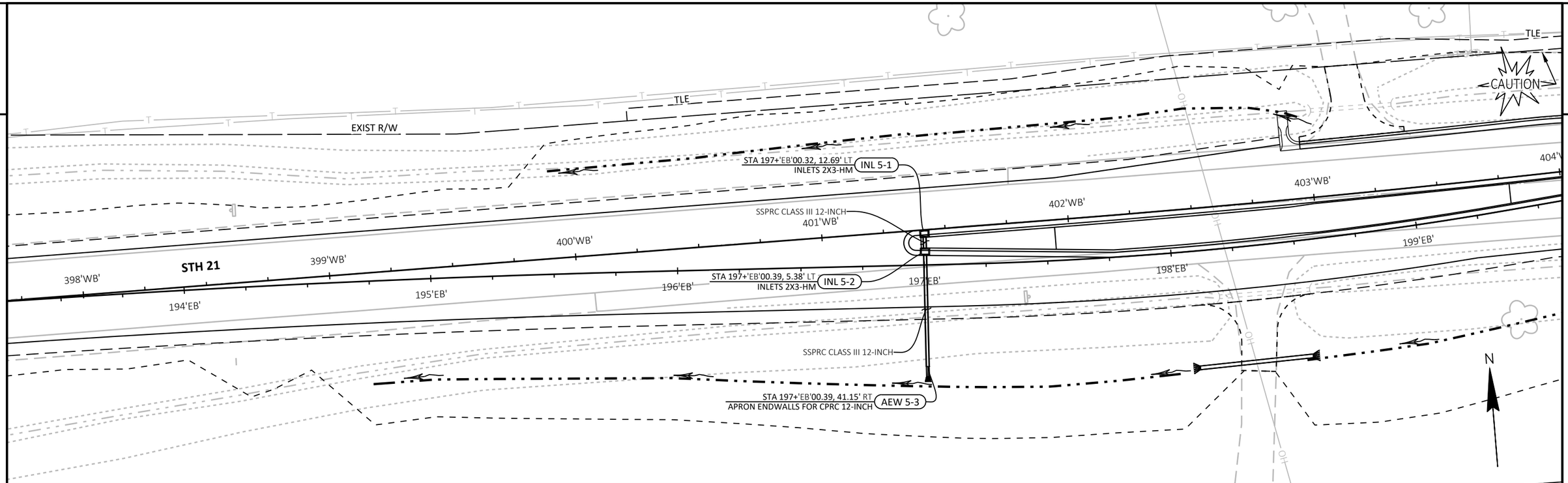
NOTE:
TYPE A INLET PROTECTION IS REQUIRED FOR ALL INLETS
AFTER INSTALLATION AND BEFORE CURB PLACEMENT.
AFTER CURB PLACEMENT INSTALL TYPE C INLET PROTECTION.
(SEE MISCELLANEOUS QUANTITIES)

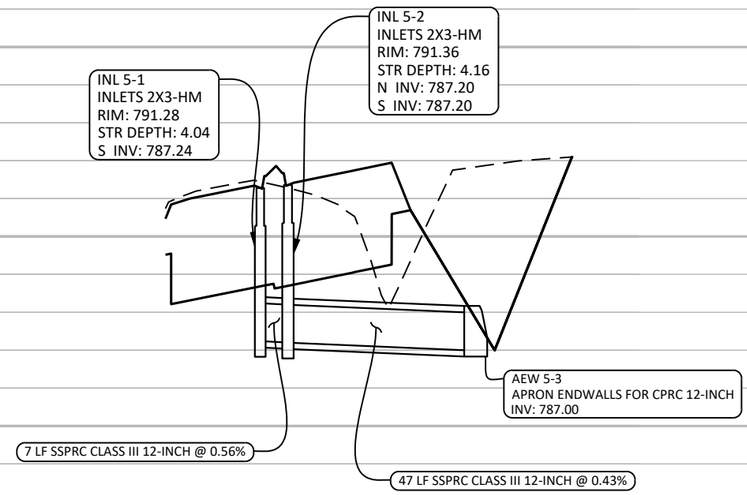
PLACE MULCH IN AREAS NOT IDENTIFIED BY EROSION MAT
AND AS INDICATED ON THE FINISHED TYPICAL SECTIONS



LEGEND

EROSION MAT CLASS I TYPE B		INLET PROTECTION	
EROSION MAT URBAN CLASS I TYPE B		INLET PROTECTION TYPE	A B C
SILT FENCE		TEMPORARY DITCH CHECK	
RIPRAP MEDIUM		CULVERT PIPE CHECK	
SLOPE INTERCEPT		SURFACE WATER FLOW	

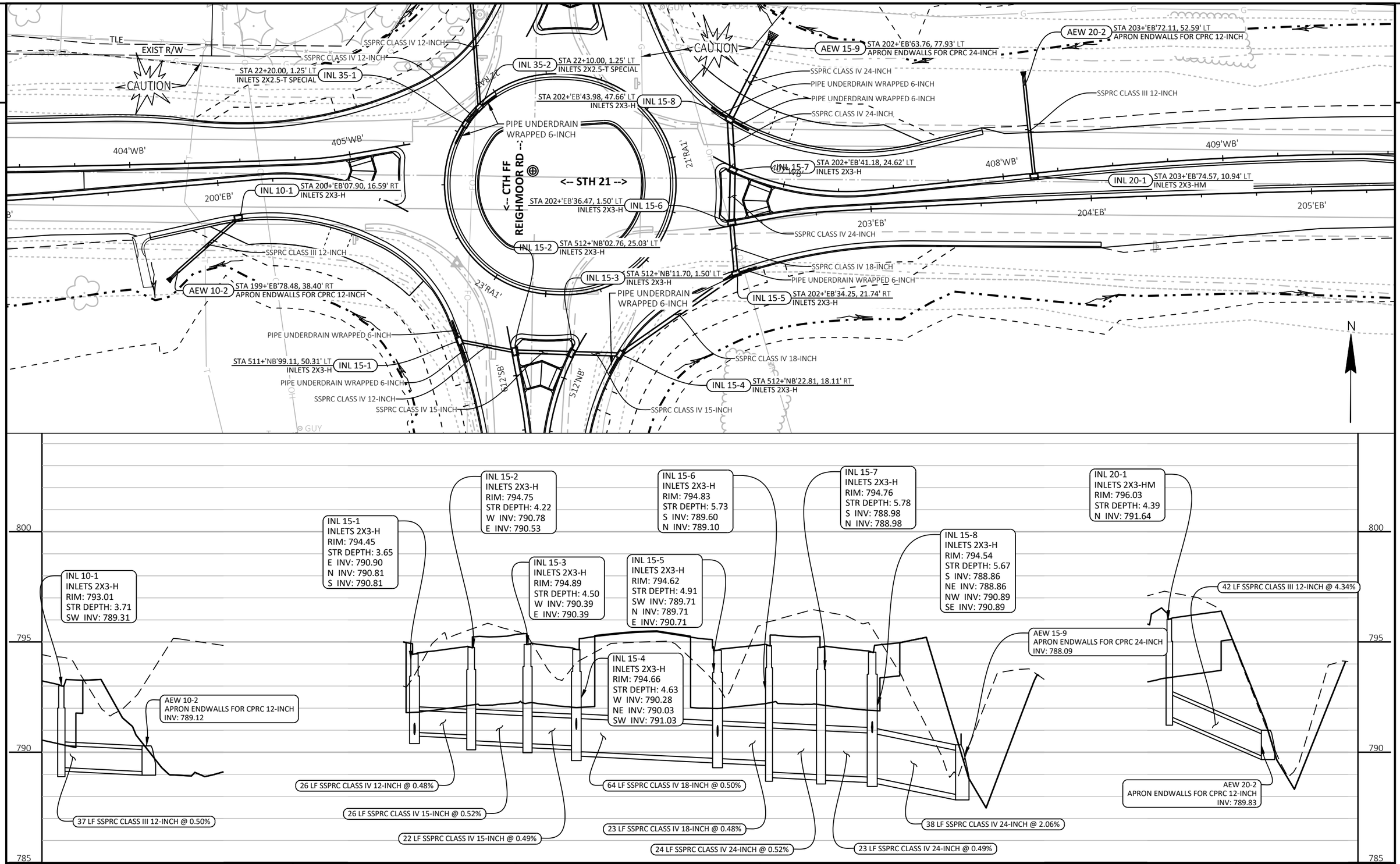




795
790
785
780

PROJECT NO: 6180-30-72	HWY: STH 21	COUNTY: WINNEBAGO	STORM SEWER - STH 21 & CTH FF	SHEET 105	E

FILE NAME : N:\3001091.00\CIVIL 3D\SHEETSPLAN\61803071-022500-SS.DWG
LAYOUT NAME - 61803071-022511-ss
PLOT DATE : 9/22/2025 7:39 AM PLOT BY : MATT TOMSOVIC PLOT NAME : PLOT SCALE : 1 IN:40 FT

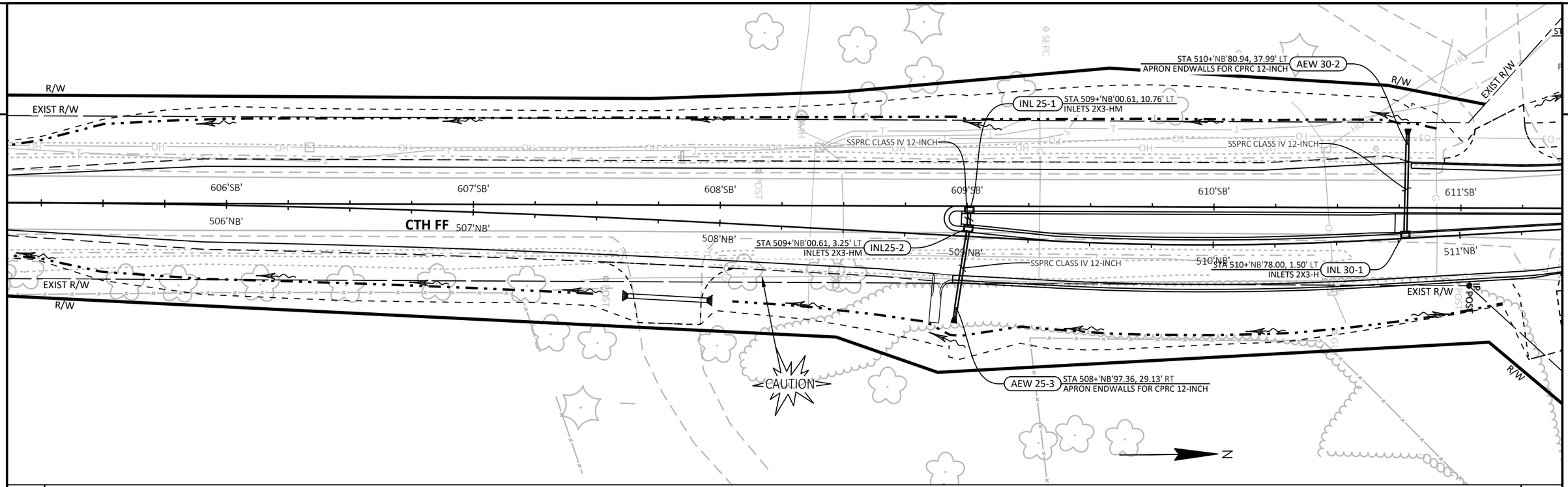


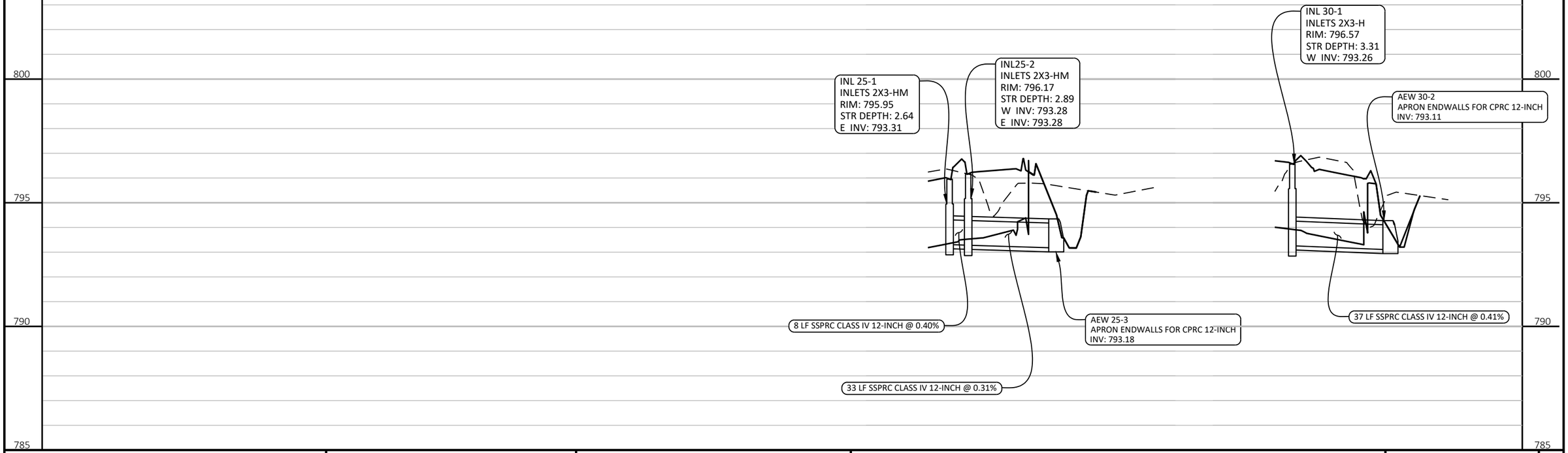
PROJECT NO: 6180-30-72	HWY: STH 21	COUNTY: WINNEBAGO	STORM SEWER - STH 21 & CTH FF	SHEET 106	E

FILE NAME : N:\3001091.00\CIVIL 3D\SHEETSPLAN\61803071-022500-SS.DWG
LAYOUT NAME - 61803071-022512-ss

PLOT DATE : 9/22/2025 7:40 AM PLOT BY : MATT TOMSOVIC PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 41



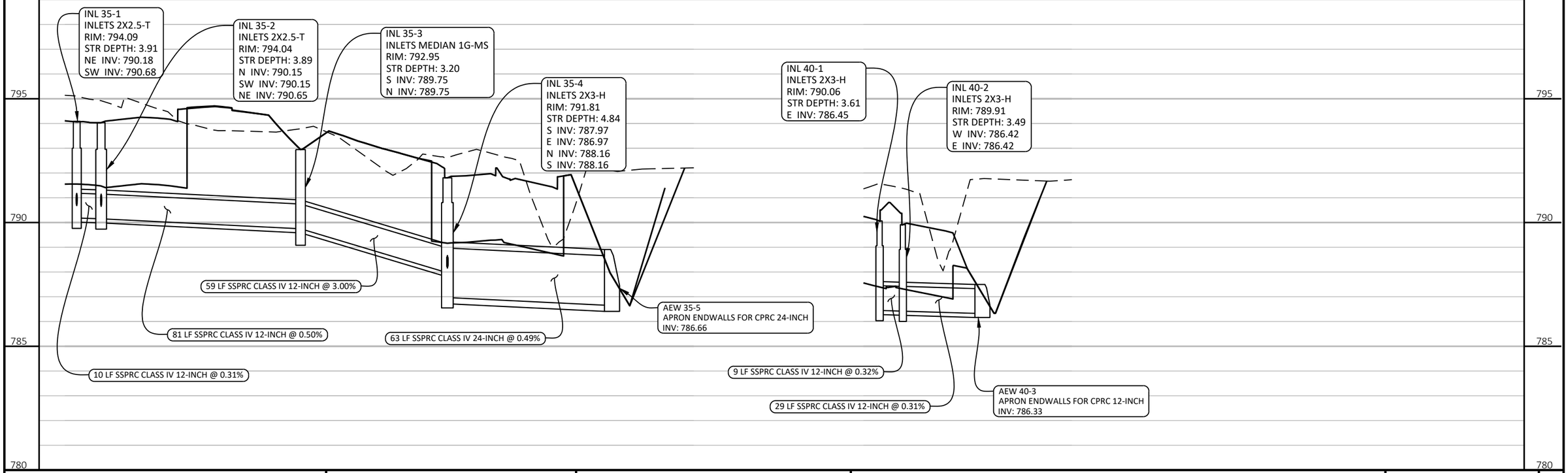


PROJECT NO: 6180-30-72	HWY: STH 21	COUNTY: WINNEBAGO	STORM SEWER - CTH FF-REIGHMOOR RD	SHEET 107 E

FILE NAME : N:\3001091.00\CIVIL 3D\SHEETSPLAN\61803071-022500-SS.DWG
LAYOUT NAME - 61803071-022521-ss
PLOT DATE : 7/16/2025 8:38 AM
PLOT BY : MATT TOMSOVIC
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 41

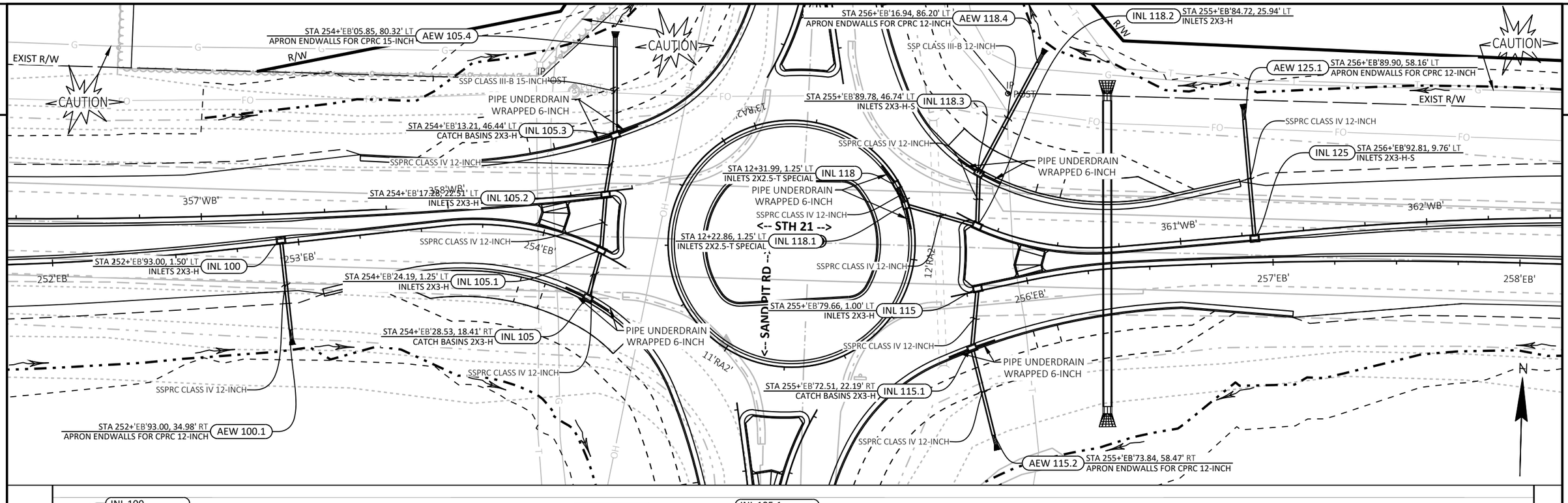
2

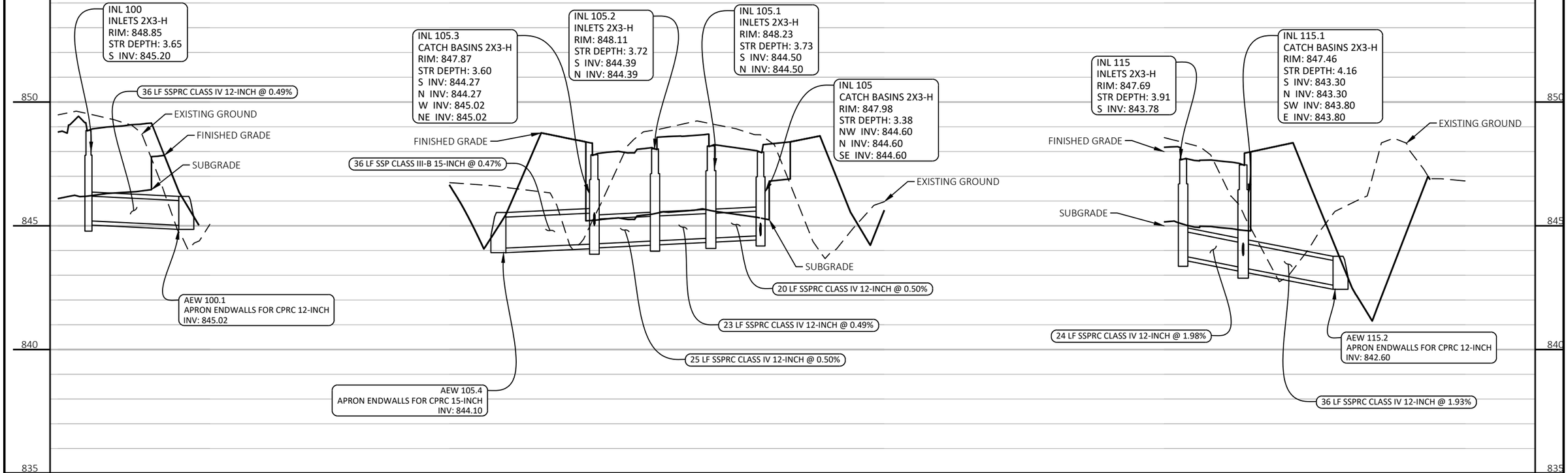
INL 35-1
STA 514+'NB'13.09, 52.65' LT
INLETS MEDIAN 1G-MS
SSPRC CLASS IV 12-INCH
TLE
EXIST R/W
INL 35-3
SSPRC CLASS IV 12-INCH
INL 35-4
STA 514+'NB'63.94, 27.26' LT
INLETS 2X3-H
PIPE UNDERDRAIN WRAPPED 6-INCH
INL 40-1
STA 515+'NB'30.70, 10.91' LT
INLETS 2X3-H
R/W
EXIST R/W
INL 35-2
STA 22+10.00, 1.25' LT
INLETS 2X2.5-T SPECIAL
PIPE UNDERDRAIN WRAPPED 6-INCH
PIPE UNDERDRAIN WRAPPED 6-INCH
SSPRC CLASS IV 12-INCH
INL 40-2
STA 515+'NB'30.86, 1.50' LT
INLETS 2X3-H
REIGHMOOR RD
SSPRC CLASS IV 24-INCH
SSPRC CLASS IV 12-INCH
AEW 40-3
STA 515+'NB'30.86, 27.61' RT
APRON ENDWALLS FOR CPRC 12-INCH
AEW 35-5
STA 201+'NB'87.84, 198.70' LT
APRON ENDWALLS FOR CPRC 24-INCH
INL 15-8
CAUTION
EXIST R/W
R/W
EXIST R/W
R/W
614'SB'
615'SB'
616'SB'
617'SB'
618'SB'
619'SB'
514'NB'
515'NB'
516'NB'
517'NB'
518'NB'
519'NB'



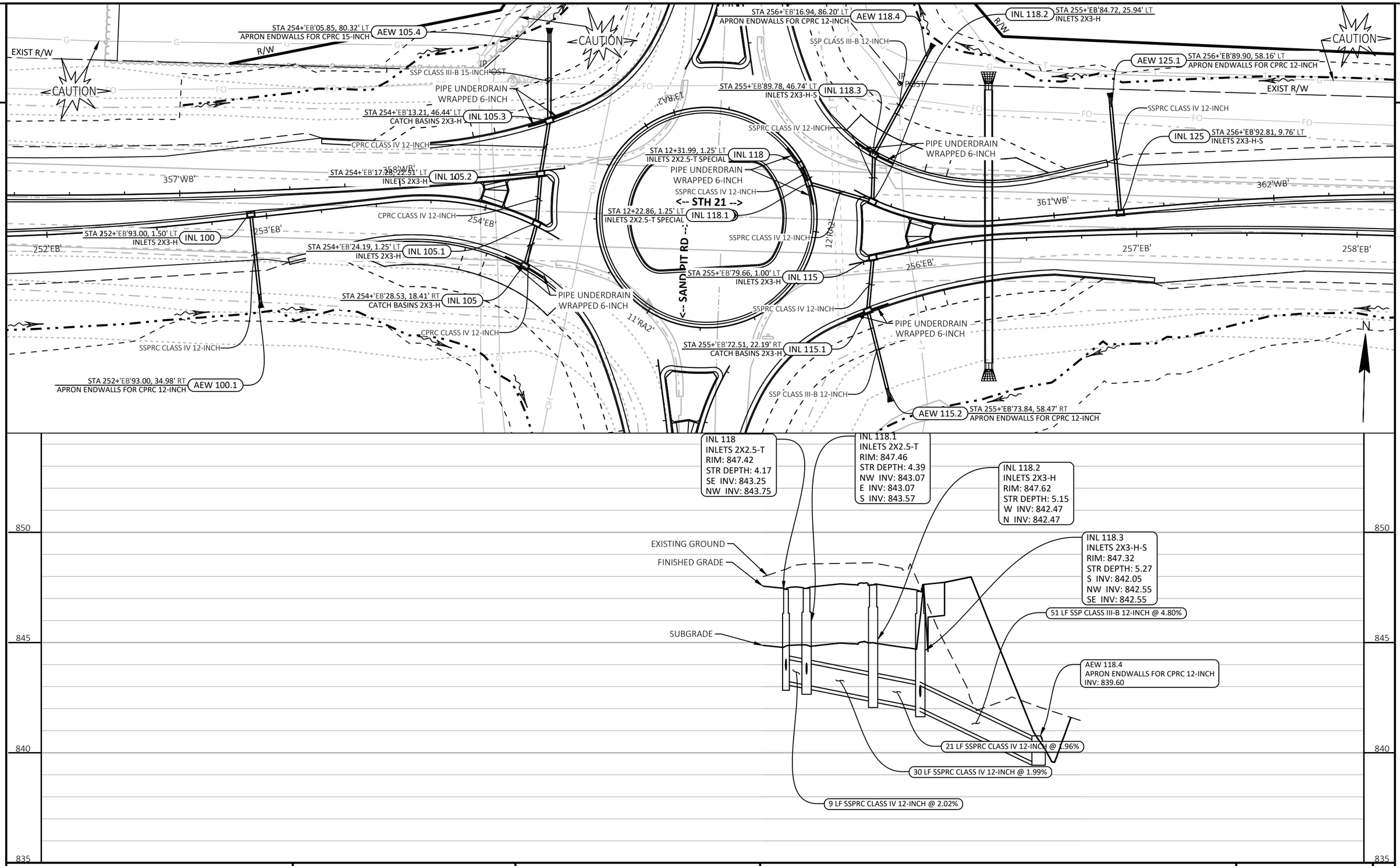
PROJECT NO: 6180-30-72	HWY: STH 21	COUNTY: WINNEBAGO	STORM SEWER - CTH FF-REIGHMOOR RD	SHEET 108 E

FILE NAME : N:\3001091.00\CIVIL 3D\SHEETSPLAN\61803071-022500-SS.DWG
LAYOUT NAME - 61803071-022522-ss
PLOT DATE : 9/18/2025 8:08 AM
PLOT BY : MATT TOMSOVIC
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 41





PROJECT NO: 6180-30-73	HWY: STH 21	COUNTY: WINNEBAGO	STORM SEWER - STH 21 & SAND PIT RD	SHEET 109	E

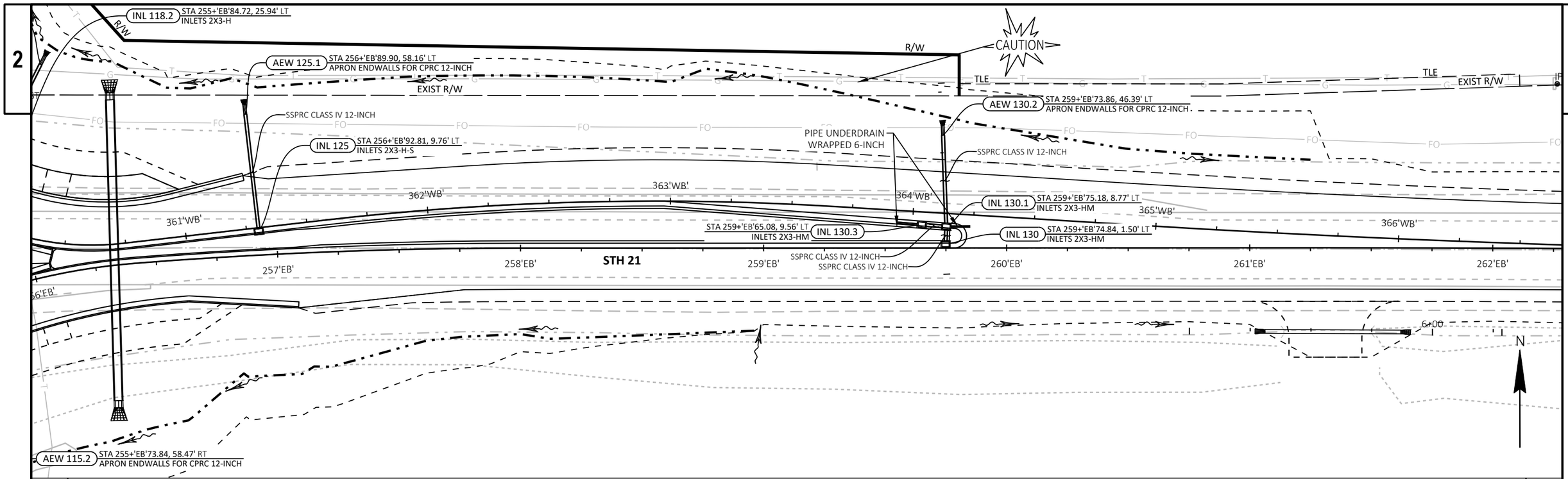


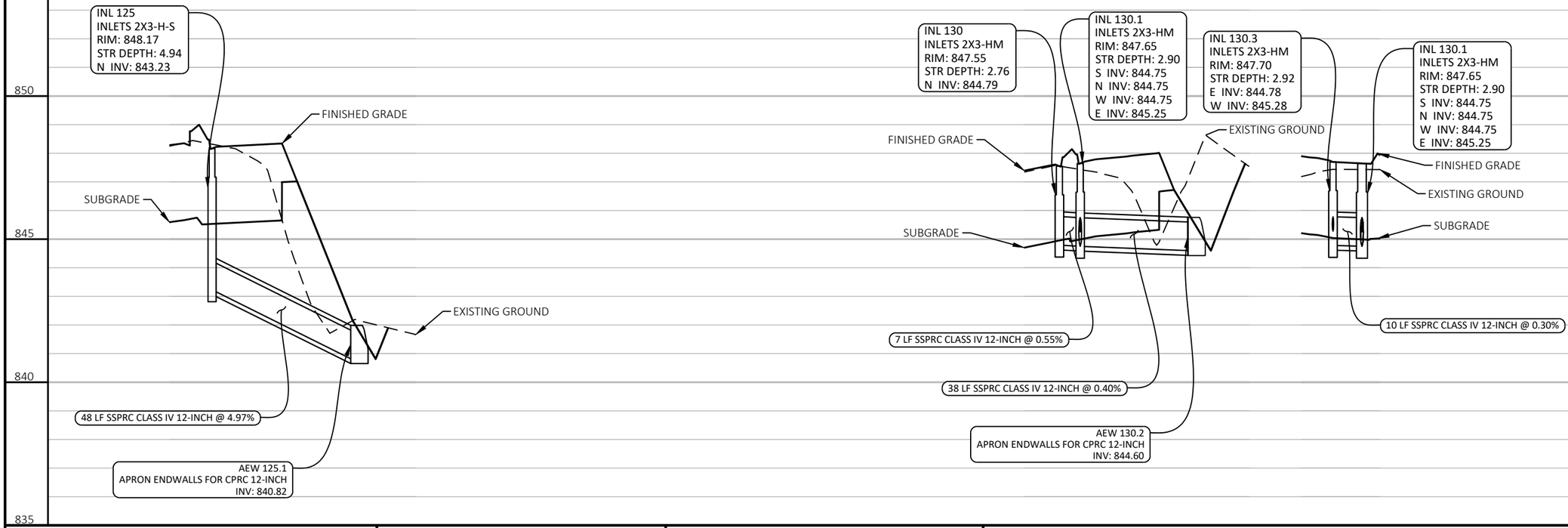
PROJECT NO: 6180-30-73	HWY: STH 21	COUNTY: WINNEBAGO	STORM SEWER - STH 21 & SAND PIT RD	SHEET 110 E

FILE NAME : N:\3001091.00\CIVIL 3D\SHEETSPLAN\61803071-022500-SS.DWG
LAYOUT NAME - 61803071-022532-ss

PLOT DATE : 7/16/2025 8:39 AM PLOT BY : MATT TOMSOVIC PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 41





PROJECT NO: 6180-30-73	HWY: STH 21	COUNTY: WINNEBAGO	STORM SEWER - STH 21 & SAND PIT RD	SHEET 111	E

2

CAUTION

EXIST R/W

TLE

R/W

599'NB'

600'NB'

SAND PIT RD

601'NB'

602'NB'

801'SB'

802'SB'

803'SB'

804'SB'

STA 603+'NB'72.67, 31.97' LT
APRON ENDWALLS FOR CPRC 36-INCH
AEW 110

SSPRC CLASS IV 36-INCH

STA 603+'NB'72.07, 8.41' LT
MH 5-H
INL 110.1

CPRC CLASS IV 36-INCH

STA 603+'NB'71.96, 1.50' LT
MH 5-H
INL 110.2

PIPE UNDERDRAIN WRAPPED 6-INCH

PIPE UNDERDRAIN WRAPPED 6-INCH

INL 110.3
STA 603+'NB'63.89, 17.50' RT
MH 5-H-S

CPRC CLASS IV 36-INCH

6+00

XXXXXXXXXXXXXXXXXX

STA 255+'EB'72.51, 22.19
CATCH BASINS 2X

SSP CLASS III-B 12

STA 603+'NB'64.17, 29.48' RT
APRON ENDWALLS FOR CPRC 36-INCH
AEW 110.4

CAUTION

N

INL 110.2
MH 5-H
RIM: 846.79
STR DEPTH: 4.57
W INV: 842.22
E INV: 842.22

INL 110.3
MH 5-H-S
RIM: 846.47
STR DEPTH: 4.37
W INV: 842.10
E INV: 842.10
S INV: 843.92
N INV: 843.92

FINISHED GRADE

INL 110.1
MH 5-H
RIM: 847.01
STR DEPTH: 4.75
E INV: 842.26
W INV: 842.26

AEW 110.4
APRON ENDWALLS FOR CPRC 36-INCH
INV: 841.99

EXISTING GROUND

SUBGRADE

AEW 110
APRON ENDWALLS FOR CPRC 36-INCH
INV: 842.39

12 LF CPRC CLASS IV 36-INCH @ 0.92%

21 LF CPRC CLASS IV 36-INCH @ 0.58%

24 LF CPRC CLASS IV 36-INCH @ 0.55%

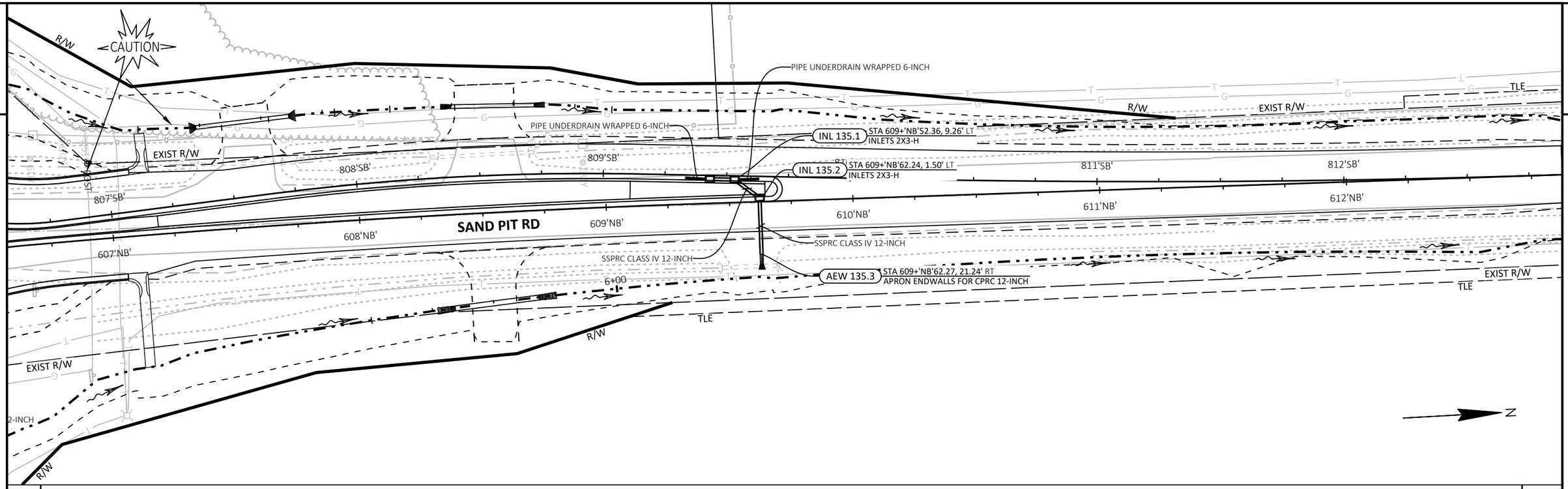
7 LF CPRC CLASS IV 36-INCH @ 0.58%

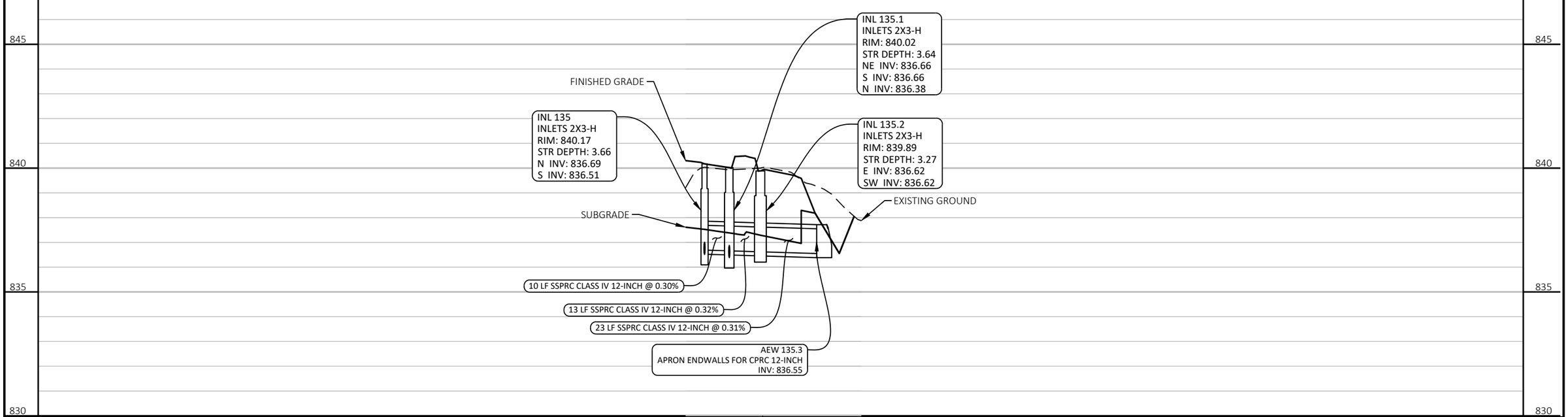
850
845
840
835

PROJECT NO: 6180-30-73	HWY: STH 21	COUNTY: WINNEBAGO	STORM SEWER - SAND PIT RD	SHEET 112	E

FILE NAME : N:\3001091.00\CIVIL 3D\SHEETSPLAN\61803071-022500-SS.DWG
LAYOUT NAME - 61803071-022541-ss

PLOT DATE : 7/16/2025 8:40 AM PLOT BY : MATT TOMSOVIC PLOT NAME : PLOT SCALE : 1 IN:40 FT





PROJECT NO: 6180-30-73	HWY: STH 21	COUNTY: WINNEBAGO	STORM SEWER - SAND PIT RD	SHEET 113 E

FILE NAME : N:\3001091.00\CIVIL 3D\SHEETSPLAN\61803071-022500-SS.DWG
LAYOUT NAME - 61803071-022542-ss
PLOT DATE : 7/16/2025 8:40 AM
PLOT BY : MATT TOMSOVIC
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 41

2

X SIGN - NEW INSTALL

RX SIGN - REMOVE

SIGN ON WOOD POST

SIGN ON TUBULAR STEEL POST

POST SIZES IN MQ ARE ESTIMATED. CONTRACTOR IS RESPONSIBLE FOR SELECTING CORRECT POSTS SIZE BASED ON FIELD CONDITIONS.

N

2

1 NO PASSING ZONE
W14-3
48"X36"
START OF NO PASSING ZONE

SPEED LIMIT 55
R2-1
R2

R4-7
36"X48"
4

W5-54
18"X18"
5

DO NOT ENTER
R5-1
30"X30"
7

SPEED LIMIT 55
R2-1
24"X30"
8

WEST 21
J4-1
R4

192'EB' 193'EB' 398'WB' 194'EB' 399'WB' 195'EB' 400'WB' 196'EB' 401'WB' 197'EB' 402'WB' 198'EB'

R1
REIGHMOOR RD
D1-1

4A
D1-62
132" X 66"

21 EAST
Reighmoor Rd
FF

6
Fisk
D1-1
48" X 15"

R3
FISK
D1-1

2
W2-6
30"X30"

3
15 MPH
W13-1
18"X18"

PROJECT NO: 6180-30-72	HWY: STH 21	COUNTY: WINNEBAGO	PERMANENT SIGNING - CTH FF INTERSECTION	SHEET 114	E

FILE NAME : C:\BOXDRV\BOX\DTSD\DTSD-NER\OPS\TRAFFIC\SIGNING\SIGNING - ERIC\PROJECTS\61803071 21 RABS\61813071_SIGNPLAN.DWG
LAYOUT NAME - 61803171_1

PLOT DATE : 7/31/2025 10:54 AM PLOT BY : SIKORSKI, ERIC T PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

2

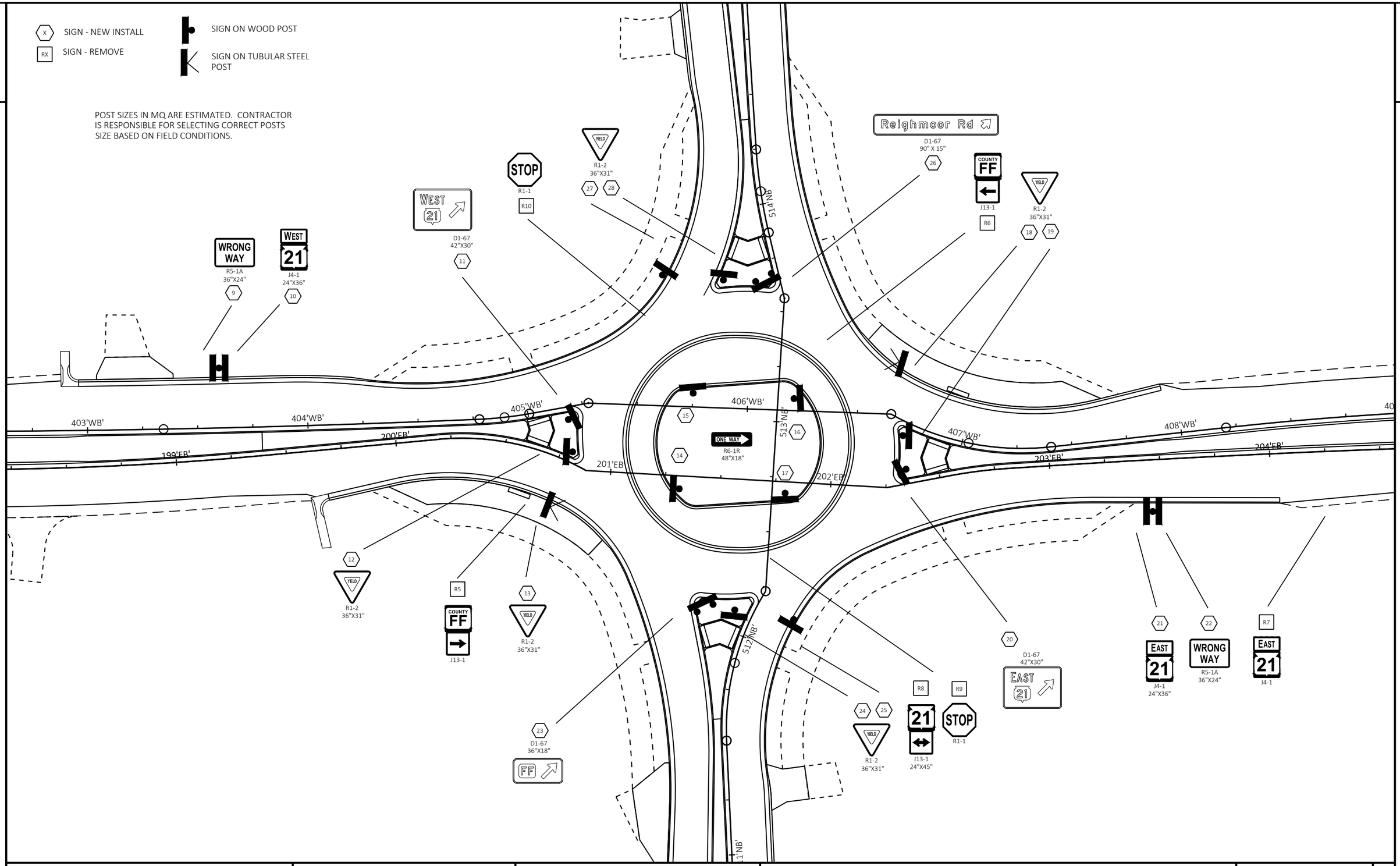
X SIGN - NEW INSTALL

RX SIGN - REMOVE

SIGN ON WOOD POST

SIGN ON TUBULAR STEEL POST

POST SIZES IN MQ ARE ESTIMATED. CONTRACTOR IS RESPONSIBLE FOR SELECTING CORRECT POSTS SIZE BASED ON FIELD CONDITIONS.



PROJECT NO: 6180-30-72	HWY: STH 21	COUNTY: WINNEBAGO	PERMANENT SIGNING - CTH FF INTERSECTION	SHEET 115	E

FILE NAME : C:\BOXDRV\BOX\DTSD\DTSD-NER\OPS\TRAFFIC\SIGNING\SIGNING - ERIC\PROJECTS\61803071 21 RABS\61813071_SIGNPLAN.DWG
LAYOUT NAME - 61803171_2

PLOT DATE : 7/31/2025 10:54 AM PLOT BY : SIKORSKI, ERIC T PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

X SIGN - NEW INSTALL

RX SIGN - REMOVE

SIGN ON WOOD POST

SIGN ON TUBULAR STEEL POST

POST SIZES IN MQ ARE ESTIMATED. CONTRACTOR IS RESPONSIBLE FOR SELECTING CORRECT POSTS SIZE BASED ON FIELD CONDITIONS.

N

2

Fisk
D1-1
48" X 15"
33

FISK
D1-1
R12

21 WEST
FF
Reighmoor Rd
D1-62
132" X 66"
34

REIGHMOOR RD
D1-1
R13

W2-6
30"X30"
35
15 MPH
W13-1
18"X18"
36

410'WB'
411'WB'
412'WB'
413'WB'
414'WB'
205'EB'
207'EB'
208'EB'
209'EB'
210'EB'

R11 29
SPEED LIMIT 55
R2-1
24"X30"

30
DO NOT ENTER
R5-1
30"X30"

31
R4-7
36"X48"

32
W5-S4
18"X18"

37
NO PASSING ZONE
W14-3
48"X36"
START OF NO PASSING ZONE

PROJECT NO: 6180-30-72	HWY: STH 21	COUNTY: WINNEBAGO	PERMANENT SIGNING - CTH FF INTERSECTION	SHEET 116	E

FILE NAME : C:\BOXDRV\BOX\DTSD\DTSD-NER\OPS\TRAFFIC\SIGNING\SIGNING - ERIC\PROJECTS\61803071 21 RABS\61813071_SIGNPLAN.DWG
LAYOUT NAME - 61803171_3

PLOT DATE : 7/31/2025 10:54 AM PLOT BY : SIKORSKI, ERIC T PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

X SIGN - NEW INSTALL

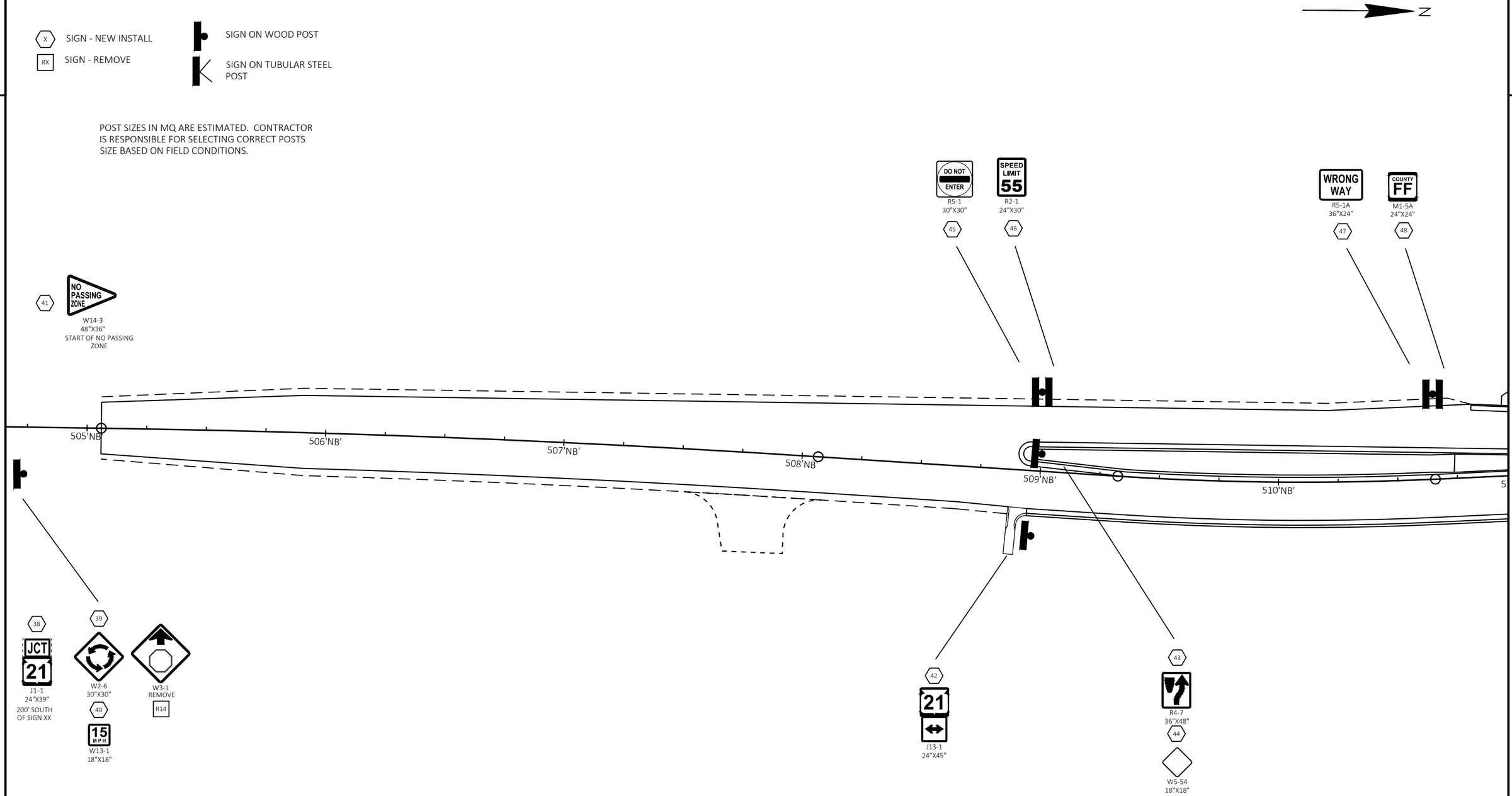
RX SIGN - REMOVE

SIGN ON WOOD POST

SIGN ON TUBULAR STEEL POST

N

POST SIZES IN MQ ARE ESTIMATED. CONTRACTOR IS RESPONSIBLE FOR SELECTING CORRECT POSTS SIZE BASED ON FIELD CONDITIONS.



PROJECT NO: 6180-30-72	HWY: STH 21	COUNTY: WINNEBAGO	PERMANENT SIGNING - CTH FF INTERSECTION	SHEET 117	E

FILE NAME : C:\BOXDRV\BOX\DTSD\DTSD-NER\OPS\TRAFFIC\SIGNING\SIGNING - ERIC\PROJECTS\61803071 21 RABS\61813071_SIGNPLAN.DWG
LAYOUT NAME - 61803171_4

PLOT DATE : 7/31/2025 10:54 AM PLOT BY : SIKORSKI, ERIC T PLOT NAME : PLOT SCALE : 1 IN:40 FT

X SIGN - NEW INSTALL

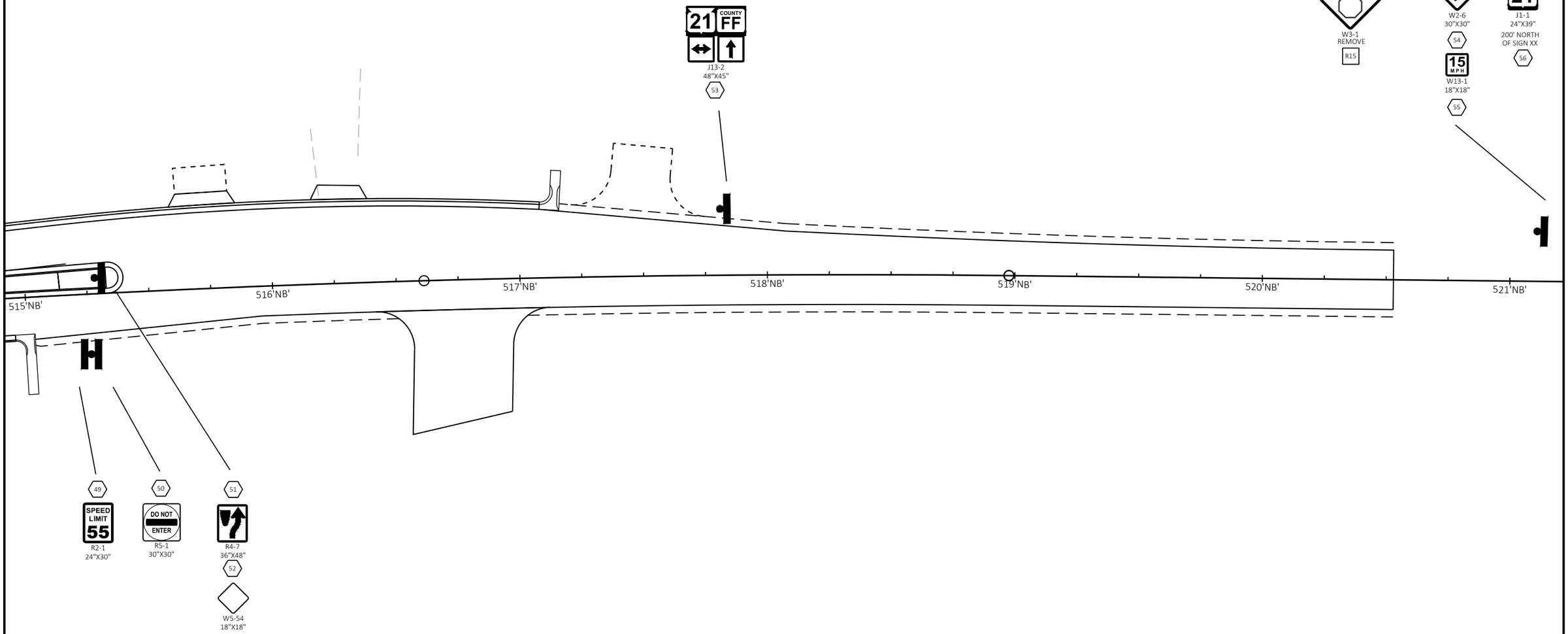
RX SIGN - REMOVE

SIGN ON WOOD POST

SIGN ON TUBULAR STEEL POST

N

POST SIZES IN MQ ARE ESTIMATED. CONTRACTOR IS RESPONSIBLE FOR SELECTING CORRECT POSTS SIZE BASED ON FIELD CONDITIONS.



2

PROJECT NO: 6180-30-72	HWY: STH 21	COUNTY: WINNEBAGO	PERMANENT SIGNING - CTH FF INTERSECTION	SHEET 118	E

FILE NAME : C:\BOXDRV\BOX\DTSD\DTSD-NER\OPS\TRAFFIC\SIGNING\SIGNING - ERIC\PROJECTS\61803071 21 RABS\61813071_SIGNPLAN.DWG
LAYOUT NAME - 61803171_5
PLOT DATE : 7/31/2025 10:54 AM PLOT BY : SIKORSKI, ERIC T PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

X SIGN - NEW INSTALL

RX SIGN - REMOVE

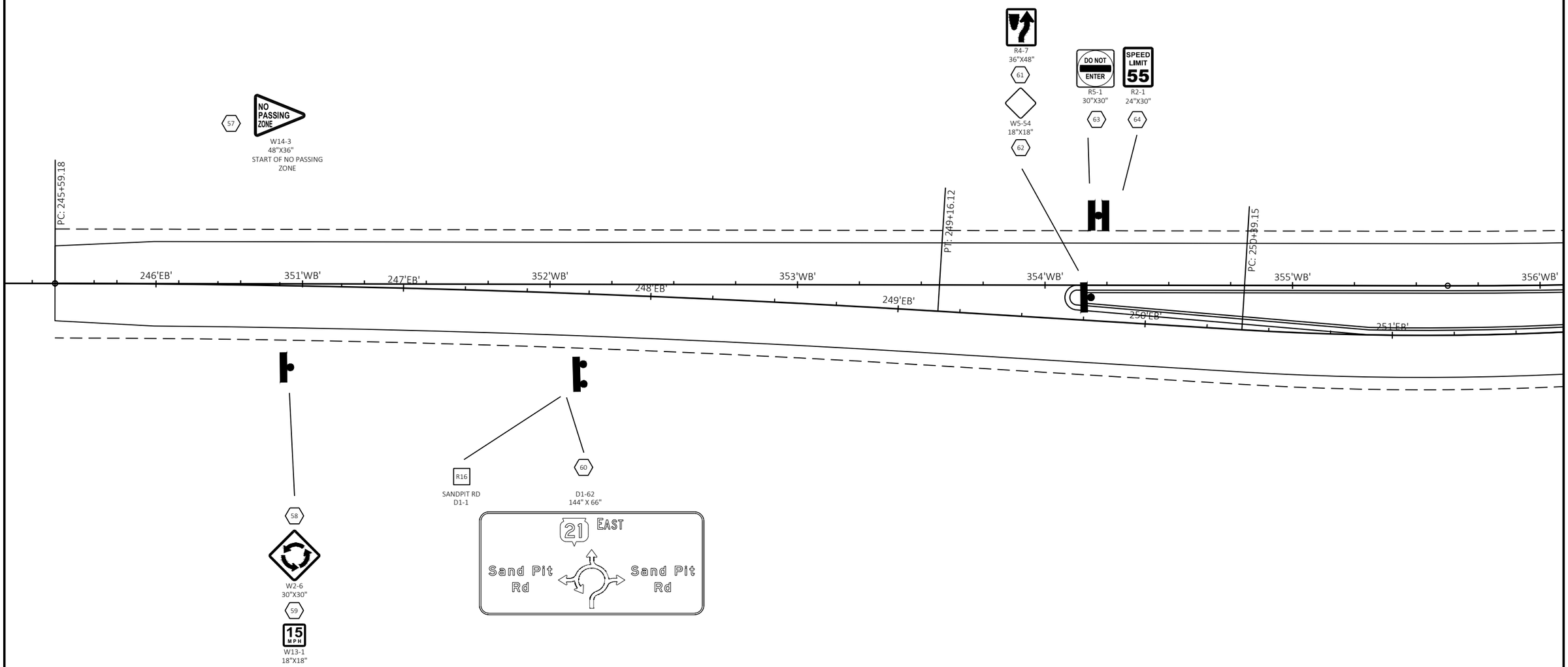
SIGN ON WOOD POST

SIGN ON TUBULAR STEEL POST

POST SIZES IN MQ ARE ESTIMATED. CONTRACTOR IS RESPONSIBLE FOR SELECTING CORRECT POSTS SIZE BASED ON FIELD CONDITIONS.

N

2



PROJECT NO: 6180-30-73	HWY: STH 21	COUNTY: WINNEBAGO	PERMANENT SIGNING - SAND PIT RD INTERSECTION	SHEET 119	E

FILE NAME : C:\BOXDRV\BOX\DTSD\DTSD-NER\OPS\TRAFFIC\SIGNING\SIGNING - ERIC\PROJECTS\61803071 21 RABS\61813071_SIGNPLAN.DWG
LAYOUT NAME - 61803171_6

PLOT DATE : 7/31/2025 10:54 AM PLOT BY : SIKORSKI, ERIC T PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

X SIGN - NEW INSTALL

RX SIGN - REMOVE

SIGN ON WOOD POST

SIGN ON TUBULAR STEEL POST

POST SIZES IN MQ ARE ESTIMATED. CONTRACTOR IS RESPONSIBLE FOR SELECTING CORRECT POSTS SIZE BASED ON FIELD CONDITIONS.

N

2

WRONG WAY
R5-1A
36"X24"
65

WEST 21
J4-1
24"X36"
66

WEST 21
D1-67
42"X30"
67

STOP
R1-1
R17

YIELD
R1-2
36"X31"
86 87

Sand Pit Rd
D1-67
84"X15"
88

YIELD
R1-2
36"X31"
74 75

PT: 252+75.61

PC: 253+59.43

PT: 254+81.88

PC: 255+68.42

PC: 255+00.69

PC: 256+41.21

PT: 257+99.29

357'WB'

358'WB'

252'EB'

252'EB'

253'EB'

362'WB'

361'WB'

257'EB'

258'EB'

13'RA'

12'RA'

11'RA'

71 72 70 73

ONE WAY
R6-1R
48"X18"

807'SB'

607'NB'

68 69

YIELD
R1-2
36"X31"

85

Sand Pit Rd
D1-67
84"X15"

DO NOT ENTER
R5-1
30"X30"
79

SPEED LIMIT 45
R2-1
24"X30"
80

804'SB'

604'NB'

83 84

YIELD
R1-2
36"X31"

R18

STOP
R1-1

81

R4-7
36"X48"

82

W5-54
18"X18"

76

D1-67
42"X30"

EAST 21

77

EAST 21
J4-1
24"X36"

78

WRONG WAY
R5-1A
36"X24"

PROJECT NO: 6180-30-73	HWY: STH 21	COUNTY: WINNEBAGO	PERMANENT SIGNING - SAND PIT RD INTERSECTION	SHEET 120	E

FILE NAME : C:\BOXDRV\BOX\DTSD\DTSD-NER\OPS\TRAFFIC\SIGNING\SIGNING - ERIC\PROJECTS\61803071 21 RABS\61813071_SIGNPLAN.DWG
LAYOUT NAME - 61803171_7

PLOT DATE : 7/31/2025 10:54 AM PLOT BY : SIKORSKI, ERIC T PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

POST SIZES IN MQ ARE ESTIMATED. CONTRACTOR IS RESPONSIBLE FOR SELECTING CORRECT POSTS SIZE BASED ON FIELD CONDITIONS.

X SIGN - NEW INSTALL

RX SIGN - REMOVE

SIGN ON WOOD POST

SIGN ON TUBULAR STEEL POST

N

2

21 WEST
Sand Pit Rd
Sand Pit Rd
D1-62
144" X 66"
93

W2-6
30"X30"
94
15 MPH
W13-1
18"X18"
95

SANDPIT RD
D1-1
R19

PC: 261+32.73

PT: 263+36.56

363'WB' 364'WB' 365'WB' 366'WB' 367'WB'

259'EB' 260'EB' 261'EB' 262'EB' 263'EB' 264'EB'

89 SPEED LIMIT 55
R2-1
24"X30"

90 DO NOT ENTER
R5-1
30"X30"

91
R4-7
36"X48"

92
W5-54
18"X18"

96 NO PASSING ZONE
W14-3
48"X36"
START OF NO PASSING ZONE

PROJECT NO: 6180-30-73	HWY: STH 21	COUNTY: WINNEBAGO	PERMANENT SIGNING - SAND PIT RD INTERSECTION	SHEET 121	E

FILE NAME : C:\BOXDRV\BOX\DTSD\DTSD-NER\OPS\TRAFFIC\SIGNING\SIGNING - ERIC\PROJECTS\61803071 21 RABS\61813071_SIGNPLAN.DWG
LAYOUT NAME - 61803171_8

PLOT DATE : 7/31/2025 10:54 AM PLOT BY : SIKORSKI, ERIC T PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

X SIGN - NEW INSTALL

RX SIGN - REMOVE

SIGN ON WOOD POST

SIGN ON TUBULAR STEEL POST

N

2

POST SIZES IN MQ ARE ESTIMATED. CONTRACTOR IS RESPONSIBLE FOR SELECTING CORRECT POSTS SIZE BASED ON FIELD CONDITIONS.

97

NO PASSING ZONE

W14-3
48"X36"
START OF NO PASSING ZONE

598'NB'

599'NB'

600'NB'

801'SB'

601'NB'

802'SB'

602'NB'

803'SB'

603'NB'

98

JCT 21

J1-1
24"X39"

W3-1
REMOVE
R20

99

W2-6
30"X30"

100

15 MPH

W13-1
18"X18"

101

21

J13-1
24"X45"

PROJECT NO: 6180-30-73	HWY: STH 21	COUNTY: WINNEBAGO	PERMANENT SIGNING - SAND PIT RD INTERSECTION	SHEET 122	E

FILE NAME : C:\BOXDRV\BOX\DTSD\DTSD-NER\OPS\TRAFFIC\SIGNING\SIGNING - ERIC\PROJECTS\61803071 21 RABS\61813071_SIGNPLAN.DWG
LAYOUT NAME - 61803171_9

PLOT DATE : 7/31/2025 10:54 AM PLOT BY : SIKORSKI, ERIC T PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

SIGN - NEW INSTALL

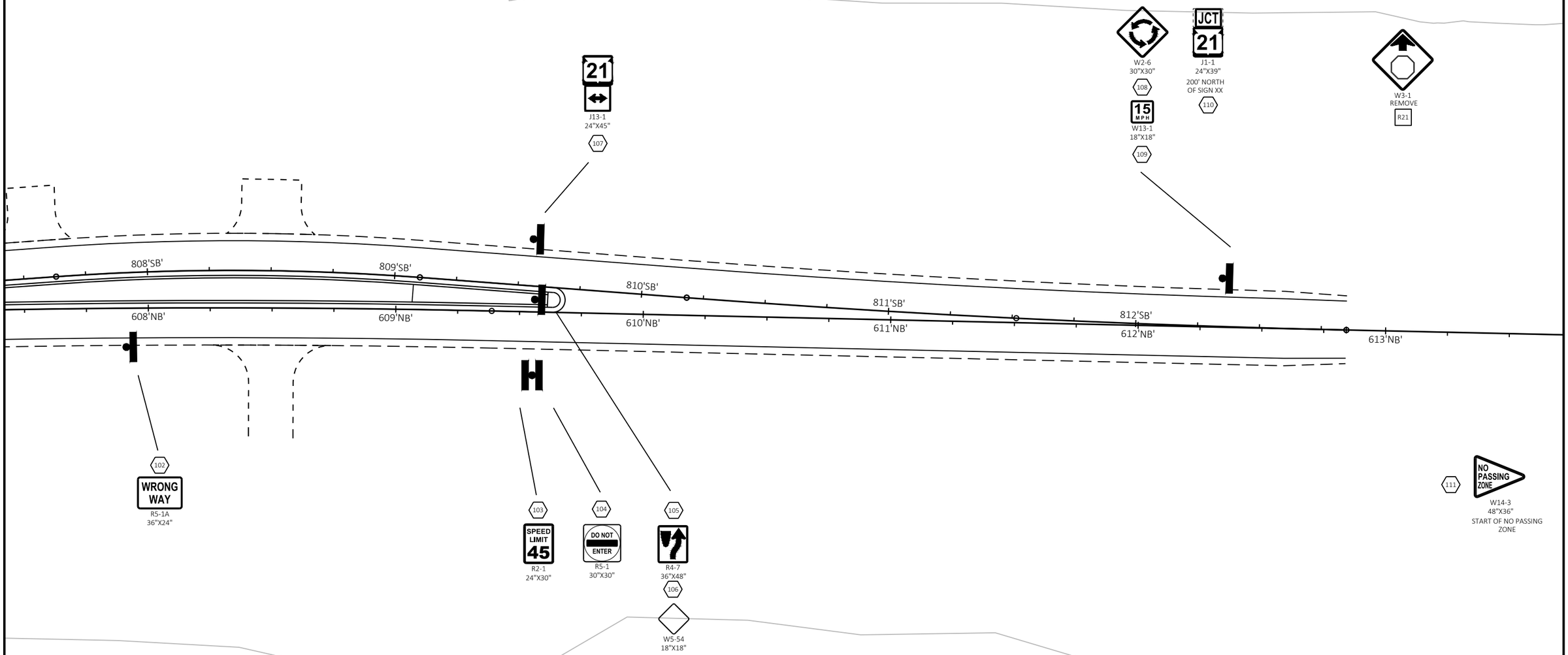
SIGN - REMOVE

SIGN ON WOOD POST

SIGN ON TUBULAR STEEL POST

N

POST SIZES IN MQ ARE ESTIMATED. CONTRACTOR IS RESPONSIBLE FOR SELECTING CORRECT POSTS SIZE BASED ON FIELD CONDITIONS.



PROJECT NO: 6180-30-73	HWY: STH 21	COUNTY: WINNEBAGO	PERMANENT SIGNING - SAND PIT RD INTERSECTION	SHEET 123	E

FILE NAME : C:\BOXDRV\BOX\DTSD\DTSD-NER\OPS\TRAFFIC\SIGNING\SIGNING - ERIC\PROJECTS\61803071 21 RABS\61813071_SIGNPLAN.DWG
LAYOUT NAME - 61803171_10

PLOT DATE : 7/31/2025 10:54 AM PLOT BY : SIKORSKI, ERIC T PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

N

NOTES:

WISCONSIN DOT NORTHEAST REGION ELECTRICAL UNIT SHALL APPROVE FINAL LOCATIONS FOR ALL CONCRETE BASES IN THE FIELD PRIOR TO CONSTRUCTION. CONTACT THEM 3 DAYS IN ADVANCE AT (920) 360-4749.

THE LOCATION OF EXISTING AND PROPOSED UTILITIES AS SHOWN ON THE PLANS ARE APPROXIMATE. IN ADDITION, THERE MAY BE OTHER UTILITIES WITHIN THE PROJECT AREA WHICH ARE NOT SHOWN. THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL UTILITIES PRIOR TO CONSTRUCTION.

III-LED A-12-5-B-2
LB3
PB3
PB4
III-LED A-12-5-C-1
LB4
III-LED A-12-5-B-1
LB2
PB2
III-LED A-12-5-C-2
LB5
III-LED A-12-5-C-3
LB13
PB5
III-LED A-12-5-A-3
LB9
III-LED A-12-5-A-2
LB1
PB1
GB1
LB8
III-LED A-12-5-A-1
PB8
PB6
LB6
III-LED A-12-5-D-1
PB7
LB7
III-LED A-12-5-D-2
A
B
C
D
403'WB'
404'WB'
405'WB'
406'WB'
407'WB'
408'WB'
200'EB'
201'EB'
202'EB'
203'EB'
204'EB'
613'SB'
513'NB'
612'SB'
512'NB'
611'SB'
511'NB'
792.95
795.42
798.42
798.94
7+00
8+00
3+00
4+00
5+00
6+00
2%

CONDUCTOR COLOR SCHEME

Circuit "A" = Black
Circuit "B" = Red
Circuit "C" = Blue
Circuit "D" = Brown
Circuit "E" = Orange
Circuit "F" = Yellow

LEGEND

- LIGHTING CONTROL CABINET (Type 10) WITH METER BREAKER PEDESTAL
- 2" CONDUIT, NON-METALLIC (unless otherwise noted)
- LIGHTING UNIT
- PULL BOX 24" X 42"
- UTILITY POLE
- ELECTRIC, UNDERGROUND — E —
- ELECTRIC, OVERHEAD — OH —

EXAMPLE (see individual label on each lighting unit)

III-LED A-12-5-A-4

- LIGHT UNIT NUMBER IN CIRCUIT
- CIRCUIT ID
- BASE TYPE
- MAST ARM LENGTH (in feet)
- LAMP WATTAGE
- DISTRIBUTION TYPE

240 VOLT SYSTEM
120/240 VOLT ELECTRIC SERVICE

STH 21 & CTH FF
TOWN OF ALGOMA
WINNEBAGO COUNTY

LIGHTING NO. 70-2055
DESIGNER: WISDOT NE REGION TRAFFIC UNIT
DATE: 2/4/2022 SHEET NO. 1 OF 4

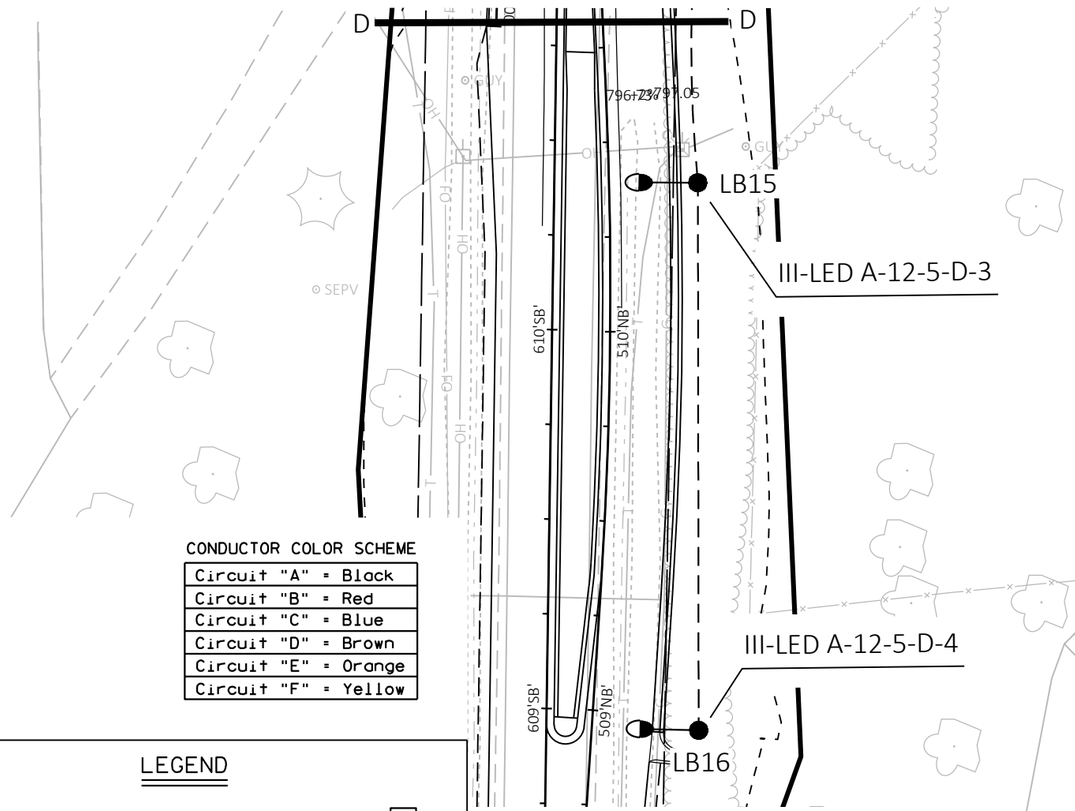
PROJECT NO: 6180-30-72	HWY: STH 21	COUNTY: WINNEBAGO	CONSTRUCTION DETAIL - ROUNDABOUT LIGHTING (CTH FF)	SHEET 124	E

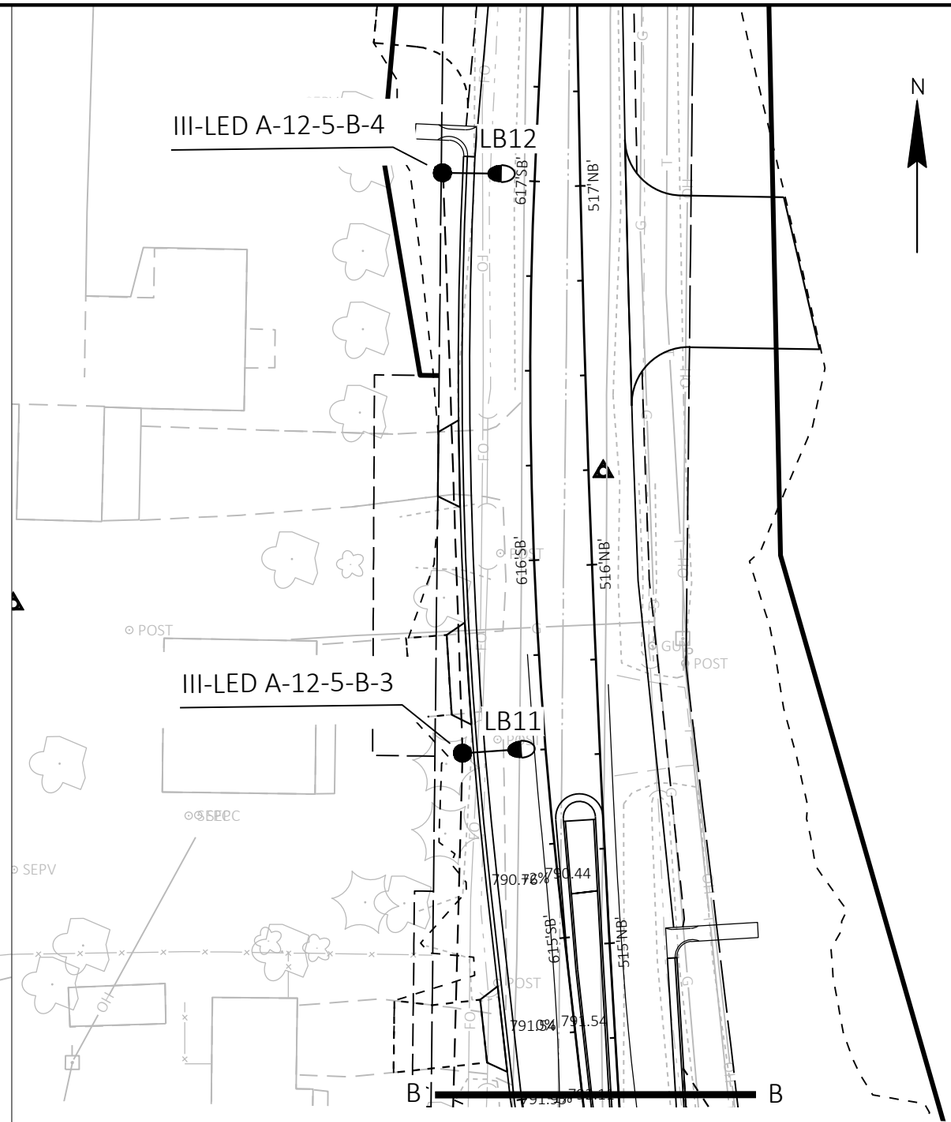
FILE NAME : N:\PDS\C3D\61803000\SHEETSPLAN\023601-LP.DWG
LAYOUT NAME - CTH FF
PLOT DATE : 7/15/2025 1:04 PM
PLOT BY : BALDERAS-RUEDEN, ANN
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

NOTES:

WISCONSIN DOT NORTHEAST REGION ELECTRICAL UNIT SHALL APPROVE FINAL LOCATIONS FOR ALL CONCRETE BASES IN THE FIELD PRIOR TO CONSTRUCTION. CONTACT THEM 3 DAYS IN ADVANCE AT (920) 360-4749.

THE LOCATION OF EXISTING AND PROPOSED UTILITIES AS SHOWN ON THE PLANS ARE APPROXIMATE. IN ADDITION, THERE MAY BE OTHER UTILITIES WITHIN THE PROJECT AREA WHICH ARE NOT SHOWN. THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL UTILITIES PRIOR TO CONSTRUCTION.





CONDUCTOR COLOR SCHEME

Circuit "A" = Black
Circuit "B" = Red
Circuit "C" = Blue
Circuit "D" = Brown
Circuit "E" = Orange
Circuit "F" = Yellow

LEGEND

- LIGHTING CONTROL CABINET (Type 10) WITH METER BREAKER PEDESTAL
- 2" CONDUIT, NON-METALLIC (unless otherwise noted)
- LIGHTING UNIT
- PULL BOX 24" X 42"
- UTILITY POLE
- ELECTRIC, UNDERGROUND — E —
- ELECTRIC, OVERHEAD — OH —

EXAMPLE (see individual label on each lighting unit)

III-LED A-12-5-A-4

- LIGHT UNIT NUMBER IN CIRCUIT
- CIRCUIT ID
- BASE TYPE
- MAST ARM LENGTH (in feet)
- LAMP WATTAGE
- DISTRIBUTION TYPE

240 VOLT SYSTEM

120/240 VOLT ELECTRIC SERVICE

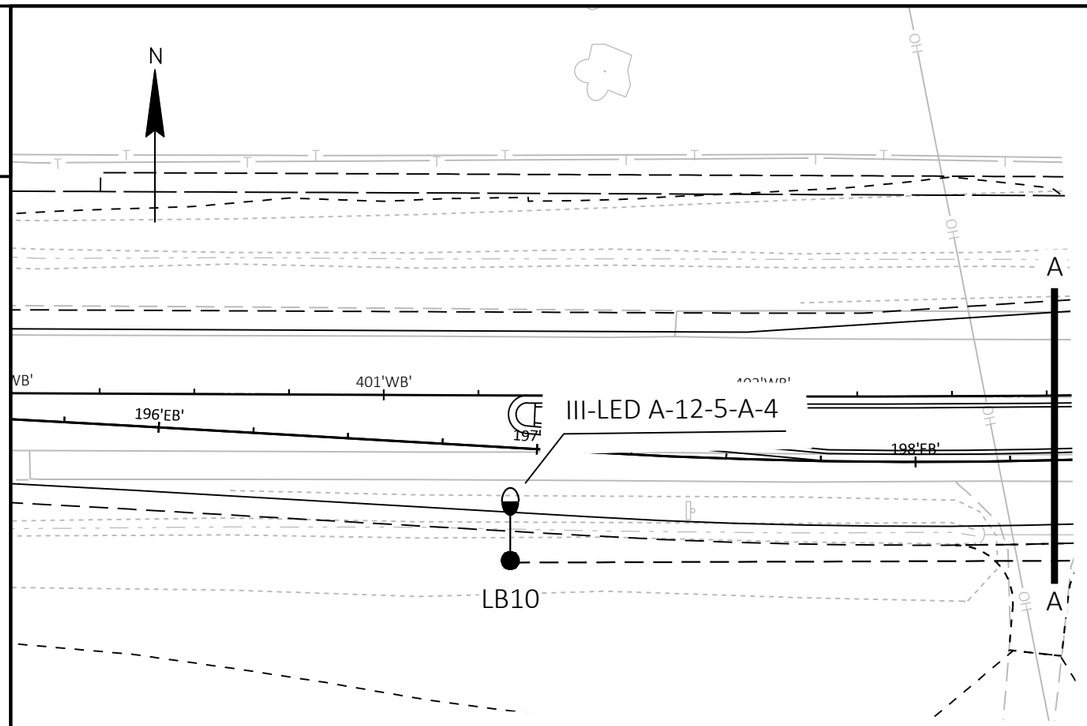
STH 21 & CTH FF
TOWN OF ALGOMA
WINNEBAGO COUNTY

LIGHTING NO. 70-2055

DESIGNER: WISDOT NE REGION TRAFFIC UNIT

DATE: 2/4/2022 SHEET NO. 1 OF 4

PROJECT NO: 6180-30-72	HWY: STH 21	COUNTY: WINNEBAGO	CONSTRUCTION DETAIL - ROUNDABOUT LIGHTING (CTH FF)	SHEET 125 E



NOTES:

WISCONSIN DOT NORTHEAST REGION ELECTRICAL UNIT SHALL APPROVE FINAL LOCATIONS FOR ALL CONCRETE BASES IN THE FIELD PRIOR TO CONSTRUCTION. CONTACT THEM 3 DAYS IN ADVANCE AT (920) 360-4749.

THE LOCATION OF EXISTING AND PROPOSED UTILITIES AS SHOWN ON THE PLANS ARE APPROXIMATE. IN ADDITION, THERE MAY BE OTHER UTILITIES WITHIN THE PROJECT AREA WHICH ARE NOT SHOWN. THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL UTILITIES PRIOR TO CONSTRUCTION.

2

CONDUCTOR COLOR SCHEME

Circuit "A" = Black
Circuit "B" = Red
Circuit "C" = Blue
Circuit "D" = Brown
Circuit "E" = Orange
Circuit "F" = Yellow

LEGEND

- LIGHTING CONTROL CABINET (Type 10) WITH METER BREAKER PEDESTAL
- 2" CONDUIT, NON-METALLIC (unless otherwise noted)
- LIGHTING UNIT
- PULL BOX 24" X 42"
- UTILITY POLE
- ELECTRIC, UNDERGROUND — E —
- ELECTRIC, OVERHEAD — OH —

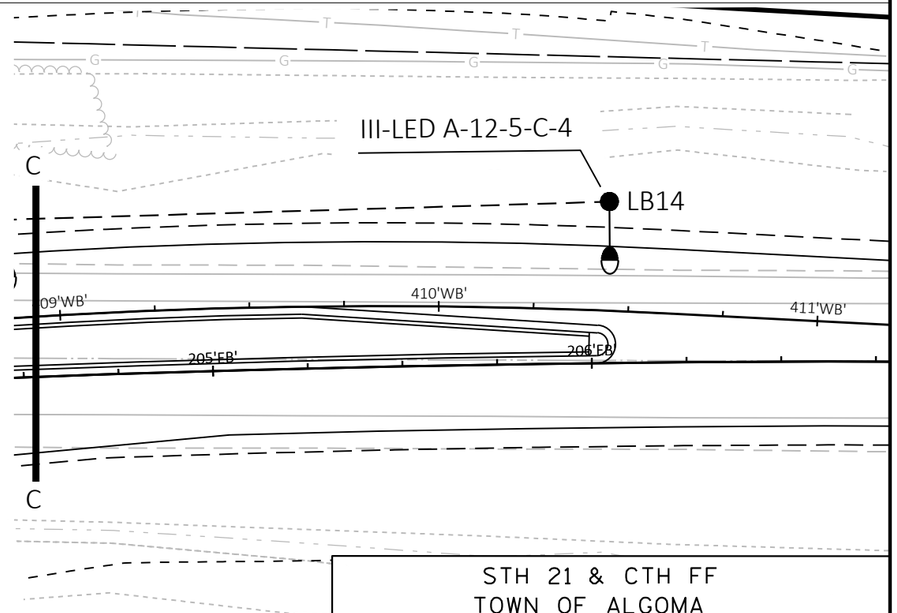
EXAMPLE (see individual label on each lighting unit)

III-LED A-12-5-A-4

- III — DISTRIBUTION TYPE
- LED — LAMP WATTAGE
- A — BASE TYPE
- 12 — MAST ARM LENGTH (in feet)
- 5 — CIRCUIT ID
- A — LIGHT UNIT NUMBER IN CIRCUIT
- 4

240 VOLT SYSTEM

120/240 VOLT ELECTRIC SERVICE



STH 21 & CTH FF
TOWN OF ALGOMA
WINNEBAGO COUNTY

LIGHTING NO. 70-2055

DESIGNER: WISDOT NE REGION TRAFFIC UNIT

DATE: 2/4/2022 SHEET NO. 1 OF 4

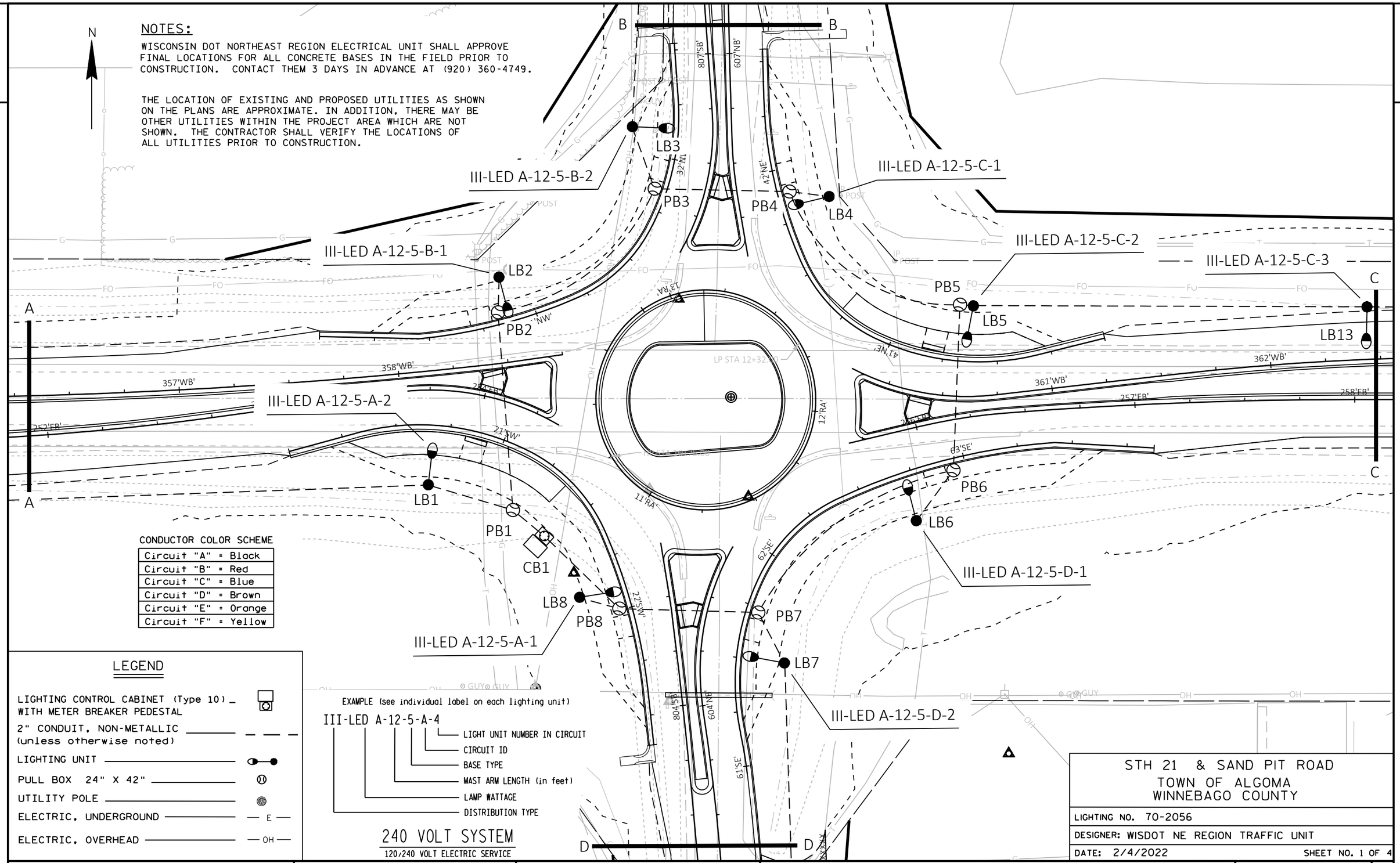
2

N

NOTES:

WISCONSIN DOT NORTHEAST REGION ELECTRICAL UNIT SHALL APPROVE FINAL LOCATIONS FOR ALL CONCRETE BASES IN THE FIELD PRIOR TO CONSTRUCTION. CONTACT THEM 3 DAYS IN ADVANCE AT (920) 360-4749.

THE LOCATION OF EXISTING AND PROPOSED UTILITIES AS SHOWN ON THE PLANS ARE APPROXIMATE. IN ADDITION, THERE MAY BE OTHER UTILITIES WITHIN THE PROJECT AREA WHICH ARE NOT SHOWN. THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL UTILITIES PRIOR TO CONSTRUCTION.



CONDUCTOR COLOR SCHEME

Circuit "A" = Black
Circuit "B" = Red
Circuit "C" = Blue
Circuit "D" = Brown
Circuit "E" = Orange
Circuit "F" = Yellow

LEGEND

- LIGHTING CONTROL CABINET (Type 10) WITH METER BREAKER PEDESTAL
- 2" CONDUIT, NON-METALLIC (unless otherwise noted)
- LIGHTING UNIT
- PULL BOX 24" X 42"
- UTILITY POLE
- ELECTRIC, UNDERGROUND — E —
- ELECTRIC, OVERHEAD — OH —

EXAMPLE (see individual label on each lighting unit)

III-LED A-12-5-A-4

- LIGHT UNIT NUMBER IN CIRCUIT
- CIRCUIT ID
- BASE TYPE
- MAST ARM LENGTH (in feet)
- LAMP WATTAGE
- DISTRIBUTION TYPE

240 VOLT SYSTEM

120/240 VOLT ELECTRIC SERVICE

STH 21 & SAND PIT ROAD
TOWN OF ALGOMA
WINNEBAGO COUNTY

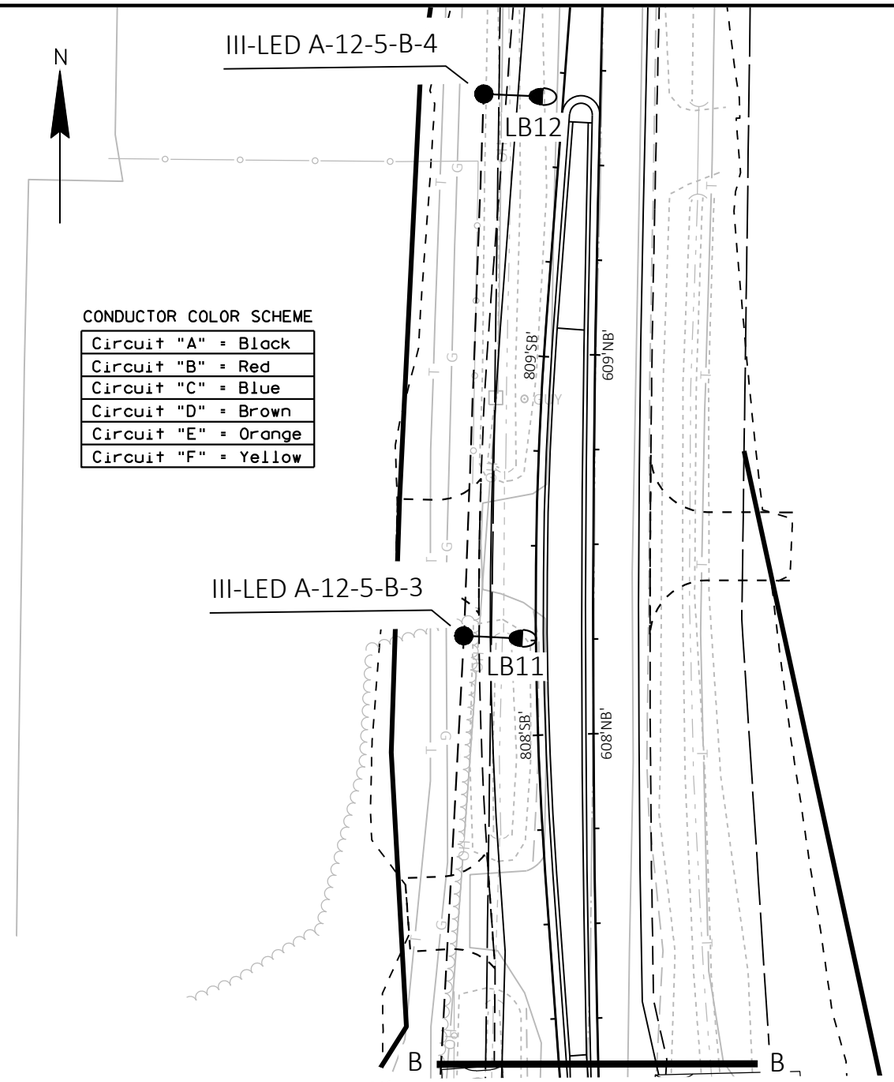
LIGHTING NO. 70-2056

DESIGNER: WISDOT NE REGION TRAFFIC UNIT

DATE: 2/4/2022 SHEET NO. 1 OF 4

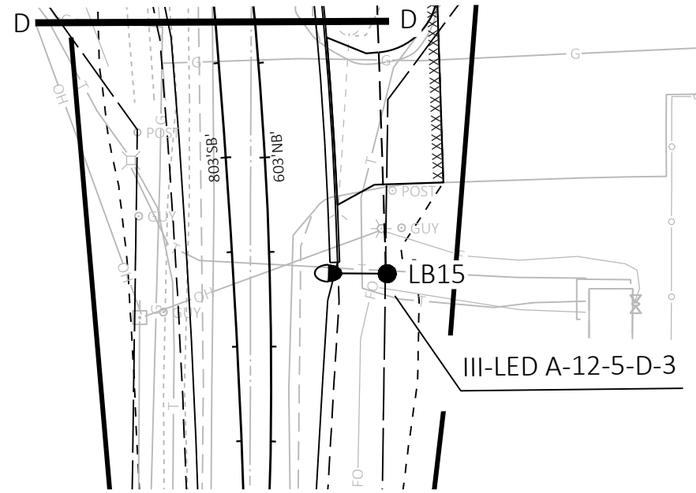
PROJECT NO: 6180-30-73	HWY: STH 21	COUNTY: WINNEBAGO	CONSTRUCTION DETAIL - ROUNDABOUT LIGHTING (SAND PIT RD)	SHEET 127	E

2



CONDUCTOR COLOR SCHEME

Circuit "A" = Black
Circuit "B" = Red
Circuit "C" = Blue
Circuit "D" = Brown
Circuit "E" = Orange
Circuit "F" = Yellow



LEGEND

- LIGHTING CONTROL CABINET (Type 10) WITH METER BREAKER PEDESTAL
- 2" CONDUIT, NON-METALLIC (unless otherwise noted)
- LIGHTING UNIT
- PULL BOX 24" X 42"
- UTILITY POLE
- ELECTRIC, UNDERGROUND — E —
- ELECTRIC, OVERHEAD — OH —

EXAMPLE (see individual label on each lighting unit)

III-LED A-12-5-A-4

- III — DISTRIBUTION TYPE
- LED — LAMP WATTAGE
- A-12 — MAST ARM LENGTH (in feet)
- 5 — BASE TYPE
- A — CIRCUIT ID
- 4 — LIGHT UNIT NUMBER IN CIRCUIT

240 VOLT SYSTEM

120/240 VOLT ELECTRIC SERVICE

NOTES:

WISCONSIN DOT NORTHEAST REGION ELECTRICAL UNIT SHALL APPROVE FINAL LOCATIONS FOR ALL CONCRETE BASES IN THE FIELD PRIOR TO CONSTRUCTION. CONTACT THEM 3 DAYS IN ADVANCE AT (920) 360-4749.

THE LOCATION OF EXISTING AND PROPOSED UTILITIES AS SHOWN ON THE PLANS ARE APPROXIMATE. IN ADDITION, THERE MAY BE OTHER UTILITIES WITHIN THE PROJECT AREA WHICH ARE NOT SHOWN. THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL UTILITIES PRIOR TO CONSTRUCTION.

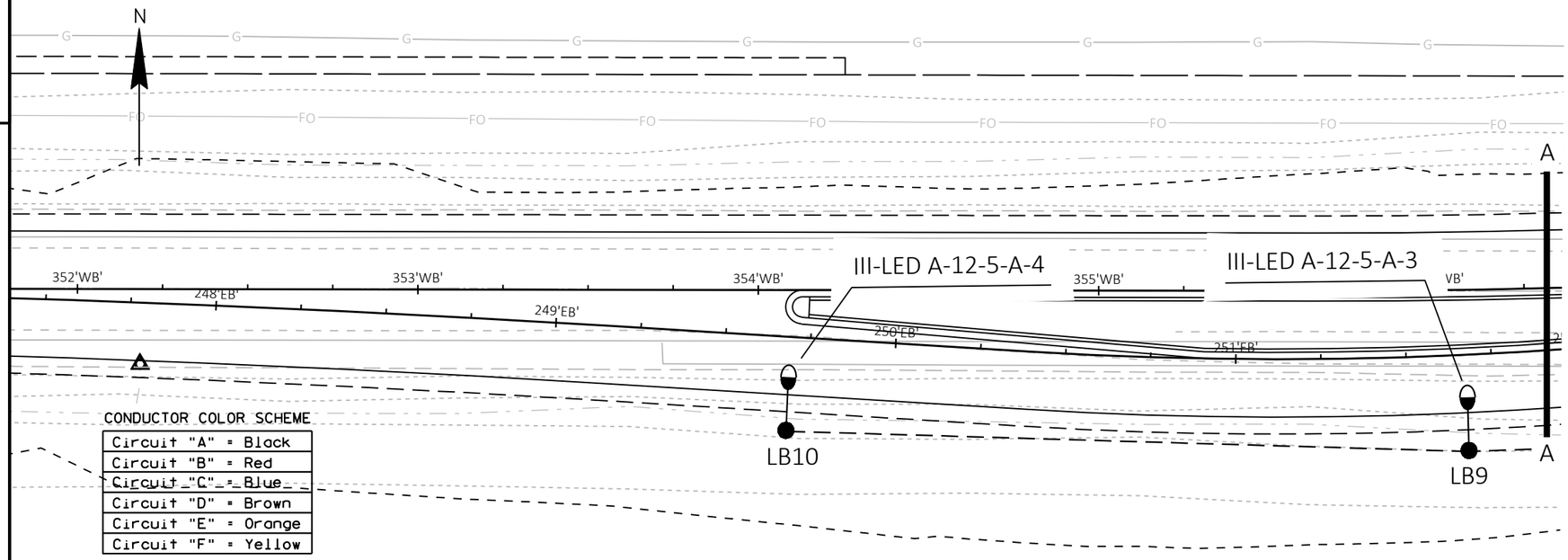
STH 21 & SAND PIT ROAD
TOWN OF ALGOMA
WINNEBAGO COUNTY

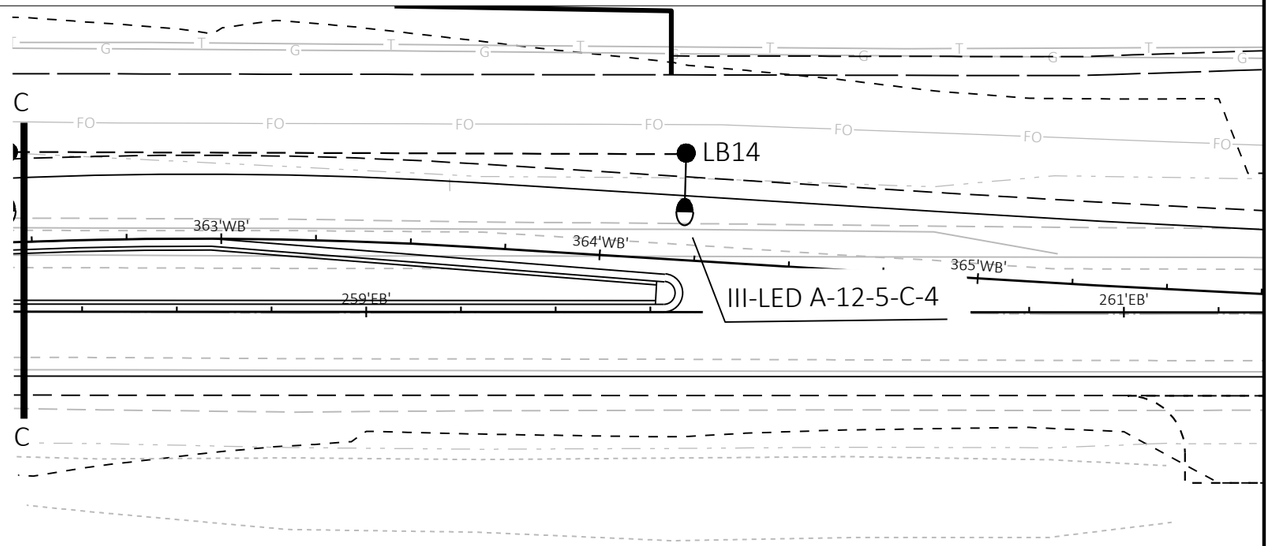
LIGHTING NO. 70-2056

DESIGNER: WISDOT NE REGION TRAFFIC UNIT

DATE: 2/4/2022 SHEET NO. 1 OF 4

PROJECT NO: 6180-30-73	HWY: STH 21	COUNTY: WINNEBAGO	CONSTRUCTION DETAIL - ROUNDABOUT LIGHTING (SAND PIT RD)	SHEET 128 E





NOTES:

WISCONSIN DOT NORTHEAST REGION ELECTRICAL UNIT SHALL APPROVE FINAL LOCATIONS FOR ALL CONCRETE BASES IN THE FIELD PRIOR TO CONSTRUCTION. CONTACT THEM 3 DAYS IN ADVANCE AT (920) 360-4749.

THE LOCATION OF EXISTING AND PROPOSED UTILITIES AS SHOWN ON THE PLANS ARE APPROXIMATE. IN ADDITION, THERE MAY BE OTHER UTILITIES WITHIN THE PROJECT AREA WHICH ARE NOT SHOWN. THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL UTILITIES PRIOR TO CONSTRUCTION.

LEGEND

- LIGHTING CONTROL CABINET (Type 10) WITH METER BREAKER PEDESTAL
- 2" CONDUIT, NON-METALLIC (unless otherwise noted)
- LIGHTING UNIT
- PULL BOX 24" X 42"
- UTILITY POLE
- ELECTRIC, UNDERGROUND — E —
- ELECTRIC, OVERHEAD — OH —

EXAMPLE (see individual label on each lighting unit)

III-LED A-12-5-A-4

- LIGHT UNIT NUMBER IN CIRCUIT
- CIRCUIT ID
- BASE TYPE
- MAST ARM LENGTH (in feet)
- LAMP WATTAGE
- DISTRIBUTION TYPE

240 VOLT SYSTEM

120/240 VOLT ELECTRIC SERVICE

STH 21 & SAND PIT ROAD
TOWN OF ALGOMA
WINNEBAGO COUNTY

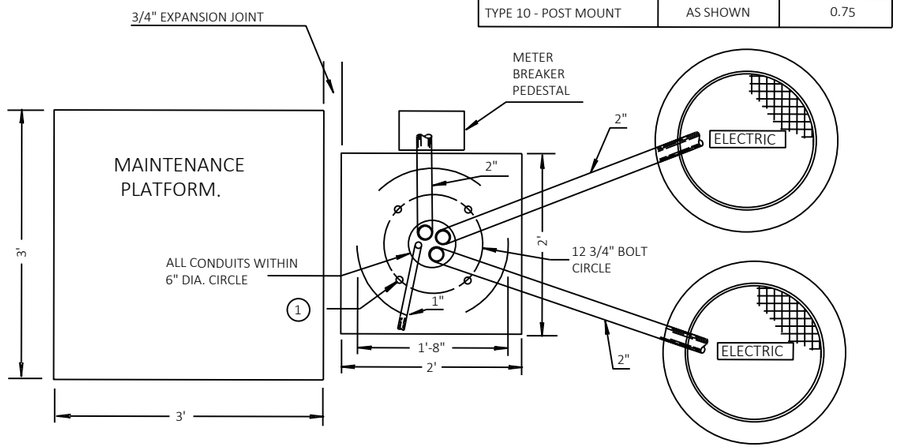
LIGHTING NO. 70-2056

DESIGNER: WISDOT NE REGION TRAFFIC UNIT

DATE: 2/4/2022 SHEET NO. 1 OF 4

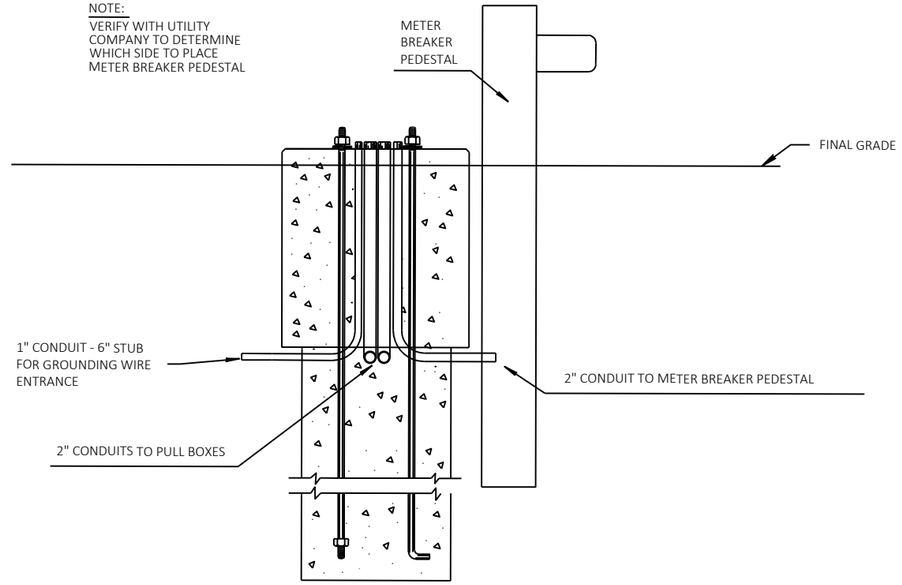
PROJECT NO: 6180-30-73	HWY: STH 21	COUNTY: WINNEBAGO	CONSTRUCTION DETAIL - ROUNDABOUT LIGHTING (SAND PIT RD)	SHEET 129	E

CONTROL CABINET BASE TYPE	DIMENSIONS	C.Y. CONCRETE (APPROX.)
TYPE 10 - POST MOUNT	AS SHOWN	0.75

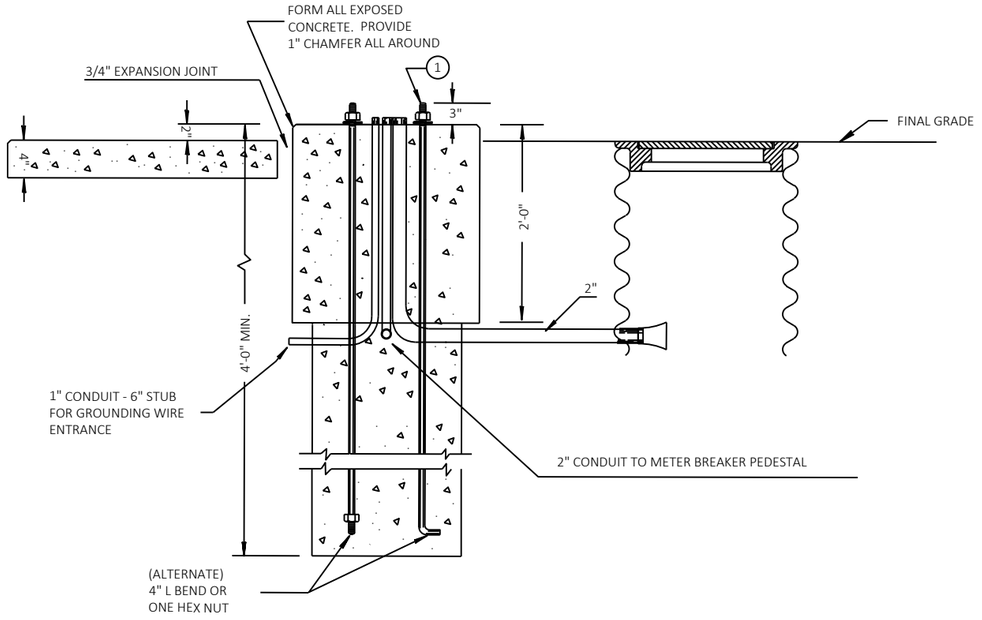


PLAN VIEW

NOTE:
VERIFY WITH UTILITY COMPANY TO DETERMINE WHICH SIDE TO PLACE METER BREAKER PEDESTAL



FRONT VIEW



PROFILE VIEW

GENERAL NOTES

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

WHEN REQUIRED TO CONNECT NONMETALLIC 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.

CONTROL CABINET BASE TOP SURFACES SHALL BE TROWEL FINISHED AND LEVEL.

WHEN A TYPE 10 CONTROL CABINET BASE IS USED TO POST MOUNT A CONTROL CABINET, A 36" SQUARE 4" THICK CONCRETE MAINTENANCE PLATFORM SHALL BE REQUIRED ON THE DOOR SIDE OF THE CABINET. THE TOP 1 INCH SHALL BE ABOVE FINISHED GRADE AND BE BROOM FINISHED AND LEVEL.

MAINTENANCE PLATFORMS ARE NOT REQUIRED WHEN THE SURROUNDING AREA IS PAVED.

ALL CONDUIT ENDS AT THE TOP OF THE CONCRETE BASE SHALL PLUGGED IMMEDIATELY AFTER PLACEMENT AND BEFORE CONCRETE IS POURED. CONDUITS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED SHALL REMAIN CAPPED OR PLUGGED.

BELL ENDS SHALL BE INSTALLED ON ALL PVC CONDUIT EXPOSED AT THE TOP OF THE CONCRETE BASE BEFORE INSTALLATION OF CABLE OR WIRE.

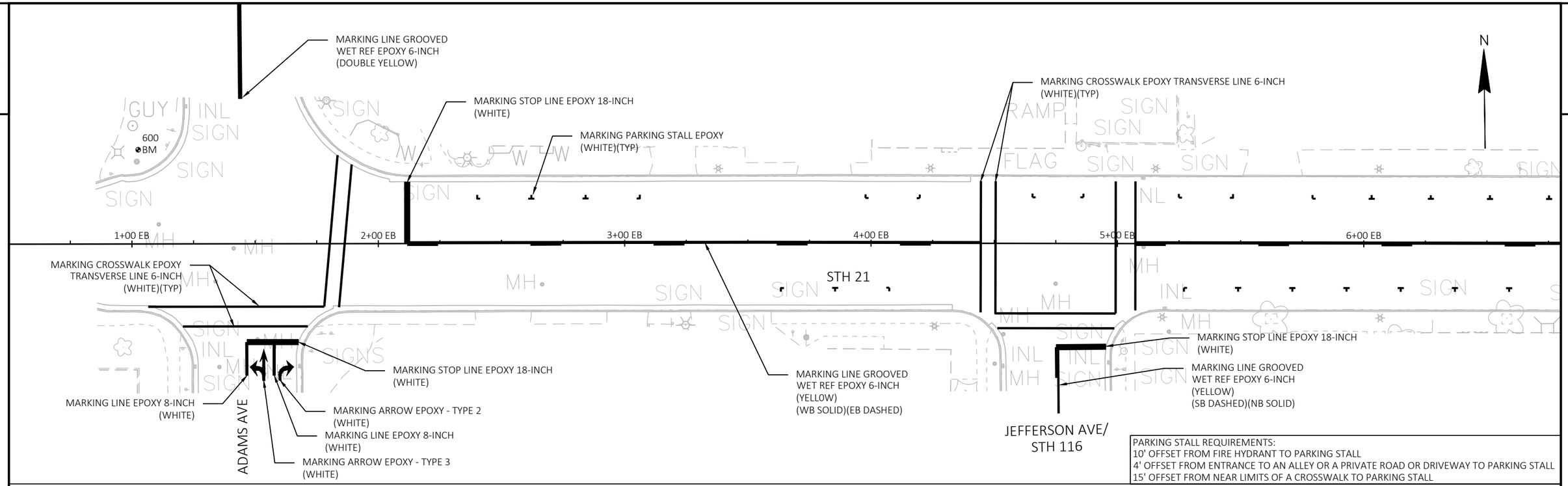
WHEN ANCHOR RODS USING THE ALTERNATE L BEND ARE FURNISHED FOR THE TYPE 10 BASE, THE 4" L BEND SHALL BE IN ADDITION TO THE SPECIFIED ANCHOR ROD BAR LENGTH.

THE "L" BEND SHALL NOT BE THREADED.

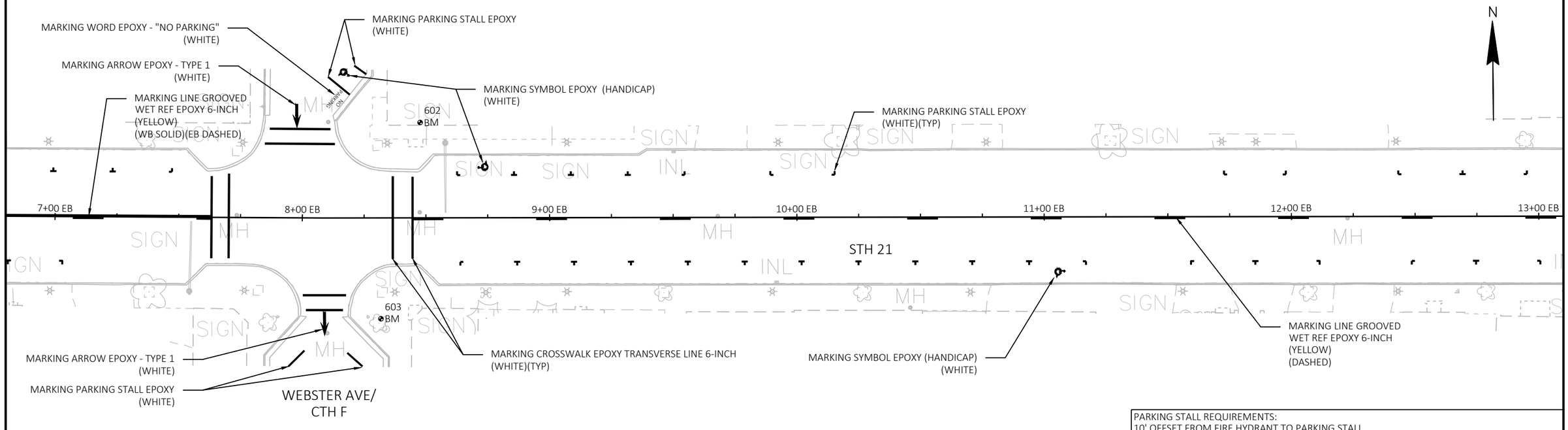
STRAIGHT ANCHOR RODS SHALL BE THREADED 12" IN LENGTH ON EACH END OF THE ROD.

FOUR (4) ANCHOR RODS, 1" DIA. X 3'-6"
ANCHOR RODS SHALL BE MANUFACTURED IN ACCORDANCE WITH SECTION 654.2.1 AND 641.2.2 OF THE STANDARD SPECIFICATIONS AND IN ACCORDANCE WITH A-449, OR ASTM.

2



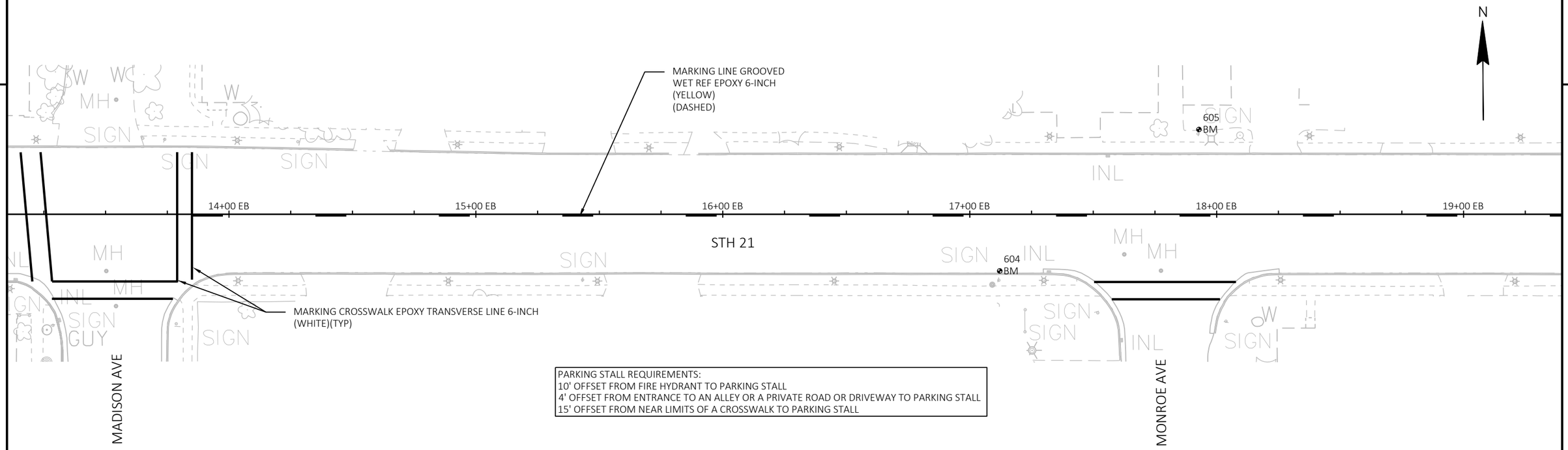
PARKING STALL REQUIREMENTS:
10' OFFSET FROM FIRE HYDRANT TO PARKING STALL
4' OFFSET FROM ENTRANCE TO AN ALLEY OR A PRIVATE ROAD OR DRIVEWAY TO PARKING STALL
15' OFFSET FROM NEAR LIMITS OF A CROSSWALK TO PARKING STALL



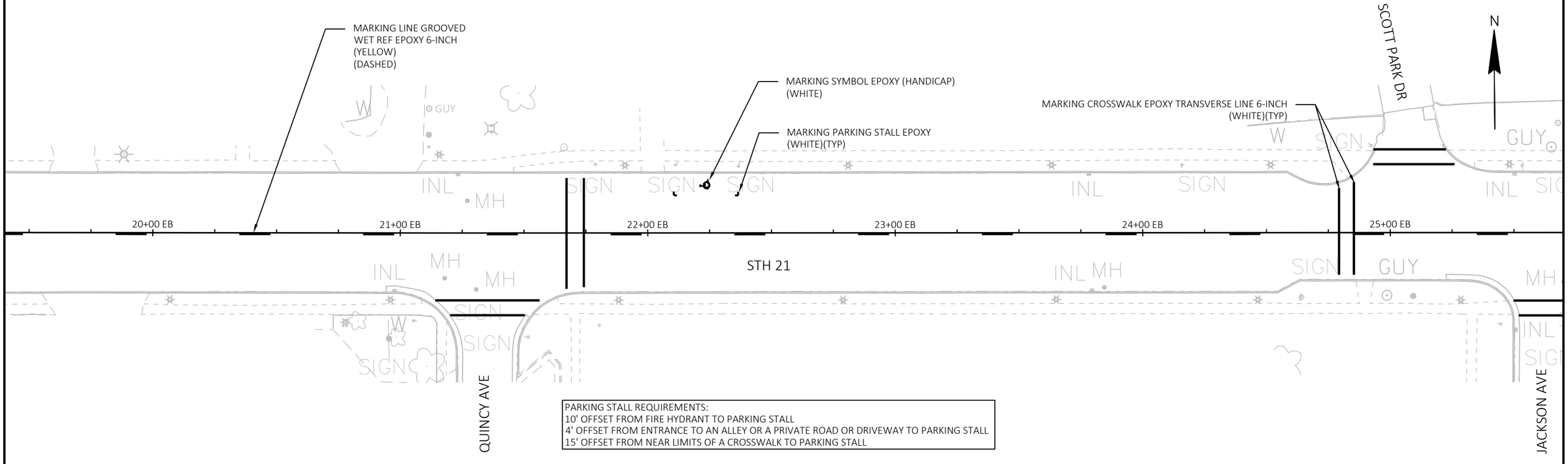
PARKING STALL REQUIREMENTS:
10' OFFSET FROM FIRE HYDRANT TO PARKING STALL
4' OFFSET FROM ENTRANCE TO AN ALLEY OR A PRIVATE ROAD OR DRIVEWAY TO PARKING STALL
15' OFFSET FROM NEAR LIMITS OF A CROSSWALK TO PARKING STALL

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	PAVEMENT MARKING - CITY OF OMRO	SHEET 131	E

2



PARKING STALL REQUIREMENTS:
10' OFFSET FROM FIRE HYDRANT TO PARKING STALL
4' OFFSET FROM ENTRANCE TO AN ALLEY OR A PRIVATE ROAD OR DRIVEWAY TO PARKING STALL
15' OFFSET FROM NEAR LIMITS OF A CROSSWALK TO PARKING STALL



PARKING STALL REQUIREMENTS:
10' OFFSET FROM FIRE HYDRANT TO PARKING STALL
4' OFFSET FROM ENTRANCE TO AN ALLEY OR A PRIVATE ROAD OR DRIVEWAY TO PARKING STALL
15' OFFSET FROM NEAR LIMITS OF A CROSSWALK TO PARKING STALL

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	PAVEMENT MARKING - CITY OF OMRO	SHEET 132	E

2

2

N

MARKING LINE GROOVED
WET REF EPOXY 6-INCH
(YELLOW)
(DASHED)

MARKING LINE GROOVED
WET REF EPOXY 6-INCH
(YELLOW)
(WB DASHED)(EB SOLID)

MARKING LINE GROOVED
WET REF EPOXY 6-INCH
(DOUBLE YELLOW)

26+00 EB
27+00 EB
28+00 EB
29+00 EB
30+00 EB
31+00 EB
32+00 EB

STH 21

606
BM

607
BM

JACKSON AVE

VAN BUREN AVE

MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH
(WHITE)(TYP)

N

32+00 EB
33+00 EB
34+00 EB
35+00 EB
36+00 EB
37+00 EB
38+00 EB

MARKING LINE GROOVED
WET REF EPOXY 6-INCH
(DOUBLE YELLOW)

MAPLEWOOD RD
(WEST)

MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH
(WHITE)(TYP)

608
BM

609
BM

STH 21

HARRISON AVE

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	PAVEMENT MARKING - CITY OF OMRO	SHEET 133	E

2

2

MAPLEWOOD RD
(EAST)

OMREAU AVE

N

39+00 EB

40+00 EB

41+00 EB

42+00 EB

43+00 EB

44+00 EB

STH 21

MARKING LINE GROOVED
WET REF EPOXY 6-INCH
(DOUBLE YELLOW)

MARKING LINE GROOVED
WET REF EPOXY 6-INCH
(YELLOW)
(WB SOLID)(EB DASHED)

MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH
(WHITE)(TYP)

610
BM

MCKINLEY AVE

BECKWITH AVE

N

LINCOLN AVE

MARKING LINE GROOVED
WET REF EPOXY 6-INCH
(YELLOW)
(WB SOLID)(EB DASHED)

MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH
(WHITE)(TYP)

MARKING LINE GROOVED
WET REF EPOXY 6-INCH
(YELLOW)
(DASHED)

45+00 EB

46+00 EB

47+00 EB

48+00 EB

49+00 EB

50+00 EB

STH 21

611
BM

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	PAVEMENT MARKING - CITY OF OMRO	SHEET 134	E

2

LINCOLN AVE

MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH
(WHITE)(TYP)

MARKING LINE GROOVED
WET REF EPOXY 6-INCH
(YELLOW)
(DASHED)

N

MH INL MH INL SIGN MH

51+00 EB 52+00 EB 53+00 EB 54+00 EB 55+00 EB 56+00 EB 57+00 EB

STH 21

MH 612 BM 613 BM INL MH MH INL SIGN INL MH

N

GUY 614 BM

MARKING LINE GROOVED
WET REF EPOXY 6-INCH
(YELLOW)
(DASHED)

SIGN SIGN MH INL MH

58+00 EB 59+00 EB 60+00 EB 61+00 EB 62+00 EB 63+00 EB

STH 21

INL MH SIGN RIPRAP MH 615 BM SIGN MH MH GUY

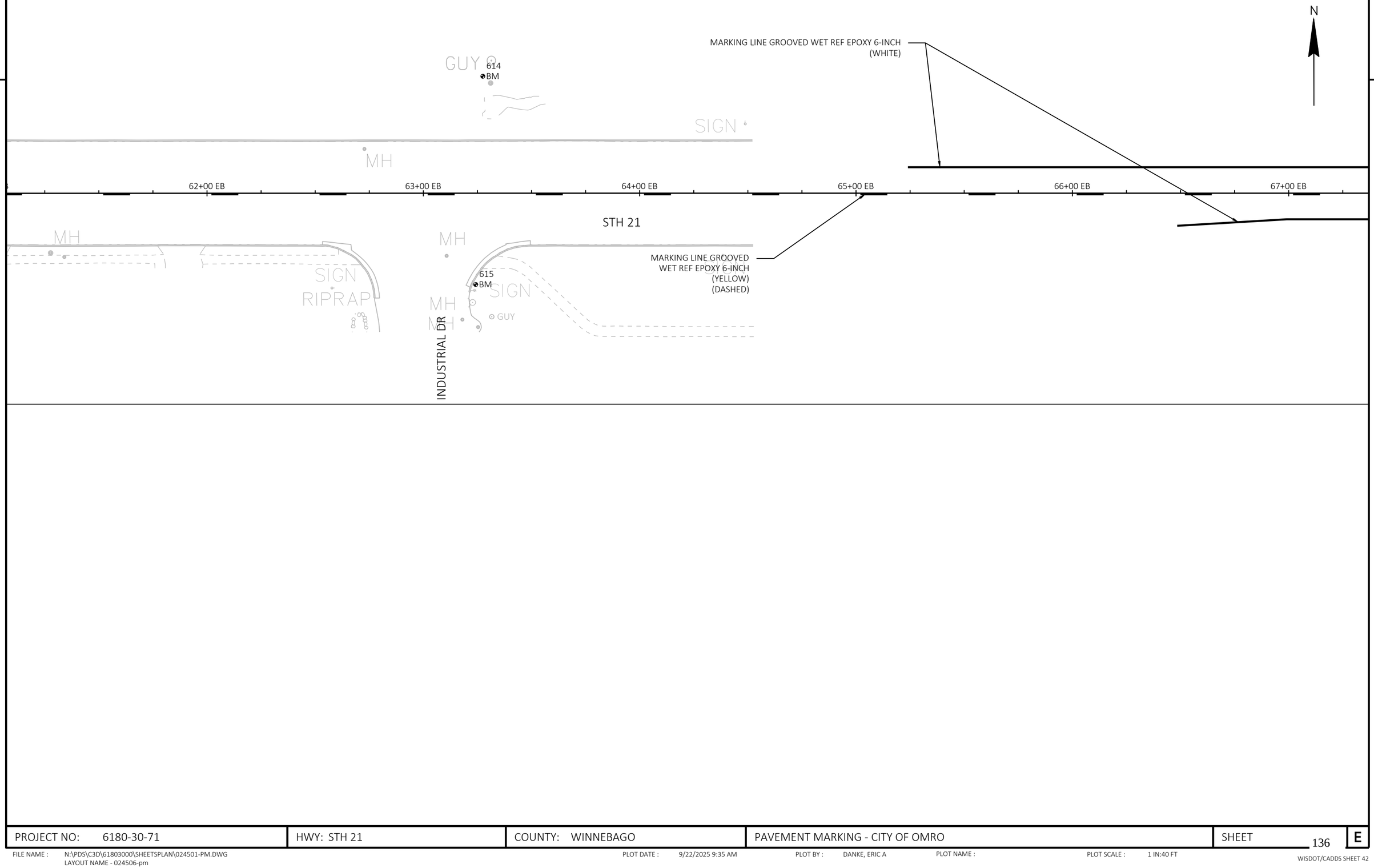
INDUSTRIAL DR

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	PAVEMENT MARKING - CITY OF OMRO	SHEET 135	E

FILE NAME : N:\PDS\C3D\61803000\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - 024505-pm

PLOT DATE : 9/22/2025 9:35 AM PLOT BY : DANKE, ERIC A PLOT NAME : PLOT SCALE : 1 IN:40 FT

2



PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	PAVEMENT MARKING - CITY OF OMRO	SHEET 136	E

2

2

N

MARKING LINE GROOVED WET REF EPOXY 6-INCH
(DOUBLE YELLOW 500' MIN PRIOR TO ROUNDABOUT)

187+00 EB

188+00 EB

189+00 EB

190+00 EB

191+00 EB

192+00 EB

193+00

STH 21

SIGN

MARKING LINE GROOVED WET REF EPOXY 6-INCH
(WHITE)

PROJECT NO: 6180-30-72	HWY: STH 21	COUNTY: WINNEBAGO	PAVEMENT MARKING - CTH FF/REIGHMOOR RD	SHEET 137	E

FILE NAME : N:\PDS\C3D\61803000\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - 024507-pm

PLOT DATE : 9/22/2025 9:35 AM PLOT BY : DANKE, ERIC A PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2

N

MARKING LINE GROOVED WET REF EPOXY 6-INCH
(DOUBLE YELLOW)

MARKING LINE GROOVED WET REF EPOXY 6-INCH
(SINGLE YELLOW)

MARKING ISLAND NOSE EPOXY
(YELLOW)

193+00 EB

398+00 WB

194+00 EB

399+00 WB

400+00 WB

196+00 EB

401+00 WB

197+00 EB

402+00 WB

198+00 EB

403+00 WB

STH 21

SIGN

MARKING LINE GROOVED WET REF EPOXY 6-INCH
(WHITE)

MARKING DIAGONAL EPOXY 12-INCH
(YELLOW, 25' SPACING)

MARKING CURB EPOXY
(YELLOW)

1000
BM

FOUND

FOUND

PROJECT NO: 6180-30-72	HWY: STH 21	COUNTY: WINNEBAGO	PAVEMENT MARKING - CTH FF/REIGHMOOR RD	SHEET 138	E

FILE NAME : N:\PDS\C3D\61803000\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - 024508-pm

PLOT DATE : 9/22/2025 9:35 AM PLOT BY : DANKE, ERIC A PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2

N

MARKING LINE EPOXY 6-INCH
(SINGLE YELLOW)

MARKING LINE EPOXY 6-INCH
(WHITE, 3' SEG, 9' GAP)

REIGHMOOR RD

614+00 SB

514+00 NB

MARKING DOTTED EXTENSION LINE EPOXY 18-INCH
(WHITE, 2' SEG, 2' GAP)(TYP)

MARKING LINE GROOVED WET REF EPOXY 6-INCH
(SINGLE YELLOW)

MARKING LINE GROOVED WET REF EPOXY 6-INCH
(WHITE, 3' SEG, 9' GAP)

MARKING LINE GROOVED WET REF EPOXY 6-INCH
(SINGLE YELLOW)

403+00 WB

404+00 WB

405+00 WB

199+00 EB

200+00 EB

STH 21

407+00 WB

408+00 WB

409+00 W

203+00 EB

204+00 EB

STH 21

MARKING LINE GROOVED WET REF EPOXY 6-INCH
(WHITE)

MARKING LINE GROOVED WET REF EPOXY 6-INCH
(WHITE, 3' SEG, 9' GAP)

MARKING LINE GROOVED WET REF EPOXY 6-INCH
(WHITE)

CTH FF

612+00 SB

514+00 NB

MARKING LINE EPOXY 6-INCH
(WHITE, 3' SEG, 9' GAP)

1001
BM

MARKING LINE EPOXY 6-INCH
(WHITE)

611+00 SB

511+00 NB

MARKING LINE EPOXY 6-INCH
(SINGLE YELLOW)

PROJECT NO: 6180-30-72	HWY: STH 21	COUNTY: WINNEBAGO	PAVEMENT MARKING - CTH FF/REIGHMOOR RD	SHEET 139	E

FILE NAME : N:\PDS\C3D\61803000\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - 024509-pm

PLOT DATE : 9/22/2025 9:35 AM PLOT BY : DANKE, ERIC A PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2

N

MARKING LINE GROOVED WET REF EPOXY 6-INCH
(SINGLE YELLOW)

MARKING DIAGONAL EPOXY 12-INCH
(YELLOW, 25' SPACING)

MARKING ISLAND NOSE EPOXY
(YELLOW)

MARKING LINE GROOVED WET REF EPOXY 6-INCH
(DOUBLE YELLOW)

POST

SIGN

409+00 WB

410+00 WB

411+00 WB

412+00 WB

413+00 WB

414+00 WB

205+00 EB

206+00 EB

207+00 EB

208+00 EB

209+00 EB

210+00 EB

STH 21

MARKING CURB EPOXY
(YELLOW)

MARKING LINE GROOVED WET REF EPOXY 6-INCH
(WHITE)

1002
BM

PROJECT NO: 6180-30-72	HWY: STH 21	COUNTY: WINNEBAGO	PAVEMENT MARKING - CTH FF/REIGHMOOR RD	SHEET 140	E

FILE NAME : N:\PDS\C3D\61803000\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - 024510-pm

PLOT DATE : 9/22/2025 9:35 AM

PLOT BY : DANKE, ERIC A

PLOT NAME :

PLOT SCALE : 1 IN:40 FT

2

2

N

POST

MARKING LINE GROOVED WET REF EPOXY 6-INCH
(DOUBLE YELLOW 500' MIN PRIOR TO ROUNDABOUT)

0+00 EB | 211+00 EB | 212+00 EB | 213+00 EB | 214+00 EB | 215+00 EB | 216+00 EB

STH 21

MARKING LINE GROOVED WET REF EPOXY 6-INCH
(WHITE)

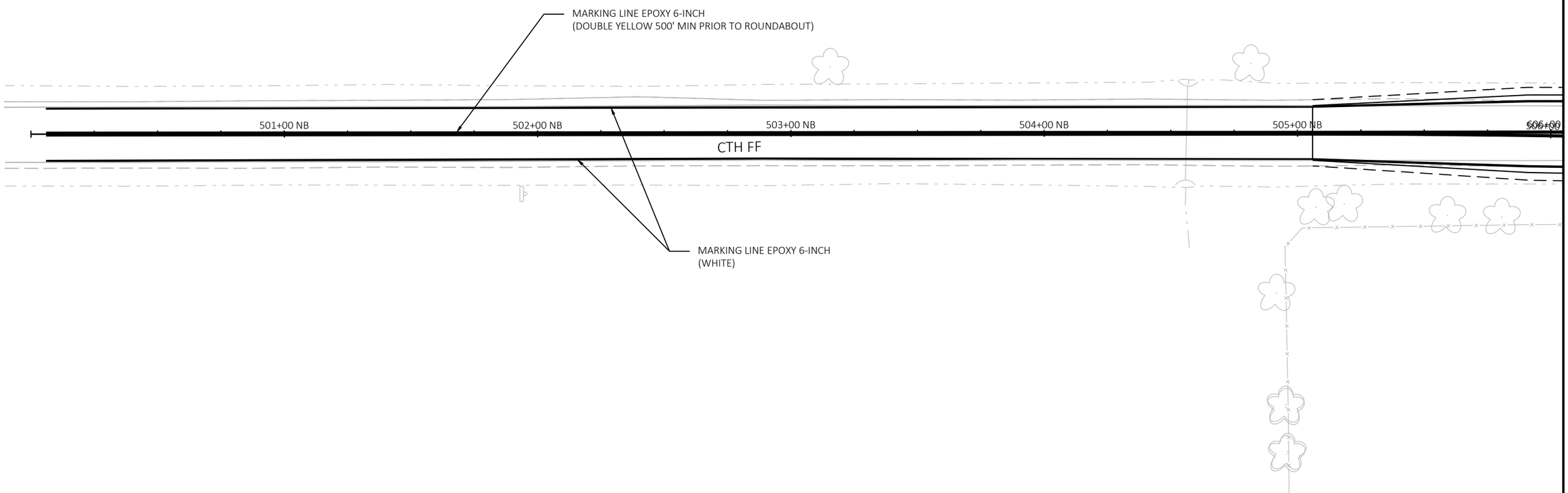
PROJECT NO: 6180-30-72	HWY: STH 21	COUNTY: WINNEBAGO	PAVEMENT MARKING - CTH FF/REIGHMOOR RD	SHEET 141	E

FILE NAME : N:\PDS\C3D\61803000\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - 024511-pm

PLOT DATE : 9/22/2025 9:35 AM PLOT BY : DANKE, ERIC A PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

N



PROJECT NO: 6180-30-72	HWY: STH 21	COUNTY: WINNEBAGO	PAVEMENT MARKING - CTH FF/REIGHMOOR RD	SHEET 142	E

FILE NAME : N:\PDS\C3D\61803000\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - 024512-pm
PLOT DATE : 9/22/2025 9:35 AM
PLOT BY : DANKE, ERIC A
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

2

N

BM
1001

WELL

FOUND

SEPC

SEPV

POST

SIGN

MARKING LINE EPOXY 6-INCH
(DOUBLE YELLOW)

MARKING CURB EPOXY
(YELLOW)

MARKING LINE EPOXY 6-INCH
(SINGLE YELLOW)

606+00 SB
606+00 NB
607+00 SB
608+00 SB
508+00 NB
609+00 SB
610+00 SB
611+00 SB
511+00 NB
510+00 NB

CTH FF

MARKING ISLAND NOSE EPOXY
(YELLOW)

MARKING LINE EPOXY 6-INCH
(WHITE, 3' SEG, 9' GAP)

MARKING LINE EPOXY 6-INCH
(WHITE)

MARKING DIAGONAL EPOXY 12-INCH
(YELLOW, 25' SPACING)

PROJECT NO: 6180-30-72	HWY: STH 21	COUNTY: WINNEBAGO	PAVEMENT MARKING - CTH FF/REIGHMOOR RD	SHEET 143	E

FILE NAME : N:\PDS\C3D\61803000\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - 024513-pm

PLOT DATE : 9/22/2025 9:35 AM PLOT BY : DANKE, ERIC A PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

2

N

MARKING LINE EPOXY 6-INCH
(WHITE, 3' SEG, 9' GAP)

MARKING LINE EPOXY 6-INCH
(SINGLE YELLOW)

MARKING ISLAND NOSE EPOXY
(YELLOW)

MARKING LINE EPOXY 6-INCH
(DOUBLE YELLOW)

615+00 SB

515+00 NB

616+00 SB

516+00 NB

617+00 SB

517+00 NB

618+00 SB

518+00 NB

619+00 SB

519+00 NB

520+00 SB

520+00 NB

REIGHMOOR RD

MARKING CURB EPOXY
(YELLOW)

MARKING DIAGONAL EPOXY 12-INCH
(YELLOW, 25' SPACING)

MARKING LINE EPOXY 6-INCH
(WHITE, 3' SEG, 9' GAP)

MARKING LINE EPOXY 6-INCH
(WHITE)

PROJECT NO: 6180-30-72	HWY: STH 21	COUNTY: WINNEBAGO	PAVEMENT MARKING - CTH FF/REIGHMOOR RD	SHEET 144	E

FILE NAME : N:\PDS\C3D\618030000\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - 024514-pm

PLOT DATE : 9/22/2025 9:35 AM PLOT BY : DANKE, ERIC A PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

N

MARKING LINE EPOXY 6-INCH
(DOUBLE YELLOW 500' MIN PRIOR TO ROUNDABOUT)

521+00 NB

522+00 NB

523+00 NB

REIGHMOOR RD

MARKING LINE EPOXY 6-INCH
(WHITE)

PROJECT NO: 6180-30-72	HWY: STH 21	COUNTY: WINNEBAGO	PAVEMENT MARKING - CTH FF/REIGHMOOR RD	SHEET 145 E

FILE NAME : N:\PDS\C3D\61803000\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - 024515-pm

PLOT DATE : 9/22/2025 9:35 AM PLOT BY : DANKE, ERIC A PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

2

N

FOUND

POST

MARKING LINE GROOVED WET REF EPOXY 6-INCH
(DOUBLE YELLOW 500' MIN PRIOR TO ROUNDABOUT)

240+00 EB | 241+00 EB | 242+00 EB | 243+00 EB | 244+00 EB | 245+00 EB | 246+00

STH 21

MARKING LINE GROOVED WET REF EPOXY 6-INCH
(WHITE)

PROJECT NO: 6180-30-73	HWY: STH 21	COUNTY: WINNEBAGO	PAVEMENT MARKING - SAND PIT RD	SHEET 146	E

FILE NAME : N:\PDS\C3D\61803000\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - 024516-pm

PLOT DATE : 9/22/2025 9:35 AM PLOT BY : DANKE, ERIC A PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

2

N

MARKING LINE GROOVED WET REF EPOXY 6-INCH
(SINGLE YELLOW)

MARKING LINE GROOVED WET REF EPOXY 6-INCH
(DOUBLE YELLOW)

MARKING CURB EPOXY
(YELLOW)

246+00 EB

351+00 WB

247+00 EB

352+00 WB

248+00 EB

353+00 WB

249+00 EB

354+00 WB

250+00 EB

355+00 WB

251+00 EB

356+00 WB

STH 21

SIGN

MARKING LINE GROOVED WET REF EPOXY 6-INCH
(WHITE)

MARKING DIAGONAL EPOXY 12-INCH
(YELLOW, 25' SPACING)

MARKING ISLAND NOSE EPOXY
(YELLOW)

1003
BM

PROJECT NO: 6180-30-73	HWY: STH 21	COUNTY: WINNEBAGO	PAVEMENT MARKING - SAND PIT RD	SHEET 147	E

FILE NAME : N:\PDS\C3D\61803000\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - 024517-pm

PLOT DATE : 9/22/2025 9:35 AM PLOT BY : DANKE, ERIC A PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

2

N

MARKING LINE EPOXY 6-INCH
(WHITE, 3' SEG, 9' GAP)

MARKING LINE EPOXY 6-INCH
(SINGLE YELLOW)

MARKING DOTTED EXTENSION LINE EPOXY 18-INCH
(WHITE, 2' SEG, 2' GAP)(TYP)

MARKING LINE GROOVED WET REF EPOXY 6-INCH
(SINGLE YELLOW)

MARKING LINE GROOVED WET REF EPOXY 6-INCH
(SINGLE YELLOW)

MARKING LINE GROOVED WET REF EPOXY 6-INCH
(WHITE)

MARKING LINE GROOVED WET REF EPOXY 6-INCH
(WHITE, 3' SEG, 9' GAP)

MARKING LINE GROOVED WET REF EPOXY 6-INCH
(WHITE, 3' SEG, 9' GAP)

MARKING LINE GROOVED WET REF EPOXY 6-INCH
(WHITE)

MARKING LINE EPOXY 6-INCH
(WHITE, 3' SEG, 9' GAP)

MARKING LINE EPOXY 6-INCH
(SINGLE YELLOW)

SAND PIT RD

SAND PIT RD

807+00 SB

807+00 NB

804+00 SB

804+00 NB

STH 21

STH 21

356+00 WB

357+00 WB

358+00 WB

361+00 WB

362+00 W

252+00 EB

253+00 EB

254+00 EB

256+00 EB

257+00 EB

1004
BM

POST

FOUND

PROJECT NO: 6180-30-73	HWY: STH 21	COUNTY: WINNEBAGO	PAVEMENT MARKING - SAND PIT RD	SHEET 148	E

FILE NAME : N:\PDS\C3D\61803000\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - 024518-pm

PLOT DATE : 9/22/2025 9:35 AM PLOT BY : DANKE, ERIC A PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2

N

MARKING LINE GROOVED WET REF EPOXY 6-INCH
(SINGLE YELLOW)

MARKING ISLAND NOSE EPOXY
(YELLOW)

MARKING DIAGONAL EPOXY 12-INCH
(YELLOW, 25' SPACING)

MARKING LINE GROOVED WET REF EPOXY 6-INCH
(DOUBLE YELLOW)

362+00 WB

363+00 WB

364+00 WB

365+00 WB

366+00 WB

367+00 WB

258+00 EB

259+00 EB

260+00 EB

261+00 EB

262+00 EB

263+00 EB

STH 21

MARKING LINE GROOVED WET REF EPOXY 6-INCH
(WHITE)

MARKING CURB EPOXY
(YELLOW)

1005
BM

FOUND

SIGN

SIGN

PROJECT NO: 6180-30-73	HWY: STH 21	COUNTY: WINNEBAGO	PAVEMENT MARKING - SAND PIT RD	SHEET 149	E

FILE NAME : N:\PDS\C3D\61803000\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - 024519-pm

PLOT DATE : 9/22/2025 9:35 AM PLOT BY : DANKE, ERIC A PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2

N

MARKING LINE GROOVED WET REF EPOXY 6-INCH
(DOUBLE YELLOW 500' MIN PRIOR TO ROUNDABOUT)

SIGN

3+00 EB | 264+00 EB | 265+00 EB | 266+00 EB | 267+00 EB | 268+00 EB | 269+00 EB

STH 21

MARKING LINE GROOVED WET REF EPOXY 6-INCH
(WHITE)

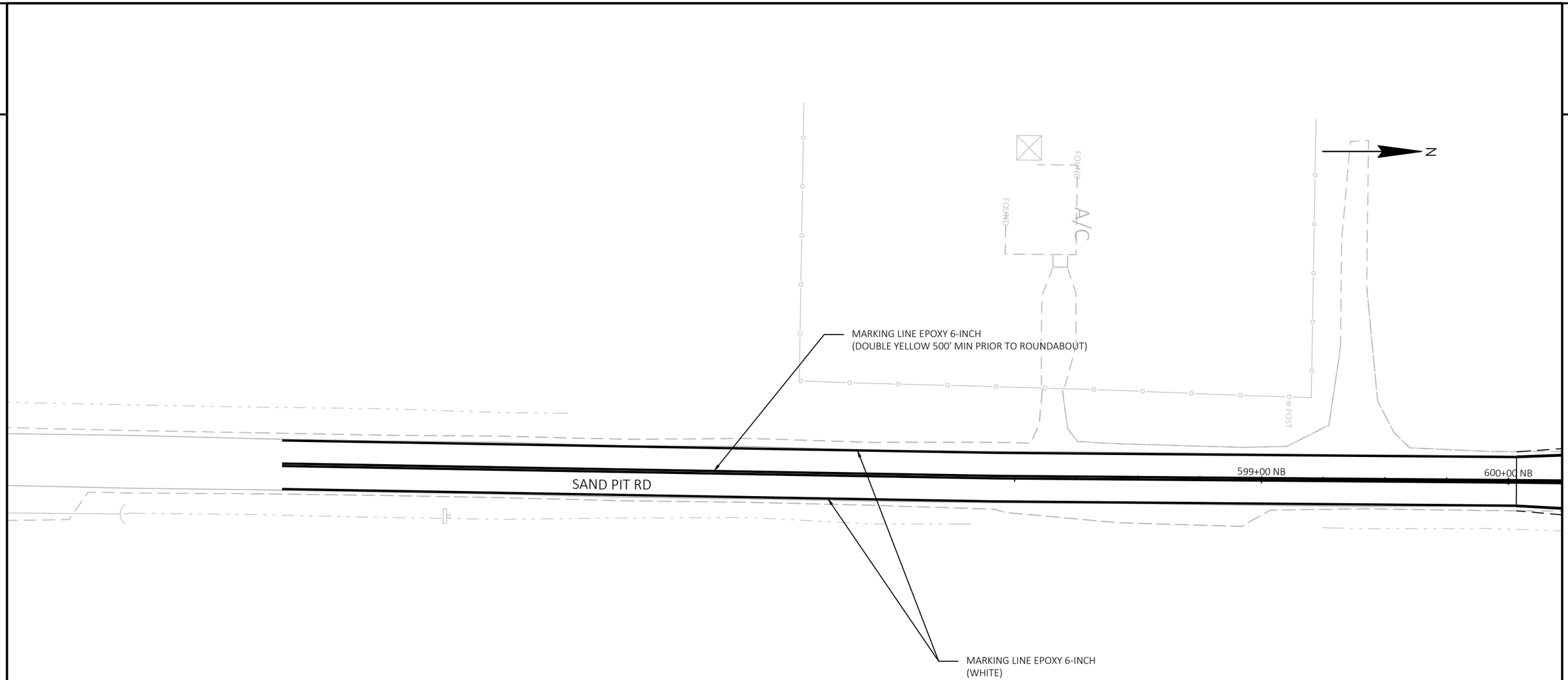
PROJECT NO: 6180-30-73	HWY: STH 21	COUNTY: WINNEBAGO	PAVEMENT MARKING - SAND PIT RD	SHEET 150	E

FILE NAME : N:\PDS\C3D\61803000\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - 024520-pm

PLOT DATE : 9/22/2025 9:35 AM PLOT BY : DANKE, ERIC A PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

2



PROJECT NO: 6180-30-73	HWY: STH 21	COUNTY: WINNEBAGO	PAVEMENT MARKING - SAND PIT RD	SHEET 151	E

FILE NAME : N:\PDS\C3D\61803000\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - 024521-pm

PLOT DATE : 9/22/2025 9:35 AM PLOT BY : DANKE, ERIC A PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2

N

MARKING LINE EPOXY 6-INCH
(WHITE, 3' SEG, 9' GAP)

MARKING LINE EPOXY 6-INCH
(SINGLE YELLOW)

MARKING LINE EPOXY 6-INCH
(DOUBLE YELLOW)

MARKING ISLAND NOSE EPOXY
(YELLOW)

MARKING CURB EPOXY
(YELLOW)

MARKING LINE EPOXY 6-INCH
(WHITE)

MARKING DIAGONAL EPOXY 12-INCH
(YELLOW, 25' SPACING)

599+00 NB

600+00 NB

801+00 SB

601+00 NB

802+00 SB

602+00 NB

803+00 SB

603+00 NB

804+00 SB

604+00 NB

SAND PIT RD

BM
1004

FOUND

A/C

POST

PROJECT NO: 6180-30-71/73	HWY: STH 21	COUNTY: WINNEBAGO	PAVEMENT MARKING - SAND PIT RD	SHEET 152	E

FILE NAME : N:\PDS\C3D\61803000\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - 024522-pm

PLOT DATE : 9/22/2025 9:35 AM PLOT BY : DANKE, ERIC A PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

N

MARKING LINE EPOXY 6-INCH
(WHITE, 3' SEG, 9' GAP)

MARKING LINE EPOXY 6-INCH
(SINGLE YELLOW)

MARKING DIAGONAL EPOXY 12-INCH
(YELLOW, 25' SPACING)

MARKING LINE EPOXY 6-INCH
(DOUBLE YELLOW)

MARKING CURB EPOXY
(YELLOW)

808+00 SB

809+00 SB

810+00 SB

811+00 SB

812+00 SB

SB

608+00 NB

609+00 NB

610+00 NB

612+00 NB

613+00 NB

NB

SAND PIT RD

MARKING ISLAND NOSE EPOXY
(YELLOW)

MARKING LINE EPOXY 6-INCH
(WHITE)

PROJECT NO: 6180-30-71/73	HWY: STH 21	COUNTY: WINNEBAGO	PAVEMENT MARKING - SAND PIT RD	SHEET 153	E

FILE NAME : N:\PDS\C3D\61803000\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - 024523-pm

PLOT DATE : 9/22/2025 9:35 AM PLOT BY : DANKE, ERIC A PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

N

FOUND

FOUND

POST

SS

POST

MARKING LINE EPOXY 6-INCH
(DOUBLE YELLOW 500' MIN PRIOR TO ROUNDABOUT)

613+00 NB

614+00 NB

615+00 NB

616+00 NB

SAND PIT RD

MARKING LINE EPOXY 6-INCH
(WHITE)

PROJECT NO: 6180-30-71/73	HWY: STH 21	COUNTY: WINNEBAGO	PAVEMENT MARKING - SAND PIT RD	SHEET 154	E

FILE NAME : N:\PDS\C3D\61803000\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - 024524-pm

PLOT DATE : 9/22/2025 9:35 AM PLOT BY : DANKE, ERIC A PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

STH 116

WEBSTER AVENUE

MAIN STREET 1+00 2+00 3+00 4+00 5+00 6+00 7+00 8+00 9+00 10+00 11+00 12+00 13+00 14+00 15+00

ADAMS AVENUE

STH 116/ JEFFERSON AVENUE

WEBSTER AVENUE

MADISON AVENUE

STAGE 1A: CURB RAMP REPLACEMENT

NOTE: TEMPORARY PEDESTRIAN BARRICADE USED TO DELINEATE WORK ZONE FROM OPEN SIDEWALK. TEMPORARY PEDESTRIAN BARRICADE PLACED IN STAGE 1A TO REMAIN IN PLACE DURING STAGE 1B, ONLY ADJUST SETUP AT LOCATIONS PLANS SHOW

N

MESSAGE FORMAT FOR TEMPORARY AUDIBLE MESSAGE DEVICES: "ATTENTION [DIRECTION] [STREET NAME] PEDESTRIANS. SIDEWALK CLOSED AHEAD FOR [NUMBER] BLOCKS. ALTERNATE PATH ON OPPOSITE SIDE OF ROAD. CROSS TO THE OTHER SIDE AT [STREET NAME] INTERSECTION AND CONTINUE [NUMBER] BLOCKS."

SCOTT PARK DRIVE

16+00 17+00 18+00 19+00 20+00 21+00 22+00 23+00 24+00 25+00 26+00 27+00 28+00 29+00 30+00 31+00

N

MONROE AVENUE

QUINCY AVENUE

STAGE 1A: CURB RAMP REPLACEMENT

JACKSON AVENUE

STAGE 1A: CURB RAMP REPLACEMENT

VAN BUREN AVENUE

LEGEND

- TEMPORARY PEDESTRIAN BARRICADE
- SIGN ON TEMPORARY SUPPORT
- ACCESSIBLE PEDESTRIAN PATH
- STAGE 1A WORK AREA
- TEMPORARY AUDIBLE MESSAGE DEVICE (EXACT PLACEMENT BASED UPON FIELD CONDITIONS)

A: SIDEWALK CLOSED — R9-9, 24" X 12"

B: SIDEWALK CLOSED AHEAD — R9-9A, 30" X 18"

C: DETOUR — M4-9BL, 30"X24"

D: DETOUR — M4-9BR, 30"X24"

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	TEMPORARY PEDESTRIAN ACCOMODATIONS - STAGE 1A	SHEET 155	E

FILE NAME : N:\PDS\C3D\61803000\SHEETSPLAN\026001-PED.DWG
LAYOUT NAME - Stage 1A-1

PLOT DATE : 7/28/2025 10:16 AM PLOT BY : DANA, SHARON T PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

2

MAPLEWOOD ROAD (WEST)

MAPLEWOOD ROAD (EAST)

N BUREN ENUE

HARRISON AVENUE

OMREAU AVENUE

MCKINLEY AVENUE

BECKWITH AVENUE

LINCOLN AVENUE

N

32+00 33+00 34+00 35+00 36+00 37+00 38+00 39+00 40+00 41+00 42+00 43+00 44+00 45+00 46+00 47+00

46+00 47+00 48+00 49+00 50+00 51+00 52+00 53+00 54+00 55+00 56+00 57+00 58+00 59+00 60+00 61+00

A A B B A A B B A A

STAGE 1A:
CURB RAMP REPLACEMENT

STAGE 1A:
CURB RAMP INSTALLATION

LEGEND

- TEMPORARY PEDESTRIAN BARRICADE
- SIGN ON TEMPORARY SUPPORT
- ACCESSIBLE PEDESTRIAN PATH
- STAGE 1A WORK AREA
- TEMPORARY AUDIBLE MESSAGE DEVICE (EXACT PLACEMENT BASED UPON FIELD CONDITIONS)

A	B	C	D
SIDEWALK CLOSED R9-9 24" X 12"	SIDEWALK CLOSED AHEAD R9-9A 30" X 18"	DETOUR M4-9BL 30"X24"	DETOUR M4-9BR 30"X24"

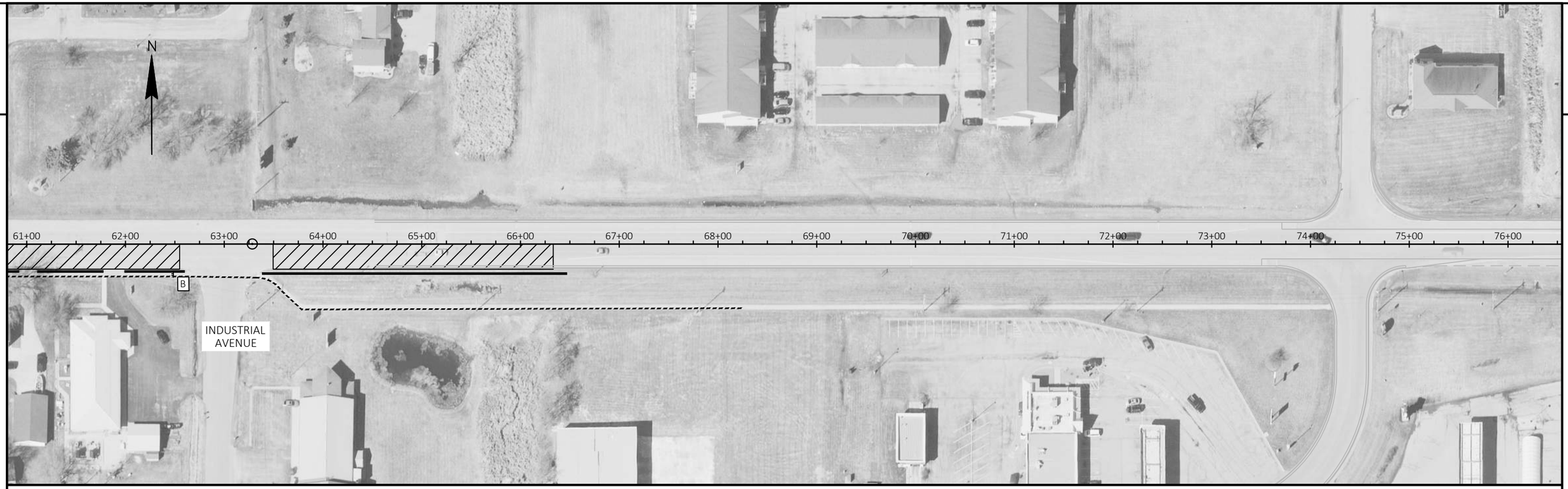
PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	TEMPORARY PEDESTRIAN ACCOMODATIONS - STAGE 1A	SHEET 156	E

FILE NAME : N:\PDS\C3D\61803000\SHEETSPLAN\026001-PED.DWG
LAYOUT NAME - Stage 1A-2

PLOT DATE : 7/28/2025 10:16 AM PLOT BY : DANA, SHARON T PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

2



LEGEND

TEMPORARY PEDESTRIAN BARRICADE

SIGN ON TEMPORARY SUPPORT

ACCESSIBLE PEDESTRIAN PATH

STAGE 1A WORK AREA

TEMPORARY AUDIBLE MESSAGE DEVICE (EXACT PLACEMENT BASED UPON FIELD CONDITIONS)

A — SIDEWALK CLOSED — R9-9 — 24" X 12"

B — SIDEWALK CLOSED AHEAD — R9-9A — 30" X 18"

C — DETOUR — M4-9BL — 30"X24"

D — DETOUR — M4-9BR — 30"X24"

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	TEMPORARY PEDESTRIAN ACCOMODATIONS - STAGE 1A	SHEET 157	E

2

STH 116

WEBSTER AVENUE

MAIN STREET 1+00 2+00 3+00 4+00 5+00 6+00 7+00 8+00 9+00 10+00 11+00 12+00 13+00 14+00 15+00

D C B B

ADAMS AVENUE

STH 116/ JEFFERSON AVENUE

WEBSTER AVENUE

MADISON AVENUE

N

NOTE: TEMPORARY PEDESTRIAN BARRICADE USED TO DELINEATE WORK ZONE FROM OPEN SIDEWALK. TEMPORARY PEDESTRIAN BARRICADE PLACED IN STAGE 1A TO REMAIN IN PLACE DURING STAGE 1B, ONLY ADJUST SETUP AT LOCATIONS PLANS SHOW

MESSAGE FORMAT FOR TEMPORARY AUDIBLE MESSAGE DEVICES: "ATTENTION [DIRECTION] [STREET NAME] PEDESTRIANS. SIDEWALK CLOSED AHEAD FOR [NUMBER] BLOCKS. ALTERNATE PATH ON OPPOSITE SIDE OF ROAD. CROSS TO THE OTHER SIDE AT [STREET NAME] INTERSECTION AND CONTINUE [NUMBER] BLOCKS."

SCOTT PARK DRIVE

16+00 17+00 18+00 19+00 20+00 21+00 22+00 23+00 24+00 25+00 26+00 27+00 28+00 29+00 30+00 31+00

A A B B A A A A B B B

N

MONROE AVENUE

STAGE 1B: CURB RAMP REPLACEMENT

QUINCY AVENUE

STAGE 1B: CURB RAMP REPLACEMENT

JACKSON AVENUE

VAN BUREN AVENUE

LEGEND

- TEMPORARY PEDESTRIAN BARRICADE
- SIGN ON TEMPORARY SUPPORT
- ACCESSIBLE PEDESTRIAN PATH
- STAGE 1B WORK AREA
- TEMPORARY AUDIBLE MESSAGE DEVICE (EXACT PLACEMENT BASED UPON FIELD CONDITIONS)

A: SIDEWALK CLOSED, R9-9, 24" X 12"

B: SIDEWALK CLOSED AHEAD, R9-9A, 30" X 18"

C: DETOUR, M4-9BL, 30"X24"

D: DETOUR, M4-9BR, 30"X24"

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	TEMPORARY PEDESTRIAN ACCOMODATIONS - STAGE 1B	SHEET 158	E

FILE NAME : N:\PDS\C3D\61803000\SHEETSPLAN\026001-PED.DWG
LAYOUT NAME - Stage 1B-1

PLOT DATE : 7/28/2025 10:44 AM PLOT BY : DANA, SHARON T PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

2

N BUREN
ENUE

MAPLEWOOD
ROAD
(WEST)

MAPLEWOOD
ROAD (EAST)

OMREAU
AVENUE

HARRISON
AVENUE

STAGE 1B:
CURB RAMP REPLACEMENT

MCKINLEY
AVENUE

BECKWITH
AVENUE

LINCOLN
AVENUE

N

32+00 33+00 34+00 35+00 36+00 37+00 38+00 39+00 40+00 41+00 42+00 43+00 44+00 45+00 46+00 47+00

46+00 47+00 48+00 49+00 50+00 51+00 52+00 53+00 54+00 55+00 56+00 57+00 58+00 59+00 60+00 61+00

A B C D

LEGEND

- TEMPORARY PEDESTRIAN BARRICADE
- SIGN ON TEMPORARY SUPPORT
- ACCESSIBLE PEDESTRIAN PATH
- STAGE 1B WORK AREA
- TEMPORARY AUDIBLE MESSAGE DEVICE (EXACT PLACEMENT BASED UPON FIELD CONDITIONS)

A: SIDEWALK CLOSED — R9-9, 24" X 12"

B: SIDEWALK CLOSED AHEAD — R9-9A, 30" X 18"

C: DETOUR — M4-9BL, 30"X24"

D: DETOUR — M4-9BR, 30"X24"

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	TEMPORARY PEDESTRIAN ACCOMODATIONS - STAGE 1B	SHEET 159	E

FILE NAME : N:\PDS\C3D\61803000\SHEETSPLAN\026001-PED.DWG
LAYOUT NAME - Stage 1B-2
PLOT DATE : 7/28/2025 10:44 AM
PLOT BY : DANA, SHARON T
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44

2



LEGEND

TEMPORARY PEDESTRIAN BARRICADE

SIGN ON TEMPORARY SUPPORT

ACCESSIBLE PEDESTRIAN PATH

STAGE 1B WORK AREA

TEMPORARY AUDIBLE MESSAGE DEVICE (EXACT PLACEMENT BASED UPON FIELD CONDITIONS)

A — SIDEWALK CLOSED — R9-9 24" X 12"

B — SIDEWALK CLOSED AHEAD — R9-9A 30" X 18"

C — DETOUR — M4-9BL 30"X24"

D — DETOUR — M4-9BR 30"X24"

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	TEMPORARY PEDESTRIAN ACCOMODATIONS - STAGE 1B	SHEET 160	E

FILE NAME : N:\PDS\C3D\61803000\SHEETSPLAN\026001-PED.DWG
LAYOUT NAME - Stage 1B-3

PLOT DATE : 7/28/2025 10:44 AM PLOT BY : DANA, SHARON T PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

2

STH 116

WEBSTER AVENUE

STAGE 2A: CURB RAMP REPLACEMENT/INSTALLATION

MAIN STREET 1+00 2+00 3+00 4+00 5+00 6+00 7+00 8+00 9+00 10+00 11+00 12+00 13+00 14+00 15+00

ADAMS AVENUE

STH 116/ JEFFERSON AVENUE

WEBSTER AVENUE

MADISON AVENUE

N

NOTE: TEMPORARY PEDESTRIAN BARRICADE USED TO DELINEATE WORK ZONE FROM OPEN SIDEWALK. TEMPORARY PEDESTRIAN BARRICADE PLACED IN STAGE 2A TO REMAIN IN PLACE DURING STAGE 2B, ONLY ADJUST SETUP AT LOCATIONS PLANS SHOW

MESSAGE FORMAT FOR TEMPORARY AUDIBLE MESSAGE DEVICES: "ATTENTION [DIRECTION] [STREET NAME] PEDESTRIANS. SIDEWALK CLOSED AHEAD FOR [NUMBER] BLOCKS. ALTERNATE PATH ON OPPOSITE SIDE OF ROAD. CROSS TO THE OTHER SIDE AT [STREET NAME] INTERSECTION AND CONTINUE [NUMBER] BLOCKS."

SCOTT PARK DRIVE

STAGE 2A/2B: CURB RAMP INSTALLATION

STAGE 2A/2B: CURB RAMP INSTALLATION

16+00 17+00 18+00 19+00 20+00 21+00 22+00 23+00 24+00 25+00 26+00 27+00 28+00 29+00 30+00 31+00

N

MONROE AVENUE

QUINCY AVENUE

JACKSON AVENUE

VAN BUREN AVENUE

LEGEND

- TEMPORARY PEDESTRIAN BARRICADE
- SIGN ON TEMPORARY SUPPORT
- ACCESSIBLE PEDESTRIAN PATH
- STAGE 2A WORK AREA
- TEMPORARY AUDIBLE MESSAGE DEVICE (EXACT PLACEMENT BASED UPON FIELD CONDITIONS)

A: SIDEWALK CLOSED — R9-9, 24" X 12"

B: SIDEWALK CLOSED AHEAD — R9-9A, 30" X 18"

C: DETOUR — M4-9BL, 30"X24"

D: DETOUR — M4-9BR, 30"X24"

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	TEMPORARY PEDESTRIAN ACCOMODATIONS - STAGE 2A	SHEET 161	E

FILE NAME : N:\PDS\C3D\61803000\SHEETSPLAN\026001-PED.DWG
LAYOUT NAME - Stage 2A-1

PLOT DATE : 7/28/2025 10:17 AM PLOT BY : DANA, SHARON T PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

N BUREN AVENUE

STAGE 2A: CURB RAMP REPLACEMENT

MAPLEWOOD ROAD (WEST)

MAPLEWOOD ROAD (EAST)

STAGE 2A: CURB RAMP REPLACEMENT

OMREAU AVENUE

HARRISON AVENUE

MCKINLEY AVENUE

BECKWITH AVENUE

LINCOLN AVENUE

STAGE 2A: CURB RAMP REPLACEMENT

N

32+00 33+00 34+00 35+00 36+00 37+00 38+00 39+00 40+00 41+00 42+00 43+00 44+00 45+00 46+00 47+00 48+00 49+00 50+00 51+00 52+00 53+00 54+00 55+00 56+00 57+00 58+00 59+00 60+00 61+00

LEGEND

- TEMPORARY PEDESTRIAN BARRICADE
- SIGN ON TEMPORARY SUPPORT
- ACCESSIBLE PEDESTRIAN PATH
- STAGE 2A WORK AREA
- TEMPORARY AUDIBLE MESSAGE DEVICE (EXACT PLACEMENT BASED UPON FIELD CONDITIONS)

A	B	C	D
SIDEWALK CLOSED R9-9 24" X 12"	SIDEWALK CLOSED AHEAD R9-9A 30" X 18"	DETOUR M4-9BL 30"X24"	DETOUR M4-9BR 30"X24"

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	TEMPORARY PEDESTRIAN ACCOMODATIONS - STAGE 2A	SHEET 162	E

FILE NAME : N:\PDS\C3D\61803000\SHEETSPLAN\026001-PED.DWG
LAYOUT NAME - Stage 2A-2

PLOT DATE : 7/28/2025 10:17 AM PLOT BY : DANA, SHARON T PLOT NAME : PLOT SCALE : 1 IN:100 FT



LEGEND

TEMPORARY PEDESTRIAN BARRICADE

SIGN ON TEMPORARY SUPPORT

ACCESSIBLE PEDESTRIAN PATH

STAGE 2A WORK AREA

TEMPORARY AUDIBLE MESSAGE DEVICE (EXACT PLACEMENT BASED UPON FIELD CONDITIONS)

A — SIDEWALK CLOSED — R9-9 24" X 12"

B — SIDEWALK CLOSED AHEAD — R9-9A 30" X 18"

C — DETOUR — M4-9BL 30"X24"

D — DETOUR — M4-9BR 30"X24"

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	TEMPORARY PEDESTRIAN ACCOMODATIONS - STAGE 2A	SHEET 163	E

FILE NAME : N:\PDS\C3D\61803000\SHEETSPLAN\026001-PED.DWG
LAYOUT NAME - Stage 2A-3

PLOT DATE : 7/28/2025 10:17 AM PLOT BY : DANA, SHARON T PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

2

STH 116

WEBSTER AVENUE

MAIN STREET 1+00 2+00 3+00 4+00 5+00 6+00 7+00 8+00 9+00 10+00 11+00 12+00 13+00 14+00 15+00

B D C A A

ADAMS AVENUE

STH 116/ JEFFERSON AVENUE

WEBSTER AVENUE

MADISON AVENUE

N

NOTE: TEMPORARY PEDESTRIAN BARRICADE USED TO DELINEATE WORK ZONE FROM OPEN SIDEWALK. TEMPORARY PEDESTRIAN BARRICADE PLACED IN STAGE 2A TO REMAIN IN PLACE DURING STAGE 2B, ONLY ADJUST SETUP AT LOCATIONS PLANS SHOW

MESSAGE FORMAT FOR TEMPORARY AUDIBLE MESSAGE DEVICES: "ATTENTION [DIRECTION] [STREET NAME] PEDESTRIANS. SIDEWALK CLOSED AHEAD FOR [NUMBER] BLOCKS. ALTERNATE PATH ON OPPOSITE SIDE OF ROAD. CROSS TO THE OTHER SIDE AT [STREET NAME] INTERSECTION AND CONTINUE [NUMBER] BLOCKS."

STAGE 2B: CURB RAMP REPLACEMENT/INSTALLATION

SCOTT PARK DRIVE

STAGE 2A/2B: CURB RAMP INSTALLATION

STAGE 2A/2B: CURB RAMP INSTALLATION

A A B B A A A A

16+00 17+00 18+00 19+00 20+00 21+00 22+00 23+00 24+00 25+00 26+00 27+00 28+00 29+00 30+00 31+00

A A A A

N

MONROE AVENUE

QUINCY AVENUE

JACKSON AVENUE

VAN BUREN AVENUE

LEGEND

- TEMPORARY PEDESTRIAN BARRICADE
- SIGN ON TEMPORARY SUPPORT
- ACCESSIBLE PEDESTRIAN PATH
- STAGE 2B WORK AREA
- TEMPORARY AUDIBLE MESSAGE DEVICE (EXACT PLACEMENT BASED UPON FIELD CONDITIONS)

A	B	C	D
SIDEWALK CLOSED R9-9 24" X 12"	SIDEWALK CLOSED AHEAD R9-9A 30" X 18"	DETOUR M4-9BL 30"X24"	DETOUR M4-9BR 30"X24"

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	TEMPORARY PEDESTRIAN ACCOMODATIONS - STAGE 2B	SHEET 164	E

2

2

MAPLEWOOD ROAD (WEST)

MAPLEWOOD ROAD (EAST)

STAGE 2B: CURB RAMP REPLACEMENTS

N BUREN ENUE

HARRISON AVENUE

OMREAU AVENUE

MCKINLEY AVENUE

BECKWITH AVENUE

LINCOLN AVENUE

STAGE 2B: CURB RAMP REPLACEMENT

32+00 33+00 34+00 35+00 36+00 37+00 38+00 39+00 40+00 41+00 42+00 43+00 44+00 45+00 46+00 47+00 48+00 49+00 50+00 51+00 52+00 53+00 54+00 55+00 56+00 57+00 58+00 59+00 60+00 61+00

LEGEND

- TEMPORARY PEDESTRIAN BARRICADE
- SIGN ON TEMPORARY SUPPORT
- ACCESSIBLE PEDESTRIAN PATH
- STAGE 2B WORK AREA
- TEMPORARY AUDIBLE MESSAGE DEVICE (EXACT PLACEMENT BASED UPON FIELD CONDITIONS)

A — SIDEWALK CLOSED — R9-9 24" X 12"

B — SIDEWALK CLOSED AHEAD — R9-9A 30" X 18"

C — DETOUR — M4-9BL 30"X24"

D — DETOUR — M4-9BR 30"X24"

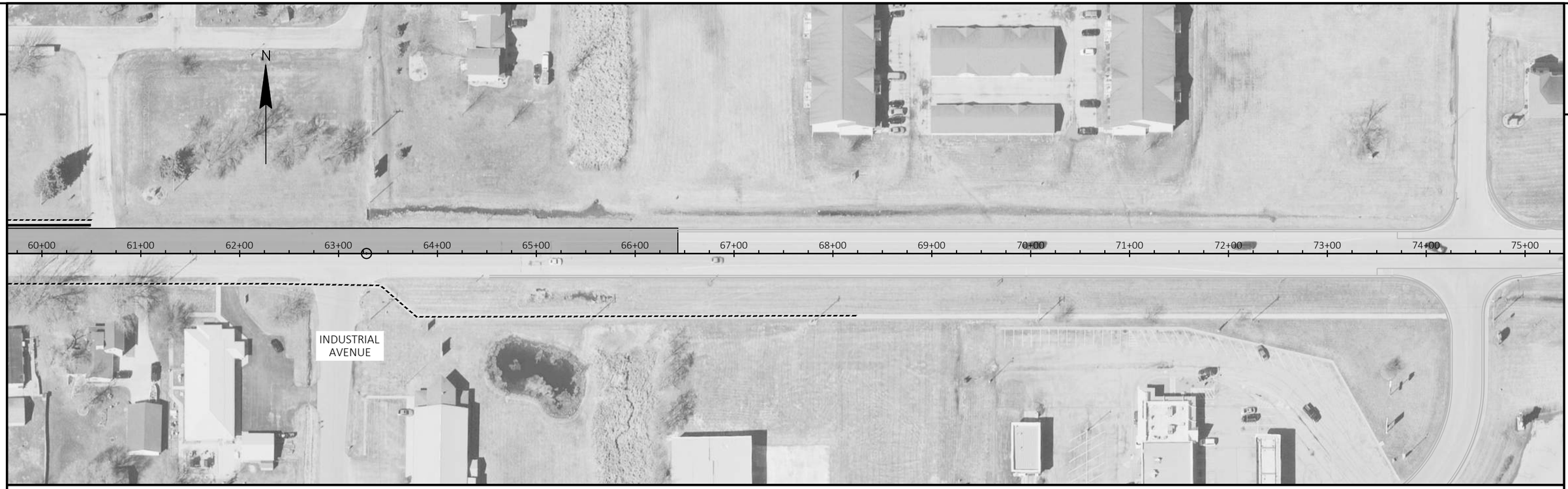
PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	TEMPORARY PEDESTRIAN ACCOMODATIONS - STAGE 2B	SHEET 165 E

FILE NAME : N:\PDS\C3D\61803000\SHEETSPLAN\026001-PED.DWG
LAYOUT NAME - Stage 2B-2

PLOT DATE : 7/28/2025 11:05 AM PLOT BY : DANA, SHARON T PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

2



2

LEGEND

TEMPORARY PEDESTRIAN BARRICADE

SIGN ON TEMPORARY SUPPORT

ACCESSIBLE PEDESTRIAN PATH

STAGE 2B WORK AREA

TEMPORARY AUDIBLE MESSAGE DEVICE (EXACT PLACEMENT BASED UPON FIELD CONDITIONS)

A — SIDEWALK CLOSED — R9-9 24" X 12"

B — SIDEWALK CLOSED AHEAD — R9-9A 30" X 18"

C — DETOUR — M4-9BL 30"X24"

D — DETOUR — M4-9BR 30"X24"

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	TEMPORARY PEDESTRIAN ACCOMODATIONS - STAGE 2B	SHEET 166	E

FILE NAME : N:\PDS\C3D\61803000\SHEETSPLAN\026001-PED.DWG
LAYOUT NAME - Stage 2B-3

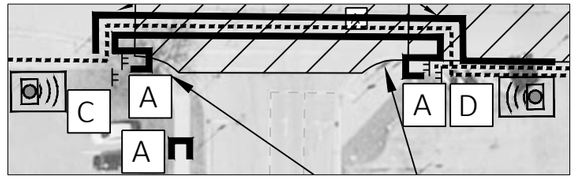
PLOT DATE : 7/28/2025 11:05 AM PLOT BY : DANA, SHARON T PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

N

STH 21/
STH 116

ADAMS AVE/WIS 21 SW & SE QUADRANT SETUP DETAIL



MESSAGE FORMAT FOR TEMPORARY AUDIBLE MESSAGE DEVICES:
"ATTENTION [DIRECTION] [STREET NAME] PEDESTRIANS. SIDEWALK CONSTRUCTION AHEAD. TEMPORARY FENCE PATH IN STREET IS OPEN. REJOINS ORIGINAL SIDEWALK AFTER [NUMBER] FEET."

WEBSTER AVENUE

MAIN STREET

TEMPORARY PED CURB RAMP AND BARRICADES

1+00 2+00 3+00 4+00 5+00 6+00 7+00 8+00 9+00 10+00 11+00 12+00 13+00

ADAMS AVENUE

STAGE 3A:
CURB RAMP REPLACEMENT

STH 116/
JEFFERSON AVENUE

WEBSTER AVENUE

MADISON AVENUE

MESSAGE FORMAT FOR TEMPORARY AUDIBLE MESSAGE DEVICES:
"ATTENTION [DIRECTION] [STREET NAME] PEDESTRIANS. SIDEWALK CLOSED AHEAD FOR [NUMBER] BLOCKS. ALTERNATE PATH ON OPPOSITE SIDE OF ROAD. CROSS TO THE OTHER SIDE AT [STREET NAME] INTERSECTION AND CONTINUE [NUMBER] BLOCKS."

NOTE: TEMPORARY PEDESTRIAN BARRICADE USED TO DELINEATE WORK ZONE FROM OPEN SIDEWALK. TEMPORARY PEDESTRIAN BARRICADE PLACED IN STAGE 1A TO REMAIN IN PLACE DURING STAGE 1B, ONLY ADJUST SETUP AT LOCATIONS PLANS SHOW

MESSAGE FORMAT FOR TEMPORARY AUDIBLE MESSAGE DEVICES:
"ATTENTION [DIRECTION] [STREET NAME] PEDESTRIANS. SIDEWALK CLOSED AHEAD FOR [NUMBER] BLOCKS. ALTERNATE PATH ON OPPOSITE SIDE OF ROAD. CROSS TO THE OTHER SIDE AT [STREET NAME] INTERSECTION AND CONTINUE [NUMBER] BLOCKS."

FOX RIVER

MAIN STREET

1+00 2+00 3+00

TEMPORARY PED CURB RAMP AND BARRICADES

ADAMS AVENUE

STAGE 3A:
CURB RAMP REPLACEMENT

WIS 21 / WIS 116

FOX RIVER BRIDGE

STH 21/
STH 116

SPRUCE ST

LEGEND

- TEMPORARY PEDESTRIAN BARRICADE
- SIGN ON TEMPORARY SUPPORT
- ACCESSIBLE PEDESTRIAN PATH
- STAGE 3A WORK AREA
- TEMPORARY AUDIBLE MESSAGE DEVICE (EXACT PLACEMENT BASED UPON FIELD CONDITIONS)

A	B	C	D
SIDEWALK CLOSED R9-9 24" X 12"	SIDEWALK CLOSED AHEAD R9-9A 30" X 18"	DETOUR M4-9BL 30"X24"	DETOUR M4-9BR 30"X24"

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	TEMPORARY PEDESTRIAN ACCOMODATIONS - STAGE 3A	SHEET 167	E

FILE NAME : N:\PDS\C3D\61803000\SHEETSPLAN\026001-PED.DWG
LAYOUT NAME - Stage 3A-1

PLOT DATE : 7/31/2025 1:21 PM PLOT BY : DANA, SHARON T PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

2

N

SPRUCE ST

CEDAR ST

LEFT TURN LANE CLOSED

WIS 21

WIS 116

RIGHT TURN LANE CLOSED

FOX RIVER

N

PEDESTRIAN BRIDGE

WEBSTER AVENUE

WEBSTER AVENUE

10+00

9+00

8+00

7+00

6+00

NOTE: TEMPORARY PEDESTRIAN BARRICADE USED TO DELINEATE WORK ZONE FROM OPEN SIDEWALK. TEMPORARY PEDESTRIAN BARRICADE PLACED IN STAGE 1A TO REMAIN IN PLACE DURING STAGE 1B, ONLY ADJUST SETUP AT LOCATIONS PLANS SHOW

N LANE CLOSED

116

LEGEND

TEMPORARY PEDESTRIAN BARRICADE

SIGN ON TEMPORARY SUPPORT

ACCESSIBLE PEDESTRIAN PATH

STAGE 3A WORK AREA

TEMPORARY AUDIBLE MESSAGE DEVICE (EXACT PLACEMENT BASED UPON FIELD CONDITIONS)

A — SIDEWALK CLOSED — R9-9 24" X 12"

B — SIDEWALK CLOSED AHEAD — R9-9A 30" X 18"

C — DETOUR — M4-9BL 30"X24"

D — DETOUR — M4-9BR 30"X24"

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	TEMPORARY PEDESTRIAN ACCOMODATIONS - STAGE 3A	SHEET 168	E

FILE NAME : N:\PDS\C3D\61803000\SHEETSPLAN\026001-PED.DWG
LAYOUT NAME - Stage 3A-2

PLOT DATE : 7/31/2025 1:21 PM PLOT BY : DANA, SHARON T PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

2

STH 21/
STH 116

STAGE 3B:
CURB RAMP
INSTALLATION/REPLACEMENT

MESSAGE FORMAT FOR TEMPORARY AUDIBLE MESSAGE DEVICES:
"ATTENTION [DIRECTION] [STREET NAME] PEDESTRIANS. SIDEWALK CLOSED AHEAD FOR [NUMBER] BLOCKS. ALTERNATE PATH ON OPPOSITE SIDE OF ROAD. CROSS TO THE OTHER SIDE AT [STREET NAME] INTERSECTION AND CONTINUE [NUMBER] BLOCKS."

WEBSTER
AVENUE

MAIN STREET 1+00 2+00 3+00 4+00 5+00 6+00 7+00 8+00 9+00 10+00 11+00 12+00 13+00

ADAMS
AVENUE

STH 116/
JEFFERSON
AVENUE

WEBSTER
AVENUE

N

MADISON
AVENUE

FOX RIVER

N

MAIN STREET 1+00 2+00 3+00

ADAMS
AVENUE

STH 21/
STH 116

STAGE 3B:
CURB RAMP
INSTALLATION/REPLACEMENT

WIS 21 / WIS 116

FOX RIVER BRIDGE

SPRUCE
ST

LEGEND

- TEMPORARY PEDESTRIAN BARRICADE
- SIGN ON TEMPORARY SUPPORT
- ACCESSIBLE PEDESTRIAN PATH
- STAGE 3B WORK AREA
- TEMPORARY AUDIBLE MESSAGE DEVICE (EXACT PLACEMENT BASED UPON FIELD CONDITIONS)

A	B	C	D
SIDEWALK CLOSED R9-9 24" X 12"	SIDEWALK CLOSED AHEAD R9-9A 30" X 18"	DETOUR M4-9BL 30"X24"	DETOUR M4-9BR 30"X24"

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	TEMPORARY PEDESTRIAN ACCOMODATIONS - STAGE 3B	SHEET 169	E

FILE NAME : N:\PDS\C3D\61803000\SHEETSPLAN\026001-PED.DWG
LAYOUT NAME - Stage 3B-1

PLOT DATE : 7/28/2025 1:18 PM PLOT BY : DANA, SHARON T PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

2

2

N

SPRUCE ST

CEDAR ST

LEFT TURN LANE CLOSED

WIS 21

WIS 116

RIGHT TURN LANE CLOSED

A

C

C

D

FOX RIVER

N

PEDESTRIAN BRIDGE

WEBSTER AVENUE

WEBSTER AVENUE

10+00

9+00

8+00

7+00

6+00

D

C

B

C

D

C

D

N LANE CLOSED

116

LEGEND

TEMPORARY PEDESTRIAN BARRICADE

SIGN ON TEMPORARY SUPPORT

ACCESSIBLE PEDESTRIAN PATH

STAGE 3B WORK AREA

TEMPORARY AUDIBLE MESSAGE DEVICE (EXACT PLACEMENT BASED UPON FIELD CONDITIONS)

A — SIDEWALK CLOSED — R9-9 24" X 12"

B — SIDEWALK CLOSED AHEAD — R9-9A 30" X 18"

C — DETOUR — M4-9BL 30"X24"

D — DETOUR — M4-9BR 30"X24"

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	TEMPORARY PEDESTRIAN ACCOMODATIONS - STAGE 3B	SHEET 170	E

FILE NAME : N:\PDS\C3D\61803000\SHEETSPLAN\026001-PED.DWG
LAYOUT NAME - Stage 3B-2

PLOT DATE : 7/28/2025 1:18 PM PLOT BY : DANA, SHARON T PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

2

2

SCOTT PARK DRIVE

STAGE 4:
CURB RAMP REPLACEMENT

WORK PERFORMED UNDER LANE CLOSURE VIA FLAGGING OPERATIONS

MAPLEWOOD ROAD (WEST)

21+00 22+00 23+00 24+00 25+00 26+00 27+00 28+00 29+00 30+00 31+00 32+00 33+00 34+00 35+00 36+00 37+00

QUINCY AVENUE

JACKSON AVENUE

VAN BUREN AVENUE

HARRISON AVENUE

N

MESSAGE FORMAT FOR TEMPORARY AUDIBLE MESSAGE DEVICES:
"ATTENTION [DIRECTION] [STREET NAME] PEDESTRIANS. SIDEWALK CLOSED AHEAD FOR [NUMBER] BLOCKS. ALTERNATE PATH ON OPPOSITE SIDE OF ROAD. CROSS TO THE OTHER SIDE AT [STREET NAME] INTERSECTION AND CONTINUE [NUMBER] BLOCKS."

OMREAU AVENUE

BECKWITH AVENUE

LINCOLN AVENUE

PERFORM WORK UNDER PARKING LANE CLOSURE

40+00 41+00 42+00 43+00 44+00 45+00 46+00 47+00 48+00 49+00 50+00 51+00 52+00 53+00 54+00 55+00

MCKINLEY AVENUE

STAGE 4:
CURB RAMP REPLACEMENT

N

LEGEND

- TEMPORARY PEDESTRIAN BARRICADE
- SIGN ON TEMPORARY SUPPORT
- ACCESSIBLE PEDESTRIAN PATH
- STAGE 4 WORK AREA
- TEMPORARY AUDIBLE MESSAGE DEVICE (EXACT PLACEMENT BASED UPON FIELD CONDITIONS)

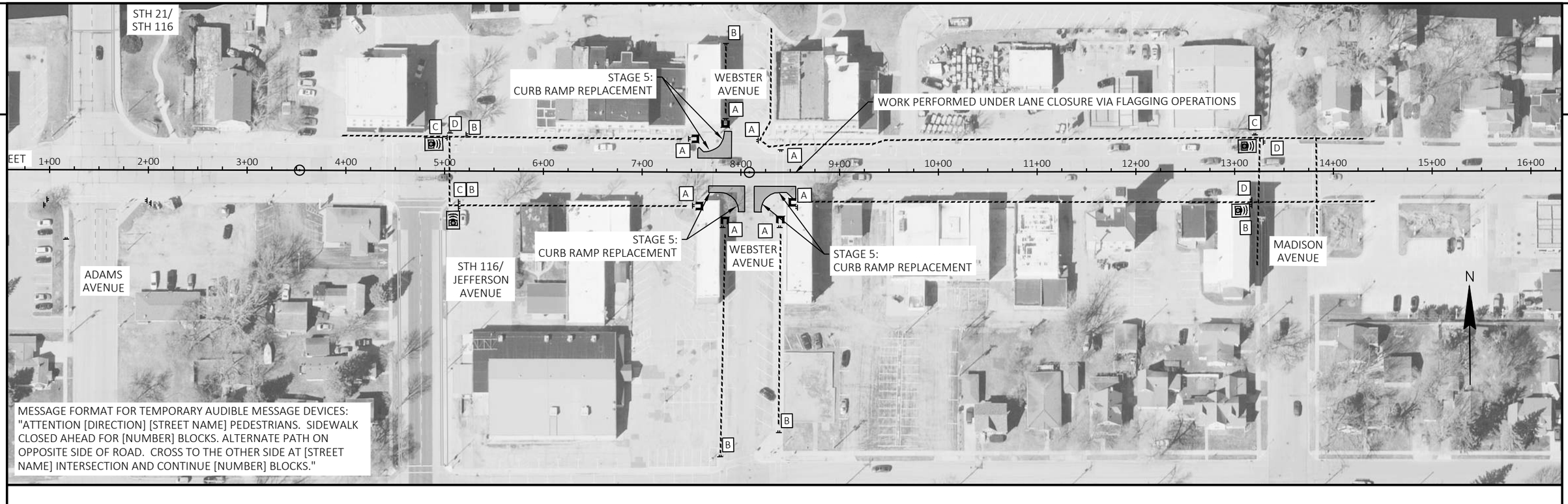
A	B	C	D
SIDEWALK CLOSED R9-9 24" X 12"	SIDEWALK CLOSED AHEAD R9-9A 30" X 18"	DETOUR M4-9BL 30"X24"	DETOUR M4-9BR 30"X24"

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	TEMPORARY PEDESTRIAN ACCOMODATIONS - STAGE 4	SHEET 171	E

FILE NAME : N:\PDS\C3D\61803000\SHEETSPLAN\026001-PED.DWG
LAYOUT NAME - Stage 4-1

PLOT DATE : 7/28/2025 10:18 AM PLOT BY : DANA, SHARON T PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44



LEGEND

TEMPORARY PEDESTRIAN BARRICADE

SIGN ON TEMPORARY SUPPORT

ACCESSIBLE PEDESTRIAN PATH

STAGE 5 WORK AREA

TEMPORARY AUDIBLE MESSAGE DEVICE (EXACT PLACEMENT BASED UPON FIELD CONDITIONS)

A — SIDEWALK CLOSED — R9-9 24" X 12"

B — SIDEWALK CLOSED AHEAD — R9-9A 30" X 18"

C — DETOUR — M4-9BL 30"X24"

D — DETOUR — M4-9BR 30"X24"

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	TEMPORARY PEDESTRIAN ACCOMODATIONS - STAGE 5	SHEET 172	E

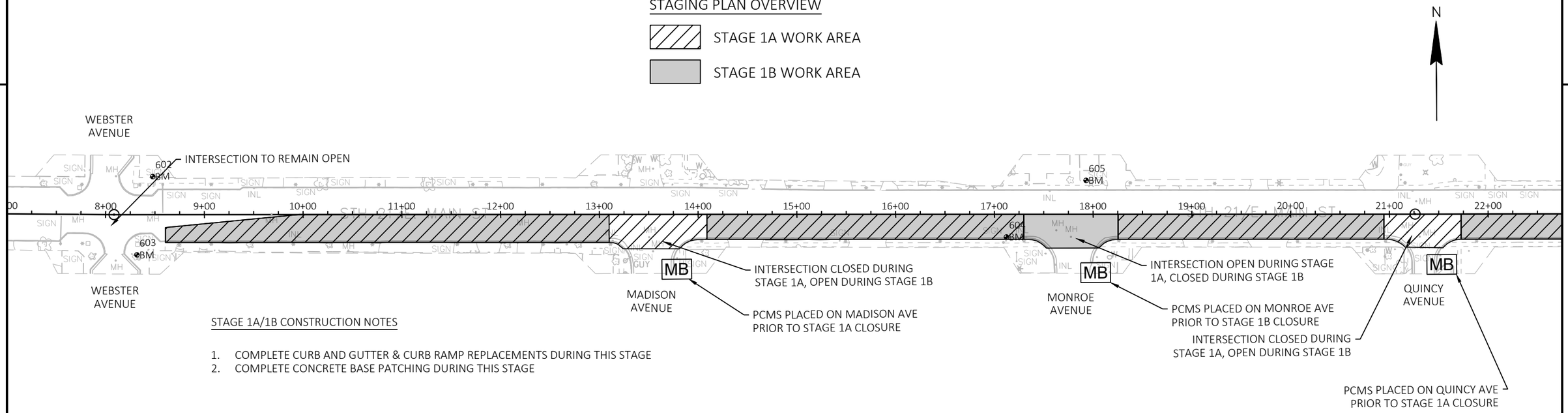
FILE NAME : N:\PDS\C3D\61803000\SHEETSPLAN\026001-PED.DWG
LAYOUT NAME - Stage 5-1
PLOT DATE : 7/28/2025 1:21 PM
PLOT BY : DANA, SHARON T
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44

2

STAGING PLAN OVERVIEW

STAGE 1A WORK AREA

STAGE 1B WORK AREA



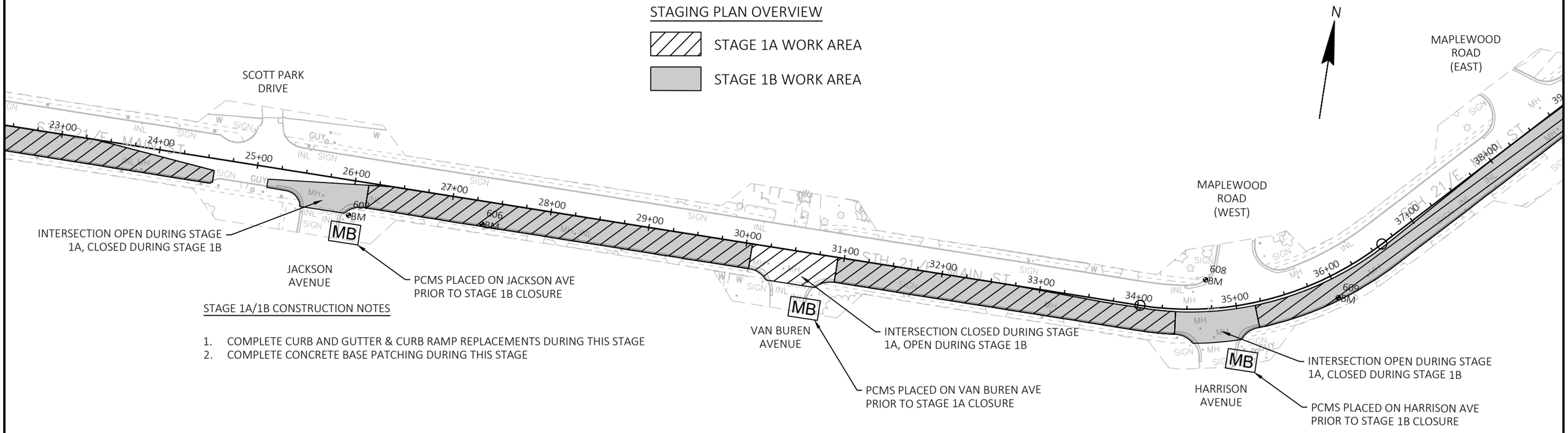
STAGE 1A/1B CONSTRUCTION NOTES

1. COMPLETE CURB AND GUTTER & CURB RAMP REPLACEMENTS DURING THIS STAGE
2. COMPLETE CONCRETE BASE PATCHING DURING THIS STAGE

STAGING PLAN OVERVIEW

STAGE 1A WORK AREA

STAGE 1B WORK AREA



STAGE 1A/1B CONSTRUCTION NOTES

1. COMPLETE CURB AND GUTTER & CURB RAMP REPLACEMENTS DURING THIS STAGE
2. COMPLETE CONCRETE BASE PATCHING DURING THIS STAGE

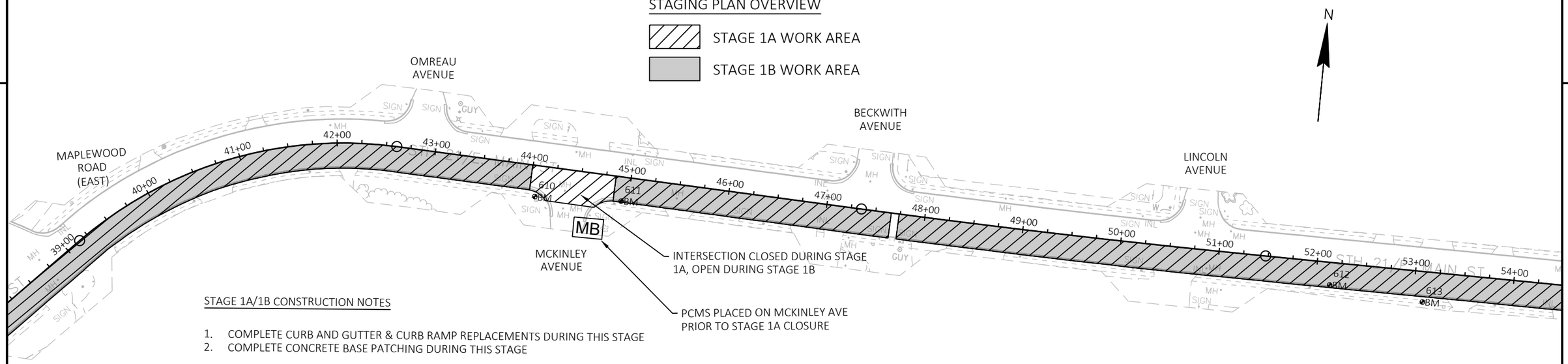
PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	STAGE 1 OVERVIEW	SHEET 173	E

2

STAGING PLAN OVERVIEW

STAGE 1A WORK AREA

STAGE 1B WORK AREA



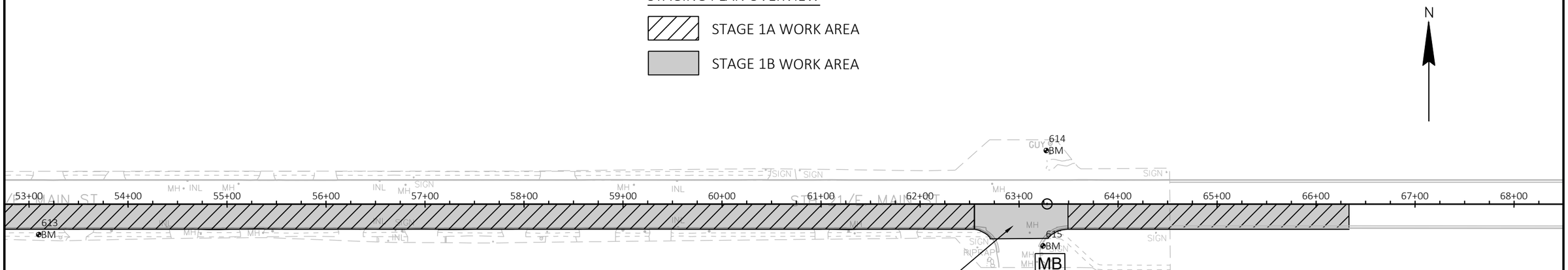
STAGE 1A/1B CONSTRUCTION NOTES

1. COMPLETE CURB AND GUTTER & CURB RAMP REPLACEMENTS DURING THIS STAGE
2. COMPLETE CONCRETE BASE PATCHING DURING THIS STAGE

STAGING PLAN OVERVIEW

STAGE 1A WORK AREA

STAGE 1B WORK AREA



STAGE 1A/1B CONSTRUCTION NOTES

1. COMPLETE CURB AND GUTTER & CURB RAMP REPLACEMENTS DURING THIS STAGE
2. COMPLETE CONCRETE BASE PATCHING DURING THIS STAGE

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	STAGE 1 OVERVIEW	SHEET 174	E

FILE NAME : N:\PDS\C3D\61803000\SHEETSPLAN\026001-S123456.DWG
LAYOUT NAME - Stage 1 - 2
PLOT DATE : 9/22/2025 9:50 AM
PLOT BY : DANKE, ERIC A
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44

2

LEGEND

- TYPE II / III BARRICADE
- TYPE II / III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF
- DIRECTION OF TRAFFIC

N

MARKING LINE REMOVAL 4-INCH

TEMPORARY MARKING LINE PAINT 6-INCH

WEBSTER AVENUE

PI: 8+08.49

602 BM

603 BM

12'

7+00

8+00

9+00

10+00

11+00

12+00

STH 21/E. MAIN ST

W01-4L

MAX. 11' WIDTH

W12-52

R11-2L 48" X 30"

LANE CLOSED

TYPE III BARRICADE

W06-3

PLACE WEST OF STH 116/JEFFERSON AVE

STAGE 1A WORK AREA

CONCRETE BASE PATCHING

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	TRAFFIC CONTROL - STAGE 1A	SHEET 175	E

FILE NAME : N:\PDS\C3D\61803000\SHEETSPLAN\026001-TC.DWG
LAYOUT NAME - Stage 1A - 2

PLOT DATE : 9/22/2025 9:50 AM PLOT BY : DANKE, ERIC A PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- TYPE II / III BARRICADE
- TYPE II / III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF
- DIRECTION OF TRAFFIC

N

TEMPORARY MARKING LINE PAINT 6-INCH

R3-1
24"X24"

R3-2
24"X24"

605
BM

12'
12'
11'
11'

13+00 14+00 15+00 16+00 17+00 18+00

R11-2
48" X 30"

ROAD CLOSED

TYPE III BARRICADE

MADISON AVENUE

ROAD CLOSED AHEAD
W20-3A

BEGIN RIGHT TURN LANE
R3-20R
24"X36"

BD4
BM

MONROE AVENUE

R11-2L
48" X 30"

LANE CLOSED

TYPE III BARRICADE

STOP
R1-1

COVERING SIGN TYPE II

STAGE 1A WORK AREA

CONCRETE BASE PATCHING

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	TRAFFIC CONTROL - STAGE 1A	SHEET 176	E

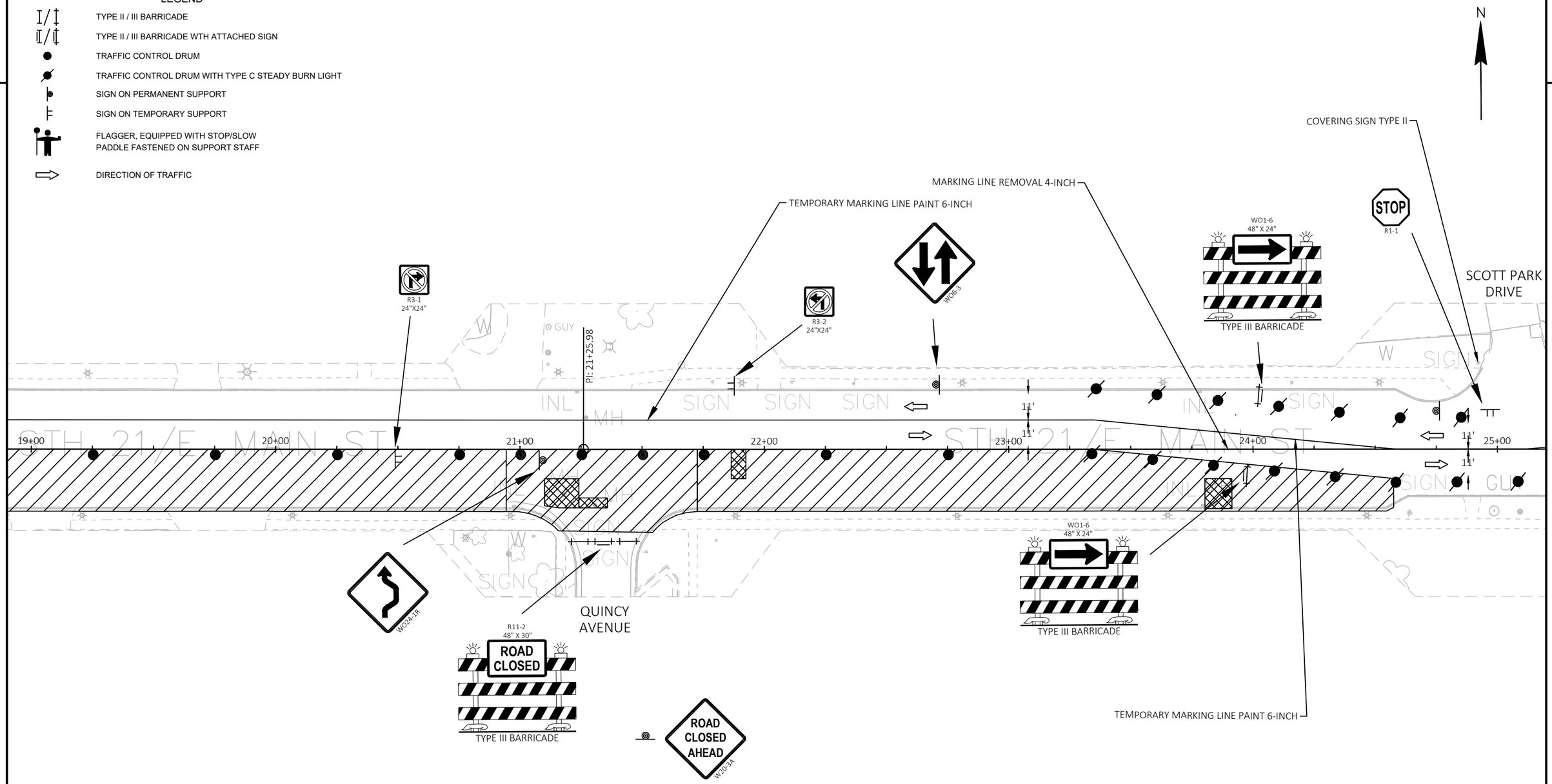
FILE NAME : N:\PDS\C3D\61803000\SHEETSPLAN\026001-TC.DWG
LAYOUT NAME - Stage 1A - 3

PLOT DATE : 9/22/2025 9:50 AM PLOT BY : DANKE, ERIC A PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

LEGEND

- TYPE II / III BARRICADE
- TYPE II / III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF
- DIRECTION OF TRAFFIC



STAGE 1A WORK AREA

CONCRETE BASE PATCHING

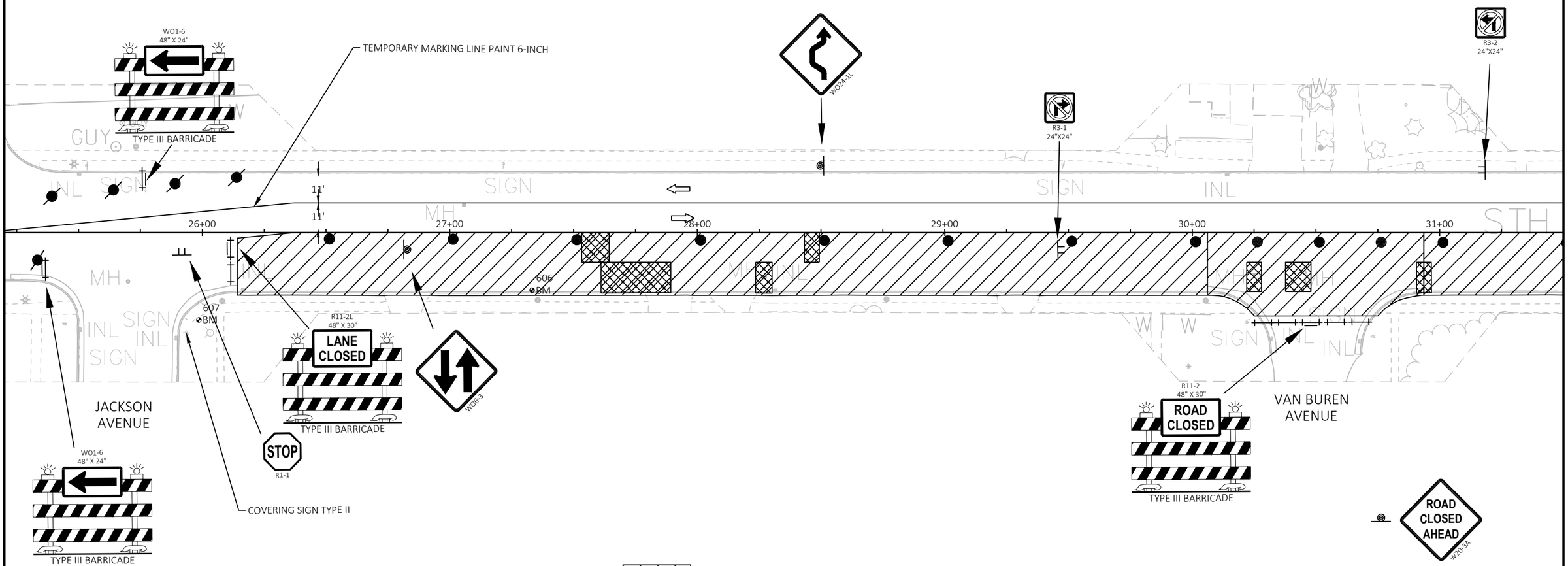
PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	TRAFFIC CONTROL - STAGE 1A	SHEET 177	E

2

LEGEND

- TYPE II / III BARRICADE
- TYPE II / III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF
- DIRECTION OF TRAFFIC

N



STAGE 1A WORK AREA

CONCRETE BASE PATCHING

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	TRAFFIC CONTROL - STAGE 1A	SHEET 178	E

FILE NAME : N:\PDS\C3D\61803000\SHEETSPLAN\026001-TC.DWG
LAYOUT NAME - Stage 1A - 5

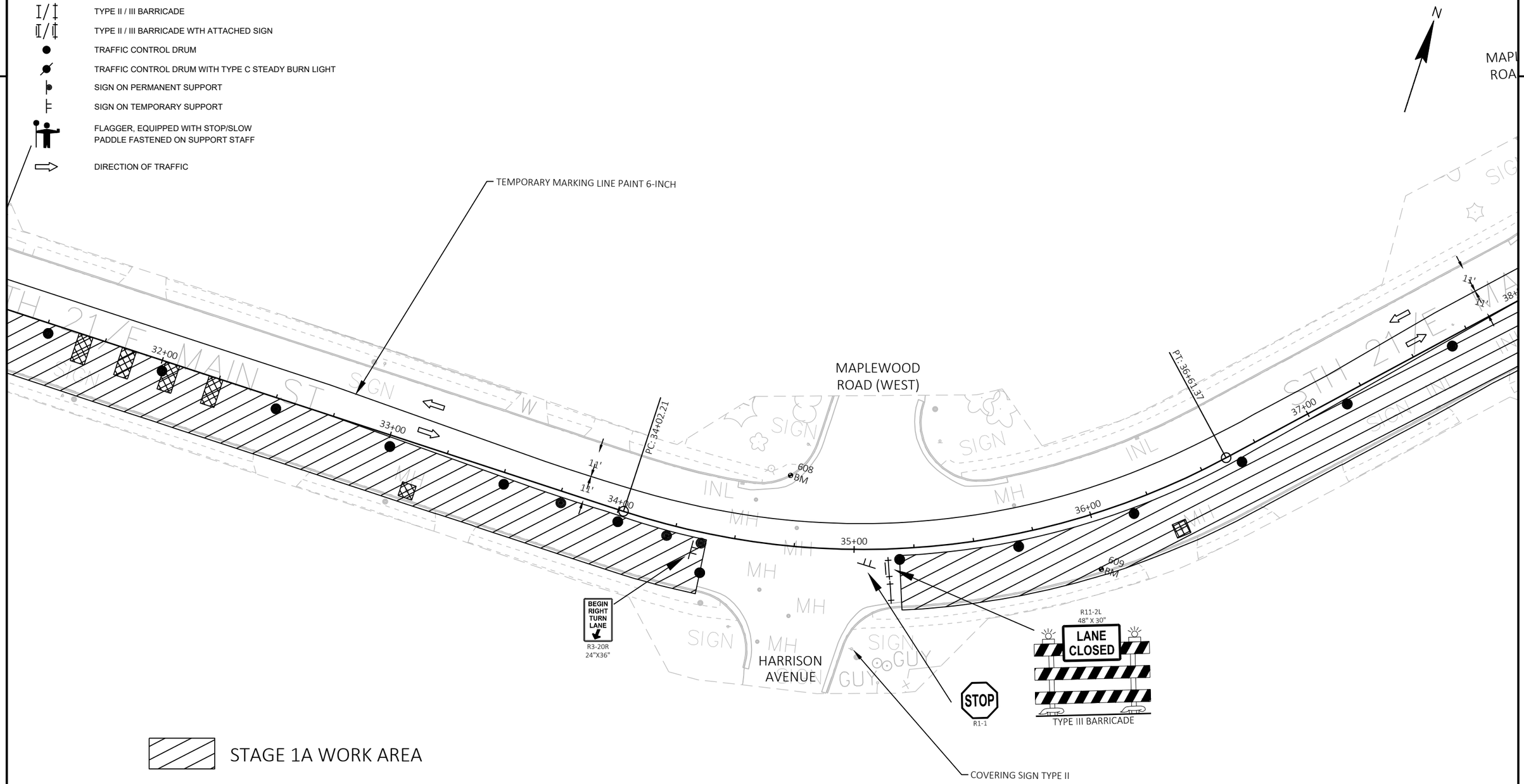
PLOT DATE : 9/22/2025 9:50 AM PLOT BY : DANKE, ERIC A PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- TYPE II / III BARRICADE
- TYPE II / III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF
- DIRECTION OF TRAFFIC



PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	TRAFFIC CONTROL - STAGE 1A	SHEET 179	E

FILE NAME : N:\PDS\C3D\61803000\SHEETSPLAN\026001-TC.DWG
LAYOUT NAME - Stage 1A - 6

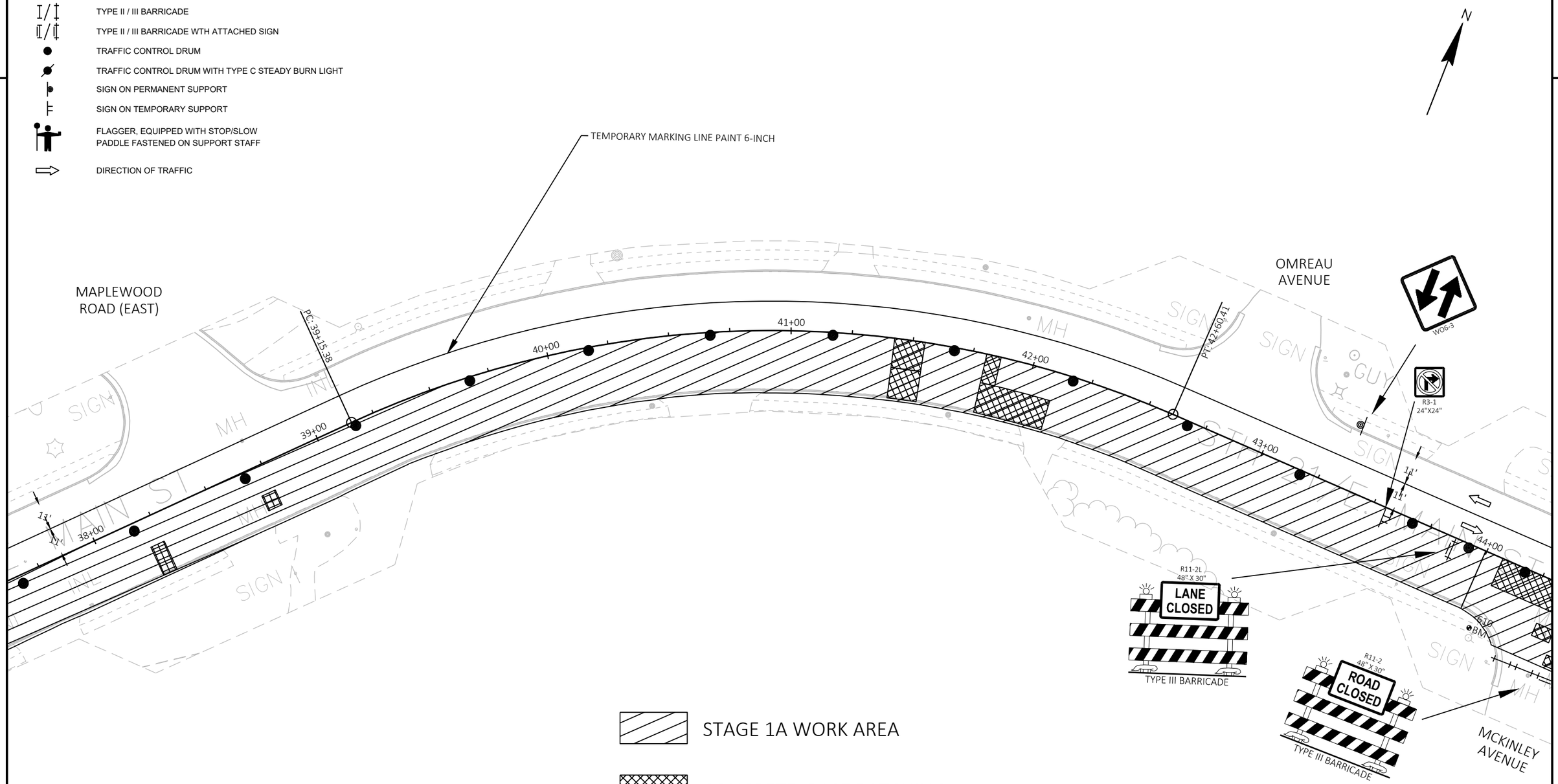
PLOT DATE : 9/22/2025 9:50 AM PLOT BY : DANKE, ERIC A PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- TYPE II / III BARRICADE
- TYPE II / III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF
- DIRECTION OF TRAFFIC



STAGE 1A WORK AREA

CONCRETE BASE PATCHING

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	TRAFFIC CONTROL - STAGE 1A	SHEET 180 E

FILE NAME : N:\PDS\C3D\61803000\SHEETSPLAN\026001-TC.DWG
LAYOUT NAME - Stage 1A - 7

PLOT DATE : 9/22/2025 9:50 AM PLOT BY : DANKE, ERIC A PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

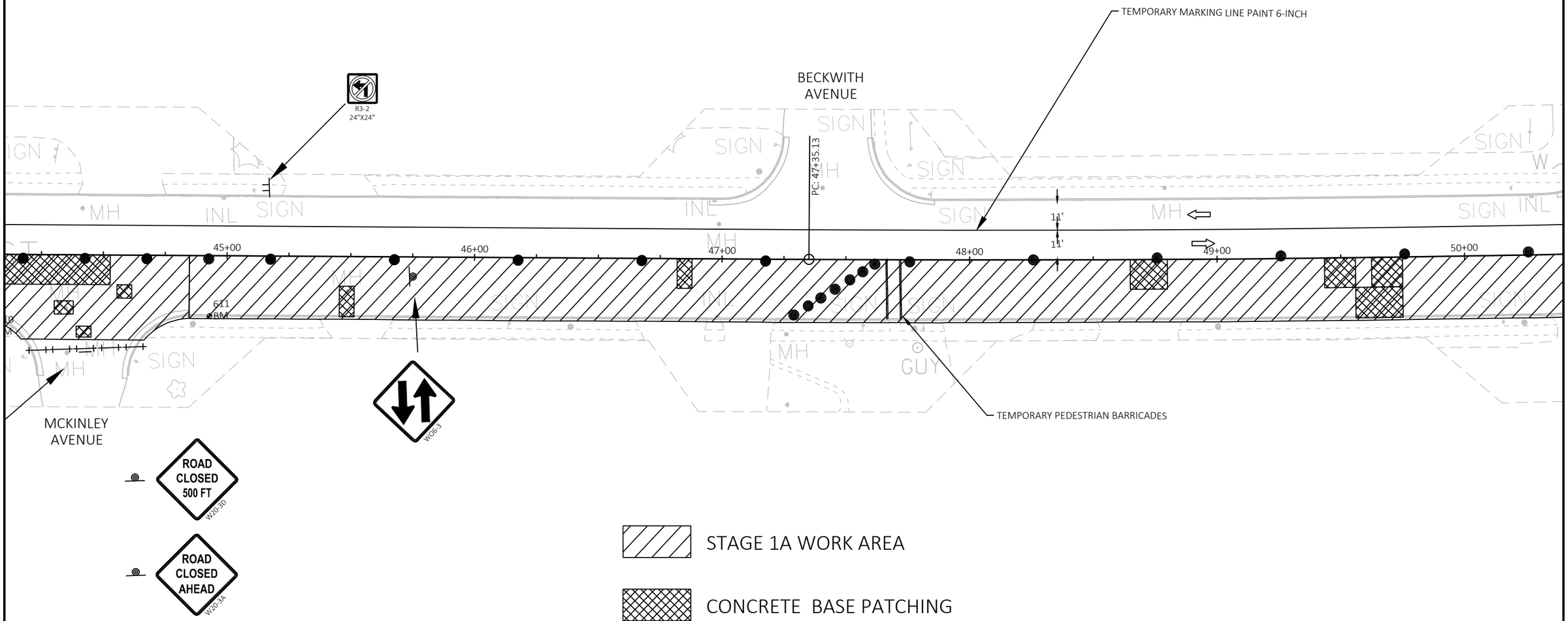
2

LEGEND

- TYPE II / III BARRICADE
- TYPE II / III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF
- DIRECTION OF TRAFFIC

N

2



PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	TRAFFIC CONTROL - STAGE 1A	SHEET 181	E

FILE NAME : N:\PDS\C3D\61803000\SHEETSPLAN\026001-TC.DWG
LAYOUT NAME - Stage 1A - 8

PLOT DATE : 9/22/2025 9:50 AM PLOT BY : DANKE, ERIC A PLOT NAME : PLOT SCALE : 1 IN:40 FT

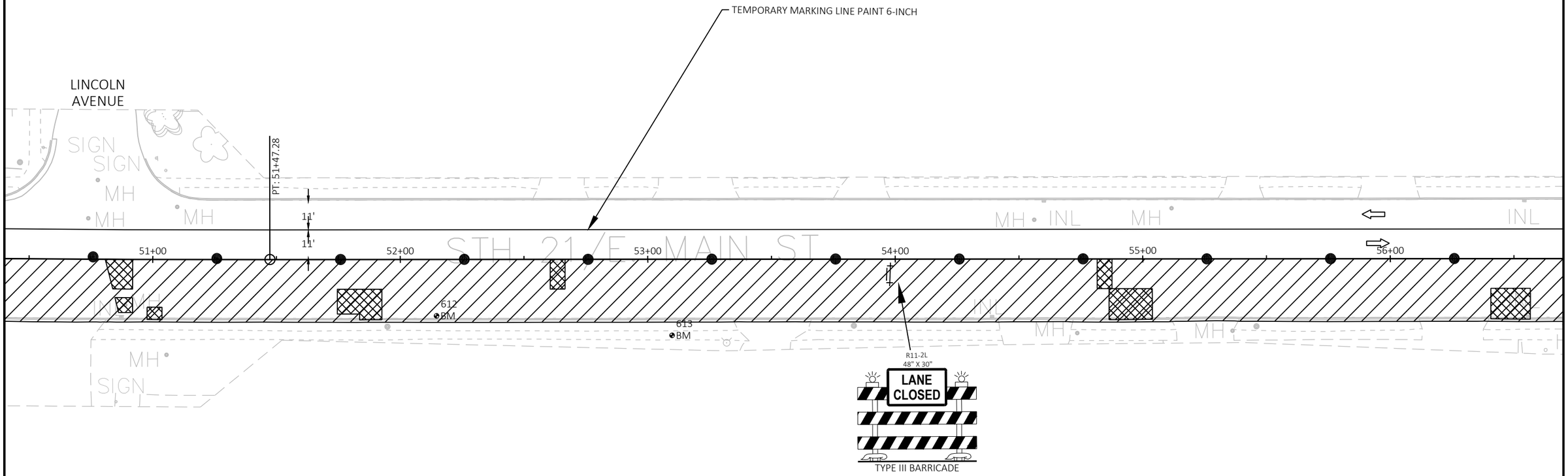
WISDOT/CADDS SHEET 42

2

LEGEND

- TYPE II / III BARRICADE
- TYPE II / III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF
- DIRECTION OF TRAFFIC

N



STAGE 1A WORK AREA

CONCRETE BASE PATCHING

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	TRAFFIC CONTROL - STAGE 1A	SHEET 182	E

FILE NAME : N:\PDS\C3D\61803000\SHEETSPLAN\026001-TC.DWG
LAYOUT NAME - Stage 1A - 9

PLOT DATE : 9/22/2025 9:50 AM PLOT BY : DANKE, ERIC A PLOT NAME : PLOT SCALE : 1 IN:40 FT

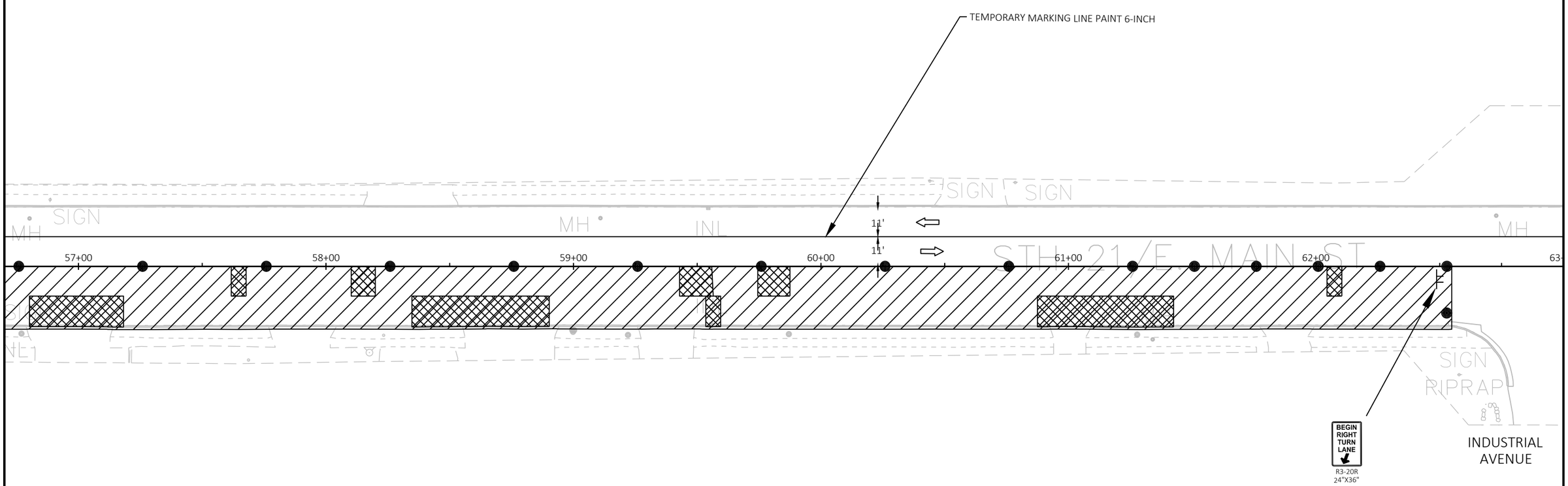
WISDOT/CADDS SHEET 42

2

LEGEND

- TYPE II / III BARRICADE
- TYPE II / III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF
- DIRECTION OF TRAFFIC

N



STAGE 1A WORK AREA

CONCRETE BASE PATCHING

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	TRAFFIC CONTROL - STAGE 1A	SHEET 183	E

FILE NAME : N:\PDS\C3D\61803000\SHEETSPLAN\026001-TC.DWG
LAYOUT NAME - Stage 1A - 10

PLOT DATE : 9/22/2025 9:50 AM PLOT BY : DANKE, ERIC A PLOT NAME : PLOT SCALE : 1 IN:40 FT

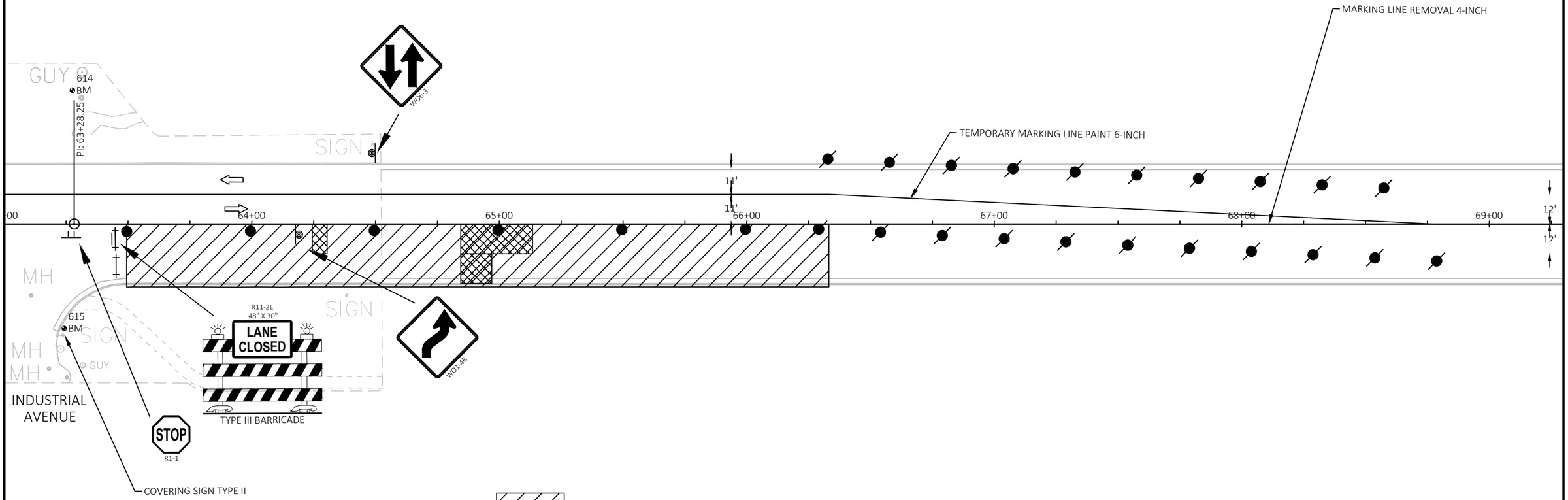
WISDOT/CADDS SHEET 42

2

LEGEND

- TYPE II / III BARRICADE
- TYPE II / III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF
- DIRECTION OF TRAFFIC

N



STAGE 1A WORK AREA

CONCRETE BASE PATCHING

2

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	TRAFFIC CONTROL - STAGE 1A	SHEET 184	E

FILE NAME : N:\PDS\C3D\61803000\SHEETSPLAN\026001-TC.DWG
LAYOUT NAME - Stage 1A - 11

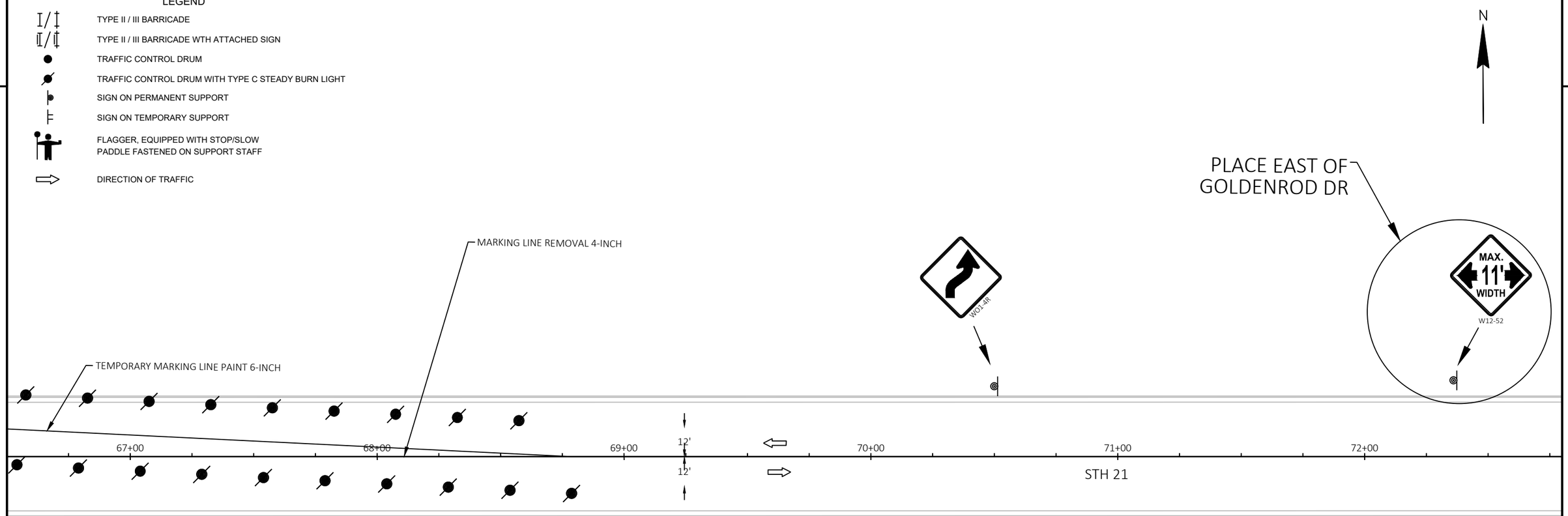
PLOT DATE : 9/22/2025 9:50 AM PLOT BY : DANKE, ERIC A PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- TYPE II / III BARRICADE
- TYPE II / III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF
- DIRECTION OF TRAFFIC



STAGE 1A WORK AREA

CONCRETE BASE PATCHING

2

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	TRAFFIC CONTROL - STAGE 1A	SHEET 185	E

FILE NAME : N:\PDS\C3D\61803000\SHEETSPLAN\026001-TC.DWG
LAYOUT NAME - Stage 1A - 12

PLOT DATE : 9/22/2025 9:50 AM PLOT BY : DANKE, ERIC A PLOT NAME : PLOT SCALE : 1 IN:40 FT

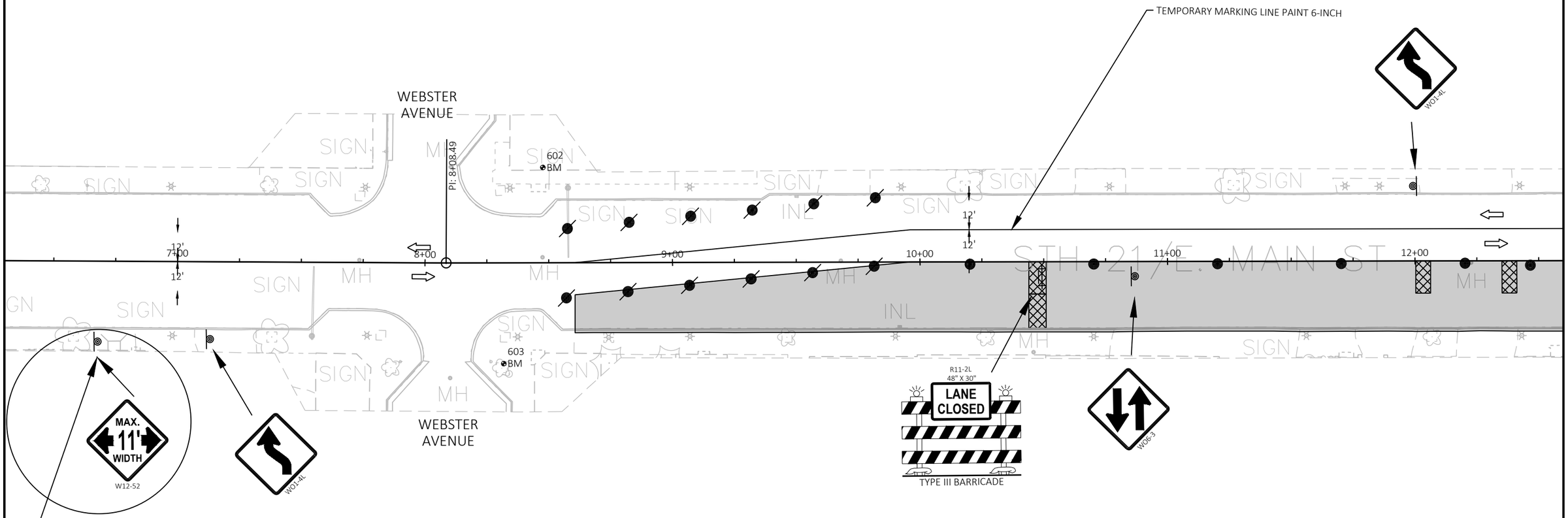
WISDOT/CADDS SHEET 42

2

LEGEND

- TYPE II / III BARRICADE
- TYPE II / III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF
- DIRECTION OF TRAFFIC

N



STAGE 1B WORK AREA

CONCRETE BASE PATCHING

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	TRAFFIC CONTROL - STAGE 1B	SHEET 186	E

FILE NAME : N:\PDS\C3D\61803000\SHEETSPLAN\026001-TC.DWG
LAYOUT NAME - Stage 1B - 2

PLOT DATE : 9/22/2025 9:51 AM PLOT BY : DANKE, ERIC A PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- TYPE II / III BARRICADE
- TYPE II / III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF
- DIRECTION OF TRAFFIC

N

TEMPORARY MARKING LINE PAINT 6-INCH

R3-1
24"X24"

R3-2
24"X24"

605
BM

604
BM

12'
12'
11'
11'

13+00 14+00 15+00 16+00 17+00 18+00

BEGIN RIGHT TURN LANE
R3-20R
24"X36"

MADISON AVENUE

STOP
R1-1

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

COVERING SIGN TYPE II

MONROE AVENUE

R11-2
48" X 30"
ROAD CLOSED
TYPE III BARRICADE

ROAD CLOSED AHEAD
W20-3A

STAGE 1B WORK AREA

CONCRETE BASE PATCHING

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	TRAFFIC CONTROL - STAGE 1B	SHEET 187	E

FILE NAME : N:\PDS\C3D\61803000\SHEETSPLAN\026001-TC.DWG
LAYOUT NAME - Stage 1B - 3

PLOT DATE : 9/22/2025 9:51 AM PLOT BY : DANKE, ERIC A PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- TYPE II / III BARRICADE
- TYPE II / III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF
- DIRECTION OF TRAFFIC

N

TEMPORARY MARKING LINE PAINT 6-INCH

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

WO6-3

WO1-6
48" X 24"
TYPE III BARRICADE

COVERED FROM STAGE 1A

STOP
R1-1

SCOTT PARK DRIVE

PI: 21+25.98

STH 21/E. MAIN ST

19+00 20+00 21+00 22+00 23+00 24+00 25+00

11' 11' 11' 11'

BEGIN RIGHT TURN LANE
R3-20R
24"X36"

QUINCY AVENUE

WO24-1R

STOP
R1-1
COVERING SIGN TYPE II

WO1-6
48" X 24"
TYPE III BARRICADE

R3-1
24"X24"

STAGE 1B WORK AREA

CONCRETE BASE PATCHING

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	TRAFFIC CONTROL - STAGE 1B	SHEET 188	E

FILE NAME : N:\PDS\C3D\61803000\SHEETSPLAN\026001-TC.DWG
LAYOUT NAME - Stage 1B - 4

PLOT DATE : 9/22/2025 9:51 AM PLOT BY : DANKE, ERIC A PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- TYPE II / III BARRICADE
- TYPE II / III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF
- DIRECTION OF TRAFFIC

N

2

TEMPORARY MARKING LINE PAINT 6-INCH

WO1-6
48" X 24"
TYPE III BARRICADE

R3-2
24"X24"

WO24-1L

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

11'
11'

26+00 27+00 28+00 29+00 30+00 31+00

606
BM

607
BM

WO1-6
48" X 24"
TYPE III BARRICADE

WO16-3

JACKSON AVENUE

R11-2
48" X 30"
ROAD CLOSED
TYPE III BARRICADE

ROAD CLOSED AHEAD
W20-3A

BEGIN RIGHT TURN LANE
R3-20R
24"X36"

VAN BUREN AVENUE

STOP
R1-1

COVERING SIGN TYPE II

STAGE 1B WORK AREA

CONCRETE BASE PATCHING

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	TRAFFIC CONTROL - STAGE 1B	SHEET 189	E

FILE NAME : N:\PDS\C3D\61803000\SHEETSPLAN\026001-TC.DWG
LAYOUT NAME - Stage 1B - 5

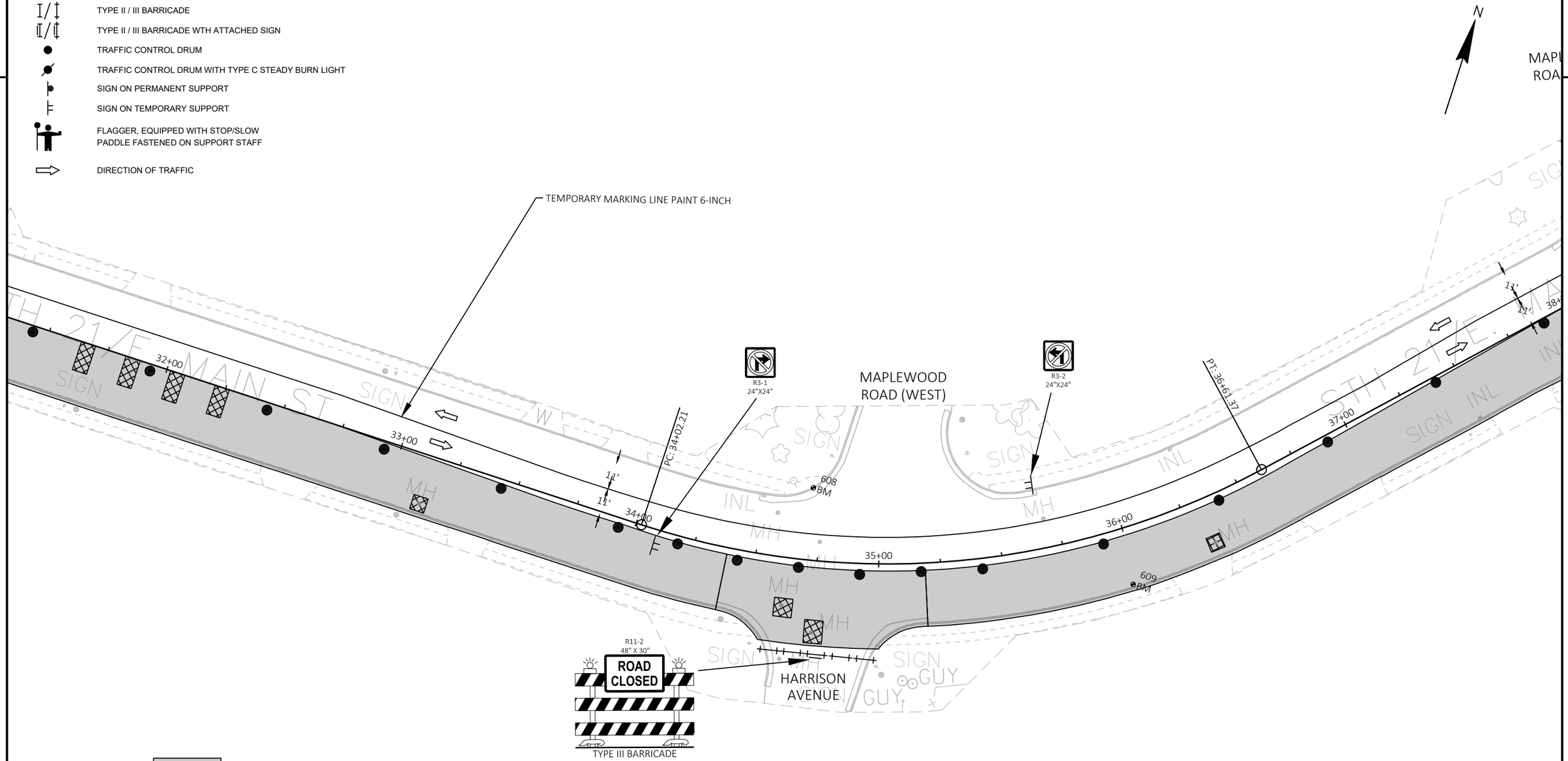
PLOT DATE : 9/22/2025 9:51 AM PLOT BY : DANKE, ERIC A PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- TYPE II / III BARRICADE
- TYPE II / III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF
- DIRECTION OF TRAFFIC



PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	TRAFFIC CONTROL - STAGE 1B	SHEET 190	E

FILE NAME : N:\PDS\C3D\61803000\SHEETSPLAN\026001-TC.DWG
LAYOUT NAME - Stage 1B - 6

PLOT DATE : 9/22/2025 9:51 AM PLOT BY : DANKE, ERIC A PLOT NAME : PLOT SCALE : 1 IN:40 FT

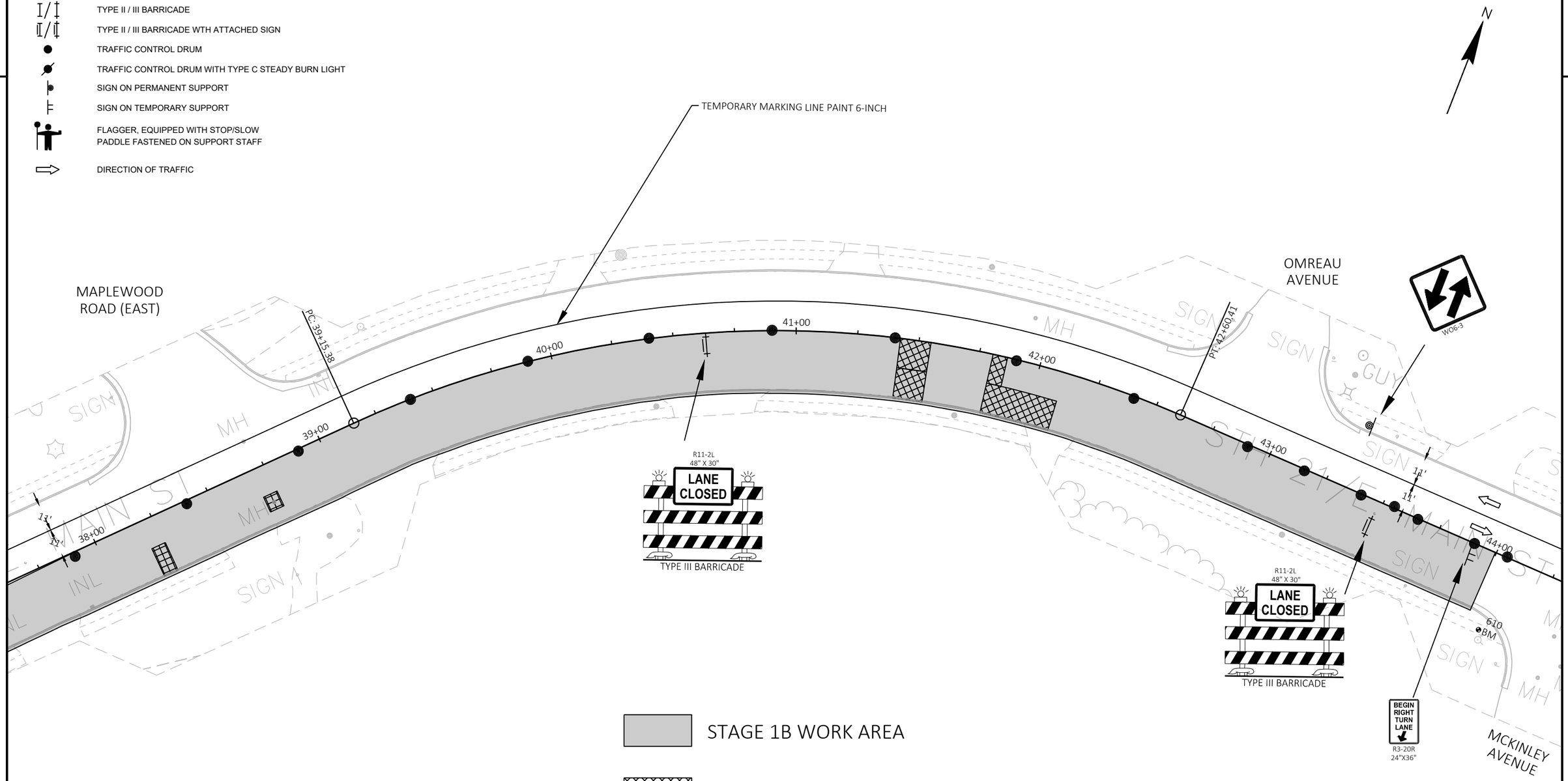
WISDOT/CADDS SHEET 42

2

2

LEGEND

- TYPE II / III BARRICADE
- TYPE II / III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF
- DIRECTION OF TRAFFIC



STAGE 1B WORK AREA

CONCRETE BASE PATCHING

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	TRAFFIC CONTROL - STAGE 1B	SHEET 191	E

FILE NAME : N:\PDS\C3D\61803000\SHEETSPLAN\026001-TC.DWG
LAYOUT NAME - Stage 1B - 7

PLOT DATE : 9/22/2025 9:51 AM PLOT BY : DANKE, ERIC A PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

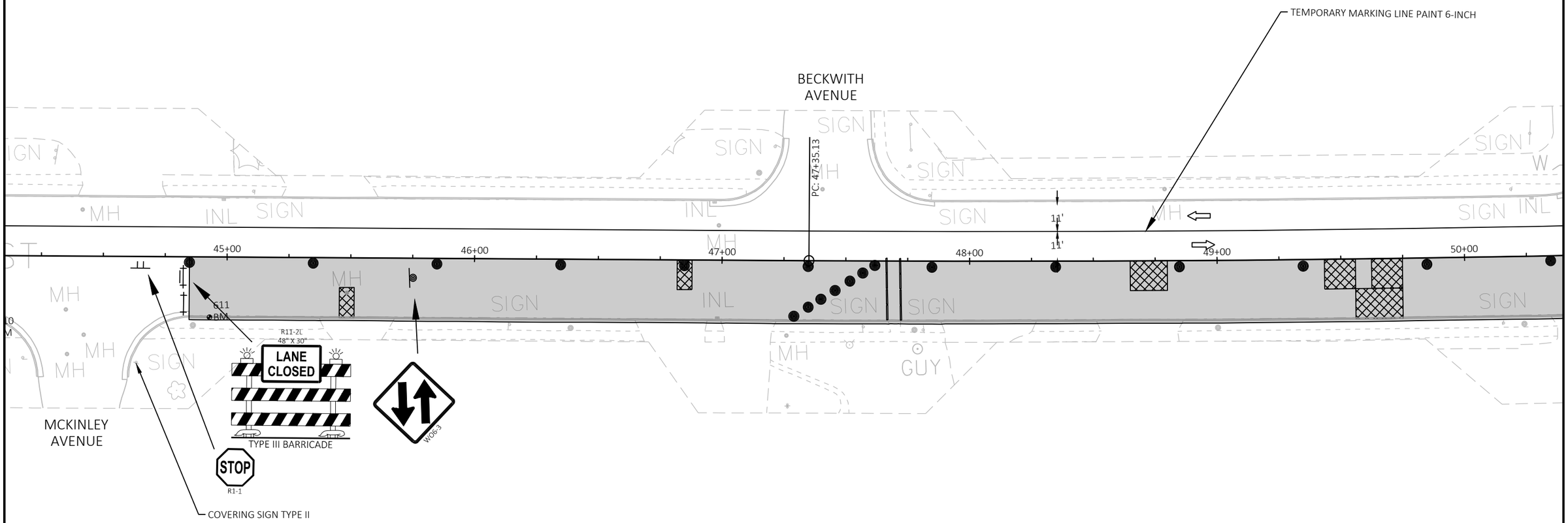
2

LEGEND

- TYPE II / III BARRICADE
- TYPE II / III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF
- DIRECTION OF TRAFFIC

N

2



STAGE 1B WORK AREA

CONCRETE BASE PATCHING

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	TRAFFIC CONTROL - STAGE 1B	SHEET 192	E

FILE NAME : N:\PDS\C3D\61803000\SHEETSPLAN\026001-TC.DWG
LAYOUT NAME - Stage 1B - 8

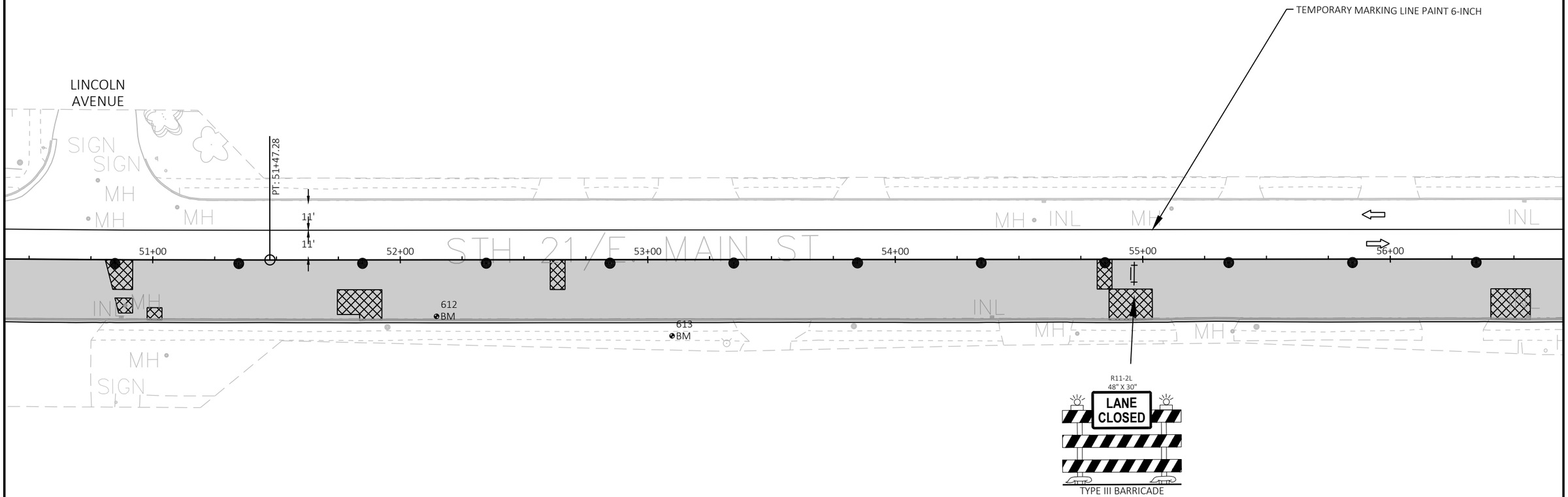
PLOT DATE : 9/22/2025 9:51 AM PLOT BY : DANKE, ERIC A PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

LEGEND

- TYPE II / III BARRICADE
- TYPE II / III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF
- DIRECTION OF TRAFFIC

N



STAGE 1B WORK AREA

CONCRETE BASE PATCHING

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	TRAFFIC CONTROL - STAGE 1B	SHEET 193	E

FILE NAME : N:\PDS\C3D\61803000\SHEETSPLAN\026001-TC.DWG
LAYOUT NAME - Stage 1B - 9

PLOT DATE : 9/22/2025 9:51 AM PLOT BY : DANKE, ERIC A PLOT NAME : PLOT SCALE : 1 IN:40 FT

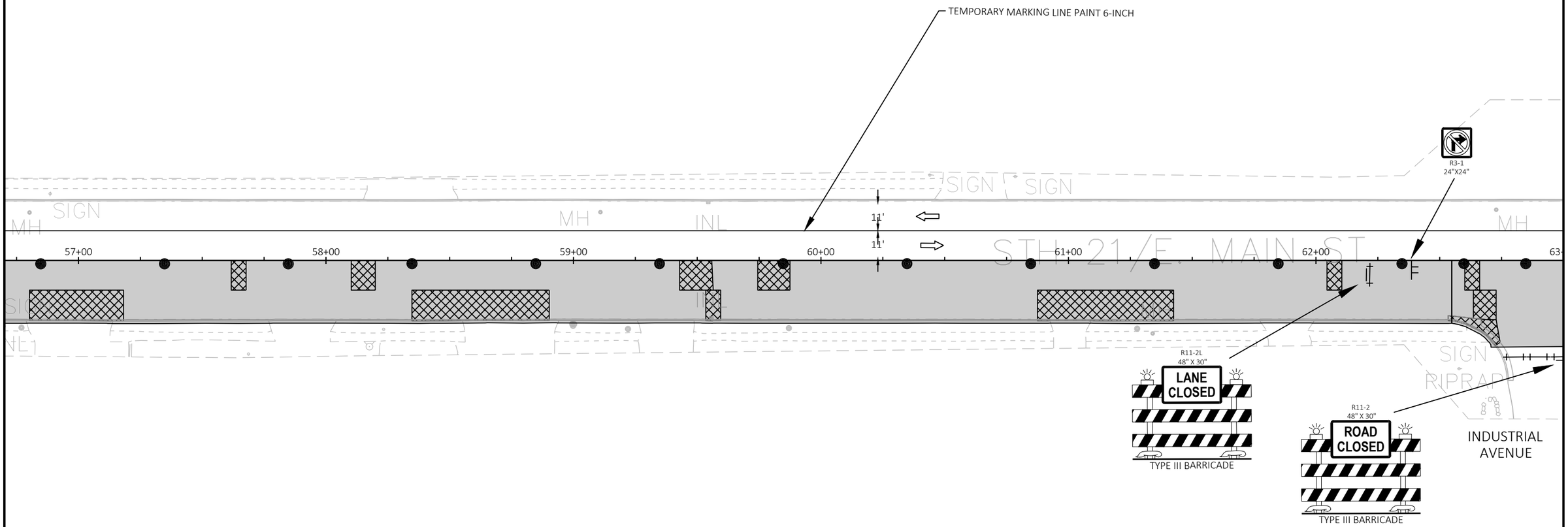
WISDOT/CADDS SHEET 42

2

LEGEND

- TYPE II / III BARRICADE
- TYPE II / III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF
- DIRECTION OF TRAFFIC

N



STAGE 1B WORK AREA

CONCRETE BASE PATCHING

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	TRAFFIC CONTROL - STAGE 1B	SHEET 194	E

FILE NAME : N:\PDS\C3D\61803000\SHEETSPLAN\026001-TC.DWG
LAYOUT NAME - Stage 1B - 10

PLOT DATE : 9/22/2025 9:51 AM PLOT BY : DANKE, ERIC A PLOT NAME : PLOT SCALE : 1 IN:40 FT

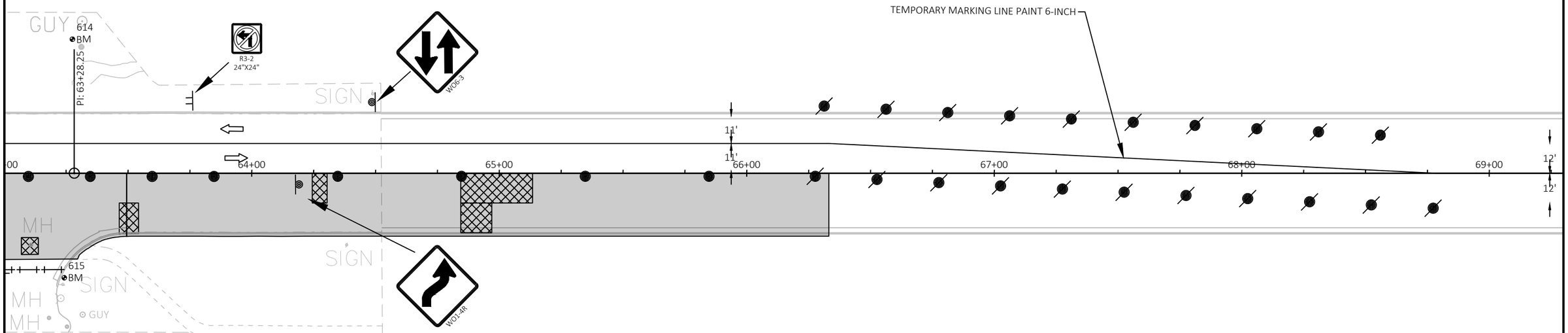
WISDOT/CADDS SHEET 42

2

LEGEND

- TYPE II / III BARRICADE
- TYPE II / III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF
- DIRECTION OF TRAFFIC

N





STAGE 1B WORK AREA

CONCRETE BASE PATCHING

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	TRAFFIC CONTROL - STAGE 1B	SHEET 195	E

FILE NAME : N:\PDS\C3D\61803000\SHEETSPLAN\026001-TC.DWG
LAYOUT NAME - Stage 1B - 11

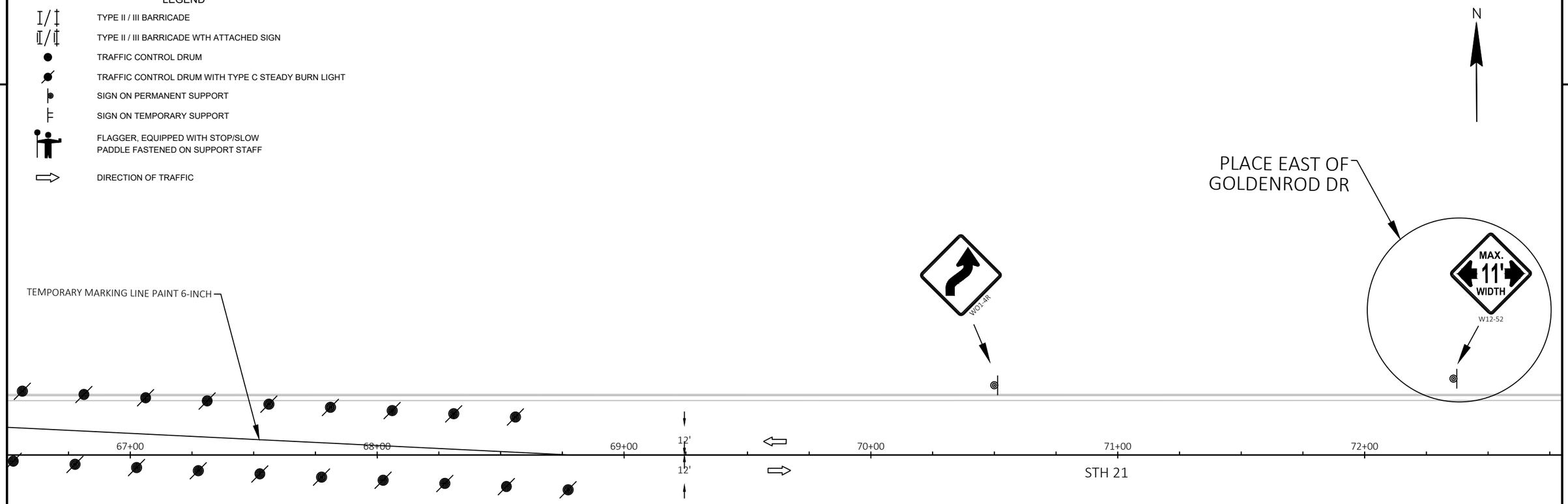
PLOT DATE : 9/22/2025 9:51 AM PLOT BY : DANKE, ERIC A PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- TYPE II / III BARRICADE
- TYPE II / III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF
- DIRECTION OF TRAFFIC



STAGE 1B WORK AREA

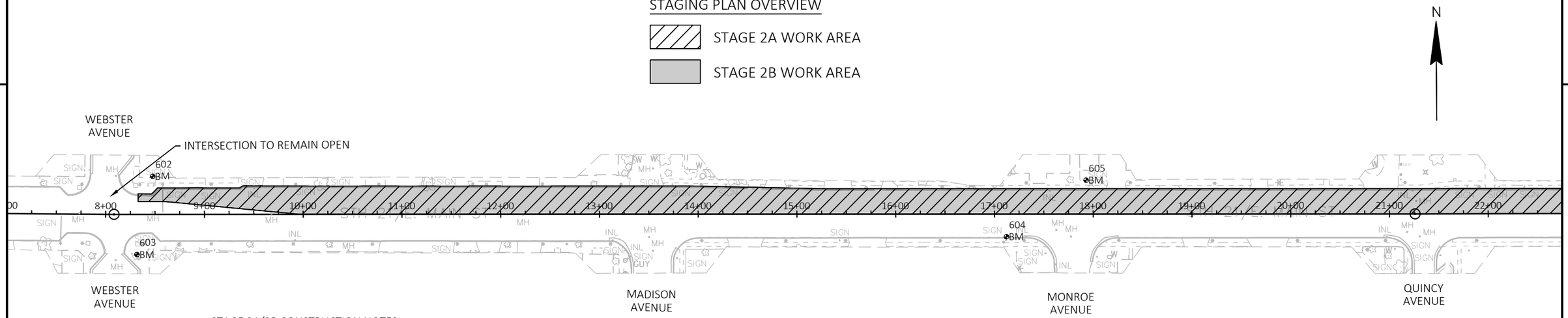
CONCRETE BASE PATCHING

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	TRAFFIC CONTROL - STAGE 1B	SHEET 196	E

STAGING PLAN OVERVIEW

STAGE 2A WORK AREA

STAGE 2B WORK AREA



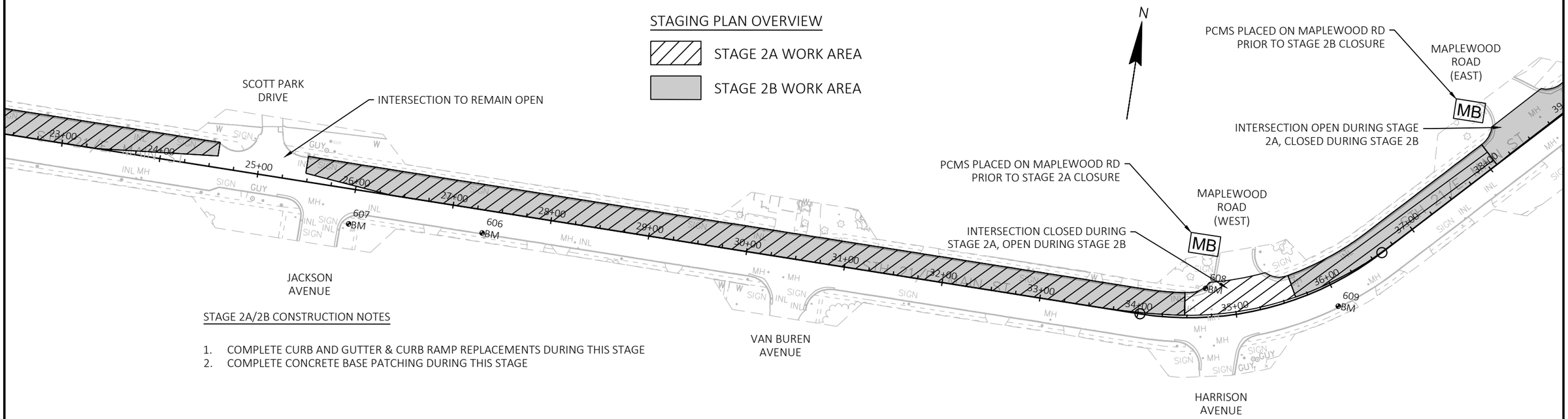
STAGE 2A/2B CONSTRUCTION NOTES

1. COMPLETE CURB AND GUTTER & CURB RAMP REPLACEMENTS DURING THIS STAGE
2. COMPLETE CONCRETE BASE PATCHING DURING THIS STAGE

STAGING PLAN OVERVIEW

STAGE 2A WORK AREA

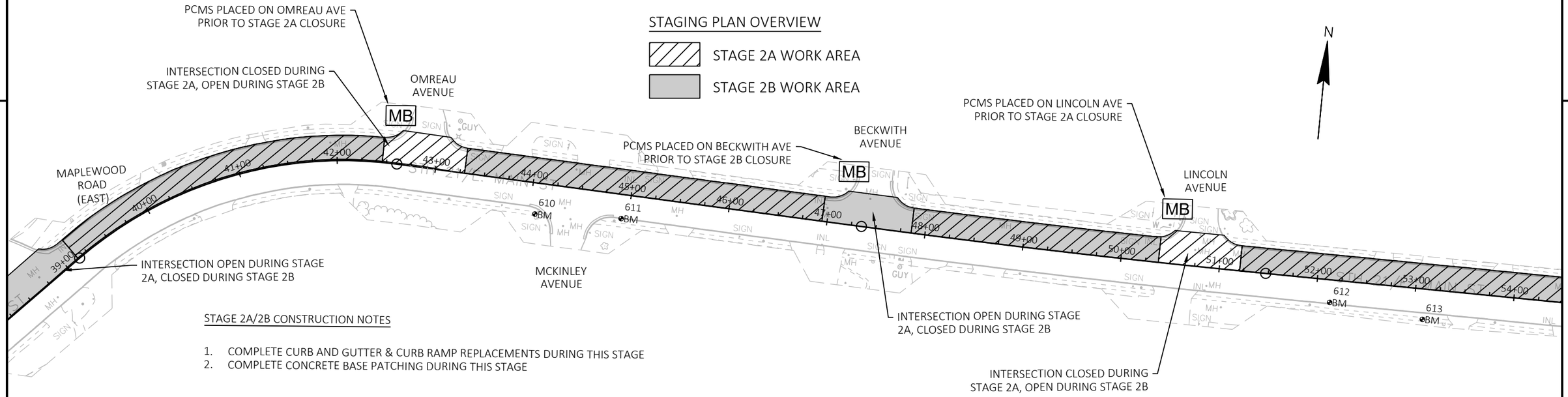
STAGE 2B WORK AREA



STAGE 2A/2B CONSTRUCTION NOTES

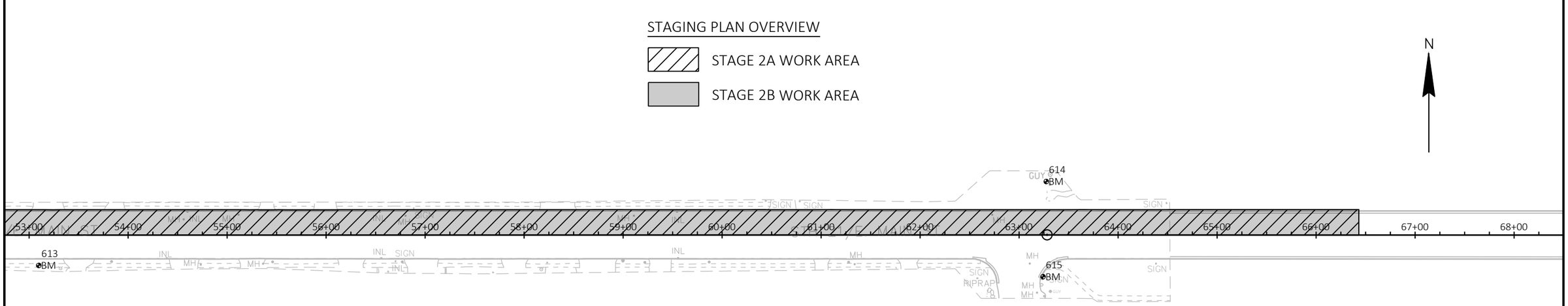
1. COMPLETE CURB AND GUTTER & CURB RAMP REPLACEMENTS DURING THIS STAGE
2. COMPLETE CONCRETE BASE PATCHING DURING THIS STAGE

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	STAGE 2 OVERVIEW	SHEET 197	E



STAGE 2A/2B CONSTRUCTION NOTES

1. COMPLETE CURB AND GUTTER & CURB RAMP REPLACEMENTS DURING THIS STAGE
2. COMPLETE CONCRETE BASE PATCHING DURING THIS STAGE



STAGE 2A/2B CONSTRUCTION NOTES

1. COMPLETE CURB AND GUTTER & CURB RAMP REPLACEMENTS DURING THIS STAGE
2. COMPLETE CONCRETE BASE PATCHING DURING THIS STAGE

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	STAGE 2 OVERVIEW	SHEET 198	E

FILE NAME : N:\PDS\C3D\61803000\SHEETSPLAN\026001-S123456.DWG
LAYOUT NAME - Stage 2 - 2
PLOT DATE : 9/22/2025 9:51 AM
PLOT BY : DANKE, ERIC A
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44

2

LEGEND

- TYPE II / III BARRICADE
- TYPE II / III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF
- DIRECTION OF TRAFFIC

N

2

WEBSTER AVENUE

PI: 8+08.49

602 BM

603 BM

7+00 8+00 9+00 10+00 11+00 12+00

12' 12' 12' 12'

STH 21/E. MAIN ST

W01-4R

MAX. 11' WIDTH

W12-52

PLACE WEST OF STH 116/JEFFERSON AVE

TEMPORARY MARKING LINE PAINT 6-INCH

W06-3

STAGE 2A WORK AREA

CONCRETE BASE PATCHING

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	TRAFFIC CONTROL - STAGE 2A	SHEET 199	E

FILE NAME : N:\PDS\C3D\61803000\SHEETSPLAN\026001-TC.DWG
LAYOUT NAME - Stage 2A - 2

PLOT DATE : 9/22/2025 9:52 AM PLOT BY : DANKE, ERIC A PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- TYPE II / III BARRICADE
- TYPE II / III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF
- DIRECTION OF TRAFFIC

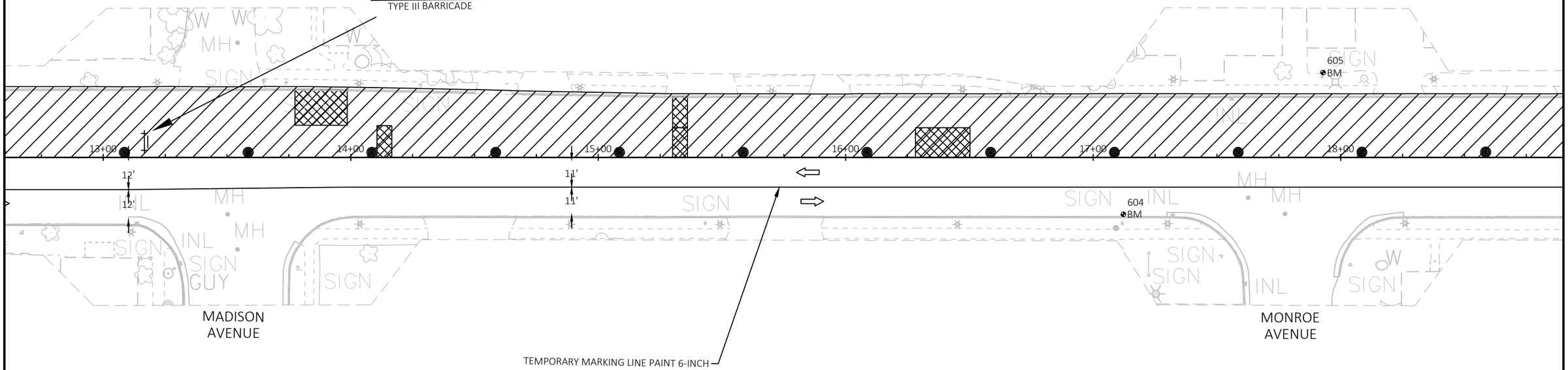
N

2

R11-2L
48" X 30"



TYPE III BARRICADE



STAGE 2A WORK AREA

CONCRETE BASE PATCHING

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	TRAFFIC CONTROL - STAGE 2A	SHEET 200	E

FILE NAME : N:\PDS\C3D\61803000\SHEETSPLAN\026001-TC.DWG
LAYOUT NAME - Stage 2A - 3

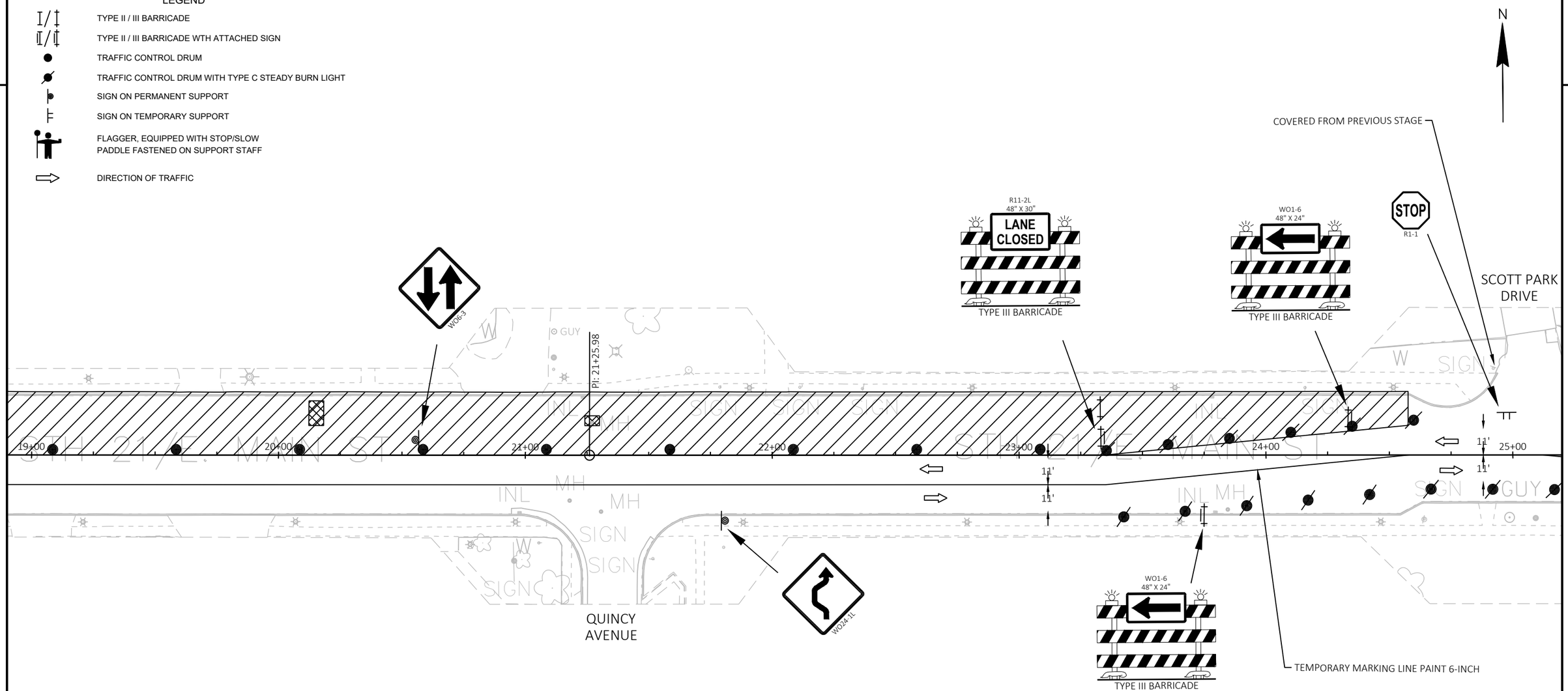
PLOT DATE : 9/22/2025 9:52 AM PLOT BY : DANKE, ERIC A PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- TYPE II / III BARRICADE
- TYPE II / III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF
- DIRECTION OF TRAFFIC



STAGE 2A WORK AREA

CONCRETE BASE PATCHING

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	TRAFFIC CONTROL - STAGE 2A	SHEET 201	E

FILE NAME : N:\PDS\C3D\61803000\SHEETSPLAN\026001-TC.DWG
LAYOUT NAME - Stage 2A - 4

PLOT DATE : 9/22/2025 9:52 AM PLOT BY : DANKE, ERIC A PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- TYPE II / III BARRICADE
- TYPE II / III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF
- DIRECTION OF TRAFFIC

N

2

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

WO1-6
48" X 24"
TYPE III BARRICADE

WO24-1R

26+00 27+00 28+00 29+00 30+00 31+00

11'
11'

606
BM

607
BM

JACKSON AVENUE

VAN BUREN AVENUE

TEMPORARY MARKING LINE PAINT 6-INCH

WO1-6
48" X 24"
TYPE III BARRICADE

WO6-3

STAGE 2A WORK AREA

CONCRETE BASE PATCHING

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	TRAFFIC CONTROL - STAGE 2A	SHEET 202	E

FILE NAME : N:\PDS\C3D\61803000\SHEETSPLAN\026001-TC.DWG
LAYOUT NAME - Stage 2A - 5

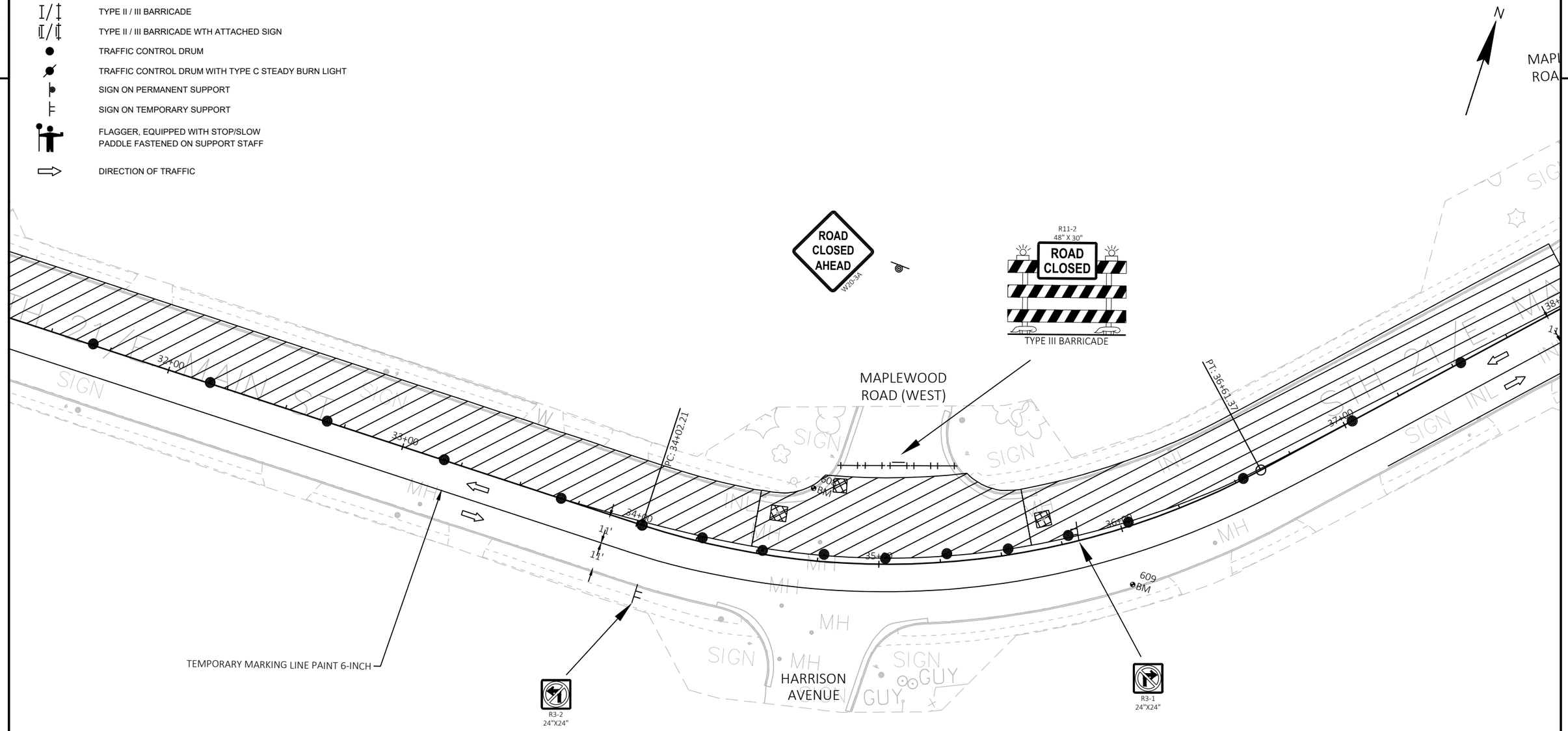
PLOT DATE : 9/22/2025 9:52 AM PLOT BY : DANKE, ERIC A PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- TYPE II / III BARRICADE
- TYPE II / III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF
- DIRECTION OF TRAFFIC



STAGE 2A WORK AREA

CONCRETE BASE PATCHING

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	TRAFFIC CONTROL - STAGE 2A	SHEET 203	E

FILE NAME : N:\PDS\C3D\61803000\SHEETSPLAN\026001-TC.DWG
LAYOUT NAME - Stage 2A - 6

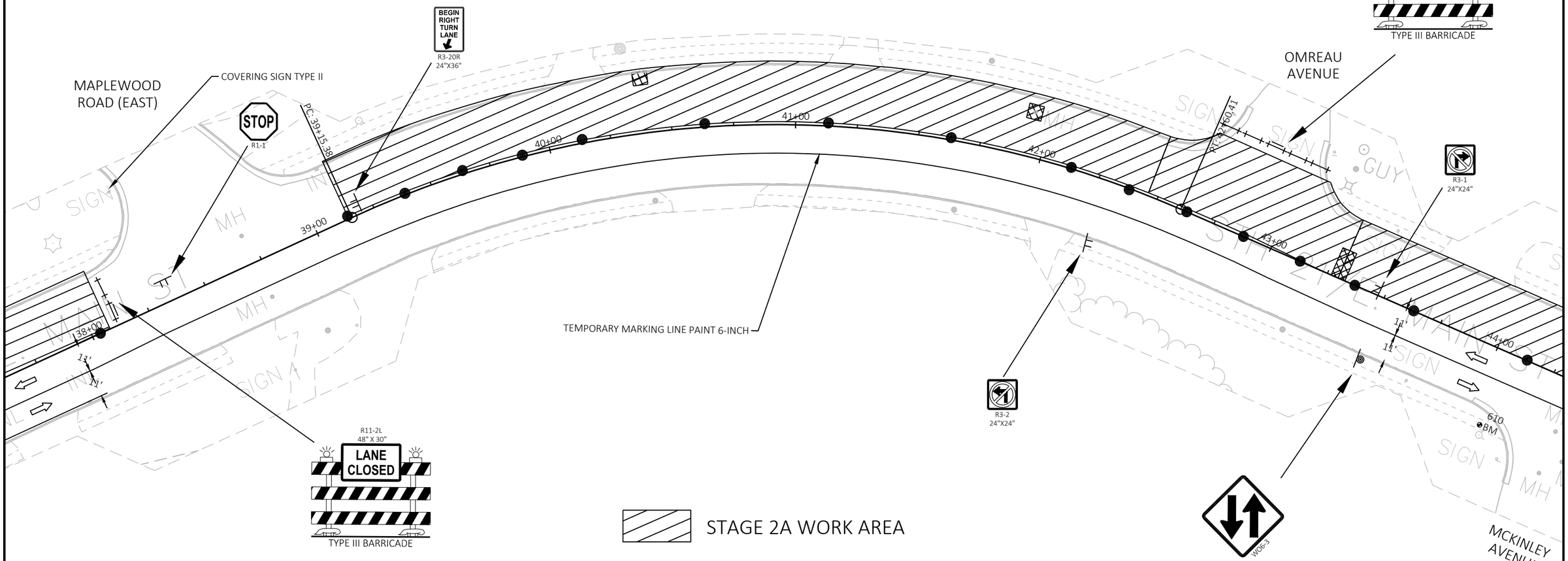
PLOT DATE : 9/22/2025 9:52 AM PLOT BY : DANKE, ERIC A PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- TYPE II / III BARRICADE
- TYPE II / III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF
- DIRECTION OF TRAFFIC



PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	TRAFFIC CONTROL - STAGE 2A	SHEET 204	E

FILE NAME : N:\PDS\C3D\61803000\SHEETSPLAN\026001-TC.DWG
LAYOUT NAME - Stage 2A - 7

PLOT DATE : 9/22/2025 9:52 AM PLOT BY : DANKE, ERIC A PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- TYPE II / III BARRICADE
- TYPE II / III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF
- DIRECTION OF TRAFFIC

N

2

COVERING SIGN TYPE II

STOP
R1-1

BECKWITH AVENUE

BEGIN RIGHT TURN LANE
R3-20R
24"X36"

W06-3

PC: 47+35.13

45+00 46+00 47+00 48+00 49+00 50+00

11' 11'

611
BM

MCKINLEY AVENUE

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

TEMPORARY MARKING LINE PAINT 6-INCH

R3-2
24"X24"

STAGE 2A WORK AREA

CONCRETE BASE PATCHING

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	TRAFFIC CONTROL - STAGE 2A	SHEET 205	E

FILE NAME : N:\PDS\C3D\61803000\SHEETSPLAN\026001-TC.DWG
LAYOUT NAME - Stage 2A - 8

PLOT DATE : 9/22/2025 9:52 AM PLOT BY : DANKE, ERIC A PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- TYPE II / III BARRICADE
- TYPE II / III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF
- DIRECTION OF TRAFFIC

N

ROAD CLOSED AHEAD
W20-3A

R11-2
48" X 30"
ROAD CLOSED

LINCOLN AVENUE

TYPE III BARRICADE

R3-1
24"X24"

PT. 51+47.28

R11-2L
48" X 30"
LANE CLOSED

TYPE III BARRICADE

51+00 52+00 53+00 54+00 55+00 56+00

STH 21/E MAIN ST

11'
11'

612
BM

613
BM

TEMPORARY MARKING LINE PAINT 6-INCH

STAGE 2A WORK AREA

CONCRETE BASE PATCHING

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	TRAFFIC CONTROL - STAGE 2A	SHEET 206	E

FILE NAME : N:\PDS\C3D\61803000\SHEETSPLAN\026001-TC.DWG
LAYOUT NAME - Stage 2A - 9

PLOT DATE : 9/22/2025 9:52 AM PLOT BY : DANKE, ERIC A PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

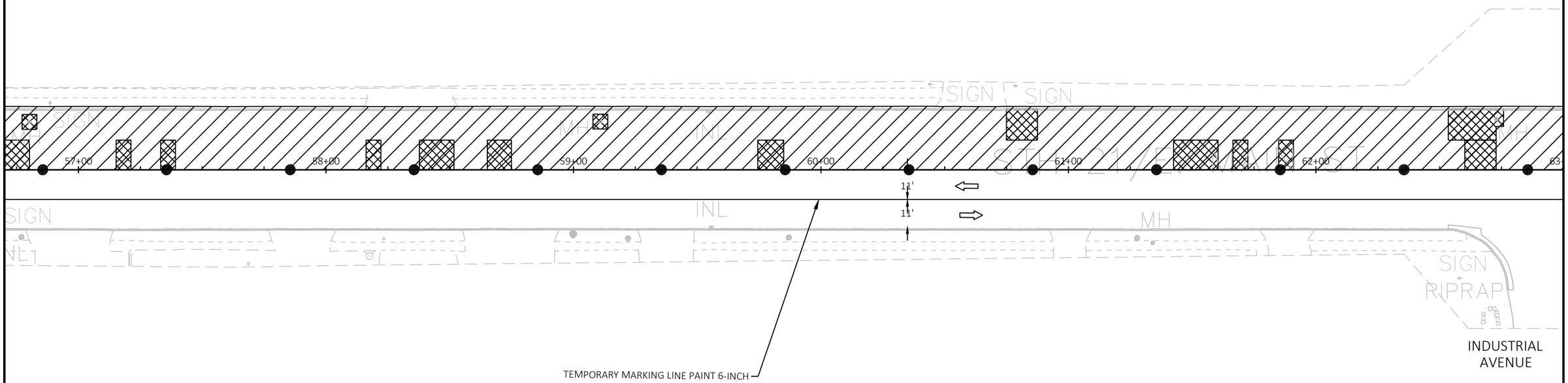
2

LEGEND

- TYPE II / III BARRICADE
- TYPE II / III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF
- DIRECTION OF TRAFFIC

N

2



STAGE 2A WORK AREA

CONCRETE BASE PATCHING

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	TRAFFIC CONTROL - STAGE 2A	SHEET 207	E

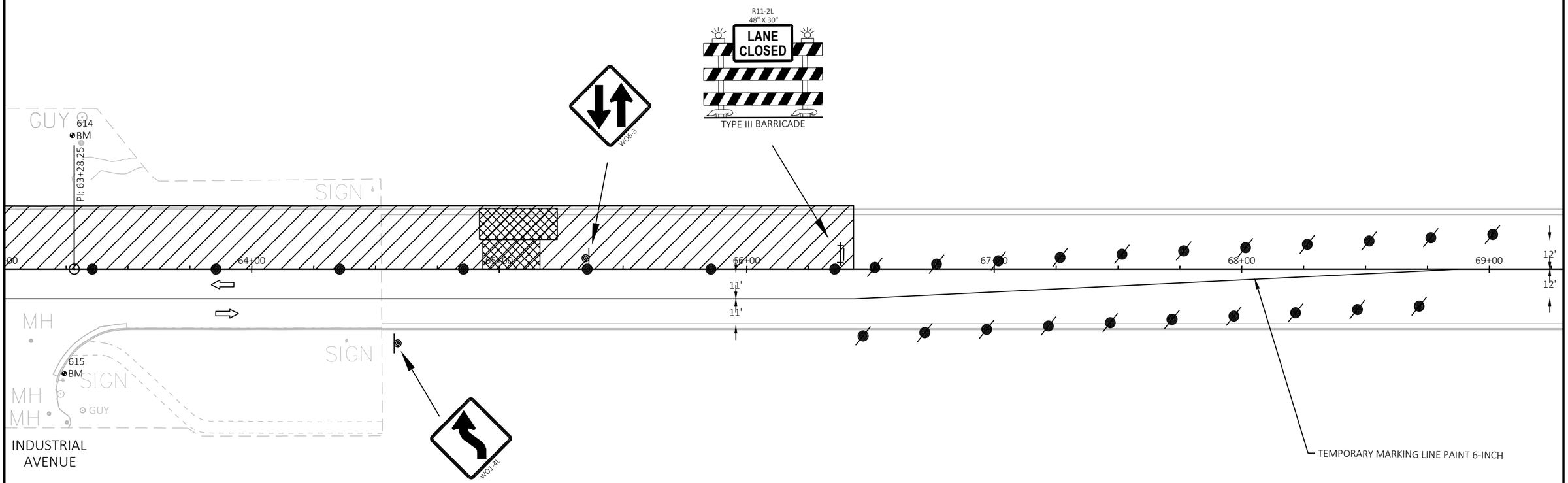
2

LEGEND

- TYPE II / III BARRICADE
- TYPE II / III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF
- DIRECTION OF TRAFFIC

N

2



STAGE 2A WORK AREA

CONCRETE BASE PATCHING

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	TRAFFIC CONTROL - STAGE 2A	SHEET 208	E

FILE NAME : N:\PDS\C3D\61803000\SHEETSPLAN\026001-TC.DWG
LAYOUT NAME - Stage 2A - 11
PLOT DATE : 9/22/2025 9:52 AM
PLOT BY : DANKE, ERIC A
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

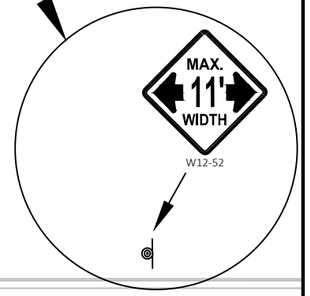
LEGEND

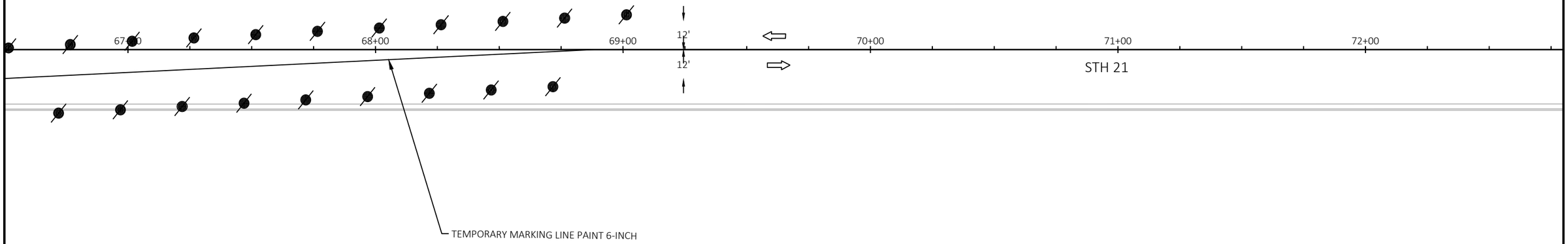
- TYPE II / III BARRICADE
- TYPE II / III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF
- DIRECTION OF TRAFFIC

N

PLACE EAST OF GOLDENROD DR







STAGE 2A WORK AREA

CONCRETE BASE PATCHING

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	TRAFFIC CONTROL - STAGE 2A	SHEET 209	E

2

LEGEND

- TYPE II / III BARRICADE
- TYPE II / III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF
- DIRECTION OF TRAFFIC

N

2

WEBSTER AVENUE

PI: 8+08.49

602 BM

603 BM

7+00 8+00 9+00 10+00 11+00 12+00

12' 12' 12' 12'

STH 21/E. MAIN ST

W01-4R

MAX. 11' WIDTH

W12-52

PLACE WEST OF STH 116/JEFFERSON AVE

TEMPORARY MARKING LINE PAINT 6-INCH

W06-3

STAGE 2B WORK AREA

CONCRETE BASE PATCHING

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	TRAFFIC CONTROL - STAGE 2B	SHEET 210	E

FILE NAME : N:\PDS\C3D\61803000\SHEETSPLAN\026001-TC.DWG
LAYOUT NAME - Stage 2B - 2

PLOT DATE : 9/22/2025 9:52 AM PLOT BY : DANKE, ERIC A PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2

LEGEND

- TYPE II / III BARRICADE
- TYPE II / III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF
- DIRECTION OF TRAFFIC

N

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

13+00 14+00 15+00 16+00 17+00 18+00

12' 12' 11' 11'

MADISON AVENUE

MONROE AVENUE

605 BM

604 BM

TEMPORARY MARKING LINE PAINT 6-INCH

STAGE 2B WORK AREA

CONCRETE BASE PATCHING

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	TRAFFIC CONTROL - STAGE 2B	SHEET 211	E

FILE NAME : N:\PDS\C3D\61803000\SHEETSPLAN\026001-TC.DWG
LAYOUT NAME - Stage 2B - 3

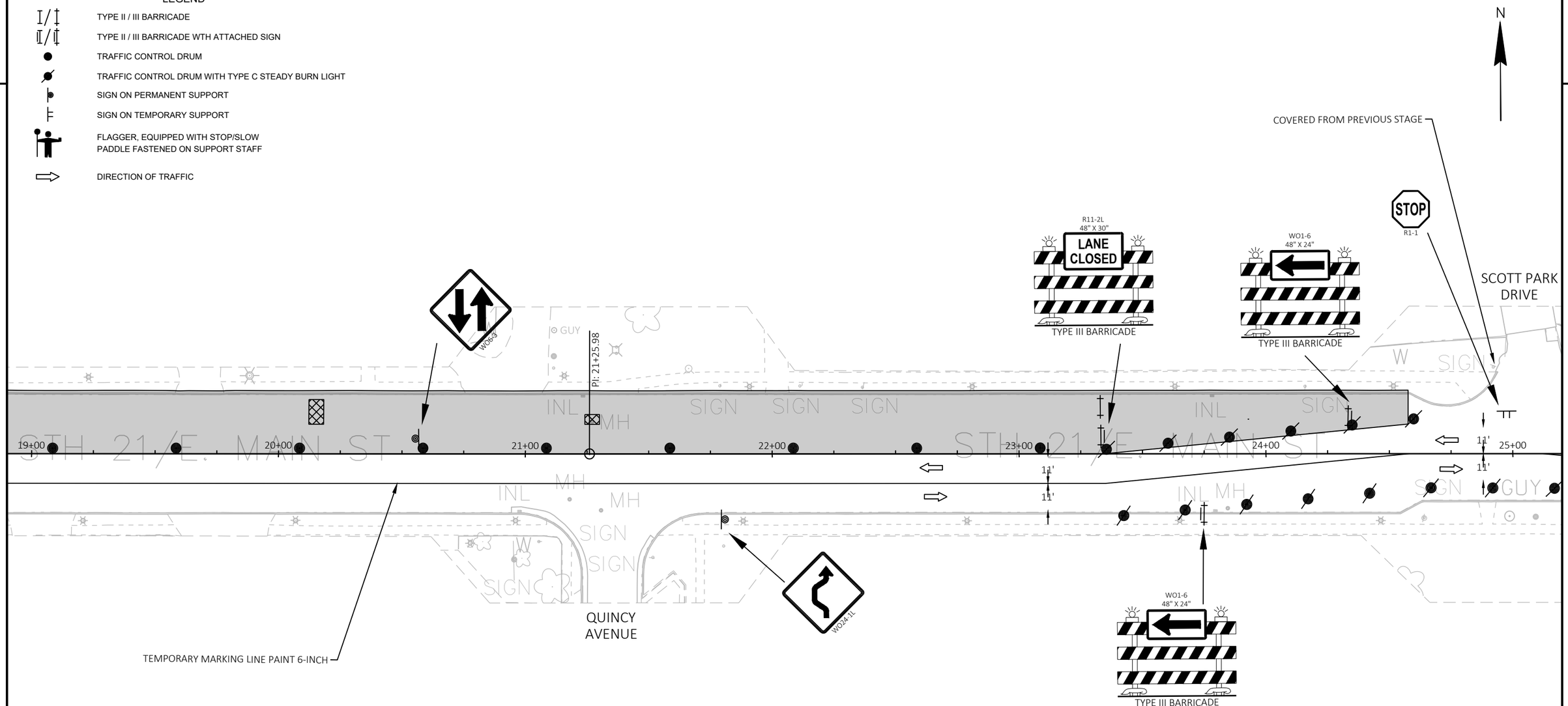
PLOT DATE : 9/22/2025 9:52 AM PLOT BY : DANKE, ERIC A PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- TYPE II / III BARRICADE
- TYPE II / III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF
- DIRECTION OF TRAFFIC



STAGE 2B WORK AREA

CONCRETE BASE PATCHING

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	TRAFFIC CONTROL - STAGE 2B	SHEET 212	E

FILE NAME : N:\PDS\C3D\61803000\SHEETSPLAN\026001-TC.DWG
LAYOUT NAME - Stage 2B - 4

PLOT DATE : 9/22/2025 9:52 AM PLOT BY : DANKE, ERIC A PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- TYPE II / III BARRICADE
- TYPE II / III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF
- DIRECTION OF TRAFFIC

N

2

BEGIN RIGHT TURN LANE
R3-20R
24"X36"

WO1-6
48" X 24"
TYPE III BARRICADE

WO24-1R

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

GUY
SIGN
INL
MH
W
STH
26+00
27+00
28+00
29+00
30+00
31+00
11'
11'
606
BM
607
BM

JACKSON AVENUE

VAN BUREN AVENUE

TEMPORARY MARKING LINE PAINT 6-INCH

WO6-3

WO1-6
48" X 24"
TYPE III BARRICADE

STAGE 2B WORK AREA

CONCRETE BASE PATCHING

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	TRAFFIC CONTROL - STAGE 2B	SHEET 213	E

FILE NAME : N:\PDS\C3D\61803000\SHEETSPLAN\026001-TC.DWG
LAYOUT NAME - Stage 2B - 5

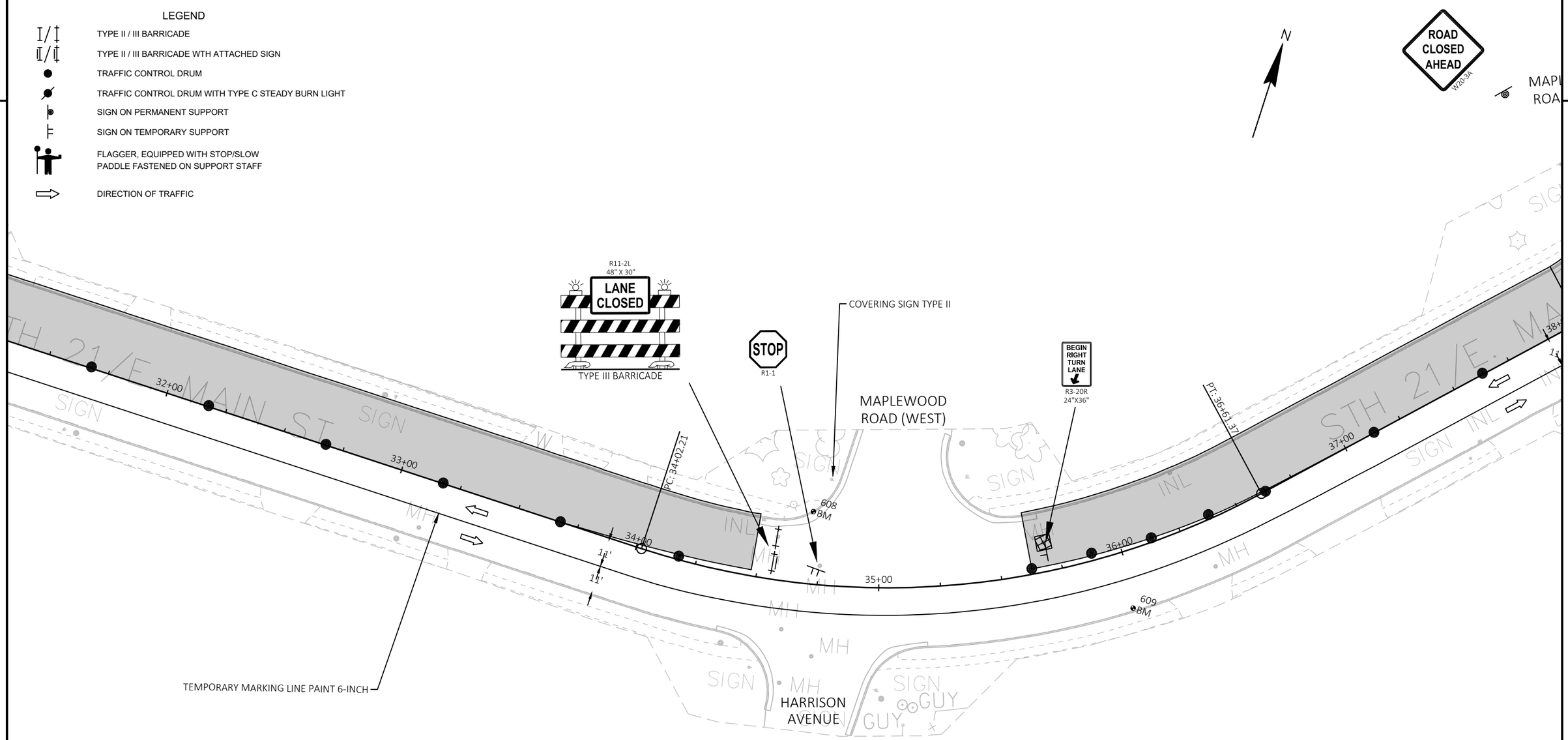
PLOT DATE : 9/22/2025 9:52 AM PLOT BY : DANKE, ERIC A PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- TYPE II / III BARRICADE
- TYPE II / III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF
- DIRECTION OF TRAFFIC



STAGE 2B WORK AREA

CONCRETE BASE PATCHING

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	TRAFFIC CONTROL - STAGE 2B	SHEET 214	E

FILE NAME : N:\PDS\C3D\61803000\SHEETSPLAN\026001-TC.DWG
LAYOUT NAME - Stage 2B - 6

PLOT DATE : 9/22/2025 9:53 AM PLOT BY : DANKE, ERIC A PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

LEGEND

- TYPE II / III BARRICADE
- TYPE II / III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF
- DIRECTION OF TRAFFIC

R11-2
48" X 30"
ROAD CLOSED
TYPE III BARRICADE

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

N

COVERING SIGN TYPE II

MAPLEWOOD ROAD (EAST)

OMREAU AVENUE

STOP
R1-1

BEGIN RIGHT TURN LANE
R3-20R
24"X36"

PC: 39+15.38

PT: 42+60.41

39+00

40+00

41+00

42+00

43+00

44+00

38+00

MAIN ST

STH 21

TEMPORARY MARKING LINE PAINT 6-INCH

R3-1
24"X24"

R3-2
24"X24"

W06-3

610
BM

MCKINLEY AVENUE

STAGE 2B WORK AREA

CONCRETE BASE PATCHING

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	TRAFFIC CONTROL - STAGE 2B	SHEET 215	E

FILE NAME : N:\PDS\C3D\61803000\SHEETSPLAN\026001-TC.DWG
LAYOUT NAME - Stage 2B - 7

PLOT DATE : 9/22/2025 9:53 AM PLOT BY : DANKE, ERIC A PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

LEGEND

- TYPE II / III BARRICADE
- TYPE II / III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF
- DIRECTION OF TRAFFIC

N

2

ROAD CLOSED AHEAD
W20-3A

R11-2
48" X 30"
ROAD CLOSED
TYPE III BARRICADE

BECKWITH AVENUE

W06-3

R3-1
24"X24"

4+35.13

45+00 46+00 47+00 48+00 49+00 50+00

11' 11'

611
BM

MCKINLEY AVENUE

R3-2
24"X24"

TEMPORARY MARKING LINE PAINT 6-INCH

STAGE 2B WORK AREA

CONCRETE BASE PATCHING

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	TRAFFIC CONTROL - STAGE 2B	SHEET 216	E

FILE NAME : N:\PDS\C3D\61803000\SHEETSPLAN\026001-TC.DWG
LAYOUT NAME - Stage 2B - 8

PLOT DATE : 9/22/2025 9:53 AM PLOT BY : DANKE, ERIC A PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

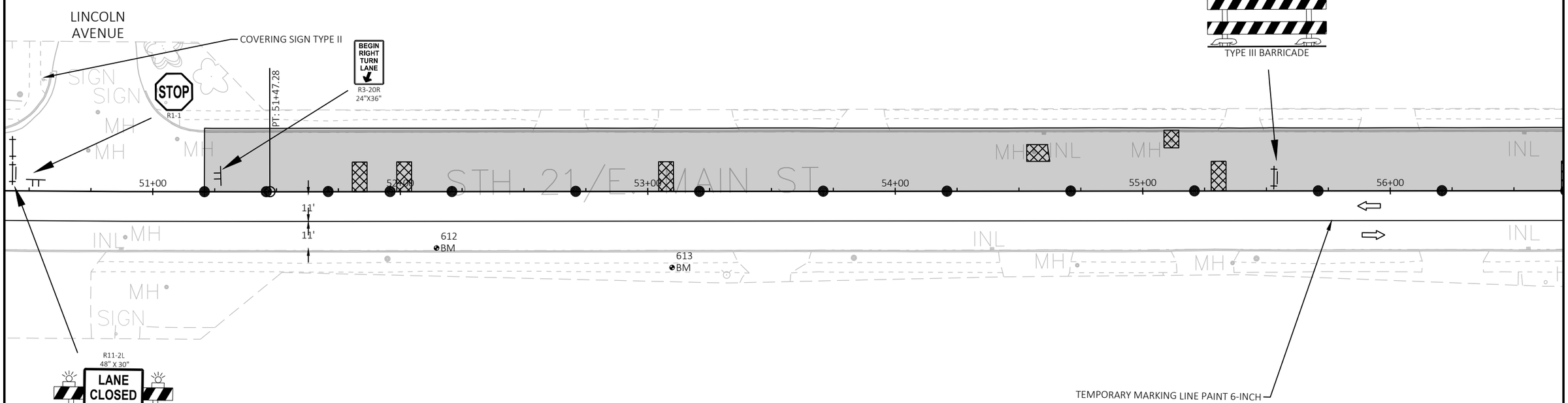
2

LEGEND

- TYPE II / III BARRICADE
- TYPE II / III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF
- DIRECTION OF TRAFFIC

N

2



STAGE 2B WORK AREA

CONCRETE BASE PATCHING

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	TRAFFIC CONTROL - STAGE 2B	SHEET 217	E

FILE NAME : N:\PDS\C3D\61803000\SHEETSPLAN\026001-TC.DWG
LAYOUT NAME - Stage 2B - 9

PLOT DATE : 9/22/2025 9:53 AM PLOT BY : DANKE, ERIC A PLOT NAME : PLOT SCALE : 1 IN:40 FT

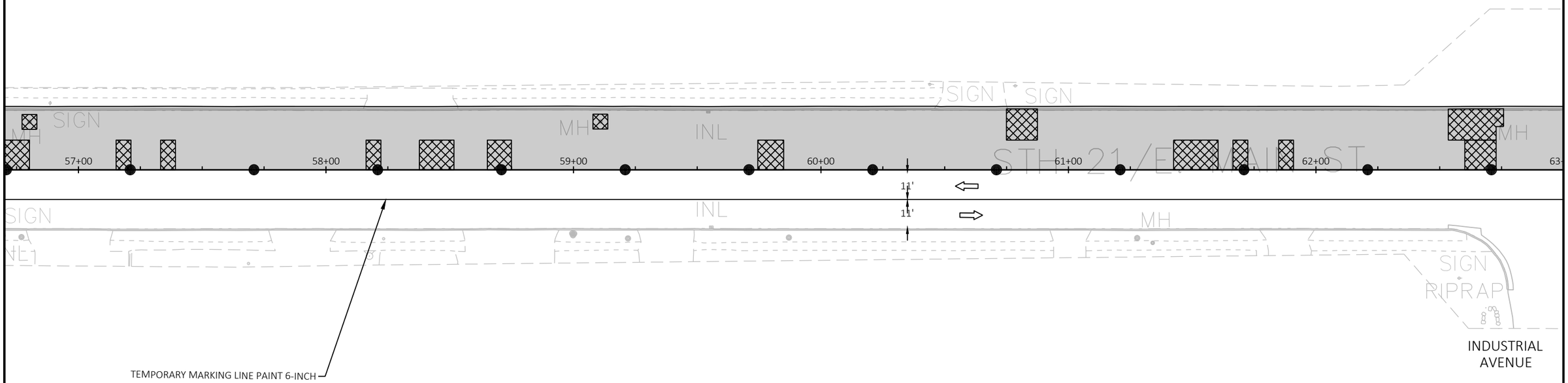
WISDOT/CADDS SHEET 42

2

LEGEND

- TYPE II / III BARRICADE
- TYPE II / III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF
- DIRECTION OF TRAFFIC

N



STAGE 2B WORK AREA

CONCRETE BASE PATCHING

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	TRAFFIC CONTROL - STAGE 2B	SHEET 218	E

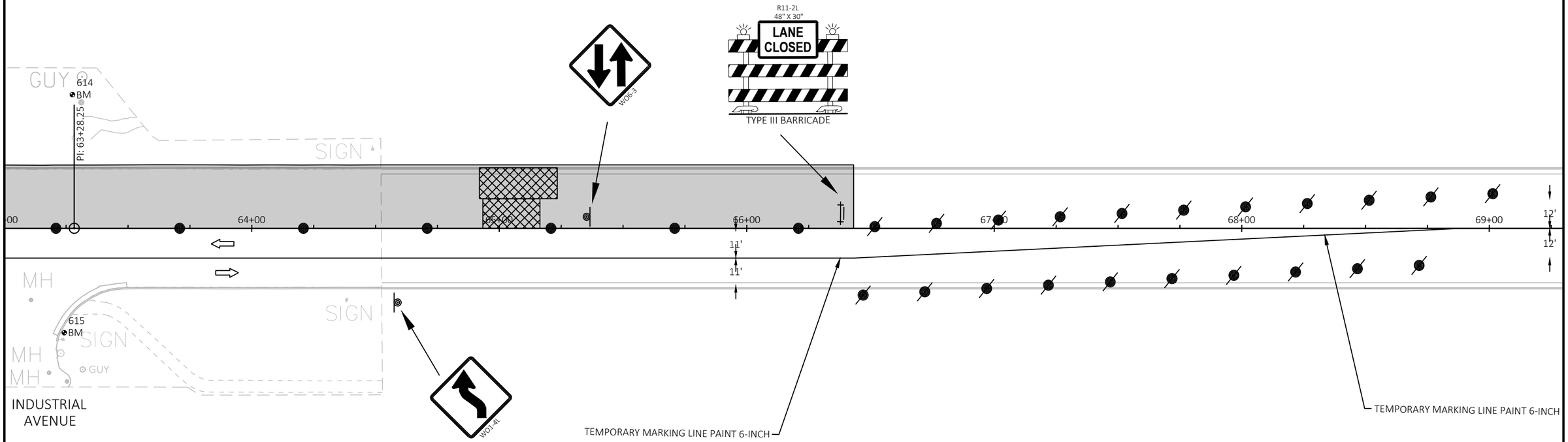
2

LEGEND

- TYPE II / III BARRICADE
- TYPE II / III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF
- DIRECTION OF TRAFFIC

N

2



STAGE 2B WORK AREA

CONCRETE BASE PATCHING

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	TRAFFIC CONTROL - STAGE 2B	SHEET 219	E

2

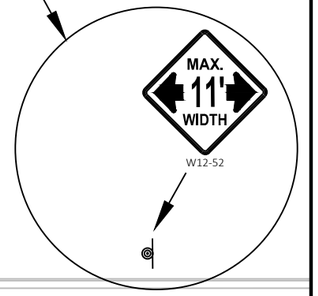
LEGEND

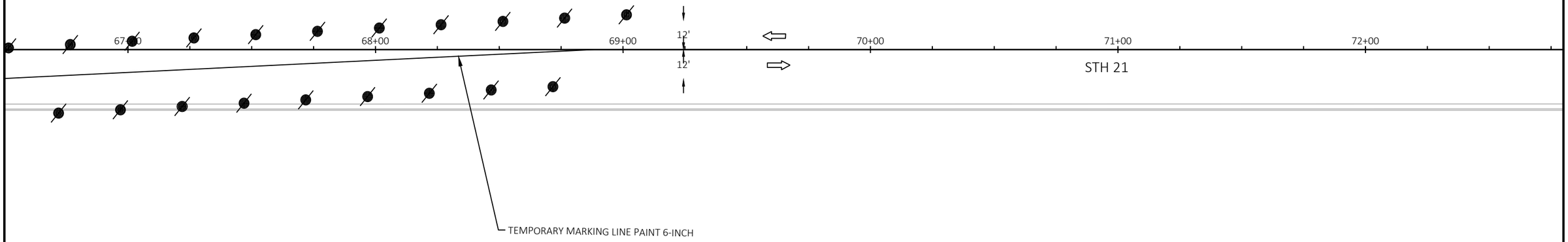
- TYPE II / III BARRICADE
- TYPE II / III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF
- DIRECTION OF TRAFFIC

N

PLACE EAST OF GOLDENROD DR





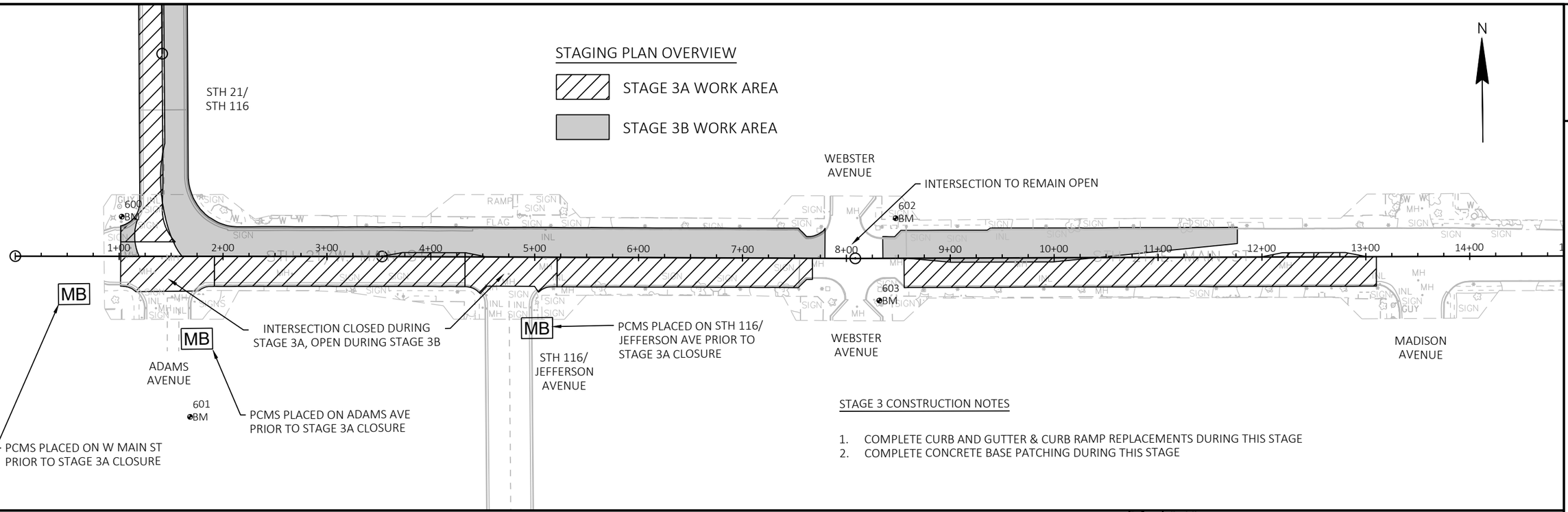


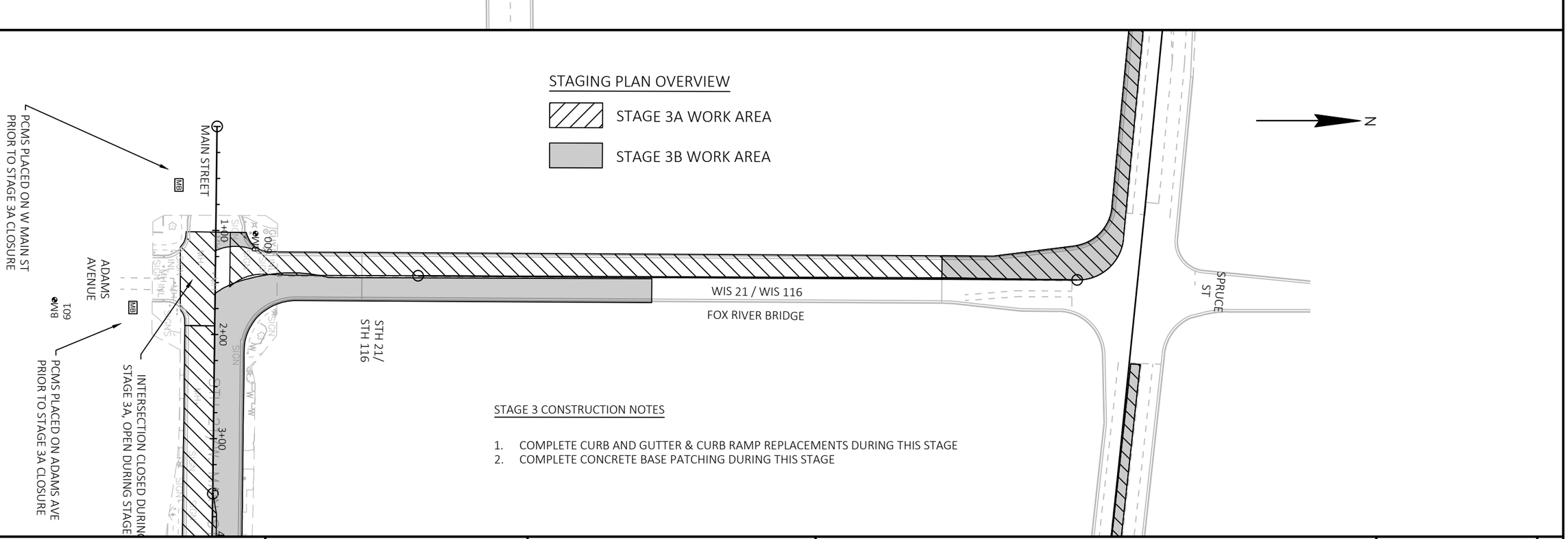
STAGE 2B WORK AREA

CONCRETE BASE PATCHING

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	TRAFFIC CONTROL - STAGE 2B	SHEET 220	E

2





PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	STAGE 3 OVERVIEW	SHEET 221	E

FILE NAME : N:\PDS\C3D\61803000\SHEETSPLAN\026001-S123456.DWG
LAYOUT NAME - Stage 3 - 1

PLOT DATE : 9/22/2025 9:53 AM PLOT BY : DANKE, ERIC A PLOT NAME : PLOT SCALE : 1 IN:100 FT

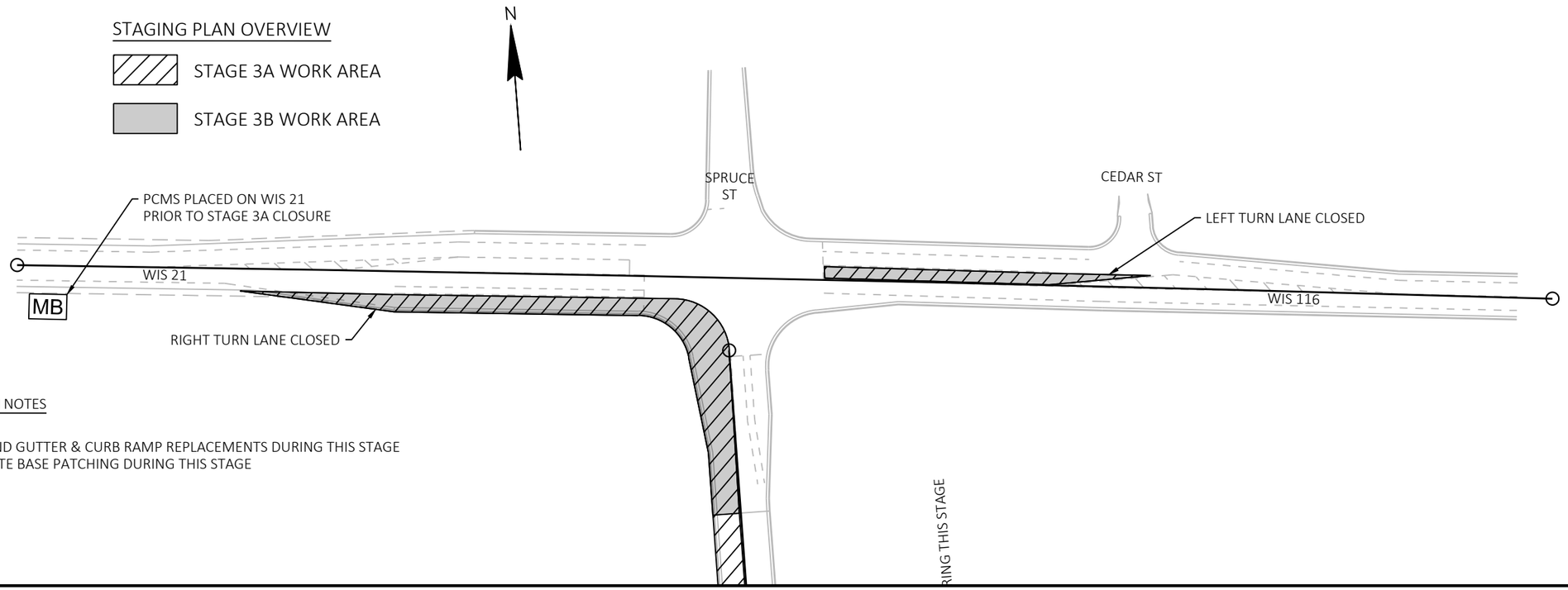
2

2

STAGING PLAN OVERVIEW

STAGE 3A WORK AREA

STAGE 3B WORK AREA



STAGE 3 CONSTRUCTION NOTES

1. COMPLETE CURB AND GUTTER & CURB RAMP REPLACEMENTS DURING THIS STAGE
2. COMPLETE CONCRETE BASE PATCHING DURING THIS STAGE

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	STAGE 3 OVERVIEW	SHEET 222	E

FILE NAME : N:\PDS\C3D\61803000\SHEETSPLAN\026001-S123456.DWG
LAYOUT NAME - Stage 3 - 2

PLOT DATE : 9/22/2025 9:53 AM PLOT BY : DANKE, ERIC A PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

2

N

LEGEND

- TYPE II / III BARRICADE
- TYPE II / III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF
- DIRECTION OF TRAFFIC

PLACE DEVICES AT INTERSECTION OF WASHINGTON AVE & W MAIN ST

BP: 0+00.00

DO NOT ENTER
R5-1
30"X30"

MAIN STREET

ROAD CLOSED AHEAD
W20-3A

STH 21/
STH 116

600
BM

1+00

2+00

12' LANE

3+00

4+00

5+00

6+00

PI: 3+53.05

TEMPORARY MARKING LINE PAINT 6-INCH

PLACE SIGN EVERY
100' - 150' PER BLOCK

R3-2
24"X24"

NO PARKING ANY TIME
R7-1D
18"X24"

R3-2
24"X24"

TEMPORARY PED CURB RAMP AND BARRICADES

ONE WAY
R6-2L
24"X30"
PLACE SIGN ACROSS
FROM EVERY DRIVEWAY
ON SOUTH SIDE

ONE WAY
R6-2R
24"X30"
PLACE SIGN ACROSS
FROM EVERY DRIVEWAY
ON NORTH SIDE

R11-2
48" X 30"
ROAD CLOSED
TYPE III BARRICADE

ADAMS
AVENUE

R11-2
48" X 30"
ROAD CLOSED
TYPE III BARRICADE

STH 116/
JEFFERSON
AVENUE

601
BM

ROAD CLOSED AHEAD
W20-3A

ROAD CLOSED AHEAD
W20-3A

STAGE 3A WORK AREA

CONCRETE BASE PATCHING

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	TRAFFIC CONTROL - STAGE 3A	SHEET 223	E

FILE NAME : N:\PDS\C3D\61803000\SHEETSPLAN\026001-TC.DWG
LAYOUT NAME - Stage 3A - 1

PLOT DATE : 9/22/2025 9:53 AM PLOT BY : DANKE, ERIC A PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- TYPE II / III BARRICADE
- TYPE II / III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF
- DIRECTION OF TRAFFIC

N

2

PLACE SIGN EVERY
100' - 150' PER BLOCK

W20.4-1R

NO PARKING ANY TIME
R7-1D
18"X24"

R3-2

WEBSTER AVENUE

DO NOT ENTER
R5-1
30"X30"

TEMPORARY MARKING LINE PAINT 6-INCH

602
BM

PI: 8+08.49

12' LANE

7+00 8+00 9+00 10+00 11+00 12+00

STH 21/E. MAIN ST

603
BM

WEBSTER AVENUE

R11-2L
48" X 30"
LANE CLOSED

TYPE III BARRICADE

BEGIN LEFT TURN LANE
R3-20L
24"X36"

STAGE 3A WORK AREA

CONCRETE BASE PATCHING

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	TRAFFIC CONTROL - STAGE 3A	SHEET 224	E

FILE NAME : N:\PDS\C3D\61803000\SHEETSPLAN\026001-TC.DWG
LAYOUT NAME - Stage 3A - 2

PLOT DATE : 9/22/2025 9:54 AM PLOT BY : DANKE, ERIC A PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

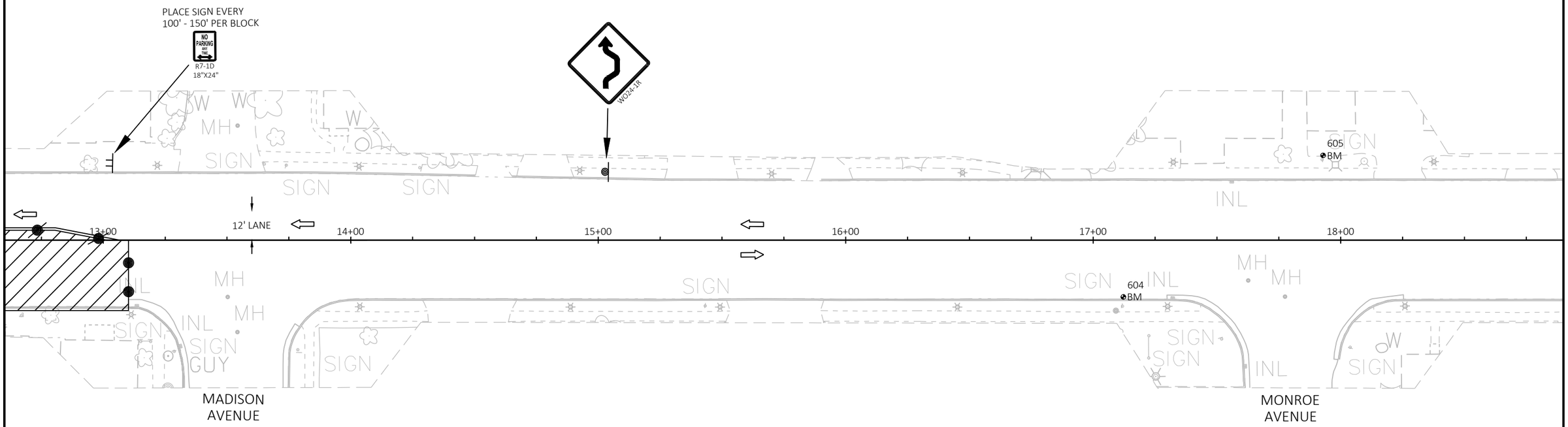
2

LEGEND

- TYPE II / III BARRICADE
- TYPE II / III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF
- DIRECTION OF TRAFFIC

N

2



STAGE 3A WORK AREA

CONCRETE BASE PATCHING

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	TRAFFIC CONTROL - STAGE 3A	SHEET 225	E

FILE NAME : N:\PDS\C3D\61803000\SHEETSPLAN\026001-TC.DWG
LAYOUT NAME - Stage 3A - 3

PLOT DATE : 9/22/2025 9:54 AM PLOT BY : DANKE, ERIC A PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- TYPE II / III BARRICADE
- TYPE II / III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF
- DIRECTION OF TRAFFIC

N

ROAD CLOSED AHEAD
W20-3A

R3-27

WO1-7
48"X24"

SPRUCE ST

WIS 21

DO NOT ENTER
R5-1
30"X30"

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

R3-1

R11-2
48" X 30"
ROAD CLOSED
TYPE III BARRICADE

ROAD WORK AHEAD
W20-2A

HWY 116 CLOSED
AT HWY 21
NO ACCESS TO OMRO
84" X 36"
FMS

STAGE 3A WORK AREA

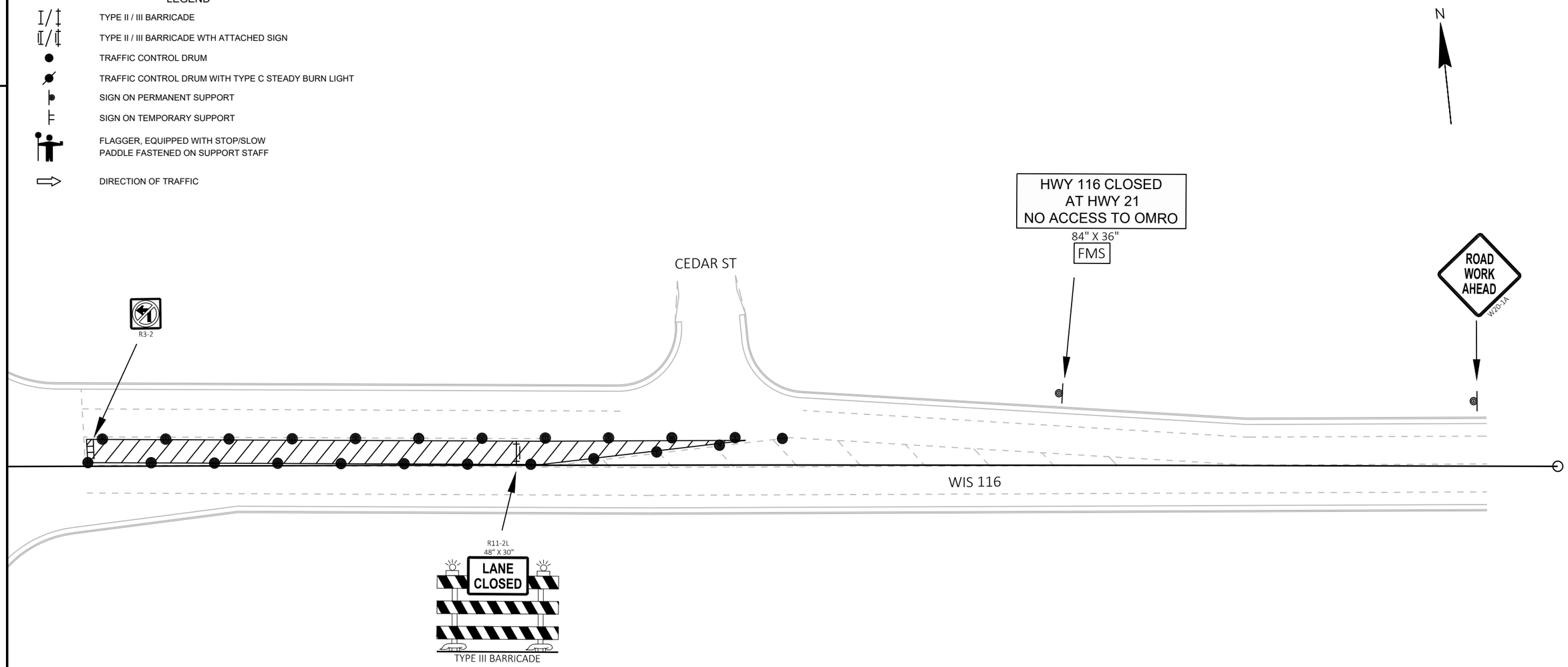
2

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	TRAFFIC CONTROL - STAGE 3A	SHEET 226	E

2

LEGEND

- TYPE II / III BARRICADE
- TYPE II / III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF
- DIRECTION OF TRAFFIC



STAGE 3A WORK AREA

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	TRAFFIC CONTROL - STAGE 3A	SHEET 227	E

FILE NAME : N:\PDS\C3D\61803000\SHEETSPLAN\026001-TC.DWG
LAYOUT NAME - Stage 3A - 14

PLOT DATE : 9/22/2025 9:54 AM PLOT BY : DANKE, ERIC A PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

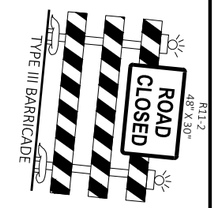
2

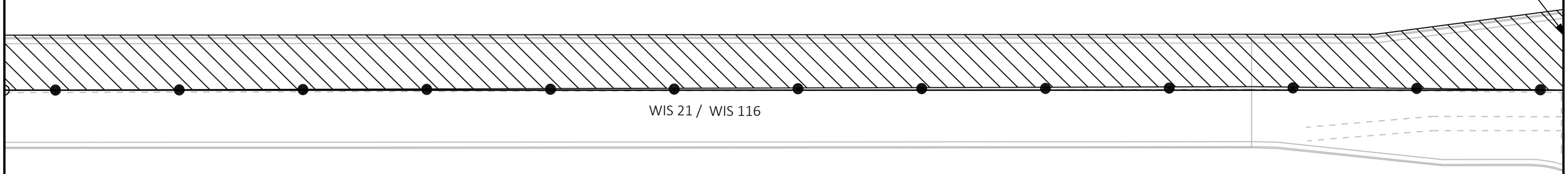
2

LEGEND

- TYPE II / III BARRICADE
- TYPE II / III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF
- DIRECTION OF TRAFFIC

N





STAGE 3A WORK AREA

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	TRAFFIC CONTROL - STAGE 3A	SHEET 228	E

FILE NAME : N:\PDS\C3D\61803000\SHEETSPLAN\026001-TC.DWG
LAYOUT NAME - Stage 3A - 1S

PLOT DATE : 9/22/2025 9:54 AM PLOT BY : DANKE, ERIC A PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- TYPE II / III BARRICADE
- TYPE II / III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF
- DIRECTION OF TRAFFIC

N

WO1-6
48" X 24"
TYPE III BARRICADE

TEMPORARY MARKING LINE PAINT 6-INCH

MARKING LINE REMOVAL 4-INCH

STH 21/
STH 116

WO1-4R

PLACE DEVICES AT INTERSECTION OF WASHINGTON AVE & W MAIN ST

DO NOT ENTER
R5-1
30"X30"

BP: 0+00.00

600
BM

ONE WAY
R6-2L
24"X30"
PLACE SIGN ACROSS FROM EVERY DRIVEWAY ON SOUTH SIDE

DO NOT ENTER
R5-1
30"X30"

ONE WAY
R6-2R
24"X30"
PLACE SIGN ACROSS FROM EVERY DRIVEWAY ON NORTH SIDE

PI: 3+53.05

ONE WAY
R6-2L
24"X30"

1+00 2+00 3+00 4+00 5+00 6+00

STH 21/ W. MAIN ST

MAIN STREET

12' LANE

ROAD CLOSED AHEAD
W20-3A

WO1-7
48"X24"

STOP
R1-1

R3-1
24"X24"

ADAMS AVENUE

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

R11-2
48" X 30"
ROAD CLOSED
TYPE III BARRICADE

NO PARKING ANY TIME
R7-1D
18"X24"
PLACE SIGN EVERY 100' - 150' PER BLOCK

STH 116/
JEFFERSON
AVENUE

R3-1
24"X24"

DO NOT ENTER
R5-1
30"X30"

WO1-6
48" X 24"

601
BM

TYPE III BARRICADE

STAGE 3B WORK AREA

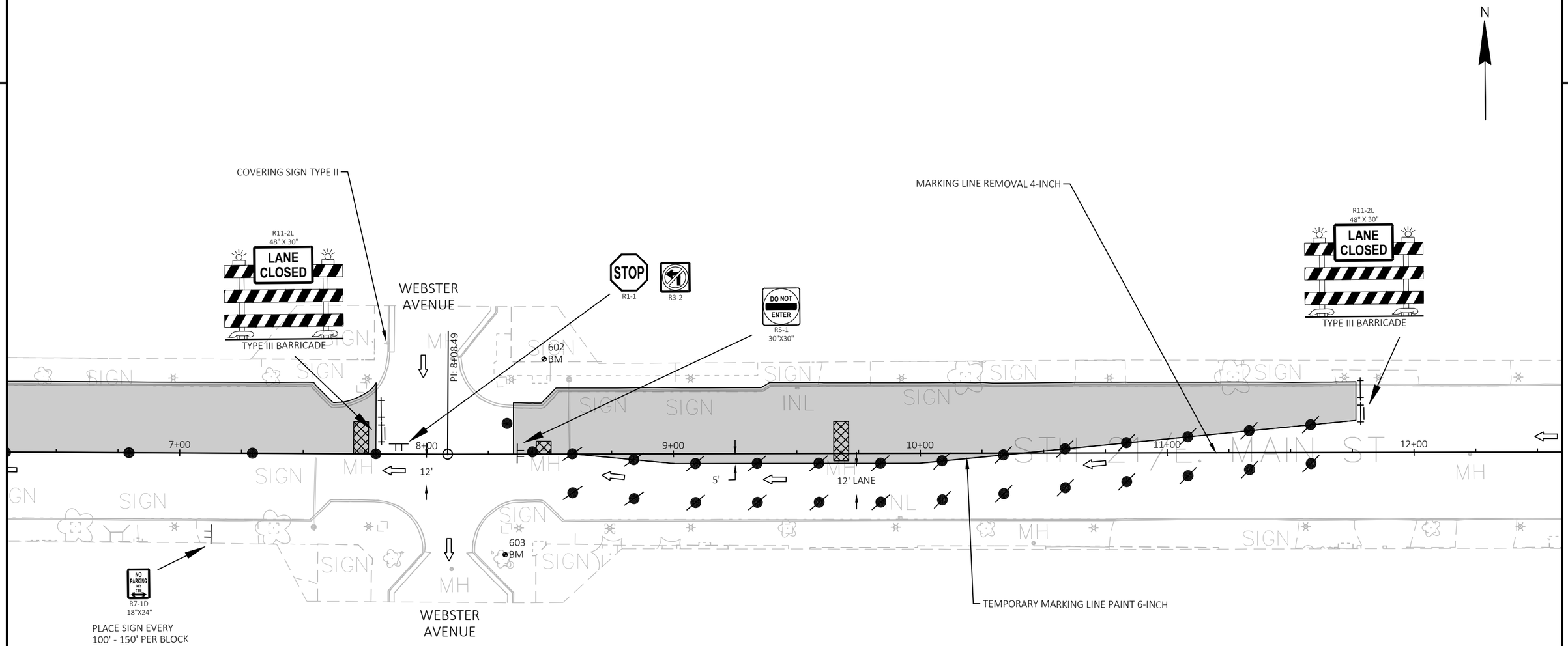
CONCRETE BASE PATCHING

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	TRAFFIC CONTROL - STAGE 3B	SHEET 229	E

FILE NAME : N:\PDS\C3D\61803000\SHEETSPLAN\026001-TC.DWG
LAYOUT NAME - Stage 3B - 1

PLOT DATE : 9/22/2025 9:54 AM PLOT BY : DANKE, ERIC A PLOT NAME : PLOT SCALE : 1 IN:40 FT

2



LEGEND

- TYPE II / III BARRICADE
- TYPE II / III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF
- DIRECTION OF TRAFFIC

STAGE 3B WORK AREA

CONCRETE BASE PATCHING

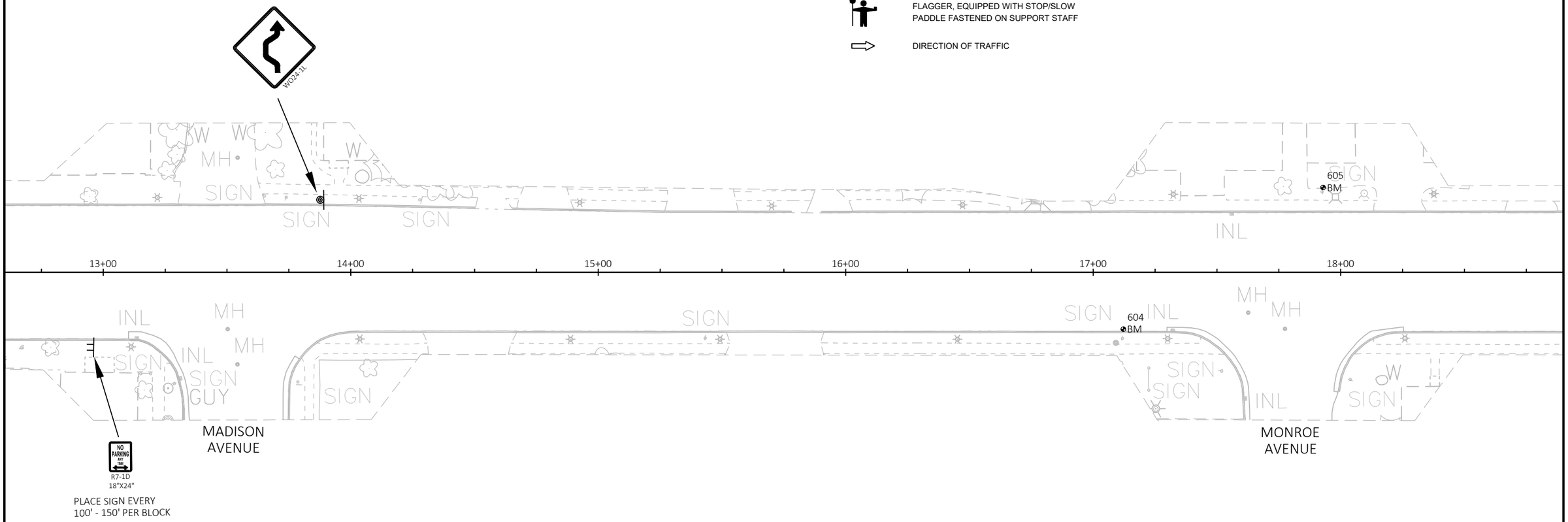
PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	TRAFFIC CONTROL - STAGE 3B	SHEET 230	E

2

N

LEGEND

- TYPE II / III BARRICADE
- TYPE II / III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF
- DIRECTION OF TRAFFIC



STAGE 3B WORK AREA

CONCRETE BASE PATCHING

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	TRAFFIC CONTROL - STAGE 3B	SHEET 231	E

FILE NAME : N:\PDS\C3D\61803000\SHEETSPLAN\026001-TC.DWG
LAYOUT NAME - Stage 3B - 3
PLOT DATE : 9/22/2025 9:54 AM
PLOT BY : DANKE, ERIC A
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

LEGEND

- TYPE II / III BARRICADE
- TYPE II / III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF
- DIRECTION OF TRAFFIC

N

ROAD CLOSED AHEAD
W20-3A

R3-27

WO1-7
48"X24"

SPRUCE ST

WIS 21

ROAD WORK AHEAD
W20-1A

HWY 116 CLOSED
AT HWY 21
NO ACCESS TO OMRO
84" X 36"
FMS

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

R3-1

R11-2
48" X 30"
ROAD CLOSED
TYPE III BARRICADE

DO NOT ENTER
R5-1
30"X30"

STAGE 3B WORK AREA

2

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	TRAFFIC CONTROL - STAGE 3B	SHEET 232	E

FILE NAME : N:\PDS\C3D\61803000\SHEETSPLAN\026001-TC.DWG
LAYOUT NAME - Stage 3B - 13

PLOT DATE : 9/22/2025 9:54 AM PLOT BY : DANKE, ERIC A PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

2

LEGEND

- TYPE II / III BARRICADE
- TYPE II / III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF
- DIRECTION OF TRAFFIC

N

HWY 116 CLOSED
AT HWY 21
NO ACCESS TO OMRO
84" X 36"
FMS

ROAD WORK AHEAD
W20-1A

CEDAR ST

R3-2

WIS 116

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

STAGE 3B WORK AREA

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	TRAFFIC CONTROL - STAGE 3B	SHEET 233	E

FILE NAME : N:\PDS\C3D\61803000\SHEETSPLAN\026001-TC.DWG
LAYOUT NAME - Stage 3B - 14

PLOT DATE : 9/22/2025 9:54 AM PLOT BY : DANKE, ERIC A PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

2

LEGEND

- TYPE II / III BARRICADE
- TYPE II / III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF
- DIRECTION OF TRAFFIC

N

TYPE III BARRICADE

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

WIS 21 / WIS 116

STAGE 3B WORK AREA

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	TRAFFIC CONTROL - STAGE 3B	SHEET 234	E

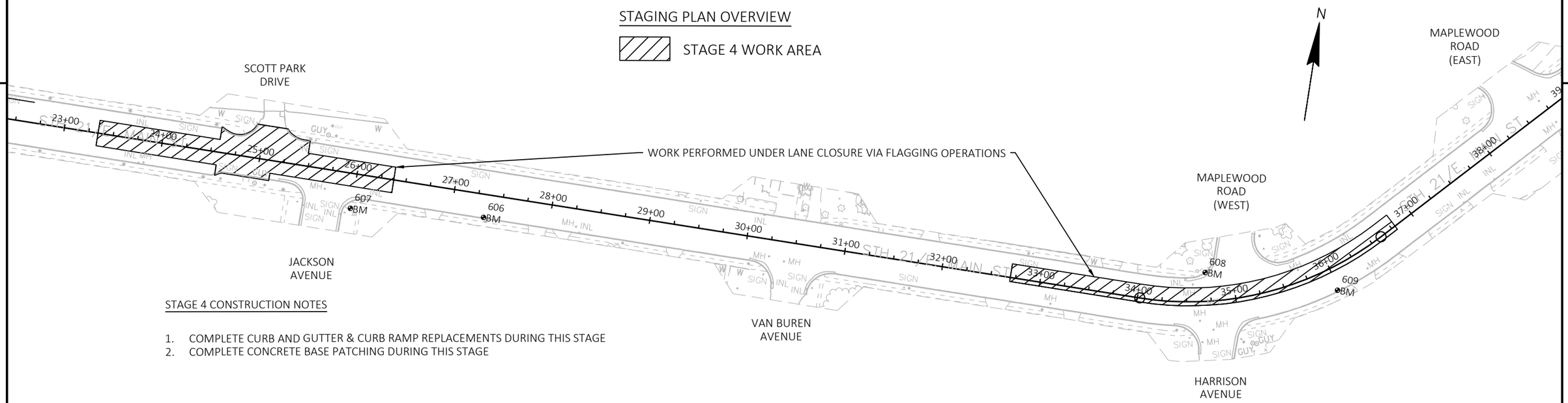
FILE NAME : N:\PDS\C3D\61803000\SHEETSPLAN\026001-TC.DWG
LAYOUT NAME - Stage 3B - 15

PLOT DATE : 9/22/2025 9:54 AM PLOT BY : DANKE, ERIC A PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

STAGING PLAN OVERVIEW

STAGE 4 WORK AREA

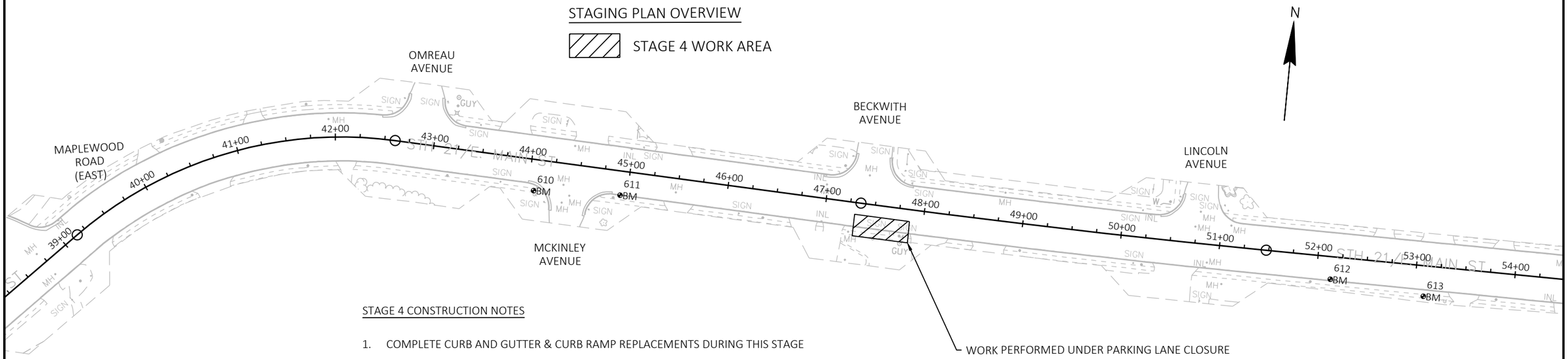


STAGE 4 CONSTRUCTION NOTES

1. COMPLETE CURB AND GUTTER & CURB RAMP REPLACEMENTS DURING THIS STAGE
2. COMPLETE CONCRETE BASE PATCHING DURING THIS STAGE

STAGING PLAN OVERVIEW

STAGE 4 WORK AREA



STAGE 4 CONSTRUCTION NOTES

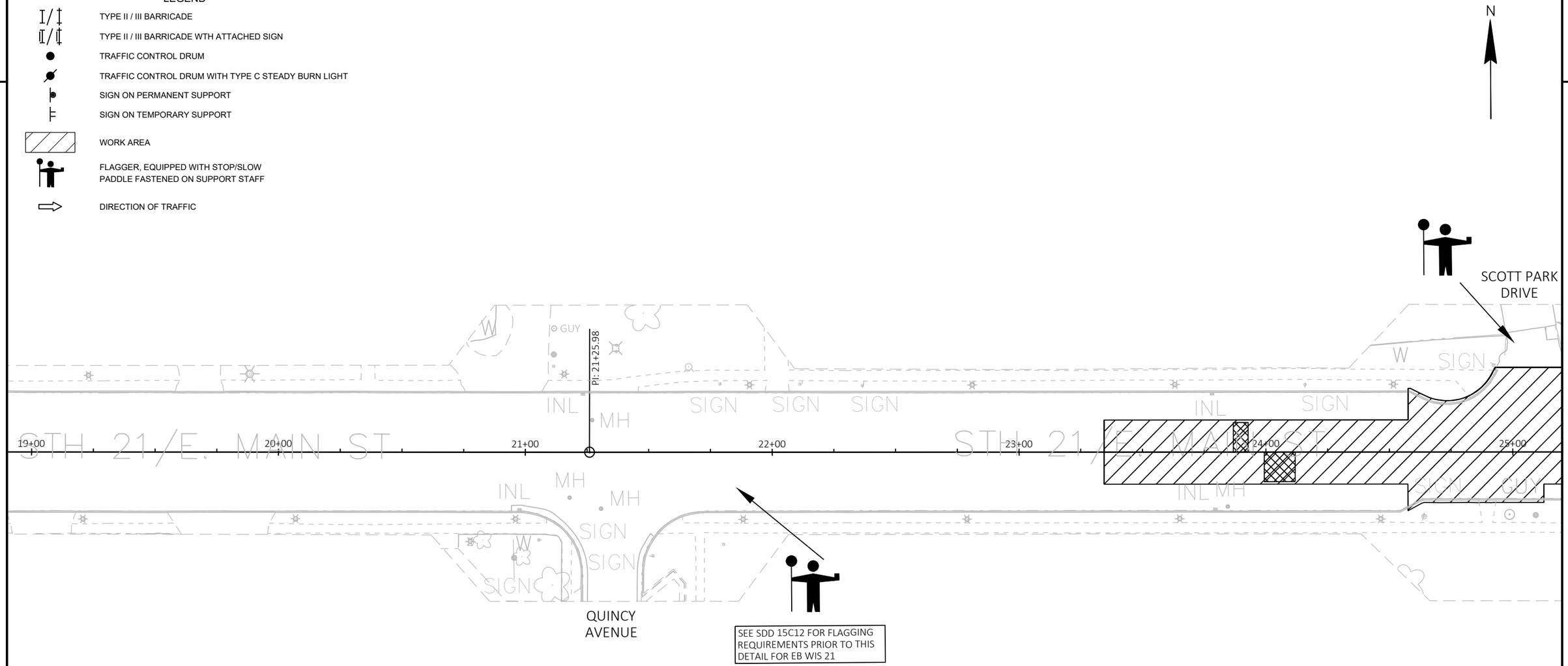
1. COMPLETE CURB AND GUTTER & CURB RAMP REPLACEMENTS DURING THIS STAGE

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	STAGE 4 OVERVIEW	SHEET 235	E

FILE NAME : N:\PDS\C3D\61803000\SHEETSPLAN\026001-S123456.DWG
LAYOUT NAME - Stage 4
PLOT DATE : 9/22/2025 9:54 AM
PLOT BY : DANKE, ERIC A
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44

LEGEND

- TYPE II / III BARRICADE
- TYPE II / III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF
- DIRECTION OF TRAFFIC



STAGE 4 WORK AREA

CONCRETE BASE PATCHING

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	TRAFFIC CONTROL - STAGE 4	SHEET 236	E

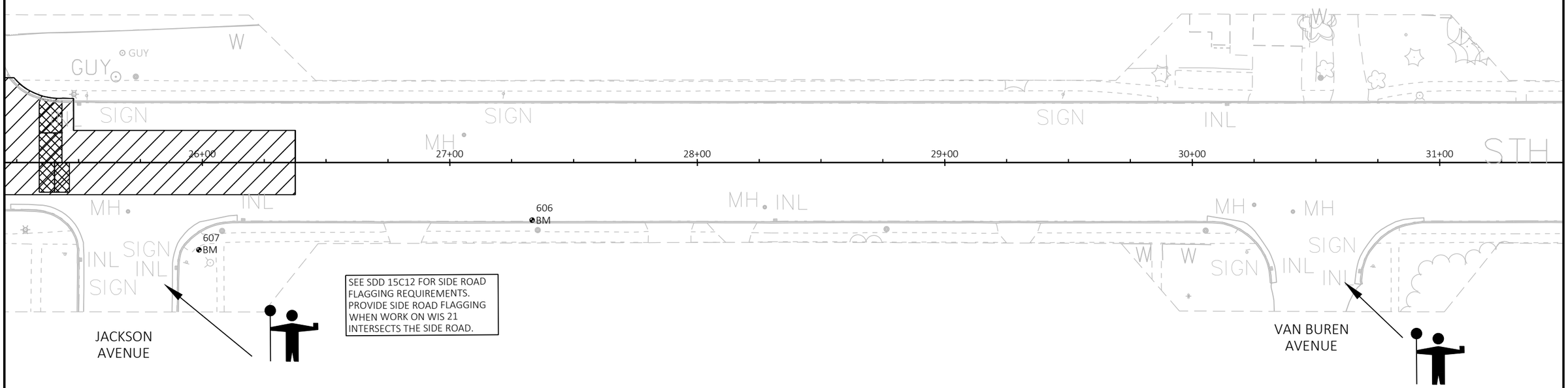
FILE NAME : N:\PDS\C3D\61803000\SHEETSPLAN\026001-TC.DWG
LAYOUT NAME - Stage 4 - 4
PLOT DATE : 9/22/2025 9:54 AM
PLOT BY : DANKE, ERIC A
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

LEGEND

- TYPE II / III BARRICADE
- TYPE II / III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF
- DIRECTION OF TRAFFIC

N



STAGE 4 WORK AREA

CONCRETE BASE PATCHING

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	TRAFFIC CONTROL - STAGE 4	SHEET 237	E

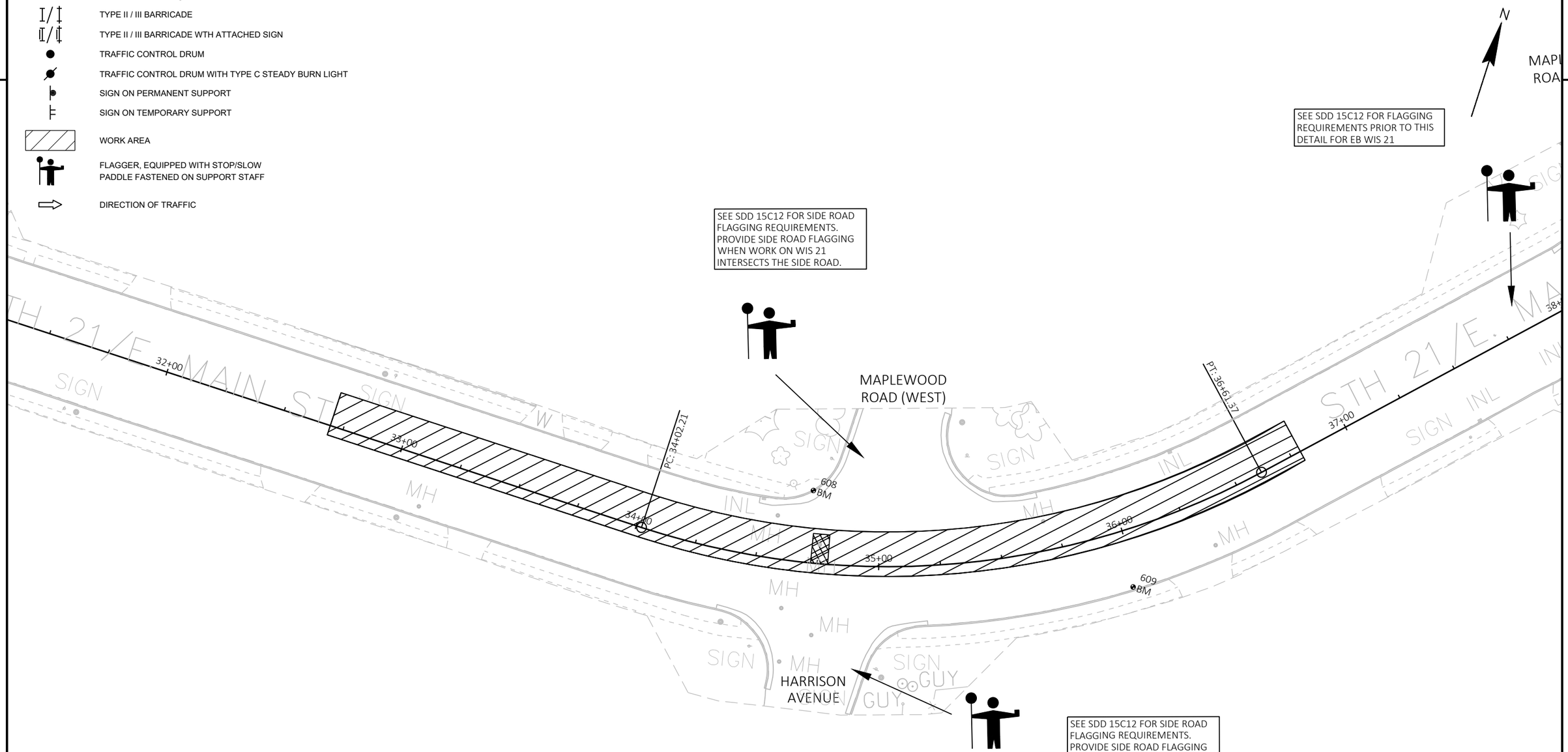
FILE NAME : N:\PDS\C3D\61803000\SHEETSPLAN\026001-TC.DWG
LAYOUT NAME - Stage 4 - 5

PLOT DATE : 9/22/2025 9:54 AM PLOT BY : DANKE, ERIC A PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

LEGEND

- TYPE II / III BARRICADE
- TYPE II / III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF
- DIRECTION OF TRAFFIC



STAGE 4 WORK AREA

CONCRETE BASE PATCHING

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	TRAFFIC CONTROL - STAGE 4	SHEET 238	E

FILE NAME : N:\PDS\C3D\61803000\SHEETSPLAN\026001-TC.DWG
LAYOUT NAME - Stage 4 - 6
PLOT DATE : 9/22/2025 9:55 AM
PLOT BY : DANKE, ERIC A
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

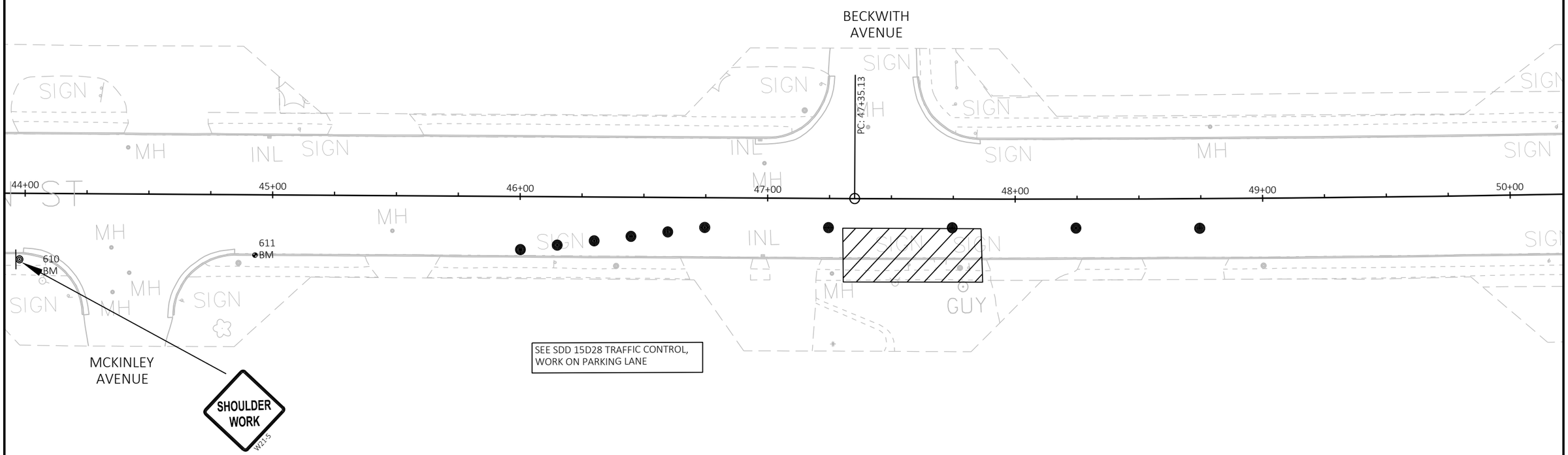
2

2

LEGEND

- TYPE II / III BARRICADE
- TYPE II / III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF
- DIRECTION OF TRAFFIC

N



STAGE 4 WORK AREA

CONCRETE BASE PATCHING

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	TRAFFIC CONTROL - STAGE 4	SHEET 239	E

FILE NAME : N:\PDS\C3D\61803000\SHEETSPLAN\026001-TC.DWG
LAYOUT NAME - Stage 4 - 8

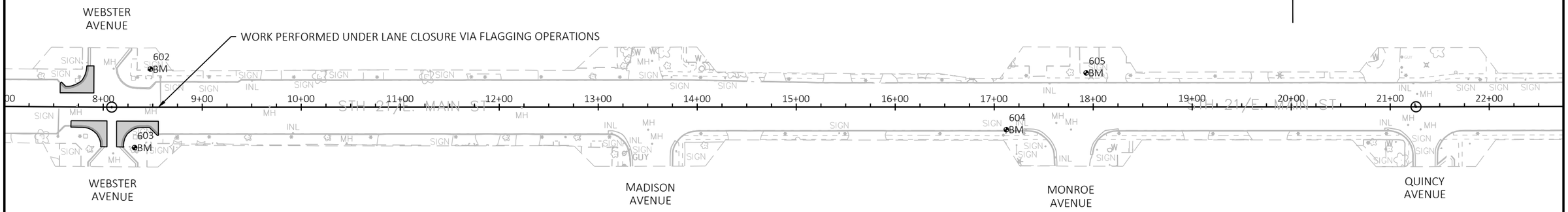
PLOT DATE : 9/22/2025 9:55 AM PLOT BY : DANKE, ERIC A PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

STAGING PLAN OVERVIEW

STAGE 5 WORK AREA

N



STAGE 5 CONSTRUCTION NOTES

1. COMPLETE CURB AND GUTTER & CURB RAMP REPLACEMENTS DURING THIS STAGE

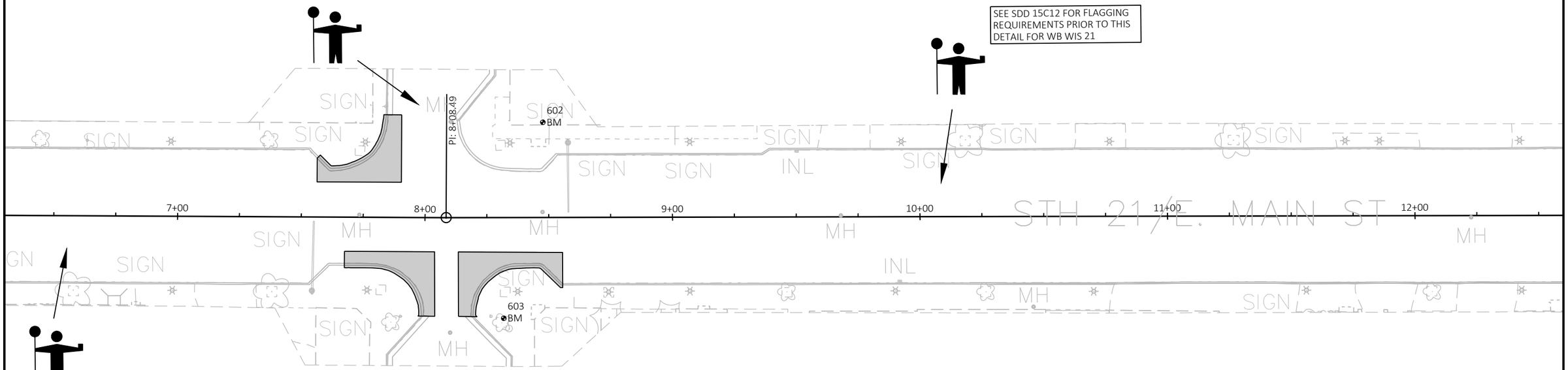
2

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	STAGE 5 OVERVIEW	SHEET 240	E

FILE NAME : N:\PDS\C3D\61803000\SHEETSPLAN\026001-S123456.DWG
LAYOUT NAME - Stage 5
PLOT DATE : 9/22/2025 9:55 AM
PLOT BY : DANKE, ERIC A
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44

2

N



SEE SDD 15C12 FOR FLAGGING REQUIREMENTS PRIOR TO THIS DETAIL FOR WB WIS 21

SEE SDD 15C12 FOR FLAGGING REQUIREMENTS PRIOR TO THIS DETAIL FOR EB WIS 21

STAGE 5 WORK AREA

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	TRAFFIC CONTROL - STAGE 5	SHEET 241	E

FILE NAME : N:\PDS\C3D\61803000\SHEETSPLAN\026001-TC.DWG
LAYOUT NAME - Stage 5 - 1

PLOT DATE : 9/22/2025 9:55 AM PLOT BY : DANKE, ERIC A PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

CTH T

CTH Y

N

DETOUR
M4-8
36"X18"

EAST
M3-2
36"X18"

21
M1-6
36"X36"

MO6-1
30"X30"

14E

DETOUR
M4-8
36"X18"

WEST
M3-4
36"X18"

21
M1-6
36"X36"

MO6-1
30"X30"

14D

RYE RD

USH 45

4
3

FMS

HWY 21 CLOSED
WEST OF HWY 41
USE HWY 45 NORTH

132" X 54"

1
2

WEST
M3-4
36"X18"

21
M1-6
36"X36"

DETOUR AHEAD
W20-2A
48"X48"

5
6

DETOUR
M4-8
36"X18"

WEST
M3-4
36"X18"

21
M1-6
36"X36"

MO5-2R
30"X30"

GREEN VALLEY RD

IH 41

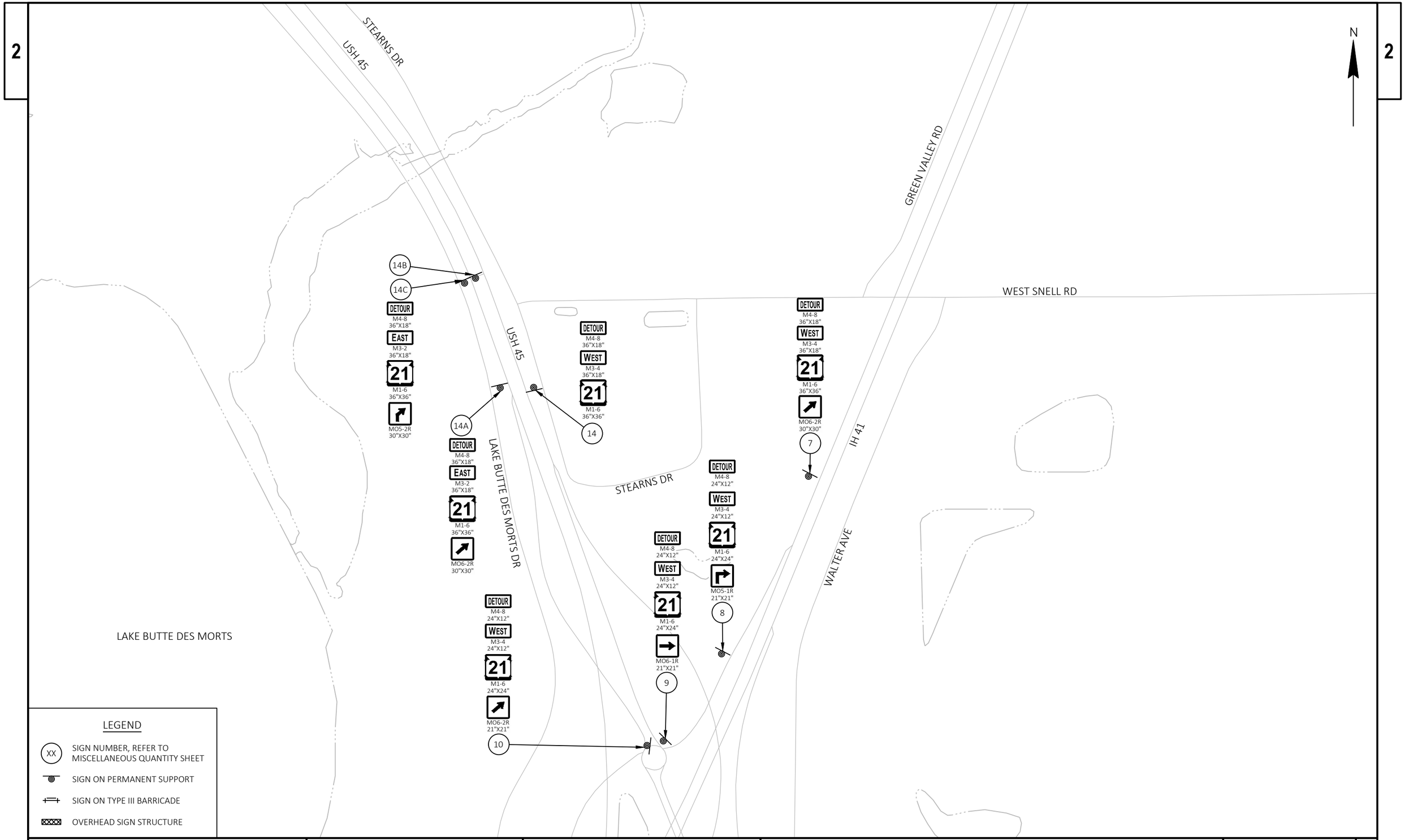
LEGEND

- XX — SIGN NUMBER, REFER TO MISCELLANEOUS QUANTITY SHEET
- SIGN ON PERMANENT SUPPORT
- SIGN ON TYPE III BARRICADE
- OVERHEAD SIGN STRUCTURE

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	DETOUR SIGNING DETAIL - STH 21	SHEET 242	E

FILE NAME : N:\PDS\C3D\61803000\SHEETSPLAN\027003-DT.DWG
LAYOUT NAME - 027001-dt

PLOT DATE : 7/25/2025 6:48 AM PLOT BY : BALDERAS-RUEDEN, ANN PLOT NAME : PLOT SCALE : 1 IN:500 FT



PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	DETOUR SIGNING DETAIL - STH 21	SHEET 243	E

FILE NAME : N:\PDS\C3D\61803000\SHEETSPLAN\027003-DT.DWG
LAYOUT NAME - 027002-dt
PLOT DATE : 7/25/2025 6:48 AM
PLOT BY : BALDERAS-RUEDEN, ANN
PLOT NAME :
PLOT SCALE : 1 IN:500 FT
WISDOT/CADDS SHEET 42

2

N

LAKE BUTTE DES MORTS DR

USH 45

WALTER AVE

WEST FERNAU AVE

STH 45

IH 41

LAKE BUTTE DES MORTS

DETOUR
M4-8
36"X18"
EAST
M3-2
36"X18"
21
M1-6
36"X36"
12

11
DETOUR
M4-8
36"X18"
WEST
M3-4
36"X18"
21
M1-6
36"X36"
MO6-2L
30"X30"

13
DETOUR
M4-8
36"X18"
WEST
M3-4
36"X18"
21
M1-6
36"X36"
MO6-2R
30"X30"

DETOUR
M4-8
36"X18"
WEST
M3-4
36"X18"
21
M1-6
36"X36"
MO5-2R
30"X30"
13A
13B

LEGEND

XX SIGN NUMBER, REFER TO MISCELLANEOUS QUANTITY SHEET

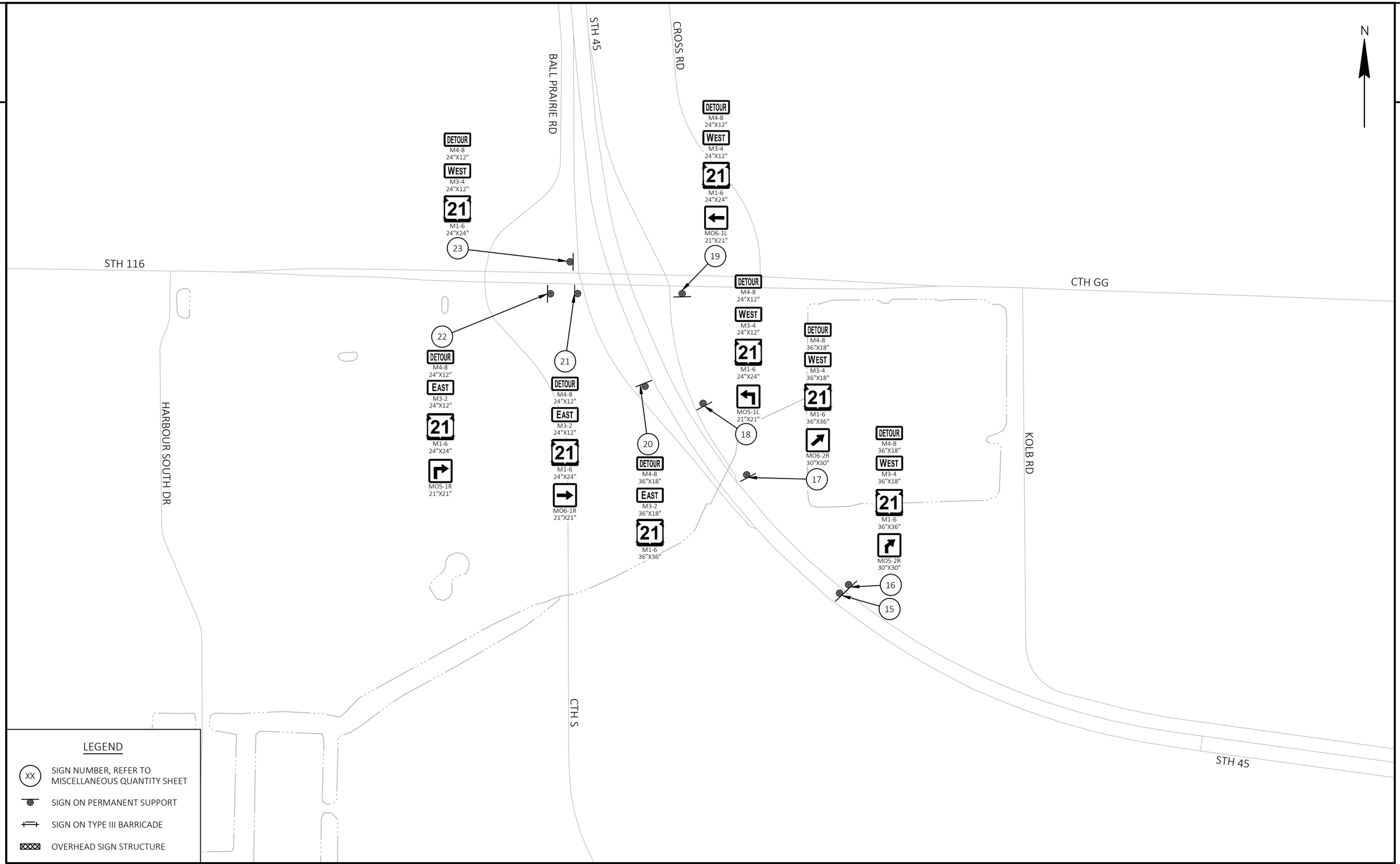
SIGN ON PERMANENT SUPPORT

SIGN ON TYPE III BARRICADE

OVERHEAD SIGN STRUCTURE

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	DETOUR SIGNING DETAIL - STH 21	SHEET 244	E

FILE NAME : N:\PDS\C3D\61803000\SHEETSPLAN\027003-DT.DWG
LAYOUT NAME - 027003-dt
PLOT DATE : 7/25/2025 6:48 AM
PLOT BY : BALDERAS-RUEDEN, ANN
PLOT NAME :
PLOT SCALE : 1 IN:500 FT
WISDOT/CADDS SHEET 42



PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	DETOUR SIGNING DETAIL - STH 21	SHEET 245	E

2

N

QUIGLEY RD

GRANT ST

DETOUR
M4-8
24"X12"
WEST
M3-4
24"X12"
21
M1-6
24"X24"
MO6-1
21"X21"
24

STH 116

25
DETOUR
M4-8
24"X12"
EAST
M3-2
24"X12"
21
M1-6
24"X24"
MO6-1
21"X21"

ACHTERBERG RD

GRANT ST

CTH D

DETOUR
M4-8
24"X12"
WEST
M3-4
24"X12"
21
M1-6
24"X24"
MO6-1
21"X21"
26

STH 116

DETOUR
M4-8
24"X12"
EAST
M3-2
24"X12"
21
M1-6
24"X24"
MO6-1
21"X21"
27

LEGEND

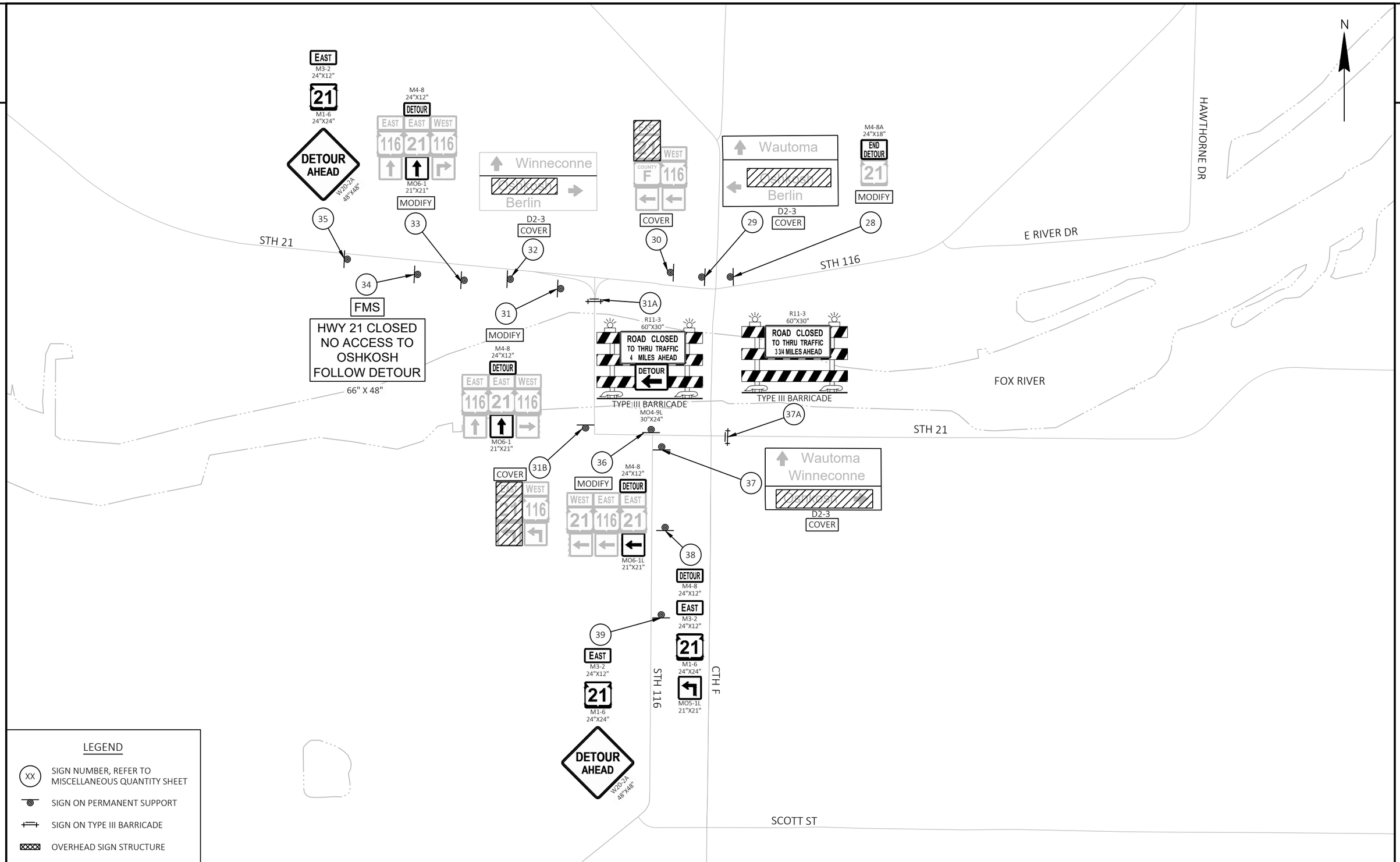
- (XX) SIGN NUMBER, REFER TO MISCELLANEOUS QUANTITY SHEET
- SIGN ON PERMANENT SUPPORT
- SIGN ON TYPE III BARRICADE
- OVERHEAD SIGN STRUCTURE

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	DETOUR SIGNING DETAIL - STH 21	SHEET 246 E

FILE NAME : N:\PDS\C3D\61803000\SHEETSPLAN\027003-DT.DWG
LAYOUT NAME - 027005-dt

PLOT DATE : 7/25/2025 6:49 AM PLOT BY : BALDERAS-RUEDEN, ANN PLOT NAME : PLOT SCALE : 1 IN:500 FT

WISDOT/CADDS SHEET 42



PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	DETOUR SIGNING DETAIL - STH 21	SHEET 247	E

FILE NAME : N:\PDS\C3D\61803000\SHEETSPLAN\027003-DT.DWG
LAYOUT NAME - 027006-dt

PLOT DATE : 7/25/2025 6:49 AM PLOT BY : BALDERAS-RUEDEN, ANN PLOT NAME : PLOT SCALE : 1 IN:500 FT

2

2

N

SPRING BROOK

REIGHMOOR RD

MARQUART LN

WORK ZONE

STH 21

40

PCMS

CTH FF

LEGEND

XX — SIGN NUMBER, REFER TO MISCELLANEOUS QUANTITY SHEET

SIGN ON PERMANENT SUPPORT

SIGN ON TYPE III BARRICADE

OVERHEAD SIGN STRUCTURE

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	DETOUR SIGNING DETAIL - STH 21	SHEET 248	E

FILE NAME : N:\PDS\C3D\61803000\SHEETSPLAN\027003-DT.DWG
LAYOUT NAME - 027007-dt

PLOT DATE : 7/25/2025 6:50 AM PLOT BY : BALDERAS-RUEDEN, ANN PLOT NAME : PLOT SCALE : 1 IN:500 FT

WISDOT/CADDS SHEET 42

2

2

N

MARQUART LN

SANDPIT RD

WORK ZONE

PCMS

41

LEGEND

XX SIGN NUMBER, REFER TO MISCELLANEOUS QUANTITY SHEET

SIGN ON PERMANENT SUPPORT

SIGN ON TYPE III BARRICADE

OVERHEAD SIGN STRUCTURE

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	DETOUR SIGNING DETAIL - STH 21	SHEET 249	E

FILE NAME : N:\PDS\C3D\61803000\SHEETSPLAN\027003-DT.DWG
LAYOUT NAME - 027008-dt

PLOT DATE : 7/25/2025 6:50 AM PLOT BY : BALDERAS-RUEDEN, ANN PLOT NAME : PLOT SCALE : 1 IN:500 FT

WISDOT/CADDS SHEET 42

2

N

FMS
48"X18"

SOUTH
41
Milwaukee
21 EAST
Oshkosh Ave
3/4 MILE
EXIT
ONLY

42

MODIFY/COVER

COVER

42A

LAKE BUTTE DES MORTS

END DETOUR
M4-8A
30"X24"

EAST
M3-2
36"X18"

21
M1-6
36"X36"

45

44

43

IH 41

FMS
48"X18"

SOUTH
41
Milwaukee
21 EAST
Oshkosh Ave
EXIT
ONLY

MODIFY/COVER

FOX RIVER

COVER

46

D1-2

COVER

E6-54A

47

DETOUR
M4-8
24"X12"

WEST
M3-4
24"X12"

21
M1-6
24"X24"

54

BROOKS LN

STH 21

LEGEND

- XX — SIGN NUMBER, REFER TO MISCELLANEOUS QUANTITY SHEET
- SIGN ON PERMANENT SUPPORT
- SIGN ON TYPE III BARRICADE
- OVERHEAD SIGN STRUCTURE

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	DETOUR SIGNING DETAIL - STH 21	SHEET 250	E

FILE NAME : N:\PDS\C3D\61803000\SHEETSPLAN\027003-DT.DWG
LAYOUT NAME - 027009-dt

PLOT DATE : 7/25/2025 6:50 AM PLOT BY : BALDERAS-RUEDEN, ANN PLOT NAME : PLOT SCALE : 1 IN:500 FT

2

2

NOTE
** WESTHAVEN DR CLOSURE 1/4 MILE
** OAKWOOD RD CLOSURE 2/3 MILE
** LEONARDS POINT CLOSURE 2 MILES
** SAND PIT RD CLOSURE 3 1/2 MILES

NOTE
* WESTHAVEN DR CLOSURE - R 11-2 SIGN
* OAKWOOD RD CLOSURE 1/3 MILE
* LEONARDS POINT CLOSURE 1 3/4 MILES
* SAND PIT RD CLOSURE 3 1/4 MILES

NOTE
*** WESTHAVEN DR CLOSURE 1/4 MILE
*** OAKWOOD RD CLOSURE 2/3 MILE
*** LEONARDS POINT CLOSURE 2 MILES
*** SAND PIT RD CLOSURE 3 1/2 MILES

BROOKS LN
IH 41
STH 21
WESTFIELD ST
WESTOWNE AVE
N KOELLER ST
OMRO RD

SOUTH IH 41 Milwaukee
E6-52A COVER
55

Washburn St
E6-52 COVER
51

R11-3 60"X30" ROAD CLOSED TO THRU TRAFFIC XX MILES AHEAD
TYPE III BARRICADE
49 **

COVER
50

R11-3 60"X30" ROAD CLOSED TO THRU TRAFFIC XX MILES AHEAD
TYPE III BARRICADE
53 *

52

SOUTH IH 41 Milwaukee
D1-3
48 COVER

Omro Rd
E6-52 COVER

DETOUR M4-8 24"X12"
WEST M3-4 24"X12"
21 M1-6 24"X24"
MO6-2R 21"X21"
58

R11-3 60"X30" ROAD CLOSED TO THRU TRAFFIC XX MILES AHEAD DETOUR
TYPE III BARRICADE
MO4-9R 30"X24"
59 ***

DETOUR M4-8 24"X12"
WEST M3-4 24"X12"
21 M1-6 24"X24"
MO6-1R 21"X21"
62

DETOUR M4-8 24"X12"
WEST M3-4 24"X12"
21 M1-6 24"X24"
MO5-1R 21"X21"
63
64

HWY 21 CLOSED
NO ACCESS TO
OMRO
FOLLOW DETOUR
66" X 48"
FMS
65
66

68
67
DETOUR AHEAD
WZD-2A 48"X48"

61

60

Omro Rd
E6-54A COVER

NORTH IH 41 Milwaukee
E6-54A COVER

56

Omro Rd
E6-54A COVER

57

TO SOUTH IH 41
Omro Rd
E6-54A COVER

69

Omro Rd
E6-54A COVER

70

Omro Rd
Waukenna
D1-2 COVER

DETOUR M4-8 36"X18"
WEST M3-4 36"X18"
21 M1-6 36"X36"
MO6-1 30"X30"
72

71

FMS 48"X18"
EAST 21
Omro Rd
Oshkosh Ave
MODIFY/COVER

21 Omro Rd
Oshkosh Ave
3/4 MILE

LEGEND
XX SIGN NUMBER, REFER TO MISCELLANEOUS QUANTITY SHEET
SIGN ON PERMANENT SUPPORT
SIGN ON TYPE III BARRICADE
OVERHEAD SIGN STRUCTURE

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	DETOUR SIGNING DETAIL - STH 21	SHEET 251	E

FILE NAME : N:\PDS\C3D\61803000\SHEETSPLAN\027004-DT.DWG
LAYOUT NAME - 027010-dt
PLOT DATE : 7/25/2025 6:51 AM
PLOT BY : BALDERAS-RUEDEN, ANN
PLOT NAME :
PLOT SCALE : 1:300

2

N

SAWYER CREEK

72A

COVER

73

74

DETOUR
M4-8
36"X18"

WEST
M3-4
36"X18"

21
M1-6
36"X36"

M06-1
30"X30"

FMS
48"X18"

EAST
21
Oshkosh Ave
3/4 MILE

MODIFY/COVER

75

N WASHBURN ST

IH 41

N KOELLER RD

N WESTFIELD ST

77

76

HWY 21 CLOSED
WEST OF HWY 41
USE HWY 45 NORTH

132" X 54"

FMS

WEST
M3-4
36"X18"

21
M1-6
30"X30"

DETOUR AHEAD
W20-2A
48"X48"

79

78

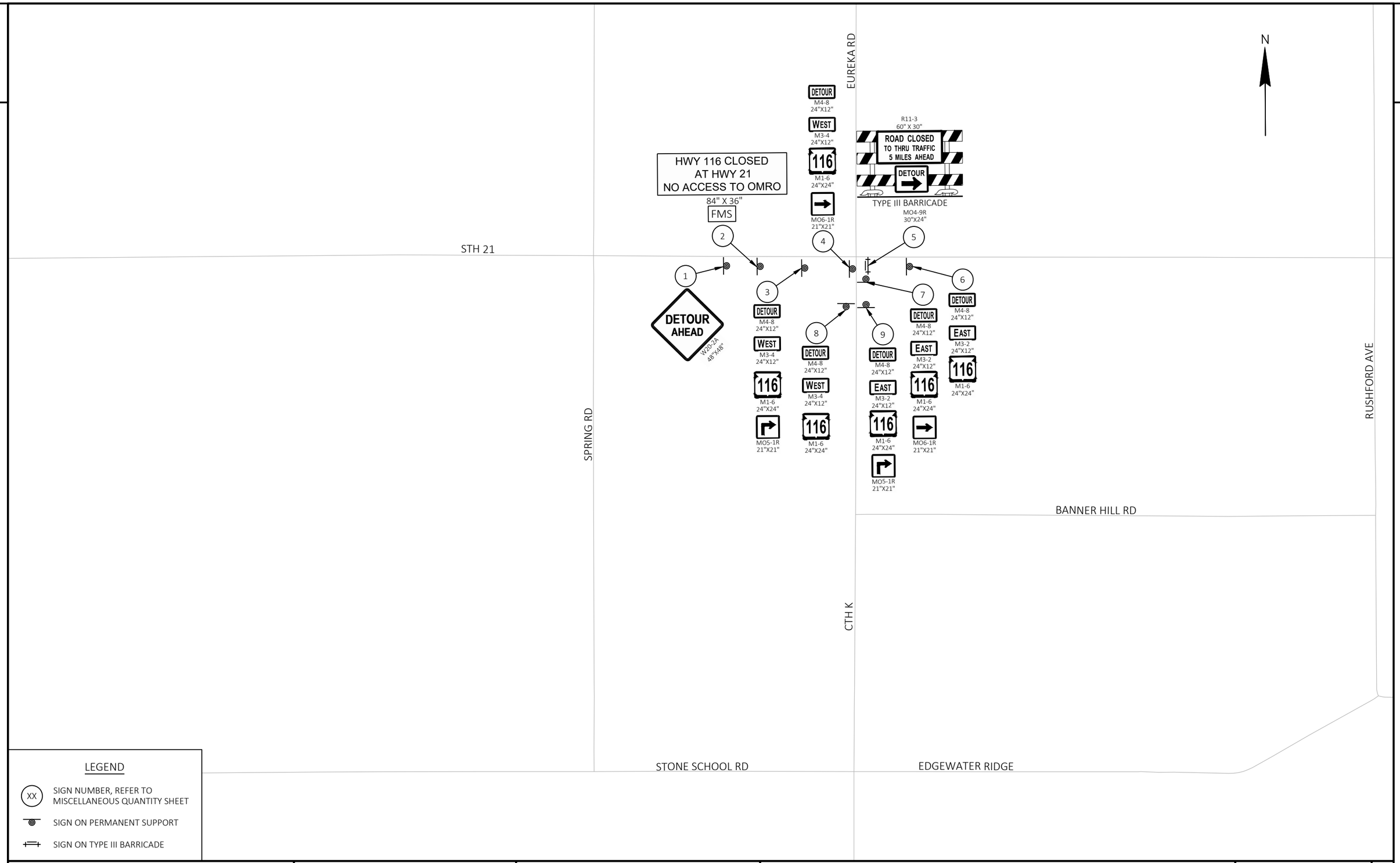
LEGEND

- XX — SIGN NUMBER, REFER TO MISCELLANEOUS QUANTITY SHEET
- SIGN ON PERMANENT SUPPORT
- SIGN ON TYPE III BARRICADE
- OVERHEAD SIGN STRUCTURE

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	DETOUR SIGNING DETAIL - STH 21	SHEET 252	E

FILE NAME : N:\PDS\C3D\61803000\SHEETSPLAN\027004-DT.DWG
LAYOUT NAME - 027011-dt

PLOT DATE : 7/25/2025 6:51 AM PLOT BY : BALDERAS-RUEDEN, ANN PLOT NAME : PLOT SCALE : 1:300



PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	DETOUR SIGNING DETAIL - STH 116	SHEET 253	E

FILE NAME : N:\PDS\C3D\61803000\SHEETSPLAN\027001-DT.DWG
LAYOUT NAME - 027001-dt

PLOT DATE : 7/25/2025 6:52 AM PLOT BY : BALDERAS-RUEDEN, ANN PLOT NAME : PLOT SCALE : 1:900

WISDOT/CADDS SHEET 42

2

N

BELL SCHOOL RD

FOX LN

CTH K

CTH E

FOX RIVER

EUREKA LOCK RD

LIBERTY ST

QUARRY DR

DIVISION ST

ANN ST

FRANKLIN ST

UNION ST

STATE ST

FAIRVIEW RD

MORROW RD

10 — DETOUR M4-8 24"X12" / WEST M3-4 24"X12" / 116 M1-6 24"X24" / MO6-1 21"X21"

11 — DETOUR M4-8 24"X12" / EAST M3-2 24"X12" / 116 M1-6 24"X24" / MO6-1 21"X21"

12 — DETOUR M4-8 24"X12" / WEST M3-4 24"X12" / 116 M1-6 24"X24" / MO5-1L 21"X21"

13 — DETOUR M4-8 24"X12" / EAST M3-2 24"X12" / 116 M1-6 24"X24"

16 — DETOUR M4-8 24"X12" / EAST M3-2 24"X12" / 116 M1-6 24"X24" / MO6-1R 21"X21"

18 — DETOUR M4-8 24"X12" / EAST M3-2 24"X12" / 116 M1-6 24"X24" / MO5-1R 21"X21"

14 — DETOUR M4-8 24"X12" / WEST M3-4 24"X12" / 116 M1-6 24"X24" / MO6-1L 21"X21"

15 — DETOUR M4-8 24"X12" / WEST M3-4 24"X12" / 116 M1-6 24"X24"

17 — DETOUR M4-8 24"X12" / WEST M3-4 24"X12" / 116 M1-6 24"X24"

19 — DETOUR M4-8 24"X12" / WEST M3-4 24"X12" / 116 M1-6 24"X24" / MO6-1 21"X21"

20 — DETOUR M4-8 24"X12" / EAST M3-2 24"X12" / 116 M1-6 24"X24" / MO6-1 21"X21"

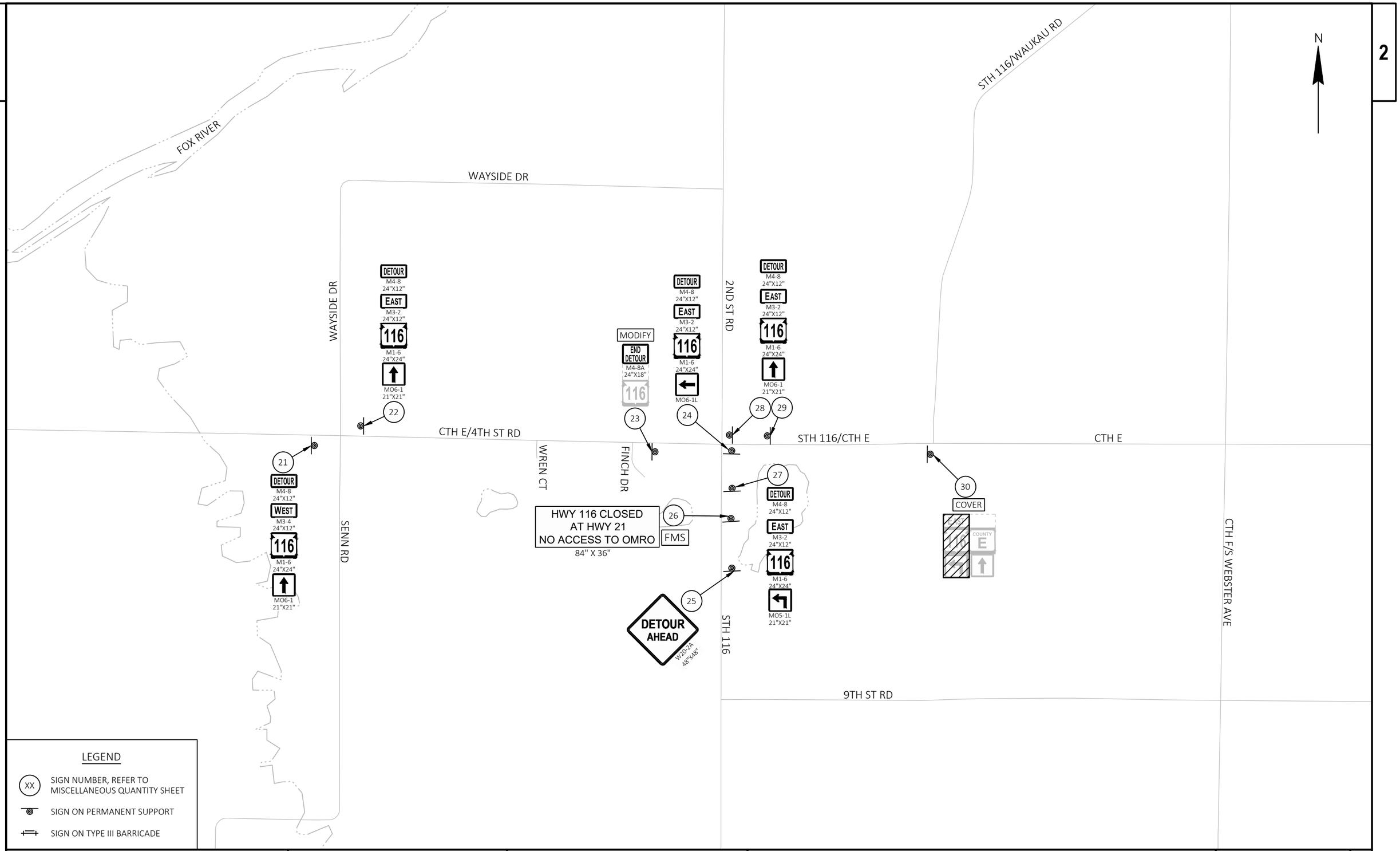
LEGEND

- (XX) SIGN NUMBER, REFER TO MISCELLANEOUS QUANTITY SHEET
- SIGN ON PERMANENT SUPPORT
- SIGN ON TYPE III BARRICADE

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	DETOUR SIGNING DETAIL - STH 116	SHEET 254	E

FILE NAME : N:\PDS\C3D\61803000\SHEETSPLAN\027001-DT.DWG
LAYOUT NAME - 027002-dt

PLOT DATE : 7/25/2025 6:52 AM PLOT BY : BALDERAS-RUEDEN, ANN PLOT NAME : PLOT SCALE : 1:900



PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	DETOUR SIGNING DETAIL - STH 116	SHEET 255	E

FILE NAME : N:\PDS\C3D\61803000\SHEETSPLAN\027001-DT.DWG
LAYOUT NAME - 027003-dt

PLOT DATE : 7/25/2025 6:52 AM PLOT BY : BALDERAS-RUEDEN, ANN PLOT NAME : PLOT SCALE : 1:900

2

N

BRODERICK RD

GINNOW RD

CTH F/POYGAN RD

WEBSTER AVE

STH 21

BRODERICK RD

SPRUCE ST

CEDAR ST

STH 116

STH 21/MAIN ST

HURON ST

FOX RIVER

WASHINGTON AVE

ADAMS AVE

JEFFERSON AVE

CTH F/WEBSTER AVE

MADISON AVE

WORK ZONE

49
DETOUR
M4-8
24"X12"
EAST
M3-2
24"X12"
116
M1-6
24"X24"
MO6-1
21"X21"

48
DETOUR
M4-8
24"X12"
WEST
M3-4
24"X12"
116
M1-6
24"X24"
MO6-1
21"X21"

47A
MODIFY
END DETOUR
M4-8A
24"X18"
JCT 116 COUNTY F
JCT 116 COUNTY F

47
COVER
EAST 116 EAST 21 WEST 116
Winneconne
D1-3

46
COVER
D1-3

44
DETOUR
M4-8
24"X12"
WEST
M3-4
24"X12"
116
M1-6
24"X24"

43
R11-4
60" X 30"
ROAD CLOSED TO THRU TRAFFIC
DETOUR
TYPE III BARRICADE
MO4-9R
30"X24"

45
COVER
EAST 116 COUNTY F EAST 21 WEST 116

38
PCMS

37
R11-2
48" X 30"
ROAD CLOSED
TYPE III BARRICADE

39
PCMS

36
COVER
WEST 21 EAST 116 EAST 21

34
COVER
Wautoma
Winneconne
D1-3

35
COVER
116 COUNTY F

42
MODIFY

41
DETOUR
M4-8
24"X12"
EAST 21 WEST 116
MO6-1
21"X21"
Wautoma
D1-3
COVER

40
DETOUR AHEAD
W20-2A
48"X48"

LEGEND

- XX — SIGN NUMBER, REFER TO MISCELLANEOUS QUANTITY SHEET
- SIGN ON PERMANENT SUPPORT
- SIGN ON TYPE III BARRICADE

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	DETOUR SIGNING DETAIL - STH 116	SHEET 256	E

FILE NAME : N:\PDS\C3D\61803000\SHEETSPLAN\027002-DT.DWG
LAYOUT NAME - 027004-dt
PLOT DATE : 7/25/2025 6:53 AM
PLOT BY : BALDERAS-RUEDEN, ANN
PLOT NAME :
PLOT SCALE : 1:700
WISDOT/CADDS SHEET 42

2

2

N

DETOUR
M4-8
24"X12"
WEST
M3-4
24"X12"
116
M1-6
24"X24"
MO6-1
21"X21"
50

POYGAN AVE

O RIELLEY RD

STH 21

51
DETOUR
M4-8
24"X12"
EAST
M3-2
24"X12"
116
M1-6
24"X24"
MO6-1
21"X21"

RUSHFORD AVE

EDGEWATER RIDGE

FOX RIVER

EDGEWATER RIDGE

FERRY LN

LEGEND

XX SIGN NUMBER, REFER TO MISCELLANEOUS QUANTITY SHEET

SIGN ON PERMANENT SUPPORT

SIGN ON TYPE III BARRICADE

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	DETOUR SIGNING DETAIL - STH 116	SHEET 257	E

FILE NAME : N:\PDS\C3D\61803000\SHEETSPLAN\027001-DT.DWG
LAYOUT NAME - 027005-dt

PLOT DATE : 7/25/2025 6:53 AM PLOT BY : BALDERAS-RUEDEN, ANN PLOT NAME : PLOT SCALE : Custom

WISDOT/CADDS SHEET 42

2

PI 'WB' STA = 403+34.50
Y = 478932.064
X = 757086.029
DELTA = 002°44'17.4"
D = 000°57'17.7"
T = 143.40'
L = 286.74'
R = 6000.00'
PC 'WB' STA = 401+91.10
Y = 478932.714
X = 756942.632
PT 'WB' STA = 404+77.84
Y = 478938.265
X = 757229.292
BK = S89° 44' 24.4"E
AH = N87° 31' 18.1"E

BP: 397'WB+15.23

PC: 401'WB+91.10

STH 21

S89°44'24.4"E

193'EB'

398'WB'

194'EB'

399'WB'

195'EB'

S89°44'24.4"E

400'WB'

196'EB'

401'WB'

S86°41'18.1"E

197'EB'

402'WB'

198'EB'

MATCH LINE STA 198+50

PC: 192'EB+74.40

STA 192+74.40 STH 21 EB RL (6180-30-72_73) =
STA 397+15.23 STH 21 WB RL CTH FF (6180-30-72)
Y=478,934.873
X=756,466.770

PT: 195'EB+93.98

PC: 197'EB+14.61

PI 'EB' STA = 194+34.23
Y = 478934.148
X = 756626.596
DELTA = 003°03'06.4"
D = 000°57'17.7"
T = 159.83'
L = 319.58'
R = 6000.00'
PC 'EB' STA = 192+74.40
Y = 478934.873
X = 756466.770
PT 'EB' STA = 195+93.98
Y = 478924.915
X = 756786.157
BK = S89° 44' 24.4"E
AH = S86° 41' 18.1"E

PI 'EB' STA = 198+27.29
Y = 478911.438
X = 757019.075
DELTA = 008°35'30.7"
D = 003°49'11.0"
T = 112.68'
L = 224.93'
R = 1500.00'
PC 'EB' STA = 197+14.61
Y = 478917.947
X = 756906.585
PT 'EB' STA = 199+39.54
Y = 478921.807
X = 757131.275
BK = S86° 41' 18.1"E
AH = N84° 43' 11.2"E

N

2

PROJECT NO: 6180-30-72	HWY: STH 21	COUNTY: WINNEBAGO	ALIGNMENT DETAILS - STH 21 AND CTH FF	SHEET 258	E

PI 'WB' STA = 403+34.50
Y = 478932.064
X = 757086.029
DELTA = 002°44'17.4"
D = 000°57'17.7"
T = 143.40'
L = 286.74'
R = 6000.00'
PC 'WB' STA = 401+91.10
Y = 478932.714
X = 756942.632
PT 'WB' STA = 404+77.84
Y = 478938.265
X = 757229.292
BK = S89° 44' 24.4"E
AH = N87° 31' 18.1"E

PI 'WB' STA = 404+89.24
Y = 478938.757
X = 757240.679
DELTA = 007°40'16.2"
D = 033°42'12.2"
T = 11.40'
L = 22.76'
R = 170.00'
PC 'WB' STA = 404+77.84
Y = 478938.265
X = 757229.292
PT 'WB' STA = 405+00.60
Y = 478940.766
X = 757251.898
BK = N87° 31' 18.1"E
AH = N79° 51' 01.9"E

PI 'WB' STA = 405+27.85
Y = 478945.567
X = 757278.720

PI 'SB' STA = 613+93.78
Y = 479028.898
X = 757350.406
DELTA = 035°39'16.6"
D = 046°34'55.0"
T = 39.56'
L = 76.54'
R = 123.00'
PC 'SB' STA = 613+54.23
Y = 478994.396
X = 757331.059
PT 'SB' STA = 614+30.77
Y = 479068.209
X = 757346.015
BK = N29° 16' 52.1"E
AH = N06° 22' 24.5"W

PI 'NB' STA = 513+56.04
Y = 478993.064
X = 757367.633

PI 'NB' STA = 514+05.86
Y = 479041.530
X = 757356.112
DELTA = 009°29'01.3"
D = 024°54'40.4"
T = 19.08'
L = 38.07'
R = 230.00'
PC 'NB' STA = 513+86.78
Y = 479022.968
X = 757360.524
PT 'NB' STA = 514+24.85
Y = 479060.564
X = 757354.818
BK = N13° 22' 18.5"W
AH = N03° 53' 17.2"W

PI 'NB' STA = 516+61.34
Y = 479296.511
X = 757338.782
DELTA = 004°30'51.5"
D = 000°57'17.7"
T = 236.49'
L = 472.74'
R = 6000.00'
PC 'NB' STA = 514+24.85
Y = 479060.564
X = 757354.818
PT 'NB' STA = 518+97.59
Y = 479532.987
X = 757341.367
BK = N03° 53' 17.2"W
AH = N00° 37' 34.3"E

PI 'WB' STA = 407+04.18
Y = 478921.505
X = 757449.968
DELTA = 035°38'13.0"
D = 047°21'06.8"
T = 38.89'
L = 75.26'
R = 121.00'
PC 'WB' STA = 406+65.29
Y = 478940.578
X = 757416.074
PT 'WB' STA = 407+40.55
Y = 478925.751
X = 757488.628
BK = S60° 37' 55.4"E
AH = N83° 43' 51.6"E

PI 'WB' STA = 409+41.33
Y = 478947.676
X = 757688.204
DELTA = 009°13'10.8"
D = 003°49'11.0"
T = 120.95'
L = 241.37'
R = 1500.00'
PC 'WB' STA = 408+20.38
Y = 478934.469
X = 757567.981
PT 'WB' STA = 410+61.75
Y = 478941.450
X = 757808.990
BK = N83° 43' 51.6"E
AH = S87° 02' 57.7"E

2

MATCH LINE STA 198+50

MATCH LINE STA 204+50

N

N06°22'24.5"W

16.00'

15.00'

REICHMOOR RD

PT: 614'SB'+30.77

PCC: 514'NB'+24.85

614'SB'

514'NB'

PC: 513'NB'+86.78

N13°22'18.5"W

PC: 613'SB'+54.23

PI: 513'NB'+56.04

22'RA1'

PCC: 21'RA1'+72.09

PT: 23'RA1'+24.16

PCC: 21'RA1'+62.08

PCC: 20'RA1'+10.00

21'RA1'

23'RA1'

PCC: 404'WB'+77.84

PT: 405'WB'+00.60

PCC: 405'WB'+27.85

20.00'

403'WB'

404'WB'

405'WB'

N79°51'01.9"E

STH 21

199'EB'

N84°43'11.2"E

200'EB'

PT: 199'EB'+39.54

PC: 200'EB'+19.44

PT: 200'EB'+88.65

PCC: 406'WB'+65.29

PT: 407'WB'+40.55

PC: 408'WB'+20.38

407'WB'

N83°43'51.6"E

408'WB'

STH 21

203'EB'

204'EB'

N79°21'50.8"E

PI: 202'EB'+25.58

PC: 202'EB'+55.23

PCC: 202'EB'+80.43

PI: 612'SB'+22.72

N10°57'23.8"W

612'SB'

512'NB'

PT: 512'NB'+22.99

PT: 611'SB'+90.95

PC: 511'NB'+51.85

PC: 611'SB'+41.52

611'SB'

N00°50'36.3"E

CTH FF

N02°38'46.2"W

511'NB'

16.00'

PI 'NB' STA = 511+88.53
Y = 478829.133
X = 757339.730
DELTA = 034°32'33.4"
D = 048°33'20.7"
T = 36.69'
L = 71.14'
R = 118.00'
PC 'NB' STA = 511+51.85
Y = 478792.484
X = 757341.424
PT 'NB' STA = 512+22.99
Y = 478860.281
X = 757359.115
BK = N02° 38' 46.2"W
AH = N31° 53' 47.2"E

PI 'EB' STA = 202+25.58
Y = 478907.298
X = 757414.237

PI 'EB' STA = 202+67.85
Y = 478915.099
X = 757455.775
DELTA = 006°52'39.7"
D = 027°17'01.3"
T = 12.62'
L = 25.21'
R = 210.00'
PC 'EB' STA = 202+55.23
Y = 478912.770
X = 757443.373
PT 'EB' STA = 202+80.43
Y = 478915.926
X = 757468.367
BK = N79° 21' 50.8"E
AH = N86° 14' 30.4"E

PI 'EB' STA = 204+90.62
Y = 478929.703
X = 757678.099
DELTA = 004°00'45.2"
D = 000°57'17.7"
T = 210.18'
L = 420.19'
R = 6000.00'
PC 'EB' STA = 202+80.43
Y = 478915.926
X = 757468.367
PT 'EB' STA = 207+00.63
Y = 478928.770
X = 757888.280
BK = N86° 14' 30.4"E
AH = S89° 44' 44.3"E

PI 'EB' STA = 198+27.29
Y = 478911.438
X = 757019.075
DELTA = 008°35'30.7"
D = 003°49'11.0"
T = 112.68'
L = 224.93'
R = 1500.00'
PC 'EB' STA = 197+14.61
Y = 478917.947
X = 756906.585
PT 'EB' STA = 199+39.54
Y = 478921.807
X = 757131.275
BK = S86° 41' 18.1"E
AH = N84° 43' 11.2"E

PI 'EB' STA = 200+55.13
Y = 478932.444
X = 757246.371
DELTA = 034°28'45.9"
D = 049°49'20.7"
T = 35.69'
L = 69.20'
R = 115.00'
PC 'EB' STA = 200+19.44
Y = 478929.160
X = 757210.836
PT 'EB' STA = 200+88.65
Y = 478915.035
X = 757277.522
BK = N84° 43' 11.2"E
AH = S60° 48' 02.9"E

PI 'SB' STA = 611+66.32
Y = 478807.593
X = 757333.759
DELTA = 011°47'59.4"
D = 023°52'23.7"
T = 24.80'
L = 49.43'
R = 240.00'
PC 'SB' STA = 611+41.52
Y = 478782.794
X = 757333.394
PT 'SB' STA = 611+90.95
Y = 478831.942
X = 757329.045
BK = N00° 50' 36.3"E
AH = N10° 57' 23.1"W

PI 'SB' STA = 612+22.72
Y = 478863.134
X = 757323.007

PI 'RA1' STA = 20+05.01
Y = 478877.468
X = 757345.517
DELTA = 005°43'55.1"
D = 057°17'44.8"
T = 5.01'
L = 10.00'
R = 100.00'
PC 'RA1' STA = 20+00.00
Y = 478877.849
X = 757340.526
PT 'RA1' STA = 20+10.00
Y = 478877.587
X = 757350.522
BK = S85° 38' 05.9"E
AH = N88° 37' 59.0"E

PI 'RA1' STA = 30+08.75
Y = 478901.413
X = 758348.987
DELTA = 174°16'04.9"
D = 114°35'29.6"
T = 998.75'
L = 152.08'
R = 50.00'
PC 'RA1' STA = 20+10.00
Y = 478877.587
X = 757350.522
PT 'RA1' STA = 21+62.08
Y = 478977.428
X = 757353.135
BK = N88° 37' 59.0"E
AH = N85° 38' 05.9"W

PI 'RA1' STA = 21+67.09
Y = 478977.809
X = 757348.143
DELTA = 005°43'55.1"
D = 057°17'44.8"
T = 5.01'
L = 10.00'
R = 100.00'
PC 'RA1' STA = 21+62.08
Y = 478977.428
X = 757353.135
PT 'RA1' STA = 21+72.09
Y = 478977.690
X = 757343.138
BK = N85° 38' 05.9"W
AH = S88° 37' 59.0"W

PI 'RA1' STA = 31+70.84
Y = 478953.864
X = 756344.673
DELTA = 174°16'04.9"
D = 114°35'29.6"
T = 998.75'
L = 152.08'
R = 50.00'
PC 'RA1' STA = 21+72.09
Y = 478977.690
X = 757343.138
PT 'RA1' STA = 23+24.16
Y = 478877.849
X = 757340.526
BK = S88° 37' 59.0"W
AH = S85° 38' 05.9"E

PROJECT NO: 6180-30-72	HWY: STH 21	COUNTY: WINNEBAGO	ALIGNMENT DETAILS - STH 21 AND CTH FF	SHEET 259	E

FILE NAME : N:\3001091.00\CIVIL 3D\SHEETSPLAN\61803071-027200-AD.DWG
LAYOUT NAME - 61803071-027202-ad
PLOT DATE : 7/16/2025 9:27 AM
PLOT BY : MATT TOMSOVIC
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

PI 'NW1' STA = 6+20.63
Y = 478955.638
X = 757159.890
DELTA = 007°52'01.8"
D = 019°05'54.9"
T = 20.63'
L = 41.19'
R = 300.00'
PC 'NW1' STA = 6+00.00
Y = 478955.053
X = 757139.269
PT 'NW1' STA = 6+41.19
Y = 478953.394
X = 757180.396
BK = N88° 22' 35.4"E
AH = S83° 45' 22.7"E

PI 'NW1' STA = 6+95.00
Y = 478947.542
X = 757233.882
DELTA = 031°37'21.4"
D = 030°09'20.4"
T = 53.81'
L = 104.86'
R = 190.00'
PC 'NW1' STA = 6+41.19
Y = 478953.394
X = 757180.396
PT 'NW1' STA = 7+46.06
Y = 478970.603
X = 757282.494
BK = S83° 45' 22.7"E
AH = N64° 37' 15.8"E

PI 'NW1' STA = 7+70.03
Y = 478980.876
X = 757304.149
DELTA = 035°26'43.2"
D = 076°23'39.7"
T = 23.97'
L = 46.40'
R = 75.00'
PC 'NW1' STA = 7+46.06
Y = 478970.603
X = 757282.494
PT 'NW1' STA = 7+92.45
Y = 479001.804
X = 757315.834
BK = N64° 37' 15.8"E
AH = N29° 10' 32.6"E

PI 'NW1' STA = 8+37.34
Y = 479040.992
X = 757337.714
DELTA = 041°00'51.2"
D = 047°44'47.3"
T = 44.88'
L = 85.90'
R = 120.00'
PC 'NW1' STA = 7+92.45
Y = 479001.804
X = 757315.834
PT 'NW1' STA = 8+78.35
Y = 479084.921
X = 757328.506
BK = N29° 10' 32.6"E
AH = N11° 50' 18.5"W

PI 'NW1' STA = 8+83.13
Y = 479089.592
X = 757327.527
DELTA = 005°27'54.0"
D = 057°17'44.8"
T = 4.77'
L = 9.54'
R = 100.00'
PC 'NW1' STA = 8+78.35
Y = 479084.921
X = 757328.506
PT 'NW1' STA = 8+87.89
Y = 479094.335
X = 757326.997
BK = N11° 50' 18.5"W
AH = N06° 22' 24.5"W

PI 'NE1' STA = 4+00.00
Y = 478951.373
X = 757538.542

PI 'NE1' STA = 4+75.57
Y = 478933.200
X = 757465.185
DELTA = 042°22'34.2"
D = 048°33'20.7"
T = 45.74'
L = 87.27'
R = 118.00'
PC 'NE1' STA = 4+29.83
Y = 478944.199
X = 757509.584
PT 'NE1' STA = 5+17.11
Y = 478954.999
X = 757424.973
BK = S76° 05' 09.1"W
AH = N61° 32' 16.7"W

PI 'NE1' STA = 5+41.10
Y = 478966.435
X = 757403.878
DELTA = 035°28'59.3"
D = 076°23'39.7"
T = 24.00'
L = 46.45'
R = 75.00'
PC 'NE1' STA = 5+17.11
Y = 478954.999
X = 757424.973
PT 'NE1' STA = 5+63.55
Y = 478987.992
X = 757393.338
BK = N61° 32' 16.7"W
AH = N26° 03' 17.4"W

PI 'NE1' STA = 6+12.96
Y = 479032.380
X = 757371.636
DELTA = 022°21'34.7"
D = 022°55'05.9"
T = 49.41'
L = 97.56'
R = 250.00'
PC 'NE1' STA = 5+63.55
Y = 478987.992
X = 757393.338
PT 'NE1' STA = 6+61.12
Y = 479081.687
X = 757368.451
BK = N26° 03' 17.4"W
AH = N03° 41' 42.7"W

MATCH LINE STA 198+50

MATCH LINE STA 204+50

N06°

16.00'

15.00'

EP: 8'NW1'+87.89

PRC: 8'NW1'+78.35

REIGHMOOR RD

EP: 6'NE1'+61.12

6'NE1'

PCC: 7'NW1'+92.45

8'NW1'

PCC: 7'NW1'+46.06

PCC: 5'NE1'+63.55

BP: 6'NW1'+00.00

PRC: 6'NW1'+41.19

PT: 30'RA3'+63.89

PC: 31'RA3'+07.17

PCC: 31'RA3'+15.32

PCC: 5'NE1'+17.11

PC: 4'NE1'+29.83

BP: 4'NE1'+00.00

N

20.00'

STH 21

7'NW1'

PCC: 30'RA3'+53.49

N85°54'17.5"E 31'RA3'

5'NE1'

S76°05'09.1"W

STH 21

N77°09'20.9"E

3'SW1'

S89°54'16.4"E 8'SE1'

7'SE1'

S86°17'07.3"W 32'RA3'

PCC: 31'RA3'+71.29

BP: 2'SW1'+00.00

PC: 2'SW1'+30.71

PCC: 3'SW1'+09.46

PC: 32'RA3'+20.09

PT: 31'RA3'+79.08

PI: 7'SE1'+36.63

EP: 8'SE1'+21.81

PCC: 3'SW1'+56.43

EP: 32'RA3'+27.61

6'SE1'

PCC: 6'SE1'+29.92

PCC: 5'SE1'+92.98

4'SW1'

PRC: 5'SE1'+09.71

BP: 5'SE1'+00.00

PT: 4'SW1'+66.34

S02°12'20.4"W

SW1'

CTH FF

16.00'

PI 'SW1' STA = 2+00.00
Y = 478904.415
X = 757160.610

PI 'SW1' STA = 2+71.79
Y = 478920.374
X = 757230.604
DELTA = 040°16'56.3"
D = 051°09'25.0"
T = 41.08'
L = 78.74'
R = 112.00'
PC 'SW1' STA = 2+30.71
Y = 478911.243
X = 757190.554
PT 'SW1' STA = 3+09.46
Y = 478901.446
X = 757267.061
BK = N77° 09' 20.9"E
AH = S62° 33' 42.7"E

PI 'SW1' STA = 3+33.92
Y = 478890.173
X = 757288.774
DELTA = 039°34'33.8"
D = 084°15'30.6"
T = 24.47'
L = 46.97'
R = 68.00'
PC 'SW1' STA = 3+09.46
Y = 478901.446
X = 757267.061
PT 'SW1' STA = 3+56.43
Y = 478867.650
X = 757298.328
BK = S62° 33' 42.7"E
AH = S22° 59' 08.9"E

PI 'SW1' STA = 4+12.29
Y = 478816.223
X = 757320.142
DELTA = 025°11'29.3"
D = 022°55'05.9"
T = 55.86'
L = 109.92'
R = 250.00'
PC 'SW1' STA = 3+56.43
Y = 478867.650
X = 757298.328
PT 'SW1' STA = 4+66.34
Y = 478760.402
X = 757317.992
BK = S22° 59' 08.9"E
AH = S02° 12' 20.4"W

PI 'SW1' STA = 5+05.46
Y = 478721.316
X = 757316.487

PI 'SE1' STA = 5+04.86
Y = 478771.912
X = 757358.392
DELTA = 005°33'50.6"
D = 057°17'44.8"
T = 4.86'
L = 9.71'
R = 100.00'
PC 'SE1' STA = 5+00.00
Y = 478767.058
X = 757358.616
PT 'SE1' STA = 5+09.71
Y = 478776.721
X = 757357.698
BK = N02° 38' 46.2"W
AH = N08° 12' 36.8"W

PI 'SE1' STA = 5+53.38
Y = 478819.941
X = 757351.462
DELTA = 042°35'59.8"
D = 051°09'25.0"
T = 43.67'
L = 83.27'
R = 112.00'
PC 'SE1' STA = 5+09.71
Y = 478776.721
X = 757357.698
PT 'SE1' STA = 5+92.98
Y = 478855.975
X = 757376.126
BK = N08° 12' 36.8"W
AH = N34° 23' 23.0"E

PI 'SE1' STA = 6+11.89
Y = 478871.577
X = 757386.804
DELTA = 030°13'44.7"
D = 081°51'04.0"
T = 18.91'
L = 36.93'
R = 70.00'
PC 'SE1' STA = 5+92.98
Y = 478855.975
X = 757376.126
PT 'SE1' STA = 6+29.92
Y = 478879.681
X = 757403.886
BK = N34° 23' 23.0"E
AH = N64° 37' 07.7"E

PI 'SE1' STA = 6+84.17
Y = 478902.937
X = 757452.904
DELTA = 025°28'35.9"
D = 023°52'23.7"
T = 54.26'
L = 106.72'
R = 240.00'
PC 'SE1' STA = 6+29.92
Y = 478879.681
X = 757403.886
PT 'SE1' STA = 7+36.63
Y = 478902.847
X = 757507.159
BK = N64° 37' 07.7"E
AH = S89° 54' 16.4"E

PI 'SE1' STA = 8+21.81
Y = 478902.705
X = 757592.341

PI 'RA3' STA = 30+34.95
Y = 478922.094
X = 757294.469
DELTA = 088°18'34.8"
D = 159°09'17.8"
T = 34.95'
L = 55.49'
R = 36.00'
PC 'RA3' STA = 30+00.00
Y = 478899.896
X = 757321.468
PT 'RA3' STA = 30+55.49
Y = 478949.737
X = 757315.861
BK = N50° 34' 27.6"W
AH = N37° 44' 07.2"E

PI 'RA3' STA = 30+59.96
Y = 478953.272
X = 757318.597
DELTA = 048°10'10.3"
D = 572°57'28.1"
T = 4.47'
L = 8.41'
R = 10.00'
PC 'RA3' STA = 30+55.49
Y = 478949.737
X = 757315.861
PT 'RA3' STA = 30+63.89
Y = 478953.591
X = 757323.055
BK = N37° 44' 07.2"E
AH = N85° 54' 17.5"E

PI 'RA3' STA = 31+11.49
Y = 478956.990
X = 757370.527
DELTA = 046°42'40.5"
D = 572°57'28.1"
T = 4.32'
L = 8.15'
R = 10.00'
PC 'RA3' STA = 31+07.17
Y = 478956.681
X = 757366.220
PT 'RA3' STA = 31+15.32
Y = 478954.066
X = 757373.705
BK = N85° 54' 17.5"E
AH = S47° 23' 02.1"E

PI 'RA3' STA = 31+50.75
Y = 478930.078
X = 757399.777
DELTA = 089°05'02.3"
D = 159°09'17.8"
T = 35.43'
L = 55.97'
R = 36.00'
PC 'RA3' STA = 31+15.32
Y = 478954.066
X = 757373.705
PT 'RA3' STA = 31+71.29
Y = 478903.625
X = 757376.208
BK = S47° 23' 02.1"E
AH = S41° 42' 00.2"W

PI 'RA3' STA = 31+75.39
Y = 478900.564
X = 757373.481
DELTA = 044°35'07.1"
D = 572°57'28.1"
T = 4.10'
L = 7.78'
R = 10.00'
PC 'RA3' STA = 31+71.29
Y = 478903.625
X = 757376.208
PT 'RA3' STA = 31+79.08
Y = 478900.298
X = 757369.390
BK = S41° 42' 00.2"W
AH = S86° 17' 07.3"W

PI 'RA3' STA = 32+24.04
Y = 478897.385
X = 757324.522
DELTA = 043°08'25.1"
D = 572°57'28.1"
T = 3.95'
L = 7.53'
R = 10.00'
PC 'RA3' STA = 32+20.09
Y = 478897.641
X = 757328.467
PT 'RA3' STA = 32+27.61
Y = 478899.896
X = 757321.468
BK = S86° 17' 07.3"W
AH = N50° 34' 27.6"W

PROJECT NO: 6180-30-72	HWY: STH 21	COUNTY: WINNEBAGO	ALIGNMENT DETAILS - STH 21 AND CTH FF	SHEET 260	E

FILE NAME : N:\3001091.00\CIVIL 3D\SHEETSPLAN\61803071-027200-AD.DWG
LAYOUT NAME - 61803071-027203-ad
PLOT DATE : 7/16/2025 9:27 AM
PLOT BY : MATT TOMSOVIC
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

PI 'WB' STA = 409+41.33
Y = 478947.676
X = 757688.204
DELTA = 009°13'10.8"
D = 003°49'11.0"
T = 120.95'
L = 241.37'
R = 1500.00'
PC 'WB' STA = 408+20.38
Y = 478934.469
X = 757567.981
PT 'WB' STA = 410+61.75
Y = 478941.450
X = 757808.990
BK = N83° 43' 51.6"E
AH = S87° 02' 57.7"E

PI 'WB' STA = 413+23.82
Y = 478927.960
X = 758070.706
DELTA = 002°41'46.7"
D = 000°57'17.7"
T = 141.20'
L = 282.36'
R = 6000.00'
PC 'WB' STA = 411+82.61
Y = 478935.229
X = 757929.689
PT 'WB' STA = 414+64.97
Y = 478927.333
X = 758211.909
BK = S87° 02' 57.7"E
AH = S89° 44' 44.3"E

MATCH LINE STA 204+50

PT: 410'WB'+61.75

PC: 411'WB'+82.61

STA 210+24.26 STH 21 EB RL (6180-30-72_73) =
STA 414+64.97 STH 21 WB RL CTH FF (6180-30-72)
Y=478,927.333
X=758,211.909

EP: 414'WB'+64.97

409'WB' 410'WB' 411'WB' S87°02'57.7"E 412'WB' 413'WB' 414'WB'

205'EB' 206'EB' 207'EB' 208'EB' S89°44'44.3"E 209'EB' 210'EB'

STH 21

S89°44'44.3"E

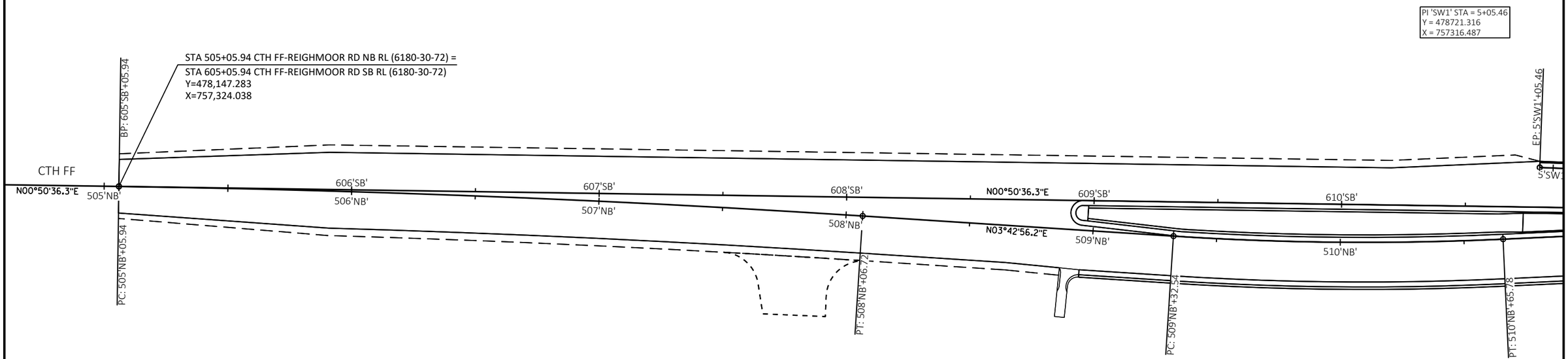
PT: 207'EB'+00.63

N

PI 'EB' STA = 204+90.62
Y = 478929.703
X = 757678.099
DELTA = 004°00'45.2"
D = 000°57'17.7"
T = 210.18'
L = 420.19'
R = 6000.00'
PC 'EB' STA = 202+80.43
Y = 478915.926
X = 757468.367
PT 'EB' STA = 207+00.63
Y = 478928.770
X = 757888.280
BK = N86° 14' 30.4"E
AH = S89° 44' 44.3"E

PROJECT NO: 6180-30-72	HWY: STH 21	COUNTY: WINNEBAGO	ALIGNMENT DETAILS - STH 21 AND CTH FF	SHEET 261	E

2



PI 'NB' STA = 506+56.36	PI 'NB' STA = 509+99.23
Y = 478297.685	Y = 478639.897
X = 757326.252	X = 757348.476
DELTA = 002°52'19.9"	DELTA = 006°21'42.4"
D = 000°57'17.7"	D = 004°46'28.7"
T = 150.42'	T = 66.69'
L = 300.77'	L = 133.24'
R = 6000.00'	R = 1200.00'
PC 'NB' STA = 505+05.94	PC 'NB' STA = 509+32.54
Y = 478147.283	Y = 478573.348
X = 757324.038	X = 757344.154
PT 'NB' STA = 508+06.72	PT 'NB' STA = 510+65.78
Y = 478447.788	Y = 478706.515
X = 757336.000	X = 757345.397
BK = N00° 50' 36.3"E	BK = N03° 42' 56.2"E
AH = N03° 42' 56.2"E	AH = N02° 38' 46.2"W

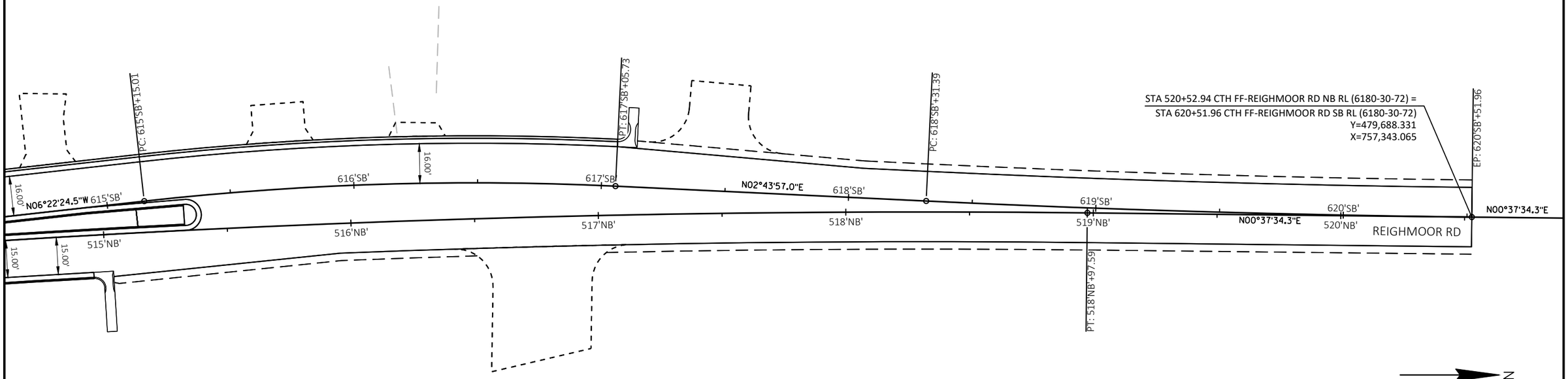
N

PROJECT NO: 6180-30-72	HWY: STH 21	COUNTY: WINNEBAGO	ALIGNMENT DETAILS - CTH FF	SHEET 262	E

2

PI 'SB' STA = 616+10.57
Y = 479246.900
X = 757326.055
DELTA = 009°06'21.4"
D = 004°46'28.7"
T = 95.56'
L = 190.71'
R = 1200.00'
PC 'SB' STA = 615+15.01
Y = 479151.932
X = 757336.663
PT 'SB' STA = 617+05.73
Y = 479342.350
X = 757330.611
BK = N06° 22' 24.5"W
AH = N02° 43' 57.0"E

PI 'SB' STA = 619+41.69
Y = 479578.041
X = 757341.859
DELTA = 002°06'22.6"
D = 000°57'17.7"
T = 110.30'
L = 220.57'
R = 6000.00'
PC 'SB' STA = 618+31.39
Y = 479467.869
X = 757336.601
PT 'SB' STA = 620+51.96
Y = 479688.331
X = 757343.065
BK = N02° 43' 57.0"E
AH = N00° 37' 34.3"E



PI 'NB' STA = 516+61.34
Y = 479296.511
X = 757338.782
DELTA = 004°30'51.5"
D = 000°57'17.7"
T = 236.49'
L = 472.74'
R = 6000.00'
PC 'NB' STA = 514+24.85
Y = 479060.564
X = 757354.818
PT 'NB' STA = 518+97.59
Y = 479532.987
X = 757341.367
BK = N03° 53' 17.2"W
AH = N00° 37' 34.3"E

PROJECT NO: 6180-30-72	HWY: STH 21	COUNTY: WINNEBAGO	ALIGNMENT DETAILS - REIGHMOOR RD	SHEET 263	E

2

PI 'WB' STA = 357+02.62
Y = 478915.369
X = 762449.425
DELTA = 006°22'08.1"
D = 002°16'41.4"
T = 139.93'
L = 279.56'
R = 2515.00'
PC 'WB' STA = 355+62.69
Y = 478915.601
X = 762309.499
PT 'WB' STA = 358+42.26
Y = 478930.659
X = 762588.513
BK = S89° 54' 16.6"E
AH = N83° 43' 35.2"E

STA 245+59.18 STH 21 EB RL (6180-30-72_73) =
STA 350+00.00 STH 21 WB RL AT SAND PIT RD (6180-30-73)
Y=478,916.538
X=761,746.805

BP: 350'WB'+00.00

PC: 355'WB'+62.69

STH 21

S89°54'16.6"E

246'EB'

351'WB'

247'EB'

352'WB'

248'EB'

S89°54'16.6"E

353'WB'

249'EB'

354'WB'

S86°29'46.0"E

250'EB'

355'WB'

251'EB'

MATCH LINE STA 251+50

PC: 245'EB'+59.18

PT: 249'EB'+16.12

PC: 250'EB'+39.15

PI 'EB' STA = 247+37.70
Y = 478916.241
X = 761925.327
DELTA = 003°24'30.6"
D = 000°57'17.7"
T = 178.52'
L = 356.94'
R = 6000.00'
PC 'EB' STA = 245+59.18
Y = 478916.538
X = 761746.805
PT 'EB' STA = 249+16.12
Y = 478905.330
X = 762103.515
BK = S89° 54' 16.6"E
AH = S86° 29' 46.0"E

PI 'EB' STA = 251+57.76
Y = 478890.562
X = 762344.709
DELTA = 011°17'22.9"
D = 004°46'28.7"
T = 118.61'
L = 236.45'
R = 1200.00'
PC 'EB' STA = 250+39.15
Y = 478897.811
X = 762226.321
PT 'EB' STA = 252+75.60
Y = 478906.630
X = 762462.225
BK = S86° 29' 46.0"E
AH = N82° 12' 51.1"E

N

PROJECT NO: 6180-30-73	HWY: STH 21	COUNTY: WINNEBAGO	ALIGNMENT DETAILS - STH 21 AND SAND PIT RD	SHEET 264	E

2

PI 'WB' STA = 357+02.62
Y = 478915.369
X = 762449.425
DELTA = 006°22'08.1"
D = 002°16'41.4"
T = 139.93'
L = 279.56'
R = 2515.00'
PC 'WB' STA = 355+62.69
Y = 478915.601
X = 762309.499
PT 'WB' STA = 358+42.26
Y = 478930.659
X = 762588.513
BK = S89° 54' 16.6"E
AH = N83° 43' 35.2"E

PI 'WB' STA = 358+45.01
Y = 478930.960
X = 762591.250
DELTA = 001°48'09.6"
D = 032°44'25.6"
T = 2.75'
L = 5.51'
R = 175.00'
PC 'WB' STA = 358+42.26
Y = 478930.659
X = 762588.513
PT 'WB' STA = 358+47.76
Y = 478931.347
X = 762593.976
BK = N83° 43' 35.2"E
AH = N81° 55' 25.7"E

PI 'WB' STA = 358+75.33
Y = 478935.219
X = 762621.268

PI 'NB' STA = 606+10.31
Y = 478979.794
X = 762705.262

PI 'NB' STA = 606+50.45
Y = 479019.357
X = 762698.487
DELTA = 007°47'36.6"
D = 031°49'51.6"
T = 12.26'
L = 24.48'
R = 180.00'
PC 'NB' STA = 606+38.19
Y = 479007.272
X = 762700.556
PT 'NB' STA = 606+62.67
Y = 479031.611
X = 762698.075
BK = N09° 43' 00.7"W
AH = N01° 55' 24.1"W

PI 'NB' STA = 608+02.37
Y = 479171.233
X = 762693.387
DELTA = 003°12'03.1"
D = 001°08'45.3"
T = 139.70'
L = 279.33'
R = 5000.00'
PC 'NB' STA = 606+62.67
Y = 479031.611
X = 762698.075
PT 'NB' STA = 609+42.00
Y = 479310.898
X = 762696.501
BK = N01° 55' 24.1"W
AH = N01° 16' 39.0"E

PI 'WB' STA = 360+41.38
Y = 478912.912
X = 762783.231
DELTA = 034°05'31.4"
D = 050°42'15.2"
T = 34.65'
L = 67.24'
R = 113.00'
PC 'WB' STA = 360+06.73
Y = 478928.945
X = 762752.517
PT 'WB' STA = 360+73.97
Y = 478916.851
X = 762817.653
BK = S62° 26' 08.2"E
AH = N83° 28' 20.4"E

PI 'WB' STA = 362+62.85
Y = 478938.324
X = 763005.312
DELTA = 010°06'07.2"
D = 004°46'28.7"
T = 106.06'
L = 211.58'
R = 1200.00'
PC 'WB' STA = 361+56.79
Y = 478926.266
X = 762899.937
PT 'WB' STA = 363+68.36
Y = 478931.711
X = 763111.168
BK = N83° 28' 20.4"E
AH = S86° 25' 32.3"E

PI 'RA2' STA = 23+59.06
Y = 478177.588
X = 761543.073
DELTA = 175°47'09.8"
D = 114°35'29.6"
T = 1359.06'
L = 153.40'
R = 50.00'
PC 'RA2' STA = 10+00.00
Y = 478955.560
X = 762657.433
PT 'RA2' STA = 11+53.40
Y = 478871.573
X = 762711.587
BK = S55° 04' 47.3"W
AH = N59° 17' 37.5"E

PI 'RA2' STA = 12+12.37
Y = 478901.683
X = 762762.286
DELTA = 099°24'29.7"
D = 114°35'29.6"
T = 58.97'
L = 86.75'
R = 50.00'
PC 'RA2' STA = 11+53.40
Y = 478871.573
X = 762711.587
PT 'RA2' STA = 12+40.15
Y = 478946.779
X = 762724.293
BK = N59° 17' 37.5"E
AH = N40° 06' 52.2"W

PI 'RA2' STA = 12+85.81
Y = 478981.698
X = 762694.873
DELTA = 084°48'20.5"
D = 114°35'29.6"
T = 45.66'
L = 74.01'
R = 50.00'
PC 'RA2' STA = 12+40.15
Y = 478946.779
X = 762724.293
PT 'RA2' STA = 13+14.16
Y = 478955.560
X = 762657.433
BK = N40° 06' 52.2"W
AH = S55° 04' 47.3"W

PI 'SB' STA = 806+44.56
Y = 479011.449
X = 762691.482
DELTA = 033°56'04.0"
D = 050°42'15.2"
T = 34.48'
L = 66.93'
R = 113.00'
PC 'SB' STA = 806+10.09
Y = 478981.544
X = 762674.326
PT 'SB' STA = 806+77.01
Y = 479045.838
X = 762689.022
BK = N29° 50' 33.1"E
AH = N04° 05' 31.0"W

PI 'EB' STA = 251+57.76
Y = 478890.562
X = 762344.709
DELTA = 011°17'22.9"
D = 004°46'28.7"
T = 118.61'
L = 236.45'
R = 1200.00'
PC 'EB' STA = 250+39.15
Y = 478897.811
X = 762226.321
PT 'EB' STA = 252+75.60
Y = 478906.630
X = 762462.225
BK = S86° 29' 46.0"E
AH = N82° 12' 51.1"E

PI 'EB' STA = 253+99.20
Y = 478923.374
X = 762584.684
DELTA = 038°09'27.6"
D = 049°49'20.7"
T = 39.77'
L = 76.59'
R = 115.00'
PC 'EB' STA = 253+59.43
Y = 478917.986
X = 762545.276
PT 'EB' STA = 254+36.01
Y = 478903.263
X = 762619.000
BK = N82° 12' 51.1"E
AH = S59° 37' 41.3"E

PI 'SB' STA = 802+83.70
Y = 478656.692
X = 762691.110
DELTA = 007°21'53.3"
D = 002°17'30.6"
T = 160.90'
L = 321.35'
R = 2500.00'
PC 'SB' STA = 801+22.81
Y = 478495.795
X = 762690.773
PT 'SB' STA = 804+44.16
Y = 478816.304
X = 762670.819
BK = N00° 07' 11.9"E
AH = N07° 14' 41.5"W

PI 'SB' STA = 804+46.97
Y = 478819.091
X = 762670.465
DELTA = 001°44'23.4"
D = 030°58'14.5"
T = 2.81'
L = 5.62'
R = 185.00'
PC 'SB' STA = 804+44.16
Y = 478816.304
X = 762670.819
PT 'SB' STA = 804+49.77
Y = 478821.865
X = 762670.026
BK = N07° 14' 41.5"W
AH = N08° 59' 04.9"W

PI 'SB' STA = 804+77.96
Y = 478849.705
X = 762665.624

PI 'EB' STA = 255+68.42
Y = 478894.862
X = 762751.139

PI 'NB' STA = 602+97.83
Y = 478670.615
X = 762700.490
DELTA = 011°25'14.6"
D = 005°27'24.3"
T = 105.00'
L = 209.30'
R = 1050.00'
PC 'NB' STA = 601+92.83
Y = 478565.745
X = 762695.357
PT 'NB' STA = 604+02.13
Y = 478774.425
X = 762684.756
BK = N02° 48' 08.6"E
AH = N08° 37' 06.0"W

PI 'NB' STA = 604+41.53
Y = 478813.380
X = 762678.852
DELTA = 038°07'53.6"
D = 050°15'34.0"
T = 39.40'
L = 75.87'
R = 114.00'
PC 'NB' STA = 604+02.13
Y = 478774.425
X = 762684.756
PT 'NB' STA = 604+78.00
Y = 478847.668
X = 762698.262
BK = N08° 37' 06.0"W
AH = N29° 30' 47.6"E

PI 'EB' STA = 256+20.99
Y = 478907.043
X = 762802.279
DELTA = 008°55'42.0"
D = 022°02'12.6"
T = 20.30'
L = 40.52'
R = 260.00'
PC 'EB' STA = 256+00.69
Y = 478902.340
X = 762782.532
PT 'EB' STA = 256+41.21
Y = 478908.624
X = 762822.516
BK = N76° 36' 11.5"E
AH = N85° 31' 53.5"E

PI 'EB' STA = 257+20.29
Y = 478914.785
X = 762901.355
DELTA = 004°29'41.7"
D = 002°50'36.5"
T = 79.08'
L = 158.08'
R = 2015.00'
PC 'EB' STA = 256+41.21
Y = 478908.624
X = 762822.516
PT 'EB' STA = 257+99.29
Y = 478914.749
X = 762980.435
BK = N85° 31' 53.5"E
AH = S89° 58' 24.8"E

'RA2' RADIUS POINT
Y = 478914.563
X = 762686.055

MATCH LINE STA 251+50

MATCH LINE STA 257+50

STH 21

SAND PIT RD

N

PT: 806'SB'+77.01
PC: 806'SB'+10.09
EP: 13'RA2'+14.16
PCC: 358'WB'+42.26
PT: 358'WB'+47.76
PT: 358'WB'+75.33
PC: 606'NB'+62.67
PC: 606'NB'+38.19
PI: 606'NB'+10.31
PCC: 12'RA2'+40.15
PC: 360'WB'+06.73
PT: 360'WB'+73.97
PC: 361'WB'+56.79
PC: 253'EB'+59.43
PT: 252'EB'+75.60
PT: 254'EB'+36.01
PI: 804'SB'+77.96
PT: 804'SB'+49.77
PCC: 804'SB'+44.16
PRC: 604'NB'+02.13
PCC: 11'RA2'+53.40
PT: 604'NB'+78.00
PI: 255'EB'+68.42
PC: 256'EB'+00.69
PCC: 256'EB'+41.21

807'SB'N04°05'31.4"W
607'NB'
N09°43'00.7"W
N81°55'25.7"E
N82°12'51.1"E
N76°36'11.5"E
N83°28'20.4"E
N08°59'04.9"W

356'WB'
357'WB'
358'WB'
361'WB'
252'EB'
253'EB'
254'EB'
256'EB'
257'EB'
804'SB'
604'NB'

13'RA2'
12'RA2'
11'RA2'

2

PI 'NW2' STA = 30+00.00
Y = 478943.436
X = 762510.468

PI 'NW2' STA = 30+82.57
Y = 478945.954
X = 762592.859
DELTA = 017°54'04.4"
D = 024°22'52.3"
T = 37.01'
L = 73.42'
R = 235.00'
PC 'NW2' STA = 30+45.56
Y = 478942.393
X = 762556.018
PT 'NW2' STA = 31+18.98
Y = 478960.667
X = 762626.822
BK = N84° 28' 44.0"E
AH = N66° 34' 39.6"E

PI 'NW2' STA = 31+43.16
Y = 478970.275
X = 762649.002
DELTA = 038°06'01.6"
D = 081°51'04.0"
T = 24.17'
L = 46.55'
R = 70.00'
PC 'NW2' STA = 31+18.98
Y = 478960.667
X = 762626.822
PT 'NW2' STA = 31+65.53
Y = 478991.522
X = 762660.527
BK = N66° 34' 39.6"E
AH = N28° 28' 38.0"E

PI 'NW2' STA = 31+97.67
Y = 479019.769
X = 762675.849
DELTA = 032°34'09.4"
D = 052°05'13.5"
T = 32.13'
L = 62.53'
R = 110.00'
PC 'NW2' STA = 31+65.53
Y = 478991.522
X = 762660.527
PT 'NW2' STA = 32+28.06
Y = 479051.821
X = 762673.556
BK = N28° 28' 38.0"E
AH = N04° 05' 31.4"W

PI 'NW2' STA = 32+53.00
Y = 479076.699
X = 762671.776

PI 'NE2' STA = 40+00.00
Y = 478942.690
X = 762867.388

PI 'NE2' STA = 40+70.44
Y = 478925.599
X = 762799.050
DELTA = 039°19'08.5"
D = 052°05'13.5"
T = 39.30'
L = 75.49'
R = 110.00'
PC 'NE2' STA = 40+31.14
Y = 478935.133
X = 762837.174
PT 'NE2' STA = 41+06.63
Y = 478942.379
X = 762763.515
BK = S75° 57' 30.8"W
AH = N64° 43' 20.7"W

PI 'NE2' STA = 41+32.75
Y = 478953.530
X = 762739.901
DELTA = 040°55'00.5"
D = 081°51'04.0"
T = 26.11'
L = 49.99'
R = 70.00'
PC 'NE2' STA = 41+06.63
Y = 478942.379
X = 762763.515
PT 'NE2' STA = 41+56.62
Y = 478977.422
X = 762729.361
BK = N64° 43' 20.7"W
AH = N23° 48' 20.2"W

PI 'NE2' STA = 41+95.70
Y = 479013.179
X = 762713.586
DELTA = 022°06'49.4"
D = 028°38'52.4"
T = 39.08'
L = 77.19'
R = 200.00'
PC 'NE2' STA = 41+56.62
Y = 478977.422
X = 762729.361
PT 'NE2' STA = 42+33.81
Y = 479052.244
X = 762712.432
BK = N23° 48' 20.2"W
AH = N01° 41' 30.8"W

PI 'NE2' STA = 42+44.75
Y = 479063.175
X = 762712.109
DELTA = 000°15'05.0"
D = 001°08'57.7"
T = 10.94'
L = 21.87'
R = 4985.00'
PC 'NE2' STA = 42+33.81
Y = 479052.244
X = 762712.432
PT 'NE2' STA = 42+55.69
Y = 479074.108
X = 762711.834
BK = N01° 41' 30.8"W
AH = N01° 26' 25.8"W

PI 'RA4' STA = 40+44.48
Y = 478940.852
X = 762661.023
DELTA = 049°58'47.6"
D = 572°57'28.1"
T = 4.66'
L = 8.72'
R = 10.00'
PC 'RA4' STA = 40+39.82
Y = 478940.933
X = 762665.683
PT 'RA4' STA = 40+48.55
Y = 478937.231
X = 762658.088
BK = S89° 00' 24.6"W
AH = S39° 01' 37.0"W

PI 'RA4' STA = 40+76.95
Y = 478915.166
X = 762640.203
DELTA = 076°32'46.7"
D = 159°09'17.8"
T = 28.40'
L = 48.10'
R = 36.00'
PC 'RA4' STA = 40+48.55
Y = 478937.231
X = 762658.088
PT 'RA4' STA = 40+96.64
Y = 478892.638
X = 762657.502
BK = S39° 01' 37.0"W
AH = S37° 31' 09.7"E

PI 'RA4' STA = 41+02.10
Y = 478888.311
X = 762660.824
DELTA = 057°13'50.6"
D = 572°57'28.1"
T = 5.46'
L = 9.99'
R = 10.00'
PC 'RA4' STA = 40+96.64
Y = 478892.638
X = 762657.502
PT 'RA4' STA = 41+06.63
Y = 478888.762
X = 762666.261
BK = S37° 31' 09.7"E
AH = N85° 14' 59.7"E

EP: 32'NW2'+53.00
N04°05'31.0"W
PT: 32'NW2'+28.06
32'NW2'
PCC: 31'NW2'+65.53
PCC: 31'NW2'+18.98
BP: 30'NW2'+00.00
PC: 30'NW2'+45.56
31'NW2'
S88°41'18.8"E
PCC: 40'RA4'+48.55
PC: 40'RA4'+39.82
EP: 42'RA4'+12.44
S89°00'24.6"W
PCC: 42'RA4'+03.77
42'RA4'
SAND PIT RD
EP: 42'NE2'+55.69
PCC: 42'NE2'+33.81
42'NE2'
PCC: 41'NE2'+56.62
PCC: 41'NE2'+06.63
PC: 41'NE2'+31.14
BP: 40'NE2'+00.00
41'NE2'
S75°57'30.8"W
STH 21
MATCH LINE STA 251+50
MATCH LINE STA 257+50
STH 21
N74°42'01.4"E
21'SW2'
BP: 20'SW2'+00.00
PC: 20'SW2'+31.14
PCC: 21'SW2'+12.53
PCC: 40'RA4'+96.64
41'RA4'
N85°14'59.7"E
PT: 41'RA4'+06.63
PC: 41'RA4'+50.35
PCC: 41'RA4'+60.34
63'SE2'
S86°52'47.6"E
PT: 63'SE2'+42.00
EP: 63'SE2'+87.37
PCC: 62'SE2'+39.52
62'SE2'
PCC: 61'SE2'+89.03
PCC: 21'SW2'+63.97
22'SW2'
PT: 22'SW2'+38.61
S06°13'08.8"E
EP: 22'SW2'+63.61
PRC: 61'SE2'+15.22
PCC: 60'SE2'+96.49
61'SE2'
SAND PIT RD
N

PI 'RA4' STA = 41+55.81
Y = 478892.835
X = 762715.272
DELTA = 057°13'50.6"
D = 572°57'28.1"
T = 5.46'
L = 9.99'
R = 10.00'
PC 'RA4' STA = 41+50.35
Y = 478892.383
X = 762709.836
PT 'RA4' STA = 41+60.34
Y = 478897.651
X = 762717.835
BK = N85° 14' 59.7"E
AH = N28° 01' 09.0"E

PI 'RA4' STA = 41+85.10
Y = 478919.507
X = 762729.465
DELTA = 069°01'56.8"
D = 159°09'17.8"
T = 24.76'
L = 43.37'
R = 36.00'
PC 'RA4' STA = 41+60.34
Y = 478897.651
X = 762717.835
PT 'RA4' STA = 42+03.72
Y = 478938.187
X = 762713.219
BK = N28° 01' 09.0"E
AH = N41° 00' 47.8"W

PI 'RA4' STA = 42+08.38
Y = 478941.704
X = 762710.160
DELTA = 049°58'47.6"
D = 572°57'28.1"
T = 4.66'
L = 8.72'
R = 10.00'
PC 'RA4' STA = 42+03.72
Y = 478938.187
X = 762713.219
PT 'RA4' STA = 42+12.44
Y = 478941.623
X = 762705.500
BK = N41° 00' 47.8"W
AH = S89° 00' 24.6"W

PI 'SE2' STA = 61+05.86
Y = 478753.849
X = 762703.845
DELTA = 005°21'49.5"
D = 028°38'52.4"
T = 9.37'
L = 18.72'
R = 200.00'
PC 'SE2' STA = 60+96.49
Y = 478744.548
X = 762704.965
PT 'SE2' STA = 61+15.22
Y = 478763.005
X = 762701.861
BK = N06° 52' 01.9"W
AH = N12° 13' 51.4"W

PI 'SW2' STA = 20+00.00
Y = 478891.143
X = 762496.721

PI 'SW2' STA = 20+73.80
Y = 478910.617
X = 762567.906
DELTA = 042°23'23.8"
D = 052°05'13.5"
T = 42.66'
L = 81.38'
R = 110.00'
PC 'SW2' STA = 20+31.14
Y = 478899.361
X = 762526.762
PT 'SW2' STA = 21+12.53
Y = 478891.192
X = 762605.881
BK = N74° 42' 01.4"E
AH = S62° 54' 34.8"E

PI 'SW2' STA = 21+39.31
Y = 478878.997
X = 762629.721
DELTA = 039°17'47.1"
D = 076°23'39.7"
T = 26.78'
L = 51.44'
R = 75.00'
PC 'SW2' STA = 21+12.53
Y = 478891.192
X = 762605.881
PT 'SW2' STA = 21+63.97
Y = 478854.462
X = 762640.447
BK = S62° 54' 34.8"E
AH = S23° 36' 47.8"E

PI 'SW2' STA = 22+01.57
Y = 478820.011
X = 762655.507
DELTA = 017°06'21.5"
D = 022°55'05.9"
T = 37.60'
L = 74.64'
R = 250.00'
PC 'SW2' STA = 21+63.97
Y = 478854.462
X = 762640.447
PT 'SW2' STA = 22+38.61
Y = 478782.654
X = 762659.768
BK = S23° 36' 47.8"E
AH = S06° 30' 26.3"E

PI 'SW2' STA = 22+63.61
Y = 478757.801
X = 762662.477

PI 'SE2' STA = 61+53.57
Y = 478800.489
X = 762693.735
DELTA = 038°26'43.4"
D = 052°05'13.5"
T = 38.35'
L = 73.81'
R = 110.00'
PC 'SE2' STA = 61+15.22
Y = 478763.005
X = 762701.861
PT 'SE2' STA = 61+89.03
Y = 478834.899
X = 762710.678
BK = N12° 13' 51.4"W
AH = N26° 12' 52.1"E

PI 'SE2' STA = 62+15.27
Y = 478858.445
X = 762722.271
DELTA = 038°34'26.8"
D = 076°23'39.7"
T = 26.25'
L = 50.49'
R = 75.00'
PC 'SE2' STA = 61+89.03
Y = 478834.899
X = 762710.678
PT 'SE2' STA = 62+39.52
Y = 478869.625
X = 762746.017
BK = N26° 12' 52.1"E
AH = N64° 47' 18.9"E

PI 'SE2' STA = 62+91.36
Y = 478891.707
X = 762792.919
DELTA = 021°21'05.2"
D = 020°50'05.4"
T = 51.84'
L = 102.48'
R = 275.00'
PC 'SE2' STA = 62+39.52
Y = 478869.625
X = 762746.017
PT 'SE2' STA = 63+42.00
Y = 478895.197
X = 762844.643
BK = N64° 47' 18.9"E
AH = N86° 08' 24.1"E

PI 'SE2' STA = 63+87.37
Y = 478892.728
X = 762889.941

PROJECT NO: 6180-30-73	HWY: STH 21	COUNTY: WINNEBAGO	ALIGNMENT DETAILS - STH 21 AND SAND PIT RD	SHEET 266	E

FILE NAME : N:\3001091.00\CIVIL 3D\SHEETSPLAN\61803071-027200-AD.DWG
LAYOUT NAME - 61803071-027213-ad
PLOT DATE : 7/16/2025 9:27 AM
PLOT BY : MATT TOMSOVIC
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

2

PI 'WB' STA = 362+62.85
Y = 478938.324
X = 763005.312
DELTA = 010°06'07.2"
D = 004°46'28.7"
T = 106.06'
L = 211.58'
R = 1200.00'
PC 'WB' STA = 361+56.79
Y = 478926.266
X = 762899.937
PT 'WB' STA = 363+68.36
Y = 478931.711
X = 763111.168
BK = N83° 28' 20.4"E
AH = S86° 25' 32.3"E

PI 'WB' STA = 366+34.98
Y = 478915.089
X = 763377.270
DELTA = 002°46'09.5"
D = 000°57'17.7"
T = 145.03'
L = 290.00'
R = 6000.00'
PC 'WB' STA = 364+89.95
Y = 478924.131
X = 763232.523
PT 'WB' STA = 367+79.96
Y = 478913.052
X = 763522.285
BK = S86° 25' 32.3"E
AH = S89° 11' 41.9"E

MATCH LINE STA 257+50

PT: 363'WB'+68.36

PC: 364'WB'+89.95

STA 263+41.14 STH 21 EB RL (6180-30-72_73) =
STA 367+79.96 STH 21 WB RL AT SAND PIT RD (6180-30-73)
Y=478,913.052
X=763,522.285

EP: 367'WB'+79.96

362'WB' 363'WB' 364'WB' S86°25'32.3"E 365'WB' 366'WB' 367'WB'

258'EB' 259'EB' 260'EB' S89°58'24.8"E 261'EB' 262'EB' 263'EB'

STH 21

S89°11'41.9"E

PT: 257'EB'+99.29

PC: 261'EB'+32.72

PT: 263'EB'+36.56

N

PI 'EB' STA = 257+20.29
Y = 478914.785
X = 762901.355
DELTA = 004°29'41.7"
D = 002°50'36.5"
T = 79.08'
L = 158.08'
R = 2015.00'
PC 'EB' STA = 256+41.21
Y = 478908.624
X = 762822.516
PT 'EB' STA = 257+99.29
Y = 478914.749
X = 762980.435
BK = N85° 31' 53.5"E
AH = S89° 58' 24.8"E

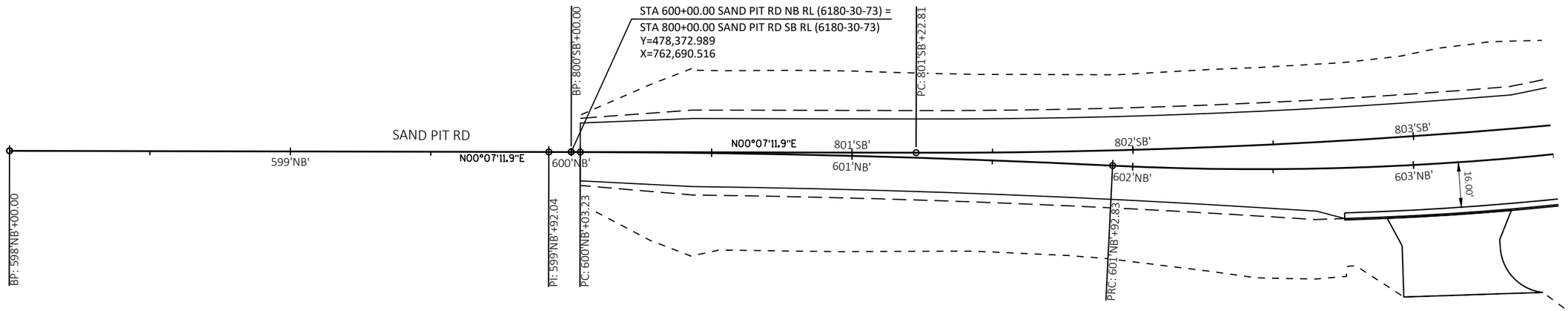
PI 'EB' STA = 262+34.64
Y = 478914.548
X = 763415.793
DELTA = 000°46'42.9"
D = 000°22'55.1"
T = 101.92'
L = 203.84'
R = 15000.00'
PC 'EB' STA = 261+32.72
Y = 478914.595
X = 763313.873
PT 'EB' STA = 263+36.56
Y = 478913.116
X = 763517.703
BK = S89° 58' 24.8"E
AH = S89° 11' 41.9"E

PROJECT NO: 6180-30-73	HWY: STH 21	COUNTY: WINNEBAGO	ALIGNMENT DETAILS - STH 21 AND SAND PIT RD	SHEET 267	E

2

2

PI 'SB' STA = 802+83.70
Y = 478656.692
X = 762691.110
DELTA = 007°21'53.3"
D = 002°17'30.6"
T = 160.90'
L = 321.35'
R = 2500.00'
PC 'SB' STA = 801+22.81
Y = 478495.795
X = 762690.773
PT 'SB' STA = 804+44.16
Y = 478816.304
X = 762670.819
BK = N00° 07' 11.9"E
AH = N07° 14' 41.5"W



PI 'NB' STA = 600+98.05
Y = 478471.037
X = 762690.721
DELTA = 002°40'56.7"
D = 001°24'53.0"
T = 94.82'
L = 189.61'
R = 4050.00'
PC 'NB' STA = 600+03.23
Y = 478376.215
X = 762690.522
PT 'NB' STA = 601+92.83
Y = 478565.745
X = 762695.357
BK = N00° 07' 11.9"E
AH = N02° 48' 08.6"E

PI 'NB' STA = 602+97.83
Y = 478670.615
X = 762700.490
DELTA = 011°25'14.6"
D = 005°27'24.3"
T = 105.00'
L = 209.30'
R = 1050.00'
PC 'NB' STA = 601+92.83
Y = 478565.745
X = 762695.357
PT 'NB' STA = 604+02.13
Y = 478774.425
X = 762684.756
BK = N02° 48' 08.6"E
AH = N08° 37' 06.0"W

N

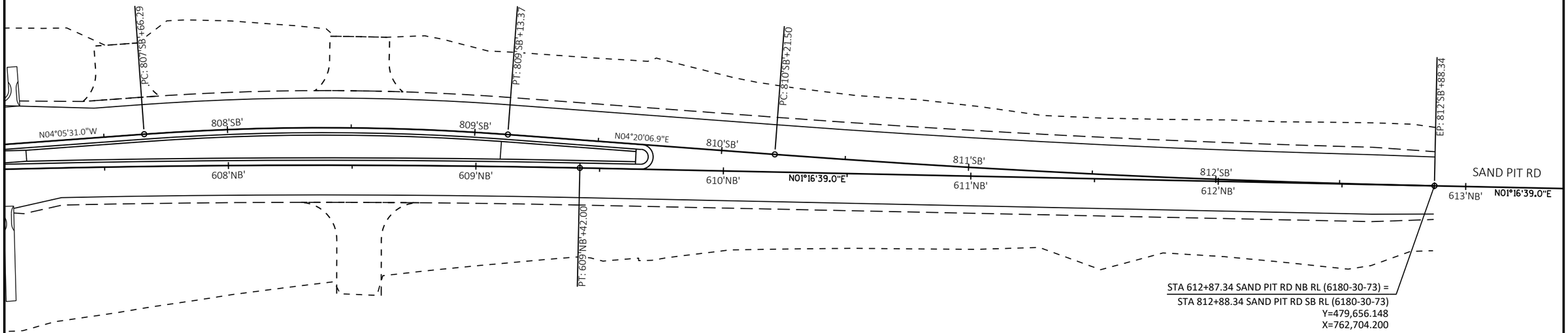
PROJECT NO: 6180-30-73	HWY: STH 21	COUNTY: WINNEBAGO	ALIGNMENT DETAILS - SAND PIT RD	SHEET 268	E

FILE NAME : N:\3001091.00\CIVIL 3D\SHEETSPLAN\61803071-027200-AD.DWG
LAYOUT NAME - 61803071-027215-ad
PLOT DATE : 7/16/2025 9:27 AM
PLOT BY : MATT TOMSOVIC
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

2

PI 'SB' STA = 808+39.97
Y = 479208.376
X = 762677.394
DELTA = 008°25'37.9"
D = 005°43'46.5"
T = 73.67'
L = 147.08'
R = 1000.00'
PC 'SB' STA = 807+66.29
Y = 479134.890
X = 762682.651
PT 'SB' STA = 809+13.37
Y = 479281.839
X = 762682.963
BK = N04° 05' 31.0"W
AH = N04° 20' 06.9"E

PI 'SB' STA = 811+54.96
Y = 479522.730
X = 762701.225
DELTA = 003°03'27.9"
D = 001°08'45.3"
T = 133.45'
L = 266.84'
R = 5000.00'
PC 'SB' STA = 810+21.50
Y = 479389.660
X = 762691.137
PT 'SB' STA = 812+88.34
Y = 479656.148
X = 762704.200
BK = N04° 20' 06.9"E
AH = N01° 16' 39.0"E



PI 'NB' STA = 608+02.37
Y = 479171.233
X = 762693.387
DELTA = 003°12'03.1"
D = 001°08'45.3"
T = 139.70'
L = 279.33'
R = 5000.00'
PC 'NB' STA = 606+62.67
Y = 479031.611
X = 762698.075
PT 'NB' STA = 609+42.00
Y = 479310.898
X = 762696.501
BK = N01° 55' 24.1"W
AH = N01° 16' 39.0"E

PROJECT NO: 6180-30-73	HWY: STH 21	COUNTY: WINNEBAGO	ALIGNMENT DETAILS - SAND PIT RD	SHEET 269	E

					6180-30-71	6180-30-72	6180-30-73
Line	**Item**	**Item Description**	**Unit**	**Total**	**Qty**	**Qty**	**Qty**
0002	108.4300	RBC Progress Schedule	EACH	1.000	1.000		
0004	201.0105	Clearing	STA	15.000		11.000	4.000
0006	201.0120	Clearing	ID	9.000		9.000	
0008	201.0205	Grubbing	STA	15.000		11.000	4.000
0010	201.0220	Grubbing	ID	9.000		9.000	
0012	203.0100	Removing Small Pipe Culverts	EACH	15.000		11.000	4.000
0014	204.0100	Removing Concrete Pavement	SY	12,099.000	9.000	5,980.000	6,110.000
0016	204.0105	Removing Concrete Pavement Butt Joints	SY	572.000	572.000		
0018	204.0110	Removing Asphaltic Surface	SY	44.000	44.000		
0020	204.0115	Removing Asphaltic Surface Butt Joints	SY	1,327.000	1,327.000		
0022	204.0120	Removing Asphaltic Surface Milling	SY	95.000	95.000		
0024	204.0150	Removing Curb & Gutter	LF	1,970.000	1,370.000	303.000	297.000
0026	204.0155	Removing Concrete Sidewalk	SY	857.000	857.000		
0028	204.0165	Removing Guardrail	LF	690.000	690.000		
0030	204.0170	Removing Fence	LF	579.000		147.000	432.000
0034	205.0100	Excavation Common	CY	31,811.000		21,321.000	10,490.000
0040	211.0101	Prepare Foundation for Asphaltic Paving (project) 01. 6180-30-71	EACH	1.000	1.000		
0044	213.0100	Finishing Roadway (project) 01. 6180-30-71	EACH	1.000	1.000		
0046	213.0100	Finishing Roadway (project) 02. 6180-30-72	EACH	1.000		1.000	
0048	213.0100	Finishing Roadway (project) 03. 6180-30-73	EACH	1.000			1.000
0052	305.0110	Base Aggregate Dense 3/4-Inch	TON	3,046.000		1,480.000	1,566.000
0054	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	12,660.000		6,590.000	6,070.000
0056	310.0115	Base Aggregate Open-Graded	CY	7.800		3.000	4.800
0058	312.0110	Select Crushed Material	TON	26,760.000		13,940.000	12,820.000
0060	371.2000.S	QMP Base Aggregate Dense 1 1/4-Inch Compaction	EACH	8.000		4.000	4.000
0062	390.0100	Removing Pavement for Base Patching	CY	596.000	596.000		
0064	390.0305	Base Patching Concrete HES	CY	576.000	576.000		
0066	390.0405	Base Patching Concrete SHES	CY	20.000	20.000		
0068	405.0100	Coloring Concrete WisDOT Red	CY	626.000		303.000	323.000
0070	415.2010	Concrete Truck Apron 12-inch	SY	1,263.000		644.000	619.000
0072	416.0610	Drilled Tie Bars	EACH	1,181.000	1,181.000		
0074	416.0620	Drilled Dowel Bars	EACH	2,773.000	2,773.000		
0076	416.1710	Concrete Pavement Repair	SY	122.000	122.000		
0078	416.1720	Concrete Pavement Replacement	SY	608.000	608.000		
0080	420.1000	Continuous Diamond Grinding Concrete Pavement	SY	16,160.000	16,160.000		
0082	450.4000	HMA Cold Weather Paving	TON	1,015.000	380.000	635.000	
0084	455.0605	Tack Coat	GAL	5,543.000	2,510.000	1,555.000	1,478.000
0086	460.0105.S	HMA Percent Within Limits (PWL) Test Strip Volumetrics	EACH	1.000	1.000		
0088	460.0110.S	HMA Percent Within Limits (PWL) Test Strip Density	EACH	1.000	1.000		
0090	460.2000	Incentive Density HMA Pavement	DOL	7,800.000		4,070.000	3,730.000
0092	460.2005	Incentive Density PWL HMA Pavement	DOL	1,890.000	1,890.000		
0094	460.2007	Incentive Density HMA Pavement Longitudinal Joints	DOL	1,290.000	1,290.000		
0096	460.2010	Incentive Air Voids HMA Pavement	DOL	3,810.000	3,810.000		
0098	460.6224	HMA Pavement 4 MT 58-28 S	TON	3,810.000	3,810.000		
0100	460.7223	HMA Pavement 3 HT 58-28 S	TON	9,555.000		4,940.000	4,615.000
0102	460.7424	HMA Pavement 4 HT 58-28 H	TON	2,617.000		1,404.000	1,213.000
0104	465.0105	Asphaltic Surface	TON	10.000	10.000		
0106	465.0120	Asphaltic Surface Driveways and Field Entrances	TON	106.000		55.000	51.000
0110	465.0315	Asphaltic Flumes	SY	90.000		53.000	37.000

					6180-30-71	6180-30-72	6180-30-73
Line	**Item**	**Item Description**	**Unit**	**Total**	**Qty**	**Qty**	**Qty**
0114	520.3318	Culvert Pipe Class III-A 18-Inch	LF	294.000		78.000	216.000
0116	520.3324	Culvert Pipe Class III-A 24-Inch	LF	34.000			34.000
0120	521.1018	Apron Endwalls for Culvert Pipe Steel 18-Inch	EACH	8.000		4.000	4.000
0124	521.1217	Apron Endwalls for Pipe Arch Steel 17x13-Inch	EACH	2.000		2.000	
0126	521.1257	Apron Endwalls for Pipe Arch Steel 57x38-Inch	EACH	2.000		2.000	
0130	521.1518	Apron Endwalls for Culvert Pipe Sloped Side Drains Steel 18-Inch 6 to 1	EACH	4.000			4.000
0132	521.1524	Apron Endwalls for Culvert Pipe Sloped Side Drains Steel 24-Inch 6 to 1	EACH	2.000			2.000
0138	521.3717	Pipe Arch Corrugated Steel 17x13-Inch	LF	38.000		38.000	
0140	521.3757	Pipe Arch Corrugated Steel 57x38-Inch	LF	56.000		56.000	
0142	522.0142	Culvert Pipe Reinforced Concrete Class III 42-Inch	LF	88.000		88.000	
0144	522.0436	Culvert Pipe Reinforced Concrete Class IV 36-Inch	LF	124.000			124.000
0146	522.1012	Apron Endwalls for Culvert Pipe Reinforced Concrete 12-Inch	EACH	12.000		6.000	6.000
0148	522.1015	Apron Endwalls for Culvert Pipe Reinforced Concrete 15-Inch	EACH	1.000			1.000
0152	522.1024	Apron Endwalls for Culvert Pipe Reinforced Concrete 24-Inch	EACH	2.000		2.000	
0154	522.1036	Apron Endwalls for Culvert Pipe Reinforced Concrete 36-Inch	EACH	4.000			4.000
0156	522.1042	Apron Endwalls for Culvert Pipe Reinforced Concrete 42-Inch	EACH	2.000		2.000	
0174	601.0409	Concrete Curb & Gutter 30-Inch Type A	LF	1,021.000	1,021.000		
0176	601.0411	Concrete Curb & Gutter 30-Inch Type D	LF	276.000	185.000		91.000
0178	601.0553	Concrete Curb & Gutter 4-Inch Sloped 36-Inch Type D	LF	172.000		172.000	
0180	601.0555	Concrete Curb & Gutter 6-Inch Sloped 36-Inch Type A	LF	149.000	149.000		
0182	601.0600	Concrete Curb Pedestrian	LF	864.000	642.000	132.000	90.000
0184	602.0405	Concrete Sidewalk 4-Inch	SF	16,530.000		7,070.000	9,460.000
0186	602.0410	Concrete Sidewalk 5-Inch	SF	8,805.000	8,805.000		
0188	602.0415	Concrete Sidewalk 6-Inch	SF	1,017.000		610.000	407.000
0190	602.0505	Curb Ramp Detectable Warning Field Yellow	SF	359.000	359.000		
0192	602.0515	Curb Ramp Detectable Warning Field Natural Patina	SF	320.000		160.000	160.000
0194	602.0605	Curb Ramp Detectable Warning Field Radial Yellow	SF	305.000	305.000		
0200	602.0820	Concrete Driveway 8-Inch	SY	9.000	9.000		
0202	602.3260	Concrete Rumble Strips, Centerline	LF	18,045.000	18,045.000		
0204	606.0200	Riprap Medium	CY	97.000		55.000	42.000
0206	608.0312	Storm Sewer Pipe Reinforced Concrete Class III 12-Inch	LF	133.000		133.000	
0210	608.0412	Storm Sewer Pipe Reinforced Concrete Class IV 12-Inch	LF	716.000		292.000	424.000
0212	608.0415	Storm Sewer Pipe Reinforced Concrete Class IV 15-Inch	LF	84.000		48.000	36.000
0214	608.0418	Storm Sewer Pipe Reinforced Concrete Class IV 18-Inch	LF	87.000		87.000	
0216	608.0424	Storm Sewer Pipe Reinforced Concrete Class IV 24-Inch	LF	148.000		148.000	
0218	608.0436	Storm Sewer Pipe Reinforced Concrete Class IV 36-Inch	LF	64.000			64.000
0232	611.0624	Inlet Covers Type H	EACH	31.000		18.000	13.000
0234	611.0627	Inlet Covers Type HM	EACH	3.000			3.000
0238	611.0639	Inlet Covers Type H-S	EACH	3.000			3.000
0240	611.0642	Inlet Covers Type MS	EACH	1.000		1.000	
0242	611.0652	Inlet Covers Type T	EACH	4.000		2.000	2.000
0246	611.1230	Catch Basins 2x3-FT	EACH	3.000			3.000
0252	611.2005	Manholes 5-FT Diameter	EACH	3.000			3.000
0258	611.3230	Inlets 2x3-FT	EACH	31.000		18.000	13.000
0260	611.3901	Inlets Median 1 Grate	EACH	1.000		1.000	
0262	611.8110	Adjusting Manhole Covers	EACH	24.000	24.000		
0264	611.8115	Adjusting Inlet Covers	EACH	5.000	5.000		
0266	612.0106	Pipe Underdrain 6-Inch	LF	262.000		100.000	162.000
0268	614.0010	Barrier System Grading Shaping Finishing	EACH	4.000	4.000		

					6180-30-71	6180-30-72	6180-30-73
Line	**Item**	**Item Description**	**Unit**	**Total**	**Qty**	**Qty**	**Qty**
0270	614.2300	MGS Guardrail 3	LF	550.000	550.000		
0274	614.2500	MGS Thrie Beam Transition	LF	156.000	156.000		
0276	614.2610	MGS Guardrail Terminal EAT	EACH	4.000	4.000		
0282	618.0100	Maintenance and Repair of Haul Roads (project) 01. 6180-30-71	EACH	1.000	1.000		
0284	618.0100	Maintenance and Repair of Haul Roads (project) 02. 6180-30-72	EACH	1.000		1.000	
0286	618.0100	Maintenance and Repair of Haul Roads (project) 03. 6180-30-73	EACH	1.000			1.000
0290	619.1000	Mobilization	EACH	0.750	0.250	0.250	0.250
0292	620.0300	Concrete Median Sloped Nose	SF	842.000		428.000	414.000
0294	624.0100	Water	MGAL	237.000		123.000	114.000
0296	625.0100	Topsoil	SY	575.000	575.000		
0298	625.0500	Salvaged Topsoil	SY	36,049.000		20,065.000	15,984.000
0300	627.0200	Mulching	SY	16,664.000		8,400.000	8,264.000
0302	628.1504	Silt Fence	LF	4,609.000	1,905.000	1,284.000	1,420.000
0304	628.1520	Silt Fence Maintenance	LF	4,609.000	1,905.000	1,284.000	1,420.000
0306	628.1905	Mobilizations Erosion Control	EACH	24.000	10.000	7.000	7.000
0308	628.1910	Mobilizations Emergency Erosion Control	EACH	5.000	1.000	2.000	2.000
0310	628.2004	Erosion Mat Class I Type B	SY	15,755.000		9,185.000	6,570.000
0312	628.2006	Erosion Mat Urban Class I Type A	SY	575.000	575.000		
0314	628.2008	Erosion Mat Urban Class I Type B	SY	3,630.000		2,480.000	1,150.000
0316	628.7005	Inlet Protection Type A	EACH	42.000		21.000	21.000
0318	628.7010	Inlet Protection Type B	EACH	2.000	1.000	1.000	
0320	628.7015	Inlet Protection Type C	EACH	85.000	44.000	20.000	21.000
0322	628.7504	Temporary Ditch Checks	LF	260.000		170.000	90.000
0324	628.7555	Culvert Pipe Checks	EACH	39.000		18.000	21.000
0326	628.7560	Tracking Pads	EACH	2.000		1.000	1.000
0330	629.0210	Fertilizer Type B	CWT	27.000	0.400	14.500	12.100
0334	630.0130	Seeding Mixture No. 30	LB	1,858.000		1,015.000	843.000
0336	630.0140	Seeding Mixture No. 40	LB	26.000	26.000		
0338	630.0200	Seeding Temporary	LB	974.000		542.000	432.000
0340	630.0500	Seed Water	MGAL	814.000	13.000	446.000	355.000
0342	633.5200	Markers Culvert End	EACH	21.000		10.000	11.000
0344	634.0614	Posts Wood 4x6-Inch X 14-FT	EACH	28.000		17.000	11.000
0346	634.0616	Posts Wood 4x6-Inch X 16-FT	EACH	52.000		24.000	28.000
0348	634.0618	Posts Wood 4x6-Inch X 18-FT	EACH	12.000		6.000	6.000
0350	634.0812	Posts Tubular Steel 2x2-Inch X 12-FT	EACH	4.000		2.000	2.000
0354	637.2210	Signs Type II Reflective H	SF	836.960		415.920	421.040
0356	637.2230	Signs Type II Reflective F	SF	124.920		59.680	65.240
0358	638.2602	Removing Signs Type II	EACH	21.000		15.000	6.000
0360	638.3000	Removing Small Sign Supports	EACH	26.000		19.000	7.000
0362	642.5401	Field Office Type D	EACH	0.750	0.250	0.250	0.250
0364	643.0300	Traffic Control Drums	DAY	16,101.000	16,101.000		
0366	643.0420	Traffic Control Barricades Type III	DAY	10,430.000	7,550.000	1,440.000	1,440.000
0368	643.0705	Traffic Control Warning Lights Type A	DAY	17,622.000	14,022.000	1,800.000	1,800.000
0370	643.0715	Traffic Control Warning Lights Type C	DAY	4,249.000	4,249.000		
0374	643.0900	Traffic Control Signs	DAY	57,295.000	55,135.000	1,080.000	1,080.000
0376	643.0910	Traffic Control Covering Signs Type I	EACH	14.000	14.000		
0378	643.0920	Traffic Control Covering Signs Type II	EACH	33.000	33.000		
0380	643.1000	Traffic Control Signs Fixed Message	SF	372.000	372.000		
0382	643.1050	Traffic Control Signs PCMS	DAY	203.000	147.000	28.000	28.000

					6180-30-71	6180-30-72	6180-30-73
Line	**Item**	**Item Description**	**Unit**	**Total**	**Qty**	**Qty**	**Qty**
0386	643.3165	Temporary Marking Line Paint 6-Inch	LF	25,868.000	25,868.000		
0392	643.5000	Traffic Control	EACH	0.750	0.250	0.250	0.250
0394	644.1601	Temporary Pedestrian Curb Ramp	DAY	50.000	50.000		
0396	644.1810	Temporary Pedestrian Barricade	LF	11,156.000	11,156.000		
0398	644.1900.S	Temporary Audible Message Devices	DAY	717.000	717.000		
0400	645.0111	Geotextile Type DF Schedule A	SY	52.000		20.000	32.000
0402	645.0120	Geotextile Type HR	SY	408.000		224.000	184.000
0404	646.2020	Marking Line Epoxy 6-Inch	LF	19,727.000		10,626.000	9,101.000
0406	646.2040	Marking Line Grooved Wet Ref Epoxy 6-Inch	LF	78,311.000	63,381.000	7,415.000	7,515.000
0408	646.3020	Marking Line Epoxy 8-Inch	LF	28.000	28.000		
0412	646.4040	Marking Line Grooved Wet Ref Epoxy 10-Inch	LF	1,448.000	1,448.000		
0414	646.5020	Marking Arrow Epoxy	EACH	4.000	4.000		
0416	646.5120	Marking Word Epoxy	EACH	2.000	2.000		
0418	646.5220	Marking Symbol Epoxy	EACH	4.000	4.000		
0420	646.6120	Marking Stop Line Epoxy 18-Inch	LF	66.000	66.000		
0422	646.6320	Marking Dotted Extension Epoxy 18-Inch	LF	140.000		68.000	72.000
0424	646.7120	Marking Diagonal Epoxy 12-Inch	LF	787.000		459.000	328.000
0428	646.7420	Marking Crosswalk Epoxy Transverse Line 6-Inch	LF	1,893.000	1,893.000		
0430	646.8120	Marking Curb Epoxy	LF	1,502.000	953.000	274.000	275.000
0432	646.8220	Marking Island Nose Epoxy	EACH	8.000		4.000	4.000
0434	646.8320	Marking Parking Stall Epoxy	LF	235.000	235.000		
0436	646.9000	Marking Removal Line 4-Inch	LF	501.000	501.000		
0444	650.4000	Construction Staking Storm Sewer	EACH	59.000		29.000	30.000
0446	650.4500	Construction Staking Subgrade	LF	12,297.000		6,380.000	5,917.000
0448	650.5000	Construction Staking Base	LF	12,297.000		6,380.000	5,917.000
0450	650.5500	Construction Staking Curb Gutter and Curb & Gutter	LF	10,584.000	1,355.000	4,885.000	4,344.000
0452	650.6000	Construction Staking Pipe Culverts	EACH	2.000		1.000	1.000
0454	650.8000	Construction Staking Resurfacing Reference	LF	6,444.000	6,444.000		
0456	650.8501	Construction Staking Electrical Installations (project) 01. 6180-30-72	EACH	1.000		1.000	
0458	650.8501	Construction Staking Electrical Installations (project) 02. 6180-30-73	EACH	1.000			1.000
0460	650.9000	Construction Staking Curb Ramps	EACH	69.000	53.000	8.000	8.000
0462	650.9500	Construction Staking Sidewalk (project) 01. 6180-30-71	EACH	1.000	1.000		
0466	650.9911	Construction Staking Supplemental Control (project) 01. 6180-30-71	EACH	1.000	1.000		
0468	650.9911	Construction Staking Supplemental Control (project) 02. 6180-30-72	EACH	1.000		1.000	
0470	650.9911	Construction Staking Supplemental Control (project) 03. 6180-30-73	EACH	1.000			1.000
0474	650.9920	Construction Staking Slope Stakes	LF	12,297.000		6,380.000	5,917.000
0478	652.0225	Conduit Rigid Nonmetallic Schedule 40 2-Inch	LF	4,052.000		2,053.000	1,999.000
0486	653.0164	Pull Boxes Non-Conductive 24x42-Inch	EACH	16.000		8.000	8.000
0494	654.0105	Concrete Bases Type 5	EACH	31.000		16.000	15.000
0498	654.0220	Concrete Control Cabinet Bases Type 10	EACH	2.000		1.000	1.000
0510	655.0610	Electrical Wire Lighting 12 AWG	LF	4,650.000		2,400.000	2,250.000
0512	655.0615	Electrical Wire Lighting 10 AWG	LF	16,542.000		8,409.000	8,133.000
0520	656.0201	Electrical Service Meter Breaker Pedestal (location) 01. CTH FF/Reighmoor Rd Intersection	EACH	1.000		1.000	
0522	656.0201	Electrical Service Meter Breaker Pedestal (location) 02. Sand Pit Rd Intersection	EACH	1.000			1.000
0530	657.0255	Transformer Bases Breakaway 11 1/2-Inch Bolt Circle	EACH	31.000		16.000	15.000
0534	657.0322	Poles Type 5-Aluminum	EACH	31.000		16.000	15.000
0546	657.0710	Luminaire Arms Truss Type 4 1/2-Inch Clamp 12-FT	EACH	31.000		16.000	15.000
0560	659.1120	Luminaires Utility LED B	EACH	31.000		16.000	15.000

					6180-30-71	6180-30-72	6180-30-73
Line	**Item**	**Item Description**	**Unit**	**Total**	**Qty**	**Qty**	**Qty**
0566	690.0150	Sawing Asphalt	LF	420.000	241.000	85.000	94.000
0568	690.0250	Sawing Concrete	LF	10,005.000	9,885.000	60.000	60.000
0570	740.0440	Incentive IRI Ride	DOL	14,450.000	9,770.000	2,400.000	2,280.000
0572	ASP.1T0A	On-the-Job Training Apprentice at $5.00/HR	HRS	2,100.000	2,100.000		
0574	ASP.1T0G	On-the-Job Training Graduate at $5.00/HR	HRS	5,760.000	5,760.000		
0576	SPV.0035	Special 01. Foundation Backfill	CY	293.000		293.000	
0580	SPV.0060	Special 02. Inlets 2x2.5-FT Special	EACH	4.000		2.000	2.000
0586	SPV.0060	Special 05. Adjusting Sanitary Manhole Covers	EACH	26.000	26.000		
0588	SPV.0060	Special 06. Adjusting Water Valve Boxes	EACH	18.000	18.000		
0592	SPV.0060	Special 08. Removing Sign, Foundation, and Various Items - Parcel 37	EACH	1.000			1.000
0594	SPV.0085	Special 01. Seeding Low Maintenance Fescue	LB	41.000		22.000	19.000
0600	SPV.0090	Special 03. Concrete Curb & Gutter 18-Inch, Type A Modified	LF	428.000		222.000	206.000
0602	SPV.0090	Special 04. Concrete Curb & Gutter 30-Inch, Type D Modified	LF	5,680.000		3,430.000	2,250.000
0604	SPV.0090	Special 05. Concrete Curb & Gutter 4-Inch Sloped 30-Inch, Type R Modified	LF	614.000		312.000	302.000
0606	SPV.0090	Special 06. Concrete Curb & Gutter 4-Inch Sloped 36-Inch, Type D Modified	LF	2,244.000		749.000	1,495.000

3

REMOVALS

						203.0100		204.0100			204.0105	204.0115	204.0120	204.0165	204.0170		
						REMOVING SMALL PIPE CULVERTS		REMOVING CONCRETE PAVEMENT			REMOVING CONCRETE PAVEMENT BUTT JOINTS	REMOVING ASPHALTIC SURFACE BUTT JOINTS	REMOVING ASPHALTIC SURFACE MILLING	REMOVING GUARDRAIL	REMOVING FENCE		
CATEGORY	STATION	TO	STATION	LOCATION	OFFSET	6180-30-72 EACH	6180-30-73 EACH	6180-30-71 SY	6180-30-72 SY	6180-30-73 SY	6180-30-71 SY	6180-30-71 SY	6180-30-71 SY	6180-30-71 LF	6180-30-72 LF	6180-30-73 LF	REMARKS
0010	1+23	-	1+66	STH 21	LT	-	-	-	-	-	217	-	-	-	-	-	
0010	64+75	-	65+25	STH 21	LT/RT	-	-	-	-	-	244	-	-	-	-	-	
0010	0+81	-	1+01	STH 21	LT/RT	-	-	-	-	-	111	-	-	-	-	-	
0010	1+27	-	1+67	ADAMS AVE	RT	-	-	-	-	-	-	89	-	-	-	-	
0010	4+54	-	4+95	JEFFERSON AVE	RT	-	-	-	-	-	-	91	-	-	-	-	
0010	7+87	-	8+26	WEBSTER AVE	LT	-	-	-	-	-	-	67	-	-	-	-	
0010	7+87	-	8+33	WEBSTER AVE	RT	-	-	-	-	-	-	72	-	-	-	-	
0010	13+34	-	13+73	MADISON AVE	RT	-	-	-	-	-	-	87	-	-	-	-	
0010	17+63	-	17+97	MONROE AVE	RT	-	-	-	-	-	-	76	-	-	-	-	
0010	21+25	-	21+45	QUINCY AVE	RT	-	-	-	-	-	-	44	-	-	-	-	
0010	24+97	-	25+19	SCOTT PARK DR	LT	-	-	-	-	-	-	42	-	-	-	-	
0010	25+52	-	25+88	JACKSON AVE	RT	-	-	-	-	-	-	80	-	-	-	-	
0010	30+34	-	30+66	VAN BUREN AVE	RT	-	-	-	-	-	-	71	-	-	-	-	
0010	34+63	-	34+89	HARRISON AVE	RT	-	-	-	-	-	-	58	-	-	-	-	
0010	34+91	-	35+32	MAPLEWOOD RD	LT	-	-	-	-	-	-	91	58	-	-	-	WEST
0010	38+33	-	38+73	MAPLEWOOD RD	LT	-	-	-	-	-	-	89	37	-	-	-	EAST
0010	42+69	-	43+05	OMREAU AVE	LT	-	-	-	-	-	-	80	-	-	-	-	
0010	44+26	-	44+58	MCKINLEY AVE	RT	-	-	-	-	-	-	71	-	-	-	-	
0010	47+27	-	47+58	BECKWITH AVE	LT	-	-	-	-	-	-	55	-	-	-	-	
0010	50+61	-	50+95	LINCOLN AVE	LT	-	-	-	-	-	-	76	-	-	-	-	
0010	56+85	-	56+96	STH 21	RT	-	-	9	-	-	-	-	-	-	-	-	ENTRANCE
0010	62+80	-	63+20	INDUSTRIAL DR	RT	-	-	-	-	-	-	89	-	-	-	-	
0010	163+35	-	164+68	STH 21	LT	-	-	-	-	-	-	-	-	135	-	-	NW QUADRANT
0010	162+62	-	164+47	STH 21	RT	-	-	-	-	-	-	-	-	185	-	-	SW QUADRANT
0010	165+43	-	167+27	STH 21	LT	-	-	-	-	-	-	-	-	185	-	-	NE QUADRANT
0010	165+21	-	167+07	STH 21	RT	-	-	-	-	-	-	-	-	185	-	-	SE QUADRANT
0010	192+74	-	210+24	STH 21 'EB'	LT/RT	-	-	-	5,980	-	-	-	-	-	-	-	
0010	198+36	-	-	STH 21 'EB'	RT	1	-	-	-	-	-	-	-	-	-	-	
0010	206+85	-	-	STH 21 'EB'	-	1	-	-	-	-	-	-	-	-	-	-	
0010	245+59	-	263+37	STH 21 'EB'	LT/RT	-	-	-	-	6,110	-	-	-	-	-	-	
0010	255+64	-	-	STH 21 'EB'	-	-	1	-	-	-	-	-	-	-	-	-	
0010	261+32	-	-	STH 21 'EB'	RT	-	1	-	-	-	-	-	-	-	-	-	
0010	357+97	-	358+75	STH 21 'WB'	LT	-	-	-	-	-	-	-	-	-	-	93	
0010	403+18	-	-	STH 21 'WB'	LT	1	-	-	-	-	-	-	-	-	-	-	
0010	507+33	-	507+58	CTH FF 'NB'	RT	-	-	-	-	-	-	-	-	-	25	-	
0010	507+79	-	-	CTH FF 'NB'	RT	1	-	-	-	-	-	-	-	-	-	-	
0010	509+27	-	510+43	CTH FF 'NB'	RT	-	-	-	-	-	-	-	-	-	122	-	
0010	515+56	-	-	REIGHMOOR 'NB'	RT	1	-	-	-	-	-	-	-	-	-	-	
0010	516+78	-	-	REIGHMOOR 'NB'	RT	1	-	-	-	-	-	-	-	-	-	-	
0010	519+48	-	-	REIGHMOOR 'NB'	RT	1	-	-	-	-	-	-	-	-	-	-	
0010	614+75	-	-	REIGHMOOR 'SB'	LT	1	-	-	-	-	-	-	-	-	-	-	
0010	615+78	-	-	REIGHMOOR 'SB'	LT	1	-	-	-	-	-	-	-	-	-	-	
0010	616+26	-	-	REIGHMOOR 'SB'	LT	1	-	-	-	-	-	-	-	-	-	-	
0010	617+47	-	-	REIGHMOOR 'SB'	LT	1	-	-	-	-	-	-	-	-	-	-	
0010	603+12	-	-	SAND PIT 'NB'	RT	-	1	-	-	-	-	-	-	-	-	-	
0010	604+08	-	-	SAND PIT 'NB'	-	-	1	-	-	-	-	-	-	-	-	-	
0010	806+06	-	809+50	SAND PIT 'SB'	LT	-	-	-	-	-	-	-	-	-	-	339	
				SUBTOTAL		11	4	9	5,980	6,110	572	1,327	95	690	147	432	
				TOTAL 0010		**11**	**4**	**9**	**5,980**	**6,110**	**572**	**1,327**	**95**	**690**	**147**	**432**	

3

CURB AND SIDEWALK REMOVALS

						204.0110	204.0150			204.0155	* 690.0150	* 690.0250	
						REMOVING ASPHALTIC SURFACE	REMOVING CURB AND GUTTER			REMOVING CONCRETE SIDEWALK	SAWING ASPHALT	SAWING CONCRETE	
CATEGORY	STATION	TO	STATION	LOCATION	OFFSET	6180-30-71 SY	6180-30-71 LF	6180-30-72 LF	6180-30-73 LF	6180-30-71 SY	6180-30-71 LF	6180-30-71 LF	REMARKS
0020	0+96	-	1+25	ADAMS AVE	RT	2	33	-	-	24	11	42	SW QUADRANT
0020	1+72	-	1+94	ADAMS AVE	RT	-	23	-	-	8	-	34	SE QUADRANT
0020	1+68	-	1+97	ADAMS AVE	LT	-	38	-	-	20	-	50	NE QUADRANT
0020	4+20	-	4+55	JEFFERSON AVE	RT	3	41	-	-	24	16	45	SW QUADRANT
0020	4+96	-	5+32	JEFFERSON AVE	RT	3	41	-	-	35	16	48	SE QUADRANT
0020	4+38	-	4+58	JEFFERSON AVE	LT	-	21	-	-	24	-	67	NW QUADRANT
0020	4+95	-	5+14	JEFFERSON AVE	LT	-	19	-	-	22	-	63	NE QUADRANT
0020	7+55	-	8+02	WEBSTER AVE	RT	2	62	-	-	38	10	135	SW QUADRANT
0020	8+16	-	8+54	WEBSTER AVE	RT	2	54	-	-	36	9	106	SE QUADRANT
0020	7+54	-	7+87	WEBSTER AVE	LT	-	48	-	-	30	-	101	NW QUADRANT
0020	13+09	-	13+32	MADISON AVE	RT	1	29	-	-	26	8	51	SW QUADRANT
0020	13+74	-	14+14	MADISON AVE	RT	2	20	-	-	21	9	28	SE QUADRANT
0020	13+09	-	13+29	MADISON AVE	LT	-	20	-	-	26	-	68	NW QUADRANT
0020	13+71	-	13+93	MADISON AVE	LT	-	22	-	-	10	-	35	NE QUADRANT
0020	17+17	-	17+56	MONROE AVE	RT	-	18	-	-	16	-	28	SW QUADRANT
0020	17+98	-	18+32	MONROE AVE	RT	3	26	-	-	11	15	25	SE QUADRANT
0020	20+96	-	21+23	QUINCY AVE	RT	1	18	-	-	17	6	28	SW QUADRANT
0020	21+47	-	21+79	QUINCY AVE	RT	2	35	-	-	15	9	43	SE QUADRANT
0020	21+49	-	22+23	QUINCY AVE / VETERANS MEMORIAL	LT	-	46	-	-	57	-	74	NE QUADRANT
0020	24+73	-	24+95	SCOTT PARK DR	RT	-	22	-	-	18	-	35	SW QUADRANT
0020	24+63	-	24+96	SCOTT PARK DR	LT	-	36	-	-	15	-	46	NW QUADRANT
0020	25+21	-	25+48	SCOTT PARK DR	LT	-	30	-	-	11	-	39	NE QUADRANT
0020	25+16	-	25+52	JACKSON AVE	RT	1	25	-	-	10	6	32	SW QUADRANT
0020	25+88	-	26+25	JACKSON AVE	RT	2	32	-	-	21	11	39	SE QUADRANT
0020	25+88	-	26+29	JACKSON AVE	LT	-	20	-	-	18	-	33	NE QUADRANT
0020	30+08	-	30+30	VAN BUREN AVE	RT	-	17	-	-	7	-	27	SW QUADRANT
0020	30+67	-	31+10	VAN BUREN AVE	RT	-	32	-	-	25	-	46	SE QUADRANT
0020	30+71	-	31+08	VAN BUREN AVE	LT	-	24	-	-	16	-	37	NE QUADRANT
0020	34+36	-	34+60	HARRISON AVE	RT	-	18	-	-	13	-	29	SW QUADRANT
0020	34+95	-	35+24	HARRISON AVE	RT	1	27	-	-	10	7	33	SE QUADRANT
0020	34+31	-	34+76	MAPLEWOOD RD (WEST)	LT	-	32	-	-	19	-	43	NW QUADRANT
0020	35+36	-	35+70	MAPLEWOOD RD (WEST)	LT	-	30	-	-	11	-	39	NE QUADRANT
0020	38+05	-	38+32	MAPLEWOOD RD (EAST)	LT	-	22	-	-	11	-	33	NW QUADRANT
0020	38+84	-	39+21	MAPLEWOOD RD (EAST)	LT	-	33	-	-	13	-	39	NE QUADRANT
0020	42+37	-	42+70	OMREAU AVE	LT	3	28	-	-	11	14	27	NW QUADRANT
				SUBTOTAL		28	1,042	0	0	689	147	1,648	

* QUANTITY SHOWN ELSEWHERE

CURB AND SIDEWALK REMOVALS (CONTINUED)

CATEGORY	STATION	TO	STATION	LOCATION	OFFSET	204.0110 REMOVING ASPHALTIC SURFACE 6180-30-71 SY	204.0150 REMOVING CURB AND GUTTER 6180-30-71 LF	6180-30-72 LF	6180-30-73 LF	204.0155 REMOVING CONCRETE SIDEWALK 6180-30-71 SY	* 690.0150 SAWING ASPHALT 6180-30-71 LF	* 690.0250 SAWING CONCRETE 6180-30-71 LF	REMARKS
0020	43+03	-	43+37	OMREAU AVE	LT	3	31	-	-	13	14	32	NE QUADRANT
0020	43+88	-	44+24	MCKINLEY AVE	RT	1	26	-	-	15	9	30	SW QUADRANT
0020	44+61	-	44+87	MCKINLEY AVE	RT	1	24	-	-	9	6	31	SE QUADRANT
0020	46+88	-	47+24	BECKWITH AVE	LT	-	34	-	-	18	-	45	NW QUADRANT
0020	47+59	-	47+90	BECKWITH AVE	LT	4	36	-	-	20	20	38	NE QUADRANT
0020	47+50	-	47+88	BECKWITH AVE	RT	-	19	-	-	18	-	32	SE QUADRANT
0020	50+22	-	50+62	LINCOLN AVE	LT	4	53	-	-	28	24	43	NW QUADRANT
0020	50+95	-	51+22	LINCOLN AVE	LT	-	26	-	-	8	-	37	NE QUADRANT
0020	50+89	-	51+25	LINCOLN AVE	RT	-	23	-	-	15	-	36	SE QUADRANT
0020	56+85	-	56+96	STH 21	RT	-	-	-	-	-	-	15	ENTRANCE
0020	62+46	-	62+79	INDUSTRIAL AVE	RT	2	30	-	-	12	13	31	SW QUADRANT
0020	63+21	-	63+51	INDUSTRIAL AVE	RT	1	26	-	-	12	8	31	SE QUADRANT
0010	-	-	-	CTH FF	-	-	-	92	-	-	-	-	SW QUADRANT
0010	-	-	-	CTH FF	-	-	-	58	-	-	-	-	SE QUADRANT
0010	-	-	-	REIGHMOOR RD	-	-	-	61	-	-	-	-	NW QUADRANT
0010	-	-	-	REIGHMOOR RD	-	-	-	92	-	-	-	-	NE QUADRANT
0010	-	-	-	SAND PIT RD	-	-	-	-	90	-	-	-	SW QUADRANT
0010	-	-	-	SAND PIT RD	-	-	-	-	56	-	-	-	SE QUADRANT
0010	-	-	-	SAND PIT RD	-	-	-	-	59	-	-	-	NW QUADRANT
0010	-	-	-	SAND PIT RD	-	-	-	-	92	-	-	-	NE QUADRANT
				SUBTOTAL		16	328	303	297	168	94	401	
				TOTAL 0010		**0**	**0**	**303**	**297**	**0**	**0**	**0**	
				TOTAL 0020		**44**	**1,370**	**0**	**0**	**857**	**241**	**2,049**	

* QUANTITY SHOWN ELSEWHERE

CLEARING AND GRUBBING

CATEGORY	STATION	TO	STATION	LOCATION	OFFSET	201.0105 CLEARING 6180-30-72 STA	6180-30-73 STA	201.0120 CLEARING 6180-30-72 ID	201.0205 GRUBBING 6180-30-72 STA	6180-30-73 STA	201.0220 GRUBBING 6180-30-72 ID
0010	199+00	-	200+00	STH 21 'EB'	RT	1	-	-	1	-	-
0010	203+00	-	204+00	STH 21 'EB'	RT	1	-	-	1	-	-
0010	505+00	-	507+00	CTH FF 'NB'	RT	2	-	-	2	-	-
0010	507+23		--	CTH FF 'NB'	RT	-	-	6	-	-	6
0010	508+00	-	512+00	CTH FF 'NB'	RT	4	-	-	4	-	-
0010	608+60		--	CTH FF 'SB'	LT	-	-	3	-	-	3
0010	609+00	-	610+00	CTH FF 'SB'	LT	1	-	-	1	-	-
0010	613+00	-	614+00	REIGHMOOR 'SB'	LT	1	-	-	1	-	-
0010	615+00	-	616+00	REIGHMOOR 'SB'	LT	1	-	-	1	-	-
0010	358+00	-	359+00	STH 21 'WB'	LT	-	1	-	-	1	-
0010	806+00	-	809+00	SAND PIT 'SB'	LT	-	3	-	-	3	-
				SUBTOTAL		11	4	9	11	4	9
				TOTAL 0010		**11**	**4**	**9**	**11**	**4**	**9**

DIVISION	CATEGORY	STATION	TO	STATION	LOCATION	205.0100 COMMON EXCAVATION (1) 6180-30-72 CUT (2)	205.0100 COMMON EXCAVATION (1) 6180-30-72 EBS EXCAVATION (3)	SALVAGED/UNUSABLE PAVEMENT MATERIAL	AVAILABLE MATERIAL (5)	UNEXPANDED FILL	EXPANDED FILL FACTOR 1.25	SPV.0035.01 FOUNDATION BACKFILL 6180-30-72	MASS ORDINATE +/- (14)	WASTE	COMMENT
STH 21 & CTH FF RAB															
	0010	193+00	-	200+75	STH 21 EB WEST LEG	6,309	0	514	5,795	324	405	0	5,390	5,390	
	0010	202+50	-	210+00	STH 21 EB EAST LEG	3,675	0	496	3,179	357	446	0	2,733	2,733	
	0010	404+50	-	405+00	STH 21 WB WEST LEG	164	0	34	130	40	50	0	80	80	
	0010	407+00	-	411+50	STH 21 WB EAST LEG	1,820	0	297	1,523	978	1,223	0	301	301	
	0010	505+50	-	512+00	CTH FF NB SOUTH LEG	2,769	0	130	2,639	240	300	0	2,339	2,339	
	0010	513+75	-	520+50	CTH FF NB NORTH LEG	3,539	0	127	3,412	232	290	0	3,122	3,122	
	0010	611+50	-	612+00	CTH FF SB SOUTH LEG	129	0	10	119	50	63	0	57	57	
	0010	613+75	-	612+00	CTH FF SB NORTH LEG	132	0	10	122	17	21	0	101	101	
	0010	20+00	-	23+24.15	RAB	2,576	0	0	2,576	548	685	0	1,891	1,891	(15)
CULVERT PIPE TRANSITION	0010	206+85			STH 21 EB EAST LEG	208	0	0	208	0	0	293	208	208	
STH 21 & CTH FF RAB SUBTOTAL						21,321	0	1,618	19,495	2,786	3,483	293	16,013	16,013	
GRAND TOTAL	0010					21,321	0	1,618	19,495	2,786	3,483	293	16,013	16,013	
TOTAL COMMON EXC						21,321									

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 BORROW MATERIAL. NOTE: THIS IS DESIGNERS CHOICE, CAN BE BACKFILLED WITH BORROW, OR CUT AS WELL.
(5) AVAILABLE MATERIAL = CUT - SALVAGED/UNUSUABLE PAVEMENT MATERIAL
(14) THE MASS ORDINATE + OR - QTY CALCULATED FOR THE DIVISION. PLUS QUANTITY INDICATES AN EXCESS OF MATERIAL WITHIN THE DIVISION. MINUS INDICATES A SHORTAGE OF MATERIAL WITHIN THE DIVISION.
(15) CUT & FILL VOLUMES FROM SURFACE COMPARISON, NOT AVERAGE END AREA CALCULATION.

DIVISION	CATEGORY	STATION	TO	STATION	LOCATION	205.0100 COMMON EXCAVATION (1) 6180-30-73 CUT (2)	205.0100 COMMON EXCAVATION (1) 6180-30-73 EBS EXCAVATION (3)	SALVAGED/UNUSABLE PAVEMENT MATERIAL	AVAILABLE MATERIAL (5)	UNEXPANDED FILL	EXPANDED FILL FACTOR 1.25	MASS ORDINATE +/- (14)	WASTE	COMMENT
STH 21 & SANDPIT RAB														
	0010	358+00	-	358+50	STH 21 EB WEST LEG	152	0	34	118	134	168	-50	-50	
	0010	256+00	-	263+41	STH 21 EB EAST LEG	3,629	0	490	3,139	311	389	2,750	2,750	
	0010	358+00	-	358+50	STH 21 WB WEST LEG	152	0	34	118	134	168	-50	-50	
	0010	360+25	-	364+00	STH 21 WB EAST LEG	693	0	248	445	891	1,114	-669	-669	
	0010	600+00.26	-	604+50	SANDPIT NB SOUTH LEG	1,717	0	90	1,627	232	290	1,337	1,337	
	0010	606+25	-	612+84	SANDPIT NB NORTH LEG	2,189	0	132	2,057	372	465	1,592	1,592	
	0010	804+00	-	804+50	SANDPIT SB SOUTH LEG	57	0	10	47	115	144	-97	-97	
	0010	806+25	-	807+00	SANDPIT SB NORTH LEG	171	0	15	156	122	153	4	4	
	0010	10+00	-	12+80	RAB	1,730	0	0	1,730	1,031	1,289	441	441	(15)
STH 21 & SANDPIT RAB SUBTOTAL						10,490	0	1,053	9,437	3,342	4,178	5,260	5,260	
GRAND TOTAL	0010					10,490	0	1,053	9,437	3,342	4,178	5,260	5,260	
TOTAL COMMON EXC						10,490								

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 BORROW MATERIAL. NOTE: THIS IS DESIGNERS CHOICE, CAN BE BACKFILLED WITH BORROW, OR CUT AS WELL.
(5) AVAILABLE MATERIAL = CUT - SALVAGED/UNUSUABLE PAVEMENT MATERIAL
(14) THE MASS ORDINATE + OR - QTY CALCULATED FOR THE DIVISION. PLUS QUANTITY INDICATES AN EXCESS OF MATERIAL WITHIN THE DIVISION. MINUS INDICATES A SHORTAGE OF MATERIAL WITHIN THE DIVISION.
(15) CUT & FILL VOLUMES FROM SURFACE COMPARISON, NOT AVERAGE END AREA CALCULATION.

3

BASE AGGREGATE

CATEGORY	STATION	TO	STATION	LOCATION	305.0110 BASE AGGREGATE DENSE 3/4-INCH 6180-30-72 TON	305.0110 BASE AGGREGATE DENSE 3/4-INCH 6180-30-73 TON	305.0120 BASE AGGREGATE DENSE 1 1/4-INCH 6180-30-72 TON	305.0120 BASE AGGREGATE DENSE 1 1/4-INCH 6180-30-73 TON	312.0110 SELECT CRUSHED MATERIAL 6180-30-72 TON	312.0110 SELECT CRUSHED MATERIAL 6180-30-73 TON	624.0100 WATER 6180-30-72 MGAL	624.0100 WATER 6180-30-73 MGAL
0010	192+74	-	196+92	STH 21 'EB'	380	-	890	-	1,910	-	19	-
0010	196+92	-	198+57	STH 21 'EB'	140	-	400	-	860	-	8	-
0010	198+57	-	200+81	STH 21 'EB'	68	-	510	-	1,240	-	9	-
0010	200+81	-	202+34	STH 21 'EB'	-	-	570	-	1,440	-	9	-
0010	202+34	-	204+04	STH 21 'EB'	18	-	390	-	960	-	6	-
0010	204+04	-	206+06	STH 21 'EB'	170	-	490	-	1,060	-	10	-
0010	206+06	-	210+24	STH 21 'EB'	380	-	890	-	1,910	-	19	-
0010	245+59	-	249+67	STH 21 'EB'	-	370	-	870	-	1,870	-	19
0010	249+67	-	253+28	STH 21 'EB'	-	310	-	850	-	1,860	-	17
0010	253+28	-	254+28	STH 21 'EB'	-	-	-	240	-	620	-	4
0010	254+28	-	255+78	STH 21 'EB'	-	-	-	550	-	1,390	-	8
0010	255+78	-	256+88	STH 21 'EB'	-	-	-	260	-	670	-	4
0010	256+88	-	259+83	STH 21 'EB'	-	230	-	700	-	1,530	-	14
0010	259+83	-	263+41	STH 21 'EB'	-	330	-	770	-	1,640	-	16
0010	505+06	-	508+91	CTH FF 'NB'	92	-	630	-	1,060	-	11	-
0010	508+91	-	510+82	CTH FF 'NB'	59	-	380	-	880	-	7	-
0010	510+82	-	512+23	CTH FF 'NB'	23	-	270	-	680	-	4	-
0010	513+56	-	515+40	REIGHMOOR 'NB'	23	-	350	-	860	-	6	-
0010	515+40	-	517+08	REIGHMOOR 'NB'	46	-	320	-	450	-	6	-
0010	517+08	-	520+53	REIGHMOOR 'NB'	81	-	500	-	630	-	9	-
0010	600+00	-	602+72	SAND PIT 'NB'	-	50	-	390	-	480	-	7
0010	602+72	-	603+60	SAND PIT 'NB'	-	8	-	150	-	210	-	2
0010	603+60	-	604+78	SAND PIT 'NB'	-	8	-	220	-	540	-	3
0010	606+10	-	607+02	SAND PIT 'NB'	-	-	-	180	-	470	-	3
0010	607+02	-	609+68	SAND PIT 'NB'	-	200	-	480	-	990	-	10
0010	609+68	-	612+84	SAND PIT 'NB'	-	60	-	410	-	550	-	7
				SUBTOTAL	1,480	1,566	6,590	6,070	13,940	12,820	123	114
				TOTAL 0010	**1,480**	**1,566**	**6,590**	**6,070**	**13,940**	**12,820**	**123**	**114**

QMP BASE AGGREGATE DENSE 1 1/4-INCH COMPACTION

CATEGORY	LOCATION	371.2000.S QMP BASE AGGREGATE DENSE 1 1/4-INCH COMPACTION 6180-30-72 EACH	371.2000.S QMP BASE AGGREGATE DENSE 1 1/4-INCH COMPACTION 6180-30-73 EACH
0010	CTH FF/REIGHMOOR ROAD ROUNDABOUT	4	-
0010	SAND PIT ROAD ROUNDABOUT	-	4
	SUBTOTAL	4	4
	TOTAL 0010	**4**	**4**

3

BASE PATCHING

6180-30-71

CATEGORY	STATION	TO	STATION	LOCATION	OFFSET	390.0100 REMOVING PAVEMENT FOR BASE PATCHING CY	390.0305 BASE PATCHING CONCRETE HES CY	390.0405 BASE PATCHING CONCRETE SHES CY	* 416.0610 DRILLED TIE BARS EACH	* 416.0620 DRILLED DOWEL BARS EACH	* 690.0250 SAWING CONCRETE LF
0010	1+05	-	1+14	STH 21	LT	3	3	-	-	16	44
0010	1+31	-	1+37	STH 21	RT	2	2	-	-	16	36
0010	1+38	-	1+43	STH 21	RT	1	1	-	8	-	20
0010	1+47	-	1+65	STH 21	RT	6	6	-	5	24	58
0010	1+55	-	2+08	STH 21	LT	27	27	-	27	48	209
0010	1+67	-	1+73	STH 21	RT	2	2	-	-	16	38
0010	2+02	-	2+08	STH 21	RT	2	2	-	-	16	36
0010	2+27	-	2+36	STH 21	RT	3	3	-	-	16	42
0010	2+36	-	2+42	STH 21	LT	2	2	-	-	16	36
0010	2+42	-	2+53	STH 21	RT	4	4	-	-	32	72
0010	2+49	-	2+58	STH 21	LT	4	4	-	-	32	68
0010	2+63	-	2+69	STH 21	RT	1	1	-	8	-	25
0010	2+74	-	2+80	STH 21	LT	2	2	-	-	16	36
0010	2+80	-	2+90	STH 21	RT	5	5	-	-	32	70
0010	3+19	-	3+25	STH 21	LT	2	2	-	-	16	36
0010	3+22	-	3+28	STH 21	RT	2	2	-	-	16	36
0010	3+55	-	3+61	STH 21	LT	2	2	-	-	16	36
0010	3+60	-	3+66	STH 21	RT	2	2	-	-	16	36
0010	3+73	-	3+79	STH 21	LT/RT	1	1	-	8	-	24
0010	3+79	-	3+88	STH 21	RT	3	3	-	-	16	42
0010	3+85	-	3+96	STH 21	LT	4	4	-	-	16	46
0010	4+28	-	4+36	STH 21	RT	3	3	-	-	16	40
0010	4+32	-	4+38	STH 21	LT	2	2	-	-	16	36
0010	4+51	-	4+57	STH 21	RT	1	1	-	-	4	14
0010	4+74	-	4+78	STH 21	RT	1	1	-	8	-	31
0010	5+08	-	5+14	STH 21	RT	1	1	-	8	-	21
0010	5+38	-	5+44	STH 21	RT	2	2	-	-	16	38
0010	7+58	-	7+65	STH 21	RT	2	2	-	-	16	38
0010	7+70	-	7+76	STH 21	LT	2	2	-	-	16	38
0010	8+44	-	8+50	STH 21	LT	1	1	-	-	8	30
0010	8+44	-	8+50	STH 21	LT	1	1	-	8	-	22
0010	9+65	-	9+71	STH 21	LT/RT	3	3	-	-	16	44
0010	10+44	-	10+51	STH 21	RT	5	5	-	-	32	60
0010	11+43	-	11+49	STH 21	LT	2	2	-	-	16	38
0010	12+00	-	12+06	STH 21	LT/RT	4	4	-	-	32	70
0010	12+20	-	12+26	STH 21	LT/RT	1	1	-	8	-	25
0010	12+35	-	12+41	STH 21	RT	2	2	-	-	16	38
0010	12+73	-	12+79	STH 21	RT	2	2	-	-	16	38
0010	13+23	-	13+48	STH 21	RT	9	9	-	20	16	75
0010	13+48	-	13+57	STH 21	RT	1	1	-	-	6	29
0010	13+77	-	13+99	STH 21	LT	9	9	-	9	16	51
0010	13+93	-	14+06	STH 21	RT	6	6	-	-	32	71
0010	14+11	-	14+17	STH 21	LT/RT	4	4	-	-	32	68
0010	14+30	-	14+36	STH 21	RT	2	2	-	-	16	31
0010	14+48	-	14+54	STH 21	RT	4	4	-	-	32	55
0010	14+67	-	14+73	STH 21	RT	4	4	-	-	32	55
0010	15+30	-	15+36	STH 21	LT	4	4	-	-	32	55
0010	15+47	-	15+53	STH 21	RT	2	2	-	-	16	31
0010	16+25	-	16+31	STH 21	RT	2	2	-	0	16	36
0010	16+28	-	16+50	STH 21	LT	7	7	-	17	16	65
				SUBTOTAL		170	170	0	134	858	2,289

*QUANTITY SHOWN ELSEWHERE

BASE PATCHING (CONTINUED)

6180-30-71

CATEGORY	STATION	TO	STATION	LOCATION	OFFSET	390.0100 REMOVING PAVEMENT FOR BASE PATCHING CY	390.0305 BASE PATCHING CONCRETE HES CY	390.0405 BASE PATCHING CONCRETE SHES CY	* 416.0610 DRILLED TIE BARS EACH	* 416.0620 DRILLED DOWEL BARS EACH	* 690.0250 SAWING CONCRETE LF
0010	16+82	-	16+88	STH 21	RT	4	4	-	-	30	56
0010	17+57	-	17+67	STH 21	RT	3	3	-	-	16	44
0010	17+74	-	17+80	STH 21	RT	1	1	-	8	-	20
0010	20+12	-	20+18	STH 21	LT	2	2	-	-	14	32
0010	21+10	-	21+36	STH 21	RT	6	6	-	22	16	75
0010	21+24	-	21+30	STH 21	LT	1	1	-	8	-	20
0010	21+86	-	21+92	STH 21	RT	2	2	-	-	16	36
0010	23+80	-	23+91	STH 21	RT	4	4	-	-	16	36
0010	23+87	-	23+93	STH 21	LT	2	-	2	-	16	36
0010	23+99	-	24+12	STH 21	RT	4	-	4	-	16	50
0010	25+34	-	25+46	STH 21	LT/RT	11	-	11	-	48	99
0010	25+48	-	25+53	STH 21	RT	1	1	-	-	3	25
0010	25+67	-	25+73	STH 21	RT	2	2	-	-	16	36
0010	25+98	-	26+30	STH 21	RT	10	10	-	20	16	76
0010	26+15	-	26+21	STH 21	LT	2	2	-	-	16	31
0010	27+01	-	27+13	STH 21	LT	1	1	-	-	4	32
0010	27+53	-	27+89	STH 21	RT	13	13	-	11	32	93
0010	28+24	-	28+30	STH 21	RT	2	2	-	-	16	31
0010	28+43	-	28+49	STH 21	RT	2	2	-	-	16	36
0010	30+22	-	30+28	STH 21	RT	2	2	-	-	16	36
0010	30+38	-	30+48	STH 21	RT	3	3	-	-	16	44
0010	30+91	-	30+97	STH 21	RT	2	2	-	-	16	31
0010	31+64	-	31+70	STH 21	RT	2	2	-	-	16	36
0010	31+83	-	31+89	STH 21	RT	2	2	-	-	16	36
0010	32+02	-	32+08	STH 21	RT	2	2	-	-	16	36
0010	32+21	-	32+27	STH 21	RT	2	2	-	-	16	36
0010	33+11	-	33+17	STH 21	RT	1	1	-	8	-	24
0010	34+53	-	34+60	STH 21	LT	1	1	-	8	-	26
0010	34+60	-	34+67	STH 21	RT	2	2	-	8	-	29
0010	34+72	-	34+79	STH 21	RT	2	2	-	-	12	26
0010	34+72	-	34+79	STH 21	LT	2	-	2	-	16	38
0010	34+79	-	34+85	STH 21	LT	1	1	-	-	6	17
0010	35+66	-	35+73	STH 21	LT	1	1	-	8	-	26
0010	36+30	-	36+36	STH 21	RT	1	1	-	8	-	24
0010	38+20	-	38+26	STH 21	RT	2	2	-	-	16	31
0010	38+69	-	38+75	STH 21	LT	1	1	-	8	-	24
0010	38+70	-	38+76	STH 21	RT	1	1	-	8	-	25
0010	40+37	-	40+43	STH 21	LT	1	1	-	6	-	17
0010	41+42	-	41+55	STH 21	RT	8	8	-	-	32	62
0010	41+81	-	42+11	STH 21	RT	12	12	-	10	32	79
0010	41+91	-	41+97	STH 21	LT	1	1	-	8	-	24
0010	43+27	-	43+33	STH 21	LT	2	2	-	-	16	36
0010	44+07	-	44+53	STH 21	RT	15	15	-	38	16	116
0010	44+30	-	44+38	STH 21	RT	1	1	-	8	-	27
0010	44+38	-	44+44	STH 21	RT	1	1	-	8	-	24
0010	44+39	-	44+45	STH 21	RT	1	1	-	6	-	15
0010	44+56	-	44+62	STH 21	RT	1	1	-	8	-	23
0010	45+45	-	45+51	STH 21	RT	2	2	-	-	16	31
0010	46+82	-	46+88	STH 21	RT	2	2	-	-	16	36
0010	46+95	-	47+02	STH 21	LT	1	1	-	8	-	24
				SUBTOTAL		151	132	19	225	597	1,923

*QUANTITY SHOWN ELSEWHERE

3

BASE PATCHING (CONTINUED)

6180-30-71

CATEGORY	STATION	TO	STATION	LOCATION	OFFSET	390.0100 REMOVING PAVEMENT FOR BASE PATCHING CY	390.0305 BASE PATCHING CONCRETE HES CY	390.0405 BASE PATCHING CONCRETE SHES CY	* 416.0610 DRILLED TIE BARS EACH	* 416.0620 DRILLED DOWEL BARS EACH	* 690.0250 SAWING CONCRETE LF
0010	47+37	-	47+44	STH 21	LT	2	2	-	-	12	25
0010	48+05	-	48+17	STH 21	LT	6	6	-	-	32	63
0010	48+65	-	48+80	STH 21	RT	5	5	-	-	16	54
0010	48+67	-	48+80	STH 21	LT	4	4	-	-	16	37
0010	49+43	-	49+56	STH 21	LT/RT	6	6	-	-	32	80
0010	49+56	-	49+75	STH 21	RT	11	11	-	3	32	68
0010	50+71	-	50+77	STH 21	LT	1	1	-	8	-	27
0010	50+74	-	50+92	STH 21	LT	5	5	-	8	12	36
0010	50+81	-	50+92	STH 21	LT/RT	7	7	-	-	32	81
0010	50+85	-	50+92	STH 21	RT	1	1	-	8	-	26
0010	50+98	-	51+04	STH 21	RT	1	1	-	6	-	16
0010	51+01	-	51+13	STH 21	LT	3	3	-	-	14	48
0010	51+75	-	51+93	STH 21	RT	6	6	-	12	16	40
0010	51+81	-	51+87	STH 21	LT	2	2	-	-	16	36
0010	51+99	-	52+05	STH 21	LT	2	2	-	-	16	36
0010	52+61	-	52+67	STH 21	RT	2	2	-	-	16	36
0010	53+04	-	53+10	STH 21	LT	2	2	-	-	16	36
0010	54+53	-	54+62	STH 21	LT	2	2	-	8	-	31
0010	54+82	-	55+04	STH 21	RT	8	8	-	8	32	78
0010	55+09	-	55+15	STH 21	LT	1	1	-	6	-	20
0010	55+28	-	55+34	STH 21	LT	2	2	-	-	16	36
0010	56+41	-	56+57	STH 21	RT	5	5	-	7	16	41
0010	56+69	-	56+80	STH 21	LT	4	4	-	-	16	46
0010	56+77	-	56+83	STH 21	LT	1	1	-	8	-	24
0010	56+80	-	57+18	STH 21	RT	13	13	-	16	16	63
0010	57+15	-	57+21	STH 21	LT	2	2	-	-	16	36
0010	57+33	-	57+39	STH 21	LT	2	2	-	-	16	36
0010	57+62	-	57+68	STH 21	RT	2	2	-	-	16	36
0010	58+10	-	58+20	STH 21	RT	3	3	-	-	16	44
0010	58+16	-	58+22	STH 21	LT	2	2	-	-	16	32
0010	58+35	-	58+90	STH 21	RT	19	19	-	22	16	80
0010	58+38	-	58+52	STH 21	LT	5	5	-	-	16	52
0010	58+65	-	58+75	STH 21	LT	3	3	-	-	16	44
0010	59+08	-	59+14	STH 21	LT	1	1	-	8	-	24
0010	59+43	-	59+59	STH 21	RT	6	6	-	-	32	78
0010	59+74	-	59+87	STH 21	LT/RT	8	8	-	-	32	85
0010	60+75	-	60+87	STH 21	LT	4	4	-	-	16	37
0010	60+87	-	61+42	STH 21	RT	19	19	-	22	16	80
0010	61+42	-	61+60	STH 21	LT	6	6	-	16	16	60
0010	61+66	-	61+72	STH 21	LT	2	2	-	-	16	36
0010	61+85	-	61+91	STH 21	LT	2	2	-	-	16	36
0010	62+04	-	62+10	STH 21	RT	2	2	-	-	16	36
0010	62+53	-	62+74	STH 21	RT	8	8	-	5	36	89
0010	62+53	-	62+76	STH 21	LT	12	12	-	10	32	74
0010	63+07	-	63+14	STH 21	RT	1	1	-	6	-	21
0010	63+46	-	63+54	STH 21	RT	3	3	-	-	16	32
0010	64+24	-	64+30	STH 21	RT	2	2	-	-	16	36
0010	64+84	-	65+13	STH 21	RT	14	14	-	10	32	69
0010	64+92	-	65+23	STH 21	LT	19	19	-	5	32	60
	UNDISTRIBUTED			STH 21		28	27	1	28	114	325
					SUBTOTAL	275	274	1	230	940	2,621
					TOTAL 0010	**596**	**576**	**20**	**589**	**2,395**	**6,833**

*QUANTITY SHOWN ELSEWHERE

3

CONCRETE PAVEMENT

CATEGORY	LOCATION	* 405.0100 COLORING CONCRETE WISDOT RED 6180-30-72 CY	405.0100 6180-30-73 CY	415.2010 CONCRETE TRUCK APRON 12-INCH 6180-30-72 SY	415.2010 6180-30-73 SY	REMARKS
0010	CTH FF/REIGHMOOR RD ROUNDABOUT	137	-	411	-	CENTER ISLAND
0010	CTH FF/REIGHMOOR RD ROUNDABOUT	37	-	111	-	SW QUADRANT
0010	CTH FF/REIGHMOOR RD ROUNDABOUT	41	-	122	-	NE QUADRANT
0010	SAND PIT RD ROUNDABOUT	-	140	-	420	CENTER ISLAND
0010	SAND PIT RD ROUNDABOUT	-	36	-	108	SW QUADRANT
0010	SAND PIT RD ROUNDABOUT	-	30	-	91	NE QUADRANT
	SUBTOTAL	215	206	644	619	
	TOTAL 0010	**215**	**206**	**644**	**619**	

* QUANTITY SHOWN ELSEWHERE

CONTINUOUS PAVEMENT DIAMOND GRINDING CONCRETE PAVEMENT

6180-30-71

CATEGORY	STATION	TO	STATION	LOCATION	420.1000 CONTINUOUS PAVEMENT DIAMOND GRINDING CONCRETE PAVEMENT SY
0010	0+81	-	65+25	STH 21	16,160
				TOTAL 0010	**16,160**

CONCRETE REPAIR & REPLACEMENT

6180-30-71

CATEGORY	STATION	TO	STATION	LOCATION	OFFSET	416.1710 CONCRETE PAVEMENT REPAIR SY	416.1720 CONCRETE PAVEMENT REPLACEMENT SY	* 416.0610 DRILLED TIE BARS EACH	* 416.0620 DRILLED DOWEL BARS EACH	* 690.0250 SAWING CONCRETE LF
0010	102+87	-	103+06	STH 21	RT	-	32	8	16	49
0010	103+04	-	103+14	STH 21	LT	14	-	-	16	38
0010	122+56	-	122+81	STH 21	LT	-	40	10	16	55
0010	137+11	-	137+20	STH 21	LT	15	-	-	16	39
0010	228+07	-	228+26	STH 21	RT	-	32	8	16	49
0010	230+97	-	231+05	STH 21	LT	6	-	-	8	22
0010	231+79	-	231+98	STH 21	LT	-	32	8	16	49
0010	240+50	-	240+94	STH 21	LT	-	73	8	16	49
0010	240+50	-	240+75	STH 21	RT	-	42	-	16	30
0010	240+94	-	241+12	STH 21	RT	-	30	8	16	48
0010	241+56	-	241+74	STH 21	LT/RT	-	60	-	32	60
0010	241+86	-	241+99	STH 21	RT	22	-	-	16	43
0010	242+18	-	242+36	STH 21	LT	-	30	-	16	30
0010	242+18	-	242+69	STH 21	RT	-	84	14	16	63
0010	244+04	-	244+22	STH 21	RT	-	30	8	16	48
0010	245+09	-	245+28	STH 21	RT	-	32	8	16	49
0010	270+71	-	270+89	STH 21	RT	-	30	4	16	38
0010	270+79		270+89	STH 21	LT	14	-	-	16	30
0010	277+95	-	278+04	STH 21	RT	15	-	-	16	39
0010	289+50	-	289+59	STH 21	RT	15	-	-	16	39
0010	291+37	-	291+46	STH 21	RT	15	-	-	16	39
0010	305+94	-	306+13	STH 21	RT	-	32	8	16	49
	UNDISTRIBUTED			STH 21		6	29	5	18	48
				TOTAL 0010		**122**	**608**	**97**	**378**	**1,003**

* QUANTITY SHOWN ELSEWHERE

3

HMA PAVEMENT

					450.4000			455.0605			460.6224	460.7223		460.7424		465.0105	
					HMA COLD WEATHER PAVING			TACK COAT			HMA PAVEMENT 4 MT 58-28 S	HMA PAVEMENT 3 HT 58-28 S		HMA PAVEMENT 4 HT 58-28-H		ASPHALTIC SURFACE	
					6180-30-71	6180-30-72	6180-30-73	6180-30-71	6180-30-72	6180-30-73	6180-30-71	6180-30-72	6180-30-73	6180-30-72	6180-30-73	6180-30-71	
CATEGORY	STATION	TO	STATION	LOCATION	TON	TON	TON	GAL	GAL	GAL	TON	TON	TON	TON	TON	TON	REMARKS
0010	0+81	-	65+25	STH 21	-	-	-	2,510	-	-	3,810	-	-	-	-	-	OVERLAY
0010	1+22	-	63+23	STH 21	-	-	-	-	-	-	-	-	-	-	-	10	CURB & GUTTER PATCHING
0010	-	-	-	CTH FF/REIGHMOOR RD ROUNDABOUT	-	-	-	-	1,420	-	-	4,470	-	1,060	-	-	STH 21 & CTH FF/REIGHMOOR WITHIN MEDIAN CURB AND GUTTER
0010	-	-	-	SAND PIT RD ROUNDABOUT	-	-	-	-	-	1,370	-	-	4,320	-	1,030	-	STH 21 & SAND PIT WITHIN MEDIAN CURB AND GUTTER
0010	505+06	-	508+91	CTH FF 'NB'	-	-	-	-	41	-	-	213	-	159	-	-	OUTSIDE CTH FF MEDIAN CURB AND GUTTER
0010	515+40	-	520+53	REIGHMOOR 'NB'	-	-	-	-	94	-	-	257	-	185	-	-	OUTSIDE REIGHMOOR MEDIAN CURB AND GUTTER
0010	600+00	-	603+60	SAND PIT 'NB'	-	-	-	-	-	60	-	-	165	-	119	-	OUTSIDE SAND PIT MEDIAN CURB AND GUTTER
0010	609+68	-	612+84	SAND PIT 'NB'	-	-	-	-	-	48	-	-	130	-	64	-	OUTSIDE SAND PIT MEDIAN CURB AND GUTTER
0010	UNDISTRIBUTED				380	635	-	-	-	-	-	-	-	-	-	-	
				SUBTOTAL	380	635	0	2,510	1,555	1,478	3,810	4,940	4,615	1,404	1,213	10	
				TOTAL 0010	**380**	**635**	**0**	**2,510**	**1,555**	**1,478**	**3,810**	**4,940**	**4,615**	**1,404**	**1,213**	**10**	

PWL MIXTURE USE TABLE

STATION	TO	STATION	LOCATION		DESCRIPTION	MIXTURE USE	UNDERLYING SURFACE	BID ITEM	TONS	THICKNESS	QMP TO BE USED FOR: MIXTURE ACCEPTANCE	QMP TO BE USED FOR: DENSITY ACCEPTANCE
0+81	-	13+55	STH 21	LT & RT	13' MAINLINE DRIVING LANES	UPPER LAYER	EXISTING CONCRETE PAVEMENT	4 MT 58-28 S	401	1.75"	PWL INCENTIVE AIR VOIDS HMA PAVEMENT 460.2010	INCENTIVE DENSITY PWL HMA PAVEMENT 460.2005
13+55	-	65+25	STH 21	LT & RT	12' MAINLINE DRIVING LANES	UPPER LAYER	EXISTING CONCRETE PAVEMENT	4 MT 58-28 S	1489	1.75"		
0+81	-	13+55	STH 21	LT & RT	12' PARKING LANES	UPPER LAYER	EXISTING CONCRETE PAVEMENT	4 MT 58-28 S	367	1.75"	PWL INCENTIVE AIR VOIDS HMA PAVEMENT 460.2010	DEPARTMENT ACCEPTANCE (SS 460.3.3.2) *NOT ELIGIBLE FOR INCENTIVE
13+55	-	65+25	STH 21	LT & RT	10' PARKING LANES	UPPER LAYER	EXISTING CONCRETE PAVEMENT	4 MT 58-28 S	1241	1.75"		
STH 21 NORTH/STH 116/CTH F				LT	SIDE ROAD	UPPER LAYER	EXISTING CONCRETE PAVEMENT	4 MT 58-28 S	51	1.75"		
ADAMS AVE				RT	SIDE ROAD	UPPER LAYER	MILLED EXISTING HMA SURFACE	4 MT 58-28 S	14	1.75"		
JEFFERSON AVE				RT	SIDE ROAD	UPPER LAYER	MILLED EXISTING HMA SURFACE	4 MT 58-28 S	22	1.75"		
WEBSTER AVE				RT	SIDE ROAD	UPPER LAYER	MILLED EXISTING HMA SURFACE	4 MT 58-28 S	13	1.75"		
WEBSTER AVE				LT	SIDE ROAD	UPPER LAYER	MILLED EXISTING HMA SURFACE	4 MT 58-28 S	11	1.75"		
MADISON AVE				RT	SIDE ROAD	UPPER LAYER	MILLED EXISTING HMA SURFACE	4 MT 58-28 S	16	1.75"		
MONROE AVE				RT	SIDE ROAD	UPPER LAYER	MILLED EXISTING HMA SURFACE	4 MT 58-28 S	15	1.75"		
QUINCY AVE				RT	SIDE ROAD	UPPER LAYER	MILLED EXISTING HMA SURFACE	4 MT 58-28 S	10	1.75"		
SCOTT PARK DR				LT	SIDE ROAD	UPPER LAYER	MILLED EXISTING HMA SURFACE	4 MT 58-28 S	5	1.75"		
JACKSON AVE				RT	SIDE ROAD	UPPER LAYER	MILLED EXISTING HMA SURFACE	4 MT 58-28 S	15	1.75"		
VAN BUREN AVE				RT	SIDE ROAD	UPPER LAYER	MILLED EXISTING HMA SURFACE	4 MT 58-28 S	12	1.75"		
HARRISON AVE				RT	SIDE ROAD	UPPER LAYER	MILLED EXISTING HMA SURFACE	4 MT 58-28 S	15	1.75"		
MAPLEWOOD RD (WEST)				LT	SIDE ROAD	UPPER LAYER	MILLED EXISTING HMA SURFACE	4 MT 58-28 S	22	1.75"		
MAPLEWOOD RD (EAST)				LT	SIDE ROAD	UPPER LAYER	MILLED EXISTING HMA SURFACE	4 MT 58-28 S	26	1.75"		
OMREAU AVE				LT	SIDE ROAD	UPPER LAYER	MILLED EXISTING HMA SURFACE	4 MT 58-28 S	13	1.75"		
MCKINLEY AVE				RT	SIDE ROAD	UPPER LAYER	MILLED EXISTING HMA SURFACE	4 MT 58-28 S	13	1.75"		
BECKWITH AVE				LT	SIDE ROAD	UPPER LAYER	MILLED EXISTING HMA SURFACE	4 MT 58-28 S	13	1.75"		
LINCOLN AVE				LT	SIDE ROAD	UPPER LAYER	MILLED EXISTING HMA SURFACE	4 MT 58-28 S	12	1.75"		
INDUSTRIAL DR				RT	SIDE ROAD	UPPER LAYER	MILLED EXISTING HMA SURFACE	4 MT 58-28 S	15	1.75"		

3

PWL MIXTURE USE TABLE (CONTINUED)

STATION	TO	STATION	LOCATION		DESCRIPTION	MIXTURE USE	UNDERLYING SURFACE	BID ITEM	TONS	THICKNESS	QMP TO BE USED FOR: MIXTURE ACCEPTANCE	QMP TO BE USED FOR: DENSITY ACCEPTANCE
REIGHMOOR RD/CTH FF/STH 21				6180-30-72	RAB	LOWER LAYER	BASE AGGREGATE DENSE	3 HT 58-28 S	1625	3"	QMP (SS 460.2.8)	INCENTIVE DENSITY HMA PAVEMENT 460.2000
						2ND LAYER	3 HT 58-28 S	3 HT 58-28 S	1625	3"		
						3RD LAYER	3 HT 58-28 S	3 HT 58-28 S	1220	2.25"		
						UPPER LAYER	3 HT 58-28 S	4 HT 58-28 H	1060	2"		
505+06	-	508+91		6180-30-72	CTH FF	LOWER LAYER	BASE AGGREGATE DENSE	3 HT 58-28 S	213	2.50"		
						UPPER LAYER	3 HT 58-28 S	4 HT 58-28 H	159	2.00"		
515+40	-	520+53		6180-30-72	REIGHMOOR RD	LOWER LAYER	BASE AGGREGATE DENSE	3 HT 58-28 S	257	2.25"		
						UPPER LAYER	3 HT 58-28 S	4 HT 58-28 H	185	1.75"		
SAND PIT RD/STH 21				6180-30-73	RAB	LOWER LAYER	BASE AGGREGATE DENSE	3 HT 58-28 S	1571	3"	QMP (SS 460.2.8)	INCENTIVE DENSITY HMA PAVEMENT 460.2000
						2ND LAYER	3 HT 58-28 S	3 HT 58-28 S	1571	3"		
						3RD LAYER	3 HT 58-28 S	3 HT 58-28 S	1178	2.25"		
						UPPER LAYER	3 HT 58-28 S	4 HT 58-28 H	1030	2"		
600+00	-	603+60		6180-30-73	SAND PIT RD	LOWER LAYER	BASE AGGREGATE DENSE	3 HT 58-28 S	165	2.25"		
						UPPER LAYER	3 HT 58-28 S	4 HT 58-28 H	119	1.75"		
609+68	-	612+84		6180-30-73	SAND PIT RD	LOWER LAYER	BASE AGGREGATE DENSE	3 HT 58-28 S	130	2.25"		
						UPPER LAYER	3 HT 58-28 S	4 HT 58-28 H	64	1.75"		

3

CULVERT PIPES

										520.3318		520.3324	521.3717	521.3757	522.0142	522.0436	521.1018		521.1217
										CULVERT PIPE CLASS III-A 18-INCH		CULVERT PIPE CLASS III-A 24-INCH	PIPE ARCH CORRUGATED STEEL 17X13-INCH	PIPE ARCH CORRUGATED STEEL 57X38-INCH	CULVERT PIPE REINFORCED CONCRETE CLASS III 42-INCH	CULVERT PIPE REINFORCED CONCRETE CLASS IV 36-INCH	APRON ENDWALLS FOR CULVERT PIPE STEEL 18-INCH		APRON ENDWALLS FOR PIPE ARCH STEEL 17X13-INCH
				INLET			OUTLET			6180-30-72	6180-30-73	6180-30-73	6180-30-72	6180-30-72	6180-30-72	6180-30-73	6180-30-72	6180-30-73	6180-30-72
CATEGORY	STATION	LOCATION	OFFSET	STATION	OFFSET	ELEVATION	STATION	OFFSET	ELEVATION	LF	LF	LF	LF	LF	LF	LF	EACH	EACH	EACH
0010	198+30	STH 21 'EB'	47' RT	198+08	47' RT	788.40	198+52	47' RT	788.15	46	-	-	-	-	-	-	2	-	-
0010	206+85	STH 21 'EB'	-	206+84	37' RT	790.12	206+87	51' LT	789.88	-	-	-	-	-	88	-	-	-	-
0010	256+33	STH 21 'EB'	-	256+27	56' RT	840.90	256+37	68' LT	840.09	-	-	-	-	-	-	124	-	-	-
0010	261+34	STH 21 'EB'	35' RT	261+06	35' RT	844.72	261+62	35' RT	844.40	-	56	-	-	-	-	-	-	-	-
0010	507+80	CTH FF 'NB'	31' RT	507+96	31' RT	792.68	507+64	31' RT	792.50	32	-	-	-	-	-	-	2	-	-
0010	516+77	REIGHMOOR 'NB'	38' RT	516+49	40' RT	783.00	217+05	36' RT	782.72	-	-	-	-	56	-	-	-	-	-
0010	517+50	REIGHMOOR 'NB'	41' LT	517+31	43' LT	783.90	517+69	40' LT	782.65	-	-	-	38	-	-	-	-	-	2
0010	603+14	SAND PIT 'NB'	36' RT	602+71	29' RT	845.55	603+55	45' RT	842.02	-	88	-	-	-	-	-	-	2	-
0010	608+50	SAND PIT 'NB'	37' RT	608+33	38' RT	837.66	608+68	35' RT	837.22	-	-	34	-	-	-	-	-	-	-
0010	807+55	SAND PIT 'SB'	30' LT	807+38	31' LT	841.72	807+76	30' LT	841.07	-	38	-	-	-	-	-	-	2	-
0010	808+53	SAND PIT 'SB'	28' LT	808+36	29' LT	840.10	808+69	28' LT	839.36	-	34	-	-	-	-	-	-	-	-
		SUBTOTAL								78	216	34	38	56	88	124	4	4	2
		TOTAL 0010								**78**	**216**	**34**	**38**	**56**	**88**	**124**	**4**	**4**	**2**

CULVERT PIPES (CONTINUED)

										521.1257	521.1518	521.1524	* 522.1036	522.1042	* 633.5200		650.6000	
										APRON ENDWALLS FOR PIPE ARCH STEEL 57X38-INCH	APRON ENDWALLS FOR CULVERT PIPE SLOPED SIDE DRAINS STEEL 18-INCH 6 RO 1	APRON ENDWALLS FOR CULVERT PIPE SLOPED SIDE DRAINS STEEL 24-INCH 6 TO 1	APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 36-INCH	APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 42-INCH	MARKERS CULVERT END		CONSTRUCTION STAKING PIPE CULVERTS	
				INLET			OUTLET			6180-30-72	6180-30-73	6180-30-73	6180-30-73	6180-30-72	6180-30-72	6180-30-73	6180-30-72	6180-30-73
CATEGORY	STATION	LOCATION	OFFSET	STATION	OFFSET	ELEVATION	STATION	OFFSET	ELEVATION	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH
0010	198+30	STH 21 'EB'	47' RT	198+08	47' RT	788.40	198+52	47' RT	788.15	-	-	-	-	-	-	-	-	-
0010	206+85	STH 21 'EB'	-	206+84	37' RT	790.12	206+87	51' LT	789.88	-	-	-	-	2	2	-	1	-
0010	256+33	STH 21 'EB'	-	256+27	56' RT	840.90	256+37	68' LT	840.09	-	-	-	2	-	-	2	-	1
0010	261+34	STH 21 'EB'	35' RT	261+06	35' RT	844.72	261+62	35' RT	844.40	-	2	-	-	-	-	-	-	-
0010	507+80	CTH FF 'NB'	31' RT	507+96	31' RT	792.68	507+64	31' RT	792.50	-	-	-	-	-	-	-	-	-
0010	516+77	REIGHMOOR 'NB'	38' RT	516+49	40' RT	783.00	217+05	36' RT	782.72	2	-	-	-	-	-	-	-	-
0010	517+50	REIGHMOOR 'NB'	41' LT	517+31	43' LT	783.90	517+69	40' LT	782.65	-	-	-	-	-	-	-	-	-
0010	603+14	SAND PIT 'NB'	36' RT	602+71	29' RT	845.55	603+55	45' RT	842.02	-	-	-	-	-	-	-	-	-
0010	608+50	SAND PIT 'NB'	37' RT	608+33	38' RT	837.66	608+68	35' RT	837.22	-	-	2	-	-	-	-	-	-
0010	807+55	SAND PIT 'SB'	30' LT	807+38	31' LT	841.72	807+76	30' LT	841.07	-	-	-	-	-	-	-	-	-
0010	808+53	SAND PIT 'SB'	28' LT	808+36	29' LT	840.10	808+69	28' LT	839.36	-	2	-	-	-	-	-	-	-
		SUBTOTAL								2	4	2	2	2	2	2	1	1
		TOTAL 0010								**2**	**4**	**2**	**2**	**2**	**2**	**2**	**1**	**1**

* QUANTITY SHOWN ELSEWHE

3

CONCRETE CURB & GUTTER

CATEGORY	STATION	TO	STATION	LOCATION	OFFSET	* 416.0610 DRILLED TIE BARS 6180-30-71 EACH	465.0315 ASPHALTIC FLUMES 6180-30-72 SY	465.0315 ASPHALTIC FLUMES 6180-30-73 SY	601.0409 CONCRETE CURB & GUTTER 30-INCH TYPE A 6180-30-71 LF	601.0411 CONCRETE CURB & GUTTER 30-INCH TYPE D 6180-30-71 LF	601.0411 CONCRETE CURB & GUTTER 30-INCH TYPE D 6180-30-73 LF	601.0553 CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE D 6180-30-72 LF	601.0555 CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE A 6180-30-71 LF	601.0600 CONCRETE CURB PEDESTRIAN 6180-30-71 LF	601.0600 CONCRETE CURB PEDESTRIAN 6180-30-72 LF	601.0600 CONCRETE CURB PEDESTRIAN 6180-30-73 LF	620.0300 CONCRETE MEDIAN SLOPED NOSE 6180-30-72 SF	620.0300 CONCRETE MEDIAN SLOPED NOSE 6180-30-73 SF	REMARKS
0020	0+96	-	1+25	ADAMS AVE	RT	11	-	-	24	9	-	-	-	-	-	-	-	-	SW QUADRANT
0020	1+72	-	1+94	ADAMS AVE	RT	11	-	-	23	-	-	-	-	21	-	-	-	-	SE QUADRANT
0020	1+68	-	1+97	ADAMS AVE	LT	16	-	-	38	-	-	-	-	24	-	-	-	-	NE QUADRANT
0020	4+20	-	4+55	JEFFERSON AVE	RT	12	-	-	27	14	-	-	-	-	-	-	-	-	SW QUADRANT
0020	4+96	-	5+32	JEFFERSON AVE	RT	12	-	-	27	14	-	-	-	43	-	-	-	-	SE QUADRANT
0020	4+38	-	4+58	JEFFERSON AVE	LT	10	-	-	21	-	-	-	-	21	-	-	-	-	NW QUADRANT
0020	4+95	-	5+14	JEFFERSON AVE	LT	10	-	-	19	-	-	-	-	19	-	-	-	-	NE QUADRANT
0020	7+55	-	8+02	WEBSTER AVE	RT	15	-	-	-	8	-	-	54	-	-	-	-	-	SW QUADRANT
0020	8+16	-	8+54	WEBSTER AVE	RT	18	-	-	-	7	-	-	47	-	-	-	-	-	SE QUADRANT
0020	7+54	-	7+87	WEBSTER AVE	LT	18	-	-	-	-	-	-	48	-	-	-	-	-	NW QUADRANT
0020	13+09	-	13+32	MADISON AVE	RT	11	-	-	23	6	-	-	-	19	-	-	-	-	SW QUADRANT
0020	13+74	-	14+14	MADISON AVE	RT	8	-	-	13	7	-	-	-	-	-	-	-	-	SE QUADRANT
0020	13+09	-	13+29	MADISON AVE	LT	10	-	-	20	-	-	-	-	20	-	-	-	-	NW QUADRANT
0020	13+71	-	13+93	MADISON AVE	LT	11	-	-	22	-	-	-	-	22	-	-	-	-	NE QUADRANT
0020	17+17	-	17+56	MONROE AVE	RT	9	-	-	18	-	-	-	-	36	-	-	-	-	SW QUADRANT
0020	17+98	-	18+32	MONROE AVE	RT	8	-	-	13	13	-	-	-	-	-	-	-	-	SE QUADRANT
0020	20+96	-	21+23	QUINCY AVE	RT	8	-	-	14	4	-	-	-	29	-	-	-	-	SW QUADRANT
0020	21+47	-	21+79	QUINCY AVE	RT	13	-	-	28	7	-	-	-	-	-	-	-	-	SE QUADRANT
0020	21+49	-	22+23	QUINCY AVE / VETERANS MEMORIAL	LT	19	-	-	46	-	-	-	-	-	-	-	-	-	NE QUADRANT
0020	24+73	-	24+95	SCOTT PARK DR	RT	10	-	-	22	-	-	-	-	-	-	-	-	-	SW QUADRANT
0020	24+63	-	24+96	SCOTT PARK DR	LT	10	-	-	36	-	-	-	-	-	-	-	-	-	NW QUADRANT
0020	25+21	-	25+48	SCOTT PARK DR	LT	8	-	-	15	-	-	-	-	17	-	-	-	-	NE QUADRANT
0020	25+16	-	25+52	JACKSON AVE	RT	7	-	-	21	4	-	-	-	-	-	-	-	-	SW QUADRANT
0020	25+88	-	26+25	JACKSON AVE	RT	12	-	-	23	9	-	-	-	-	-	-	-	-	SE QUADRANT
0020	25+88	-	26+29	JACKSON AVE	LT	10	-	-	20	-	-	-	-	-	-	-	-	-	NE QUADRANT
0020	30+08	-	30+30	VAN BUREN AVE	RT	8	-	-	17	-	-	-	-	18	-	-	-	-	SW QUADRANT
0020	30+67	-	31+10	VAN BUREN AVE	RT	10	-	-	32	-	-	-	-	49	-	-	-	-	SE QUADRANT
0020	30+71	-	31+08	VAN BUREN AVE	LT	11	-	-	24	-	-	-	-	36	-	-	-	-	NE QUADRANT
0020	34+36	-	34+60	HARRISON AVE	RT	10	-	-	18	-	-	-	-	-	-	-	-	-	SW QUADRANT
0020	34+95	-	35+24	HARRISON AVE	RT	9	-	-	22	5	-	-	-	-	-	-	-	-	SE QUADRANT
				SUBTOTAL		335	0	0	626	107	0	0	149	374	0	0	0	0	

* QUANTITY SHOWN ELSEWHERE

FILE NAME : N:\PDS\C3D\61803000\SHEETSPLAN\030201-MQ.DWG
LAYOUT NAME - 030213-mq
PLOT DATE : 9/23/2025 11:00 AM PLOT BY : DANKE, ERIC A PLOT NAME : PLOT SCALE : 1" = 1'
WISDOT/CADDS SHEET 42

CONCRETE CURB & GUTTER (CONTINUED)

CATEGORY	STATION	TO	STATION	LOCATION	OFFSET	* 416.0610 DRILLED TIE BARS 6180-30-71 EACH	465.0315 ASPHALTIC FLUMES 6180-30-72 SY	465.0315 ASPHALTIC FLUMES 6180-30-73 SY	601.0409 CONCRETE CURB & GUTTER 30-INCH TYPE A 6180-30-71 LF	601.0411 CONCRETE CURB & GUTTER 30-INCH TYPE D 6180-30-71 LF	601.0411 CONCRETE CURB & GUTTER 30-INCH TYPE D 6180-30-73 LF	601.0553 CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE D 6180-30-72 LF	601.0555 CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE A 6180-30-71 LF	601.0600 CONCRETE CURB PEDESTRIAN 6180-30-71 LF	601.0600 CONCRETE CURB PEDESTRIAN 6180-30-72 LF	601.0600 CONCRETE CURB PEDESTRIAN 6180-30-73 LF	620.0300 CONCRETE MEDIAN SLOPED NOSE 6180-30-72 SF	620.0300 CONCRETE MEDIAN SLOPED NOSE 6180-30-73 SF	REMARKS
0020	34+31	-	34+76	MAPLEWOOD RD (WEST)	LT	14	-	-	32	-	-	-	-	61	-	-	-	-	NW QUADRANT
0020	35+36	-	35+70	MAPLEWOOD RD (WEST)	LT	9	-	-	30	-	-	-	-	20	-	-	-	-	NE QUADRANT
0020	38+05	-	38+32	MAPLEWOOD RD (EAST)	LT	9	-	-	22	-	-	-	-	24	-	-	-	-	NW QUADRANT
0020	38+84	-	39+21	MAPLEWOOD RD (EAST)	LT	10	-	-	33	-	-	-	-	22	-	-	-	-	NE QUADRANT
0020	42+37	-	42+70	OMREAU AVE	LT	9	-	-	16	12	-	-	-	-	-	-	-	-	NW QUADRANT
0020	43+03	-	43+37	OMREAU AVE	LT	8	-	-	19	12	-	-	-	-	-	-	-	-	NE QUADRANT
0020	43+88	-	44+24	MCKINLEY AVE	RT	10	-	-	19	7	-	-	-	-	-	-	-	-	SW QUADRANT
0020	44+61	-	44+87	MCKINLEY AVE	RT	11	-	-	20	4	-	-	-	-	-	-	-	-	SE QUADRANT
0020	46+88	-	47+24	BECKWITH AVE	LT	9	-	-	34	-	-	-	-	41	-	-	-	-	NW QUADRANT
0020	47+59	-	47+90	BECKWITH AVE	LT	11	-	-	25	11	-	-	-	25	-	-	-	-	NE QUADRANT
0020	47+50	-	47+88	BECKWITH AVE	RT	10	-	-	19	-	-	-	-	19	-	-	-	-	SE QUADRANT
0020	50+22	-	50+62	LINCOLN AVE	LT	11	-	-	35	18	-	-	-	33	-	-	-	-	NW QUADRANT
0020	50+95	-	51+22	LINCOLN AVE	LT	9	-	-	26	-	-	-	-	-	-	-	-	-	NE QUADRANT
0020	50+89	-	51+25	LINCOLN AVE	RT	11	-	-	23	-	-	-	-	23	-	-	-	-	SE QUADRANT
0020	62+46	-	62+79	INDUSTRIAL AVE	RT	9	-	-	22	8	-	-	-	-	-	-	-	-	SW QUADRANT
0020	63+21	-	63+51	INDUSTRIAL AVE	RT	10	-	-	20	6	-	-	-	-	-	-	-	-	SE QUADRANT
0010	196+92	-	200+85	STH 21 'EB'	-	-	-	-	-	-	-	-	-	-	27	-	104	-	WEST SPLITTER ISLAND
0010	202+29	-	206+06	STH 21 'EB'	-	-	-	-	-	-	-	-	-	-	32	-	104	-	EAST SPLITTER ISLAND
0010	249+67	-	254+32	STH 21 'EB'	-	-	-	-	-	-	-	-	-	-	-	23	-	104	WEST SPLITTER ISLAND
0010	255+73	-	259+83	STH 21 'EB'	-	-	-	-	-	-	-	-	-	-	-	24	-	103	EAST SPLITTER ISLAND
0010	508+91	-	512-13	CTH FF 'NB'	-	-	-	-	-	-	-	-	-	-	36	-	104	-	SOUTH SPLITTER ISLAND
0010	513+60	-	515+40	REIGHMOOR 'NB'	-	-	-	-	-	-	-	-	-	-	37	-	116	-	NORTH SPLITTER ISLAND
0010	-	-	-	CTH FF/REIGHMOOR ROUNDABOUT CENTRAL ISLAND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
0010	-	-	-	CTH FF/REIGHMOOR ROUNDABOUT OUTSIDE CURB & GUTTER	-	-	18	-	-	-	-	172	-	-	-	-	-	-	NW QUADRANT
0010	-	-	-	CTH FF/REIGHMOOR ROUNDABOUT OUTSIDE CURB & GUTTER	-	-	12	-	-	-	-	-	-	-	-	-	-	-	NE QUADRANT
0010	-	-	-	CTH FF/REIGHMOOR ROUNDABOUT OUTSIDE CURB & GUTTER	-	-	12	-	-	-	-	-	-	-	-	-	-	-	SW QUADRANT
0010	-	-	-	CTH FF/REIGHMOOR ROUNDABOUT OUTSIDE CURB & GUTTER	-	-	11	-	-	-	-	-	-	-	-	-	-	-	SE QUADRANT
0010	-	-	-	SAND PIT 'NB'	-	-	-	-	-	-	-	-	-	-	-	23	-	103	SOUTH SPLITTER ISLAND
0010	-	-	-	SAND PIT 'NB'	-	-	-	-	-	-	-	-	-	-	-	20	-	104	NORTH SPLITTER ISLAND
0010	-	-	-	SAND PIT ROUNDABOUT CENTRAL ISLAND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
0010	-	-	-	SAND PIT ROUNDABOUT OUTSIDE CURB & GUTTER	-	-	-	9	-	-	-	-	-	-	-	-	-	-	NW QUADRANT
0010	-	-	-	SAND PIT ROUNDABOUT OUTSIDE CURB & GUTTER	-	-	-	19	-	-	-	-	-	-	-	-	-	-	NE QUADRANT
0010	-	-	-	SAND PIT ROUNDABOUT OUTSIDE CURB & GUTTER	-	-	-	9	-	-	-	-	-	-	-	-	-	-	SW QUADRANT
0010	-	-	-	SAND PIT ROUNDABOUT OUTSIDE CURB & GUTTER	-	-	-	-	-	-	91	-	-	-	-	-	-	-	SE QUADRANT
				SUBTOTAL		160	53	37	395	78	91	172	0	268	132	90	428	414	
				TOTAL 0010		**0**	**53**	**37**	**0**	**0**	**91**	**172**	**0**	**0**	**132**	**90**	**428**	**414**	
				TOTAL 0020		**495**	**0**	**0**	**1,021**	**185**	**0**	**0**	**149**	**642**	**0**	**0**	**0**	**0**	

* QUANTITY SHOWN ELSEWHERE

3

CONCRETE CURB & GUTTER (CONTINUED)

					646.8120			646.8220		650.5500			SPV.0090.03		SPV.0090.04		SPV.0090.05		SPV.0090.06		
					MARKING CURB EPOXY (YELLOW)			MARKING ISLAND NOSE EPOXY (YELLOW)		CONSTRUCTION STAKING CURB GUTTER AND CURB & GUTTER			CONCRETE CURB & GUTTER 18-INCH TYPE A MODIFIED		CONCRETE CURB & GUTTER 30-INCH TYPE D MODIFIED		CONCRETE CURB & GUTTER 4-INCH SLOPED 30-INCH TYPE R MODIFIED		CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE D MODIFIED		
					6180-30-71	6180-30-72	6180-30-73	6180-30-72	6180-30-73	6180-30-71	6180-30-72	6180-30-73	6180-30-72	6180-30-73	6180-30-72	6180-30-73	6180-30-72	6180-30-73	6180-30-72	6180-30-73	
CATEGORY	STATION	TO	STATION	LOCATION	OFFSET	LF	LF	LF	EACH	EACH	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	REMARKS
0020	0+96	-	1+25	ADAMS AVE	RT	28	-	-	-	-	33	-	-	-	-	-	-	-	-	-	-	SW QUADRANT
0020	1+72	-	1+94	ADAMS AVE	RT	18	-	-	-	-	23	-	-	-	-	-	-	-	-	-	-	SE QUADRANT
0020	1+68	-	1+97	ADAMS AVE	LT	33	-	-	-	-	38	-	-	-	-	-	-	-	-	-	-	NE QUADRANT
0020	4+20	-	4+55	JEFFERSON AVE	RT	36	-	-	-	-	41	-	-	-	-	-	-	-	-	-	-	SW QUADRANT
0020	4+96	-	5+32	JEFFERSON AVE	RT	36	-	-	-	-	41	-	-	-	-	-	-	-	-	-	-	SE QUADRANT
0020	4+38	-	4+58	JEFFERSON AVE	LT	16	-	-	-	-	21	-	-	-	-	-	-	-	-	-	-	NW QUADRANT
0020	4+95	-	5+14	JEFFERSON AVE	LT	14	-	-	-	-	19	-	-	-	-	-	-	-	-	-	-	NE QUADRANT
0020	7+55	-	8+02	WEBSTER AVE	RT	31	-	-	-	-	62	-	-	-	-	-	-	-	-	-	-	SW QUADRANT
0020	8+16	-	8+54	WEBSTER AVE	RT	39	-	-	-	-	54	-	-	-	-	-	-	-	-	-	-	SE QUADRANT
0020	7+54	-	7+87	WEBSTER AVE	LT	40	-	-	-	-	48	-	-	-	-	-	-	-	-	-	-	NW QUADRANT
0020	13+09	-	13+32	MADISON AVE	RT	23	-	-	-	-	29	-	-	-	-	-	-	-	-	-	-	SW QUADRANT
0020	13+74	-	14+14	MADISON AVE	RT	14	-	-	-	-	20	-	-	-	-	-	-	-	-	-	-	SE QUADRANT
0020	13+09	-	13+29	MADISON AVE	LT	15	-	-	-	-	20	-	-	-	-	-	-	-	-	-	-	NW QUADRANT
0020	13+71	-	13+93	MADISON AVE	LT	17	-	-	-	-	22	-	-	-	-	-	-	-	-	-	-	NE QUADRANT
0020	17+17	-	17+56	MONROE AVE	RT	13	-	-	-	-	18	-	-	-	-	-	-	-	-	-	-	SW QUADRANT
0020	17+98	-	18+32	MONROE AVE	RT	20	-	-	-	-	26	-	-	-	-	-	-	-	-	-	-	SE QUADRANT
0020	20+96	-	21+23	QUINCY AVE	RT	13	-	-	-	-	18	-	-	-	-	-	-	-	-	-	-	SW QUADRANT
0020	21+47	-	21+79	QUINCY AVE	RT	30	-	-	-	-	35	-	-	-	-	-	-	-	-	-	-	SE QUADRANT
0020	21+49	-	22+23	QUINCY AVE / VETERANS MEMORIAL	LT	36	-	-	-	-	46	-	-	-	-	-	-	-	-	-	-	NE QUADRANT
0020	24+73	-	24+95	SCOTT PARK DR	RT	15	-	-	-	-	22	-	-	-	-	-	-	-	-	-	-	SW QUADRANT
0020	24+63	-	24+96	SCOTT PARK DR	LT	14	-	-	-	-	36	-	-	-	-	-	-	-	-	-	-	NW QUADRANT
0020	25+21	-	25+48	SCOTT PARK DR	LT	10	-	-	-	-	15	-	-	-	-	-	-	-	-	-	-	NE QUADRANT
0020	25+16	-	25+52	JACKSON AVE	RT	9	-	-	-	-	25	-	-	-	-	-	-	-	-	-	-	SW QUADRANT
0020	25+88	-	26+25	JACKSON AVE	RT	28	-	-	-	-	32	-	-	-	-	-	-	-	-	-	-	SE QUADRANT
0020	25+88	-	26+29	JACKSON AVE	LT	16	-	-	-	-	20	-	-	-	-	-	-	-	-	-	-	NE QUADRANT
0020	30+08	-	30+30	VAN BUREN AVE	RT	9	-	-	-	-	17	-	-	-	-	-	-	-	-	-	-	SW QUADRANT
0020	30+67	-	31+10	VAN BUREN AVE	RT	14	-	-	-	-	32	-	-	-	-	-	-	-	-	-	-	SE QUADRANT
0020	30+71	-	31+08	VAN BUREN AVE	LT	20	-	-	-	-	24	-	-	-	-	-	-	-	-	-	-	NE QUADRANT
0020	34+36	-	34+60	HARRISON AVE	RT	14	-	-	-	-	18	-	-	-	-	-	-	-	-	-	-	SW QUADRANT
0020	34+95	-	35+24	HARRISON AVE	RT	18	-	-	-	-	27	-	-	-	-	-	-	-	-	-	-	SE QUADRANT
				SUBTOTAL		639	0	0	0	0	882	0	0	0	0	0	0	0	0	0	0	

CONCRETE CURB & GUTTER (CONTINUED)

CATEGORY	STATION	TO	STATION	LOCATION	OFFSET	646.8120 MARKING CURB EPOXY (YELLOW) 6180-30-71 LF	6180-30-72 LF	6180-30-73 LF	646.8220 MARKING ISLAND NOSE EPOXY (YELLOW) 6180-30-72 EACH	6180-30-73 EACH	650.5500 CONSTRUCTION STAKING CURB GUTTER AND CURB & GUTTER 6180-30-71 LF	6180-30-72 LF	6180-30-73 LF	SPV.0090.03 CONCRETE CURB & GUTTER 18-INCH TYPE A MODIFIED 6180-30-72 LF	6180-30-73 LF	SPV.0090.04 CONCRETE CURB & GUTTER 30-INCH TYPE D MODIFIED 6180-30-72 LF	6180-30-73 LF	SPV.0090.05 CONCRETE CURB & GUTTER 4-INCH SLOPED 30-INCH TYPE R MODIFIED 6180-30-72 LF	6180-30-73 LF	SPV.0090.06 CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE D MODIFIED 6180-30-72 LF	6180-30-73 LF	REMARKS
0020	34+31	-	34+76	MAPLEWOOD RD (WEST)	LT	28	-	-	-	-	32	-	-	-	-	-	-	-	-	-	-	NW QUADRANT
0020	35+36	-	35+70	MAPLEWOOD RD (WEST)	LT	11	-	-	-	-	30	-	-	-	-	-	-	-	-	-	-	NE QUADRANT
0020	38+05	-	38+32	MAPLEWOOD RD (EAST)	LT	12	-	-	-	-	22	-	-	-	-	-	-	-	-	-	-	NW QUADRANT
0020	38+84	-	39+21	MAPLEWOOD RD (EAST)	LT	14	-	-	-	-	33	-	-	-	-	-	-	-	-	-	-	NE QUADRANT
0020	42+37	-	42+70	OMREAU AVE	LT	22	-	-	-	-	28	-	-	-	-	-	-	-	-	-	-	NW QUADRANT
0020	43+03	-	43+37	OMREAU AVE	LT	19	-	-	-	-	31	-	-	-	-	-	-	-	-	-	-	NE QUADRANT
0020	43+88	-	44+24	MCKINLEY AVE	RT	21	-	-	-	-	26	-	-	-	-	-	-	-	-	-	-	SW QUADRANT
0020	44+61	-	44+87	MCKINLEY AVE	RT	21	-	-	-	-	24	-	-	-	-	-	-	-	-	-	-	SE QUADRANT
0020	46+88	-	47+24	BECKWITH AVE	LT	14	-	-	-	-	34	-	-	-	-	-	-	-	-	-	-	NW QUADRANT
0020	47+59	-	47+90	BECKWITH AVE	LT	34	-	-	-	-	36	-	-	-	-	-	-	-	-	-	-	NE QUADRANT
0020	47+50	-	47+88	BECKWITH AVE	RT	14	-	-	-	-	19	-	-	-	-	-	-	-	-	-	-	SE QUADRANT
0020	50+22	-	50+62	LINCOLN AVE	LT	31	-	-	-	-	53	-	-	-	-	-	-	-	-	-	-	NW QUADRANT
0020	50+95	-	51+22	LINCOLN AVE	LT	13	-	-	-	-	26	-	-	-	-	-	-	-	-	-	-	NE QUADRANT
0020	50+89	-	51+25	LINCOLN AVE	RT	18	-	-	-	-	23	-	-	-	-	-	-	-	-	-	-	SE QUADRANT
0020	62+46	-	62+79	INDUSTRIAL AVE	RT	22	-	-	-	-	30	-	-	-	-	-	-	-	-	-	-	SW QUADRANT
0020	63+21	-	63+51	INDUSTRIAL AVE	RT	20	-	-	-	-	26	-	-	-	-	-	-	-	-	-	-	SE QUADRANT
0010	196+92	-	200+85	STH 21 'EB'	-	-	88	-	1	-	-	784	-	-	-	784	-	-	-	-	-	WEST SPLITTER ISLAND
0010	202+29	-	206+06	STH 21 'EB'	-	-	86	-	1	-	-	760	-	-	-	760	-	-	-	-	-	EAST SPLITTER ISLAND
0010	249+67	-	254+32	STH 21 'EB'	-	-	-	127	-	1	-	-	924	-	-	-	252	-	-	-	672	WEST SPLITTER ISLAND
0010	255+73	-	259+83	STH 21 'EB'	-	-	-	128	-	1	-	-	825	-	-	-	282	-	-	-	543	EAST SPLITTER ISLAND
0010	508+91	-	512-13	CTH FF 'NB'	-	-	51	-	1	-	-	661	-	-	-	661	-	-	-	-	-	SOUTH SPLITTER ISLAND
0010	513+60	-	515+40	REIGHMOOR 'NB'	-	-	49	-	1	-	-	360	-	-	-	360	-	-	-	-	-	NORTH SPLITTER ISLAND
0010	-	-	-	CTH FF/REIGHMOOR ROUNDABOUT CENTRAL ISLAND	-	-	-	-	-	-	-	534	-	222	-	-	-	312	-	-	-	
0010	-	-	-	CTH FF/REIGHMOOR ROUNDABOUT OUTSIDE CURB & GUTTER	-	-	-	-	-	-	-	626	-	-	-	233	-	-	-	221	-	NW QUADRANT
0010	-	-	-	CTH FF/REIGHMOOR ROUNDABOUT OUTSIDE CURB & GUTTER	-	-	-	-	-	-	-	308	-	-	-	160	-	-	-	148	-	NE QUADRANT
0010	-	-	-	CTH FF/REIGHMOOR ROUNDABOUT OUTSIDE CURB & GUTTER	-	-	-	-	-	-	-	301	-	-	-	163	-	-	-	138	-	SW QUADRANT
0010	-	-	-	CTH FF/REIGHMOOR ROUNDABOUT OUTSIDE CURB & GUTTER	-	-	-	-	-	-	-	551	-	-	-	309	-	-	-	242	-	SE QUADRANT
0010	-	-	-	SAND PIT 'NB'	-	-	-	10	-	1	-	-	224	-	-	-	224	-	-	-	-	SOUTH SPLITTER ISLAND
0010	-	-	-	SAND PIT 'NB'	-	-	-	10	-	1	-	-	716	-	-	-	716	-	-	-		NORTH SPLITTER ISLAND
0010	-	-	-	SAND PIT ROUNDABOUT CENTRAL ISLAND	-	-	-	-	-	-	-	-	508	-	206	-	-	-	302	-	-	
0010	-	-	-	SAND PIT ROUNDABOUT OUTSIDE CURB & GUTTER	-	-	-	-	-	-	-	-	250	-	-	-	250	-	-	-	-	NW QUADRANT
0010	-	-	-	SAND PIT ROUNDABOUT OUTSIDE CURB & GUTTER	-	-	-	-	-	-	-	-	253	-	-	-	117	-	-	-	136	NE QUADRANT
0010	-	-	-	SAND PIT ROUNDABOUT OUTSIDE CURB & GUTTER	-	-	-	-	-	-	-	-	260	-	-	-	116	-	-	-	144	SW QUADRANT
0010	-	-	-	SAND PIT ROUNDABOUT OUTSIDE CURB & GUTTER	-	-	-	-	-	-	-	-	384	-	-	-	293	-	-	-	-	SE QUADRANT
				SUBTOTAL		314	274	275	4	4	473	4,885	4,344	222	206	3,430	2,250	312	302	749	1,495	
				TOTAL 0010		**0**	**274**	**275**	**4**	**4**	**0**	**4,885**	**4,344**	**222**	**206**	**3,430**	**2,250**	**312**	**302**	**749**	**1,495**	
				TOTAL 0020		**953**	**0**	**0**	**0**	**0**	**1,355**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	

3

CONCRETE SIDEWALK AND DRIVEWAYS

						*																		
						405.0100**		465.0120		602.0405		602.0410	602.0415		602.0505	602.0515		602.0605	602.0820	650.9000			
						COLORING CONCRETE WISDOT RED		ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES		CONCRETE SIDEWALK 4-INCH		CONCRETE SIDEWALK 5-INCH	CONCRETE SIDEWALK 6-INCH		CURB RAMP DETECTABLE WARNING FIELD YELLOW	CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA		CURB RAMP DETECTABLE WARNING FIELD RADIAL YELLOW	CONCRETE DRIVEWAY 8-INCH	CONSTRUCTION STAKING CURB RAMPS			
						6180-30-72	6180-30-73	6180-30-72	6180-30-73	6180-30-72	6180-30-73	6180-30-71	6180-30-72	6180-30-73	6180-30-71	6180-30-72	6180-30-73	6180-30-71	6180-30-71	6180-30-71	6180-30-72	6180-30-73	
CATEGORY	STATION	TO	STATION	LOCATION	OFFSET	CY	CY	TON	TON	SF	SF	SF	SF	SF	SF	SF	SF	SF	SY				REMARKS
0020	0+96	-	1+25	ADAMS AVE	RT	-	-	-	-	-	-	235	-	-	10	-	-	-	-	1	-	-	SW QUAD
0020	1+72	-	1+94	ADAMS AVE	RT	-	-	-	-	-	-	100	-	-	10	-	-	-	-	1	-	-	SE QUAD
0020	1+68	-	1+97	ADAMS AVE	LT	-	-	-	-	-	-	180	-	-	10	-	-	-	-	1	-	-	NE QUAD
0020	4+20	-	4+55	JEFFERSON AVE	RT	-	-	-	-	-	-	265	-	-	10	-	-	-	-	1	-	-	SW QUAD
0020	4+96	-	5+32	JEFFERSON AVE	RT	-	-	-	-	-	-	355	-	-	10	-	-	-	-	1	-	-	SE QUAD
0020	4+38	-	4+58	JEFFERSON AVE	LT	-	-	-	-	-	-	205	-	-	10	-	-	-	-	1	-	-	NW QUAD
0020	4+95	-	5+14	JEFFERSON AVE	LT	-	-	-	-	-	-	185	-	-	10	-	-	-	-	1	-	-	NE QUAD
0020	7+55	-	8+02	WEBSTER AVE	RT	-	-	-	-	-	-	340	-	-	20	-	-	-	-	2	-	-	SW QUAD
0020	8+16	-	8+54	WEBSTER AVE	RT	-	-	-	-	-	-	310	-	-	20	-	-	-	-	2	-	-	SE QUAD
0020	7+54	-	7+87	WEBSTER AVE	LT	-	-	-	-	-	-	235	-	-	20	-	-	-	-	2	-	-	NW QUAD
0020	13+09	-	13+32	MADISON AVE	RT	-	-	-	-	-	-	255	-	-	10	-	-	-	-	1	-	-	SW QUAD
0020	13+74	-	14+14	MADISON AVE	RT	-	-	-	-	-	-	255	-	-	10	-	-	-	-	1	-	-	SE QUAD
0020	13+09	-	13+29	MADISON AVE	LT	-	-	-	-	-	-	220	-	-	10	-	-	-	-	1	-	-	NW QUAD
0020	13+71	-	13+93	MADISON AVE	LT	-	-	-	-	-	-	115	-	-	10	-	-	-	-	1	-	-	NE QUAD
0020	17+17	-	17+56	MONROE AVE	RT	-	-	-	-	-	-	150	-	-	-	-	-	16	-	1	-	-	SW QUAD
0020	17+98	-	18+32	MONROE AVE	RT	-	-	-	-	-	-	120	-	-	-	-	-	16	-	1	-	-	SE QUAD
0020	20+96	-	21+23	QUINCY AVE	RT	-	-	-	-	-	-	220	-	-	10	-	-	-	-	1	-	-	SW QUAD
0020	21+47	-	21+79	QUINCY AVE	RT	-	-	-	-	-	-	180	-	-	10	-	-	17	-	2	-	-	SE QUAD
0020	21+49	-	22+23	QUINCY AVE/VETERANS MEM	LT	-	-	-	-	-	-	575	-	-	29	-	-	-	-	2	-	-	NE QUAD
0020	24+73	-	24+95	SCOTT PARK DR	RT	-	-	-	-	-	-	170	-	-	10	-	-	-	-	1	-	-	SW QUAD
0020	24+63	-	24+96	SCOTT PARK DR	LT	-	-	-	-	-	-	140	-	-	20	-	-	-	-	2	-	-	NW QUAD
0020	25+21	-	25+48	SCOTT PARK DR	LT	-	-	-	-	-	-	105	-	-	-	-	-	16	-	1	-	-	NE QUAD
0020	25+16	-	25+52	JACKSON AVE	RT	-	-	-	-	-	-	85	-	-	10	-	-	-	-	1	-	-	SW QUAD
0020	25+88	-	26+25	JACKSON AVE	RT	-	-	-	-	-	-	230	-	-	10	-	-	17	-	2	-	-	SE QUAD
0020	25+88	-	26+29	JACKSON AVE	LT	-	-	-	-	-	-	215	-	-	10	-	-	-	-	1	-	-	NE QUAD
0020	30+08	-	30+30	VAN BUREN AVE	RT	-	-	-	-	-	-	75	-	-	-	-	-	16	-	1	-	-	SW QUAD
0020	30+67	-	31+10	VAN BUREN AVE	RT	-	-	-	-	-	-	355	-	-	10	-	-	-	-	1	-	-	SE QUAD
0020	30+71	-	31+08	VAN BUREN AVE	LT	-	-	-	-	-	-	190	-	-	10	-	-	-	-	1	-	-	NE QUAD
0020	34+36	-	34+60	HARRISON AVE	RT	-	-	-	-	-	-	120	-	-	10	-	-	-	-	1	-	-	SW QUAD
0020	34+95	-	35+24	HARRISON AVE	RT	-	-	-	-	-	-	110	-	-	-	-	-	16	-	1	-	-	SE QUAD
0020	34+31	-	34+76	MAPLEWOOD RD (WEST)	LT	-	-	-	-	-	-	165	-	-	-	-	-	28	-	1	-	-	NW QUAD
0020	35+36	-	35+70	MAPLEWOOD RD (WEST)	LT	-	-	-	-	-	-	100	-	-	-	-	-	17	-	1	-	-	NE QUAD
0020	38+05	-	38+32	MAPLEWOOD RD (EAST)	LT	-	-	-	-	-	-	125	-	-	-	-	-	17	-	1	-	-	NW QUAD
0020	38+84	-	39+21	MAPLEWOOD RD (EAST)	LT	-	-	-	-	-	-	140	-	-	-	-	-	16	-	1	-	-	NE QUAD
0020	42+37	-	42+70	OMREAU AVE	LT	-	-	-	-	-	-	125	-	-	-	-	-	16	-	1	-	-	NW QUAD
0020	43+03	-	43+37	OMREAU AVE	LT	-	-	-	-	-	-	125	-	-	-	-	-	16	-	1	-	-	NE QUAD
0020	43+88	-	44+24	MCKINLEY AVE	RT	-	-	-	-	-	-	165	-	-	-	-	-	16	-	1	-	-	SW QUAD
0020	44+61	-	44+87	MCKINLEY AVE	RT	-	-	-	-	-	-	90	-	-	-	-	-	16	-	1	-	-	SE QUAD
0020	46+88	-	47+24	BECKWITH AVE	LT	-	-	-	-	-	-	185	-	-	-	-	-	16	-	1	-	-	NW QUAD
0020	47+59	-	47+90	BECKWITH AVE	LT	-	-	-	-	-	-	235	-	-	10	-	-	-	-	1	-	-	NE QUAD
				SUBTOTAL		0	0	0	0	0	0	7,750	0	0	319	0	0	272	0	47	0	0	

* QUANTITY SHOWN ELSEWHERE

** USED IN CONCRETE SIDEWALK 4-INCH

CONCRETE SIDEWALK AND DRIVEWAYS (CONTINUED)

CATEGORY	STATION	TO	STATION	LOCATION	OFFSET	405.0100** COLORING CONCRETE WISDOT RED 6180-30-72 CY	405.0100** COLORING CONCRETE WISDOT RED 6180-30-73 CY	465.0120 ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES 6180-30-72 TON	465.0120 ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES 6180-30-73 TON	602.0405 CONCRETE SIDEWALK 4-INCH 6180-30-72 SF	602.0405 CONCRETE SIDEWALK 4-INCH 6180-30-73 SF	602.0410 CONCRETE SIDEWALK 5-INCH 6180-30-71 SF	602.0415 CONCRETE SIDEWALK 6-INCH 6180-30-72 SF	602.0415 CONCRETE SIDEWALK 6-INCH 6180-30-73 SF	602.0505 CURB RAMP DETECTABLE WARNING FIELD YELLOW 6180-30-71 SF	602.0515 CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA 6180-30-72 SF	602.0515 CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA 6180-30-73 SF	602.0605 CURB RAMP DETECTABLE WARNING FIELD RADIAL YELLOW 6180-30-71 SF	602.0820 CONCRETE DRIVEWAY 8-INCH 6180-30-71 SY	650.9000 CONSTRUCTION STAKING CURB RAMPS 6180-30-71	650.9000 CONSTRUCTION STAKING CURB RAMPS 6180-30-72	650.9000 CONSTRUCTION STAKING CURB RAMPS 6180-30-73	REMARKS
0020	47+50	-	47+88	BECKWITH AVE	RT	-	-	-	-	-	-	205	-	-	10	-	-	-	-	1	-	-	SE QUAD
0020	50+22	-	50+62	LINCOLN AVE	LT	-	-	-	-	-	-	335	-	-	10	-	-	-	-	1	-	-	NW QUAD
0020	50+95	-	51+22	LINCOLN AVE	LT	-	-	-	-	-	-	110	-	-	10	-	-	-	-	1	-	-	NE QUAD
0020	50+89	-	51+25	LINCOLN AVE	RT	-	-	-	-	-	-	190	-	-	10	-	-	-	-	1	-	-	SE QUAD
0010	56+85	-	56+96	STH 21	RT	-	-	-	-	-	-	-	-	-	-	-	-	-	9	-	-	-	ENTRANCE
0020	62+46	-	62+79	INDUSTRIAL AVE	RT	-	-	-	-	-	-	115	-	-	-	-	-	16	-	1	-	-	SW QUAD
0020	63+21	-	63+51	INDUSTRIAL AVE	RT	-	-	-	-	-	-	100	-	-	-	-	-	17	-	1	-	-	SE QUAD
0010	196+92	-	200+85	STH 21 'EB'	LT	15	-	38	-	1,210	-	-	120	-	-	40	-	-	-	-	2	-	W. SPLITTER ISL
0010	202+29	-	206+06	STH 21 'EB'	LT	35	-	-	-	2,810	-	-	150	-	-	40	-	-	-	-	2	-	E. SPLITTER ISL
0010	249+67	-	254+32	STH 21 'EB'	LT	-	52	-	-	-	4,230	-	-	100	-	-	40	-	-	-	-	2	W. SPLITTER ISL
0010	255+73	-	259+83	STH 21 'EB'	LT	-	44	-	-	-	3,560	-	-	110	-	-	40	-	-	-	-	2	E. SPLITTER ISL
0010	508+91	-	512+19	CTH FF 'NB'	LT	29	-	9	-	2,340	-	-	170	-	-	40	-	-	-	-	2	-	S. SPLITTER ISL
0010	513+60	-	515+40	REIGHMOOR 'NB'	LT	9	-	8	-	710	-	-	170	-	-	40	-	-	-	-	2	-	N. SPLITTER ISL
0010	602+90	-	603+33	SAND PIT 'NB'	RT	-	-	-	22	-	-	-	-	-	-	-	-	-	-	-	-	-	PRIVATE ENT
0010	603+63	-	604+80	SAND PIT 'NB'	LT	-	9	-	-	-	730	-	-	110	-	-	40	-	-	-	-	2	S. SPLITTER IS
0010	606+14	-	609+72	SAND PIT 'NB'	LT	-	12	-	29	-	940	-	-	87	-	-	40	-	-	-	-	2	N. SPLITTER ISL
				SUBTOTAL		88	117	55	51	7,070	9,460	1,055	610	407	40	160	160	33	9	6	8	8	
				TOTAL 0010		**88**	**117**	**55**	**51**	**7,070**	**9,460**	**0**	**610**	**407**	**0**	**160**	**160**	**0**	**9**	**0**	**8**	**8**	
				TOTAL 0020		**0**	**0**	**0**	**0**	**0**	**0**	**8,805**	**0**	**0**	**359**	**0**	**0**	**305**	**0**	**53**	**0**	**0**	

* QUANTITY SHOWN ELSEWHERE

** USED IN CONCRETE SIDEWALK 4-INCH

CONCRETE RUMBLE STRIPS, CENTERLINE

CATEGORY	STATION	TO	STATION	LOCATION	602.3260 CONCRETE RUMBLE STRIPS, CENTERLINE 6180-30-71 LF
0010	89+55	-	192+74	STH 21	9,204
0010	210+24	-	245+59	STH 21	3,135
0010	263+89	-	320+95	STH 21	5,706
				TOTAL 0010	**18,045**

3

RIPRAP

CATEGORY	STATION	LOCATION	OFFSET	606.0200 RIPRAP MEDIUM 6180-30-72 CY	606.0200 RIPRAP MEDIUM 6180-30-73 CY	645.0120 GEOTEXTILE TYPE HR 6180-30-72 SY	645.0120 GEOTEXTILE TYPE HR 6180-30-73 SY
0010	197+01	STH 21 'EB'	RT	2	-	12	-
0010	199+74	STH 21 'EB'	RT	2	-	12	-
0010	406+65	STH 21 'WB'	LT	5	-	23	-
0010	408+14	STH 21 'WB'	LT	2	-	12	-
0010	411+26	STH 21 'WB'	LT	14	-	47	-
0010	508+97	CTH FF 'NB'	RT	2	-	12	-
0010	514+71	CTH FF 'NB'	RT	5	-	23	-
0010	515+31	CTH FF 'NB'	RT	2	-	12	-
0010	517+10	CTH FF 'NB'	RT	19	-	59	-
0010	610+78	CTH FF 'SB'	LT	2	-	12	-
0010	252+93	STH 21 'EB'	RT	-	2	-	12
0010	255+74	STH 21 'EB'	RT	-	2	-	12
0010	358+75	STH 21 'WB'	LT	-	3	-	15
0010	360+07	STH 21 'WB'	LT	-	2	-	12
0010	360+76	STH 21 'WB'	LT	-	11	-	37
0010	361+30	STH 21 'WB'	LT	-	2	-	12
0010	364+10	STH 21 'WB'	LT	-	2	-	12
0010	603+61	SAND PIT 'NB'	RT	-	11	-	37
0010	608+75	SAND PIT 'NB'	RT	-	5	-	23
0010	609+59	SAND PIT 'NB'	RT	-	2	-	12
SUBTOTAL				55	42	224	184
TOTAL 0010				**55**	**42**	**224**	**184**

GUARDRAIL

6180-30-71

CATEGORY	STATION	TO	STATION	LOCATION		614.2300 MGS GUARDRAIL LF	614.2500 MGS THRIE BEAM TRANSITION LF	614.2610 MGS TERMINAL EAT EA
0010	161+29	-	164+47	STH 21	RT	225	39	1
0010	163+00	-	164+68	STH 21	LT	75	39	1
0010	165+21	-	167+26	STH 21	RT	112.5	39	1
0010	165+43	-	167+74	STH 21	LT	137.5	39	1
			TOTAL 0010			**550**	**156**	**4**

BARRIER SYSTEM GRADING SHAPING FINISHING

6180-30-71

CATEGORY	STATION	TO	STATION	LOCATION		614.0010 EACH	REMARKS	*FOR INFORMATION ONLY BORROW CY	SALVAGED TOPSOIL SY	EROSION MAT URBAN CLASS I TYPE B SY	FERTILIZER TYPE B CWT	SEEDING MIXTURE NO. 30 LB
0010	160+02	-	164+54	STH 21	RT	1	SOUTHWEST QUADRANT OF SPRING BROOK BRIDGE	45	316	316	0.2	14
0010	161+67	-	164+68	STH 21	LT	1	NORTHWEST QUADRANT OF SPRING BROOK BRIDGE	15	314	314	0.2	14
0010	165+14	-	168+48	STH 21	RT	1	SOUTHEAST QUADRANT OF SPRING BROOK BRIDGE	15	357	357	0.2	16
0010	165+41	-	169+09	STH 21	LT	1	NORTHEAST QUADRANT OF SPRING BROOK BRIDGE	35	235	235	0.1	11
				TOTAL 0010		**4**		110	1,222	1,222	0.8	55

3

STORM SEWER PIPES

CATEGORY	FROM STRUCTURE NO.,	TO STRUCTURE NO.	INLET ELEVATION	OUTLET ELEVATION	SLOPE %	608.0312 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 12-INCH 6180-30-72 LF	608.0412 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 12-INCH 6180-30-72 LF	608.0412 6180-30-73 LF	608.0415 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 15-INCH 6180-30-72 LF	608.0415 6180-30-73 LF	608.0418 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 18-INCH 6180-30-72 LF	608.0424 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 24-INCH 6180-30-72 LF	608.0436 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 36-INCH 6180-30-73 LF	* 633.5200 MARKERS CULVERT END 6180-30-72 EACH	6180-30-73
0010	INL 5-1	INL 5-2	787.24	787.20	0.56	8	-	-	-	-	-	-	-	-	-
0010	INL 5-2	AEW 5-3	787.20	787.00	0.43	46	-	-	-	-	-	-	-	1	-
0010	INL 10-1	AEW 10-2	789.31	789.12	0.50	37	-	-	-	-	-	-	-	1	-
0010	INL 15-1	INL 15-2	790.90	790.78	0.48	-	26	-	-	-	-	-	-	-	-
0010	INL 15-2	INL 15-3	790.53	790.39	0.52	-	-	-	26	-	-	-	-	-	-
0010	INL 15-3	INL 15-4	790.39	790.28	0.49	-	-	-	22	-	-	-	-	-	-
0010	INL 15-4	INL 15-5	790.03	789.71	0.50	-	-	-	-	-	64	-	-	-	-
0010	INL 15-5	INL 15-6	789.71	789.60	0.48	-	-	-	-	-	23	-	-	-	-
0010	INL 15-6	INL 15-7	789.10	788.98	0.52	-	-	-	-	-	-	24	-	-	-
0010	INL 15-7	INL 15-8	788.98	788.86	0.49	-	-	-	-	-	-	23	-	-	-
0010	INL 15-8	AEW 15-9	788.86	788.09	2.06	-	-	-	-	-	-	38	-	1	-
0010	INL 20-1	AEW 20-2	791.64	789.83	4.34	42	-	-	-	-	-	-	-	1	-
0010	INL 25-1	INL 25-2	793.31	793.28	0.40	-	8	-	-	-	-	-	-	-	-
0010	INL 25-2	AEW 25-3	793.28	793.18	0.31	-	33	-	-	-	-	-	-	1	-
0010	INL 30-1	AEW 30-2	793.26	793.11	0.41	-	37	-	-	-	-	-	-	1	-
0010	INL 35-1	INL 35-2	790.18	790.15	0.31	-	10	-	-	-	-	-	-	-	-
0010	INL 35-2	INL 35-3	790.15	789.75	0.50	-	81	-	-	-	-	-	-	-	-
0010	INL 35-3	INL 35-4	789.75	787.97	3.00	-	59	-	-	-	-	-	-	-	-
0010	INL 35-4	AEW 35-5	786.97	786.66	0.49	-	-	-	-	-	-	63	-	1	-
0010	INL 40-1	INL 40-2	786.45	786.42	0.32	-	9	-	-	-	-	-	-	-	-
0010	INL 40-2	AEW 40-3	786.42	786.33	0.31	-	29	-	-	-	-	-	-	1	-
0010	INL 100	AEW 100.1	845.20	845.02	0.49	-	-	36	-	-	-	-	-	-	1
0010	INL 105	INL 105.1	844.60	844.50	0.50	-	-	20	-	-	-	-	-	-	-
0010	INL 105.1	INL 105.2	844.50	844.39	0.49	-	-	23	-	-	-	-	-	-	-
0010	INL 105.2	INL 105.3	844.39	844.27	0.50	-	-	25	-	-	-	-	-	-	-
0010	INL 105.3	AEW 105.4	844.27	844.10	0.47	-	-	-	-	36	-	-	-	-	1
0010	AEW 110	INL 110.1	842.39	842.26	0.55	-	-	-	-	-	-	-	24	-	1
0010	INL 110.1	INL 110.2	842.26	842.22	0.58	-	-	-	-	-	-	-	7	-	-
0010	INL 110.2	INL 110.3	842.22	842.10	0.58	-	-	-	-	-	-	-	21	-	-
0010	INL 110.3	AEW 110.4	842.10	841.99	0.92	-	-	-	-	-	-	-	12	-	1
0010	INL 115	INL 115.1	843.07	843.30	1.98	-	-	24	-	-	-	-	-	-	-
0010	INL 115.1	AEW 115.2	543.30	542.60	1.93	-	-	36	-	-	-	-	-	-	1
0010	INL 118	INL 118.1	843.25	843.07	2.03	-	-	9	-	-	-	-	-	-	-
0010	INL 118.1	INL 118.2	843.07	842.47	1.98	-	-	30	-	-	-	-	-	-	-
0010	INL 118.2	INL 118.3	842.47	842.05	1.96	-	-	21	-	-	-	-	-	-	-
0010	INL 118.3	AEW 118.4	842.05	839.60	4.80	-	-	51	-	-	-	-	-	-	1
0010	INL 125	AEW 125.1	843.23	840.82	4.97	-	-	48	-	-	-	-	-	-	1
0010	INL 130	INL 130.1	844.79	844.75	0.55	-	-	7	-	-	-	-	-	-	-
0010	INL 130.1	AEW 130.2	844.75	844.60	0.40	-	-	38	-	-	-	-	-	-	1
0010	INL 130.3	INL 130.1	844.78	844.75	0.30	-	-	10	-	-	-	-	-	-	-
0010	INL 135	INL 135.1	836.90	836.66	0.30	-	-	10	-	-	-	-	-	-	-
0010	INL 135.1	INL 135.2	836.66	836.62	0.31	-	-	13	-	-	-	-	-	-	-
0010	INL 135.2	AEW 135.3	836.62	836.55	0.31	-	-	23	-	-	-	-	-	-	1
					SUBTOTAL	133	292	424	48	36	87	148	64	8	9
					TOTAL 0010	**133**	**292**	**424**	**48**	**36**	**87**	**148**	**64**	**8**	**9**

* QUANTITY SHOWN ELSEWHERE

3

STORM SEWER STRUCTURES

CATEGORY	STRUCTURE NUMBER	STATION	LOCATION	OFFSET	RIM ELEVATION	INVERT ELEVATION	DEPTH FT	522.1012 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 12-INCH 6180-30-72 EACH	522.1012 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 12-INCH 6180-30-73 EACH	522.1015 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 15-INCH 6180-30-73 EACH	522.1024 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 24-INCH 6180-30-72 EACH	* 522.1036 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 36-INCH 6180-30-73 EACH	611.0624 INLET COVERS TYPE H 6180-30-72 EACH	611.0624 INLET COVERS TYPE H 6180-30-73 EACH	611.0627 INLET COVERS TYPE HM 6180-30-73 EACH	611.0639 INLET COVERS TYPE H-S 6180-30-73 EACH
0010	INL 5-1	197+00.32	STH 21 'EB'	12.69' LT	791.28	787.24	4.04	-	-	-	-	-	1	-	-	-
0010	INL 5-2	197+00.39	STH 21 'EB'	5.38' LT	791.36	787.20	4.16	-	-	-	-	-	1	-	-	-
0010	AEW 5-3	197+00.39	STH 21 'EB'	41.15' RT	-	787.00	-	1	-	-	-	-	-	-	-	-
0010	INL 10-1	200+07.90	STH 21 'EB'	16.59' RT	793.01	789.31	3.71	-	-	-	-	-	1	-	-	-
0010	AEW 10-2	199+78.48	STH 21 'EB'	38.40' RT	-	789.12	-	1	-	-	-	-	-	-	-	-
0010	INL 15-1	511+99.11	CTH FF 'NB'	50.31' LT	795.99	790.81	5.18	-	-	-	-	-	1	-	-	-
0010	INL 15-2	512+02.76	CTH FF 'NB'	25.03' LT	794.75	790.53	4.22	-	-	-	-	-	1	-	-	-
0010	INL 15-3	512+11.70	CTH FF 'NB'	1.50' LT	794.89	790.39	4.49	-	-	-	-	-	1	-	-	-
0010	INL 15-4	512+22.81	CTH FF 'NB'	18.11' RT	794.66	790.03	4.63	-	-	-	-	-	1	-	-	-
0010	INL 15-5	202+34.25	STH 21 'EB'	21.74' RT	794.62	789.71	4.91	-	-	-	-	-	1	-	-	-
0010	INL 15-6	202+36.47	STH 21 'EB'	1.50' LT	794.83	789.10	5.73	-	-	-	-	-	1	-	-	-
0010	INL 15-7	202+41.18	STH 21 'EB'	24.62' LT	794.76	788.98	5.78	-	-	-	-	-	1	-	-	-
0010	INL 15-8	202+43.98	STH 21 'EB'	47.66' LT	796.08	788.86	7.21	-	-	-	-	-	1	-	-	-
0010	AEW 15-9	202+63.76	STH 21 'EB'	77.93' LT	-	788.09	-	-	-	-	1	-	-	-	-	-
0010	INL 20-1	203+74.57	STH 21 'EB'	10.93' LT	796.03	791.64	4.39	-	-	-	-	-	1	-	-	-
0010	AEW 20-2	203+72.12	STH 21 'EB'	52.59' LT	-	789.83	-	1	-	-	-	-	-	-	-	-
0010	INL 25-1	509+00.61	CTH FF 'NB'	10.76' LT	795.95	793.31	2.64	-	-	-	-	-	1	-	-	-
0010	INL 25-2	509+00.61	CTH FF 'NB'	3.24' LT	796.17	793.28	2.89	-	-	-	-	-	1	-	-	-
0010	AEW 25-3	508+97.36	CTH FF 'NB'	29.13' RT	-	793.18	-	1	-	-	-	-	-	-	-	-
0010	INL 30-1	510+78.00	CTH FF 'NB'	1.50' LT	796.57	793.26	3.31	-	-	-	-	-	1	-	-	-
0010	AEW 30-2	510+80.94	CTH FF 'NB'	37.99' LT	-	793.11	-	1	-	-	-	-	-	-	-	-
0010	INL 35-1	22+20.00	RA1	1.50' LT	794.08	790.18	3.90	-	-	-	-	-	-	-	-	-
0010	INL 35-2	22+10.00	RA1	1.50' LT	794.03	790.15	3.88	-	-	-	-	-	-	-	-	-
0010	INL 35-3	514+13.09	REIGHMOOR 'NB'	52.65' LT	792.95	789.75	3.20	-	-	-	-	-	-	-	-	-
0010	INL 35-4	514+63.94	REIGHMOOR 'NB'	27.26' LT	793.34	786.97	6.38	-	-	-	-	-	1	-	-	-
0010	AEW 35-5	514+70.02	REIGHMOOR 'NB'	35.92' RT	-	786.66	-	-	-	-	1	-	-	-	-	-
0010	INL 40-1	515+30.70	REIGHMOOR 'NB'	10.91' LT	790.06	786.45	3.61	-	-	-	-	-	1	-	-	-
0010	INL 40-2	515+30.86	REIGHMOOR 'NB'	1.50' LT	789.91	786.42	3.49	-	-	-	-	-	1	-	-	-
0010	AEW 40-3	515+30.86	REIGHMOOR 'NB'	27.62' RT	-	786.33	-	1	-	-	-	-	-	-	-	-
0010	INL 100	252+93.00	STH 21 'EB'	1.50' LT	848.85	845.20	3.65	-	-	-	-	-	-	1	-	-
							SUBTOTAL	6	0	0	2	0	18	1	0	0

* QUANTITY SHOWN ELSEWHERE

3

STORM SEWER STRUCTURES (CONTINUED)

CATEGORY	STRUCTURE NUMBER	STATION	LOCATION	OFFSET	RIM ELEVATION	INVERT ELEVATION	DEPTH FT	522.1012 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 12-INCH 6180-30-72 EACH	522.1012 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 12-INCH 6180-30-73 EACH	522.1015 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 15-INCH 6180-30-73 EACH	522.1024 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 24-INCH 6180-30-72 EACH	* 522.1036 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 36-INCH 6180-30-73 EACH	611.0624 INLET COVERS TYPE H 6180-30-72 EACH	611.0624 INLET COVERS TYPE H 6180-30-73 EACH	611.0627 INLET COVERS TYPE HM 6180-30-73 EACH	611.0639 INLET COVERS TYPE H-S 6180-30-73 EACH
0010	AEW 100.1	252+93.00	STH 21 'EB'	34.98' RT	-	845.02	-	-	1	-	-	-	-	-	-	-
0010	INL 105	254+28.53	STH 21 'EB'	18.41' RT	847.98	844.60	3.38	-	-	-	-	-	-	1	-	-
0010	INL 105.1	254+24.19	STH 21 'EB'	1.25' LT	848.23	844.50	3.73	-	-	-	-	-	-	1	-	-
0010	INL 105.2	254+17.28	STH 21 'EB'	22.51' LT	848.11	844.39	3.72	-	-	-	-	-	-	1	-	-
0010	INL 105.3	254+13.21	STH 21 'EB'	46.44' LT	847.87	844.27	3.60	-	-	-	-	-	-	1	-	-
0010	AEW 105.4	254+05.85	STH 21 'EB'	80.32' LT	-	844.10	-	-	-	1	-	-	-	-	-	-
0010	AEW 110	603+69.43	SAND PIT 'NB'	31.97' LT	-	842.39	-	-	-	-	-	1	-	-	-	-
0010	INL 110.1	603+68.83	SAND PIT 'NB'	8.40' LT	847.01	842.26	4.75	-	-	-	-	-	-	1	-	-
0010	INL 110.2	603+68.68	SAND PIT 'NB'	1.34' LT	846.79	842.22	4.57	-	-	-	-	-	-	1	-	-
0010	INL 110.3	603+60.65	SAND PIT 'NB'	17.49' RT	848.01	842.10	5.91	-	-	-	-	-	-	-	-	1
0010	AEW 110.4	603+60.93	SAND PIT 'NB'	29.48' RT	-	841.99	-	-	-	-	-	1	-	-	-	-
0010	INL 115	255+79.66	STH 21 'EB'	1.00' LT	847.69	843.78	3.91	-	-	-	-	-	-	1	-	-
0010	INL 115.1	255+72.51	STH 21 'EB'	22.19' RT	847.46	843.30	4.16	-	-	-	-	-	-	1	-	-
0010	AEW 115.2	255+73.84	STH 21 'EB'	58.47' RT	-	842.60	-	-	1	-	-	-	-	-	-	-
0010	INL 118	12+32.01	RA2	1.61' LT	847.40	843.25	4.15	-	-	-	-	-	-	-	-	-
0010	INL 118.1	12+22.86	RA2	1.39' LT	847.46	843.07	4.39	-	-	-	-	-	-	-	-	-
0010	INL 118.2	255+84.73	STH 21 'EB'	25.94' LT	847.62	842.47	5.13	-	-	-	-	-	-	1	-	-
0010	INL 118.3	255+89.79	STH 21 'EB'	46.74' LT	847.32	842.05	5.27	-	-	-	-	-	-	-	-	1
0010	AEW 118.4	256+16.94	STH 21 'EB'	86.20' LT	-	839.60	-	-	1	-	-	-	-	-	-	-
0010	INL 125	256+92.81	STH 21 'EB'	9.76' LT	848.17	843.23	4.94	-	-	-	-	-	-	-	-	1
0010	AEW 125.1	256+89.90	STH 21 'EB'	58.16' LT	-	840.82	-	-	1	-	-	-	-	-	-	-
0010	INL 130	259+74.84	STH 21 'EB'	1.50' LT	847.55	844.79	2.76	-	-	-	-	-	-	-	1	-
0010	INL 130.1	259+75.18	STH 21 'EB'	8.77' LT	847.65	844.75	2.90	-	-	-	-	-	-	-	1	-
0010	AEW 130.2	259+73.87	STH 21 'EB'	46.39' LT	-	844.60	-	-	1	-	-	-	-	-	-	-
0010	INL 130.3	259+65.08	STH 21 'EB'	9.56' LT	847.70	844.78	2.92	-	-	-	-	-	-	-	1	-
0010	INL 135	609+39.14	SAND PIT 'NB'	9.80' LT	840.17	836.51	3.66	-	-	-	-	-	-	1	-	-
0010	INL 135.1	609+49.12	SAND PIT 'NB'	9.26' LT	840.02	836.66	3.64	-	-	-	-	-	-	1	-	-
0010	INL 135.2	609+59.00	SAND PIT 'NB'	1.50' LT	839.89	836.62	3.27	-	-	-	-	-	-	1	-	-
0010	AEW 135.3	609+59.04	SAND PIT 'NB'	21.24' RT	-	836.55	-	-	1	-	-	-	-	-	-	-
							SUBTOTAL	0	6	1	0	2	0	12	3	3
							TOTAL 0010	**6**	**6**	**1**	**2**	**2**	**18**	**13**	**3**	**3**

* QUANTITY SHOWN ELSEWHERE

3

STORM SEWER STRUCTURES (CONTINUED)

								611.0642	611.0652		611.1230	611.2005	611.3230		611.3901	650.4000		SPV.0060.02	
								INLET COVERS TYPE MS	INLET COVERS TYPE T		CATCH BASINS 2X3-FT	MANHOLES 5-FT DIAMETER	INLETS 2X3-FT		INLETS MEDIAN 1 GRATE	CONSTRUCTION STAKING STORM SEWER		INLETS 2X2.5-FT SPECIAL	
CATEGORY	STRUCTURE NUMBER	STATION	LOCATION	OFFSET	RIM ELEVATION	INVERT ELEVATION	DEPTH FT	6180-30-72 EACH	6180-30-72 EACH	6180-30-73 EACH	6180-30-73 EACH	6180-30-73 EACH	6180-30-72 EACH	6180-30-73 EACH	6180-30-72 EACH	6180-30-72 EACH	6180-30-73 EACH	6180-30-72 EACH	6180-30-73 EACH
0010	INL 5-1	197+00.32	STH 21 'EB'	12.69' LT	791.28	787.24	4.04	-	-	-	-	-	1	-	-	1	-	-	-
0010	INL 5-2	197+00.39	STH 21 'EB'	5.38' LT	791.36	787.20	4.16	-	-	-	-	-	1	-	-	1	-	-	-
0010	AEW 5-3	197+00.39	STH 21 'EB'	41.15' RT	-	787.00	-	-	-	-	-	-	-	-	-	1	-	-	-
0010	INL 10-1	200+07.90	STH 21 'EB'	16.59' RT	793.01	789.31	3.71	-	-	-	-	-	1	-	-	1	-	-	-
0010	AEW 10-2	199+78.48	STH 21 'EB'	38.40' RT	-	789.12	-	-	-	-	-	-	-	-	-	1	-	-	-
0010	INL 15-1	511+99.11	CTH FF 'NB'	50.31' LT	795.99	790.81	5.18	-	-	-	-	-	1	-	-	1	-	-	-
0010	INL 15-2	512+02.76	CTH FF 'NB'	25.03' LT	794.75	790.53	4.22	-	-	-	-	-	1	-	-	1	-	-	-
0010	INL 15-3	512+11.70	CTH FF 'NB'	1.50' LT	794.89	790.39	4.49	-	-	-	-	-	1	-	-	1	-	-	-
0010	INL 15-4	512+22.81	CTH FF 'NB'	18.11' RT	794.66	790.03	4.63	-	-	-	-	-	1	-	-	1	-	-	-
0010	INL 15-5	202+34.25	STH 21 'EB'	21.74' RT	794.62	789.71	4.91	-	-	-	-	-	1	-	-	1	-	-	-
0010	INL 15-6	202+36.47	STH 21 'EB'	1.50' LT	794.83	789.10	5.73	-	-	-	-	-	1	-	-	1	-	-	-
0010	INL 15-7	202+41.18	STH 21 'EB'	24.62' LT	794.76	788.98	5.78	-	-	-	-	-	1	-	-	1	-	-	-
0010	INL 15-8	202+43.98	STH 21 'EB'	47.66' LT	796.08	788.86	7.21	-	-	-	-	-	1	-	-	1	-	-	-
0010	AEW 15-9	202+63.76	STH 21 'EB'	77.93' LT	-	788.09	-	-	-	-	-	-	-	-	-	1	-	-	-
0010	INL 20-1	203+74.57	STH 21 'EB'	10.93' LT	796.03	791.64	4.39	-	-	-	-	-	1	-	-	1	-	-	-
0010	AEW 20-2	203+72.12	STH 21 'EB'	52.59' LT	-	789.83	-	-	-	-	-	-	-	-	-	1	-	-	-
0010	INL 25-1	509+00.61	CTH FF 'NB'	10.76' LT	795.95	793.31	2.64	-	-	-	-	-	1	-	-	1	-	-	-
0010	INL 25-2	509+00.61	CTH FF 'NB'	3.24' LT	796.17	793.28	2.89	-	-	-	-	-	1	-	-	1	-	-	-
0010	AEW 25-3	508+97.36	CTH FF 'NB'	29.13' RT	-	793.18	-	-	-	-	-	-	-	-	-	1	-	-	-
0010	INL 30-1	510+78.00	CTH FF 'NB'	1.50' LT	796.57	793.26	3.31	-	-	-	-	-	1	-	-	1	-	-	-
0010	AEW 30-2	510+80.94	CTH FF 'NB'	37.99' LT	-	793.11	-	-	-	-	-	-	-	-	-	1	-	-	-
0010	INL 35-1	22+20.00	RA1	1.50' LT	794.08	790.18	3.90	-	1	-	-	-	-	-	-	1	-	1	-
0010	INL 35-2	22+10.00	RA1	1.50' LT	794.03	790.15	3.88	-	1	-	-	-	-	-	-	1	-	1	-
0010	INL 35-3	514+13.09	REIGHMOOR 'NB'	52.65' LT	792.95	789.75	3.20	1	-	-	-	-	-	-	1	1	-	-	-
0010	INL 35-4	514+63.94	REIGHMOOR 'NB'	27.26' LT	793.34	786.97	6.38	-	-	-	-	-	1	-	-	1	-	-	-
0010	AEW 35-5	514+70.02	REIGHMOOR 'NB'	35.92' RT	-	786.66	-	-	-	-	-	-	-	-	-	1	-	-	-
0010	INL 40-1	515+30.70	REIGHMOOR 'NB'	10.91' LT	790.06	786.45	3.61	-	-	-	-	-	1	-	-	1	-	-	-
0010	INL 40-2	515+30.86	REIGHMOOR 'NB'	1.50' LT	789.91	786.42	3.49	-	-	-	-	-	1	-	-	1	-	-	-
0010	AEW 40-3	515+30.86	REIGHMOOR 'NB'	27.62' RT	-	786.33	-	-	-	-	-	-	-	-	-	1	-	-	-
0010	INL 100	252+93.00	STH 21 'EB'	1.50' LT	848.85	845.20	3.65	-	-	-	-	-	-	1	-	-	1	-	-
							SUBTOTAL	1	2	0	0	0	18	1	1	29	1	2	0

* QUANTITY SHOWN ELSEWHERE

3

STORM SEWER STRUCTURES (CONTINUED)

								611.0642	611.0652		611.1230	611.2005	611.3230		611.3901	650.4000		SPV.0060.02	
								INLET COVERS TYPE MS	INLET COVERS TYPE T		CATCH BASINS 2X3-FT	MANHOLES 5-FT DIAMETER	INLETS 2X3-FT		INLETS MEDIAN 1 GRATE	CONSTRUCTION STAKING STORM SEWER		INLETS 2X2.5-FT SPECIAL	
CATEGORY	STRUCTURE NUMBER	STATION	LOCATION	OFFSET	RIM ELEVATION	INVERT ELEVATION	DEPTH FT	6180-30-72 EACH	6180-30-72 EACH	6180-30-73 EACH	6180-30-73 EACH	6180-30-73 EACH	6180-30-72 EACH	6180-30-73 EACH	6180-30-72 EACH	6180-30-72 EACH	6180-30-73 EACH	6180-30-72 EACH	6180-30-73 EACH
0010	AEW 100.1	252+93.00	STH 21 'EB'	34.98' RT	-	845.02	-	-	-	-	-	-	-	-	-	-	1	-	-
0010	INL 105	254+28.53	STH 21 'EB'	18.41' RT	847.98	844.60	3.38	-	-	-	1	-	-	-	-	-	1	-	-
0010	INL 105.1	254+24.19	STH 21 'EB'	1.25' LT	848.23	844.50	3.73	-	-	-	-	-	-	1	-	-	1	-	-
0010	INL 105.2	254+17.28	STH 21 'EB'	22.51' LT	848.11	844.39	3.72	-	-	-	-	-	-	1	-	-	1	-	-
0010	INL 105.3	254+13.21	STH 21 'EB'	46.44' LT	847.87	844.27	3.60	-	-	-	1	-	-	-	-	-	1	-	-
0010	AEW 105.4	254+05.85	STH 21 'EB'	80.32' LT	-	844.10	-	-	-	-	-	-	-	-	-	-	1	-	-
0010	AEW 110	603+69.43	SAND PIT 'NB'	31.97' LT	-	842.39	-	-	-	-	-	-	-	-	-	-	1	-	-
0010	INL 110.1	603+68.83	SAND PIT 'NB'	8.40' LT	847.01	842.26	4.75	-	-	-	-	1	-	-	-	-	1	-	-
0010	INL 110.2	603+68.68	SAND PIT 'NB'	1.34' LT	846.79	842.22	4.57	-	-	-	-	1	-	-	-	-	1	-	-
0010	INL 110.3	603+60.65	SAND PIT 'NB'	17.49' RT	848.01	842.10	5.91	-	-	-	-	1	-	-	-	-	1	-	-
0010	AEW 110.4	603+60.93	SAND PIT 'NB'	29.48' RT	-	841.99	-	-	-	-	-	-	-	-	-	-	1	-	-
0010	INL 115	255+79.66	STH 21 'EB'	1.00' LT	847.69	843.78	3.91	-	-	-	-	-	-	1	-	-	1	-	-
0010	INL 115.1	255+72.51	STH 21 'EB'	22.19' RT	847.46	843.30	4.16	-	-	-	1	-	-	-	-	-	1	-	-
0010	AEW 115.2	255+73.84	STH 21 'EB'	58.47' RT	-	842.60	-	-	-	-	-	-	-	-	-	-	1	-	-
0010	INL 118	12+32.01	RA2	1.61' LT	847.40	843.25	4.15	-	-	1	-	-	-	-	-	-	1	-	1
0010	INL 118.1	12+22.86	RA2	1.39' LT	847.46	843.07	4.39	-	-	1	-	-	-	-	-	-	1	-	1
0010	INL 118.2	255+84.73	STH 21 'EB'	25.94' LT	847.62	842.47	5.13	-	-	-	-	-	-	1	-	-	1	-	-
0010	INL 118.3	255+89.79	STH 21 'EB'	46.74' LT	847.32	842.05	5.27	-	-	-	-	-	-	1	-	-	1	-	-
0010	AEW 118.4	256+16.94	STH 21 'EB'	86.20' LT	-	839.60	-	-	-	-	-	-	-	-	-	-	1	-	-
0010	INL 125	256+92.81	STH 21 'EB'	9.76' LT	848.17	843.23	4.94	-	-	-	-	-	-	1	-	-	1	-	-
0010	AEW 125.1	256+89.90	STH 21 'EB'	58.16' LT	-	840.82	-	-	-	-	-	-	-	-	-	-	1	-	-
0010	INL 130	259+74.84	STH 21 'EB'	1.50' LT	847.55	844.79	2.76	-	-	-	-	-	-	1	-	-	1	-	-
0010	INL 130.1	259+75.18	STH 21 'EB'	8.77' LT	847.65	844.75	2.90	-	-	-	-	-	-	1	-	-	1	-	-
0010	AEW 130.2	259+73.87	STH 21 'EB'	46.39' LT	-	844.60	-	-	-	-	-	-	-	-	-	-	1	-	-
0010	INL 130.3	259+65.08	STH 21 'EB'	9.56' LT	847.70	844.78	2.92	-	-	-	-	-	-	1	-	-	1	-	-
0010	INL 135	609+39.14	SAND PIT 'NB'	9.80' LT	840.17	836.51	3.66	-	-	-	-	-	-	1	-	-	1	-	-
0010	INL 135.1	609+49.12	SAND PIT 'NB'	9.26' LT	840.02	836.66	3.64	-	-	-	-	-	-	1	-	-	1	-	-
0010	INL 135.2	609+59.00	SAND PIT 'NB'	1.50' LT	839.89	836.62	3.27	-	-	-	-	-	-	1	-	-	1	-	-
0010	AEW 135.3	609+59.04	SAND PIT 'NB'	21.24' RT	-	836.55	-	-	-	-	-	-	-	-	-	-	1	-	-
							SUBTOTAL	0	0	2	3	3	0	12	0	0	29	0	2
							TOTAL 0010	**1**	**2**	**2**	**3**	**3**	**18**	**13**	**1**	**29**	**30**	**2**	**2**

* QUANTITY SHOWN ELSEWHERE

ADJUSTING INLET COVERS, MANHOLE COVERS, AND WATER VALVE BOXES

6180-30-71

CATEGORY	STATION	LOCATION	OFFSET	611.8110 ADJUSTING MANHOLE COVERS EACH	611.8115 ADJUSTING INLET COVERS EACH	SPV.0060.05 ADJUSTING SANITARY MANHOLE COVERS EACH	SPV.0060.06 ADJUSTING WATER VALVE BOXES EACH
0010	1+11	STH 21	7.9' LT	-	-	-	1
0010	1+34	STH 21	15.3' RT	1	-	-	-
0010	1+35	STH 21	50.0' RT	1	-	-	-
0010	1+41	STH 21	1.9' RT	-	-	1	-
0010	1+51	STH 21	12.0' RT	-	-	-	1
0010	1+51	STH 21	38.8' RT	-	-	-	1
0010	2+66	STH 21	16.6' RT	1	-	-	-
0010	3+76	STH 21	-	-	-	1	-
0010	3+82	STH 21	8.6' RT	-	-	-	1
0010	4+54	STH 21	36.8' RT	-	-	1	-
0010	4+75	STH 21	16.4' RT	1	-	-	-
0020	5+10	STH 21	27.0' LT	-	1	-	-
0010	5+11	STH 21	1.4' RT	1	-	-	-
0020	5+19	STH 21	27.0' RT	-	1	-	-
0010	7+73	STH 21	0.9' LT	1	-	-	-
0010	8+10	STH 21	46.6' RT	1	-	-	-
0010	8+10	STH 21	38.7' LT	1	-	-	-
0010	8+47	STH 21	2.2' LT	1	-	-	-
0010	9+68	STH 21	0.5' LT	1	-	-	-
0010	12+23	STH 21	0.7' RT	1	-	-	-
0020	13+13	STH 21	27.0' RT	-	1	-	-
0010	13+50	STH 21	23.0' RT	-	-	1	-
0010	13+54	STH 21	37.2' RT	1	-	-	-
0010	17+63	STH 21	16.3' RT	1	-	-	-
0010	17+77	STH 21	22.9' RT	-	-	1	-
0010	21+18	STH 21	18.4' RT	1	-	-	-
0010	21+27	STH 21	13.0' LT	-	-	-	1
0010	21+31	STH 21	22.8' RT	-	-	1	-
0010	21+66	STH 21	22.0' LT	-	-	-	1
0010	23+84	STH 21	22.1' RT	-	-	1	-
0010	25+70	STH 21	19.8' RT	-	-	1	-
0010	25+79	STH 21	39.0' RT	-	-	-	1
0010	25+79	STH 21	49.6' RT	-	-	-	1
0010	27+06	STH 21	11.1' LT	-	-	-	1
0010	27+72	STH 21	21.9' RT	-	-	1	-
0010	28+27	STH 21	18.1' RT	1	-	-	-
0010	30+25	STH 21	17.1' RT	1	-	-	-
0010	30+41	STH 21	19.8' RT	-	-	1	-
0010	33+14	STH 21	20.0' RT	-	-	1	-
0020	34+49	STH 21	24.0' LT	-	1	-	-
		SUBTOTAL		16	4	11	9

ADJUSTING INLET COVERS, MANHOLE COVERS, AND WATER VALVE BOXES (CONTINUED)

6180-30-71

CATEGORY	STATION	LOCATION	OFFSET	611.8110 ADJUSTING MANHOLE COVERS EACH	611.8115 ADJUSTING INLET COVERS EACH	SPV.0060.05 ADJUSTING SANITARY MANHOLE COVERS EACH	SPV.0060.06 ADJUSTING WATER VALVE BOXES EACH
0010	34+56	STH 21	17.4' LT	-	-	-	1
0010	34+63	STH 21	19.5' RT	1	-	-	-
0010	34+64	STH 21	41.1' RT	-	-	-	1
0010	34+75	STH 21	29.1' RT	-	-	1	-
0010	34+75	STH 21	7.7' LT	-	-	1	-
0010	34+80	STH 21	31.8' LT	-	-	-	1
0010	35+69	STH 21	11.8' LT	-	-	1	-
0010	36+33	STH 21	18.5' RT	1	-	-	-
0010	38+72	STH 21	11.9' LT	-	-	1	-
0010	38+73	STH 21	15.6' RT	1	-	-	-
0010	40+40	STH 21	22.5' LT	-	-	1	-
0010	41+94	STH 21	18.1' LT	-	-	1	-
0010	44+35	STH 21	21.7' RT	-	-	-	1
0010	44+35	STH 21	39.7' RT	-	-	-	1
0010	44+41	STH 21	18.8' LT	-	-	1	-
0010	44+42	STH 21	31.8' RT	-	-	1	-
0010	44+58	STH 21	14.4' RT	1	-	-	-
0010	45+48	STH 21	14.2' RT	1	-	-	-
0010	46+99	STH 21	14.0' LT	1	-	-	-
0010	47+40	STH 21	28.9' LT	-	-	1	-
0020	50+28	STH 21	24.0' LT	-	1	-	-
0010	50+74	STH 21	16.5' LT	1	-	-	-
0010	50+78	STH 21	32.0' LT	-	-	1	-
0010	50+89	STH 21	18.5' RT	-	-	-	1
0010	51+01	STH 21	22.3' RT	-	-	-	1
0010	51+08	STH 21	31.4' RT	-	-	-	1
0010	51+10	STH 21	21.2' LT	-	-	1	-
0010	54+56	STH 21	15.8' LT	1	-	-	-
0010	55+12	STH 21	20.5' LT	-	-	1	-
0010	56+80	STH 21	19.3' LT	-	-	1	-
0010	59+11	STH 21	19.4' LT	-	-	1	-
0010	62+73	STH 21	20.4' LT	-	-	1	-
0010	63+11	STH 21	29.0' RT	-	-	-	1
		SUBTOTAL		8	1	15	9
		TOTAL 0010		**24**	**0**	**26**	**18**
		TOTAL 0020		**0**	**5**	**0**	**0**

3

3

PIPE UNDERDRAIN

												310.0115		612.0106		645.0111	
												BASE AGGREGATE OPEN-GRADED		PIPE UNDERDRAIN 6-INCH		GEOTEXTILE TYPE DF SCHEDULE A	
				INLET			TO STRUCTURE	OUTLET			SLOPE	6180-30-72	6180-30-73	6180-30-72	6180-30-73	6180-30-72	6180-30-73
CATEGORY	STATION	LOCATION	OFFSET	STATION	OFFSET	ELEVATION	NO.	STATION	OFFSET	ELEVATION	%	CY	CY	LF	LF	SY	SY
0010	202+39	STH 21 'EB'	21' RT	202+44	21' RT	790.81	15-5	202+34.25	21.74' RT	790.71	1.00	0.3	-	10	-	2	-
0010	202+40	STH 21 'EB'	51' LT	202+37	55' LT	790.89	15-8	202+43.98	47.66' LT	790.89	0.00	0.3	-	10	-	2	-
0010	202+48	STH 21 'EB'	44' LT	202+52	41' LT	790.89	15-8	202+43.98	47.66' LT	790.89	0.00	0.3	-	10	-	2	-
0010	511+96	CTH FF 'NB'	47' LT	511+94	44' LT	790.81	15-1	511+99.11	50.31' LT	790.81	0.00	0.3	-	10	-	2	-
0010	512+02	CTH FF 'NB'	54' LT	512+04	57' LT	790.81	15-1	511+99.11	50.31' LT	790.81	0.00	0.3	-	10	-	2	-
0010	512+17	CTH FF 'NB'	18' RT	512+11	18' RT	791.13	15-4	512+22.81	18.11' RT	791.03	1.00	0.3	-	10	-	2	-
0010	22+05	RA1	2' LT	22+00	2' LT	790.75	35-2	22+10.00	1.5' LT	790.65	1.00	0.3	-	10	-	2	-
0010	22+25	RA1	2' LT	22+30	2' LT	790.78	35-1	22+20.00	1.5' LT	790.68	1.00	0.3	-	10	-	2	-
0010	514+59	REIGHMOOR 'NB'	27' LT	514+54	26' LT	788.16	35-4	514+63.94	27.26' LT	788.16	0.00	0.3	-	10	-	2	-
0010	514+69	REIGHMOOR 'NB'	27' LT	514+74	28' LT	787.67	35-4	514+63.94	27.26' LT	788.17	5.02	0.3	-	10	-	2	-
0010	254+23	STH 21 'EB'	19' RT	254+17	18' RT	844.60	105	254+28.54	18.41' RT	844.60	0.00	-	0.3	-	10	-	2
0010	254+34	STH 21 'EB'	18' RT	254+41	21' RT	844.60	105	254+28.54	18.41' RT	844.60	0.00	-	0.3	-	10	-	2
0010	254+10	STH 21 'EB'	44' LT	254+07	41' LT	845.12	105.3	254+13.21	46.44' LT	845.02	1.00	-	0.3	-	10	-	2
0010	254+16	STH 21 'EB'	50' LT	254+18	53' LT	845.12	105.3	254+13.21	46.44' LT	845.02	1.00	-	0.3	-	10	-	2
0010	255+68	STH 21 'EB'	23' RT	255+62	26' RT	843.90	115.1	255+72.51	22.19' RT	843.80	1.00	-	0.3	-	10	-	2
0010	255+77	STH 21 'EB'	22' RT	255+82	21' RT	843.90	115.1	255+72.51	22.19' RT	843.80	1.00	-	0.3	-	10	-	2
0010	255+86	STH 21 'EB'	50' LT	255+83	54' LT	842.65	118.3	255+89.79	46.74' LT	842.55	1.00	-	0.3	-	10	-	2
0010	255+94	STH 21 'EB'	44' LT	255+98	41' LT	842.65	118.3	255+89.79	46.74' LT	842.55	1.00	-	0.3	-	10	-	2
0010	259+60	STH 21 'EB'	10' LT	259+55	10' LT	845.38	130.3	259+65.08	9.56' LT	845.28	1.00	-	0.3	-	10	-	2
0010	259+80	STH 21 'EB'	9' LT	259+85	9' LT	845.35	130.1	259+75.18	8.77' LT	845.25	1.00	-	0.3	-	10	-	2
0010	603+55	SAND PIT 'NB'	17' RT	603+50	17' RT	843.92	110.3	603+60.65	17.49' RT	843.92	0.00	-	0.3	-	11	-	2
0010	603+66	SAND PIT 'NB'	17' RT	603+71	17' RT	843.92	110.3	603+60.65	17.49' RT	843.92	0.00	-	0.3	-	11	-	2
0010	609+34	SAND PIT 'NB'	10' LT	609+29	11' LT	836.51	135	609+39.14	9.80' LT	836.51	0.00	-	0.3	-	10	-	2
0010	609+54	SAND PIT 'NB'	9' LT	609+59	9' LT	836.38	135.1	609+49.12	9.26' LT	836.38	0.00	-	0.3	-	10	-	2
0010	12+18	RA2	2' LT	12+13	2' LT	843.67	118.1	12+22.86	1.39' LT	843.57	1.00	-	0.3	-	10	-	2
0010	12+37	RA2	2' LT	12+42	2' LT	843.85	118	12+32.01	1.61' LT	843.75	1.00	-	0.3	-	10	-	2
										SUBTOTAL		3.0	4.8	100	162	20	32
										TOTAL 0010		**3.0**	**4.8**	**100**	**162**	**20**	**32**

3

SILT FENCE

CATEGORY	STATION	TO	STATION	LOCATION		628.1504 SILT FENCE 6180-30-71 LF	628.1504 SILT FENCE 6180-30-72 LF	628.1504 SILT FENCE 6180-30-73 LF	628.1520 SILT FENCE MAINTENANCE 6180-30-71 LF	628.1520 SILT FENCE MAINTENANCE 6180-30-72 LF	628.1520 SILT FENCE MAINTENANCE 6180-30-73 LF	REMARKS
0010	159+99	-	167+57	STH 21	RT	471	-	-	471	-	-	
0010	161+73	-	164+70	STH 21	LT	313	-	-	313	-	-	
0010	165+14	-	168+56	STH 21	RT	360	-	-	360	-	-	
0010	165+37	-	169+08	STH 21	LT	380	-	-	380	-	-	
0010	192+61	-	194+18	STH 21 'EB'	RT	-	157	-	-	157	-	
0010	192+62	-	195+34	STH 21 'EB'	LT	-	274	-	-	274	-	ALONG STH 21 WB
0010	207+04	-	210+35	STH 21 'EB'	RT	-	340	-	-	340	-	
0010	207+83	-	210+31	STH 21 'EB'	LT	-	256	-	-	256	-	ALONG STH 21 WB
0010	245+48	-	245+96	STH 21 'EB'	RT	-	-	49	-	-	49	
0010	245+44	-	252+64	STH 21 'EB'	LT	-	-	717	-	-	717	ALONG STH 21 WB
0010	261+72	-	263+56	STH 21 'EB'	RT	-	-	185	-	-	185	
0010	261+70	-	263+53	STH 21 'EB'	LT	-	-	185	-	-	185	ALONG STH 21 WB
			UNDISTRIBUTED			381	257	284	381	257	284	
				SUBTOTAL		1,905	1,284	1,420	1,905	1,284	1,420	
				TOTAL 0010		**1,905**	**1,284**	**1,420**	**1,905**	**1,284**	**1,420**	

CULVERT PIPE CHECKS

CATEGORY	STATION	LOCATION		628.7555 CULVERT PIPE CHECKS 6180-30-72 EACH	628.7555 CULVERT PIPE CHECKS 6180-30-73 EACH
0010	198+54	STH 21 'EB'	RT	2	-
0010	206+84	STH 21 'EB'	RT	6	-
0010	507+99	CTH FF 'NB'	RT	2	-
0010	516+44	CTH FF 'NB'	RT	8	-
0010	256+26	STH 21 'EB'	RT	-	5
0010	261+02	STH 21 'EB'	RT	-	2
0010	602+65	SAND PIT 'NB'	RT	-	2
0010	608+26	SAND PIT 'NB'	RT	-	3
0010	803+68	SAND PIT 'SB'	LT	-	5
0010	807+32	SAND PIT 'SB'	LT	-	2
0010	808+32	SAND PIT 'SB'	LT	-	2
		SUBTOTAL		18	21
		TOTAL 0010		**18**	**21**

TEMPORARY DITCH CHECKS

CATEGORY	STATION	LOCATION	OFFSET	628.7504 TEMPORARY DITCH CHECKS 6180-30-72 LF	628.7504 TEMPORARY DITCH CHECKS 6180-30-73 LF
0010	194+80	STH 21 'EB'	RT	10	-
0010	199+24	STH 21 'EB'	RT	10	-
0010	203+89	STH 21 'EB'	RT	10	-
0010	206+96	STH 21 'EB'	RT	10	-
0010	399+91	STH 21 'WB'	LT	10	-
0010	404+14	STH 21 'WB'	LT	10	-
0010	407+85	STH 21 'WB'	LT	10	-
0010	505+96	CTH FF 'NB'	RT	10	-
0010	508+80	CTH FF 'NB'	RT	10	-
0010	512+22	CTH FF 'NB'	RT	10	-
0010	514+87	CTH FF 'NB'	RT	10	-
0010	517+63	CTH FF 'NB'	RT	10	-
0010	520+40	CTH FF 'NB'	RT	10	-
0010	606+66	CTH FF 'SB'	LT	10	-
0010	609+98	CTH FF 'SB'	LT	10	-
0010	618+19	CTH FF 'SB'	LT	10	-
0010	620+27	CTH FF 'SB'	LT	10	-
0010	251+97	STH 21 'EB'	RT	-	10
0010	604+10	SAND PIT 'NB'	RT	-	10
0010	606+40	SAND PIT 'NB'	RT	-	10
0010	609+84	SAND PIT 'NB'	RT	-	10
0010	612+59	SAND PIT 'NB'	RT	-	10
0010	803+00	SAND PIT 'SB'	LT	-	10
0010	804+37	SAND PIT 'SB'	LT	-	10
0010	806+24	SAND PIT 'SB'	LT	-	10
0010	810+09	SAND PIT 'SB'	LT	-	10
		SUBTOTAL		170	90
		TOTAL 0010		**170**	**90**

EROSION CONTROL SUMMARY

CATEGORY	STATION	TO	STATION	LOCATION	OFFSET	625.0100 TOPSOIL 6180-30-71 SY	625.0500 SALVAGED TOPSOIL 6180-30-72 SY	625.0500 SALVAGED TOPSOIL 6180-30-73 SY	627.0200 MULCHING 6180-30-72 SY	627.0200 MULCHING 6180-30-73 SY	628.2004 EROSION MAT CLASS I TYPE B 6180-30-72 SY	628.2004 EROSION MAT CLASS I TYPE B 6180-30-73 SY	628.2006 EROSION MAT URBAN CLASS I TYPE A 6180-30-71 SY	628.2008 EROSION MAT URBAN CLASS I TYPE B 6180-30-72 SY	628.2008 EROSION MAT URBAN CLASS I TYPE B 6180-30-73 SY	REMARKS
0020	0+96	-	63+52	STH 21	LT/RT	460	-	-	-	-	-	-	460	-	-	CITY OF OMRO
0010	192+74 'EB'	-	504+57 'SB'	STH 21/CTH FF	RT/LT	-	4,233	-	1,813	-	2,301	-	-	119	-	SW QUADRANT
0010	397+15 'WB'	-	620+52 'SB'	STH 21/CTH FF	LT	-	2,533	-	608	-	758	-	-	1,167	-	NW QUADRANT
0010	504+56 'NB'	-	210+24 'EB'	STH 21/CTH FF	RT	-	3,423	-	1,041	-	2,202	-	-	180	-	SE QUADRANT
0010	520+53 'NB'	-	414+65 'WB'	STH 21/CTH FF	RT/LT	-	5,471	-	3,258	-	2,087	-	-	126	-	NE QUADRANT
0010	20+00	-	23+24	CTH FF 'RAB'	LT	-	392	-	-	-	-	-	-	392	-	CENTRAL ISLAND
0010	245+59 'EB'	-	800+00 'SB'	STH 21/SAND PIT	RT/LT	-	-	3,412	-	1,695	-	1,596	-	-	121	SW QUADRANT
0010	350+00 'WB'	-	812+85 'SB'	STH 21/SAND PIT	LT	-	-	2,237	-	1,111	-	1,024	-	-	102	NW QUADRANT
0010	600+00 'NB'	-	263+41 'EB'	STH 21/SAND PIT	RT	-	-	2,997	-	1,627	-	1,119	-	-	251	SE QUADRANT
0010	612+84 'NB'	-	367+80 'WB'	STH 21/SAND PIT	RT/LT	-	-	3,808	-	2,178	-	1,517	-	-	113	NE QUADRANT
0010	10+00	-	13+14	SAND PIT 'RAB'	LT	-	-	333	-	-	-	-	-	-	333	CENTRAL ISLAND
			UNDISTRIBUTED			115	4,013	3,197	1,680	1,653	1,837	1,314	115	496	230	
				SUBTOTAL		575	20,065	15,984	8,400	8,264	9,185	6,570	575	2,480	1,150	
				TOTAL 0010		**0**	**20,065**	**15,984**	**8,400**	**8,264**	**9,185**	**6,570**	**0**	**2,480**	**1,150**	
				TOTAL 0020		**575**	**0**	**0**	**0**	**0**	**0**	**0**	**575**	**0**	**0**	

EROSION CONTROL SUMMARY (CONTINUED)

CATEGORY	STATION	TO	STATION	LOCATION	OFFSET	629.0210 FERTILIZER TYPE B 6180-30-71 CWT	629.0210 FERTILIZER TYPE B 6180-30-72 CWT	629.0210 FERTILIZER TYPE B 6180-30-73 CWT	630.0130 SEEDING MIXTURE NO. 30 6180-30-72 LB	630.0130 SEEDING MIXTURE NO. 30 6180-30-73 LB	630.0140 SEEDING MIXTURE NO. 40 6180-30-71 LB	630.0200 SEEDING TEMPORARY 6180-30-72 LB	630.0200 SEEDING TEMPORARY 6180-30-73 LB	630.0500 SEED WATER 6180-30-71 MGAL	630.0500 SEED WATER 6180-30-72 MGAL	630.0500 SEED WATER 6180-30-73 MGAL	SPV.0085.01 SEEDING LOW MAINTENANCE FESCUE 6180-30-72 LB	SPV.0085.01 SEEDING LOW MAINTENANCE FESCUE 6180-30-73 LB	REMARKS
0020	0+96	-	63+52	STH 21	LT/RT	0.3	-	-	-	-	21	-	-	10	-	-	-	-	CITY OF OMRO
0010	192+74 'EB'	-	504+57 'SB'	STH 21/CTH FF	RT/LT	-	3.1	-	222	-	-	114	-	-	94	-	-	-	SW QUADRANT
0010	397+15 'WB'	-	620+52 'SB'	STH 21/CTH FF	LT	-	1.9	-	135	-	-	68	-	-	56	-	-	-	NW QUADRANT
0010	504+56 'NB'	-	210+24 'EB'	STH 21/CTH FF	RT	-	2.5	-	179	-	-	92	-	-	76	-	-	-	SE QUADRANT
0010	520+53 'NB'	-	414+65 'WB'	STH 21/CTH FF	RT/LT	-	3.9	-	276	-	-	148	-	-	122	-	-	-	NE QUADRANT
0010	20+00	-	23+24	CTH FF 'RAB'	LT	-	0.2	-	-	-	-	11	-	-	9	-	18	-	CENTRAL ISLAND
0010	245+59 'EB'	-	800+00 'SB'	STH 21/SAND PIT	RT/LT	-	-	2.5	-	182	-	-	92	-	-	76	-	-	SW QUADRANT
0010	350+00 'WB'	-	812+85 'SB'	STH 21/SAND PIT	LT	-	-	1.9	-	134	-	-	60	-	-	50	-	-	NW QUADRANT
0010	600+00 'NB'	-	263+41 'EB'	STH 21/SAND PIT	RT	-	-	2.2	-	158	-	-	81	-	-	67	-	-	SE QUADRANT
0010	612+84 'NB'	-	367+80 'WB'	STH 21/SAND PIT	RT/LT	-	-	2.8	-	201	-	-	103	-	-	85	-	-	NE QUADRANT
0010	10+00	-	13+14	SAND PIT 'RAB'	LT	-	-	0.2	-	-	-	-	9	-	-	7	-	15	CENTRAL ISLAND
			UNDISTRIBUTED			0.1	2.9	2.4	203	169	5	108	86	3	89	71	4	4	
				SUBTOTAL		0.4	14.5	12.1	1,015	843	26	542	432	13	446	355	22	19	
				TOTAL 0010		**0.0**	**14.5**	**12.1**	**1,015**	**843**	**0**	**542**	**432**	**0**	**446**	**355**	**22**	**19**	
				TOTAL 0020		**0.4**	**0.0**	**0.0**	**0.00**	**0.00**	**26**	**0**	**0**	**13**	**0**	**0**	**0**	**0**	

3

INLET PROTECTION

CATEGORY	STATION	LOCATION		628.7005 INLET PROTECTION TYPE A 6180-30-72 EACH	628.7005 INLET PROTECTION TYPE A 6180-30-73 EACH	628.7010 INLET PROTECTION TYPE B 6180-30-71 EACH	628.7010 INLET PROTECTION TYPE B 6180-30-72 EACH	628.7015 INLET PROTECTION TYPE C 6180-30-71 EACH	628.7015 INLET PROTECTION TYPE C 6180-30-72 EACH	628.7015 INLET PROTECTION TYPE C 6180-30-73 EACH
0010	1+26	STH 21	RT	-	-	-	-	1	-	-
0010	1+68	STH 21	RT	-	-	-	-	1	-	-
0010	2+41	STH 21	LT	-	-	-	-	1	-	-
0010	2+68	STH 21	RT	-	-	-	-	1	-	-
0010	2+69	STH 21	LT	-	-	-	-	1	-	-
0010	4+53	STH 21	RT	-	-	-	-	1	-	-
0010	4+96	STH 21	RT	-	-	-	-	1	-	-
0010	5+10	STH 21	LT	-	-	-	-	1	-	-
0010	5+20	STH 21	RT	-	-	-	-	1	-	-
0010	9+50	STH 21	LT	-	-	-	-	1	-	-
0010	9+92	STH 21	RT	-	-	-	-	1	-	-
0010	13+14	STH 21	RT	-	-	-	-	1	-	-
0010	13+31	STH 21	RT	-	-	-	-	1	-	-
0010	17+32	STH 21	RT	-	-	-	-	1	-	-
0010	17+56	STH 21	LT	-	-	-	-	1	-	-
0010	17+61	STH 21	RT	-	-	-	-	1	-	-
0010	20+97	STH 21	RT	-	-	-	-	1	-	-
0010	21+24	STH 21	LT	-	-	-	-	1	-	-
0010	23+78	STH 21	LT	-	-	-	-	1	-	-
0010	23+80	STH 21	RT	-	-	-	-	1	-	-
0010	25+50	STH 21	LT	-	-	-	-	1	-	-
0010	25+51	STH 21	RT	-	-	-	-	1	-	-
0010	25+89	STH 21	RT	-	-	-	-	1	-	-
0010	26+17	STH 21	RT	-	-	-	-	1	-	-
0010	28+31	STH 21	RT	-	-	-	-	1	-	-
0010	30+14	STH 21	LT	-	-	-	-	1	-	-
0010	30+32	STH 21	RT	-	-	-	-	1	-	-
0010	30+68	STH 21	RT	-	-	-	-	1	-	-
0010	34+49	STH 21	LT	-	-	-	-	1	-	-
0010	36+30	STH 21	LT	-	-	-	-	1	-	-
0010	37+49	STH 21	RT	-	-	-	-	1	-	-
0010	37+88	STH 21	RT	-	-	-	-	1	-	-
0010	39+10	STH 21	LT	-	-	-	-	1	-	-
0010	44+99	STH 21	LT	-	-	-	-	1	-	-
0010	46+97	STH 21	LT	-	-	-	-	1	-	-
0010	46+98	STH 21	RT	-	-	-	-	1	-	-
0010	50+28	STH 21	LT	-	-	-	-	1	-	-
0010	50+87	STH 21	RT	-	-	-	-	1	-	-
0010	54+39	STH 21	RT	-	-	-	-	1	-	-
0010	54+60	STH 21	LT	-	-	-	-	1	-	-
0010	56+54	STH 21	LT	-	-	-	-	1	-	-
0010	56+56	STH 21	RT	-	-	-	-	1	-	-
0010	59+54	STH 21	LT	-	-	-	-	1	-	-
0010	59+56	STH 21	RT	-	-	-	-	1	-	-
0010	63+25	STH 21	RT	-	-	1	-	-	-	-
		SUBTOTAL		0	0	1	0	44	0	0

INLET PROTECTION (CONTINUED)

CATEGORY	STATION	LOCATION		628.7005 INLET PROTECTION TYPE A 6180-30-72 EACH	628.7005 INLET PROTECTION TYPE A 6180-30-73 EACH	628.7010 INLET PROTECTION TYPE B 6180-30-71 EACH	628.7010 INLET PROTECTION TYPE B 6180-30-72 EACH	628.7015 INLET PROTECTION TYPE C 6180-30-71 EACH	628.7015 INLET PROTECTION TYPE C 6180-30-72 EACH	628.7015 INLET PROTECTION TYPE C 6180-30-73 EACH
0010	197+00	STH 21 'EB'	LT	1	-	-	-	-	1	-
0010	200+08	STH 21 'EB'	RT	1	-	-	-	-	1	-
0010	202+34	STH 21 'EB'	RT	1	-	-	-	-	1	-
0010	202+36	STH 21 'EB'	LT	1	-	-	-	-	1	-
0010	401+41	STH 21 'WB'	RT	1	-	-	-	-	1	-
0010	406+66	STH 21 'WB'	LT	1	-	-	-	-	1	-
0010	406+76	STH 21 'WB'	RT	1	-	-	-	-	1	-
0010	408+14	STH 21 'WB'	RT	1	-	-	-	-	1	-
0010	509+01	CTH FF 'NB'	LT	1	-	-	-	-	1	-
0010	510+78	CTH FF 'NB'	LT	1	-	-	-	-	1	-
0010	512+15	CTH FF 'NB'	LT	1	-	-	-	-	1	-
0010	512+23	CTH FF 'NB'	RT	1	-	-	-	-	1	-
0010	515+31	CTH FF 'NB'	LT	1	-	-	-	-	1	-
0010	609+01	CTH FF 'SB'	RT	1	-	-	-	-	1	-
0010	612+11	CTH FF 'SB'	RT	1	-	-	-	-	1	-
0010	612+20	CTH FF 'SB'	LT	1	-	-	-	-	1	-
0010	613+99	CTH FF 'SB'	LT	1	-	-	1	-	-	-
0010	614+63	CTH FF 'SB'	LT	1	-	-	-	-	1	-
0010	615+29	CTH FF 'SB'	RT	1	-	-	-	-	1	-
0010	22+10	CTH FF 'RAB'	LT	1	-	-	-	-	1	-
0010	22+20	CTH FF 'RAB'	LT	1	-	-	-	-	1	-
0010	252+93	STH 21 'EB'	LT	-	1	-	-	-	-	1
0010	254+24	STH 21 'EB'	LT	-	1	-	-	-	-	1
0010	254+29	STH 21 'EB'	RT	-	1	-	-	-	-	1
0010	255+73	STH 21 'EB'	RT	-	1	-	-	-	-	1
0010	255+80	STH 21 'EB'	LT	-	1	-	-	-	-	1
0010	259+75	STH 21 'EB'	LT	-	1	-	-	-	-	1
0010	358+64	STH 21 'WB'	RT	-	1	-	-	-	-	1
0010	358+71	STH 21 'WB'	LT	-	1	-	-	-	-	1
0010	360+07	STH 21 'WB'	LT	-	1	-	-	-	-	1
0010	360+17	STH 21 'WB'	RT	-	1	-	-	-	-	1
0010	361+30	STH 21 'WB'	RT	-	1	-	-	-	-	1
0010	364+04	STH 21 'WB'	RT	-	1	-	-	-	-	1
0010	364+14	STH 21 'WB'	RT	-	1	-	-	-	-	1
0010	603+61	SAND PIT 'NB'	RT	-	1	-	-	-	-	1
0010	603+69	SAND PIT 'NB'	LT	-	1	-	-	-	-	1
0010	609+59	SAND PIT 'NB'	LT	-	1	-	-	-	-	1
0010	803+68	SAND PIT 'SB'	RT	-	1	-	-	-	-	1
0010	809+40	SAND PIT 'SB'	RT	-	1	-	-	-	-	1
0010	809+50	SAND PIT 'SB'	RT	-	1	-	-	-	-	1
0010	12+23	SAND PIT 'RAB'	LT	-	1	-	-	-	-	1
0010	12+32	SAND PIT 'RAB'	LT	-	1	-	-	-	-	1
		SUBTOTAL		21	21	0	1	0	20	21
		TOTAL 0010		21	21	1	1	44	20	21

3

PERMANENT SIGNING, TYPE II

							637.2210		637.2230		634.0614		634.0616		634.0618		634.0812		
							SIGNS TYPE II REFLECTIVE TYPE H		SIGNS TYPE II REFLECTIVE TYPE F		POSTS WOOD 4X6X14		POSTS WOOD 4X6X16		POSTS WOOD 4X6X18		POSTS TUBULAR STEEL 2X2X12		
CATEGORY	SIGN NO.	LOCATION	SIGN CODE	W X H			6180-30-72 SF	6180-30-73 SF	6180-30-72 SF	6180-30-73 SF	6180-30-72 EACH	6180-30-73 EACH	6180-30-72 EACH	6180-30-73 EACH	6180-30-72 EACH	6180-30-73 EACH	6180-30-72 EACH	6180-30-73 EACH	REMARKS
0010	1	STH 21, W. OF CTH FF	W14-3	48"	X	36"	12.00	-	5.56	-	-	-	1	-	-	-	-	-	
0010	2	"	W2-6	30"	X	30"	-	-	6.25	-	-	-	1	-	-	-	-	-	
0010	3	"	W13-1	18"	X	18"	-	-	2.25	-	-	-	-	-	-	-	-	-	MOUNT BELOW SIGN 2
0010	4A	"	D1-62	132"	X	66"	60.50	-	-	-	-	-	-	-	3	-	-	-	
0010	4	"	R4-7	36"	X	48"	12.00	-	-	-	-	-	1	-	-	-	-	-	
0010	5	"	W5-54	18"	X	18"	-	-	2.25	-	-	-	-	-	-	-	-	-	MOUNT BELOW SIGN 4
0010	6	"	D1-1	48"	X	15"	5.00	-	-	-	-	-	2	-	-	-	-	-	
0010	7	"	R5-1	30"	X	30"	6.25	-	-	-	1	-	-	-	-	-	-	-	
0010	8	"	R2-1	24"	X	30"	5.00	-	-	-	-	-	-	-	-	-	-	-	MOUNT TO BACK OF SIGN 7
0010	9	"	R5-1A	36"	X	24"	6.00	-	-	-	-	-	1	-	-	-	-	-	
0010	10	"	J4-1	24"	X	36"	6.00	-	-	-	-	-	-	-	-	-	-	-	MOUNT TO BACK OF SIGN 9
0010	11	"	D1-1	42"	X	30"	8.75	-	-	-	1	-	-	-	-	-	-	-	
0010	12	"	R1-2	36"	X	31"	3.88	-	-	-	-	-	1	-	-	-	-	-	
0010	13	"	R1-2	36"	X	31"	3.88	-	-	-	-	-	-	-	-	-	1	-	
0010	14	CENTRAL ISLAND	R6-1R	48"	X	18"	6.00	-	-	-	1	-	-	-	-	-	-	-	
0010	15	"	R6-1R	48"	X	18"	6.00	-	-	-	1	-	-	-	-	-	-	-	
0010	16	"	R6-1R	48"	X	18"	6.00	-	-	-	1	-	-	-	-	-	-	-	
0010	17	"	R6-1R	48"	X	18"	6.00	-	-	-	1	-	-	-	-	-	-	-	
0010	18	STH 21, E. OF CTH FF	R1-2	36"	X	31"	3.88	-	-	-	-	-	-	-	-	-	1	-	
0010	19	"	R1-2	36"	X	31"	3.88	-	-	-	-	-	1	-	-	-	-	-	
0010	20	"	D1-67	42"	X	30"	8.75	-	-	-	1	-	-	-	-	-	-	-	
0010	21	"	J4-1	24"	X	36"	6.00	-	-	-	-	-	-	-	-	-	-	-	MOUNT TO BACK OF SIGN 22
0010	22	"	R5-1A	36"	X	24"	6.00	-	-	-	-	-	1	-	-	-	-	-	
0010	23	CTH FF	D1-67	36"	X	18"	4.50	-	-	-	2	-	-	-	-	-	-	-	
0010	24	"	R1-2	36"	X	31"	3.88	-	-	-	1	-	-	-	-	-	-	-	
0010	25	"	R1-2	36"	X	31"	3.88	-	-	-	1	-	-	-	-	-	-	-	
0010	26	REIGHMOOR RD	D1-67	90"	X	15"	9.38	-	-	-	2	-	-	-	-	-	-	-	
0010	27	"	R1-2	36"	X	31"	3.88	-	-	-	-	-	1	-	-	-	-	-	
0010	28	"	R1-2	36"	X	31"	3.88	-	-	-	-	-	1	-	-	-	-	-	
0010	29	STH 21, E. OF CTH FF	R2-1	24"	X	30"	5.00	-	-	-	-	-	-	-	-	-	-	-	MOUNT TO BACK OF SIGN 30
0010	30	"	R5-1	30"	X	30"	6.25	-	-	-	1	-	-	-	-	-	-	-	
0010	31	"	R4-7	36"	X	48"	12.00	-	-	-	-	-	1	-	-	-	-	-	
0010	32	"	W5-54	18"	X	18"	-	-	2.25	-	-	-	-	-	-	-	-	-	MOUNT BELOW SIGN 31
0010	33	"	D1-1	48"	X	15"	5.00	-	-	-	-	-	2	-	-	-	-	-	
0010	34	"	D1-62	132"	X	66"	60.50	-	-	-	-	-	-	-	3	-	-	-	
0010	35	"	W2-6	30"	X	30"	-	-	6.25	-	-	-	1	-	-	-	-	-	
		SUBTOTAL					299.92	0.00	24.81	0.00	14	0	15	0	6	0	2	0	

3

PERMANENT SIGNING, TYPE II (CONTINUED)

							637.2210		637.2230		634.0614		634.0616		634.0618		634.0812		
							SIGNS TYPE II REFLECTIVE TYPE H		SIGNS TYPE II REFLECTIVE TYPE F		POSTS WOOD 4X6X14		POSTS WOOD 4X6X16		POSTS WOOD 4X6X18		POSTS TUBULAR STEEL 2X2X12		
CATEGORY	SIGN NO.	LOCATION	SIGN CODE	W X H			6180-30-72 SF	6180-30-73 SF	6180-30-72 SF	6180-30-73 SF	6180-30-72 EACH	6180-30-73 EACH	6180-30-72 EACH	6180-30-73 EACH	6180-30-72 EACH	6180-30-73 EACH	6180-30-72 EACH	6180-30-73 EACH	REMARKS
0010	36	STH 21, E. OF CTH FF	W13-1	18"	X	18"	-	-	2.25	-	-	-	-	-	-	-	-	-	MOUNT BELOW SIGN 35
0010	37	"	W14-3	48"	X	36"	12.00	-	5.56	-	-	-	1	-	-	-	-	-	
0010	38	CTH FF	J1-1	24"	X	39"	6.50	-	-	-	1	-	-	-	-	-	-	-	
0010	39	"	W2-6	30"	X	30"	-	-	6.25	-	-	-	1	-	-	-	-	-	
0010	40	"	W13-1	18"	X	18"	-	-	2.25	-	-	-	-	-	-	-	-	-	MOUNT BELOW SIGN 39
0010	41	"	W14-3	48"	X	36"	12.00	-	5.56	-	-	-	-	-	-	-	-	-	
0010	42	"	J13-1	24"	X	45"	7.50	-	-	-	-	-	1	-	-	-	-	-	
0010	43	"	R4-7	36"	X	48"	12.00	-	-	-	-	-	1	-	-	-	-	-	
0010	44	"	W5-54	18"	X	18"	-	-	2.25	-	-	-	-	-	-	-	-	-	MOUNT BELOW SIGN 43
0010	45	"	R5-1	30"	X	30"	6.25	-	-	-	1	-	-	-	-	-	-	-	
0010	46	"	R2-1	24"	X	30"	5.00	-	-	-	-	-	-	-	-	-	-	-	MOUNT TO BACK OF SIGN 45
0010	47	"	R5-1A	36"	X	24"	6.00	-	-	-	-	-	1	-	-	-	-	-	
0010	48	"	M1-5A	24"	X	24"	4.00	-	-	-	-	-	-	-	-	-	-	-	MOUNT TO BACK OF SIGN 47
0010	49	REIGHMOOR RD	R2-1	24"	X	30"	5.00	-	-	-	-	-	-	-	-	-	-	-	MOUNT TO BACK OF SIGN 50
0010	50	"	R5-1	30"	X	30"	6.25	-	-	-	1	-	-	-	-	-	-	-	
0010	51	"	R4-7	36"	X	48"	12.00	-	-	-	-	-	1	-	-	-	-	-	
0010	52	"	W5-54	18"	X	18"	-	-	2.25	-	-	-	-	-	-	-	-	-	MOUNT BELOW SIGN 51
0010	53	"	J13-2	48"	X	45"	15.00	-	-	-	-	-	1	-	-	-	-	-	
0010	54	"	W2-6	30"	X	30"	-	-	6.25	-	-	-	1	-	-	-	-	-	
0010	55	"	W13-1	18"	X	18"	-	-	2.25	-	-	-	-	-	-	-	-	-	MOUNT BELOW SIGN 54
0010	56	"	J1-1	24"	X	39"	6.50	-	-	-	-	-	1	-	-	-	-	-	
0010	57	STH 21, W. OF SANDPIT RD	W14-3	48"	X	36"	-	12.00	-	5.56	-	-	-	1	-	-	-	-	
0010	58	"	W2-6	30"	X	30"	-	-	-	6.25	-	-	-	1	-	-	-	-	
0010	59	"	W13-1	18"	X	18"	-	-	-	2.25	-	-	-	-	-	-	-	-	MOUNT BELOW SIGN 58
0010	60	"	D1-62	144"	X	66"	-	66.00	-	-	-	-	-	-	-	3	-	-	
0010	61	"	R4-7	36"	X	48"	-	12.00	-	-	-	-	-	1	-	-	-	-	
0010	62	"	W5-54	18"	X	18"	-	-	-	2.25	-	-	-	-	-	-	-	-	MOUNT BELOW SIGN 61
0010	63	"	R5-1	30"	X	30"	-	6.25	-	-	-	1	-	-	-	-	-	-	
0010	64	"	R2-1	24"	X	30"	-	5.00	-	-	-	-	-	-	-	-	-	-	MOUNT TO BACK OF SIGN 63
0010	65	"	R5-1A	36"	X	24"	-	6.00	-	-	-	-	-	1	-	-	-	-	
0010	66	"	J4-1	24"	X	36"	-	6.00	-	-	-	-	-	-	-	-	-	-	MOUNT TO BACK OF SIGN 65
0010	67	"	D1-67	42"	X	30"	-	8.75	-	-	-	1	-	-	-	-	-	-	
0010	68	"	R1-2	36"	X	31"	-	3.88	-	-	-	-	-	1	-	-	-	-	
0010	69	"	R1-2	36"	X	31"	-	3.88	-	-	-	-	-	-	-	-	-	1	
0010	70	CENTRAL ISLAND	R6-1R	48"	X	18"	-	6.00	-	-	-	1	-	-	-	-	-	-	
		SUBTOTAL					116.00	135.76	34.87	16.31	3	3	9	5	0	3	0	1	

3

PERMANENT SIGNING, TYPE II (CONTINUED)

							637.2210		637.2230		634.0614		634.0616		634.0618		634.0812		
							SIGNS TYPE II REFLECTIVE TYPE H		SIGNS TYPE II REFLECTIVE TYPE F		POSTS WOOD 4X6X14		POSTS WOOD 4X6X16		POSTS WOOD 4X6X18		POSTS TUBULAR STEEL 2X2X12		
CATEGORY	SIGN NO.	LOCATION	SIGN CODE	W X H			6180-30-72 SF	6180-30-73 SF	6180-30-72 SF	6180-30-73 SF	6180-30-72 EACH	6180-30-73 EACH	6180-30-72 EACH	6180-30-73 EACH	6180-30-72 EACH	6180-30-73 EACH	6180-30-72 EACH	6180-30-73 EACH	REMARKS
0010	71	CENTRAL ISLAND	R6-1R	48"	X	18"	-	6.00	-	-	-	1	-	-	-	-	-	-	
0010	72	"	R6-1R	48"	X	18"	-	6.00	-	-	-	1	-	-	-	-	-	-	
0010	73	"	R6-1R	48"	X	18"	-	6.00	-	-	-	1	-	-	-	-	-	-	
0010	74	STH 21, E. OF SAND PIT RD	R1-2	36"	X	31"	-	3.88	-	-	-	-	-	-	-	-	-	1	
0010	75	"	R1-2	36"	X	31"	-	3.88	-	-	-	-	-	1	-	-	-	-	
0010	76	"	D1-67	42"	X	30"	-	8.75	-	-	-	1	-	-	-	-	-	-	
0010	77	"	J4-1	24"	X	36"	-	6.00	-	-	-	-	-	-	-	-	-	-	MOUNT TO BACK OF SIGN 77
0010	78	"	R5-1A	36"	X	24"	-	6.00	-	-	-	-	-	1	-	-	-	-	
0010	79	SAND PIT RD, S. OF STH 21	R5-1	30"	X	30"	-	6.25	-	-	-	1	-	-	-	-	-	-	
0010	80	"	R2-1	24"	X	30"	-	5.00	-	-	-	-	-	-	-	-	-	-	MOUNT TO BACK OF SIGN 79
0010	81	"	R4-7	36"	X	48"	-	12.00	-	-	-	-	-	1	-	-	-	-	
0010	82	"	W5-54	18"	X	18"	-	-	-	2.25	-	-	-	-	-	-	-	-	MOUNT BELOW SIGN 81
0010	83	"	R1-2	36"	X	31"	-	3.88	-	-	-	-	-	1	-	-	-	-	
0010	84	"	R1-2	36"	X	31"	-	3.88	-	-	-	-	-	1	-	-	-	-	
0010	85	"	D1-67	84"	X	15"	-	8.75	-	-	-	-	-	2	-	-	-	-	
0010	86	SAND PIT RD, N. OF STH 21	R1-2	36"	X	31"	-	3.88	-	-	-	-	-	1	-	-	-	-	
0010	87	"	R1-2	36"	X	31"	-	3.88	-	-	-	-	-	1	-	-	-	-	
0010	88	"	D1-67	84"	X	15"	-	8.75	-	-	-	-	-	2	-	-	-	-	
0010	89	STH 21, E. OF SAND PIT RD	R2-1	24"	X	30"	-	5.00	-	-	-	-	-	-	-	-	-	-	MOUNT TO BACK OF SIGN 89
0010	90	"	R5-1	30"	X	30"	-	6.25	-	-	-	1	-	-	-	-	-	-	
0010	91	"	R4-7	36"	X	48"	-	12.00	-	-	-	-	-	1	-	-	-	-	
0010	92	"	W5-54	18"	X	18"	-	-	-	2.25	-	-	-	-	-	-	-	-	MOUNT BELOW SIGN 91
0010	93	"	D1-62	144"	X	66"	-	66.00	-	-	-	-	-	-	-	3	-	-	
0010	94	"	W2-6	30"	X	30"	-	-	-	6.25	-	-	-	1	-	-	-	-	
0010	95	"	W13-1	18"	X	18"	-	-	-	2.25	-	-	-	-	-	-	-	-	MOUNT BELOW SIGN 94
0010	96	"	W14-3	48"	X	36"	-	12.00	-	5.56	-	-	-	1	-	-	-	-	
0010	97	SAND PIT RD, S. OF STH 21	W14-3	48"	X	36"	-	12.00	-	5.56	-	-	-	1	-	-	-	-	
0010	98	"	J1-1	24"	X	39"	-	6.50	-	-	-	-	-	1	-	-	-	-	
0010	99	"	W2-6	30"	X	30"	-	-	-	6.25	-	-	-	1	-	-	-	-	
0010	100	"	W13-1	18"	X	18"	-	-	-	2.25	-	-	-	-	-	-	-	-	MOUNT BELOW SIGN 99
0010	101	"	J13-1	24"	X	45"	-	7.50	-	-	-	-	-	1	-	-	-	-	
0010	102	SAND PIT RD, N. OF STH 21	R5-1A	36"	X	24"	-	6.00	-	-	-	1	-	-	-	-	-	-	
0010	103	"	R2-1	24"	X	30"	-	5.00	-	-	-	-	-	-	-	-	-	-	MOUNT TO BACK OF SIGN 104
0010	104	"	R5-1	30"	X	30"	-	6.25	-	-	-	1	-	-	-	-	-	-	
0010	105	"	R4-7	36"	X	48"	-	12.00	-	-	-	-	-	1	-	-	-	-	
		SUBTOTAL					0.00	259.28	0.00	32.62	0	8	0	19	0	3	0	1	

3

PERMANENT SIGNING, TYPE II (CONTINUED)

CATEGORY	SIGN NO.	LOCATION	SIGN CODE	W X H	637.2210 SIGNS TYPE II REFLECTIVE TYPE H 6180-30-72 SF	637.2210 SIGNS TYPE II REFLECTIVE TYPE H 6180-30-73 SF	637.2230 SIGNS TYPE II REFLECTIVE TYPE F 6180-30-72 SF	637.2230 SIGNS TYPE II REFLECTIVE TYPE F 6180-30-73 SF	634.0614 POSTS WOOD 4X6X14 6180-30-72 EACH	634.0614 POSTS WOOD 4X6X14 6180-30-73 EACH	634.0616 POSTS WOOD 4X6X16 6180-30-72 EACH	634.0616 POSTS WOOD 4X6X16 6180-30-73 EACH	634.0618 POSTS WOOD 4X6X18 6180-30-72 EACH	634.0618 POSTS WOOD 4X6X18 6180-30-73 EACH	634.0812 POSTS TUBULAR STEEL 2X2X12 6180-30-72 EACH	634.0812 POSTS TUBULAR STEEL 2X2X12 6180-30-73 EACH	REMARKS
0010	106	SAND PIT RD, N. OF STH 21	W5-54	18" X 18"	-	-	-	2.25	-	-	-	-	-	-	-	-	MOUNT BELOW SIGN 105
0010	107	"	J13-1	24" X 45"	-	7.50	-	-	-	-	-	1	-	-	-	-	
0010	108	"	W2-6	30" X 30"	-	-	-	6.25	-	-	-	1	-	-	-	-	
0010	109	"	W13-1	18" X 18"	-	-	-	2.25	-	-	-	-	-	-	-	-	MOUNT BELOW SIGN 108
0010	110	"	J1-1	24" X 39"	-	6.50	-	-	-	-	-	1	-	-	-	-	
0010	111	"	W14-3	48" X 36"	-	12.00	-	5.56	-	-	-	1	-	-	-	-	
		SUBTOTAL			0.00	26.00	0.00	16.31	0	0	0	4	0	0	0	0	
		TOTAL 0010			**415.92**	**421.04**	**59.68**	**65.24**	**17**	**11**	**24**	**28**	**6**	**6**	**2**	**2**	

REMOVAL OF PERMANENT SIGNING, TYPE II

CATEGORY	SIGN NO.	LOCATION	SIGN CODE	638.2602 REMOVING SIGNS TYPE II 6180-30-72 EACH	638.2602 REMOVING SIGNS TYPE II 6180-30-73 EACH	638.3000 REMOVING SMALL SIGN SUPPORTS 6180-30-72 EACH	638.3000 REMOVING SMALL SIGN SUPPORTS 6180-30-73 EACH
0010	R1	STH 21, W. OF CTH FF	D1-1	1	-	2	-
0010	R2	"	R2-1	1	-	1	-
0010	R3	"	D1-1	1	-	2	-
0010	R4	"	J4-1	1	-	1	-
0010	R5	"	J13-1	1	-	1	-
0010	R6	STH 21, E. OF CTH FF	J13-1	1	-	1	-
0010	R7	"	J4-1	1	-	1	-
0010	R8	CTH FF	J13-1	1	-	1	-
0010	R9	"	R1-1	1	-	1	-
0010	R10	REIGHMOOR RD	R1-1	1	-	1	-
0010	R11	STH 21, E. OF CTH FF	R2-1	1	-	1	-
0010	R12	"	D1-1	1	-	2	-
0010	R13	"	D1-1	1	-	2	-
0010	R14	CTH FF	W3-1	1	-	1	-
0010	R15	REIGHMOOR RD	W3-1	1	-	1	-
0010	R16	STH 21, W. OF SANDPIT RD	D1-1	-	1	-	1
0010	R17	SAND PIT RD, N. OF STH 21	R1-1	-	1	-	1
0010	R18	SAND PIT RD, S. OF STH 21	R1-1	-	1	-	1
0010	R19	STH 21, E. OF SAND PIT RD	D1-1	-	1	-	2
0010	R20	SAND PIT RD, S. OF STH 21	W3-1	-	1	-	1
0010	R21	SAND PIT RD, N. OF STH 21	W3-1	-	1	-	1
		SUBTOTAL		15	6	19	7
		TOTAL 0010		**15**	**6**	**19**	**7**

TRAFFIC CONTROL SUMMARY

			643.0300		* 643.0420						* 643.0705						643.0715		
		ESTIMATED DURATION	TRAFFIC CONTROL DRUMS		TRAFFIC CONTROL BARRICADES TYPE III						TRAFFIC CONTROL WARNING LIGHTS TYPE A						TRAFFIC CONTROL WARNING LIGHTS TYPE C		
			6180-30-71		6180-30-71		6180-30-72		6180-30-73		6180-30-71		6180-30-72		6180-30-73		6180-30-71		
CATEGORY	LOCATION	DAYS	NO. IN SERVICE	DAY	NO. IN SERVICE	DAY	NO. IN SERVICE	DAY	NO. IN SERVICE	DAY	NO. IN SERVICE	DAY	NO. IN SERVICE	DAY	NO. IN SERVICE	DAY	NO. IN SERVICE	DAY	REMARKS
0010	STH 21	17	185	3,145	35	595	-	-	-	-	56	952	-	-	-	-	53	901	STAGE 1A
0010	STH 21	16	189	3,024	38	608	-	-	-	-	60	960	-	-	-	-	57	912	STAGE 1B
0010	STH 21	16	161	2,576	26	416	-	-	-	-	44	704	-	-	-	-	53	848	STAGE 2A
0010	STH 21	16	154	2,464	27	432	-	-	-	-	46	736	-	-	-	-	53	848	STAGE 2B
0010	STH 21	25	100	2,500	22	550	-	-	-	-	32	800	-	-	-	-	10	250	STAGE 3A
0010	STH 21	14	123	1,722	14	196	-	-	-	-	26	364	-	-	-	-	35	490	STAGE 3B
0010	STH 21	35	10	350	-	-	-	-	-	-	-	-	-	-	-	-	-	-	STAGE 4
0010	STH 21	22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	STAGE 5
0010	STH 21/REIGHMOOR RD/CTH FF	90	-	-	-	-	16	1,440	-	-	-	-	20	1,800	-	-	-	-	REIGHMOOR RD/CTH FF/STH 21 FULL CLOSURE
0010	STH 21/SAND PIT RD	90	-	-	-	-	-	-	16	1,440	-	-	-	-	20	1,800	-	-	SAND PIT RD/STH 21 FULL CLOSURE
0010	STA 0+81 - 318+00	187	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	SEE SDD 15C04/15C05 ADVANCED WARNING SIGNS (BOP, EOP)
0010	WASHINGTON AVE	187	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	SEE SDD 15C05 FOR SIDE ROADS
0010	ADAMS AVE	187	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	SEE SDD 15C05 FOR SIDE ROADS
0010	JEFFERSON AVE	187	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	SEE SDD 15C05 FOR SIDE ROADS
0010	WEBSTER AVE	187	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	SEE SDD 15C05 FOR SIDE ROADS
0010	MADISON AVE	187	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	SEE SDD 15C05 FOR SIDE ROADS
0010	MONROE AVE	187	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	SEE SDD 15C05 FOR SIDE ROADS
0010	QUINCY AVE	187	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	SEE SDD 15C05 FOR SIDE ROADS
0010	JACKSON AVE	187	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	SEE SDD 15C05 FOR SIDE ROADS
0010	VAN BUREN AVE	187	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	SEE SDD 15C05 FOR SIDE ROADS
0010	HARRISON AVE	187	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	SEE SDD 15C05 FOR SIDE ROADS
0010	MAPLEWOOD RD (WEST)	187	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	SEE SDD 15C05 FOR SIDE ROADS
0010	MAPLEWOOD RD (EAST)	187	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	SEE SDD 15C05 FOR SIDE ROADS
0010	OMREAU AVE	187	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	SEE SDD 15C05 FOR SIDE ROADS
0010	MCKINLEY AVE	187	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	SEE SDD 15C05 FOR SIDE ROADS
0010	BECKWITH AVE	187	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	SEE SDD 15C05 FOR SIDE ROADS
0010	LINCOLN AVE	187	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	SEE SDD 15C05 FOR SIDE ROADS
0010	MOBILE HOME CT	187	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	SEE SDD 15C05 FOR SIDE ROADS
0010	INDUSTRIAL DR	187	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	SEE SDD 15C05 FOR SIDE ROADS
0010	ALDER AVE/GOLDENROD DR	187	-	-	4	748	-	-	-	-	8	1,496	-	-	-	-	-	-	SEE SDD 15C03 FOR SIDE ROADS
0010	SCHWAB DR/BROOKE DR	187	-	-	4	748	-	-	-	-	8	1,496	-	-	-	-	-	-	SEE SDD 15C03 FOR SIDE ROADS
0010	RIVERMOOR RD (NORTH/SOUTH)	187	-	-	4	748	-	-	-	-	8	1,496	-	-	-	-	-	-	SEE SDD 15C03 FOR SIDE ROADS
0010	SCOTT STREET RD	187	-	-	4	748	-	-	-	-	8	1,496	-	-	-	-	-	-	SEE SDD 15C03 FOR SIDE ROADS
0010	POTRATZ HILL RD/MARQUART LN	187	-	-	4	748	-	-	-	-	8	1,496	-	-	-	-	-	-	SEE SDD 15C03 FOR SIDE ROADS
0010	STA 160+00 - 164+50 RT	4	20	80	-	-	-	-	-	-	-	-	-	-	-	-	-	-	GUARDRAIL REPLACEMENT
0010	STA 161+70 - 164+75 LT	4	20	80	-	-	-	-	-	-	-	-	-	-	-	-	-	-	GUARDRAIL REPLACEMENT
0010	STA 165+20 - 168+70 RT	4	20	80	-	-	-	-	-	-	-	-	-	-	-	-	-	-	GUARDRAIL REPLACEMENT
0010	STA 165+50 - 169+15 LT	4	20	80	-	-	-	-	-	-	-	-	-	-	-	-	-	-	GUARDRAIL REPLACEMENT
	SUBTOTAL			16,101		6,537		1,440		1,440		11,996		1,800		1,800		4,249	
	TOTAL 0010			**16,101**		**6,537**		**1,440**		**1,440**		**11,996**		**1,800**		**1,800**		**4,249**	

* QUANTITY SHOWN ELSEWHERE

FILE NAME : N:\PDS\C3D\61803000\SHEETSPLAN\030202-MQ.DWG
LAYOUT NAME - 030234-mq
PLOT DATE : 9/23/2025 11:00 AM PLOT BY : DANKE, ERIC A PLOT NAME : PLOT SCALE : 1" = 1'
WISDOT/CADDS SHEET 42

TRAFFIC CONTROL SUMMARY (CONTINUED)

			* 643.0900						643.1000	* 643.1050						644.1601		644.1810	644.1900.S		
		ESTIMATED DURATION	TRAFFIC CONROL SIGNS						SIGNS FIXED MESSAGE	TRAFFIC CONTROL SIGNS PCMS						TEMPORARY PEDESTRIAN CURB RAMP		TEMPORARY PEDESTRIAN BARRICADE	TEMPORARY AUDIBLE MESSAGE DEVICE		
			6180-30-71		6180-30-72		6180-30-73		6180-30-71	6180-30-71		6180-30-72		6180-30-73		6180-30-71		6180-30-71	6180-30-71		
CATEGORY	LOCATION	DAYS	NO. IN SERVICE	DAY	NO. IN SERVICE	DAY	NO. IN SERVICE	DAY	SF	NO. IN SERVICE	DAY	NO. IN SERVICE	DAY	NO. IN SERVICE	DAY	NO. IN SERVICE	DAY	LF	NO. IN SERVICE	DAY	REMARKS
0010	STH 21	17	83	1,411	-	-	-	-	-	-	-	-	-	-	-	-	-	4,278	2	34	STAGE 1A
0010	STH 21	16	74	1,184	-	-	-	-	-	-	-	-	-	-	-	-	-	256	2	32	STAGE 1B
0010	STH 21	16	73	1,168	-	-	-	-	-	-	-	-	-	-	-	-	-	3,893	3	48	STAGE 2A
0010	STH 21	16	70	1,120	-	-	-	-	-	-	-	-	-	-	-	-	-	168	3	48	STAGE 2B
0010	STH 21	25	62	1,550	-	-	-	-	42	1	7	-	-	-	-	2	50	1,259	3	75	STAGE 3A
0010	STH 21	14	70	980	-	-	-	-	-	-	-	-	-	-	-	-	-	677	3	42	STAGE 3B
0010	STH 21	35	28	980	-	-	-	-	-	-	-	-	-	-	-	-	-	553	10	350	STAGE 4
0010	STH 21	22	16	352	-	-	-	-	-	-	-	-	-	-	-	-	-	72	4	88	STAGE 5
0010	STH 21/REIGHMOOR RD/CTH FF	90	-	-	12	1,080	-	-	-	-	-	4	28	-	-	-	-	-	-	-	REIGHMOOR RD/CTH FF/STH 21 FULL CLOSURE
0010	STH 21/SAND PIT RD	90	-	-	-	-	12	1,080	-	-	-	-	-	4	28	-	-	-	-	-	SAND PIT RD/STH 21 FULL CLOSURE
0010	STA 0+81 - 318+00	187	9	1,683	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	SEE SDD 15C04/15C05 ADVANCED WARNING SIGNS (BOP, EOP)
0010	WASHINGTON AVE/W MAIN ST	187	1	187	-	-	-	-	-	1	7	-	-	-	-	-	-	-	-	-	SEE SDD 15C05 FOR SIDE ROADS
0010	ADAMS AVE	187	1	187	-	-	-	-	-	1	7	-	-	-	-	-	-	-	-	-	SEE SDD 15C05 FOR SIDE ROADS
0010	JEFFERSON AVE	187	1	187	-	-	-	-	-	1	7	-	-	-	-	-	-	-	-	-	SEE SDD 15C05 FOR SIDE ROADS
0010	WEBSTER AVE	187	1	187	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	SEE SDD 15C05 FOR SIDE ROADS
0010	MADISON AVE	187	1	187	-	-	-	-	-	1	7	-	-	-	-	-	-	-	-	-	SEE SDD 15C05 FOR SIDE ROADS
0010	MONROE AVE	187	1	187	-	-	-	-	-	1	7	-	-	-	-	-	-	-	-	-	SEE SDD 15C05 FOR SIDE ROADS
0010	QUINCY AVE	187	1	187	-	-	-	-	-	1	7	-	-	-	-	-	-	-	-	-	SEE SDD 15C05 FOR SIDE ROADS
0010	JACKSON AVE	187	1	187	-	-	-	-	-	1	7	-	-	-	-	-	-	-	-	-	SEE SDD 15C05 FOR SIDE ROADS
0010	VAN BUREN AVE	187	1	187	-	-	-	-	-	1	7	-	-	-	-	-	-	-	-	-	SEE SDD 15C05 FOR SIDE ROADS
0010	HARRISON AVE	187	1	187	-	-	-	-	-	1	7	-	-	-	-	-	-	-	-	-	SEE SDD 15C05 FOR SIDE ROADS
0010	MAPLEWOOD RD (WEST)	187	1	187	-	-	-	-	-	1	7	-	-	-	-	-	-	-	-	-	SEE SDD 15C05 FOR SIDE ROADS
0010	MAPLEWOOD RD (EAST)	187	1	187	-	-	-	-	-	1	7	-	-	-	-	-	-	-	-	-	SEE SDD 15C05 FOR SIDE ROADS
0010	OMREAU AVE	187	1	187	-	-	-	-	-	1	7	-	-	-	-	-	-	-	-	-	SEE SDD 15C05 FOR SIDE ROADS
0010	MCKINLEY AVE	187	1	187	-	-	-	-	-	1	7	-	-	-	-	-	-	-	-	-	SEE SDD 15C05 FOR SIDE ROADS
0010	BECKWITH AVE	187	1	187	-	-	-	-	-	1	7	-	-	-	-	-	-	-	-	-	SEE SDD 15C05 FOR SIDE ROADS
0010	LINCOLN AVE	187	1	187	-	-	-	-	-	1	7	-	-	-	-	-	-	-	-	-	SEE SDD 15C05 FOR SIDE ROADS
0010	MOBILE HOME CT	187	1	187	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	SEE SDD 15C05 FOR SIDE ROADS
0010	INDUSTRIAL DR	187	1	187	-	-	-	-	-	1	7	-	-	-	-	-	-	-	-	-	SEE SDD 15C05 FOR SIDE ROADS
0010	ALDER AVE/GOLDENROD DR	187	2	374	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	SEE SDD 15C03 FOR SIDE ROADS
0010	SCHWAB DR/BROOKE DR	187	2	374	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	SEE SDD 15C03 FOR SIDE ROADS
0010	RIVERMOOR RD (NORTH/SOUTH)	187	2	374	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	SEE SDD 15C03 FOR SIDE ROADS
0010	SCOTT STREET RD	187	1	187	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	SEE SDD 15C03 FOR SIDE ROADS
0010	POTRATZ HILL RD/MARQUART LN	187	2	374	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	SEE SDD 15C03 FOR SIDE ROADS
0010	STA 160+00 - 164+50 RT	4	3	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	GUARDRAIL REPLACEMENT
0010	STA 161+70 - 164+75 LT	4	3	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	GUARDRAIL REPLACEMENT
0010	STA 165+20 - 168+70 RT	4	3	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	GUARDRAIL REPLACEMENT
0010	STA 165+50 - 169+15 LT	4	3	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	GUARDRAIL REPLACEMENT
	SUBTOTAL		15,525		1,080		1,080		42	119		28		28		50		11,156	717		
	TOTAL 0010		**15,525**		**1,080**		**1,080**		**42**	**119**		**28**		**28**		**50**		**11,156**	**717**		

* QUANTITY SHOWN ELSEWHERE

TRAFFIC CONTROL STH 21 DETOUR SIGN SUMMARY

6180-30-71 CATEGORY 0010

SIGN NO.	LOCATION	SIGN CODE	SIZE W X H	NUMBER IN SERVICE	APPROX. SERVICE PERIOD 187 DAYS	* 643.0900 SIGNS DAYS	* 643.0420 BARRICADES TYPE III DAYS	* 643.0705 WARNING LIGHTS TYPE A DAYS	* 643.1000 SIGNS FIXED MESSAGE SF	* 643.1050 PORTABLE CHANGEABLE MESSAGE SIGN EACH	NO OF CYCLES	643.0910 COVERING SIGNS TYPE I EACH	* 643.0920 COVERING SIGNS TYPE II EACH	REMARKS
1	I-41, N. OF US 45, PLACE 2250' N. OF US 45 ON RIGHT SHOULDER	M 3-4	36"X18"	1	187	187								
	"	M 1-6	36"X36"	1	187	187								21
	"	W 20-2A	48"X48"	1	187	187								
2	I-41, N. OF US 45, PLACE 2250' N. OF US 45 IN MEDIAN	M 3-4	36"X18"	1	187	187								
	"	M 1-6	36"X36"	1	187	187								21
	"	W 20-2A	48"X48"	1	187	187								
3	I-41, N. OF US 45, PLACE 1500' N. OF US 45 ON RIGHT SHOULDER	FMS	132"X54"	1					49.5					SEE SIGN DETAIL SHEET
4	I-41, N. OF US 45, PLACE 1500' N. OF US 45 IN MEDIAN	FMS	132"X54"	1					49.5					SEE SIGN DETAIL SHEET
5	I-41, N. OF US 45, PLACE 750' N. OF US 45 ON RIGHT SHOULDER	MO 4-8	36"X18"	1	187	187								
	"	M 3-4	36"X18"	1	187	187								
	"	M 1-6	36"X36"	1	187	187								21
	"	MO 5-2R	30"X30"	1	187	187								
6	I-41, N. OF US 45, PLACE 750' N. OF US 45 IN MEDIAN	MO 4-8	36"X18"	1	187	187								
	"	M 3-4	36"X18"	1	187	187								
	"	M 1-6	36"X36"	1	187	187								21
	"	MO 5-2R	30"X30"	1	187	187								
7	I-41, AT US 45 RAMP, PLACE IN FRONT OF SIGN CANTILEVER AT US 45 EXIT	MO 4-8	36"X18"	1	187	187								
	"	M 3-4	36"X18"	1	187	187								
	"	M 1-6	36"X36"	1	187	187								21
	"	MO 6-2	30"X30"	1	187	187								TILT RIGHT
8	I-41 OFF-RAMP TO US 45, PLACE 750' PRIOR TO RAMP INTERSECTION	MO 4-8	24"X12"	1	187	187								
	"	M 3-4	24"X12"	1	187	187								
	"	M 1-6	24"X24"	1	187	187								21
	"	MO 5-1R	21"X21"	1	187	187								
9	I-41 OFF-RAMP TO US 45, PLACE RIGHT OF EXISTING J3-3 SIGN PRIOR TO RAMP	MO 4-8	24"X12"	1	187	187								
	"	M 3-4	24"X12"	1	187	187								
	"	M 1-6	24"X24"	1	187	187								21
	"	MO 6-1	21"X21"	1	187	187								RIGHT
10	US 45, AT I-41 SB RAMP, PLACE ABOVE EXISTING SPLITTER ISLAND SIGN	MO 4-8	24"X12"	1	187	187								
	"	M 3-4	24"X12"	1	187	187								
	"	M 1-6	24"X24"	1	187	187								21
	"	MO 6-2	21"X21"	1	187	187								TILT RIGHT
11	I-41, AT US 45 RAMP, PLACE IN FRONT OF SIGN BRIDGE S-70-66 LEFT COLUMN AT US 45 EXIT	MO 4-8	36"X18"	1	187	187								
	"	M 3-4	36"X18"	1	187	187								
	"	M 1-6	36"X36"	1	187	187								21
	"	MO 6-2	30"X30"	1	187	187								TILT LEFT
12	I-41, S. OF US 45, PLACE 250' S. OF US 45 SB ON-RAMP	MO 4-8	36"X18"	1	187	187								
	"	M 3-2	36"X18"	1	187	187								
	"	M 1-6	36"X36"	1	187	187								21
13	I-41, AT US 45, PLACE IN FRONT OF RIGHT COLUMN OF SIGN BRIDGE	MO 4-8	36"X18"	1	187	187								
	"	M 3-4	36"X18"	1	187	187								
	"	M 1-6	36"X36"	1	187	187								21
	"	MO 6-2	30"X30"	1	187	187								TILT RIGHT
13A	I-41, S. OF US 45, PLACE 750' S. OF US 45 ON RIGHT SHOULDER	MO 4-8	36"X18"	1	187	187								
	"	M 3-4	36"X18"	1	187	187								
	"	M 1-6	36"X36"	1	187	187								21
	"	MO 5-2R	30"X30"	1	187	187								
	PAGE SUBTOTALS			47		8,415	0	0	99	0		0	0	

* QUANTITY SHOWN ELSEWHERE

TRAFFIC CONTROL STH 21 DETOUR SIGN SUMMARY (CONTINUED)

6180-30-71 CATEGORY 0010

SIGN NO.	LOCATION	SIGN CODE	SIZE W X H	NUMBER IN SERVICE	APPROX. SERVICE PERIOD 187 DAYS	* 643.0900 SIGNS DAYS	* 643.0420 BARRICADES TYPE III DAYS	* 643.0705 WARNING LIGHTS TYPE A DAYS	* 643.1000 SIGNS FIXED MESSAGE SF	* 643.1050 PORTABLE CHANGEABLE MESSAGE SIGN EACH	NO OF CYCLES	643.0910 COVERING SIGNS TYPE I EACH	* 643.0920 COVERING SIGNS TYPE II EACH	REMARKS
13B	I-41, S. OF US 45, PLACE 750' S. OF US 45 IN MEDIAN	MO 4-8	36"X18"	1	187	187								
	"	M 3-4	36"X18"	1	187	187								
	"	M 1-6	36"X36"	1	187	187								21
	"	MO 5-2R	30"X30"	1	187	187								
14	US 45, N. OF I-41, PLACE RIGHT OF EXISTING J4-1 SIGN	MO 4-8	36"X18"	1	187	187								
	"	M 3-4	36"X18"	1	187	187								
	"	M 1-6	36"X36"	1	187	187								21
14A	US 45, AT I-41 SB RAMP, PLACE IN FRONT OF RIGHT COLUMN OF SIGN BRIDGE S-70-67	MO 4-8	36"X18"	1	187	187								
	"	M 3-2	36"X18"	1	187	187								
	"	M 1-6	36"X36"	1	187	187								21
	"	MO 6-2	30"X30"	1	187	187								TILT RIGHT
14B	US 45, N. OF I-41, PLACE 750' N. OF I-41 SB RAMP ON RIGHT SHOULDER	MO 4-8	36"X18"	1	187	187								
	"	M 3-2	36"X18"	1	187	187								
	"	M 1-6	36"X36"	1	187	187								21
	"	MO 5-2R	30"X30"	1	187	187								
14C	US 45, N. OF I-41, PLACE 750' N. OF I-41 SB RAMP ON RIGHT SHOULDER	MO 4-8	36"X18"	1	187	187								
	"	M 3-2	36"X18"	1	187	187								
	"	M 1-6	36"X36"	1	187	187								21
	"	MO 5-2R	30"X30"	1	187	187								
14D	US 45, S. OF CTH T, PLACE 250' S. OF CTH T EXIT ON RIGHT SHOULDER	MO 4-8	36"X18"	1	187	187								
	"	M 3-4	36"X18"	1	187	187								
	"	M 1-6	36"X36"	1	187	187								21
	"	MO 6-1	30"X30"	1	187	187								AHEAD
14E	US 45, N. OF CTH T, PLACE 250' N. OF CTH T EXIT ON RIGHT SHOULDER	MO 4-8	36"X18"	1	187	187								
	"	M 3-2	36"X18"	1	187	187								
	"	M 1-6	36"X36"	1	187	187								21
	"	MO 6-1	30"X30"	1	187	187								AHEAD
15	US 45, S. OF STH 116, PLACE 750' S. OF STH 116 INTERCHANGE IN MEDIAN	MO 4-8	36"X18"	1	187	187								
	"	M 3-4	36"X18"	1	187	187								
	"	M 1-6	36"X36"	1	187	187								21
	"	MO 5-2R	30"X30"	1	187	187								
16	US 45, S. OF STH 116, PLACE 750' S. OF STH 116 INTERCHANGE ON RIGHT SHOULDER	MO 4-8	36"X18"	1	187	187								
	"	M 3-4	36"X18"	1	187	187								
	"	M 1-6	36"X36"	1	187	187								21
	"	MO 5-2R	30"X30"	1	187	187								
17	US 45, AT STH 116, PLACE LEFT OF EXISTING TYPE I GROUND MOUNT SIGN	MO 4-8	36"X18"	1	187	187								
	"	M 3-4	36"X18"	1	187	187								
	"	M 1-6	36"X36"	1	187	187								21
	"	MO 6-2	30"X30"	1	187	187								TILT RIGHT
18	US 45 OFF-RAMP TO STH 116, PLACE 750' PRIOR TO STH 116 RAMP INTERSECTION	MO 4-8	24"X12"	1	187	187								
	"	M 3-4	24"X12"	1	187	187								
	"	M 1-6	24"X24"	1	187	187								21
	"	MO 5-1L	21"X21"	1	187	187								
19	US 45 OFF-RAMP TO STH 116, PLACE LEFT OF EXISTING R5-1 SIGN AT RAMP INTERSECTION	MO 4-8	24"X12"	1	187	187								
	"	M 3-4	24"X12"	1	187	187								
	"	M 1-6	24"X24"	1	187	187								21
	"	MO 6-1	21"X21"	1	187	187								LEFT
	PAGE SUBTOTALS			47		8,041	0	0	0	0		0	0	

* QUANTITY SHOWN ELSEWHERE

TRAFFIC CONTROL STH 21 DETOUR SIGN SUMMARY (CONTINUED)

6180-30-71 CATEGORY 0010

SIGN NO.	LOCATION	SIGN CODE	SIZE W X H	NUMBER IN SERVICE	APPROX. SERVICE PERIOD 187 DAYS	* 643.0900 SIGNS DAYS	* 643.0420 BARRICADES TYPE III DAYS	* 643.0705 WARNING LIGHTS TYPE A DAYS	* 643.1000 SIGNS FIXED MESSAGE SF	* 643.1050 PORTABLE CHANGEABLE MESSAGE SIGN EACH	NO OF CYCLES	643.0910 COVERING SIGNS TYPE I EACH	* 643.0920 COVERING SIGNS TYPE II EACH	REMARKS
20	US 45, S. OF STH 116, PLACE RIGHT OF EXISTING J4-1 SIGN	MO 4-8	36"X18"	1	187	187								
	"	M 3-2	36"X18"	1	187	187								
	"	M 1-6	36"X36"	1	187	187								21
21	STH 116, AT US 45 SB RAMP, PLACE RIGHT OF EXISTING J3-1 SIGN	MO 4-8	24"X12"	1	187	187								
	"	M 3-2	24"X12"	1	187	187								
	"	M 1-6	24"X24"	1	187	187								21
	"	MO 6-1	21"X21"	1	187	187								RIGHT
22	STH 116, W. OF US 45, PLACE RIGHT OF EXISTING J2-3 SIGN	MO 4-8	24"X12"	1	187	187								
	"	M 3-2	24"X12"	1	187	187								
	"	M 1-6	24"X24"	1	187	187								21
	"	MO 5-1R	21"X21"	1	187	187								
23	STH 116, W. OF US 45, PLACE RIGHT OF EXISTING J4-1 SIGN	MO 4-8	24"X12"	1	187	187								
	"	M 3-4	24"X12"	1	187	187								
	"	M 1-6	24"X24"	1	187	187								21
24	STH 116, E. OF CTH B, PLACE 250' E. OF CTH B INTERSECTION	MO 4-8	24"X12"	1	187	187								
	"	M 3-4	24"X12"	1	187	187								
	"	M 1-6	24"X24"	1	187	187								21
	"	MO 6-1	21"X21"	1	187	187								AHEAD
25	STH 116, W. OF CTH B, PLACE 250' W. OF CTH B INTERSECTION	MO 4-8	24"X12"	1	187	187								
	"	M 3-2	24"X12"	1	187	187								
	"	M 1-6	24"X24"	1	187	187								21
	"	MO 6-1	21"X21"	1	187	187								AHEAD
26	STH 116, E. OF CTH D, PLACE 250' E. OF CTH D INTERSECTION	MO 4-8	24"X12"	1	187	187								
	"	M 3-4	24"X12"	1	187	187								
	"	M 1-6	24"X24"	1	187	187								21
	"	MO 6-1	21"X21"	1	187	187								AHEAD
27	STH 116, W. OF CTH D, PLACE 250' W. OF CTH D INTERSECTION	MO 4-8	24"X12"	1	187	187								
	"	M 3-2	24"X12"	1	187	187								
	"	M 1-6	24"X24"	1	187	187								21
	"	MO 6-1	21"X21"	1	187	187								AHEAD
28	STH 116, E. OF STH 21, MODIFY EXISTING J1-1 SIGN AS SHOWN	M 4-8A	24"X18"	1	187	187								
29	STH 116, E. OF STH 21, COVER EXISTING D2-3 SIGN AS SHOWN										1		1	COVER "OSHKOSH"
30	STH 116, E. OF STH 21, COVER EXISTING J3-2 SIGN AS SHOWN										1		1	COVER "EAST 21"
31	STH 21, W. OF STH 116, MODIFY EXISTING J3-3 SIGN AS SHOWN	MO 4-8	24"X12"	1	187	187								
	"	MO 6-1	21"X21"	1	187	187								AHEAD
31A	STH 21/116, AT STH 116 INTERSECTION, PLACE ON RIGHT SHOULDER IN SW QUADRANT	R 11-3	60"X30"	1	187	187	187	374						4 MILES AHEAD
	"	M 4-9L	30"X24"	1	187	187								
31B	STH 21/116, W. OF STH 116 SPLIT, COVER EXISTING J2-2 SIGN AS SHOWN										1		1	COVER "EAST 21 ADV LEFT"
32	STH 21, W. OF STH 116, COVER EXISTING D2-3 SIGN AS SHOWN										1		1	COVER "OSHKOSH"
33	STH 21, W. OF STH 116, MODIFY EXISTING J2-3 SIGN AS SHOWN	MO 4-8	24"X12"	1	187	187								
	"	MO 6-1	21"X21"	1	187	187								AHEAD
34	STH 21, W. OF STH 116, PLACE 1000' W. OF STH 116 INTERSECTION	FMS	66"X48"	1					22					
35	STH 21, W. OF STH 116, PLACE 1500' W. OF STH 116 INTERSECTION	M 3-2	24"X12"	1	187	187								
	"	M 1-6	24"X24"	1	187	187								21
	"	W 20-2A	48"X48"	1	187	187								
36	STH 21/116, AT STH 116 INTERSECTION, MODIFY EXISTING J3-3 SIGN AS SHOWN	MO 4-8	24"X12"	1	187	187								
	"	MO 6-1	21"X21"	1	187	187								LEFT
	PAGE SUBTOTALS			43		7,854	187	374	22	0		0	4	

* QUANTITY SHOWN ELSEWHERE

TRAFFIC CONTROL STH 21 DETOUR SIGN SUMMARY (CONTINUED)

6180-30-71 CATEGORY 0010

SIGN NO.	LOCATION	SIGN CODE	SIZE W X H	NUMBER IN SERVICE	APPROX. SERVICE PERIOD 187 DAYS	* 643.0900 SIGNS DAYS	* 643.0420 BARRICADES TYPE III DAYS	* 643.0705 WARNING LIGHTS TYPE A DAYS	* 643.1000 SIGNS FIXED MESSAGE SF	* 643.1050 PORTABLE CHANGEABLE MESSAGE SIGN EACH	NO OF CYCLES	643.0910 COVERING SIGNS TYPE I EACH	* 643.0920 COVERING SIGNS TYPE II EACH	REMARKS
37	STH 116, S. OF STH 21, COVER EXISTING D2-3 SIGN AS SHOWN										1		1	COVER "OSHKOSH RT"
37A	STH 21, AT STH 116, PLACE ON RIGHT SHOULDER IN SE QUADRANT OF INTERSECTION	R 11-3	60"X30"	1	187	187	187	374						3 3/4 MILES AHEAD
38	STH 116, S. OF STH 21, PLACE 500' S. OF STH 21 INTERSECTION	MO 4-8	24"X12"	1	187	187								
	"	M 3-2	24"X12"	1	187	187								
	"	M 1-6	24"X24"	1	187	187								21
	"	MO 5-1L	21"X21"	1	187	187								
39	STH 116, S. OF STH 21, PLACE 1000' S. OF STH 21 INTERSECTION	M 3-2	24"X12"	1	187	187								
	"	M 1-6	24"X24"	1	187	187								21
	"	W 20-2A	48"X48"	1	187	187								
40	STH 21, W. OF CTH FF, PLACE ON RIGHT SHOULDER, FIELD DETERMINE LOCATION	PCMS		1						7				PLACE IN ADVANCE OF CLOSURE
41	STH 21, E. OF SAND PIT RD, PLACE ON RIGHT SHOULDER, FIELD DETERMINE LOCATION	PCMS		1						7				PLACE IN ADVANCE OF CLOSURE
42	I-41, N. OF STH 21, MODIFY/COVER EXISTING OH TYPE I SIGN ON SIGN BRIDGE S-70-64	FMS	48"X18"	1					6		1	1		"EAST", COVER OMRO RD
42A	I-41, N. OF STH 21, COVER EXISTING TYPE I GROUND MOUNT SIGN AS SHOWN										1	1		COVER ENTIRE SIGN
43	I-41, N. OF STH 21, MODIFY/COVER EXISTING OH TYPE I SIGN ON SIGN BRIDGE S-70-62	FMS	48"X18"	1					6		1	1		"EAST", COVER OMRO RD
44	I-41, AT STH 21 EXIT, PLACE ON RIGHT SHOULDER AT STH 21 EXIT RAMP	M 4-8A	30"X24"	1	187	187								
	"	M 3-2	36"X18"	1	187	187								
	"	M 1-6	36"X36"	1	187	187								21
45	I-41, AT STH 21 EXIT, PLACE IN MEDIAN ACROSS FROM SIGN #44	M 4-8A	30"X24"	1	187	187								
	"	M 3-2	36"X18"	1	187	187								
	"	M 1-6	36"X36"	1	187	187								21
46	I-41 OFF-RAMP TO STH 21, COVER EXISTING D1-2 SIGN AS SHOWN										1		1	COVER ENTIRE SIGN
47	I-41 OFF-RAMP TO STH 21, COVER EXISTING OH TYPE I SIGN AS SHOWN										1	1		COVER "21 WEST OMRO RD"
48	STH 21, AT I-41 SB RAMP, COVER EXISTING SPLITTER ISLAND SIGN AS SHOWN										1		1	COVER "21 WEST OMRO RD"
49	STH 21, AT I-41 SB RAMP, PLACE ON RIGHT SHOULDER AT EXIT LEG TO STH 21	R 11-3	60"X30"	1	187	187	187	374						3 1/2 MILES AHEAD
50	STH 21, W. OF I-41, COVER EXISTING SIGN AS SHOWN										1		1	COVER ENTIRE SIGN
51	STH 21, W. OF I-41, COVER EXISTING OH TYPE I SIGN AS SHOWN										1	1		COVER "WEST 21"
52	STH 21, W. OF I-41, COVER EXISTING OH TYPE I SIGN AS SHOWN										1	1		COVER "WEST 21"
53	STH 21, AT WASHBURN ST RAB, PLACE ON RIGHT SHOULDER AT EXIT LEG TO STH 21	R 11-3	60"X30"	1	187	187	187	374						3 1/4 MILES AHEAD
54	STH 21 ON-RAMP TO I-41, PLACE 250' N. OF STH 21 RAMP INTERSECTION	MO 4-8	24"X12"	1	187	187								
	"	M 3-4	24"X12"	1	187	187								
	"	M 1-6	24"X24"	1	187	187								21
55	STH 21, BETWEEN I-41 RAMPS, COVER EXISTING OH TYPE I SIGN AS SHOWN										1	1		COVER "WEST 21"
56	STH 21, BETWEEN I-41 RAMPS, COVER EXISTING OH TYPE I SIGN AS SHOWN										1	1		COVER "WEST 21 - OMRO RD"
57	STH 21, AT I-41 NB RAMP, COVER EXISTING SPLITTER ISLAND SIGN AT NB RAB INTERSECTION										1		1	COVER "WEST 21 - OMRO RD"
58	STH 21, AT I-41 NB RAMP, PLACE ABOVE EXISTING SPLITTER ISLAND SIGN TO 41 EXIT LEG	MO 4-8	24"X12"	1	187	187								
	"	M 3-4	24"X12"	1	187	187								
	"	M 1-6	24"X24"	1	187	187								21
	"	MO 6-2	21"X21"	1	187	187								TILT RIGHT
59	STH 21, E. OF I-41 NB RAMP, PLACE IN MEDIAN 100' E. OF I-41 RAMP INTERSECTION	R 11-3	60"X30"	1	187	187	187	374						3 1/2 MILES AHEAD
	"	M 4-9R	30"X24"	1	187	187								
60	STH 21, E. OF I-41, COVER EXISTING OH TYPE I SIGN AS SHOWN										1	1		COVER "WEST 21"
61	STH 21, E. OF I-41, COVER EXISTING OH TYPE I SIGN AS SHOWN										1	1		COVER "WEST 21 - OMRO RD"
62	STH 21, E. OF I-41, PLACE IN FRONT OF RIGHT COLUMN OF SIGN BRIDGE S-70-107	MO 4-8	24"X12"	1	187	187								
	"	M 3-4	24"X12"	1	187	187								
	"	M 1-6	24"X24"	1	187	187								21
	"	MO 6-1	21"X21"	1	187	187								RIGHT
	PAGE SUBTOTALS			33		5,423	748	1,496	12	14		10	5	

* QUANTITY SHOWN ELSEWHERE

3

TRAFFIC CONTROL STH 21 DETOUR SIGN SUMMARY (CONTINUED)

6180-30-71 CATEGORY 0010

SIGN NO.	LOCATION	SIGN CODE	SIZE W X H	NUMBER IN SERVICE	APPROX. SERVICE PERIOD 187 DAYS	* 643.0900 SIGNS DAYS	* 643.0420 BARRICADES TYPE III DAYS	* 643.0705 WARNING LIGHTS TYPE A DAYS	* 643.1000 SIGNS FIXED MESSAGE SF	* 643.1050 PORTABLE CHANGEABLE MESSAGE SIGN EACH	NO OF CYCLES	643.0910 COVERING SIGNS TYPE I EACH	* 643.0920 COVERING SIGNS TYPE II EACH	REMARKS
63	STH 21, E. OF I-41, PLACE 300' E. OF I-41 RAMP INTERSECTION ON RIGHT SHOULDER	MO 4-8	24"X12"	1	187	187								
	"	M 3-4	24"X12"	1	187	187								
	"	M 1-6	24"X24"	1	187	187								21
	"	MO 5-1R	21"X21"	1	187	187								
64	STH 21, E. OF I-41, PLACE 300' E. OF I-41 RAMP INTERSECTION IN MEDIAN	MO 4-8	24"X12"	1	187	187								
	"	M 3-4	24"X12"	1	187	187								
	"	M 1-6	24"X24"	1	187	187								21
	"	MO 5-1R	21"X21"	1	187	187								
65	STH 21, E. OF I-41, PLACE 600' E. OF I-41 RAMP INTERSECTION ON RIGHT SHOULDER	FMS	66"X48"	1					22					SEE SIGN DETAIL SHEET
66	STH 21, E. OF I-41, PLACE 600' E. OF I-41 RAMP INTERSECTION IN MEDIAN	FMS	66"X48"	1					22					SEE SIGN DETAIL SHEET
67	STH 21, E. OF KOELLER ST, PLACE 200' E. OF KOELLER ST RAB INTERSECTION IN MEDIAN	W 20-2A	48"X48"	1	187	187								
68	STH 21, E. OF KOELLER ST, PLACE 200' E. OF KOELLER ST RAB INTERSECTION IN MEDIAN	W 20-2A	48"X48"	1	187	187								
69	I-41 OFF-RAMP TO STH 21, COVER EXISTING OH TYPE I SIGN AS SHOWN										1	1		COVER "WEST 21 - OMRO RD"
70	I-41 OFF-RAMP TO STH 21, COVER EXISTING D1-2 SIGN AS SHOWN										1		1	COVER ENTIRE SIGN
71	I-41, AT STH 21 EXIT, MODIFY/COVER EXISTING OH TYPE I SIGN AS SHOWN	FMS	48"X18"	1					6		1	1		"EAST", COVER "OMRO RD"
72	I-41, AT STH 21 EXIT, PLACE ON RIGHT SHOULDER IN FRONT OF SIGN CANTILEVER	MO 4-8	36"X18"	1	187	187								
	"	M 3-4	36"X18"	1	187	187								
	"	M 1-6	36"X36"	1	187	187								21
	"	MO 6-1	30"X30"	1	187	187								AHEAD
72A	I-41, S. OF STH 21, COVER EXISTING TYPE I GROUND MOUNT SIGN AS SHOWN										1	1		COVER ENTIRE SIGN
73	I-41, S. OF STH 21, PLACE IN MEDIAN 1000' S. OF STH 21 EXIT	MO 4-8	36"X18"	1	187	187								
	"	M 3-4	36"X18"	1	187	187								
	"	M 1-6	36"X36"	1	187	187								21
	"	MO 6-1	30"X30"	1	187	187								AHEAD
74	I-41, S. OF STH 21, PLACE ON RIGHT SHOULDER 1000' S. OF STH 21 EXIT	MO 4-8	36"X18"	1	187	187								
	"	M 3-4	36"X18"	1	187	187								
	"	M 1-6	36"X36"	1	187	187								21
	"	MO 6-1	30"X30"	1	187	187								AHEAD
75	I-41, S. OF STH 21, MODIFY/COVER EXISTING GROUND TYPE I SIGN AS SHOWN	FMS	48"X18"	1					6		1	1		"EAST", COVER "OMRO RD"
76	I-41, S. OF STH 21, PLACE 2000' S. OF STH 21 IN MEDIAN	FMS	132"X54"	1					49.5					SEE SIGN DETAIL SHEET
77	I-41, S. OF STH 21, PLACE 2000' S. OF STH 21 ON RIGHT SHOULDER	FMS	132"X54"	1					49.5					SEE SIGN DETAIL SHEET
78	I-41, S. OF STH 21, PLACE 3000' S. OF STH 21 IN MEDIAN	M 3-4	36"X18"	1	187	187								
	"	M 1-6	36"X36"	1	187	187								21
	"	W 20-2A	48"X48"	1	187	187								
79	I-41, S. OF STH 21, PLACE 3000' S. OF STH 21 ON RIGHT SHOULDER	M 3-4	36"X18"	1	187	187								
	"	M 1-6	36"X36"	1	187	187								21
	"	W 20-2A	48"X48"	1	187	187								
	PAGE SUBTOTALS			34		5,236	0	0	155	0		4	1	
	TOTAL 0010			**204**		**34,969**	**935**	**1,870**	**288**	**14**		**14**	**10**	

* QUANTITY SHOWN ELSEWHERE

TRAFFIC CONTROL STH 116 DETOUR SIGN SUMMARY

6180-30-71 CATEGORY 0010

SIGN NO.	LOCATION	SIGN CODE	SIZE W X H	NUMBER IN SERVICE	APPROX. SERVICE PERIOD 39 DAYS	* 643.0900 SIGNS DAYS	643.0420 BARRICADES TYPE III DAYS	* 643.0705 WARNING LIGHTS TYPE A DAYS	* 643.1000 FIXED MESSAGE SIGNS SF	* 643.1050 SIGNS PORTABLE CHANGEABLE MESSAGE DAYS	NO OF CYCLES	* 643.0920 COVERING SIGNS TYPE II EACH	REMARKS
1	STH 21, W. OF CTH K, PLACE 1/4 MILE W. OF CTH K INTERSECTION	W 20-2A	48"X48"	1	39	39							
2	STH 21, W. OF CTH K, PLACE 1000' W. OF CTH K INTERSECTION	FMS	84"X36"	1					21.0				SEE SIGN DETAIL SHEET
3	STH 21, W. OF CTH K, PLACE 500' W. OF CTH K INTERSECTION	MO 4-8	24"X12"	1	39	39							
	"	M 3-4	24"X12"	1	39	39							
	"	M 1-6	24"X24"	1	39	39							116
	"	MO 5-1R	21"X21"	1	39	39							
4	STH 21, AT CTH K, PLACE RIGHT OF EXISTING J13-1 SIGN AT CTH K	MO 4-8	24"X12"	1	39	39							
	"	M 3-4	24"X12"	1	39	39							
	"	M 1-6	24"X24"	1	39	39							116
	"	MO 6-1	21"X21"	1	39	39							RIGHT
5	STH 21, AT CTH K, PLACE JUST E. OF CTH K INTERSECTION ON RIGHT SHOULDER	R 11-3	60"X30"	1	39	39							5 MILES AHEAD
	"	M 4-9R	30"X24"	1	39	39							
6	STH 21, E. OF CTH K, PLACE RIGHT OF EXISTING J4-1 SIGN	MO 4-8	24"X12"	1	39	39							
	"	M 3-2	24"X12"	1	39	39							
	"	M 1-6	24"X24"	1	39	39							116
7	CTH K, S. OF STH 21, PLACE RIGHT OF EXISTING J13-1	MO 4-8	24"X12"	1	39	39							
	"	M 3-2	24"X12"	1	39	39							
	"	M 1-6	24"X24"	1	39	39							116
	"	MO 6-1	21"X21"	1	39	39							RIGHT
8	CTH K, S. OF STH 21, PLACE LEFT OF EXISTING J4-1 SIGN	MO 4-8	24"X12"	1	39	39							
	"	M 3-4	24"X12"	1	39	39							
	"	M 1-6	24"X24"	1	39	39							116
9	CTH K, S. OF STH 21, PLACE 500' S. OF STH 21 INTERSECTION	MO 4-8	24"X12"	1	39	39							
	"	M 3-2	24"X12"	1	39	39							
	"	M 1-6	24"X24"	1	39	39							116
	"	MO 5-1R	21"X21"	1	39	39							
10	CTH K, N. OF BELL SCHOOL RD, PLACE 250' N. OF BELL SCHOOL RD INTERSECTION	MO 4-8	24"X12"	1	39	39							
	"	M 3-4	24"X12"	1	39	39							
	"	M 1-6	24"X24"	1	39	39							116
	"	MO 6-1	21"X21"	1	39	39							AHEAD
11	CTH K, S. OF BELL SCHOOL RD, PLACE 250' S. OF BELL SCHOOL RD INTERSECTION	MO 4-8	24"X12"	1	39	39							
	"	M 3-2	24"X12"	1	39	39							
	"	M 1-6	24"X24"	1	39	39							116
	"	MO 6-1	21"X21"	1	39	39							AHEAD
12	CTH K, S. OF EUREKA LOCK RD, PLACE 750' S. OF EUREKA LOCK RD INTERSECTION	MO 4-8	24"X12"	1	39	39							
	"	M 3-4	24"X12"	1	39	39							
	"	M 1-6	24"X24"	1	39	39							116
	"	MO 5-1L	21"X21"	1	39	39							
13	CTH K, N. OF CTH E, PLACE RIGHT OF EXISTING J4-1 SIGN	MO 4-8	24"X12"	1	39	39							
	"	M 3-2	24"X12"	1	39	39							
	"	M 1-6	24"X24"	1	39	39							116
14	CTH K, AT CTH E, PLACE RIGHT OF EXISTING R1-1 SIGN	MO 4-8	24"X12"	1	39	39							
	"	M 3-4	24"X12"	1	39	39							
	"	M 1-6	24"X24"	1	39	39							116
	"	MO 6-1	21"X21"	1	39	39							LEFT
15	CTH K, AT CTH E, PLACE LEFT OF EXISTING J13-1 SIGN	MO 4-8	24"X12"	1	39	39							
	"	M 3-4	24"X12"	1	39	39							
	"	M 1-6	24"X24"	1	39	39							116
	"	MO 6-1	21"X21"	1	39	39							LEFT
	PAGE SUBTOTALS			49		1,872	0	0	21	0		0	

* QUANTITY SHOWN ELSEWHERE

TRAFFIC CONTROL STH 116 DETOUR SIGN SUMMARY (CONTINUED)

6180-30-71 CATEGORY 0010

SIGN NO.	LOCATION	SIGN CODE	SIZE W X H	NUMBER IN SERVICE	APPROX. SERVICE PERIOD 39 DAYS	* 643.0900 SIGNS DAYS	* 643.0420 BARRICADES TYPE III DAYS	* 643.0705 WARNING LIGHTS TYPE A DAYS	* 643.1000 FIXED MESSAGE SIGNS SF	* 643.1050 SIGNS PORTABLE CHANGEABLE MESSAGE DAYS	NO OF CYCLES	* 643.0920 COVERING SIGNS TYPE II EACH	REMARKS
16	CTH E, AT CTH K, PLACE RIGHT OF EXISTING J13-2 SIGN	MO 4-8	24"X12"	1	39	39							
	"	M 3-2	24"X12"	1	39	39							
	"	M 1-6	24"X24"	1	39	39							116
	"	MO 6-1	21"X21"	1	39	39							RIGHT
17	CTH E, N. OF CTH K, PLACE 250' N. OF CTH K INTERSECTION	MO 4-8	24"X12"	1	39	39							
	"	M 3-4	24"X12"	1	39	39							
	"	M 1-6	24"X24"	1	39	39							116
18	CTH E, N. OF CTH K, PLACE 750' N. OF CTH K INTERSECTION	MO 4-8	24"X12"	1	39	39							
	"	M 3-2	24"X12"	1	39	39							
	"	M 1-6	24"X24"	1	39	39							116
	"	MO 5-1R	21"X21"	1	39	39							
19	CTH E, W. OF MORROW RD, PLACE 250' W. OF MORROW RD INTERSECTION	MO 4-8	24"X12"	1	39	39							
	"	M 3-4	24"X12'	1	39	39							
	"	M 1-6	24"X24"	1	39	39							116
	"	MO 6-1	21"X21"	1	39	39							AHEAD
20	CTH E, E. OF MORROW RD, PLACE 250' E. OF MORROW RD INTERSECTION	MO 4-8	24"X12"	1	39	39							
	"	M 3-2	24"X12'	1	39	39							
	"	M 1-6	24"X24"	1	39	39							116
	"	MO 6-1	21"X21"	1	39	39							AHEAD
21	CTH E, W. OF SENN RD, PLACE 250' W. OF SENN RD INTERSECTION	MO 4-8	24"X12"	1	39	39							
	"	M 3-4	24"X12'	1	39	39							
	"	M 1-6	24"X24"	1	39	39							116
	"	MO 6-1	21"X21"	1	39	39							AHEAD
22	CTH E, E. OF SENN RD, PLACE 250' E. OF SENN RD INTERSECTION	MO 4-8	24"X12"	1	39	39							
	"	M 3-2	24"X12'	1	39	39							
	"	M 1-6	24"X24"	1	39	39							116
	"	MO 6-1	21"X21"	1	39	39							AHEAD
23	CTH E, S. OF STH 116, MODIFY EXISTING J1-1 SIGN AS SHOWN	M 4-8A	24"X18"	1	39	39							
24	2ND STREET RD, AT CTH E, PLACE RIGHT OF EXISTING R1-1 SIGN	MO 4-8	24"X12"	1	39	39							
	"	M 3-2	24"X12'	1	39	39							
	"	M 1-6	24"X24"	1	39	39							116
	"	MO 6-1	21"X21"	1	39	39							LEFT
25	STH 116, S. OF CTH E, PLACE 1/4 MILE S. OF CTH E INTERSECTION	W 20-2A	48"X48"	1	39	39							
26	STH 116, S. OF CTH E, PLACE 800' S. OF CTH E INTERSECTION	FMS	84"X36"	1					21.0				SEE SIGN DETAIL SHEET
27	STH 116, S. OF CTH E, PLACE 500' S. OF CTH E INTERSECTION	MO 4-8	24"X12"	1	39	39							
	"	M 3-2	24"X12'	1	39	39							
	"	M 1-6	24"X24"	1	39	39							116
	"	MO 5-1L	21"X21"	1	39	39							
28	STH 116, N. OF 2ND STREET RD, PLACE 100' N. OF 2ND STREET RD INTERSECTION	MO 4-8	24"X12"	1	39	39							
	"	M 3-2	24"X12'	1	39	39							
	"	M 1-6	24"X24"	1	39	39							116
	"	MO 6-1	21"X21"	1	39	39							AHEAD
29	STH 116, N. OF 2ND STREET RD, PLACE 500' N. OF 2ND STREET RD INTERSECTION	MO 4-8	24"X12"	1	39	39							
	"	M 3-2	24"X12"	1	39	39							
	"	M 1-6	24"X24"	1	39	39							116
	"	MO 6-1	21"X21"	1	39	39							AHEAD
30	STH 116, N. OF 2ND STREET RD, COVER EXISTING J2-2 SIGN AS SHOWN										1	1	COVER "EAST 116 ADV LT"
31	VACANT												
	PAGE SUBTOTALS			46		1,755	0	0	21	0		1	

* QUANTITY SHOWN ELSEWHERE

TRAFFIC CONTROL STH 116 DETOUR SIGN SUMMARY (CONTINUED)

6180-30-71 CATEGORY 0010

SIGN NO.	LOCATION	SIGN CODE	SIZE W X H	NUMBER IN SERVICE	APPROX. SERVICE PERIOD 39 DAYS	* 643.0900 SIGNS DAYS	643.0420 BARRICADES TYPE III DAYS	* 643.0705 WARNING LIGHTS TYPE A DAYS	* 643.1000 FIXED MESSAGE SIGNS SF	* 643.1050 SIGNS PORTABLE CHANGEABLE MESSAGE DAYS	NO OF CYCLES	* 643.0920 COVERING SIGNS TYPE II EACH	REMARKS
32	VACANT												
33	VACANT												
34	STH 21, E. OF STH 116, COVER EXISTING D1-3 AS SHOWN										1	1	COVER ENTIRE SIGN
35	STH 21, AT STH 116, COVER EXISTING J13-2 AS SHOWN										1	1	COVER ENTIRE SIGN
36	STH 21, AT STH 116, COVER EXISTING J3-3 AS SHOWN										1	1	COVER AS SHOWN
37	STH 116, AT STH 21, PLACE IN PARKING LANE FACING NORTH	R 11-2	48"X30"	1	39	39	39	78					
38	STH 21/STH 116, W. OF STH 116, PLACE ON RIGHT SHOULDER, FIELD DETERMINED	PCMS		1						7			PLACE IN ADVANCE OF FULL CLOSURE
39	STH 116, S. OF STH 21/STH 116 INTERSECTION, PLACE ON RIGHT SHOULDER, FIELD DETERMINED	PCMS		1						7			PLACE IN ADVANCE OF FULL CLOSURE
40	STH 116, E. OF STH 21, PLACE 1/4 MILE E. OF STH 21 INTERSECTION	W 20-2A	48"X48"	1	39	39							
41	STH 116, E. OF STH 21, COVER EXISTING D1-3 SIGN AS SHOWN				39	0					1	1	COVER "BERLIN-OSHKOSH"
42	STH 116, E. OF STH 21, MODIFY EXISTING J3-2 AS SHOWN	MO 4-8	24"X12"	1	39	39							
	"	MO 6-1	21"X21"	1	39	39							AHEAD
43	STH 21/STH 116, AT STH 21/STH 116 INTERSECTION, IN ROADWAY FACING NORTH	R 11-4	60"X30"	1	39	39	39	78					
	"	M 4-9R	30"X24"	1	39	39							
44	STH 21, W. OF STH 116, PLACE 250' W. OF STH 21/116 INTERSECTION	MO 4-8	24"X12"	1	39	39							
	"	M 3-4	24"X12"	1	39	39							
	"	M 1-6	24"X24"	1	39	39							116
45	STH 21, W. OF STH 116, COVER EXISTING J3-4 SIGN AS SHOWN										1	1	COVER AS SHOWN
46	STH 21, W. OF STH 116, COVER EXISITNG D1-3 SIGN AS SHOWN										1	1	COVER "OSHKOSH-BERLIN"
47	STH 21, W. OF STH 116, COVER EXISTING J2-3 SIGN AS SHOWN										1	1	COVER AS SHOWN
47A	STH 21, W. OF STH 116, MODIFY EXISTING J1-2 SIGN AS SHOWN	M 4-8A	24"X18"	1	39	39							
48	STH 21, E. OF BRODERICK RD, PLACE 250' E. OF BRODERICK RD INTERSECTION	MO 4-8	24"X12"	1	39	39							
	"	M 3-4	24"X12"	1	39	39							
	"	M 1-6	24"X24"	1	39	39							116
	"	MO 6-1	21"X21"	1	39	39							AHEAD
49	STH 21, W. OF BRODERICK RD, PLACE 250' W. OF BRODERICK RD INTERSECTION	MO 4-8	24"X12"	1	39	39							
	"	M 3-2	24"X12"	1	39	39							
	"	M 1-6	24"X24"	1	39	39							116
	"	MO 6-1	21"X21"	1	39	39							AHEAD
50	STH 21, E. OF POYGAN AVE, PLACE 250' E. OF POYGAN AVE INTERSECTION	MO 4-8	24"X12"	1	39	39							
	"	M 3-4	24"X12"	1	39	39							
	"	M 1-6	24"X24"	1	39	39							116
	"	MO 6-1	21"X21"	1	39	39							AHEAD
51	STH 21, W. OF POYGAN AVE, PLACE 250' W. OF POYGAN AVE INTERSECTION	MO 4-8	24"X12"	1	39	39							
	"	M 3-2	24"X12"	1	39	39							
	"	M 1-6	24"X24"	1	39	39							116
	"	MO 6-1	21"X21"	1	39	39							AHEAD
	PAGE SUBTOTALS			28		1,014	78	156	0	14		7	
	TOTAL 0010			**123**		**4,641**	**78**	**156**	**42**	**14**		**8**	

* QUANTITY SHOWN ELSEWHERE

3

COVERING SIGNS TYPE II

6180-30-71

CATEGORY	STATION	LOCATION	OFFSET	* 643.0920 COVERING SIGNS TYPE II EACH	REMARKS
0010	18+04	STH 21	RT	1	STAGE 1A
0010	24+92	STH 21	LT	1	STAGE 1A
0010	25+94	STH 21	RT	1	STAGE 1A
0010	34+99	STH 21	RT	1	STAGE 1A
0010	63+24	STH 21	RT	1	STAGE 1A
0010	13+79	STH 21	RT	1	STAGE 1B
0010	21+52	STH 21	RT	1	STAGE 1B
0010	30+73	STH 21	RT	1	STAGE 1B
0010	44+64	STH 21	RT	1	STAGE 1B
0010	38+30	STH 21	LT	1	STAGE 2A
0010	47+21	STH 21	LT	1	STAGE 2A
0010	34+77	STH 21	LT	1	STAGE 2B
0010	42+65	STH 21	LT	1	STAGE 2B
0010	50+55	STH 21	LT	1	STAGE 2B
0010	7+84	STH 21	LT	1	STAGE 3B
		TOTAL 0010		**15**	

* QUANTITY SHOWN ELSEWHERE

TEMPORARY MARKING LINE

6180-30-71

CATEGORY	STATION	TO	STATION	LOCATION		643.3165 TEMPORARY MARKING LINE PAINT 6-INCH LF	646.9000 MARKING LINE REMOVAL 4-INCH LF	REMARKS
0010	7+00	-	70+00	STH 21	LT	12,606	213	STAGE 1A/1B (DOUBLE YELLOW)
0010	7+00	-	70+00	STH 21	RT	12,604	-	STAGE 2A/2B (DOUBLE YELLOW)
0010	3+50	-	4+55	STH 21	LT	104	-	STAGE 3A (SINGLE YELLOW)
0010	11+98	-	13+06	STH 21	LT	109	-	STAGE 3A (SINGLE YELLOW)
0010	1+23	-	1+42	STH 21	LT	125	250	STAGE 3B (SINGLE YELLOW)
0010	8+59	-	11+76	STH 21	LT/RT	320	38	STAGE 3B (SINGLE YELLOW)
				TOTAL 0010		**25,868**	**501**	

SAWING

CATEGORY	STATION	LOCATION	* 690.0150 SAWING ASPHALT 6180-30-72 LF	690.0150 SAWING ASPHALT 6180-30-73 LF	* 690.0250 SAWING CONCRETE 6180-30-72 LF	690.0250 SAWING CONCRETE 6180-30-73 LF	REMARKS
0010	192+74	STH 21 'EB'	-		30		WEST ROUNDABOUT LIMIT
0010	210+24	STH 21 'EB'	-		30		EAST ROUNDABOUT LIMIT
0010	245+59	STH 21 'EB'	-	-	-	30	WEST ROUNDABOUT LIMIT
0010	263+41	STH 21 'EB'	-	-	-	30	EAST ROUNDABOUT LIMIT
0010	505+06	CTH FF 'NB'	22		-		SOUTH ROUNDABOUT LIMIT
0010	516+75	REIGHMOOR 'NB'	41		-		PRIVATE ENTRANCE
0010	520+53	REIGHMOOR 'NB'	22		-		NORTH ROUNDABOUT LIMIT
0010	600+03	SAND PIT 'NB'	-	22	-	-	SOUTH ROUNDABOUT LIMIT
0010	603+18	SAND PIT 'NB'	-	50	-	-	PRIVATE ENTRANCE
0010	612+87	SAND PIT 'NB'	-	22	-	-	NORTH ROUNDABOUT LIMIT
		SUBTOTAL	85	94	60	60	
		TOTAL 0010	**85**	**94**	**60**	**60**	

* QUANTITY SHOWN ELSEWHERE

3

PAVEMENT MARKING

						646.2020				646.2040						646.3020	646.4040	
						MARKING LINE EPOXY 6-INCH				MARKING LINE GROOVED WET REF EPOXY 6-INCH						MARKING LINE EPOXY 8-INCH	MARKING LINE GROOVED WET REF EPOXY 10-INCH	
						(WHITE)	(YELLOW)	(WHITE)	(YELLOW)	(WHITE)	(YELLOW)	(WHITE)	(YELLOW)	(WHITE)	(YELLOW)	(WHITE)	(WHITE)	
						6180-30-72		6180-30-73		6180-30-71		6180-30-72		6180-30-73		6180-30-71	6180-30-71	
CATEGORY	STATION	TO	STATION	LOCATION	OFFSET	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	REMARKS
0010	-	-	1+44	CTH F/STH 21	LT	-	-	-	-	-	392	-	-	-	-	-	-	DOUBLE CENTERLINE
0010	2+12	-	192+74	STH 21	LT/RT	-	-	-	-	24,293	16,045	-	-	-	-	-	1,343	
0010	210+23	-	245+54	STH 21	LT/RT	-	-	-	-	6,827	2,638	-	-	-	-	-	105	
0010	263+46	-	318+00	STH 21	LT/RT	-	-	-	-	10,908	2,238	-	-	-	-	-	-	
0010	2+40	-	22+30	STH 21	LT/RT	-	-	-	-	-	-	-	-	-	-	-	-	
0010	1+07	-	1+86	ADAMS AVE	RT	-	-	-	-	-	-	-	-	-	-	28	-	1 - TYPE 2 ARROW, 1 - TYPE 3 ARROW
0010	-	-	2+12	STH 21	LT	-	-	-	-	-	-	-	-	-	-	-	-	
0010	4+45	-	5+07	JEFFERSON AVE/STH 21	LT/RT	-	-	-	-	-	40	-	-	-	-	-	-	
0010	7+63	-	8+45	WEBSTER AVE/STH 21	LT/RT	-	-	-	-	-	-	-	-	-	-	-	-	TYPE 1 ARROWS
0010	-	-	8+75	STH 21	LT	-	-	-	-	-	-	-	-	-	-	-	-	
0010	-	-	11+05	STH 21	RT	-	-	-	-	-	-	-	-	-	-	-	-	
0010	13+16	-	13+85	MADISON AVE/STH 21	LT/RT	-	-	-	-	-	-	-	-	-	-	-	-	
0010	17+50	-	18+08	MONROE AVE	RT	-	-	-	-	-	-	-	-	-	-	-	-	
0010	21+14	-	21+56	QUINCY AVE	RT	-	-	-	-	-	-	-	-	-	-	-	-	
0010	-	-	22+20	STH 21	LT	-	-	-	-	-	-	-	-	-	-	-	-	
0010	24+79	-	25+26	SCOTT PARK DR/STH 21	LT/RT	-	-	-	-	-	-	-	-	-	-	-	-	
0010	25+50	-	25+96	JACKSON AVE	RT	-	-	-	-	-	-	-	-	-	-	-	-	
0010	30+19	-	30+81	VAN BUREN AVE	RT	-	-	-	-	-	-	-	-	-	-	-	-	
0010	34+54	-	35+02	HARRISON AVE	RT	-	-	-	-	-	-	-	-	-	-	-	-	
0010	34+69	-	35+46	MAPLEWOOD RD (WEST)	LT	-	-	-	-	-	-	-	-	-	-	-	-	
0010	38+26	-	38+91	MAPLEWOOD RD (EAST)	LT	-	-	-	-	-	-	-	-	-	-	-	-	
0010	44+16	-	44+68	MCKINLEY AVE	RT	-	-	-	-	-	-	-	-	-	-	-	-	
0010	47+65	-	47+73	STH 21	LT/RT	-	-	-	-	-	-	-	-	-	-	-	-	
0010	192+74	-	200+89	STH 21 'EB'	LT/RT	-	-	-	-	-	-	1,416	2,321	-	-	-	-	WEST ROUNDABOUT APPROACH
0010	202+26	-	210+24	STH 21 'EB'	LT/RT	-	-	-	-	-	-	1,387	2,291	-	-	-	-	EAST ROUNDABOUT APPROACH
0010	245+59	-	254+36	STH 21 'EB'	LT/RT	-	-	-	-	-	-	-	-	1,543	2,465	-	-	WEST ROUNDABOUT APPROACH
0010	255+68	-	263+41	STH 21 'EB'	LT/RT	-	-	-	-	-	-	-	-	1,316	2,191	-	-	EAST ROUNDABOUT APPROACH
0010	500+06	-	512+33	CTH FF 'NB'	LT/RT	2,212	3,019	-	-	-	-	-	-	-	-	-	-	SOUTH ROUNDABOUT APPROACH
0010	513+56	-	525+53	REIGHMOOR 'NB'	LT/RT	2,163	3,232	-	-	-	-	-	-	-	-	-	-	NORTH ROUNDABOUT APPROACH
0010	595+03	-	604+78	SAND PIT 'NB'	LT/RT	-	-	1,758	2,488	-	-	-	-	-	-	-	-	SOUTH ROUNDABOUT APPROACH
0010	606+10	-	617+87	SAND PIT 'NB'	LT/RT	-	-	2,068	2,787	-	-	-	-	-	-	-	-	NORTH ROUNDABOUT APPROACH
				SUBTOTAL		4,375	6,251	3,826	5,275	42,028	21,353	2,803	4,612	2,859	4,656	28	1,448	
				TOTAL 0010		**10,626**		**9,101**		**63,381**		**7,415**		**7,515**		**28**	**1,448**	

3

PAVEMENT MARKING (CONTINUED)

						646.5020	646.5120	646.5220	646.6120	646.6320		646.7120		646.7420	646.8320	
						MARKING ARROW EPOXY (WHITE)	MARKING WORD EPOXY (NO PARKING) (WHITE)	MARKING SYMBOL EPOXY (HANDICAP) (WHITE)	MARKING STOP LINE EPOXY 18-INCH (WHITE)	MARKING DOTTED EXTENSION LINE EPOXY 18-INCH (WHTE)		MARKING DIAGONAL EPOXY 12-INCH (YELLOW)		MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WIHTE)	MARKING PARKING STALL EPOXY (WHITE)	
CATEGORY	STATION	TO	STATION	LOCATION	OFFSET	6180-30-71 EACH	6180-30-71 EACH	6180-30-71 EACH	6180-30-71 LF	6180-30-72 LF	6180-30-73 LF	6180-30-72 LF	6180-30-73 LF	6180-30-71 LF	6180-30-71 LF	REMARKS
0010	-	-	1+44	CTH F/STH 21	LT	-	-	-	-	-	-	-	-	-	-	DOUBLE CENTERLINE
0010	2+12	-	192+74	STH 21	LT/RT	-	-	-	-	-	-	-	-	-	-	
0010	210+23	-	245+54	STH 21	LT/RT	-	-	-	-	-	-	-	-	-	-	
0010	263+46	-	318+00	STH 21	LT/RT	-	-	-	-	-	-	-	-	-	-	
0010	2+40	-	22+30	STH 21	LT/RT	-	-	-	-	-	-	-	-	-	201	
0010	1+07	-	1+86	ADAMS AVE	RT	2	-	-	21	-	-	-	-	131	-	1 - TYPE 2 ARROW, 1 - TYPE 3 ARROW
0010	-	-	2+12	STH 21	LT	-	-	-	25	-	-	-	-	-	-	
0010	4+45	-	5+07	JEFFERSON AVE/STH 21	LT/RT	-	-	-	20	-	-	-	-	210	-	
0010	7+63	-	8+45	WEBSTER AVE/STH 21	LT/RT	2	2	1	-	-	-	-	-	219	34	TYPE 1 ARROWS
0010	-	-	8+75	STH 21	LT	-	-	1	-	-	-	-	-	-	-	
0010	-	-	11+05	STH 21	RT	-	-	1	-	-	-	-	-	-	-	
0010	13+16	-	13+85	MADISON AVE/STH 21	LT/RT	-	-	-	-	-	-	-	-	310	-	
0010	17+50	-	18+08	MONROE AVE	RT	-	-	-	-	-	-	-	-	102	-	
0010	21+14	-	21+56	QUINCY AVE	RT	-	-	-	-	-	-	-	-	72	-	
0010	-	-	22+20	STH 21	LT	-	-	1	-	-	-	-	-	-	-	
0010	24+79	-	25+26	SCOTT PARK DR/STH 21	LT/RT	-	-	-	-	-	-	-	-	135	-	
0010	25+50	-	25+96	JACKSON AVE	RT	-	-	-	-	-	-	-	-	84	-	
0010	30+19	-	30+81	VAN BUREN AVE	RT	-	-	-	-	-	-	-	-	103	-	
0010	34+54	-	35+02	HARRISON AVE	RT	-	-	-	-	-	-	-	-	93	-	
0010	34+69	-	35+46	MAPLEWOOD RD (WEST)	LT	-	-	-	-	-	-	-	-	120	-	
0010	38+26	-	38+91	MAPLEWOOD RD (EAST)	LT	-	-	-	-	-	-	-	-	121	-	
0010	44+16	-	44+68	MCKINLEY AVE	RT	-	-	-	-	-	-	-	-	93	-	
0010	47+65	-	47+73	STH 21	LT/RT	-	-	-	-	-	-	-	-	100	-	
0010	192+74	-	200+89	STH 21 'EB'	LT/RT	-	-	-	-	18	-	94	-	-	-	WEST ROUNDABOUT APPROACH
0010	202+26	-	210+24	STH 21 'EB'	LT/RT	-	-	-	-	16	-	99	-	-	-	EAST ROUNDABOUT APPROACH
0010	245+59	-	254+36	STH 21 'EB'	LT/RT	-	-	-	-	-	18	-	93	-	-	WEST ROUNDABOUT APPROACH
0010	255+68	-	263+41	STH 21 'EB'	LT/RT	-	-	-	-	-	18	-	86	-	-	EAST ROUNDABOUT APPROACH
0010	500+06	-	512+33	CTH FF 'NB'	LT/RT	-	-	-	-	16	-	72	-	-	-	SOUTH ROUNDABOUT APPROACH
0010	513+56	-	525+53	REIGHMOOR 'NB'	LT/RT	-	-	-	-	18	-	194	-	-	-	NORTH ROUNDABOUT APPROACH
0010	595+03	-	604+78	SAND PIT 'NB'	LT/RT	-	-	-	-	-	18	-	99	-	-	SOUTH ROUNDABOUT APPROACH
0010	606+10	-	617+87	SAND PIT 'NB'	LT/RT	-	-	-	-	-	18	-	50	-	-	NORTH ROUNDABOUT APPROACH
				SUBTOTAL		4	2	4	66	68	72	459	328	1,893	235	
				TOTAL 0010		**4**	**2**	**4**	**66**	**68**	**72**	**459**	**328**	**1,893**	**235**	

CONSTRUCTION STAKING

					650.4500		650.5000		650.8000	650.8501	650.8501	650.9500	650.9911	650.9911	650.9911	650.9920		
					CONSTRUCTION STAKING SUBGRADE		CONSTRUCTION STAKING BASE		CONSTRUCTION STAKING RESURFACING REFERENCE	CONSTRUCTION STAKING ELECTRICAL INSTALLATIONS (PROJECT) 01. 6180-30-72	CONSTRUCTION STAKING ELECTRICAL INSTALLATIONS (PROJECT) 02. 6180-30-73	CONSTRUCTION STAKING SIDEWALK (PROJECT) 01. 6180-30-71	CONSTRUCTION STAKING SUPPLEMENTAL CONTROL (PROJECT) 01. 6180-30-71	CONSTRUCTION STAKING SUPPLEMENTAL CONTROL (PROJECT) 02. 6180-30-72	CONSTRUCTION STAKING SUPPLEMENTAL CONTROL (PROJECT) 03. 6180-30-73	CONSTRUCTION STAKING SLOPE STAKES		
					6180-30-72	6180-30-73	6180-30-72	6180-30-73	6180-30-71	6180-30-72	6180-30-73	6180-30-71	6180-30-71	6180-30-72	6180-30-73	6180-30-72	6180-30-73	
CATEGORY	STATION	TO	STATION	LOCATION	OFFSET	LF	LF	LF	LF	LF	EACH	EACH	EACH	EACH	EACH	EACH	LF	LF	REMARKS
0010	0+81	-	65+25	STH 21	LT/RT	-	-	-	-	6,444	-	-	-	-	-	-	-	-	
0010	192+74	-	200+89	STH 21 'EB'	LT/RT	815	-	815	-	-	-	-	-	-	-	-	815	-	CTH FF/REIGHMOOR ROUNDABOUT
0010	202+25	-	210+24	STH 21 'EB'	LT/RT	799	-	799	-	-	-	-	-	-	-	-	799	-	CTH FF/REIGHMOOR ROUNDABOUT
0010	245+36	-	263+41	STH 21 'EB'	LT/RT	-	877	-	877	-	-	-	-	-	-	-	-	877	SAND PIT ROUNDABOUT
0010	255+68	-	263+41	STH 21 'EB'	LT/RT	-	773	-	773	-	-	-	-	-	-	-	-	773	SAND PIT ROUNDABOUT
0010	397+15	-	405+28	STH 21 'WB'	LT/RT	813	-	813	-	-	-	-	-	-	-	-	813	-	CTH FF/REIGHMOOR ROUNDABOUT
0010	406+65	-	414+65	STH 21 'WB'	LT/RT	800	-	800	-	-	-	-	-	-	-	-	800	-	CTH FF/REIGHMOOR ROUNDABOUT
0010	350+00	-	358+75	STH 21 'WB'	LT/RT	-	875	-	875	-	-	-	-	-	-	-	-	875	SAND PIT ROUNDABOUT
0010	360+07	-	367+80	STH 21 'WB'	LT/RT	-	773	-	773	-	-	-	-	-	-	-	-	773	SAND PIT ROUNDABOUT
0010	505+06	-	512+23	CTH FF 'NB'	LT/RT	717	-	717	-	-	-	-	-	-	-	-	717	-	CTH FF/REIGHMOOR ROUNDABOUT
0010	605+06	-	612+23	CTH FF 'SB'	LT/RT	717	-	717	-	-	-	-	-	-	-	-	717	-	CTH FF/REIGHMOOR ROUNDABOUT
0010	513+56	-	520+53	REIGHMOOR 'NB'	LT/RT	697	-	697	-	-	-	-	-	-	-	-	697	-	CTH FF/REIGHMOOR ROUNDABOUT
0010	613+54	-	620+52	REIGHMOOR 'NB'	LT/RT	698	-	698	-	-	-	-	-	-	-	-	698	-	CTH FF/REIGHMOOR ROUNDABOUT
0010	600+03	-	604+78	SAND PIT 'NB'	LT/RT	-	475	-	475	-	-	-	-	-	-	-	-	475	SAND PIT ROUNDABOUT
0010	606+10	-	612+87	SAND PIT 'NB'	LT/RT	-	677	-	677	-	-	-	-	-	-	-	-	677	SAND PIT ROUNDABOUT
0010	800+03	-	804+78	SAND PIT 'SB'	LT/RT	-	475	-	475	-	-	-	-	-	-	-	-	475	SAND PIT ROUNDABOUT
0010	806+10	-	812+88	SAND PIT 'SB'	LT/RT	-	678	-	678	-	-	-	-	-	-	-	-	678	SAND PIT ROUNDABOUT
0010	20+00	-	23+24	RA1	LT/RT	324	-	324	-	-	-	-	-	-	-	-	324	-	CTH FF/REIGHMOOR ROUNDABOUT
0010	10+00	-	13+14	RA2	LT/RT	-	314	-	314	-	-	-	-	-	-	-	-	314	SAND PIT ROUNDABOUT
				PROJECT		-	-	-	-	-	1	1	1	1	1	1	-	-	
				SUBTOTAL		6,380	5,917	6,380	5,917	6,444	1	1	1	1	1	1	6,380	5,917	
				TOTAL 0010		**6,380**	**5,917**	**6,380**	**5,917**	**6,444**	**1**	**1**	**0**	**1**	**1**	**1**	**6,380**	**5,917**	
				TOTAL 0020		**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**0**	**0**	**0**	**0**	**0**	

REMOVING SIGN, FOUNDATION, AND VARIOUS ITEMS - PARCEL 37

		6180-30-73
		SPV.0060.08
		REMOVING SIGN, FOUNDATION, AND VARIOUS ITEMS - PARCEL 37
CATEGORY	LOCATION	EACH
0010	SW QUADRANT SAND PIT ROAD ROUNDABOUT	1
	TOTAL 0010	**1**

3

CONDUIT RIGID NONMETTALIC SCHEDULE 40

6180-30-72
CATEGORY 0010

		*
LOCATION		652.0225
STH 21 & CTH FF		2-INCH
FROM	TO	LF
CB1	PB1	21
PB1	LB1	20
LB1	LB9	175
LB9	LB10	170
PB1	PB2	81
PB2	LB2	15
PB2	PB3	93
PB3	LB3	15
LB3	LB11	145
LB11	LB12	155
PB3	PB4	55
PB4	LB4	26
PB4	PB5	95
PB5	LB5	27
LB5	LB13	165
LB13	LB14	160
PB5	PB6	70
PB6	LB6	20
PB6	PB7	90
PB7	LB7	10
LB7	LB15	130
LB15	LB16	145
PB7	PB8	90
PB8	LB8	25
PB8	CB1	55
	TOTAL	**2,053**

* QUANTITY SHOWN ELSEWHERE

COONCRETE BASES

6180-30-72
CATEGORY 0010

	*	*
	654.0105	654.0220
		CONTROL
		CABINET
	TYPE 5	NER TYPE 10
LOCATION	EACH	EACH
STH 21 & CTH FF	16	1
TOTAL	**16**	**1**

* QUANTITY SHOWN ELSEWHERE

ELECTRICAL WIRE LIGHTING 10AWG

6180-30-72
CATEGORY 0010

		*
LOCATION		655.0615
STH 21 & CTH FF		EQUIPMENT
		GROUNDING
(240 VOLT SYSTEM)		CONDUCTOR
		(Green)
FROM	TO	LF
CB1	LB1	79
LB1	LB9	191
LB9	LB10	186
LB1	LB2	162
LB2	LB3	169
LB3	LB11	161
LB11	LB12	171
LB3	LB4	142
LB4	LB5	194
LB5	LB13	181
LB13	LB14	176
LB5	LB6	163
LB6	LB7	166
LB7	LB15	146
LB15	LB16	161
LB7	LB8	171
LB8	CB1	118
	TOTAL	**2,737**

* QUANTITY SHOWN ELSEWHERE

ELECTRICAL WIRE LIGHTING

6180-30-72
CATEGORY 0010

			10AWG	**12AWG**	
			*	*	*
LOCATION			655.0615	655.0610	655.0610
STH 21 & CTH FF					EQUIPMENT
			UNGROUNDED	UNGROUNDED	GROUNDING
(240 VOLT SYSTEM)			CONDUCTOR	CONDUCTOR	CONDUCTOR
			(SEE CIRCUIT COLOR)	**(BLACK)/(RED)**	**(GREEN)**
CIRCUIT	FROM	TO	LF	LF	LF
A	CB1	LB1	158		
(BLACK)	LB1	LUMINARIES		100	50
	LB1	LB9	382		
	LB9	LUMINARIES		100	50
	LB9	LB10	372		
	LB10	LUMINARIES		100	50
	CB1	LB8	236		
	LB8	LUMINARIES		100	50
B	CB1	LB2	340		
(RED)	LB2	LUMINARIES		100	50
	LB2	LB3	338		
	LB3	LUMINARIES		100	50
	LB3	LB11	322		
	LB11	LUMINARIES		100	50
	LB11	LB12	342		
	LB12	LUMINARIES		100	50
C	CB1	LB4	718		
(BLUE)	LB4	LUMINARIES		100	50
	LB4	LB5	388		
	LB5	LUMINARIES		100	50
	LB5	LB13	362		
	LB13	LUMINARIES		100	50
	LB13	LB14	352		
	LB14	LUMINARIES		100	50
D	CB1	LB7	416		
(BROWN)	LB7	LUMINARIES		100	50
	LB7	LB6	332		
	LB6	LUMINARIES		100	50
	LB7	LB15	292		
	LB15	LUMINARIES		100	50
	LB15	LB16	322		
	LB16	Luminaires		100	50
		SUB-TOTALS	5,672	1,600	800
		TOTAL	**5,672**	**2,400**	

* QUANTITY SHOWN ELSEWHERE

LIGHTING SUMMARY

6180-30-72
CATEGORY 0010

	*	*	*	*
	657.0255	657.0322	657.0710	659.1120
	TRANSFORMER BASES		LUMINAIRE ARMS	
	BREAKAWAY	POLES	TRUSS TYPE	LUMINAIRES
	11 1/2-INCH	TYPE 5	4 1/2-INCH CLAMP	UTILITY
	BOLT CIRCLE	(ALUMINUM)	12-FT	LED-B
LOCATION	EACH	EACH	EACH	EACH
STH 21 & CTH FF	16	16	16	16
TOTAL	**16**	**16**	**16**	**16**

* QUANTITY SHOWN ELSEWHERE

PULL BOXES, NON-CONDUCTIVE

6180-30-72
CATEGORY 0010

	*
	653.0164
	24x42-INCH
LOCATION	EACH
STH 21 & CTH FF	8
TOTAL	**8**

* QUANTITY SHOWN ELSEWHERE

ELECTRIC SERVICE

6180-30-72
CATEORY 0010

	656.0201
	METER BREAKER PEDESTAL
LOCATION	EACH
STH 21 & CTH FF/REIGHMOOR RD	1
TOTAL	**1**

3

CONDUIT RIGID NONMETTALIC SCHEDULE 40

6180-30-73
CATEGORY 0010

		*
LOCATION		652.0225
STH 21 & SAND PIT		2-INCH
FROM	TO	LF
CB1	PB1	15
PB1	LB1	37
LB1	LB9	204
LB9	LB10	200
PB1	PB2	85
PB2	LB2	13
PB2	PB3	89
PB3	LB3	27
LB3	LB11	160
LB11	LB12	144
PB3	PB4	56
PB4	LB4	16
PB4	PB5	94
PB5	LB5	10
LB5	LB13	178
LB13	LB14	178
PB5	PB6	70
PB6	LB6	25
PB6	PB7	108
PB7	LB7	24
LB7	LB15	149
PB7	PB8	58
PB8	LB8	16
PB8	CB1	43
	TOTAL	**1,999**

* QUANTITY SHOWN ELSEWHERE

CONCRETE BASES

6180-30-73
CATEGORY 0010

	*	*
	654.0105	654.0220
		CONTROL
		CABINET
	TYPE 5	NER TYPE 10
LOCATION	EACH	EACH
STH 21 & SAND PIT	15	1
TOTAL	**15**	**1**

* QUANTITY SHOWN ELSEWHERE

ELECTRICAL WIRE LIGHTING 10AWG

6180-30-73
CATEGORY 0010

		*
LOCATION		655.0615
STH 21 & SAND PIT		EQUIPMENT
		GROUNDING
(240 VOLT SYSTEM)		CONDUCTOR
		(GREEN)
FROM	TO	LF
CB1	LB1	90
LB1	LB9	220
LB9	LB10	216
LB1	LB2	181
LB2	LB3	175
LB3	LB11	176
LB11	LB12	160
LB3	LB4	145
LB4	LB5	166
LB5	LB13	194
LB13	LB14	194
LB5	LB6	151
LB6	LB7	203
LB7	LB15	165
LB7	LB8	144
LB8	CB1	97
	TOTAL	**2,677**

* QUANTITY SHOWN ELSEWHERE

ELECTRICAL WIRE LIGHTING

6180-30-73
CATEGORY 0010

			10AWG	**12AWG**	
			*	*	*
LOCATION			655.0615	655.0610	655.0610
STH 21 & SAND PIT					EQUIPMENT
			UNGROUNDED	UNGROUNDED	GROUNDING
(240 VOLT SYSTEM)			CONDUCTOR	CONDUCTOR	CONDUCTOR
			(SEE CIRCUIT COLOR)	**(BLACK)/(RED)**	**(GREEN)**
CIRCUIT	FROM	TO	LF	LF	LF
A	CB1	LB1	180		
(BLACK)	LB1	LUMINAIRES		100	50
	LB1	LB9	440		
	LB9	LUMINAIRES		100	50
	LB9	LB10	432		
	LB10	LUMINAIRES		100	50
	CB1	LB8	194		
	LB8	LUMINAIRES		100	50
B	CB1	LB2	332		
(RED)	LB2	LUMINAIRES		100	50
	LB2	LB3	350		
	LB3	LUMINAIRES		100	50
	LB3	LB11	352		
	LB11	LUMINAIRES		100	50
	LB11	LB12	320		
	LB12	LUMINAIRES		100	50
C	CB1	LB4	688		
(BLUE)	LB4	LUMINAIRES		100	50
	LB4	LB5	300		
	LB5	LUMINAIRES		100	50
	LB5	LB13	388		
	LB13	LUMINAIRES		100	50
	LB13	LB14	388		
	LB14	LUMINAIRES		100	50
D	CB1	LB7	356		
(BROWN)	LB7	LUMINAIRES		100	50
	LB7	LB6	406		
	LB6	LUMINAIRES		100	50
	LB7	LB15	330		
	LB15	LUMINAIRES		100	50
		SUB-TOTALS	5,456	1,500	750
		TOTAL	**5,456**	**2,250**	

* QUANTITY SHOWN ELSEWHERE

LIGHTING SUMMARY

6180-30-73
CATEGORY 0010

	*	*	*	*
	657.0255	657.0322	657.0710	659.1120
	TRANSFORMER BASES		LUMINAIRE ARMS	
	BREAKAWAY	POLES	TRUSS TYPE	LUMINAIRES
	11 1/2-INCH	TYPE 5	4 1/2-INCH CLAMP	UTILITY
	BOLT CIRCLE	(ALUMINUM)	12-FT	LED-B
LOCATION	EACH	EACH	EACH	EACH
STH 21 & SAND PIT	15	15	15	15
TOTAL	**15**	**15**	**15**	**15**

* QUANTITY SHOWN ELSEWHERE

PULL BOXES, NON-CONDUCTIVE

6180-30-73
CATEGORY 0010

	*
	653.0164
	24x42-INCH
LOCATION	EACH
STH 21 & SAND PIT	8
TOTAL	**8**

* QUANTITY SHOWN ELSEWHERE

ELECTRIC SERVICE

6180-30-73
CATEGORY 0010

	656.0201
	METER BREAKER PEDESTAL
LOCATION	EACH
STH 21 & SAND PIT RD INTERSECTION	1
TOTAL	**1**

CONVENTIONAL SYMBOLS

SECTION LINE
QUARTER LINE
SIXTEENTH LINE
NEW REFERENCE LINE
NEW R/W LINE
EXISTING R/W OR HE LINE
PROPERTY LINE (P.L.)
LOT, TIE & OTHER MINOR LINES
SLOPE INTERCEPT
CORPORATE LIMITS
UNDERGROUND FACILITY (COMMUNICATIONS, ELECTRIC, ETC) (W (TYPE))
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
R/W MONUMENT (TO BE SET)
NON-MONUMENTED R/W POINT
FOUND IRON PIN (1-INCH UNLESS NOTED) IP
GEODETIC SURVEY MONUMENT
SIXTEENTH CORNER MONUMENT
SIGN
OFF-PREMISE SIGN (#1-25)

	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 UTILITY SYMBOLS

WATER	W
GAS	G
TELEPHONE	T
OVERHEAD TRANSMISSION LINES	OH
ELECTRIC	E
CABLE TELEVISION	TV
FIBER OPTIC	FO
SANITARY SEWER	SAN
STORM SEWER	SS
ELECTRIC TOWER	☒

CONVENTIONAL ABBREVIATIONS

ACCESS RIGHTS	AR	POINT OF COMPOUND CURVE	PCC
ACRES	AC	POINT OF INTERSECTION	PI
AHEAD	AH	PROPERTY LINE	PL
ALUMINUM	ALUM	RECORDED AS	(100')
AND OTHERS	ET AL	REEL / IMAGE	R/I
BACK	BK	REFERENCE LINE	R/L
BLOCK	BLK	REMAINING	REM
CENTERLINE	C/L	RESTRICTIVE DEVELOPMENT EASEMENT	RDE
CERTIFIED SURVEY MAP	CSM	RIGHT	RT
CONCRETE	CONC	RIGHT OF WAY	R/W
COUNTY	CO	SECTION	SEC
COUNTY TRUNK HIGHWAY	CTH	SEPTIC VENT	SEPV
DISTANCE	DIST	SQUARE FEET	SF
CORNER	COR	STATE TRUNK HIGHWAY	STH
DOCUMENT NUMBER	DOC	STATION	STA
EASEMENT	EASE	TELEPHONE PEDESTAL	TP
EXISTING	EX	TEMPORARY LIMITED EASEMENT	TLE
GAS VALVE	GV	TRANSPORTATION PROJECT PLAT	TPP
GRID NORTH	GN	UNITED STATES HIGHWAY	USH
HIGHWAY EASEMENT	HE	VOLUME	V
IDENTIFICATION	ID		
LAND CONTRACT	LC		
LEFT	LT		
MONUMENT	MON		
NATIONAL GEODETIC SURVEY	NGS		
NUMBER	NO		
OUTLOT	OL		
PAGE	P		
POINT OF TANGENCY	PT		
PERMANENT LIMITED EASEMENT	PLE		
POINT OF BEGINNING	POB		
POINT OF CURVATURE	PC		

CURVE DATA ABBREVIATIONS

LONG CHORD	LCH
LONG CHORD BEARING	LCB
RADIUS	R
DEGREE OF CURVE	D
CENTRAL ANGLE	Δ /DELTA
LENGTH OF CURVE	L
TANGENT	T
DIRECTION AHEAD	DA
DIRECTION BACK	DB

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), WINNEBAGO COUNTY, NAD83 (2011) IN US 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 WILL BE TYPE 2 (TYPICALLY 1" X 24" IRON PIPES), UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

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.

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.

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.

FOR THE CURRENT ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN GREEN BAY. EXISTING ACCESS RESTRICTIONS SHOWN PER PREVIOUS PLAT NUMBERS 6184-03-21 AND 6184-03-22.

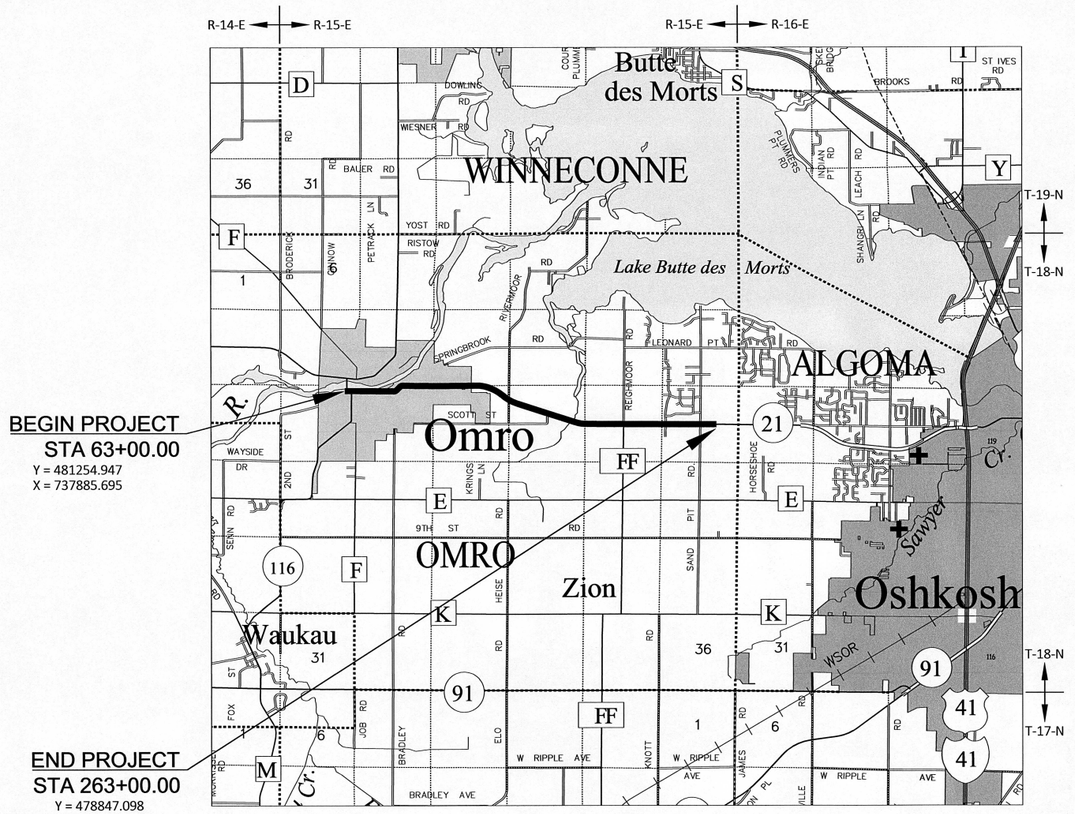
PARCEL AND UTILITY IDENTIFICATION NUMBERS MAY NOT POINT TO ALL AREAS OF ACQUISITION, AS NOTED ON THE DETAIL PAGES.

INFORMATION FOR THE BASIS OF EXISTING HIGHWAY RIGHT-OF-WAY POINTS OF REFERENCE AND ACCESS CONTROL ARE LISTED ON THE DETAIL SHEETS.

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, 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.



TOTAL NET LENGTH OF CENTERLINE = 3.788 MI

R/W PROJECT NUMBER	SHEET NUMBER	TOTAL SHEETS
6180-30-21		
CONSTRUCTION PROJECT NUMBER 6180-30-71/72/73	4.01	15

PLAT OF RIGHT OF WAY REQUIRED FOR

OMRO - OSHKOSH
STH 116 - LEONARD POINT ROAD

STH 21	WINNEBAGO COUNTY

THIS PLAT IS A GRAPHIC REPRESENTATION AND IS FOR REFERENCE PURPOSES ONLY. DEEDS MUST BE CHECKED TO DETERMINE PROPERTY BOUNDARIES AND ACCESS RIGHTS.

ORIGINAL PLANS PREPARED BY

GRAEF
116 S ADAMS STREET, SUITE 201
GREEN BAY, WI 54301

WISCONSIN TROY M. COLLINS S-2995 GREEN BAY, WI LAND SURVEYOR

6-30-23 (Date) (Signature)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

REVISION DATE

APPROVED FOR THE DEPARTMENT

DATE: _____ _____ (Signature)

_____ (Printed Name)

SECTION LINE
2019.54'
N89°52'24"W
2635.33'
384.67'
231.12'

T 18 N
R 15 E
7 7
18 18

800
FOUND LEANING BERNTSEN MON.
POSITION PER SECTION SUMMARY
Y=481659.232
X=736052.851

T 18 N
R 15 E
7 8
18 17

506
FOUND CHISELED CROSS
Y=481653.406
X=738688.175

-OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT.

-ALL AREAS SHOWN IN SQUARE FEET UNLESS OTHERWISE NOTED. THE PURPOSE FOR ALL TLE'S IS FOR SLOPING AND GRADING UNLESS OTHERWISE NOTED.

-AREA FIGURES ARE REFERENCED TO THIS SHEET ONLY.

STH 21
(SPRUCE ST.)
-R/W VARIES-

CITY

LOT 2
VOL. 1 CSM PG. 6737
DOC. #1639798

402.37'
S00°47'44"W
406.87'

145.7' ±

GOV. LOT 1

BEGIN PROJECT
STA 63+00.00
Y = 481254.947
X = 737885.695

63+00 64+00 65+00 66+00 67+00 68+00 69+00

S89°12'16"E = R/L
S89°27'51"E = R/L

PI: 68+65.77
Y: 481247.090
X: 738451.410

MATCHLINE STA. 69+00
SEE SHEET 4.03

33' 34.08' VARIES

SCHEDULE OF LANDS & INTERESTS REQUIRED

PARCEL NUMBER	OWNER(S)	INTEREST(S) REQUIRED	FEE R/W REQUIRED S.F.			TLE S.F.
			NEW	EXISTING	TOTAL	
1	BY FATE II LLC, A WISCONSIN LIMITED LIABILITY COMPANY	FEE	60	-	60	-
2	AMERICAN BANK	FEE & TLE	3	-	3	83
3	TANNERS BAR AND GRILL INC	TLE	-	-	-	268
4	CITY OF OMRO, A WISCONSIN MUNICIPALITY	TLE	-	-	-	441

UTILITY INTERESTS REQUIRED

UTILITY NUMBER	UTILITY OWNERS	INTEREST REQUIRED	RECORDED EASEMENTS	PARCEL
100	ALLIANT ENERGY - GAS	RELEASE OF RIGHTS	NO EASEMENT OF RECORD	3

BASIS OF EXISTING RIGHT-OF-WAY

ROUTE	BASIS
STH 21	CSM #2852, CSM #6737, CSM #7567, PLAT OF SURVEY DATED 11-8-05
ADAMS AVENUE	CSM #2852
JEFFERSON AVENUE	CSM #7567

9 8 7 7 6 5 4

PLAT OF SURVEY
PLS NO. 2333
DATED 11-8-05

WESTERN ADDITION

FACE OF BLD. ON NORTH LINE OF T.L.E.

LOT 1
VOL. 1 CSM PG. 1577
DOC. #659133

T.L.E. (131 S.F.)
T.L.E. (137 S.F.)
5.80'
6.50'

STH 21
(W. MAIN ST.)
-R/W VARIES-

OF

LOT 1
VOL. 1 CSM PG. 2852
DOC. #865975

ADAMS AVE.

JEFFERSON AVE.

WESTERN ADDITION

PART OF LOT 31

WESTERN ADDITION

66'

29 30

OMRO

SEE DETAIL 1

DETAIL 1
1"=10'

10.0'

COURSE TABLE

FROM PT	TO PT	BEARING	DISTANCE
REFERENCE LINE TIES			
701	702	S89° 12' 16"E	241.00'
702	703	S89° 12' 16"E	21.81'
703	704	S89° 12' 16"E	74.58'
PARCEL 1			
701	100	S00° 47' 44"W	34.08'
100	101	S73° 58' 28"W	20.84'
101	102	N00° 10' 31"E	6.03'
102	100	S89° 12' 16"E	20.02'
PARCEL 2			
702	103	S00° 47' 44"W	34.08'
103	104	S89° 12' 16"E	3.06'
104	105	S00° 16' 57"W	2.01'
105	103	N56° 03' 13"W	3.68'
105	300	S00° 16' 57"W	12.83'
300	301	N89° 43' 03"W	1.61'
301	302	N00° 32' 11"W	8.47'
302	303	N32° 41' 26"W	4.50'
303	304	N89° 43' 03"W	18.41'
304	305	N00° 47' 44"E	2.81'
305	103	S89° 12' 16"E	19.50'
PARCEL 3			
703	306	N00° 47' 44"E	33.00'
306	307	N89° 12' 16"W	22.50'
307	308	N00° 47' 44"E	5.80'
308	309	S89° 12' 16"E	22.50'
309	306	S00° 47' 44"W	5.80'
306	310	S89° 12' 16"E	34.73'
310	311	N00° 47' 44"E	6.50'
311	312	S89° 12' 16"E	21.00'
312	313	S00° 47' 44"W	6.50'
313	310	N89° 12' 16"W	21.00'
PARCEL 4			
704	314	S00° 47' 44"W	33.21'
314	315	S00° 47' 44"W	5.69'
315	316	S52° 34' 28"W	30.52'
316	317	N89° 43' 03"W	3.14'
317	318	N00° 16' 57"E	24.48'
318	314	S89° 27' 51"E	27.33'

COORDINATE / STATION / OFFSET TABLE

POINT	NORTHING	EASTING	STATION	OFFSET
100	481218.353	738066.326	64+81.12	34.08'
101	481212.599	738046.293	64+61.17	40.11'
102	481218.631	738046.312	64+61.11	34.08'
103	481215.007	738307.301	67+22.12	34.08'
104	481214.964	738310.365	67+25.18	34.08'
105	481212.950	738310.355	67+25.20	36.10'
300	481200.116	738310.292	67+25.32	48.93'
301	481200.124	738308.681	67+23.71	48.94'
302	481208.593	738308.602	67+23.51	40.48'
303	481212.379	738306.173	67+21.03	36.72'
304	481212.470	738287.763	67+02.62	36.89'
305	481215.278	738287.802	67+02.62	34.08'
306	481281.779	738330.043	67+43.93	-33.00'
307	481282.091	738307.545	67+21.43	-33.00'
308	481287.891	738307.625	67+21.43	-38.80'
309	481287.578	738330.123	67+43.93	-38.80'
310	481281.297	738364.771	67+78.66	-33.00'
311	481287.796	738364.862	67+78.66	-39.50'
312	481287.504	738385.860	67+99.66	-39.50'
313	481281.005	738385.769	67+99.66	-33.00'
314	481214.535	738403.696	68+18.51	33.21'
315	481208.841	738403.616	68+18.51	38.91'
316	481190.293	738379.379	67+94.54	57.79'
317	481190.309	738376.244	67+91.40	57.82'
318	481214.791	738376.365	67+91.18	33.34'
701	481252.432	738066.800	64+81.12	0.00'
702	481249.085	738307.774	67+22.12	0.00'
703	481248.782	738329.584	67+43.93	0.00'
704	481247.746	738404.157	68+18.51	0.00'

SHEET LOCATION

N
STH 21
CITY OF OMRO
W. RIVER DR.
SPRUCE ST.
FOX RIVER
MAIN ST.
STH 21
WASHINGTON
ADAMS
JEFFERSON
WEBSTER
W. HURON

1" = 500'

REVISION DATE	DATE 6/30/2023	SCALE, FEET 0 20 40	HWY: STH 21	STATE R/W PROJECT NUMBER 6180-30-21	PLAT SHEET 4.02
	GRID FACTOR N/A		COUNTY: WINNEBAGO	CONSTRUCTION PROJECT NUMBER 6180-30-71/72/73	PS&E SHEET 326 E

FILE NAME : 6180-30-21.DWG
LAYOUT NAME - 4.02

PLOT DATE : 7/11/2023 3:42 PM PLOT BY : COLLINS, TROY PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 75

BASIS OF EXISTING RIGHT-OF-WAY	
ROUTE	BASIS
STH 21	CSM #7567, PLAT OF SURVEY DATED 11-8-05, PLAT OF SURVEY DATED 4-11-03
SOUTH WEBSTER AVENUE	CSM #7567, PLAT OF SURVEY DATED 11-8-05

COORDINATE / STATION / OFFSET TABLE				
POINT	NORTHING	EASTING	STATION	OFFSET
319	481277.345	738649.306	70+63.37	-32.10'
320	481277.414	738644.307	70+58.37	-32.13'
321	481282.414	738644.369	70+58.39	-37.13'
322	481282.345	738649.368	70+63.39	-37.10'
705	481245.242	738649.006	70+63.37	0.00'
706	481244.923	738683.095	70+97.47	0.00'
765	481246.574	738506.559	69+20.92	0.00'

COURSE TABLE			
FROM PT	TO PT	BEARING	DISTANCE
REFERENCE LINE TIES			
506	706	S00° 42' 45"W	408.51'
706	705	N89°27' 51"W	34.09'
765	705	S89° 27' 51"E	142.45'
PARCEL 5			
705	319	N00° 32' 09"E	32.10'
319	320	N89° 12' 16"W	5.00'
320	321	N00° 42' 45"E	5.00'
321	322	S89° 12' 16"E	5.00'
322	319	S00° 42' 45"W	5.00'

SECTION LINE N89°52'24"W 2635.33'
2457.52' 177.81'

800
FOUND LEANING BERNTSEN MON. POSITION PER SECTION SUMMARY
Y=481659.232
X=736052.851

506
FOUND CHISELED CROSS
Y=481653.406
X=738688.175

SEE SHEET 4.02
MATCHLINE STA. 69+00

407.24'
N00°32'09"E

WESTERN ADDITION

EAST 1/2 OF LOT 1

WEBSTER AVE.
-R/W VARIES-

ORIGINAL PLAT OF OMRO

21

CITY

±34.2'

FACE OF BLD. ON NORTH LINE OF T.L.E.

BUILDING WALL 0.4' EAST OF R/W LINE

321 5 322 319 320

PL

GOV. LOT 1

GOV. LOT 2

±32.3'

33'

69+00 765 S89°27'51"E = R/L 70+00 705 71+00 706 PI: 70+97.47 S89°26'11"E = R/L 72+00

STH 21
(W. MAIN ST.)
-R/W VARIES-

OF

STH 21
(E. MAIN ST.)

224.31'
2632.82'
S00°42'45"W

SECTION LINE

SOUTH WEBSTER AVE.

IP

LOT 1
CSM #7567
DOC. #1805253

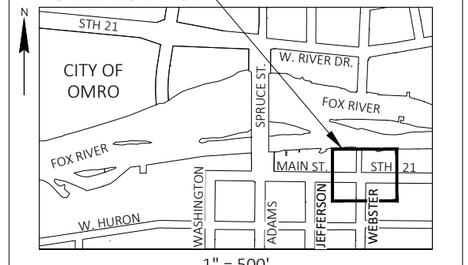
505
FOUND BERNTSEN MON.
Y=479020.781
X=738655.438

66'

PLAT OF SURVEY
PLS NO. 1368
DATED 4-11-03

OMRO

SHEET LOCATION



1" = 500'

-OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT.

-ALL AREAS SHOWN IN SQUARE FEET UNLESS OTHERWISE NOTED. THE PURPOSE FOR ALL TLE'S IS FOR SLOPING AND GRADING UNLESS OTHERWISE NOTED.

-AREA FIGURES ARE REFERENCED TO THIS SHEET ONLY.

SCHEDULE OF LANDS & INTERESTS REQUIRED						
PARCEL NUMBER	OWNER(S)	INTEREST(S) REQUIRED	FEE R/W REQUIRED S.F.			TLE S.F.
			NEW	EXISTING	TOTAL	
5	JANE M. CHRISTL	TLE	-	-	-	25

REVISION DATE

DATE 6/30/2023

GRID FACTOR N/A

SCALE, FEET 0 10 20

HWY: STH 21

COUNTY: WINNEBAGO

STATE R/W PROJECT NUMBER 6180-30-21

CONSTRUCTION PROJECT NUMBER 6180-30-71/72/73

PLAT SHEET 4.03

PS&E SHEET 327 E

FILE NAME : 6180-30-21.DWG
LAYOUT NAME - 4.03

PLOT DATE : 7/11/2023 3:43 PM PLOT BY : COLLINS, TROY PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 75

SCHEDULE OF LANDS & INTERESTS REQUIRED						
PARCEL NUMBER	OWNER(S)	INTEREST(S) REQUIRED	FEE R/W REQUIRED S.F.			TLE S.F.
			NEW	EXISTING	TOTAL	
6	THE BAUMAN REAL ESTATE LIMITED PARTNERSHIP	TLE	-	-	-	81
7	KENNETH BRESSERS	TLE	-	-	-	155
8	KWIK TRIP INC.	FEE	126	-	126	-
39	CITY OF OMRO, A WISCONSIN MUNICIPALITY	TLE	-	-	-	115

-OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT.

-ALL AREAS SHOWN IN SQUARE FEET UNLESS OTHERWISE NOTED. THE PURPOSE FOR ALL TLE'S IS FOR SLOPING AND GRADING UNLESS OTHERWISE NOTED.

-AREA FIGURES ARE REFERENCED TO THIS SHEET ONLY.

BASIS OF EXISTING RIGHT-OF-WAY	
ROUTE	BASIS
STH 21	PLAT OF SURVEY DATED 8-11-17, PLAT OF SURVEY DATED 4-11-03, CSM #1404
MADISON AVENUE	PLAT OF SURVEY DATED 4-11-03

COURSE TABLE			
FROM PT	TO PT	BEARING	DISTANCE
REFERENCE LINE TIES			
707	708	S89° 26' 11"E	18.83'
708	709	S89° 33' 51"E	43.20'
709	710	S89° 33' 51"E	46.95'
774	707	S89° 26' 11"E	88.37'
710	775	S89° 33' 51"E	29.00'
PARCEL 6			
707	323	N00° 15' 48"E	33.00'
323	324	N00° 32' 29"E	6.25'
324	325	S89° 26' 11"E	13.00'
325	326	S00° 32' 29"W	6.25'
326	323	N89° 26' 11"W	13.00'
PARCEL 7			
709	333	N00° 26' 09"E	33.00'
333	334	N00° 26' 09"E	4.86'
334	335	N77° 39' 26"E	10.24'
335	336	S89° 34' 56"E	9.38'
336	337	S64° 08' 22"E	5.15'
337	338	S00° 26' 09"W	4.92'
338	333	N89° 33' 51"W	24.02'
PARCEL 8			
710	106	S00° 26' 09"W	33.00'
106	107	S76° 42' 56"W	8.54'
107	108	S86° 49' 22"W	7.95'
108	109	S66° 08' 57"W	7.73'
109	110	S37° 59' 34"W	11.40'
110	111	N00° 32' 29"E	14.74'
111	106	S89° 33' 51"E	30.20'
PARCEL 39			
707	327	S00° 15' 48"W	33.00'
327	328	S89° 26' 11"E	12.68'
328	329	S00° 32' 29"W	19.47'
329	330	N89° 27' 31"W	2.00'
330	331	N00° 32' 29"E	12.33'
331	332	N89° 26' 11"W	10.68'
332	327	N00° 33' 49"E	7.14'

COORDINATE / STATION / OFFSET TABLE				
POINT	NORTHING	EASTING	STATION	OFFSET
106	481206.190	739286.301	77+00.95	33.00'
107	481204.228	739277.992	76+92.66	35.03'
108	481203.788	739270.056	76+84.72	35.53'
109	481200.660	739262.982	76+77.67	38.71'
110	481191.676	739255.965	76+70.72	47.74'
111	481206.420	739256.104	76+70.75	33.00'
323	481273.060	739177.730	75+91.80	-33.00'
324	481279.310	739177.789	75+91.80	-39.25'
325	481279.182	739190.789	76+04.80	-39.25'
326	481272.932	739190.730	76+04.80	-33.00'
327	481207.060	739177.427	75+92.15	33.00'
328	481206.935	739190.106	76+04.83	33.00'
329	481187.470	739189.922	76+04.83	52.47'
330	481187.489	739187.922	76+02.83	52.47'
331	481199.815	739188.039	76+02.83	40.14'
332	481199.920	739177.357	75+92.15	40.14'
333	481272.545	739239.856	76+54.00	-33.00'
334	481277.408	739239.893	76+54.00	-37.86'
335	481279.597	739249.897	76+63.99	-40.13'
336	481279.529	739259.280	76+73.37	-40.13'
337	481277.282	739263.915	76+78.02	-37.92'
338	481272.362	739263.878	76+78.02	-33.00'
707	481240.060	739177.579	75+91.97	0.00'
708	481239.875	739196.406	76+10.80	0.00'
709	481239.546	739239.605	76+54.00	0.00'
710	481239.189	739286.552	77+00.95	0.00'
774	481240.929	739089.216	75+03.61	0.00'
775	481238.969	739315.551	77+29.95	0.00'

UTILITY INTERESTS REQUIRED				
UTILITY NUMBER	UTILITY OWNERS	INTEREST REQUIRED	RECORDED EASEMENTS	PARCEL
100	ALLIANT ENERGY - GAS	RELEASE OF RIGHTS	NO EASEMENT OF RECORD	7

REVISION DATE	DATE 6/30/2023	SCALE, FEET 0 10 20	HWY: STH 21	STATE R/W PROJECT NUMBER 6180-30-21	PLAT SHEET 4.04
	GRID FACTOR N/A		COUNTY: WINNEBAGO	CONSTRUCTION PROJECT NUMBER 6180-30-71/72/73	PS&E SHEET 328 E

FILE NAME : 6180-30-21.DWG
LAYOUT NAME - 4.04

PLOT DATE : 7/11/2023 3:43 PM PLOT BY : COLLINS, TROY PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 75

*PARCELS 40 & 41 ALSO LOCATED ON SHEET 4.06

SCHEDULE OF LANDS & INTERESTS REQUIRED

PARCEL NUMBER	OWNER(S)	INTEREST(S) REQUIRED	FEE R/W REQUIRED S.F.			TLE S.F.
			NEW	EXISTING	TOTAL	
8	KWIK TRIP INC	FEE & TLE	49	-	49	119
9	DUWAYNE D. & DIANE L. LAABS	FEE & TLE	33	-	33	86
10	BLUE EYES OF WISCONSIN, LLC, A WISCONSIN LIMITED LIABILITY COMPNAY	FEE	98	-	98	-
40	CITY OF OMRO, A WISCONSIN MUNICIPALITY	TLE	-	-	-	553
41	CITY OF OMRO, A WISCONSIN MUNICIPALITY	TLE	-	-	-	230

-OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT.

-ALL AREAS SHOWN IN SQUARE FEET UNLESS OTHERWISE NOTED. THE PURPOSE FOR ALL TLE'S IS FOR SLOPING AND GRADING UNLESS OTHERWISE NOTED.

-AREA FIGURES ARE REFERENCED TO THIS SHEET ONLY.

COURSE TABLE

FROM PT	TO PT	BEARING	DISTANCE
REFERENCE LINE TIES			
776	711	S89° 33' 51"E	22.59'
711	712	S89° 33' 51"E	117.49'
712	713	S89° 33' 51"E	260.13'
713	753	S89° 33' 51"E	37.05'
753	714	S89° 38' 36"E	50.58'
714	715	S89° 38' 36"E	52.87'
PARCEL 8			
711	112	S00° 26' 09"W	33.00'
112	113	S89° 33' 51"E	29.73'
113	114	S00° 40' 35"W	1.79'
114	115	N89° 33' 51"W	9.75'
115	116	N88° 21' 04"W	19.97'
116	112	N00° 26' 09"E	1.37'
114	339	S00° 40' 35"W	5.81'
339	340	N82° 07' 21"W	29.95'
340	116	N00° 26' 09"E	2.35'

COURSE TABLE

FROM PT	TO PT	BEARING	DISTANCE
PARCEL 9			
712	117	S00° 26' 09"W	33.00'
117	118	S00° 26' 09"W	1.50'
118	119	N89° 33' 51"W	21.77'
119	120	N00° 40' 35"E	1.50'
120	117	S89° 33' 51"E	21.76'
118	341	S00° 26' 09"W	1.59'
341	342	S78° 18' 04"W	22.29'
342	119	N00° 40' 35"E	6.28'
PARCEL 10			
713	121	S00° 26' 09"W	33.00'
121	122	S89° 33' 51"E	18.16'
122	123	S01° 21' 06"W	12.60'
123	124	N48° 00' 04"W	14.75'
124	125	N72° 29' 48"W	5.43'
125	121	N54° 31' 15"W	2.12'

COORDINATE / STATION / OFFSET TABLE

POINT	NORTHING	EASTING	STATION	OFFSET
112	481203.907	739586.525	80+01.18	33.00'
113	481203.681	739616.254	80+30.91	33.00'
114	481201.890	739616.233	80+30.90	34.79'
115	481201.965	739606.478	80+21.15	34.79'
116	481202.539	739586.515	80+01.18	34.37'
117	481203.014	739704.012	81+18.67	33.00'
118	481201.514	739704.001	81+18.67	34.50'
119	481201.679	739682.235	80+96.91	34.50'
120	481203.179	739682.253	80+96.91	33.00'
121	481201.035	739964.130	83+78.80	33.00'
122	481200.897	739982.292	83+96.96	33.00'
123	481188.303	739981.995	83+96.76	45.60'
124	481198.175	739971.030	83+85.72	35.81'
125	481199.808	739965.853	83+80.53	34.21'
339	481196.081	739616.164	80+30.88	40.60'
340	481200.186	739586.497	80+01.18	36.72'
341	481199.921	739703.988	81+18.67	36.09'

COORDINATE / STATION / OFFSET TABLE

POINT	NORTHING	EASTING	STATION	OFFSET
342	481195.401	739682.161	80+96.88	40.78'
343	481200.439	740051.801	84+66.43	33.00'
344	481188.940	740051.529	84+66.23	44.50'
345	481189.065	740031.527	84+46.22	44.50'
346	481200.563	740031.798	84+46.42	33.00'
347	481266.108	740105.082	85+19.30	-33.00'
348	481266.555	740033.355	84+47.57	-33.00'
349	481272.158	740033.487	84+47.67	-38.60'
350	481271.983	740061.530	84+75.71	-38.60'
351	481285.001	740066.131	84+80.23	-51.65'
352	481284.925	740078.287	84+92.38	-51.65'
353	481270.248	740084.604	84+98.79	-37.01'
711	481236.906	739586.776	80+01.18	0.00'
712	481236.013	739704.263	81+18.67	0.00'
713	481234.035	739964.381	83+78.80	0.00'
714	481233.438	740052.006	84+66.43	0.00'
715	481233.109	740104.876	85+19.30	0.00'
753	481233.753	740001.428	84+15.85	0.00'
776	481237.078	739564.187	79+78.59	0.00'

COURSE TABLE

FROM PT	TO PT	BEARING	DISTANCE
PARCEL 40			
715	347	N00° 21' 24"E	33.00'
347	348	N89° 38' 36"W	71.73'
348	349	N01° 21' 06"E	5.60'
349	350	S89° 38' 36"E	28.04'
350	351	N19° 28' 03"E	13.81'
351	352	S89° 38' 36"E	12.16'
352	353	S23° 17' 20"E	15.98'
353	347	S78° 34' 20"E	20.89'
PARCEL 41			
714	343	S00° 21' 24"W	33.00'
343	344	S01° 21' 06"W	11.50'
344	345	N89° 38' 36"W	20.00'
345	346	N01° 21' 06"E	11.50'
346	343	S89° 38' 36"E	20.00'

BASIS OF EXISTING RIGHT-OF-WAY

ROUTE	BASIS
STH 21	CSM #1404, CSM #7267
MONROE AVENUE	CSM #1404, CSM #7267
QUINCY AVENUE	CSM #7267, CSM #6514

UTILITY INTERESTS REQUIRED

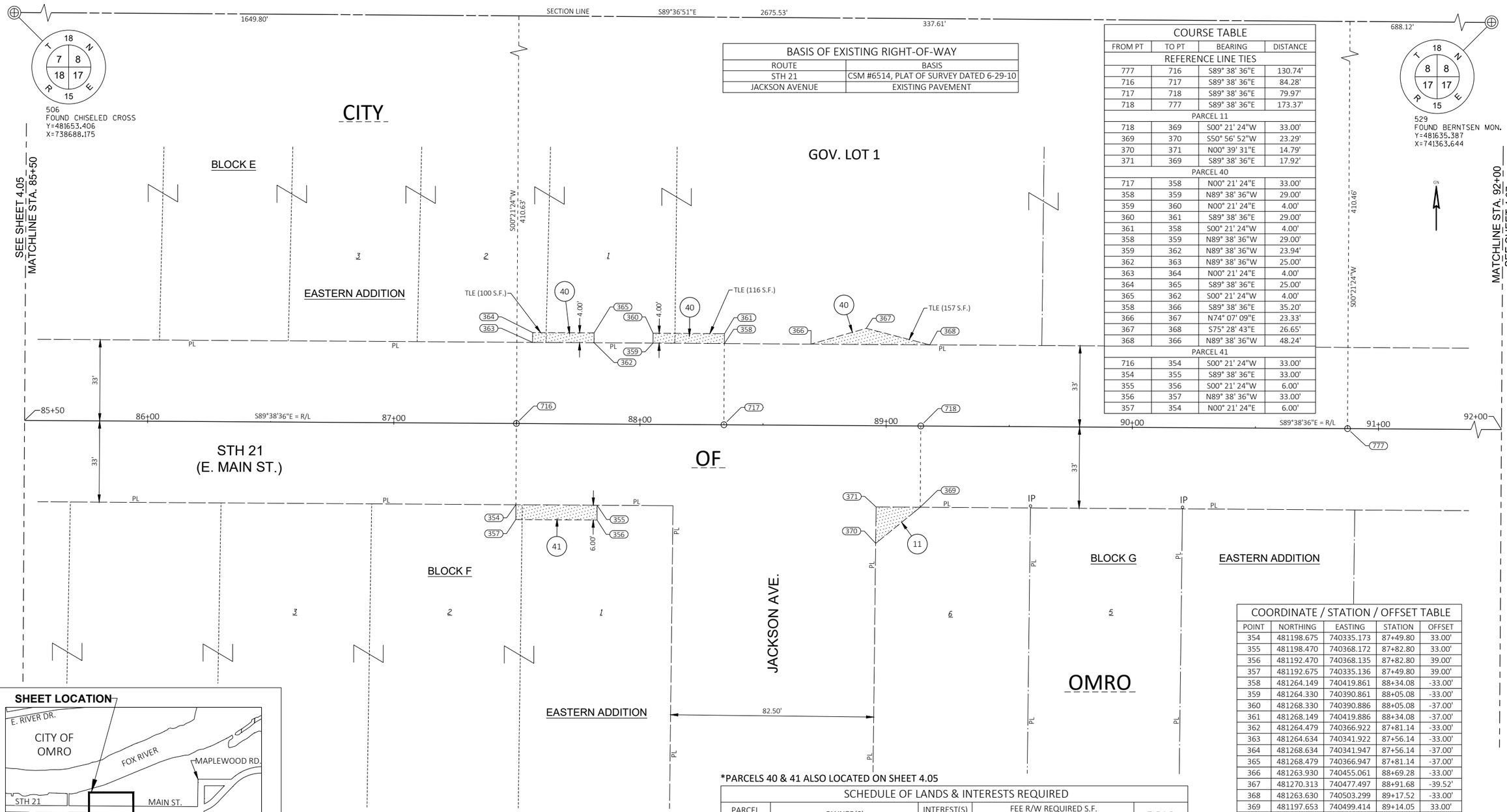
UTILITY NUMBER	UTILITY OWNERS	INTEREST REQUIRED	RECORDED EASEMENTS	PARCEL
101	CITY OF OMRO - WATER	RELEASE OF RIGHTS	-	4

REVISION DATE	DATE 6/30/2023	SCALE, FEET 0 20 40	HWY: STH 21	STATE R/W PROJECT NUMBER 6180-30-21	PLAT SHEET 4.05
	GRID FACTOR N/A		COUNTY: WINNEBAGO	CONSTRUCTION PROJECT NUMBER 6180-30-71/72/73	PS&E SHEET 329 E

FILE NAME : 6180-30-21.DWG
LAYOUT NAME - 4.05

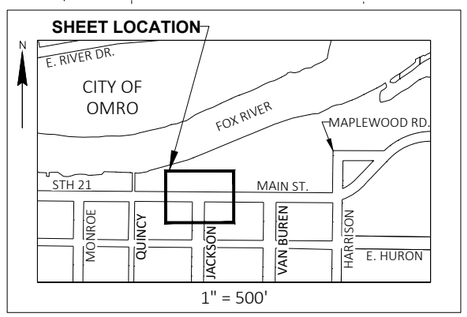
PLOT DATE : 7/11/2023 3:43 PM PLOT BY : COLLINS, TROY PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 75



BASIS OF EXISTING RIGHT-OF-WAY	
ROUTE	BASIS
STH 21	CSM #6514, PLAT OF SURVEY DATED 6-29-10
JACKSON AVENUE	EXISTING PAVEMENT

COURSE TABLE			
FROM PT	TO PT	BEARING	DISTANCE
REFERENCE LINE TIES			
777	716	S89° 38' 36"E	130.74'
716	717	S89° 38' 36"E	84.28'
717	718	S89° 38' 36"E	79.97'
718	777	S89° 38' 36"E	173.37'
PARCEL 11			
718	369	S00° 21' 24"W	33.00'
369	370	S50° 56' 52"W	23.29'
370	371	N00° 39' 31"E	14.79'
371	369	S89° 38' 36"E	17.92'
PARCEL 40			
717	358	N00° 21' 24"E	33.00'
358	359	N89° 38' 36"W	29.00'
359	360	N00° 21' 24"E	4.00'
360	361	S89° 38' 36"E	29.00'
361	358	S00° 21' 24"W	4.00'
358	359	N89° 38' 36"W	29.00'
359	362	N89° 38' 36"W	23.94'
362	363	N89° 38' 36"W	25.00'
363	364	N00° 21' 24"E	4.00'
364	365	S89° 38' 36"E	25.00'
365	362	S00° 21' 24"W	4.00'
358	366	S89° 38' 36"E	35.20'
366	367	N74° 07' 09"E	23.33'
367	368	S75° 28' 43"E	26.65'
368	366	N89° 38' 36"W	48.24'
PARCEL 41			
716	354	S00° 21' 24"W	33.00'
354	355	S89° 38' 36"E	33.00'
355	356	S00° 21' 24"W	6.00'
356	357	N89° 38' 36"W	33.00'
357	354	N00° 21' 24"E	6.00'



-OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT.

-ALL AREAS SHOWN IN SQUARE FEET UNLESS OTHERWISE NOTED. THE PURPOSE FOR ALL TLE'S IS FOR SLOPING AND GRADING UNLESS OTHERWISE NOTED.

-AREA FIGURES ARE REFERENCED TO THIS SHEET ONLY.

*PARCELS 40 & 41 ALSO LOCATED ON SHEET 4.05

SCHEDULE OF LANDS & INTERESTS REQUIRED						
PARCEL NUMBER	OWNER(S)	INTEREST(S) REQUIRED	FEE R/W REQUIRED S.F.			TLE S.F.
			NEW	EXISTING	TOTAL	
11	INERT C. & LORI A. LARSEN	TLE	-	-	-	133
40	CITY OF OMRO, A WISCONSIN MUNICIPALITY	TLE	-	-	-	373
41	CITY OF OMRO, A WISCONSIN MUNICIPALITY	TLE	-	-	-	198

COORDINATE / STATION / OFFSET TABLE				
POINT	NORTHING	EASTING	STATION	OFFSET
354	481198.675	740335.173	87+49.80	33.00'
355	481198.470	740368.172	87+82.80	33.00'
356	481192.470	740368.135	87+82.80	39.00'
357	481192.675	740335.136	87+49.80	39.00'
358	481264.149	740419.861	88+34.08	-33.00'
359	481264.330	740390.861	88+05.08	-33.00'
360	481268.330	740390.886	88+05.08	-37.00'
361	481268.149	740419.886	88+34.08	-37.00'
362	481264.479	740366.922	87+81.14	-33.00'
363	481264.634	740341.922	87+56.14	-33.00'
364	481268.634	740341.947	87+56.14	-37.00'
365	481268.479	740366.947	87+81.14	-37.00'
366	481263.930	740455.061	88+69.28	-33.00'
367	481270.313	740477.497	88+91.68	-39.52'
368	481263.630	740503.299	89+17.52	-33.00'
369	481197.653	740499.414	89+14.05	33.00'
370	481182.977	740481.324	88+96.05	47.79'
371	481197.764	740481.494	88+96.13	33.00'
716	481231.674	740335.378	87+49.80	0.00'
717	481231.150	740419.655	88+34.08	0.00'
718	481230.652	740499.619	89+14.05	0.00'
777	481229.573	740672.985	90+87.42	0.00'

REVISION DATE	DATE 6/30/2023	SCALE, FEET 0 20 40	HWY: STH 21	STATE R/W PROJECT NUMBER 6180-30-21	PLAT SHEET 4.06
	GRID FACTOR N/A		COUNTY: WINNEBAGO	CONSTRUCTION PROJECT NUMBER 6180-30-72/72/73	PS&E SHEET 330 E

FILE NAME : 6180-30-21.DWG
LAYOUT NAME - 4.06

PLOT DATE : 7/11/2023 3:43 PM PLOT BY : COLLINS, TROY PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 75

4

T 18 N
R 15 E
7 8
18 17

506
FOUND CHISELED CROSS
Y=481653.406
X=738688.175

2200.20'

SECTION LINE S89°36'51"E 2675.53'
165.07'

310.26'

T 18 N
R 15 E
8 8
17 17

529
FOUND BERNSTEN MON.
Y=481635.387
X=741363.644

COORDINATE / STATION / OFFSET TABLE				
POINT	NORTHING	EASTING	STATION	OFFSET
126	481194.742	740967.140	93+81.78	33.00'
127	481188.229	740955.848	93+70.53	39.58'
128	481194.812	740955.926	93+70.57	33.00'
372	481194.646	740982.581	93+97.22	33.00'
373	481192.905	740982.571	93+97.22	34.74'
374	481190.162	740975.846	93+90.52	37.53'
375	481189.281	740973.120	93+87.80	38.42'
376	481192.493	740963.951	93+78.61	35.27'
377	481181.494	740955.768	93+70.49	46.32'
378	481260.850	740950.015	93+64.25	-33.00'
379	481264.850	740950.040	93+64.25	-37.00'
380	481264.657	740981.040	93+95.25	-37.00'
381	481260.657	740981.015	93+95.25	-33.00'
720	481228.250	740885.565	93+00.00	0.00'
721	481227.850	740949.810	93+64.25	0.00'
722	481227.741	740967.346	93+81.78	0.00'
778	481227.222	741050.838	94+65.28	0.00'

CITY

UNRECORDED PLAT OF
SAWDY, JOHNSON, AND POMEROY'S ADDITION

BASIS OF EXISTING RIGHT-OF-WAY	
ROUTE	BASIS
STH 21	PLAT OF SURVEYS DATED 6-29-10 AND 10-5-11
VAN BUREN AVENUE	EXISTING MONUMENTATION

410.35'
S00°23'09"W

410.26'
S00°21'24"W

LOTS 6 AND 7

PLAT OF SURVEY
PLS NO. 2504
DATED 6-29-10

LOTS 4 AND 5

PLAT OF SURVEY
PLS NO. 1803
DATED 10-5-11

LOTS 2 AND 3

GN

13
379
378
380
381
31.00'
4.00'

IP
PL

33'

STH 21
(E. MAIN ST.)

92+00
S89°38'36"E = R/L
93+00
94+00
95+00
S89°38'36"E = R/L
720
721
722
778

OF

GOV. LOT 1

128
126
127
372
373
374
375
376
377
12

BLOCK G

EASTERN ADDITION

VAN BUREN AVE.

82.50'

BLOCK H

EASTERN ADDITION

OMRO

6

5

SEE SHEET 4.06
MATCHLINE STA. 92+00

MATCHLINE STA. 95+00
SEE SHEET 4.08

COURSE TABLE			
FROM PT	TO PT	BEARING	DISTANCE
REFERENCE LINE TIES			
720	721	S89° 38' 36"E	64.25'
721	722	S89° 38' 36"E	17.54'
722	778	S89° 38' 36"E	83.49'
PARCEL 12			
722	126	S00° 21' 24"W	33.00'
126	127	S60° 01' 33"W	13.04'
127	128	N00° 40' 43"E	6.58'
128	126	S89° 38' 36"E	11.21'
126	372	S89° 38' 36"E	15.44'
372	373	S00° 21' 24"W	1.74'
373	374	S67° 48' 21"W	7.26'
374	375	S72° 05' 53"W	2.86'
375	376	N70° 41' 38"W	9.72'
376	377	S36° 38' 51"W	13.71'
377	127	N00° 40' 43"E	6.74'
PARCEL 13			
721	378	N00° 21' 24"E	33.00'
378	379	N00° 21' 24"E	4.00'
379	380	S89° 38' 36"E	31.00'
380	381	S00° 21' 24"W	4.00'
381	378	N89° 38' 36"W	31.00'

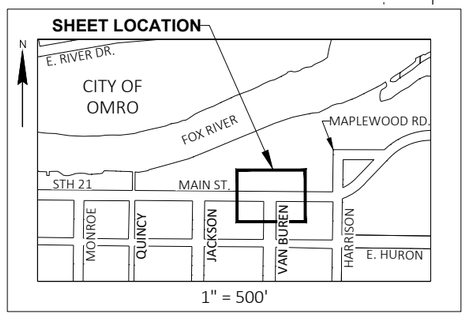
-OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT.

-ALL AREAS SHOWN IN SQUARE FEET UNLESS OTHERWISE NOTED. THE PURPOSE FOR ALL TLE'S IS FOR SLOPING AND GRADING UNLESS OTHERWISE NOTED.

-AREA FIGURES ARE REFERENCED TO THIS SHEET ONLY.

SCHEDULE OF LANDS & INTERESTS REQUIRED						
PARCEL NUMBER	OWNER(S)	INTEREST(S) REQUIRED	FEE R/W REQUIRED S.F.			TLE S.F.
			NEW	EXISTING	TOTAL	
12	COURTNEY J. & CLIFTON L. WRIGHT	FEE & TLE	37	-	37	96
13	DONALD C. & JANE M. CHASE	TLE	-	-	-	124

SHEET LOCATION



1" = 500'

REVISION DATE

DATE 6/30/2023

GRID FACTOR N/A

SCALE, FEET
0 10 20

HWY: STH 21

COUNTY: WINNEBAGO

STATE R/W PROJECT NUMBER 6180-30-21

CONSTRUCTION PROJECT NUMBER 6180-30-71/72/73

PLAT SHEET 4.07

PS&E SHEET 331

E

FILE NAME : 6180-30-21.DWG
LAYOUT NAME - 4.07

PLOT DATE : 7/11/2023 3:43 PM PLOT BY : COLLINS, TROY PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 75

COURSE TABLE			
FROM PT	TO PT	BEARING	DISTANCE
QUARTER SECTION LINE TIES			
529	723	S00° 40' 52"W	336.78'
723	724	S00° 40' 52"W	33.51'
726	727	S00° 40' 52"W	20.87'
727	504	S00° 40' 52"W	2194.08'
REFERENCE LINE TIES			
529	779	S29° 09' 54"W	468.03'
724	725	S00° 40' 52"W	28.16'
725	726	S00° 40' 52"W	23.98'
PARCEL 14			
727	382	N89° 19' 08"W	33.00'
382	383	S00° 40' 52"W	2.50'
383	384	N89° 38' 36"W	18.00'
384	385	N00° 40' 28"E	2.50'
385	382	S89° 38' 36"E	18.00'
PARCEL 15			
724	132	N89° 19' 08"W	31.22'
132	129	S00° 48' 23"W	7.00'
129	130	N89° 38' 36"W	29.55'
130	131	N00° 21' 24"E	2.08'
131	132	N80° 56' 00"E	30.01'
PARCEL 16			
726	386	S89° 19' 08"E	33.00'
386	387	SEE CURVE 1 DATA	
387	388	S21° 43' 39"E	4.35'
388	389	S69° 16' 14"W	17.00'
389	386	N00° 40' 52"E	4.73'
PARCEL 17			
723	390	S89° 19' 08"E	42.97'
390	391	N60° 26' 14"E	10.77'
391	392	S29° 33' 46"E	8.57'
392	393	SEE CURVE 2 DATA	
393	390	N57° 55' 11"W	9.66'
728	394	N46° 04' 30"W	33.00'
394	395	S43° 55' 30"W	15.55'
395	396	N01° 18' 24"W	5.53'
396	397	N53° 11' 33"E	12.91'
397	394	S15° 45' 49"E	2.14'

COORDINATE / STATION / OFFSET TABLE				
POINT	NORTHING	EASTING	STATION	OFFSET
129	481258.498	741327.925	97+47.73	-27.88'
130	481258.681	741298.379	97+15.41	-31.93'
131	481260.766	741298.392	97+15.61	-34.01'
132	481265.494	741328.023	97+49.25	-34.75'
382	481192.512	741325.376	97+34.79	36.85'
383	481190.012	741325.347	97+34.45	39.32'
384	481190.124	741307.347	97+18.49	37.14'
385	481192.624	741307.376	97+18.72	34.65'
386	481212.599	741391.620	97+97.17	33.00'
387	481217.933	741405.848	98+10.94	33.00'
388	481213.889	741407.459	98+10.93	37.35'
389	481207.874	741391.564	97+95.72	37.44'
390	481298.115	741402.603	98+41.73	-41.36'
391	481303.428	741411.970	98+54.11	-41.57'
392	481295.973	741416.198	98+54.11	-33.00'
393	481292.983	741410.791	98+47.22	-33.00'
394	481459.630	741590.162	101+03.31	-33.00'
395	481448.428	741579.373	100+87.76	-33.00'
396	481453.960	741579.247	100+91.66	-36.93'
397	481461.692	741589.580	101+04.39	-34.85'
723	481298.626	741359.640	97+95.05	-58.76'
724	481265.123	741359.242	97+82.76	-26.98'
725	481236.970	741358.907	97+74.34	0.00'
726	481212.991	741358.622	97+68.22	23.13'
727	481192.120	741358.374	97+63.53	43.35'
728	481436.737	741613.930	101+03.31	0.00'
779	481226.694	741135.560	95+50.00	0.00'

SEE SHEET 4.07
MATCHLINE STA. 95+00

529
FOUND BERNTSEN MON.
Y=481635.387
X=741363.644

SECTION LINE S89°58'10"E 2698.03'
250.39' 2447.64'

MAPLEWOOD RD.
66' R/W

801
NOT RECOVERED
COMPUTED FROM TIES
Y=481633.948
X=744061.674

CURVE TABLE						
CURVE #	LENGTH	RADIUS	DELTA	CHORD LENGTH	CHORD BEARING	TANGENT
C1	15.20'	351.31'	2°28'42"	15.20'	N69°26'53"E	7.60'
C2	6.18'	285.31'	1°14'27"	6.18'	S61°03'27"W	3.09'

LOT 1
CSM #6217
DOC. #1464730

MAPLEWOOD RD.
S00°40'52"W 2637.38'
QUARTER SECTION LINE 336.78'

NW-NE

PI STA = 98+24.43
Y = 481224.986
X = 741409.981
DELTA = 46°25'54" LT
D = 18°00'00"
T = 136.53'
L = 257.95'
R = 318.31'
PC STA = 96+87.89
Y = 481225.836
X = 741273.451
PT STA = 99+45.85
Y = 481323.323
X = 741504.695
DB = S89°38'36"E
DA = N43°55'30"E

CITY

PLAT OF OUTLOTS
SOUTH OF FOX RIVER

LOT 94

GOV. LOT 1

OF

OMRO

BLOCK H
EASTERN ADDITION

HARRISON AVE.

STH 21
(E. MAIN ST.)
N43°55'30"E = R/L

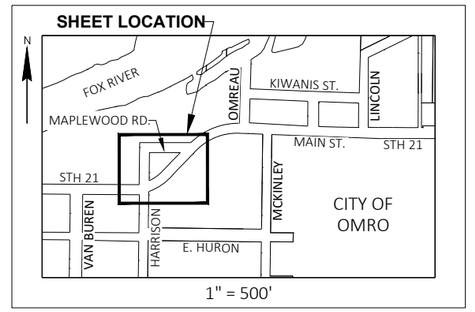
T.L.E. (43 S.F.)
T.L.E. (72 S.F.)

PT: 99+45.85
PC: 96+87.89
PI: 98+24.43

S89°38'36"E = R/L
S29°09'54"W 468.03'

504
FOUND BERNTSEN MON.
Y=478998.195
X=741332.290

SHEET LOCATION



1" = 500'

UTILITY INTERESTS REQUIRED				
UTILITY NUMBER	UTILITY OWNERS	INTEREST REQUIRED	RECORDED EASEMENTS	PARCEL
100	ALLIANT ENERGY - GAS	RELEASE OF RIGHTS	NO EASEMENT OF RECORD	16
101	CITY OF OMRO - WATER	RELEASE OF RIGHTS	NO EASEMENT OF RECORD	15

-OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT.

-ALL AREAS SHOWN IN SQUARE FEET UNLESS OTHERWISE NOTED. THE PURPOSE FOR ALL TLE'S IS FOR SLOPING AND GRADING UNLESS OTHERWISE NOTED.

-AREA FIGURES ARE REFERENCED TO THIS SHEET ONLY.

SCHEDULE OF LANDS & INTERESTS REQUIRED						
PARCEL NUMBER	OWNER(S)	INTEREST(S) REQUIRED	FEE R/W REQUIRED S.F.			TLE S.F.
			NEW	EXISTING	TOTAL	
14	BW ENTERPRISES I, LLC, A WISCONSIN LIMITED LIABILITY COMPANY	TLE	-	-	-	45
15	STEVEN L. FRANZ & LORI A. LUEBKE	FEE	134	-	134	-
16	MESUM FAMILY TRUST, DATED NOVEMBER 22, 2019	TLE	-	-	-	70
17	WILLIAM SEUFFER & PEGGY A. SEUFFER REVOCABLE TRUST, DATED OCTOBER 26, 2018	TLE	-	-	-	115

BASIS OF EXISTING RIGHT-OF-WAY	
ROUTE	BASIS
STH 21	R/W PROJECT NO. 6184-07-21
MAPLEWOOD ROAD	CSM #6217, CSM #6781
HARRISON AVENUE	CSM #1957

REVISION DATE

DATE 6/30/2023
GRID FACTOR N/A
SCALE, FEET 0 20 40
HWY: STH 21
COUNTY: WINNEBAGO
STATE R/W PROJECT NUMBER 6180-30-21
CONSTRUCTION PROJECT NUMBER 6180-30-71/72/73
PLAT SHEET 4.08
PS&E SHEET 332
E

FILE NAME : 6180-30-21.DWG
LAYOUT NAME - 4.08
PLOT DATE : 7/11/2023 3:43 PM
PLOT BY : COLLINS, TROY
PLOT NAME :
PLOT SCALE : 1 IN:20 FT

BASIS OF EXISTING RIGHT-OF-WAY	
ROUTE	BASIS
STH 21	R/W PROJECT NO. 6184-07-21, ASSESSOR'S PLAT NO. 2 TO THE CITY OF OMRO
OMREAU AVENUE	CSM #5615
McKINLEY AVENUE	CSM #176, CSM #1500

COURSE TABLE			
FROM PT	TO PT	BEARING	DISTANCE
PARCEL 20			
731	402	N00° 01' 50"E	26.70'
402	403	N01° 27' 45"E	7.50'
403	404	S87° 45' 28"E	21.00'
404	405	S01° 27' 45"W	7.50'
405	402	N87° 45' 28"W	21.00'
PARCEL 21			
719	406	S02° 14' 32"W	33.00'
406	407	S87° 45' 28"E	61.09'
407	408	S00° 40' 52"W	9.60'
408	406	N78° 52' 08"W	62.10'
PARCEL 22			
734	409	S02° 14' 32"W	33.00'
409	410	S84° 06' 30"W	34.48'
410	411	N00° 40' 52"E	4.88'
411	409	S87° 45' 28"E	34.27'

DAVID HUMES' ADDITION

CITY

TO THE PLAT

OF OMRO

ASSESSOR'S PLAT NO. 2
CITY OF OMRO

LOT 1
VOL. 1 CSM PG. 5615
DOC. #1333099

LOT 1

LOT 8

LOT 6

LOT 26

LOT 27

LOT 25

OMREAU AVE.

66'

529
FOUND BERNTSEN MON.
Y=481635.387
X=741363.644

801
NOT RECOVERED
COMPUTED FROM TIES
Y=481633.948
X=744061.674

GOV. LOT 3

PI: 103+83.24

SECTION LINE S89°58'10"E 2698.03'

105+00

106+00

107+00

108+00

109+00

PT: 105+44.80

S87°45'28"E = R/L

S84°29'21"E
440.79'

104+00

33'

STH 21
(E. MAIN ST.)

NW-NE

OF

PI STA = 103+83.24
Y = 481638.358
X = 741808.123
DELTA = 48°19'02" RT
D = 13°59'59"
T = 183.57'
L = 345.13'
R = 409.26'
PC STA = 101+99.67
Y = 481506.138
X = 741680.775
PT STA = 105+44.80
Y = 481631.175
X = 741991.556
DB = N43°55'30"E
DA = S87°45'28"E

LOT 1
VOL. 1 CSM PG. 176
DOC. #492731

MCKINLEY AVE.

60'

LOT 1
VOL. 1 CSM PG. 1500
DOC. #646010

OMRO

MATCHLINE STA. 109+00
SEE SHEET 4.10

CURVE TABLE						
CURVE #	LENGTH	RADIUS	DELTA	CHORD LENGTH	CHORD BEARING	TANGENT
C3	65.64'	442.26'	8°30'15"	65.58'	S87°30'02"W	32.88'

UTILITY INTERESTS REQUIRED				
UTILITY NUMBER	UTILITY OWNERS	INTEREST REQUIRED	RECORDED EASEMENTS	PARCEL
101	CITY OF OMRO - WATER	RELEASE OF RIGHTS	NO EASEMENT OF RECORD	21, 22

-OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT.

-ALL AREAS SHOWN IN SQUARE FEET UNLESS OTHERWISE NOTED. THE PURPOSE FOR ALL TLE'S IS FOR SLOPING AND GRADING UNLESS OTHERWISE NOTED.

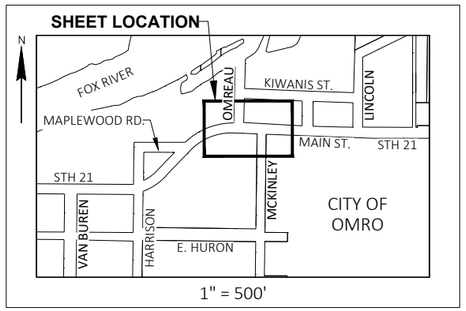
-AREA FIGURES ARE REFERENCED TO THIS SHEET ONLY.

SCHEDULE OF LANDS & INTERESTS REQUIRED						
PARCEL NUMBER	OWNER(S)	INTEREST(S) REQUIRED	FEE R/W REQUIRED S.F.			TLE S.F.
			NEW	EXISTING	TOTAL	
18	DAVID HUMES	FEE	288	1871	2159	-
19	MICHAEL E. & JODI K. DAHLKE	TLE	-	-	-	156
20	JOHN SNYDER, LLC, A WISCONSIN LIMITED LIABILITY COMPANY	TLE	-	-	-	158
21	ARLO A. SORENSON	TLE	-	-	-	293
22	VALLEY APARTMENT RENTAL, LLC, A WISCONSIN LIMITED LIABILITY COMPANY	TLE	-	-	-	84

COURSE TABLE			
FROM PT	TO PT	BEARING	DISTANCE
REFERENCE LINE TIES			
529	738	S89° 58' 10"E	559.23'
729	731	S89° 58' 10"E	66.69'
731	732	S89° 58' 10"E	31.26'
731	730	S00° 01' 50"W	6.33'
730	719	S87° 45' 28"E	30.99'
719	734	S87° 45' 28"E	155.38'
732	733	S89° 58' 10"E	155.50'
732	719	S02° 14' 32"W	7.53'
733	734	S02° 14' 32"W	13.53'
733	801	S89° 58' 10"E	1819.90'
529	780	S84° 29' 21"E	440.79'
PARCEL 18			
738	223	N01° 27' 45"E	26.34'
223	224	N01° 27' 45"E	6.67'
224	398	S89° 58' 10"E	65.45'
398	225	S01° 27' 45"W	3.77'
225	223	SEE CURVE 3 DATA	
225	729	S01° 27' 45"W	29.24'
738	729	S89° 58' 10"E	65.45'
PARCEL 19			
729	398	N01° 27' 45"E	33.01'
398	399	N89° 58' 10"W	31.20'
399	400	N02° 15' 28"W	1.41'
400	401	N77° 11' 18"E	32.28'
401	398	S01° 27' 45"W	8.59'

COORDINATE / STATION / OFFSET TABLE				
POINT	NORTHING	EASTING	STATION	OFFSET
223	481661.422	741923.551	104+80.56	-33.00'
224	481668.085	741923.721	104+81.42	-39.60'
225	481664.282	741989.071	105+41.30	-33.00'
398	481668.050	741989.171	105+41.29	36.77'
399	481668.067	741957.966	105+12.65	-36.92'
400	481669.474	741957.910	105+12.65	-38.33'
401	481676.632	741989.386	105+41.24	-45.35'
402	481661.716	742055.027	106+07.02	-33.00'
403	481669.214	742055.218	106+06.92	-40.50'
404	481668.392	742076.204	106+27.92	-40.50'
405	481660.894	742076.012	106+28.03	-33.00'
406	481594.504	742084.690	106+39.29	33.00'
407	481592.114	742145.733	107+00.38	33.00'
408	481582.515	742145.619	107+00.65	42.60'
409	481588.424	742239.953	107+94.68	33.00'
410	481584.885	742205.651	107+60.54	37.88'
411	481589.765	742205.709	107+60.41	33.00'
719	481627.478	742085.981	106+39.29	0.00'
729	481635.054	741988.324	105+41.45	-3.76'
730	481628.691	742055.009	106+08.30	0.00'
731	481635.018	742055.012	106+08.05	-6.32'
732	481635.002	742086.276	106+39.29	-7.53'
733	481634.919	742241.774	107+94.68	-13.53'
734	481621.399	742241.244	107+94.68	0.00'
738	481635.089	741922.879	104+76.86	-6.95'
780	481593.056	741802.395	140+50.00	0.00'

SHEET LOCATION



1" = 500'

REVISION DATE

DATE 6/30/2023

GRID FACTOR N/A

SCALE, FEET 0 20 40

HWY: STH 21

COUNTY: WINNEBAGO

STATE R/W PROJECT NUMBER 6180-30-21

CONSTRUCTION PROJECT NUMBER 6180-30-71/72/73

PLAT SHEET 4.09

PS&E SHEET

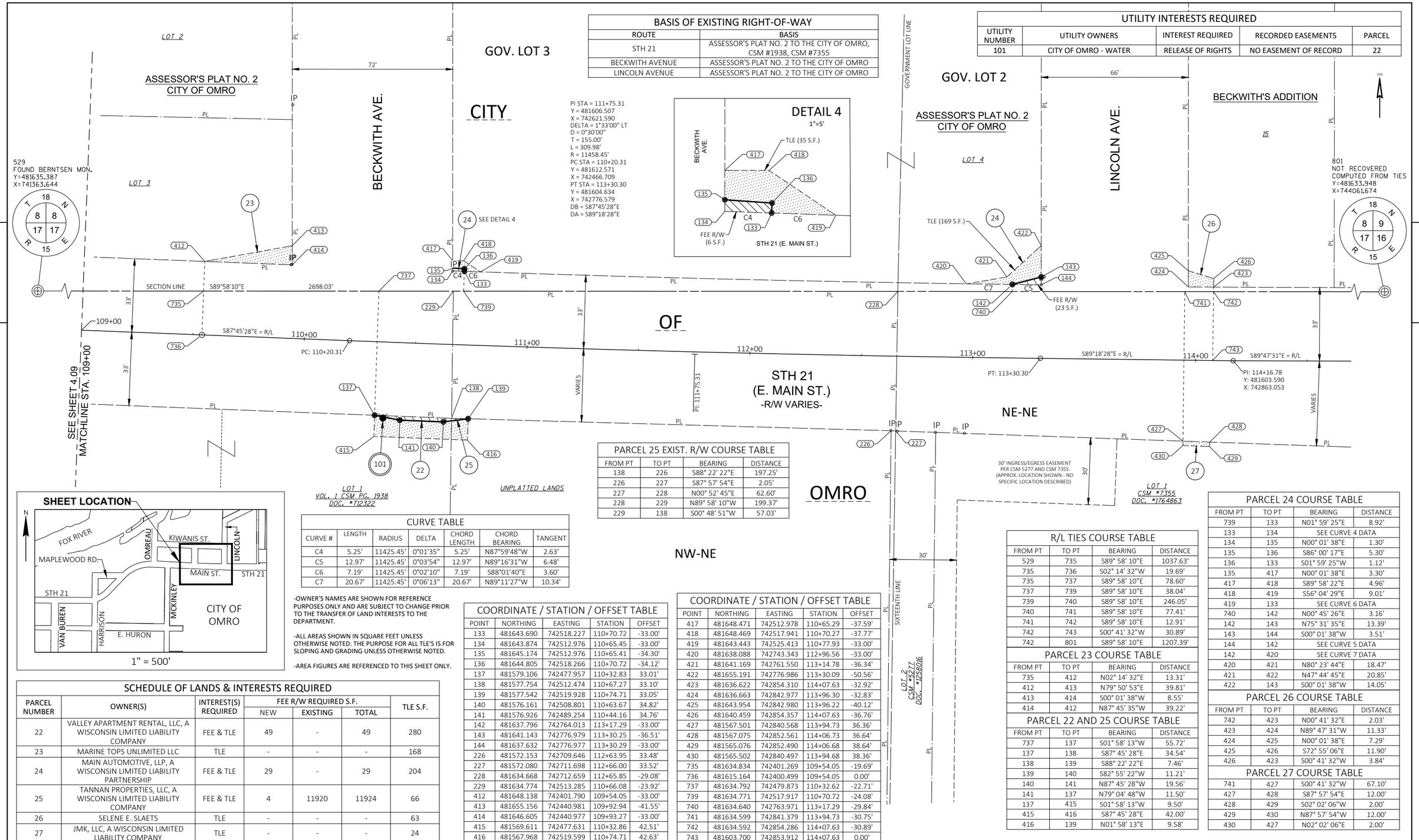
FILE NAME : 6180-30-21.DWG
LAYOUT NAME - 4.09

PLOT DATE : 7/11/2023 3:44 PM PLOT BY : COLLINS, TROY PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 75

BASIS OF EXISTING RIGHT-OF-WAY	
ROUTE	BASIS
STH 21	ASSESSOR'S PLAT NO. 2 TO THE CITY OF OMRO, CSM #1938, CSM #7355
BECKWITH AVENUE	ASSESSOR'S PLAT NO. 2 TO THE CITY OF OMRO
LINCOLN AVENUE	ASSESSOR'S PLAT NO. 2 TO THE CITY OF OMRO

UTILITY INTERESTS REQUIRED				
UTILITY NUMBER	UTILITY OWNERS	INTEREST REQUIRED	RECORDED EASEMENTS	PARCEL
101	CITY OF OMRO - WATER	RELEASE OF RIGHTS	NO EASEMENT OF RECORD	22



PARCEL 25 EXIST. R/W COURSE TABLE			
FROM PT	TO PT	BEARING	DISTANCE
138	226	S88° 22' 22"E	197.25'
226	227	S87° 57' 54"E	2.05'
227	228	N00° 52' 45"E	62.60'
228	229	N89° 58' 10"W	199.37'
229	138	S00° 48' 51"W	57.03'

CURVE TABLE						
CURVE #	LENGTH	RADIUS	DELTA	CHORD LENGTH	CHORD BEARING	TANGENT
C4	5.25'	11425.45'	0°01'35"	5.25'	N87°59'48"W	2.63'
C5	12.97'	11425.45'	0°03'54"	12.97'	N89°16'31"W	6.48'
C6	7.19'	11425.45'	0°02'10"	7.19'	S88°01'40"E	3.60'
C7	20.67'	11425.45'	0°06'13"	20.67'	N89°11'27"W	10.34'

-OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT.

-ALL AREAS SHOWN IN SQUARE FEET UNLESS OTHERWISE NOTED. THE PURPOSE FOR ALL TLE'S IS FOR SLOPING AND GRADING UNLESS OTHERWISE NOTED.

-AREA FIGURES ARE REFERENCED TO THIS SHEET ONLY.

SCHEDULE OF LANDS & INTERESTS REQUIRED						
PARCEL NUMBER	OWNER(S)	INTEREST(S) REQUIRED	FEE R/W REQUIRED S.F.			TLE S.F.
			NEW	EXISTING	TOTAL	
22	VALLEY APARTMENT RENTAL, LLC, A WISCONSIN LIMITED LIABILITY COMPANY	FEE & TLE	49	-	49	280
23	MARINE TOPS UNLIMITED LLC	TLE	-	-	-	168
24	MAIN AUTOMOTIVE, LLP, A WISCONSIN LIMITED LIABILITY PARTNERSHIP	FEE & TLE	29	-	29	204
25	TANNAN PROPERTIES, LLC, A WISCONISN LIMITED LIABILITY COMPANY	FEE & TLE	4	11920	11924	66
26	SELENE E. SLAETS	TLE	-	-	-	63
27	JMK, LLC, A WISCONSIN LIMITED LIABILITY COMPANY	TLE	-	-	-	24

COORDINATE / STATION / OFFSET TABLE				
POINT	NORTHING	EASTING	STATION	OFFSET
133	481643.690	742518.227	110+70.72	-33.00'
134	481643.874	742512.976	110+65.45	-33.00'
135	481645.174	742512.976	110+65.41	-34.30'
136	481644.805	742518.266	110+70.72	-34.12'
137	481579.106	742477.957	110+32.83	33.01'
138	481577.754	742512.474	110+67.27	33.10'
139	481577.542	742519.928	110+74.71	33.05'
140	481576.161	742508.801	110+63.67	34.82'
141	481576.926	742489.254	110+44.16	34.76'
142	481637.796	742764.013	113+17.29	-33.00'
143	481641.143	742776.979	113+30.25	-36.51'
144	481637.632	742776.977	113+30.29	-33.00'
226	481572.153	742709.646	112+63.95	33.48'
227	481572.080	742711.698	112+66.00	33.52'
228	481634.668	742712.659	112+65.85	-29.08'
229	481634.774	742513.285	110+66.08	-23.92'
412	481648.138	742401.790	109+54.05	-33.00'
413	481655.156	742440.981	109+92.94	-41.55'
414	481646.605	742440.977	109+93.27	-33.00'
415	481569.611	742477.631	110+32.86	42.51'
416	481567.968	742519.599	110+74.71	42.63'

COORDINATE / STATION / OFFSET TABLE				
POINT	NORTHING	EASTING	STATION	OFFSET
417	481648.471	742512.978	110+65.29	-37.59'
418	481648.469	742517.941	110+70.27	-37.77'
419	481643.443	742525.413	110+77.93	-33.00'
420	481638.088	742743.343	112+96.56	-33.00'
421	481641.169	742761.550	113+14.78	-36.34'
422	481655.191	742776.986	113+30.09	-50.56'
423	481636.622	742854.310	114+07.63	-32.92'
424	481636.663	742842.977	113+96.30	-32.83'
425	481643.954	742842.980	113+96.22	-40.12'
426	481640.459	742854.357	114+07.63	-36.76'
427	481567.501	742840.568	113+94.73	36.36'
428	481567.075	742852.561	114+06.73	36.64'
429	481565.076	742852.490	114+06.68	38.64'
430	481565.502	742840.497	113+94.68	38.36'
735	481634.834	742401.269	109+54.05	-19.69'
736	481615.164	742400.499	109+54.05	0.00'
737	481634.792	742479.873	110+32.62	-22.71'
739	481634.771	742517.917	110+70.72	-24.08'
740	481634.640	742763.971	113+17.29	-29.84'
741	481634.599	742841.379	113+94.73	-30.75'
742	481634.592	742854.286	114+07.63	-30.89'
743	481603.700	742853.912	114+07.63	0.00'

R/L TIES COURSE TABLE			
FROM PT	TO PT	BEARING	DISTANCE
529	735	S89° 58' 10"E	1037.63'
735	736	S02° 14' 32"W	19.69'
735	737	S89° 58' 10"E	78.60'
737	739	S89° 58' 10"E	38.04'
739	740	S89° 58' 10"E	246.05'
740	741	S89° 58' 10"E	77.41'
741	742	S89° 58' 10"E	12.91'
742	743	S00° 41' 32"W	30.89'
742	801	S89° 58' 10"E	1207.39'

PARCEL 23 COURSE TABLE			
FROM PT	TO PT	BEARING	DISTANCE
735	412	N02° 14' 32"E	13.31'
412	413	N79° 50' 53"E	39.81'
413	414	S00° 01' 38"W	8.55'
414	412	N87° 45' 35"W	39.22'

PARCEL 22 AND 25 COURSE TABLE			
FROM PT	TO PT	BEARING	DISTANCE
737	137	S01° 58' 13"W	55.72'
137	138	S87° 45' 28"E	34.54'
138	139	S88° 22' 22"E	7.46'
139	140	S82° 55' 22"W	11.21'
140	141	N87° 45' 28"W	19.56'
141	137	N79° 04' 48"W	11.50'
137	415	S01° 58' 13"W	9.50'
415	416	S87° 45' 28"E	42.00'
416	139	N01° 58' 13"E	9.58'

PARCEL 24 COURSE TABLE			
FROM PT	TO PT	BEARING	DISTANCE
739	133	N01° 59' 25"E	8.92'
133	134	SEE CURVE 4 DATA	
134	135	N00° 01' 38"E	1.30'
135	136	S86° 00' 17"E	5.30'
136	133	S01° 59' 25"W	1.12'
135	417	N00° 01' 38"E	3.30'
417	418	S89° 58' 22"E	4.96'
418	419	S56° 04' 29"E	9.01'
419	133	SEE CURVE 6 DATA	
740	142	N00° 45' 26"E	3.16'
142	143	N75° 31' 35"E	13.39'
143	144	S00° 01' 38"W	3.51'
144	142	SEE CURVE 5 DATA	
142	420	SEE CURVE 7 DATA	
420	421	N80° 23' 44"E	18.47'
421	422	N47° 44' 45"E	20.85'
422	143	S00° 01' 38"W	14.05'

PARCEL 26 COURSE TABLE			
FROM PT	TO PT	BEARING	DISTANCE
742	423	N00° 41' 32"E	2.03'
423	424	N89° 47' 31"W	11.33'
424	425	N00° 01' 38"E	7.29'
425	426	S72° 55' 06"E	11.90'
426	423	S00° 41' 32"W	3.84'

PARCEL 27 COURSE TABLE			
FROM PT	TO PT	BEARING	DISTANCE
741	427	S00° 41' 32"W	67.10'
427	428	S87° 57' 54"E	12.00'
428	429	S02° 02' 06"W	2.00'
429	430	N87° 57' 54"W	12.00'
430	427	N02° 02' 06"E	2.00'

REVISION DATE	DATE 6/30/2023	SCALE, FEET 0 20 40	HWY: STH 21	STATE R/W PROJECT NUMBER 6180-30-21	PLAT SHEET 4.10
	GRID FACTOR N/A		COUNTY: WINNEBAGO	CONSTRUCTION PROJECT NUMBER 6180-30-71/72/73	PS&E SHEET 334 E

FILE NAME : 6180-30-21.DWG
LAYOUT NAME - 4.10

PLOT DATE : 7/11/2023 3:44 PM PLOT BY : COLLINS, TROY PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 75

BASIS OF EXISTING RIGHT-OF-WAY	
ROUTE	BASIS
STH 21	R/W PROJECT NO. 6184-07-21, PLAT OF SURVEY DATED 8-18-21
INDUSTRIAL DRIVE	PLAT OF OMRO INDUSTRIAL PARK

UTILITY INTERESTS REQUIRED				
UTILITY NUMBER	UTILITY OWNERS	INTEREST REQUIRED	RECORDED EASEMENTS	PARCEL
100	ALLIANT ENERGY - GAS	RELEASE OF RIGHTS	NO EASEMENT OF RECORD	28
107	ALLIANT ENERGY - ELECTRIC	RELEASE OF RIGHTS	DOC. #211136	28

CITY

GOV. LOT 2

OF

NE-NE

NW-NW

UNPLATTED LANDS

INDUSTRIAL DR.

OMRO

II

PLAT OF OMRO INDUSTRIAL PARK

STH 21
(E. MAIN ST.)
-R/W VARIES-

STH 21
(E. MAIN ST.)

SECTION LINE S89°58'10"E 2698.03'

S89°47'31"E = R/L

SECTION LINE S01°04'32"W 2658.80'

529
FOUND BERNTSEN MON.
Y=481635.387
X=741363.644

801
NOT RECOVERED
COMPUTED FROM TIES
Y=481633.948
X=744061.674

802
NOT RECOVERED
POSITION PER SECTION SUMMARY
Y=478975.616
X=744011.765

124+00 125+00 126+00

751 752 745 746 744 431 432 433

107 28 100

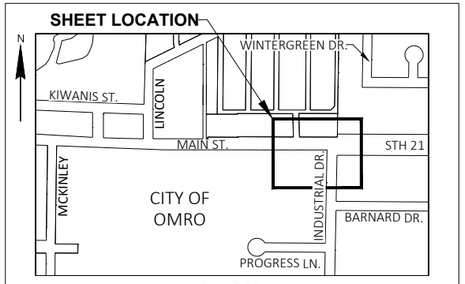
1" UTILITY EASEMENT TO WISCONSIN POWER & LIGHT DOC. #211136

50' ±34.6' 70' 66'

COURSE TABLE			
FROM PT	TO PT	BEARING	DISTANCE
REFERENCE LINE TIES			
801	745	N89° 58' 10"W	79.37'
745	746	S00° 12' 29"W	34.47'
746	744	S89° 47' 31"E	78.84'
751	752	S00° 12' 29"W	34.04'
751	745	S89° 58' 10"E	135.91
752	746	S89° 47' 31"E	135.91'
801	744	S01° 04' 32"W	34.72'
744	802	S01° 04' 32"W	2624.08'
529	751	S89° 58' 10"E	2482.75'
PARCEL 28			
746	431	S00° 12' 29"W	34.81'
431	432	S89° 38' 21"E	12.31'
432	433	S01° 04' 32"W	4.08'
433	431	N71° 12' 56"W	12.92'

COORDINATE / STATION / OFFSET TABLE				
POINT	NORTHING	EASTING	STATION	OFFSET
431	481564.714	743982.055	125+35.91	34.81'
432	481564.636	743994.361	125+48.22	34.85'
433	481560.554	743994.284	125+48.16	38.93'
744	481599.239	744061.022	126+14.75	0.00'
745	481633.990	743982.307	125+35.91	-34.47'
746	481599.526	743982.181	125+35.91	0.00'
751	481634.063	743846.395	124+00.00	-34.04'
752	481600.019	743846.271	124+00.00	0.00'

SHEET LOCATION



1" = 500'

-OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT.

-ALL AREAS SHOWN IN SQUARE FEET UNLESS OTHERWISE NOTED. THE PURPOSE FOR ALL TLE'S IS FOR SLOPING AND GRADING UNLESS OTHERWISE NOTED.

-AREA FIGURES ARE REFERENCED TO THIS SHEET ONLY.

SCHEDULE OF LANDS & INTERESTS REQUIRED						
PARCEL NUMBER	OWNER(S)	INTEREST(S) REQUIRED	FEE R/W REQUIRED S.F.			TLE S.F.
			NEW	EXISTING	TOTAL	
28	D&S ECKSTEIN PROPERTIES, LLC, A WISCONSIN LIMITED LIABILITY COMPANY	TLE	-	-	-	25

4 4

REVISION DATE

DATE 6/30/2023

GRID FACTOR N/A

SCALE, FEET 0 10 20

HWY: STH 21

COUNTY: WINNEBAGO

STATE R/W PROJECT NUMBER 6180-30-21

CONSTRUCTION PROJECT NUMBER 6180-30-71/72/73

PLAT SHEET 4.11

PS&E SHEET 335 E

FILE NAME : 6180-30-21.DWG
LAYOUT NAME - 4.11

PLOT DATE : 7/11/2023 3:44 PM PLOT BY : COLLINS, TROY PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 75

UTILITY INTERESTS REQUIRED				
UTILITY NUMBER	UTILITY OWNERS	INTEREST REQUIRED	RECORDED EASEMENTS	PARCEL
106	AT&T WISCONSIN	RELEASE OF RIGHTS	DOC. #668042	29
106	AT&T WISCONSIN	RELEASE OF RIGHTS	DOC. #668043	30
106	AT&T WISCONSIN	RELEASE OF RIGHTS	NO EASEMENT OF RECORD	31, 33
106	AT&T WISCONSIN	RELEASE OF RIGHTS	DOC. #668045	32
107	ALLIANT ENERGY - ELECTRIC	RELEASE OF RIGHTS	DOC. #211139	31
107	ALLIANT ENERGY - ELECTRIC	RELEASE OF RIGHTS	DOC. #211565	33
107	ALLIANT ENERGY - ELECTRIC	RELEASE OF RIGHTS	NO EASEMENT OF RECORD	33

BASIS OF EXISTING RIGHT-OF-WAY	
ROUTE	BASIS
STH 21	TPP NO. 6180-22-00-4.15 AND 4.16
REIGHMOOR ROAD	CSM #7800
CTH FF	TPP NO. 6180-22-00-4.15 AND 4.16

PARCEL 29 AND 30 COURSE TABLE			
FROM PT	TO PT	BEARING	DISTANCE
747	434	N00° 14' 32"E	50.33'
434	435	N00° 14' 44"E	5.00'
435	436	S89° 45' 28"E	154.23'
436	437	N86° 23' 39"E	65.23'
437	438	S89° 45' 28"E	90.95'
438	439	S84° 36' 38"E	48.79'
439	440	S89° 45' 28"E	113.38'
440	441	N37° 58' 06"E	87.29'
441	442	S00° 37' 31"W	13.71'
442	443	S33° 37' 35"W	72.25'
443	434	N89° 45' 28"W	485.82'
756	441	N89° 22' 29"W	33.00'

-OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT.

-ALL AREAS SHOWN IN SQUARE FEET UNLESS OTHERWISE NOTED. THE PURPOSE FOR ALL TLE'S IS FOR SLOPING AND GRADING UNLESS OTHERWISE NOTED.

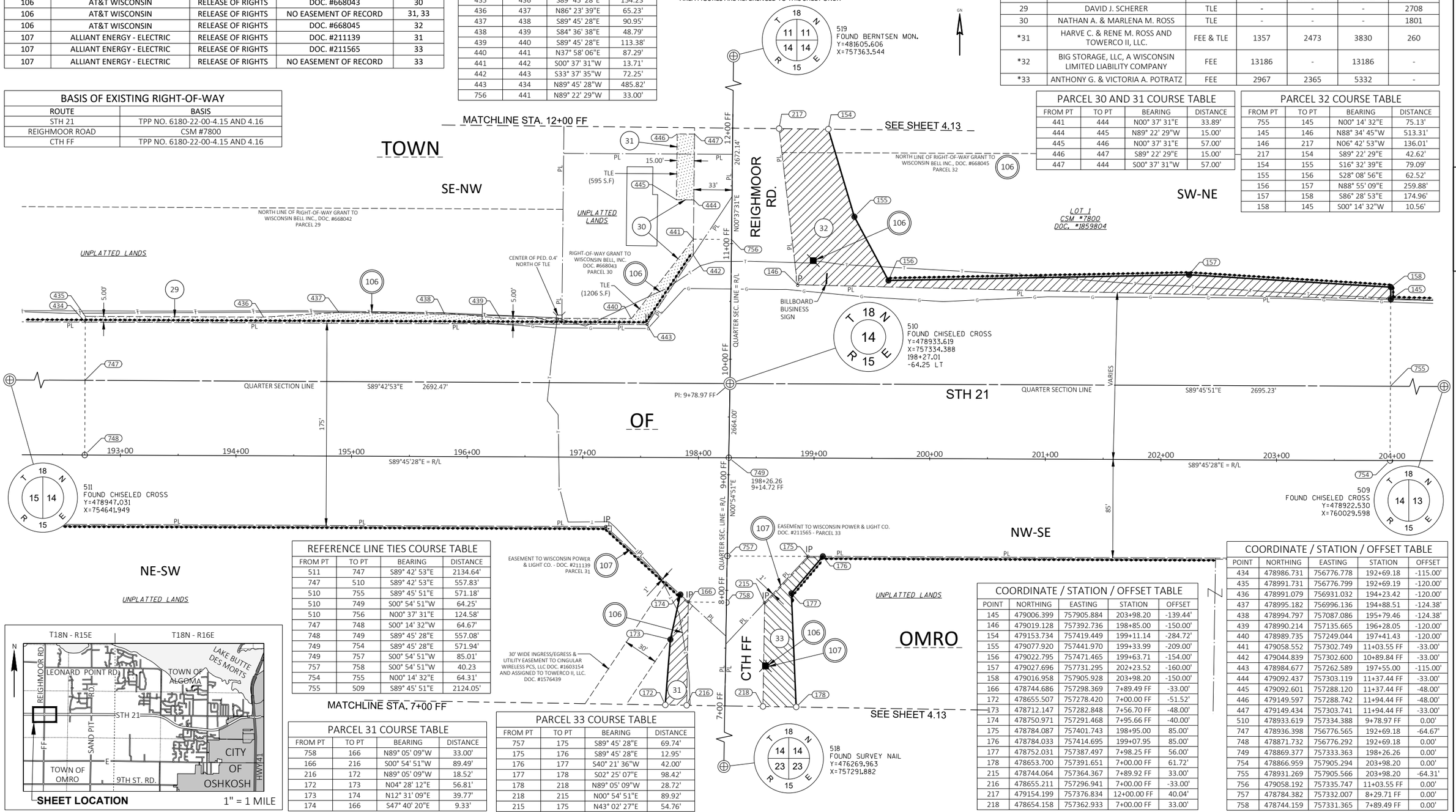
-AREA FIGURES ARE REFERENCED TO THIS SHEET ONLY.

*PARCELS 31, 32 & 33 ALSO LOCATED ON SHEET 4.13

SCHEDULE OF LANDS & INTERESTS REQUIRED						
PARCEL NUMBER	OWNER(S)	INTEREST(S) REQUIRED	FEE R/W REQUIRED S.F.			TLE S.F.
			NEW	EXISTING	TOTAL	
29	DAVID J. SCHERER	TLE	-	-	-	2708
30	NATHAN A. & MARLENA M. ROSS	TLE	-	-	-	1801
*31	HARVE C. & RENE M. ROSS AND TOWERCO II, LLC.	FEE & TLE	1357	2473	3830	260
*32	BIG STORAGE, LLC, A WISCONSIN LIMITED LIABILITY COMPANY	FEE	13186	-	13186	-
*33	ANTHONY G. & VICTORIA A. POTRATZ	FEE	2967	2365	5332	-

PARCEL 30 AND 31 COURSE TABLE			
FROM PT	TO PT	BEARING	DISTANCE
441	444	N00° 37' 31"E	33.89'
444	445	N89° 22' 29"W	15.00'
445	446	N00° 37' 31"E	57.00'
446	447	S89° 22' 29"E	15.00'
447	444	S00° 37' 31"W	57.00'

PARCEL 32 COURSE TABLE			
FROM PT	TO PT	BEARING	DISTANCE
755	145	N00° 14' 32"E	75.13'
145	146	N88° 34' 45"W	513.31'
146	217	N06° 42' 53"W	136.01'
217	154	S89° 22' 29"E	42.62'
154	155	S16° 32' 39"E	79.09'
155	156	S28° 08' 56"E	62.52'
156	157	N88° 55' 09"E	259.88'
157	158	S86° 28' 53"E	174.96'
158	145	S00° 14' 32"W	10.56'



REFERENCE LINE TIES COURSE TABLE			
FROM PT	TO PT	BEARING	DISTANCE
511	747	S89° 42' 53"E	2134.64'
747	510	S89° 42' 53"E	557.83'
510	755	S89° 45' 51"E	571.18'
510	749	S00° 54' 51"W	64.25'
510	756	N00° 37' 31"E	124.58'
747	748	S00° 14' 32"W	64.67'
748	749	S89° 45' 28"E	557.08'
749	754	S89° 45' 28"E	571.94'
749	757	S00° 54' 51"W	85.01'
757	758	S00° 54' 51"W	40.23
754	755	N00° 14' 32"E	64.31'
755	509	S89° 45' 51"E	2124.05'

PARCEL 31 COURSE TABLE			
FROM PT	TO PT	BEARING	DISTANCE
758	166	N89° 05' 09"W	33.00'
166	216	S00° 54' 51"W	89.49'
216	172	N89° 05' 09"W	18.52'
172	173	N04° 28' 12"E	56.81'
173	174	N12° 31' 09"E	39.77'
174	166	S47° 40' 20"E	9.33'

PARCEL 33 COURSE TABLE			
FROM PT	TO PT	BEARING	DISTANCE
757	175	S89° 45' 28"E	69.74'
175	176	S89° 45' 28"E	12.95'
176	177	S40° 21' 36"W	42.00'
177	178	S02° 25' 07"E	98.42'
178	218	N89° 05' 09"W	28.72'
218	215	N00° 54' 51"E	89.92'
215	175	N43° 02' 27"E	54.76'

COORDINATE / STATION / OFFSET TABLE				
POINT	NORTHING	EASTING	STATION	OFFSET
145	479006.399	757905.884	203+98.20	-139.44'
146	479019.128	757392.736	198+85.00	-150.00'
154	479153.734	757419.449	199+11.14	-284.72'
155	479077.920	757441.970	199+33.99	-209.00'
156	479022.795	757471.465	199+63.71	-154.00'
157	479027.696	757731.295	202+23.52	-160.00'
158	479016.958	757905.928	203+98.20	-150.00'
166	478744.686	757298.369	7+89.49 FF	-33.00'
172	478655.507	757278.420	7+00.00 FF	-51.52'
173	478712.147	757282.848	7+56.70 FF	-48.00'
174	478750.971	757291.468	7+95.66 FF	-40.00'
175	478784.087	757401.743	198+95.00	85.00'
176	478784.033	757414.695	199+07.95	85.00'
177	478752.031	757387.497	7+98.25 FF	56.00'
178	478653.700	757391.651	7+00.00 FF	61.72'
215	478744.064	757364.367	7+89.92 FF	33.00'
216	478655.211	757296.941	7+00.00 FF	-33.00'
217	479154.199	757376.834	12+00.00 FF	40.04'
218	478654.158	757362.933	7+00.00 FF	33.00'

COORDINATE / STATION / OFFSET TABLE				
POINT	NORTHING	EASTING	STATION	OFFSET
434	478986.731	756776.778	192+69.18	-115.00'
435	478991.731	756776.799	192+69.19	-120.00'
436	478991.079	756931.032	194+23.42	-120.00'
437	478995.182	756996.136	194+88.51	-124.38'
438	478994.797	757087.086	195+79.46	-124.38'
439	478990.214	757135.665	196+28.05	-120.00'
440	478989.735	757249.044	197+41.43	-120.00'
441	479058.552	757302.749	11+03.55 FF	-33.00'
442	479044.839	757302.600	10+89.84 FF	-33.00'
443	478984.677	757262.589	197+55.00	-115.00'
444	479092.437	757303.119	11+37.44 FF	-33.00'
445	479092.601	757288.120	11+37.44 FF	-48.00'
446	479149.597	757288.742	11+94.44 FF	-48.00'
447	479149.434	757303.741	11+94.44 FF	-33.00'
510	478933.619	757334.388	9+78.97 FF	0.00'
747	478936.398	756776.565	192+69.18	-64.67'
748	478871.732	756776.292	192+69.18	0.00'
749	478869.377	757333.363	198+26.26	0.00'
754	478866.959	757905.294	203+98.20	0.00'
755	478931.269	757905.566	203+98.20	-64.31'
756	479058.192	757335.747	11+03.55 FF	0.00'
757	478784.382	757332.007	8+29.71 FF	0.00'
758	478744.159	757331.365	7+89.49 FF	0.00'

REVISION DATE	DATE 6/30/2023	SCALE, FEET 0 40 80	HWY: STH 21	STATE R/W PROJECT NUMBER 6180-30-21 / PLAT SHEET 4.12
	GRID FACTOR N/A		COUNTY: WINNEBAGO	CONSTRUCTION PROJECT NUMBER 6180-30-71/72/73 / PS&E SHEET 336 E

FILE NAME : 6180-30-21.DWG
LAYOUT NAME - 4.12

PLOT DATE : 7/11/2023 3:44 PM PLOT BY : COLLINS, TROY PLOT NAME : PLOT SCALE : 1 IN:40 FT

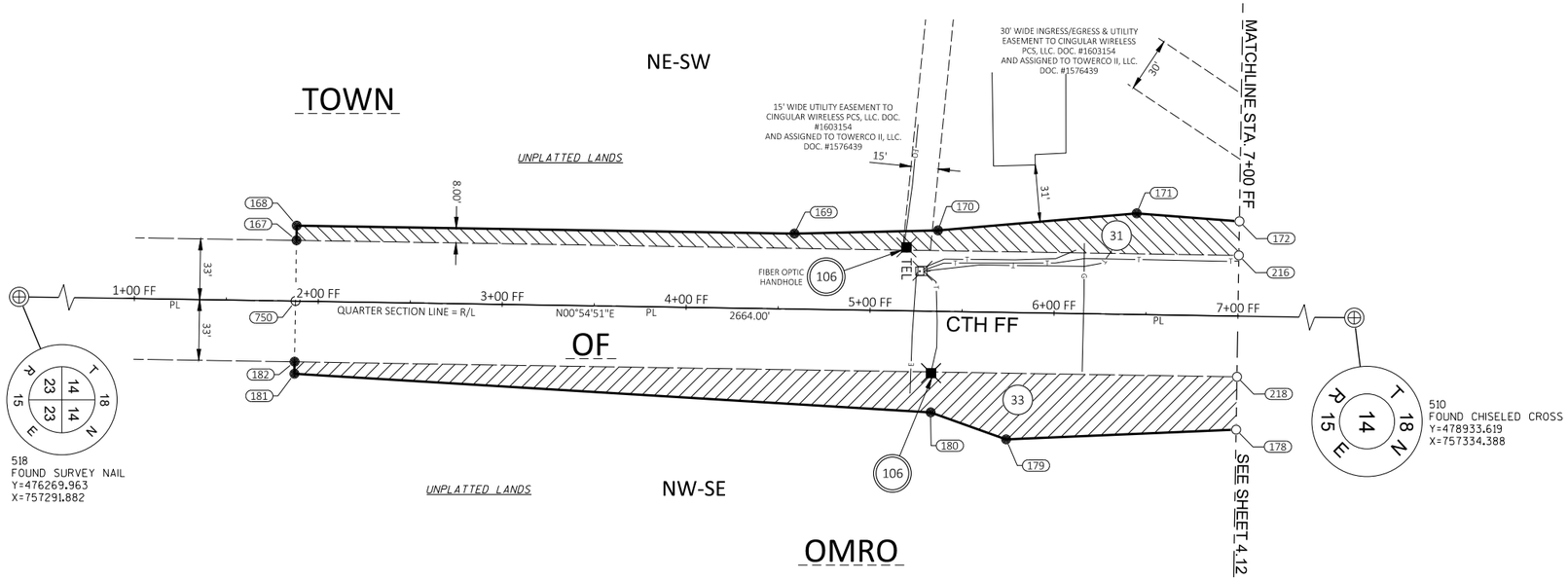
WISDOT/CADDS SHEET 75

COORDINATE / STATION / OFFSET TABLE				
POINT	NORTHING	EASTING	STATION	OFFSET
147	479208.903	757370.394	12+54.63 FF	33.00'
148	479679.048	757375.524	17+24.80 FF	33.00'
149	479679.016	757378.524	17+24.80 FF	36.00'
150	479576.345	757385.404	16+22.21 FF	44.00'
151	479388.902	757388.359	14+34.81 FF	49.00'
152	479282.190	757413.196	13+28.38 FF	75.00'
153	479237.041	757394.702	12+83.03 FF	57.00'
154	479153.734	757419.449	12+00.00 FF	82.65'
159	479285.372	757305.224	13+30.38 FF	-33.00'
160	479285.426	757300.225	13+30.38 FF	-38.00'
161	479343.832	757290.861	13+88.68 FF	-48.00'
162	479462.909	757301.161	15+07.87 FF	-39.00'
163	479525.296	757301.842	15+70.26 FF	-39.00'
164	479636.438	757306.055	16+81.44 FF	-36.00'
165	479636.405	757309.055	16+81.44 FF	-33.00'
178	478653.700	757391.651	7+00.00 FF	61.72'
179	478528.615	757396.934	5+75.02 FF	69.00'
180	478487.616	757382.278	5+33.79 FF	55.00'
181	478141.740	757361.256	1+87.62 FF	39.50'
182	478141.844	757354.757	1+87.62 FF	33.00'
217	479154.199	757376.834	12+00.00 FF	40.04'
448	479184.378	757304.122	12+29.38 FF	-33.00'
449	479184.541	757289.123	12+29.38 FF	-48.00'
450	479285.535	757290.225	13+30.38 FF	-48.00'
750	478142.370	757321.761	1+87.62 FF	0.00'
759	479285.012	757338.222	13+30.38 FF	0.00'
760	479636.045	757342.053	16+81.44 FF	0.00'
761	479679.409	757342.526	17+24.80 FF	0.00'

REFERENCE LINE TIES COURSE TABLE			
FROM PT	TO PT	BEARING	DISTANCE
518	750	N00° 54' 51"E	1872.65'
750	510	N00° 54' 51"E	791.35'
510	759	N00° 37' 31"E	351.41'
759	760	N00° 37' 31"E	351.05'
760	761	N00° 37' 31"E	43.37'
761	519	N00° 37' 31"E	1926.31'

PARCEL 31 COURSE TABLE			
FROM PT	TO PT	BEARING	DISTANCE
750	167	N89° 05' 09"W	33.00'
167	168	N89° 05' 09"W	8.00'
168	169	N00° 54' 51"E	270.54'
169	170	N01° 17' 10"W	78.14'
170	171	N04° 54' 43"W	108.36'
171	172	N04° 28' 11"E	56.06'
172	216	S89° 05' 09"E	18.52'
216	167	S00° 54' 51"W	512.38'

PARCEL 33 COURSE TABLE			
FROM PT	TO PT	BEARING	DISTANCE
750	182	S89° 05' 09"E	33.00'
182	181	S89° 05' 09"E	6.50'
181	180	N03° 28' 41"E	346.51'
180	179	N19° 40' 14"E	43.54'
179	178	N02° 25' 07"W	125.20'
178	218	N89° 05' 09"W	28.72'
218	182	S00° 54' 51"W	512.38'



PARCEL 29 COURSE TABLE			
FROM PT	TO PT	BEARING	DISTANCE
759	159	N89° 22' 29"W	33.00'
159	160	N89° 22' 29"W	5.00'
160	161	N09° 06' 28"W	59.15'
161	162	N04° 56' 37"E	119.52'
162	163	N00° 37' 31"E	62.39'
163	164	N02° 10' 15"E	111.22'
164	165	S89° 22' 29"E	3.00'
165	760	S89° 22' 29"E	33.00'
165	159	S00° 37' 31"W	351.05'

PARCEL 29 AND 31 COURSE TABLE			
FROM PT	TO PT	BEARING	DISTANCE
159	448	S00° 37' 31"W	101.00'
448	449	N89° 22' 29"W	15.00'
449	450	N00° 37' 31"E	101.00'
450	159	S89° 22' 29"E	15.00'

PARCEL 32 COURSE TABLE			
FROM PT	TO PT	BEARING	DISTANCE
761	148	S89° 22' 29"E	33.00'
148	149	S89° 22' 29"E	3.00'
149	150	S03° 50' 02"E	102.90'
150	151	S00° 54' 11"E	187.47'
151	152	S13° 06' 09"E	109.56'
152	153	S22° 16' 29"W	48.79'
153	154	S16° 32' 39"E	86.90'
154	217	N89° 22' 29"W	42.62'
217	147	N06° 42' 53"W	55.08'
147	148	N00° 37' 31"E	470.17'

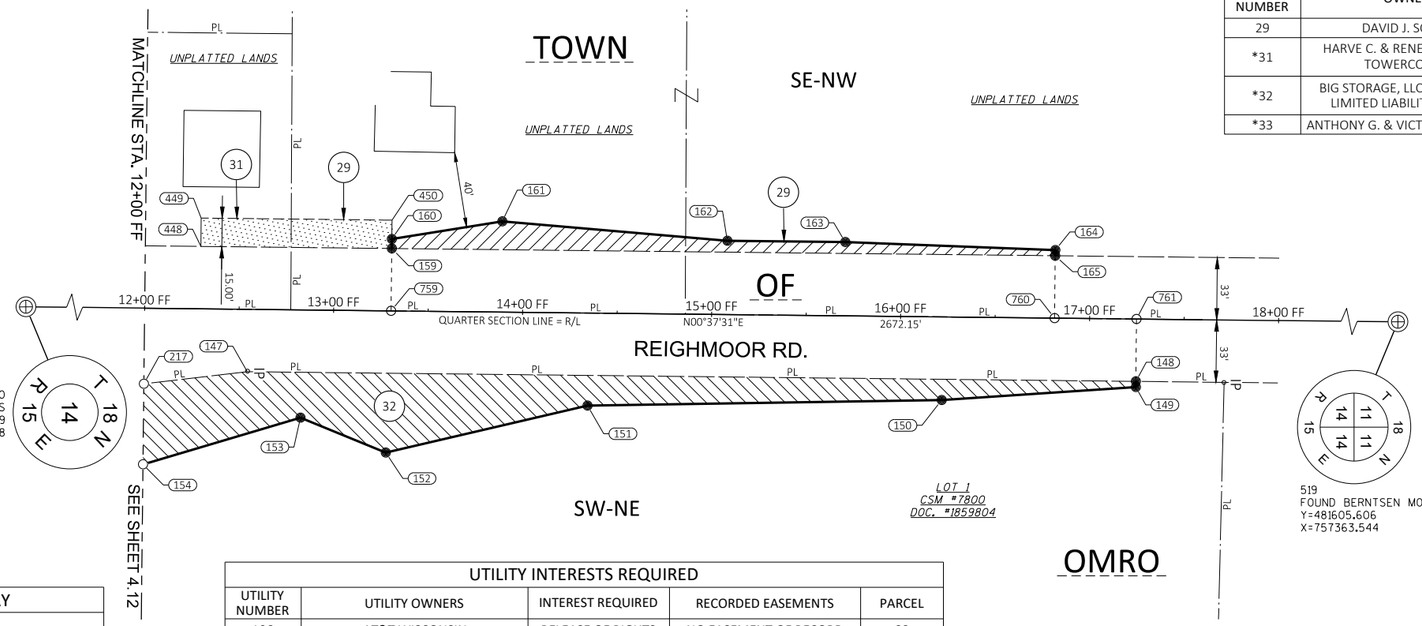
*PARCELS 31, 32 & 33 ALSO LOCATED ON SHEET 4.12

SCHEDULE OF LANDS & INTERESTS REQUIRED						
PARCEL NUMBER	OWNER(S)	INTEREST(S) REQUIRED	FEE R/W REQUIRED S.F.			TLE S.F.
			NEW	EXISTING	TOTAL	
29	DAVID J. SCHERER	FEE & TLE	2709	11585	14294	799
*31	HARVE C. & RENE M. ROSS AND TOWERCO II, LLC.	FEE & TLE	5819	16909	22728	716
*32	BIG STORAGE, LLC, A WISCONSIN LIMITED LIABILITY COMPANY	FEE	10697	-	10697	-
*33	ANTHONY G. & VICTORIA A. POTRATZ	FEE	10173	16909	27082	-

-OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT.

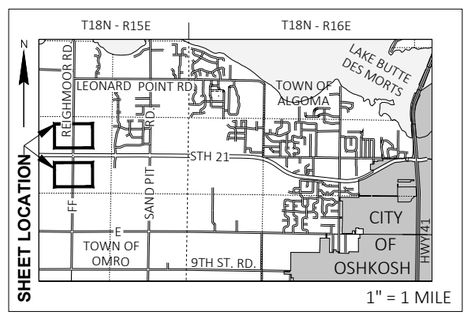
-ALL AREAS SHOWN IN SQUARE FEET UNLESS OTHERWISE NOTED. THE PURPOSE FOR ALL TLE'S IS FOR SLOPING AND GRADING UNLESS OTHERWISE NOTED.

-AREA FIGURES ARE REFERENCED TO THIS SHEET ONLY.



BASIS OF EXISTING RIGHT-OF-WAY	
ROUTE	BASIS
REIGHMOOR ROAD	CSM #7800
CTH FF	TPP NO. 6180-22-00-4.15 AND 4.16

UTILITY INTERESTS REQUIRED				
UTILITY NUMBER	UTILITY OWNERS	INTEREST REQUIRED	RECORDED EASEMENTS	PARCEL
106	AT&T WISCONSIN	RELEASE OF RIGHTS	NO EASEMENT OF RECORD	33
106	AT&T WISCONSIN	RELEASE OF RIGHTS	DOC. #1603154	31



REVISION DATE

DATE 6/30/2023

GRID FACTOR N/A

SCALE, FEET 0 40 80

HWY: STH 21

COUNTY: WINNEBAGO

STATE R/W PROJECT NUMBER 6180-30-21

CONSTRUCTION PROJECT NUMBER 6180-30-71/72/73

PLAT SHEET 4.13

PS&E SHEET 337 E

FILE NAME : 6180-30-21.DWG
LAYOUT NAME - 4.13

PLOT DATE : 7/11/2023 3:44 PM PLOT BY : COLLINS, TROY PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 75

PARCEL 35 COURSE TABLE			
FROM PT	TO PT	BEARING	DISTANCE
768	194	N00° 06' 14"E	62.51'
194	195	N89° 53' 46"W	389.34'
195	196	N41° 01' 18"W	38.51'
196	220	N05° 19' 24"W	120.16'
220	201	S89° 12' 49"E	24.79'
201	202	S12° 43' 07"E	84.96'
202	203	S41° 38' 27"E	58.29'
203	204	S89° 03' 44"E	343.62'
204	194	S00° 06' 14"W	17.00'
194	458	N00° 06' 14"E	5.00'
458	459	S89° 53' 46"E	105.99'
459	460	N88° 10' 34"E	124.58'
460	461	S01° 49' 26"E	5.00'
461	462	S88° 10' 34"W	124.67'
462	194	N89° 53' 46"W	106.08'

PARCEL 34 COURSE TABLE			
FROM PT	TO PT	BEARING	DISTANCE
762	183	N00° 06' 14"E	62.09'
183	184	N77° 16' 11"E	108.83'
184	185	N38° 46' 37"E	98.76'
185	186	N02° 21' 47"W	48.62'
186	219	S89° 12' 49"E	33.67'
219	192	S00° 47' 11"W	41.84'
192	193	S46° 58' 55"W	157.44'
193	183	N89° 53' 46"W	83.99'

-OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT.

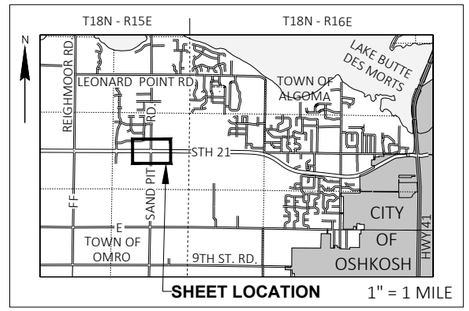
-ALL AREAS SHOWN IN SQUARE FEET UNLESS OTHERWISE NOTED. THE PURPOSE FOR ALL TLE'S IS FOR SLOPING AND GRADING UNLESS OTHERWISE NOTED.

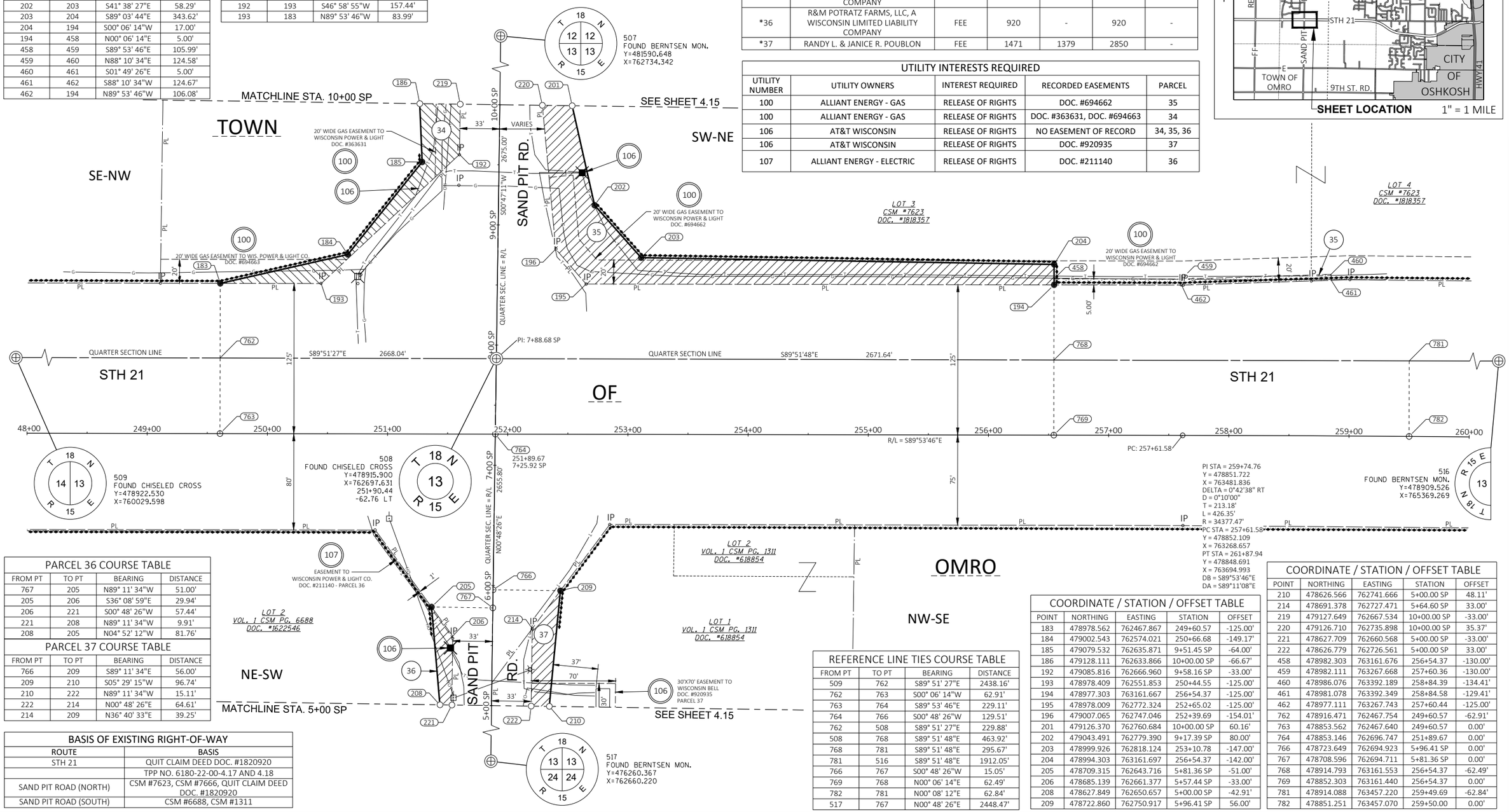
-AREA FIGURES ARE REFERENCED TO THIS SHEET ONLY.

*PARCELS 34, 35, 36 & 37 ALSO LOCATED ON SHEET 4.15

SCHEDULE OF LANDS & INTERESTS REQUIRED						
PARCEL NUMBER	OWNER(S)	INTEREST(S) REQUIRED	FEE R/W REQUIRED S.F.			TLE S.F.
			NEW	EXISTING	TOTAL	
*34	MECHANICAL SERVICES INC.	FEE	3682	-	3682	-
*35	JONMAR INVESTMENTS, LLC, A WISCONSIN LIMITED LIABILITY COMPANY	FEE & TLE	12717	-	12717	1153
*36	R&M POTRATZ FARMS, LLC, A WISCONSIN LIMITED LIABILITY COMPANY	FEE	920	-	920	-
*37	RANDY L. & JANICE R. POUBLON	FEE	1471	1379	2850	-

UTILITY INTERESTS REQUIRED				
UTILITY NUMBER	UTILITY OWNERS	INTEREST REQUIRED	RECORDED EASEMENTS	PARCEL
100	ALLIANT ENERGY - GAS	RELEASE OF RIGHTS	DOC. #694662	35
100	ALLIANT ENERGY - GAS	RELEASE OF RIGHTS	DOC. #363631, DOC. #694663	34
106	AT&T WISCONSIN	RELEASE OF RIGHTS	NO EASEMENT OF RECORD	34, 35, 36
106	AT&T WISCONSIN	RELEASE OF RIGHTS	DOC. #920935	37
107	ALLIANT ENERGY - ELECTRIC	RELEASE OF RIGHTS	DOC. #211140	36





PARCEL 36 COURSE TABLE			
FROM PT	TO PT	BEARING	DISTANCE
767	205	N89° 11' 34"W	51.00'
205	206	S36° 08' 59"E	29.94'
206	221	S00° 48' 26"W	57.44'
221	208	N89° 11' 34"W	9.91'
208	205	N04° 52' 12"W	81.76'

PARCEL 37 COURSE TABLE			
FROM PT	TO PT	BEARING	DISTANCE
766	209	S89° 11' 34"E	56.00'
209	210	S05° 29' 15"W	96.74'
210	222	N89° 11' 34"W	15.11'
222	214	N00° 48' 26"E	64.61'
214	209	N36° 40' 33"E	39.25'

BASIS OF EXISTING RIGHT-OF-WAY	
ROUTE	BASIS
STH 21	QUIT CLAIM DEED DOC. #1820920
	TPP NO. 6180-22-00-4.17 AND 4.18
SAND PIT ROAD (NORTH)	CSM #7623, CSM #7666, QUIT CLAIM DEED DOC. #1820920
SAND PIT ROAD (SOUTH)	CSM #6688, CSM #1311

REFERENCE LINE TIES COURSE TABLE			
FROM PT	TO PT	BEARING	DISTANCE
509	762	S89° 51' 27"E	2438.16'
762	763	S00° 06' 14"W	62.91'
763	764	S89° 53' 46"E	229.11'
764	766	S00° 48' 26"W	129.51'
762	508	S89° 51' 27"E	229.88'
508	768	S89° 51' 48"E	463.92'
768	781	S89° 51' 48"E	295.67'
781	516	S89° 51' 48"E	1912.05'
766	767	S00° 48' 26"W	15.05'
769	768	N00° 06' 14"E	62.49'
782	781	N00° 08' 12"E	62.84'
517	767	N00° 48' 26"E	2448.47'

COORDINATE / STATION / OFFSET TABLE				
POINT	NORTHING	EASTING	STATION	OFFSET
183	478978.562	762467.867	249+60.57	-125.00'
184	479002.543	762574.021	250+66.68	-149.17'
185	479079.532	762635.871	9+51.45 SP	-64.00'
186	479128.111	762633.866	10+00.00 SP	-66.67'
192	479085.816	762666.960	9+58.16 SP	-33.00'
193	478978.409	762551.853	250+44.55	-125.00'
194	478977.303	763161.667	256+54.37	-125.00'
195	478978.009	762772.324	252+65.02	-125.00'
196	479007.065	762747.046	252+39.69	-154.01'
201	479126.370	762760.684	10+00.00 SP	60.16'
202	479043.491	762779.390	9+17.39 SP	80.00'
203	478999.926	762818.124	253+10.78	-147.00'
204	478994.303	763161.697	256+54.37	-142.00'
205	478709.315	762643.716	5+81.36 SP	-51.00'
206	478685.139	762661.377	5+57.44 SP	-33.00'
208	478627.849	762650.657	5+00.00 SP	-42.91'
209	478722.860	762750.917	5+96.41 SP	56.00'

COORDINATE / STATION / OFFSET TABLE				
POINT	NORTHING	EASTING	STATION	OFFSET
210	478626.566	762741.666	5+00.00 SP	48.11'
214	478691.378	762727.471	5+64.60 SP	33.00'
219	479127.649	762667.534	10+00.00 SP	-33.00'
220	479126.710	762735.898	10+00.00 SP	35.37'
221	478627.709	762660.568	5+00.00 SP	-33.00'
222	478626.779	762726.561	5+00.00 SP	33.00'
458	478982.303	763161.676	256+54.37	-130.00'
459	478982.111	763267.668	257+60.36	-130.00'
460	478986.076	763392.189	258+84.39	-134.41'
461	478981.078	763392.349	258+84.58	-129.41'
462	478977.111	763267.743	257+60.44	-125.00'
762	478916.471	762467.754	249+60.57	-62.91'
763	478853.562	762467.640	249+60.57	0.00'
764	478853.146	762696.747	251+89.67	0.00'
766	478723.649	762694.923	5+96.41 SP	0.00'
767	478708.596	762694.711	5+81.36 SP	0.00'
768	478914.793	763161.553	256+54.37	-62.49'
769	478852.303	763161.440	256+54.37	0.00'
781	478914.088	763457.220	259+49.69	-62.84'
782	478851.251	763457.070	259+50.00	0.00'

REVISION DATE

DATE 6/30/2023

GRID FACTOR N/A

SCALE, FEET 0 40 80

HWY: STH 21

COUNTY: WINNEBAGO

STATE R/W PROJECT NUMBER 6180-30-21

CONSTRUCTION PROJECT NUMBER 6180-30-71/72/73

PLAT SHEET 4.14

PS&E SHEET 338 E

FILE NAME : 6180-30-21.DWG
LAYOUT NAME - 4.14

PLOT DATE : 7/11/2023 3:44 PM PLOT BY : COLLINS, TROY PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 75

*PARCELS 34, 35, 36 & 37 ALSO LOCATED ON SHEET 4.14

SCHEDULE OF LANDS & INTERESTS REQUIRED						
PARCEL NUMBER	OWNER(S)	INTEREST(S) REQUIRED	FEE R/W REQUIRED S.F.			TLE S.F.
			NEW	EXISTING	TOTAL	
31	HARVE C. & RENE M. ROSS	FEE & TLE	2273	-	2273	340
*34	MECHANICAL SERVICES INC.	FEE	5782	-	5782	-
*35	JONMAR INVESTMENTS, LLC, A WISCONSIN LIMITED LIABILITY COMPANY	FEE & TLE	2705	-	2705	1880
*36	R&M POTRATZ FARMS, LLC, A WISCONSIN LIMITED LIABILITY COMPANY	FEE & TLE	494	-	494	901
*37	RANDY L. & JANICE R. POUBLON	FEE	159	367	526	-
38	JAMES B. & MARGARET A. POTRATZ	FEE	2020	7348	9368	-

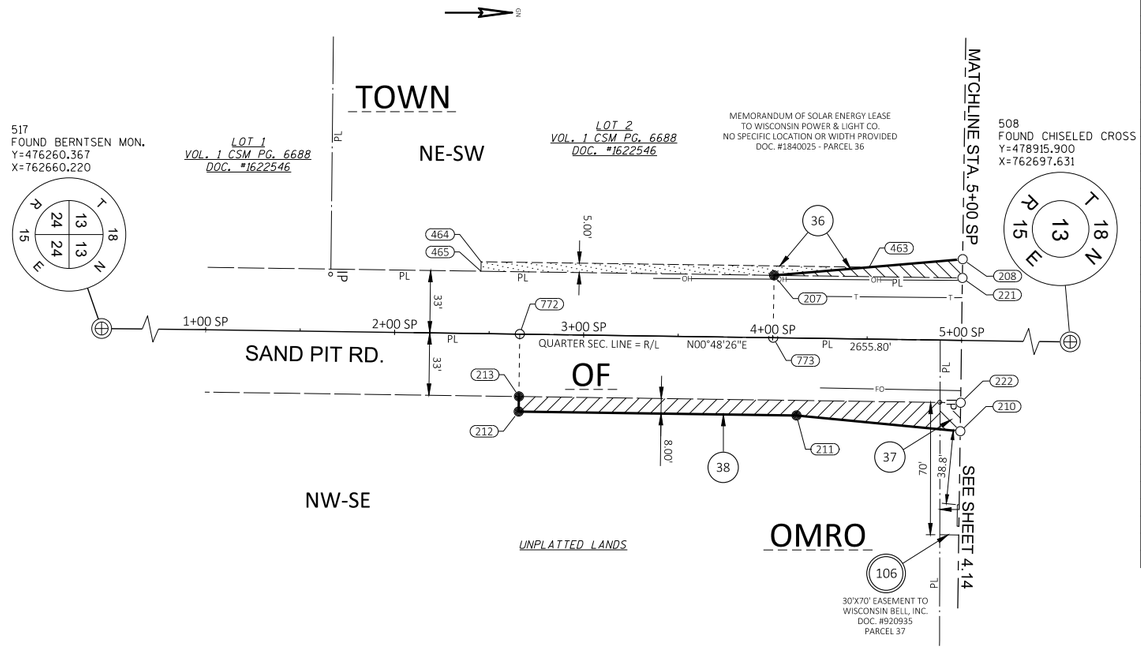
-OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT.

-ALL AREAS SHOWN IN SQUARE FEET UNLESS OTHERWISE NOTED. THE PURPOSE FOR ALL TLE'S IS FOR SLOPING AND GRADING UNLESS OTHERWISE NOTED.

-AREA FIGURES ARE REFERENCED TO THIS SHEET ONLY.

UTILITY INTERESTS REQUIRED				
UTILITY NUMBER	UTILITY OWNERS	INTEREST REQUIRED	RECORDED EASEMENTS	PARCEL
106	AT&T	RELEASE OF RIGHTS	DOC. #920935	37
106	AT&T	RELEASE OF RIGHTS	NO EASEMENT OF RECORD	31, 34
100	ALLIANT ENERGY - GAS	RELEASE OF RIGHTS	DOC. 363631	34
100	ALLIANT ENERGY - GAS	RELEASE OF RIGHTS	NO EASEMENT OF RECORD	31

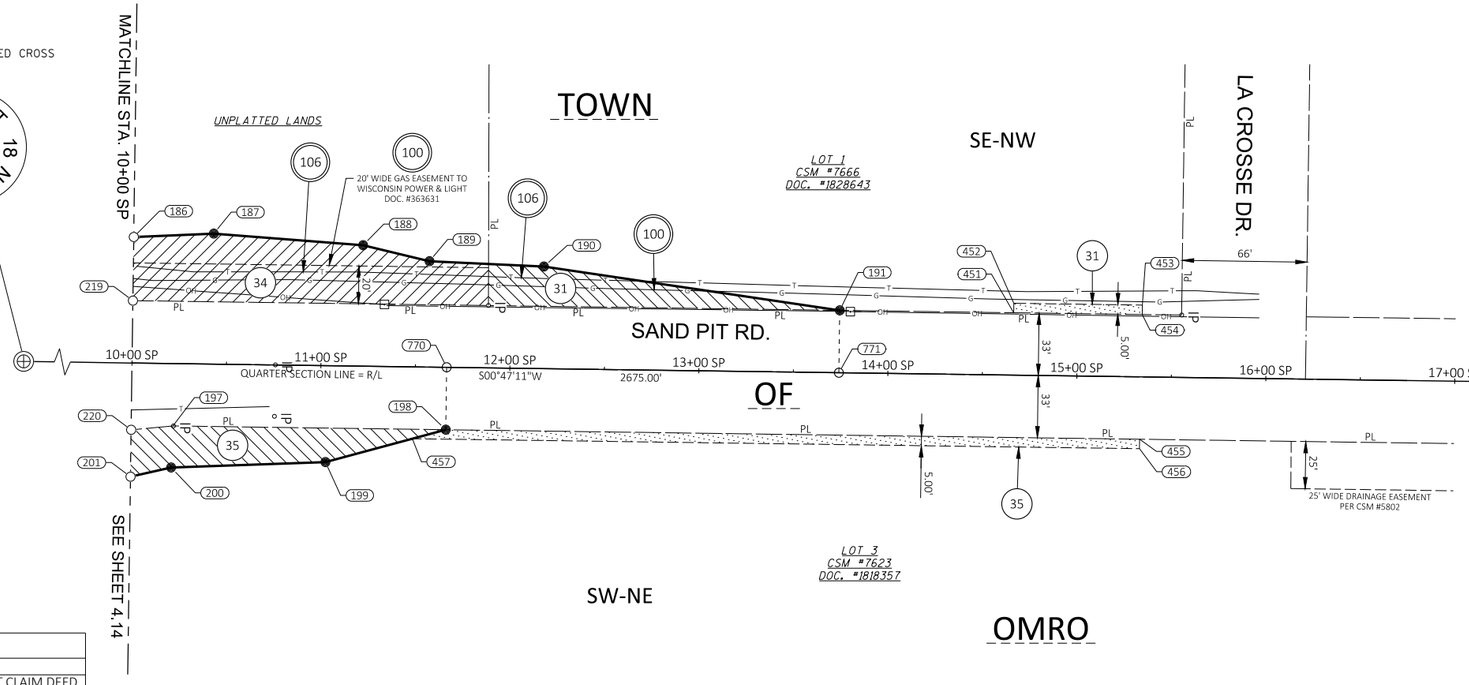
REFERENCE LINE TIES COURSE TABLE			
FROM PT	TO PT	BEARING	DISTANCE
508	770	N00° 47' 11"E	377.84'
770	771	N00° 47' 11"E	207.55'
771	507	N00° 47' 11"E	2089.61'
517	772	N00° 48' 26"E	2133.31'
772	773	N00° 48' 26"E	134.09'
773	508	N00° 48' 26"E	388.40'



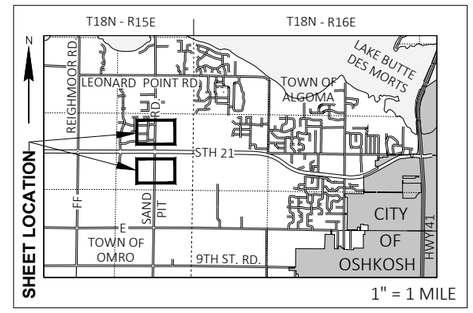
COORDINATE / STATION / OFFSET TABLE				
POINT	NORTHING	EASTING	STATION	OFFSET
186	479128.111	762633.866	10+00.00 SP	-66.67'
187	479170.462	762632.118	10+42.32 SP	-69.00'
188	479249.463	762638.203	11+21.40 SP	-64.00'
189	479284.615	762646.686	11+56.67 SP	-56.00'
190	479345.158	762649.517	12+17.24 SP	-54.00'
191	479501.690	762672.668	13+74.08 SP	-33.00'
197	479148.884	762733.832	10+22.14 SP	33.00'
198	479293.249	762735.813	11+66.52 SP	33.00'
199	479229.583	762752.941	11+03.10 SP	51.00'
200	479147.918	762755.821	10+21.48 SP	55.00'
201	479126.370	762760.684	10+00.00 SP	60.16'
207	478528.008	762659.163	4+00.29 SP	-33.00'
208	478627.849	762650.657	5+00.00 SP	-42.91'
210	478626.566	762741.666	5+00.00 SP	48.11'
211	478539.877	762733.338	4+13.20 SP	41.00'
212	478392.892	762731.267	2+66.20 SP	41.00'
213	478393.005	762723.268	2+66.20 SP	33.00'
451	479593.765	762673.932	14+66.16 SP	-33.00'
452	479593.834	762668.932	14+66.16 SP	-38.00'
453	479661.828	762669.865	15+34.16 SP	-38.00'
454	479661.759	762674.865	15+34.16 SP	-33.00'
455	479660.355	762740.852	15+33.66 SP	33.00'
456	479660.286	762745.851	15+33.66 SP	38.00'
457	479275.564	762740.571	11+48.90 SP	38.00'
463	478578.335	762654.872	4+50.55 SP	-38.00'
464	478373.039	762651.979	2+45.23 SP	-38.00'
465	478372.968	762656.979	2+45.23 SP	-33.00'
770	479293.702	762702.816	11+66.52 SP	0.00'
771	479501.237	762705.665	13+74.08 SP	0.00'
772	478393.470	762690.271	2+66.20 SP	0.00'
773	478527.544	762692.160	4+00.29 SP	0.00'

PARCEL 31 AND 34 COURSE TABLE			
FROM PT	TO PT	BEARING	DISTANCE
186	219	S89° 12' 49"E	33.67'
219	191	N00° 47' 11"E	374.08'
186	187	N02° 21' 47"W	42.39'
187	188	N04° 24' 15"E	79.24'
188	189	N13° 34' 04"E	36.16'
189	190	N02° 40' 38"E	60.61'
190	191	N08° 24' 46"E	158.24'
771	191	N89° 12' 49"W	33.00'
PARCEL 31 T.L.E. COURSE TABLE			
191	451	N00° 47' 11"E	92.08'
451	452	N89° 12' 49"W	5.00'
452	453	N00° 47' 11"E	68.00'
453	454	S89° 12' 49"E	5.00'
454	451	S00° 47' 11"W	68.00'
PARCEL 36 COURSE TABLE			
773	207	N89° 11' 34"W	33.00'
207	208	N04° 52' 12"W	100.20'
208	221	S89° 11' 34"E	9.91'
221	207	S00° 48' 26"W	99.71'
207	465	S00° 48' 26"W	155.06'
465	464	N89° 11' 34"W	5.00'
464	463	N00° 48' 26"E	205.32'
463	207	S04° 52' 26"E	50.51'

PARCEL 37 AND 38 COURSE TABLE			
FROM PT	TO PT	BEARING	DISTANCE
772	213	S89° 11' 34"E	33.00'
213	222	N00° 48' 26"E	233.80'
222	210	S89° 11' 34"E	15.11'
210	211	S05° 29' 16"W	87.09'
211	212	S00° 48' 26"W	147.00'
212	213	N89° 11' 34"W	8.00'
PARCEL 35 COURSE TABLE			
770	198	S89° 12' 49"E	33.00'
198	199	S15° 03' 28"E	65.93'
199	200	S02° 01' 10"E	81.72'
200	201	S12° 43' 07"E	22.09'
201	220	N89° 12' 49"E	24.79'
220	197	N05° 19' 24"W	22.27'
197	198	N00° 47' 11"E	144.38'
198	455	N00° 47' 11"E	367.14'
455	456	S89° 12' 49"E	5.00'
456	457	S00° 47' 11"W	384.76'
457	198	N15° 03' 28"W	18.31'



BASIS OF EXISTING RIGHT-OF-WAY	
ROUTE	BASIS
SAND PIT ROAD (NORTH)	CSM #7623, CSM #7666, QUIT CLAIM DEED DOC. #1820920
SAND PIT ROAD (SOUTH)	CSM #6688, CSM #1311



REVISION DATE

DATE 6/30/2023

GRID FACTOR N/A

SCALE, FEET 0 40 80

HWY: STH 21

COUNTY: WINNEBAGO

STATE R/W PROJECT NUMBER 6180-30-21

CONSTRUCTION PROJECT NUMBER 6180-30-71/72/73

PLAT SHEET 4.15

PS&E SHEET 339

E

FILE NAME : 6180-30-21.DWG
LAYOUT NAME - 4.15

PLOT DATE : 7/11/2023 3:44 PM PLOT BY : COLLINS, TROY PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 75

4

4

N

BUTT JOINT REQUIRED

REMOVE AND REPLACE 38 LF OF CONCRETE CURB AND GUTTER 30-INCH TYPE A

REMOVE AND REPLACE 21 LF OF CONCRETE CURB AND GUTTER 30-INCH TYPE A

REMOVE AND REPLACE 19 LF OF CONCRETE CURB AND GUTTER 30-INCH TYPE A

EXISTING R/W

PI 3+53.05

TLE

TLE

BP 0+00.00

5

5

BUTT JOINT REQUIRED

600
BM

1+00 | S89°18'59"E | 2+00 | 3+00 | 4+00 | 5+00 | S89°09'22"E | 6+00

STH 21

BEGIN PROJECT
STA 0+81.00
Y=481,253.835
X=737,951.560

REMOVE AND REPLACE 24 LF OF CONCRETE CURB AND GUTTER 30-INCH TYPE A

REMOVING ASPHALTIC SURFACE

REMOVE AND REPLACE 9 LF OF CONCRETE CURB AND GUTTER 30-INCH TYPE D

ADAMS AVE

REMOVE AND REPLACE 23 LF OF CONCRETE CURB AND GUTTER 30-INCH TYPE A

PROPOSED RW

EXISTING RW

BUTT JOINT REQUIRED

601
BM

REMOVE AND REPLACE 27 LF OF CONCRETE CURB AND GUTTER 30-INCH TYPE A

PROPOSED RW

TLE

REMOVE AND REPLACE 14 LF OF CONCRETE CURB AND GUTTER 30-INCH TYPE D

BUTT JOINT REQUIRED

REMOVING ASPHALTIC SURFACE

TLE

REMOVE AND REPLACE 27 LF OF CONCRETE CURB AND GUTTER 30-INCH TYPE A

REMOVE AND REPLACE 14 LF OF CONCRETE CURB AND GUTTER 30-INCH TYPE D

JEFFERSON AVE/ STH 116

LEGEND

- ✱ CURB RAMP IMPROVEMENTS (SEE CURB RAMP DETAILS)
- YYYYYY SAWING CONCRETE
- XXXXXX SAWING ASPHALT
- TLE LIMITS
- SLOPE INTERCEPTS
- REMOVING ASPHALTIC SURFACE
- CONCRETE BASE PATCHING
- CONCRETE PAVEMENT REPAIR
- CONCRETE PAVEMENT REPLACEMENT

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	PLAN	SHEET 340	E

FILE NAME : N:\PDS\C3D\61803000\SHEETSPLAN\050201-PN.DWG
LAYOUT NAME - 050201-pn

PLOT DATE : 7/25/2025 6:57 AM PLOT BY : BALDERAS-RUEDEN, ANN PLOT NAME : PLOT SCALE : 1 IN:40 FT

N

BUTT JOINT REQUIRED

REMOVE AND REPLACE 48 LF OF
CONCRETE CURB AND GUTTER
6-INCH SLOPED 36-INCH TYPE A

RECENT CURB RAMP UPDATES.
NO WORK NECESSARY.

XXXXXXXXXXXXXX

EXISTING R/W

TLE

602
BM

5

5

7+00

8+00

9+00

10+00

S89°34'00"E

11+00

12+00

STH 21

603
BM

Pt. 8+08.49

EXISTING R/W

XXXXXXXXXXXXXXXXX

REMOVE AND REPLACE 47 LF OF
CONCRETE CURB AND GUTTER
6-INCH SLOPED 36-INCH TYPE A

BUTT JOINT REQUIRED

REMOVE AND REPLACE 54 LF OF
CONCRETE CURB AND GUTTER
6-INCH SLOPED 36-INCH TYPE A

REMOVING ASPHALTIC SURFACE

REMOVE AND REPLACE 7 LF OF
CONCRETE CURB AND GUTTER
30-INCH TYPE D

REMOVE AND REPLACE 8 LF OF
CONCRETE CURB AND GUTTER
30-INCH TYPE D

WEBSTER AVE/ CTH F

LEGEND

- ✱ CURB RAMP IMPROVEMENTS (SEE CURB RAMP DETAILS)
- YYYYYY SAWING CONCRETE
- XXXXXX SAWING ASPHALT
- TLE LIMITS
- SLOPE INTERCEPTS
- REMOVING ASPHALTIC SURFACE
- CONCRETE BASE PATCHING
- CONCRETE PAVEMENT REPAIR
- CONCRETE PAVEMENT REPLACEMENT

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	PLAN	SHEET 341	E

FILE NAME : N:\PDS\C3D\61803000\SHEETSPLAN\050201-PN.DWG
LAYOUT NAME - 050202-pn

PLOT DATE : 7/25/2025 6:57 AM PLOT BY : BALDERAS-RUEDEN, ANN PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

5

5

13+00 14+00 S89°34'00"E 15+00 16+00 17+00 18+00

STH 21

N

REMOVE AND REPLACE 20 LF OF CONCRETE CURB AND GUTTER 30-INCH TYPE A

REMOVE AND REPLACE 22 LF OF CONCRETE CURB AND GUTTER 30-INCH TYPE A

EXISTING R/W

605 BM

TLE

TLE

REMOVING ASPHALTIC SURFACE

REMOVING ASPHALTIC SURFACE

604 BM

PROPOSED RW

REMOVE AND REPLACE 13 LF OF CONCRETE CURB AND GUTTER 30-INCH TYPE A

REMOVE AND REPLACE 7 LF OF CONCRETE CURB AND GUTTER 30-INCH TYPE D

BUTT JOINT REQUIRED

REMOVE AND REPLACE 6 LF OF CONCRETE CURB AND GUTTER 30-INCH TYPE D

REMOVE AND REPLACE 23 LF OF CONCRETE CURB AND GUTTER 30-INCH TYPE A

EXISTING R/W

PROPOSED RW

REMOVE AND REPLACE 18 LF OF CONCRETE CURB AND GUTTER 30-INCH TYPE A

BUTT JOINT REQUIRED

PROPOSED RW

REMOVE AND REPLACE 13 LF OF CONCRETE CURB AND GUTTER 30-INCH TYPE A

REMOVE AND REPLACE 13 LF OF CONCRETE CURB AND GUTTER 30-INCH TYPE D

MADISON AVE

MONROE AVE

LEGEND

- ✱ CURB RAMP IMPROVEMENTS (SEE CURB RAMP DETAILS)
- SAWING CONCRETE
- SAWING ASPHALT
- TLE LIMITS
- SLOPE INTERCEPTS
- REMOVING ASPHALTIC SURFACE
- CONCRETE BASE PATCHING
- CONCRETE PAVEMENT REPAIR
- CONCRETE PAVEMENT REPLACEMENT

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	PLAN	SHEET 342	E

FILE NAME : N:\PDS\C3D\61803000\SHEETSPLAN\050201-PN.DWG
LAYOUT NAME - 050203-pn

PLOT DATE : 7/25/2025 6:57 AM PLOT BY : BALDERAS-RUEDEN, ANN PLOT NAME : PLOT SCALE : 1 IN:40 FT

N

REMOVE AND REPLACE 21 LF OF
CONCRETE CURB AND GUTTER
30-INCH TYPE A

VETERANS
MEMORIAL

REMOVE AND REPLACE 25 LF OF
CONCRETE CURB AND GUTTER
30-INCH TYPE A

EXISTING R/W

BUTT JOINT REQUIRED

REMOVE AND REPLACE 36 LF OF
CONCRETE CURB AND GUTTER
30-INCH TYPE A

SCOTT PARK DR

TLE

PI: 21+25.98

5

19+00 S89°34'00"E 20+00 21+00 22+00 23+00 S89°37'59"E 24+00 25+00

STH 21

REMOVING
ASPHALTIC
SURFACE

REMOVE AND REPLACE 14 LF OF
CONCRETE CURB AND GUTTER
30-INCH TYPE A

PROPOSED RW

REMOVE AND REPLACE 4 LF OF
CONCRETE CURB AND GUTTER
30-INCH TYPE D

BUTT JOINT
REQUIRED

REMOVE AND REPLACE 28 LF OF
CONCRETE CURB AND GUTTER
30-INCH TYPE A

REMOVE AND REPLACE 7 LF OF
CONCRETE CURB AND GUTTER
30-INCH TYPE D

EXISTING R/W

REMOVE AND REPLACE 22 LF OF
CONCRETE CURB AND GUTTER
30-INCH TYPE A

QUINCY AVE

LEGEND

- ✱ CURB RAMP IMPROVEMENTS (SEE CURB RAMP DETAILS)
- YYYYYY SAWING CONCRETE
- XXXXXX SAWING ASPHALT
- TLE LIMITS
- SLOPE INTERCEPTS
- REMOVING ASPHALTIC SURFACE
- CONCRETE BASE PATCHING
- CONCRETE PAVEMENT REPAIR
- CONCRETE PAVEMENT REPLACEMENT

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	PLAN	SHEET 343	E

N

REMOVE AND REPLACE 15 LF OF
CONCRETE CURB AND GUTTER
30-INCH TYPE D

REMOVE AND REPLACE 20 LF OF
CONCRETE CURB AND GUTTER
30-INCH TYPE A

EXISTING R/W

REMOVE AND REPLACE 24 LF OF
CONCRETE CURB AND GUTTER
30-INCH TYPE A

5

5

26+00 27+00 S89°37'59"E 28+00 29+00 30+00 31+00

STH 21

REMOVING ASPHALTIC SURFACE

606
BM

607
BM

REMOVE AND REPLACE 23 LF OF
CONCRETE CURB AND GUTTER
30-INCH TYPE A

REMOVE AND REPLACE 9 LF OF
CONCRETE CURB AND GUTTER
30-INCH TYPE D

BUTT JOINT REQUIRED

REMOVE AND REPLACE 4 LF OF
CONCRETE CURB AND GUTTER
30-INCH TYPE D

REMOVE AND REPLACE 21 LF OF
CONCRETE CURB AND GUTTER
30-INCH TYPE A

EXISTING R/W

REMOVE AND REPLACE 17 LF OF
CONCRETE CURB AND GUTTER
30-INCH TYPE A

BUTT JOINT REQUIRED

PROPOSED RW

REMOVE AND REPLACE 32 LF OF
CONCRETE CURB AND GUTTER
30-INCH TYPE A

JACKSON AVE

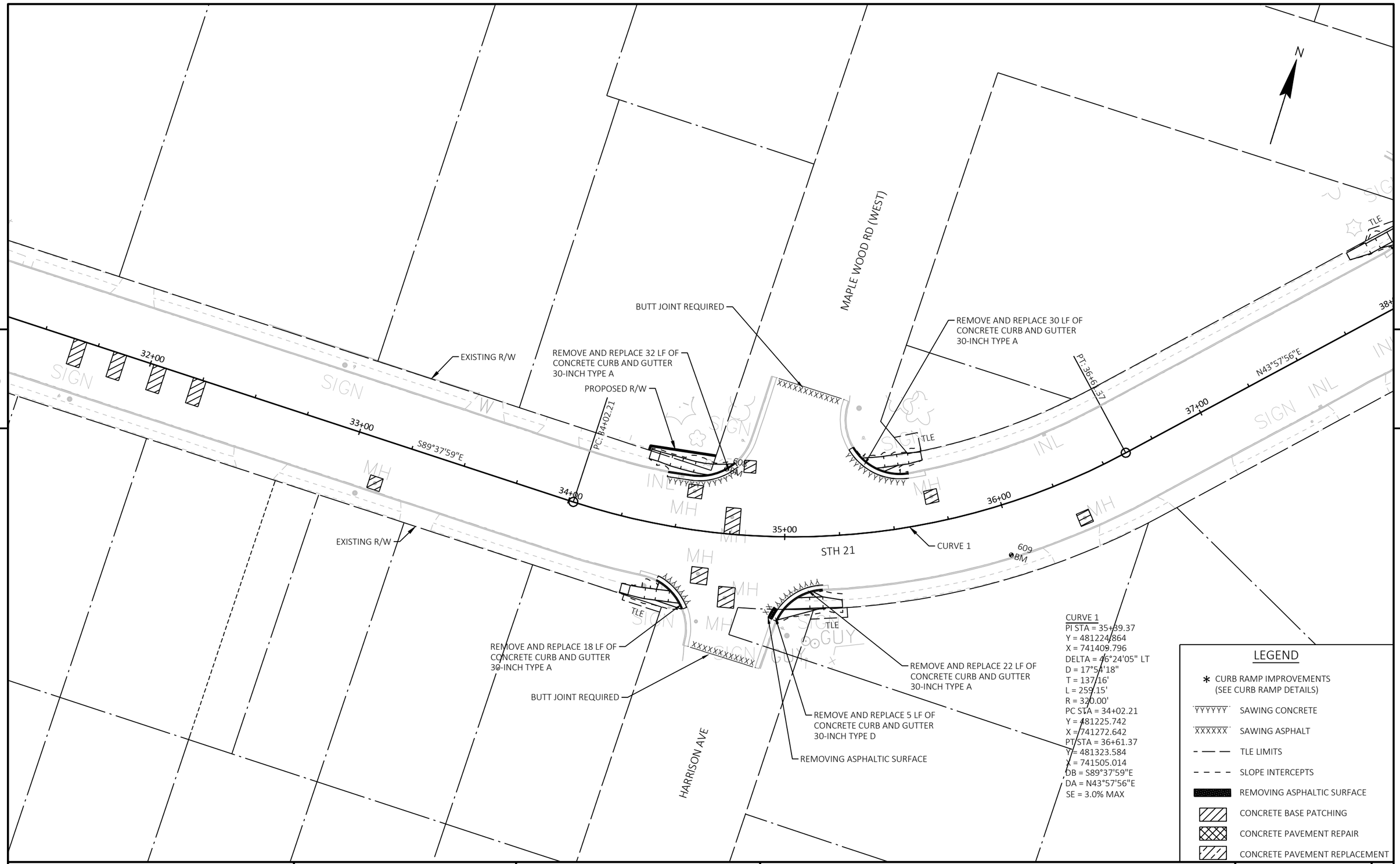
VAN BUREN AVE

LEGEND

- ✱ CURB RAMP IMPROVEMENTS (SEE CURB RAMP DETAILS)
- YYYYYY SAWING CONCRETE
- XXXXXX SAWING ASPHALT
- TLE LIMITS
- SLOPE INTERCEPTS
- REMOVING ASPHALTIC SURFACE
- CONCRETE BASE PATCHING
- CONCRETE PAVEMENT REPAIR
- CONCRETE PAVEMENT REPLACEMENT

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	PLAN	SHEET 344	E

FILE NAME : N:\PDS\C3D\61803000\SHEETSPLAN\050201-PN.DWG
LAYOUT NAME - 050205-pn
PLOT DATE : 7/25/2025 6:57 AM
PLOT BY : BALDERAS-RUEDEN, ANN
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44



5

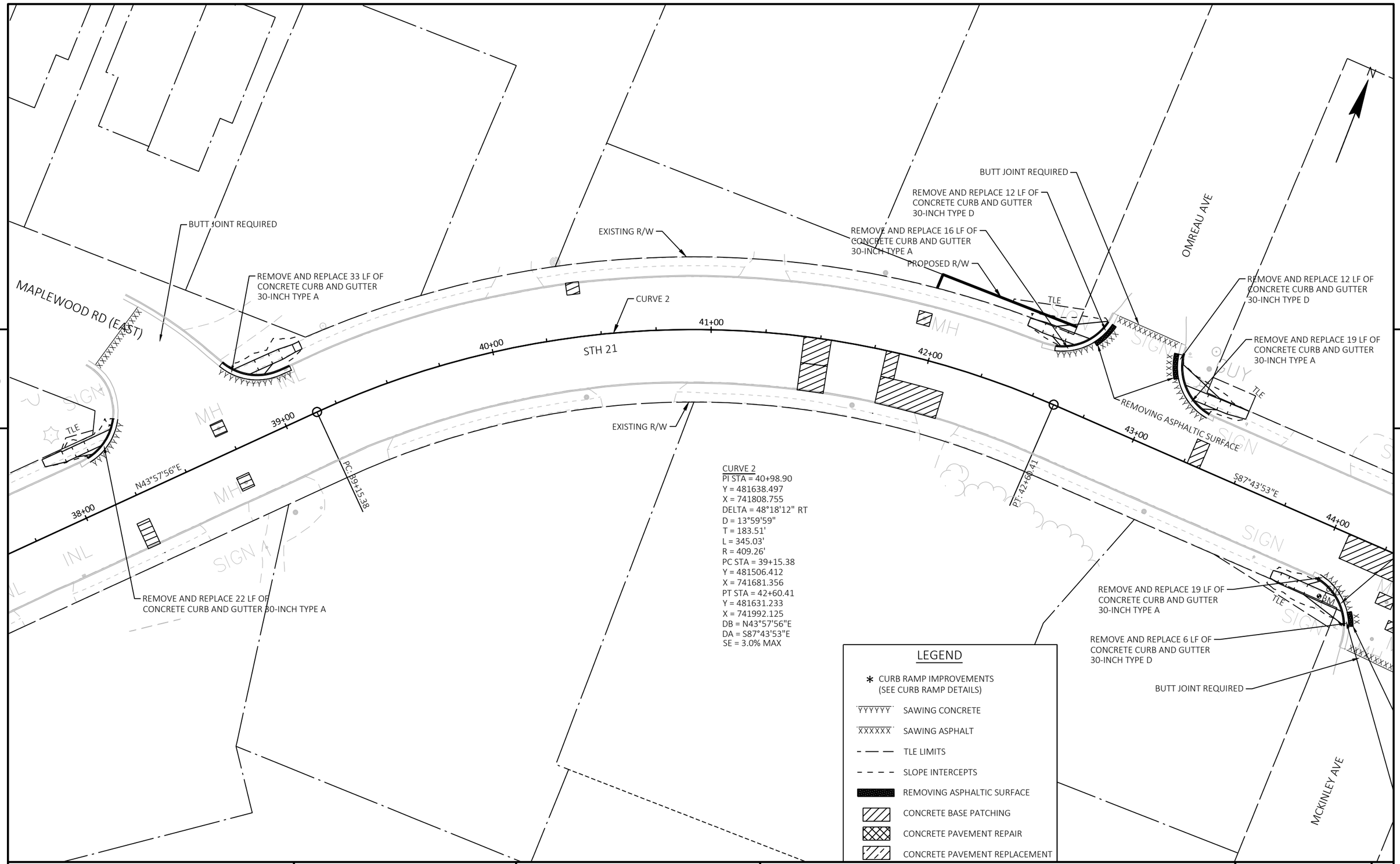
5

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	PLAN	SHEET 345	E

FILE NAME : N:\PDS\C3D\61803000\SHEETSPLAN\050201-PN.DWG
LAYOUT NAME - 050206-pn

PLOT DATE : 7/25/2025 6:58 AM PLOT BY : BALDERAS-RUEDEN, ANN PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44



5

5

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	PLAN	SHEET 346 E

FILE NAME : N:\PDS\C3D\61803000\SHEETSPLAN\050201-PN.DWG
LAYOUT NAME - 050207-pn

PLOT DATE : 7/25/2025 6:58 AM PLOT BY : BALDERAS-RUEDEN, ANN PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

N

BECKWITH AVE

BUTT JOINT REQUIRED

REMOVE AND REPLACE 34 LF OF CONCRETE CURB AND GUTTER 30-INCH TYPE A

REMOVE AND REPLACE 20 LF OF CONCRETE CURB AND GUTTER 30-INCH TYPE A

EXISTING R/W

TLE

REMOVE AND REPLACE 11 LF OF CONCRETE CURB AND GUTTER 30-INCH TYPE D

REMOVING ASPHALTIC SURFACE

REMOVE AND REPLACE 25 LF OF CONCRETE CURB AND GUTTER 30-INCH TYPE A

PROPOSED R/W

5

5

45+00

S87°43'53"E

46+00

47+00

48+00

49+00

50+00

CURVE 3

STH 21

611
BM

REMOVE AND REPLACE 20 LF OF CONCRETE CURB AND GUTTER 30-INCH TYPE A

REMOVE AND REPLACE 4 LF OF CONCRETE CURB AND GUTTER 30-INCH TYPE D

REMOVING ASPHALTIC SURFACE

BUTT JOINT REQUIRED

REMOVE AND REPLACE 7 LF OF CONCRETE CURB AND GUTTER 30-INCH TYPE D

MCKINLEY AVE

EXISTING R/W

PC: 47+35.13

REMOVE AND REPLACE 19 LF OF CONCRETE CURB AND GUTTER 30-INCH TYPE A

CURVE 3
PI STA = 49+41.23
Y = 481604.282
X = 742672.410
DELTA = 2°03'38" LT
D = 0°30'00"
T = 206.10'
L = 412.15'
R = 11460.00'
PC STA = 47+35.13
Y = 481612.440
X = 742466.472
PT STA = 51+47.28
Y = 481603.534
X = 742878.507
DB = S87°43'53"E
DA = S89°47'31"E
SE = NC MAX

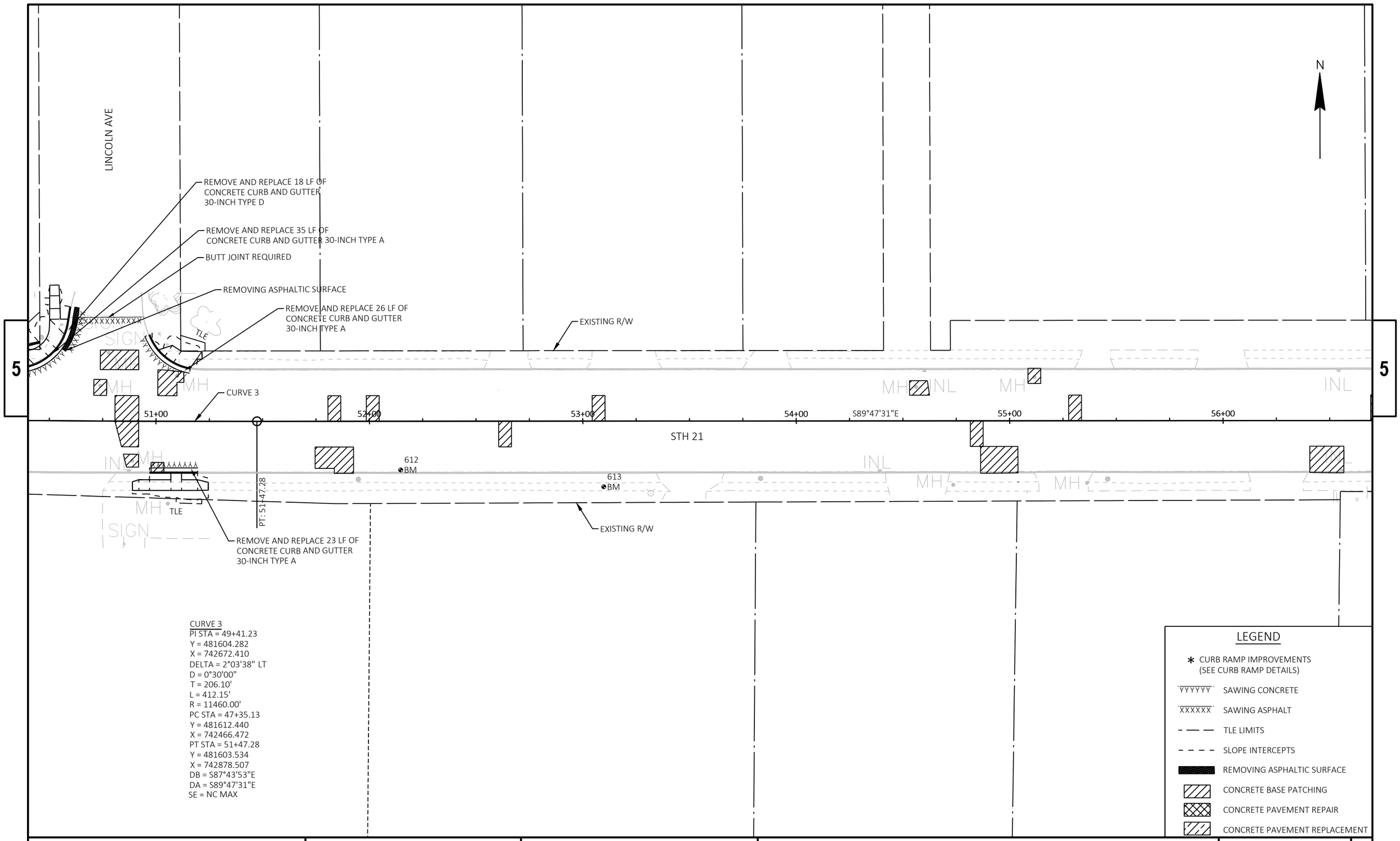
LEGEND

- * CURB RAMP IMPROVEMENTS (SEE CURB RAMP DETAILS)
- SAWING CONCRETE
- SAWING ASPHALT
- TLE LIMITS
- SLOPE INTERCEPTS
- REMOVING ASPHALTIC SURFACE
- CONCRETE BASE PATCHING
- CONCRETE PAVEMENT REPAIR
- CONCRETE PAVEMENT REPLACEMENT

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	PLAN	SHEET 347 E

FILE NAME : N:\PDS\C3D\61803000\SHEETSPLAN\050201-PN.DWG
LAYOUT NAME - 050208-pn

PLOT DATE : 7/25/2025 6:58 AM PLOT BY : BALDERAS-RUEDEN, ANN PLOT NAME : PLOT SCALE : 1 IN:40 FT



CURVE 3
PI STA = 49+41.23
Y = 481604.282
X = 742672.410
DELTA = 2°03'38" LT
D = 0°30'00"
T = 206.10'
L = 412.15'
R = 11460.00'
PC STA = 47+35.13
Y = 481612.440
X = 742466.472
PT STA = 51+47.28
Y = 481603.534
X = 742878.507
DB = S87°43'53"E
DA = S89°47'31"E
SE = NC MAX

LEGEND

- ✱ CURB RAMP IMPROVEMENTS (SEE CURB RAMP DETAILS)
- YYYYYY SAWING CONCRETE
- XXXXXX SAWING ASPHALT
- TLE LIMITS
- SLOPE INTERCEPTS
- REMOVING ASPHALTIC SURFACE
- CONCRETE BASE PATCHING
- CONCRETE PAVEMENT REPAIR
- CONCRETE PAVEMENT REPLACEMENT

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	PLAN	SHEET 348	E

N

EXISTING R/W

SIGN SIGN SIGN

MH MH MH

INL

5 5

57+00 58+00 59+00 60+00 S89°47'31"E 61+00 62+00 63

STH 21

EXISTING R/W

TLE

REMOVE AND REPLACE 22 LF OF CONCRETE CURB AND GUTTER 30-INCH TYPE A

REMOVING ASPHALTIC SURFACE

REMOVE AND REPLACE 8 LF OF CONCRETE CURB AND GUTTER 30-INCH TYPE D

BUTT JOINT REQUIRED

XXXXXXXX

RIPRAP

INDUSTRIAL DR

LEGEND

- * CURB RAMP IMPROVEMENTS (SEE CURB RAMP DETAILS)
- YYYYYY SAWING CONCRETE
- XXXXXX SAWING ASPHALT
- TLE LIMITS
- SLOPE INTERCEPTS
- REMOVING ASPHALTIC SURFACE
- CONCRETE BASE PATCHING
- CONCRETE PAVEMENT REPAIR
- CONCRETE PAVEMENT REPLACEMENT

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	PLAN	SHEET 349	E

FILE NAME : N:\PDS\C3D\61803000\SHEETSPLAN\050201-PN.DWG
LAYOUT NAME - 050210-pn

PLOT DATE : 7/25/2025 6:58 AM PLOT BY : BALDERAS-RUEDEN, ANN PLOT NAME : PLOT SCALE : 1 IN:40 FT

N

EXISTING R/W

GUY

614
BM

PI: 63+28.25

SIGN

5

5

00

64+00

65+00

66+00

67+00

S89°47'07"E

68+00

69+00

STH 21

BUTT JOINT REQUIRED

MH

SIGN

615
BM

SIGN

MH

MH

GUY

REMOVE AND REPLACE 20 LF OF
CONCRETE CURB AND GUTTER
30-INCH TYPE A

INDUSTRIAL DR

REMOVE AND REPLACE 6 LF OF
CONCRETE CURB AND GUTTER
30-INCH TYPE D

REMOVING ASPHALTIC SURFACE

BUTT JOINT REQUIRED

EXISTING R/W

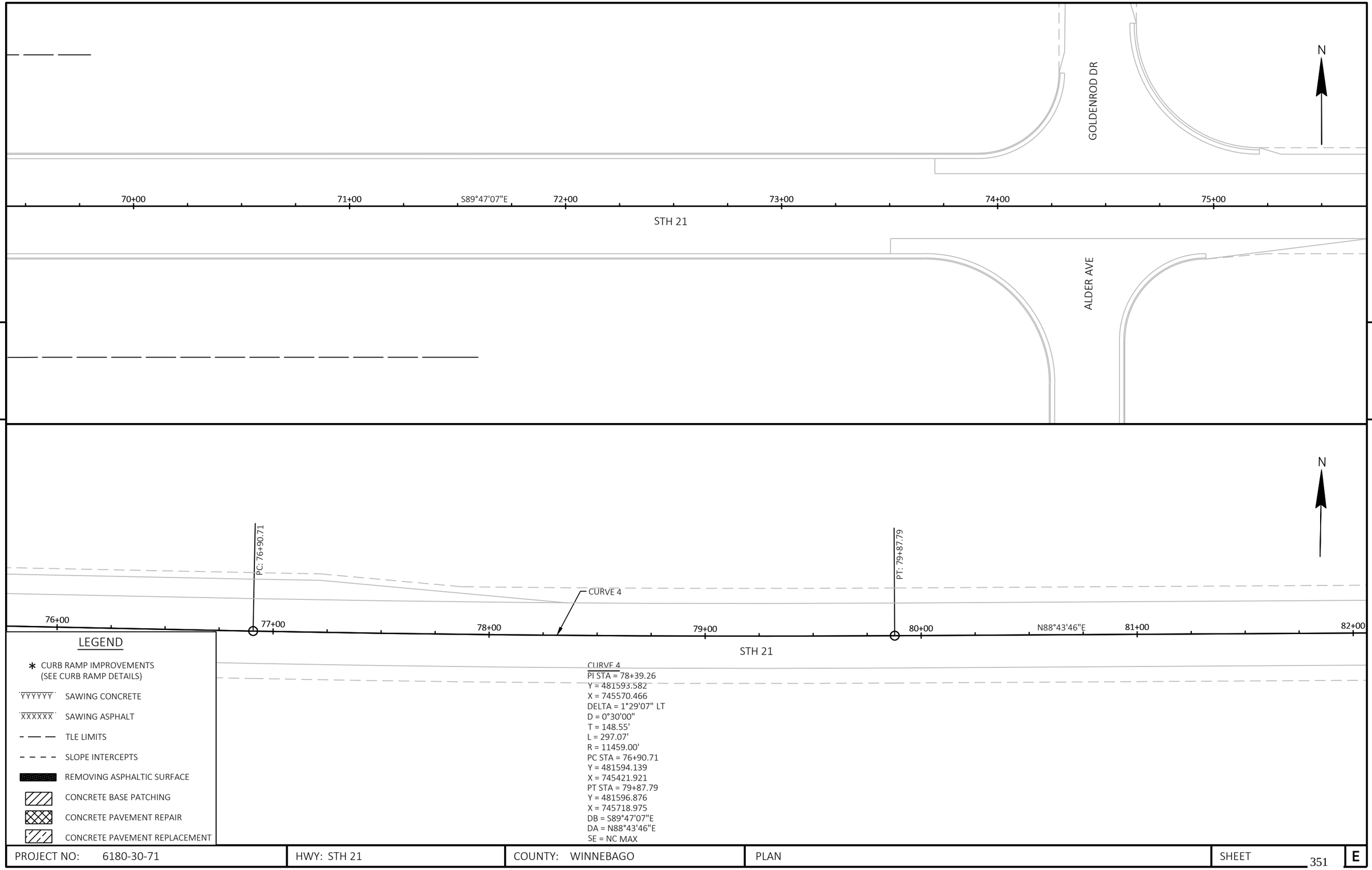
LEGEND

- ✱ CURB RAMP IMPROVEMENTS (SEE CURB RAMP DETAILS)
- YYYYYY SAWING CONCRETE
- XXXXXX SAWING ASPHALT
- TLE LIMITS
- SLOPE INTERCEPTS
- REMOVING ASPHALTIC SURFACE
- CONCRETE BASE PATCHING
- CONCRETE PAVEMENT REPAIR
- CONCRETE PAVEMENT REPLACEMENT

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	PLAN	SHEET 350	E

FILE NAME : N:\PDS\C3D\61803000\SHEETSPLAN\050201-PN.DWG
LAYOUT NAME - 050211-pn

PLOT DATE : 7/25/2025 6:58 AM PLOT BY : BALDERAS-RUEDEN, ANN PLOT NAME : PLOT SCALE : 1 IN:40 FT



LEGEND

- ✱ CURB RAMP IMPROVEMENTS (SEE CURB RAMP DETAILS)
- SAWING CONCRETE
- SAWING ASPHALT
- TLE LIMITS
- SLOPE INTERCEPTS
- REMOVING ASPHALTIC SURFACE
- CONCRETE BASE PATCHING
- CONCRETE PAVEMENT REPAIR
- CONCRETE PAVEMENT REPLACEMENT

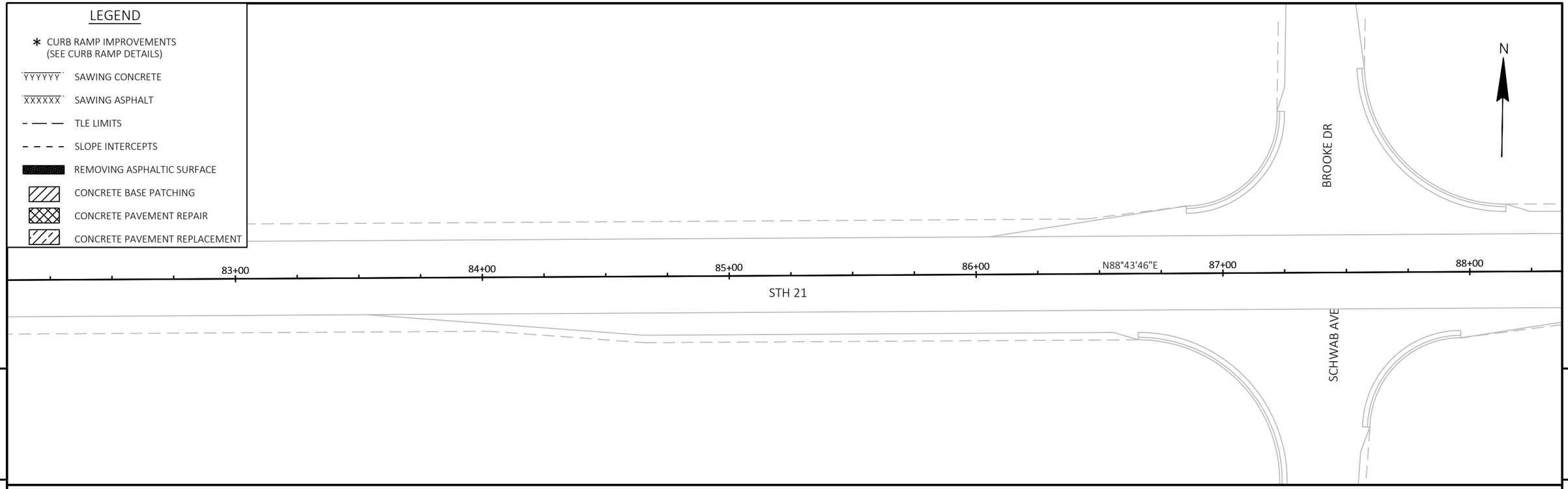
CURVE 4
PI STA = 78+39.26
Y = 481593.582
X = 745570.466
DELTA = 1°29'07" LT
D = 0°30'00"
T = 148.55'
L = 297.07'
R = 11459.00'
PC STA = 76+90.71
Y = 481594.139
X = 745421.921
PT STA = 79+87.79
Y = 481596.876
X = 745718.975
DB = S89°47'07"E
DA = N88°43'46"E
SE = NC MAX

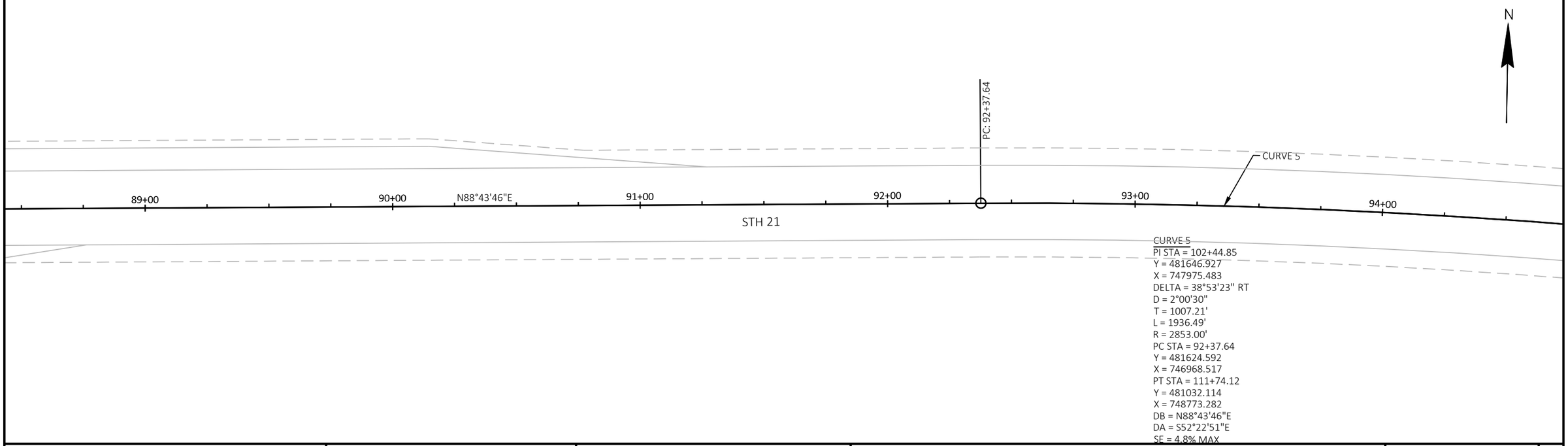
PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	PLAN	SHEET 351	E

FILE NAME : N:\PDS\C3D\61803000\SHEETSPLAN\050201-PN.DWG
LAYOUT NAME - 050212-pn
PLOT DATE : 7/25/2025 6:58 AM
PLOT BY : BALDERAS-RUEDEN, ANN
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44

LEGEND

- ✱ CURB RAMP IMPROVEMENTS (SEE CURB RAMP DETAILS)
- SAWING CONCRETE
- SAWING ASPHALT
- TLE LIMITS
- SLOPE INTERCEPTS
- REMOVING ASPHALTIC SURFACE
- CONCRETE BASE PATCHING
- CONCRETE PAVEMENT REPAIR
- CONCRETE PAVEMENT REPLACEMENT





CURVE 5
PI STA = 102+44.85
Y = 481646.927
X = 747975.483
DELTA = 38°53'23" RT
D = 2°00'30"
T = 1007.21'
L = 1936.49'
R = 2853.00'
PC STA = 92+37.64
Y = 481624.592
X = 746968.517
PT STA = 111+74.12
Y = 481032.114
X = 748773.282
DB = N88°43'46"E
DA = S52°22'51"E
SE = 4.8% MAX

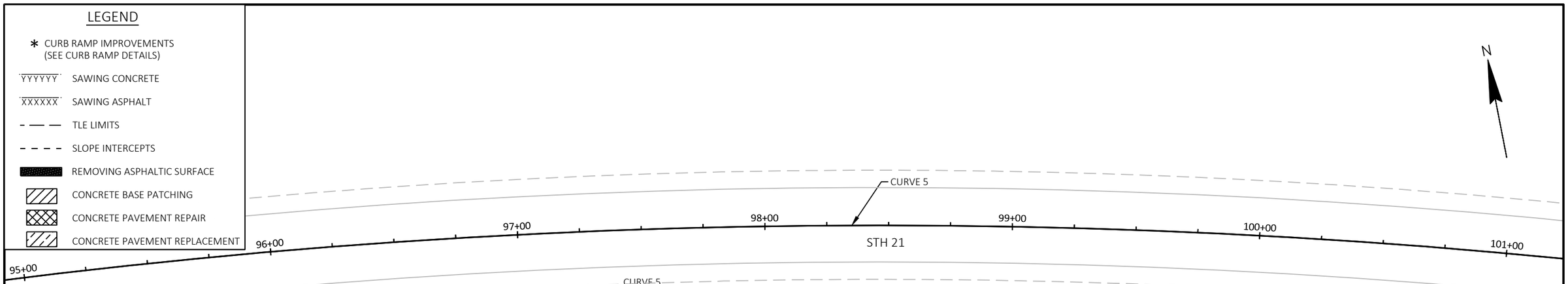
PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	PLAN	SHEET 352	E

FILE NAME : N:\PDS\C3D\61803000\SHEETSPLAN\050201-PN.DWG
LAYOUT NAME - 050213-pn

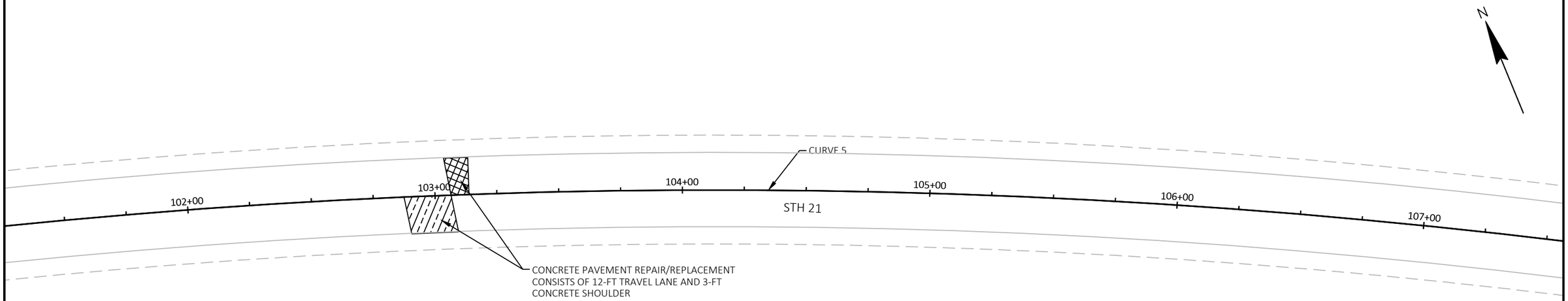
PLOT DATE : 7/25/2025 6:58 AM PLOT BY : BALDERAS-RUEDEN, ANN PLOT NAME : PLOT SCALE : 1 IN:40 FT

LEGEND

- ✱ CURB RAMP IMPROVEMENTS (SEE CURB RAMP DETAILS)
- SAWING CONCRETE
- SAWING ASPHALT
- TLE LIMITS
- SLOPE INTERCEPTS
- REMOVING ASPHALTIC SURFACE
- CONCRETE BASE PATCHING
- CONCRETE PAVEMENT REPAIR
- CONCRETE PAVEMENT REPLACEMENT



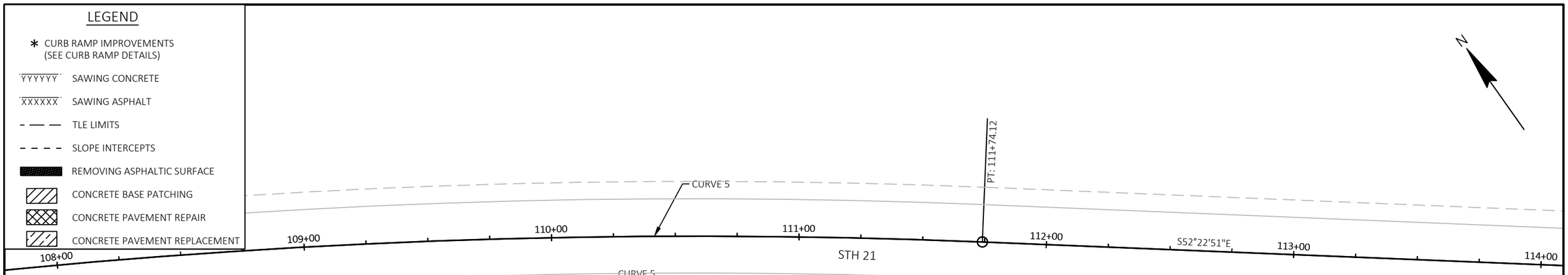
CURVE 5
PI STA = 102+44.85
Y = 481646.927
X = 747975.483
DELTA = 38°53'23" RT
D = 2°00'30"
T = 1007.21'
L = 1936.49'
R = 2853.00'
PC STA = 92+37.64
Y = 481624.592
X = 746968.517
PT STA = 111+74.12
Y = 481032.114
X = 748773.282
DB = N88°43'46"E
DA = S52°22'51"E
SE = 4.8% MAX



PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	PLAN	SHEET 353	E

LEGEND

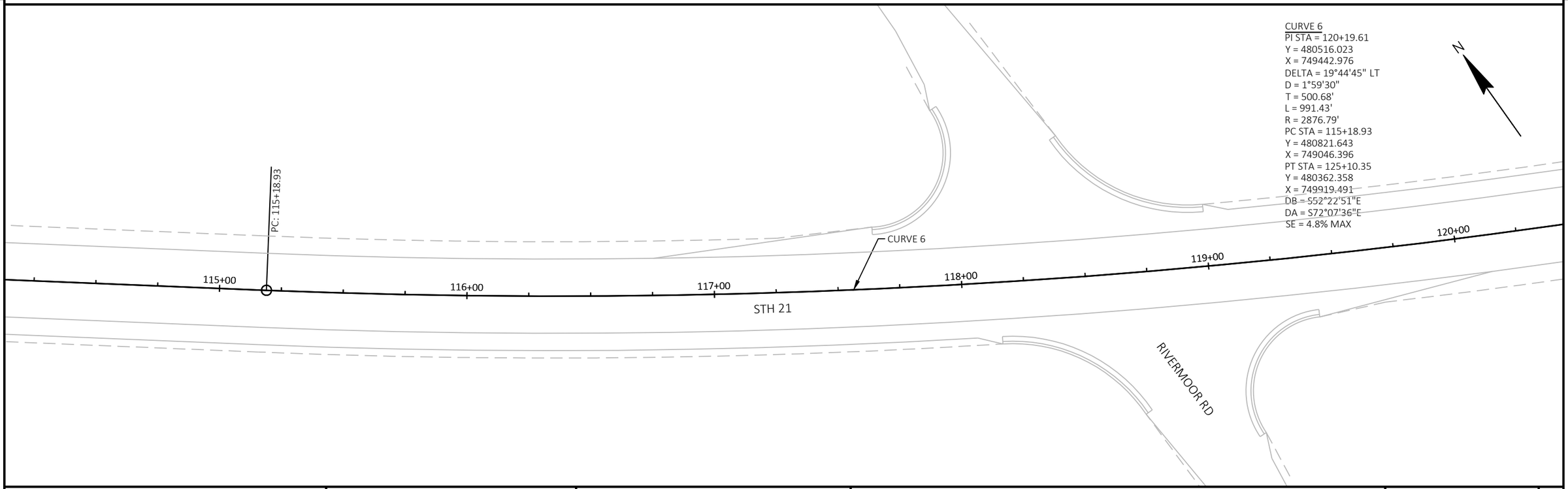
- ✱ CURB RAMP IMPROVEMENTS (SEE CURB RAMP DETAILS)
- YYYYYY SAWING CONCRETE
- XXXXXX SAWING ASPHALT
- TLE LIMITS
- SLOPE INTERCEPTS
- REMOVING ASPHALTIC SURFACE
- CONCRETE BASE PATCHING
- CONCRETE PAVEMENT REPAIR
- CONCRETE PAVEMENT REPLACEMENT



CURVE 5
PI STA = 102+44.85
Y = 481646.927
X = 747975.483
DELTA = 38°53'23" RT
D = 2°00'30"
T = 1007.21'
L = 1936.49'
R = 2853.00'
PC STA = 92+37.64
Y = 481624.592
X = 746968.517
PT STA = 111+74.12
Y = 481032.114
X = 748773.282
DB = N88°43'46"E
DA = S52°22'51"E
SE = 4.8% MAX

5

5

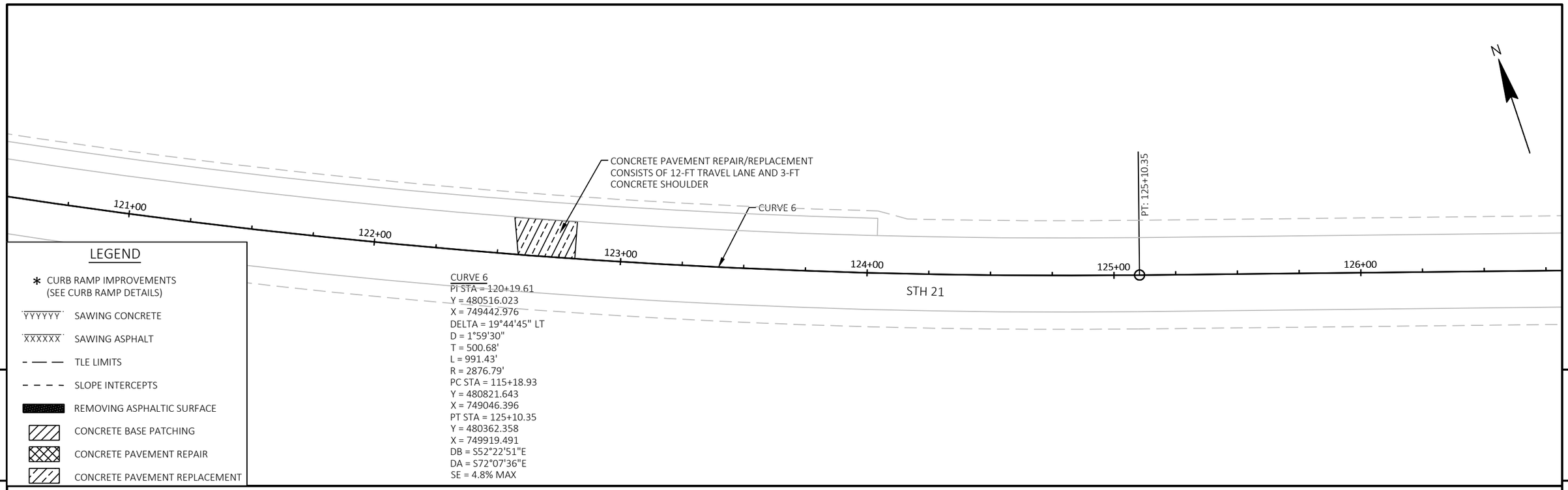


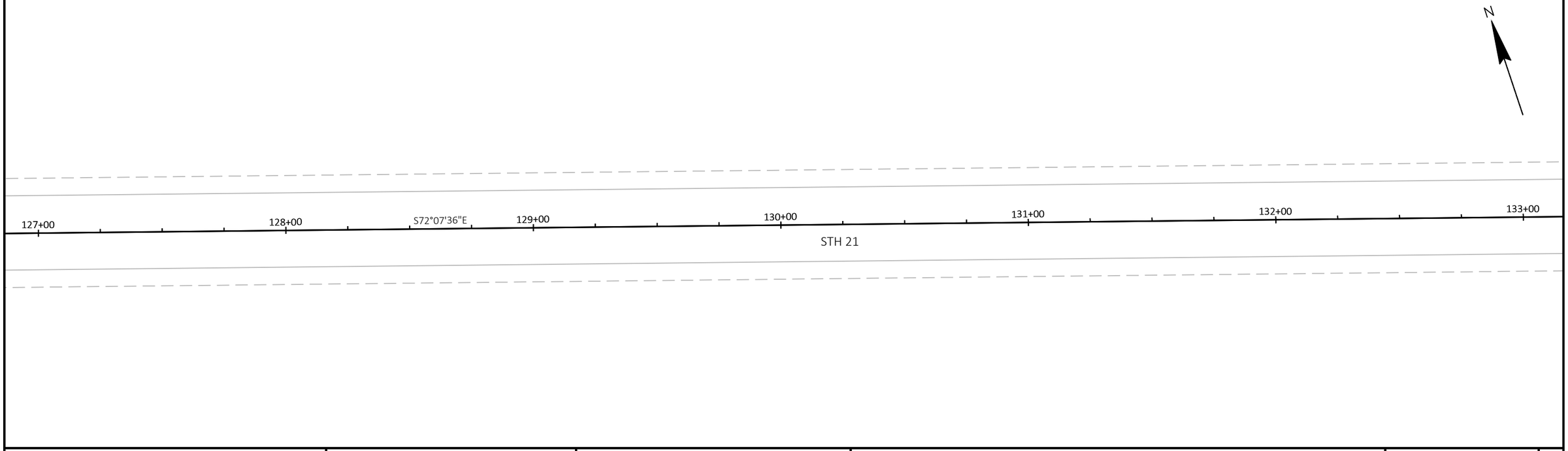
CURVE 6
PI STA = 120+19.61
Y = 480516.023
X = 749442.976
DELTA = 19°44'45" LT
D = 1°59'30"
T = 500.68'
L = 991.43'
R = 2876.79'
PC STA = 115+18.93
Y = 480821.643
X = 749046.396
PT STA = 125+10.35
Y = 480362.358
X = 749919.491
DB = S52°22'51"E
DA = S72°07'36"E
SE = 4.8% MAX

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	PLAN	SHEET 354	E

FILE NAME : N:\PDS\C3D\61803000\SHEETSPLAN\050201-PN.DWG
LAYOUT NAME - 050215-pn

PLOT DATE : 7/25/2025 6:58 AM PLOT BY : BALDERAS-RUEDEN, ANN PLOT NAME : PLOT SCALE : 1 IN:40 FT



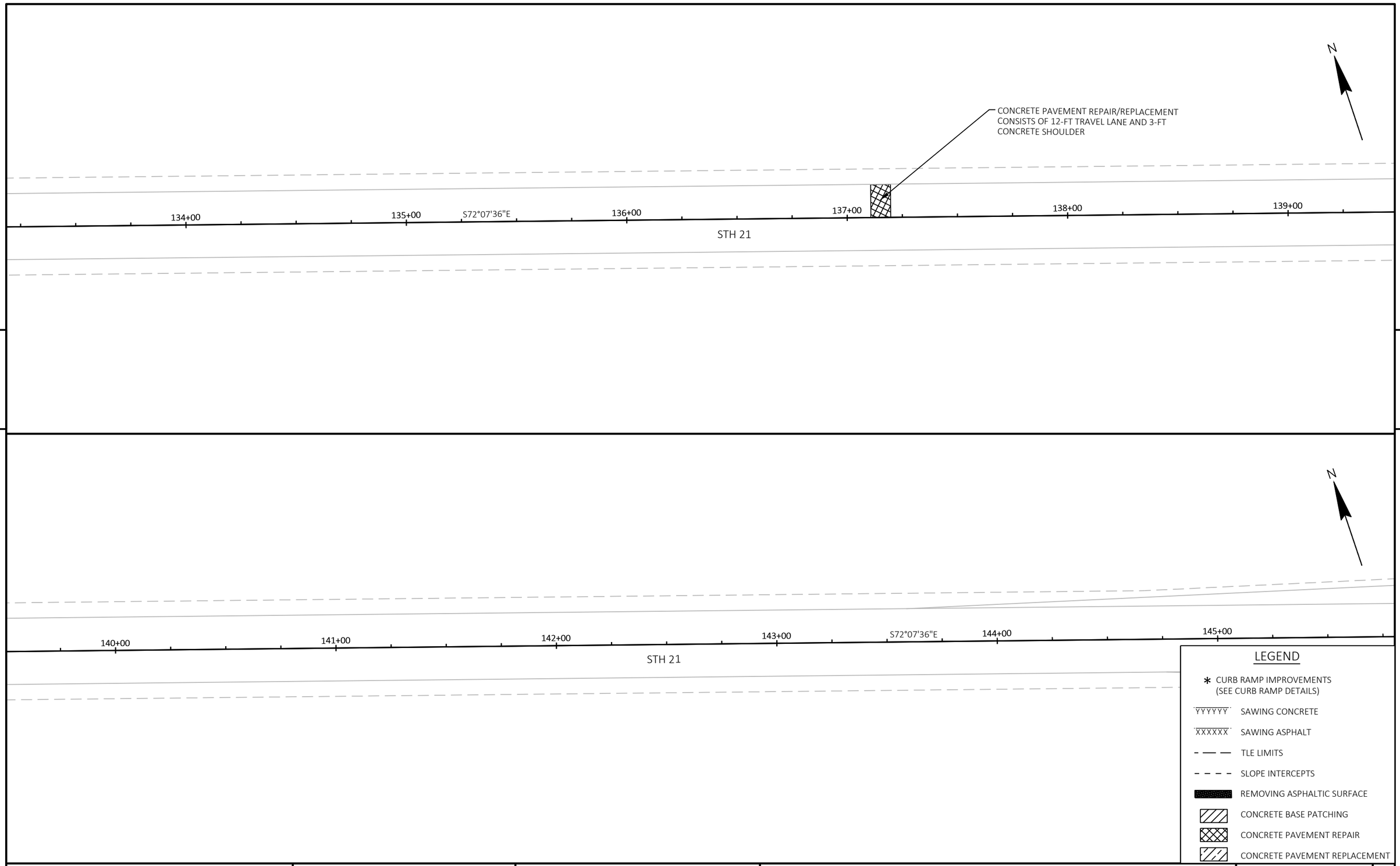


PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	PLAN	SHEET 355	E

FILE NAME : N:\PDS\C3D\61803000\SHEETSPLAN\050201-PN.DWG
LAYOUT NAME - 050216-pn

PLOT DATE : 7/25/2025 6:58 AM PLOT BY : BALDERAS-RUEDEN, ANN PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

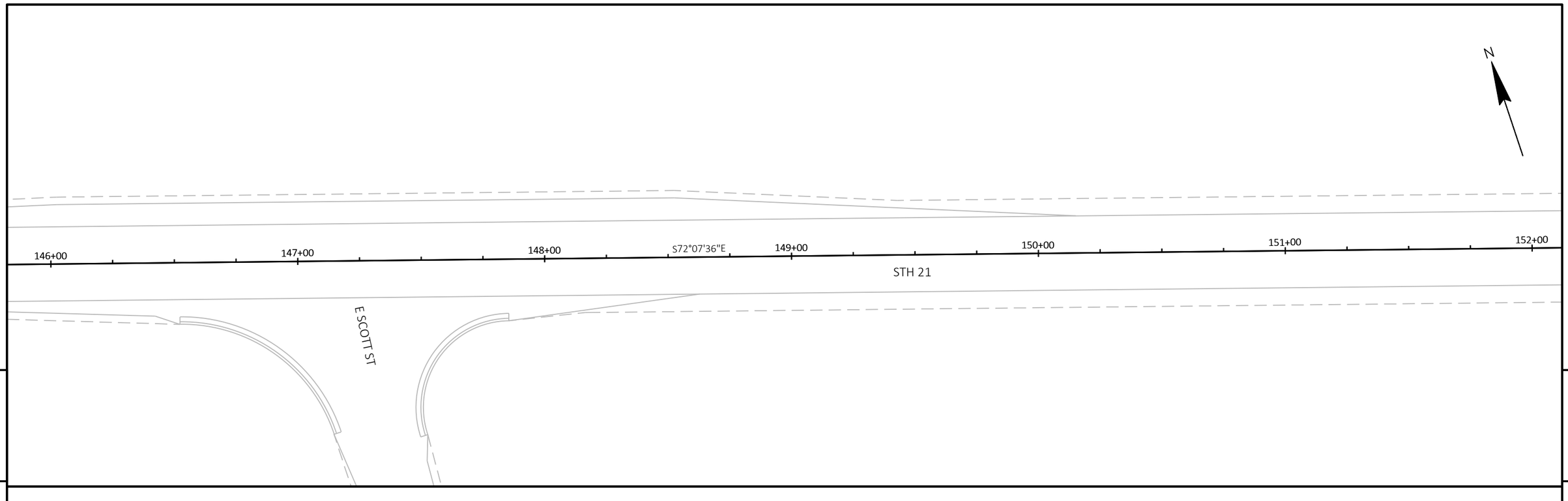


5 5

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	PLAN	SHEET 356	E

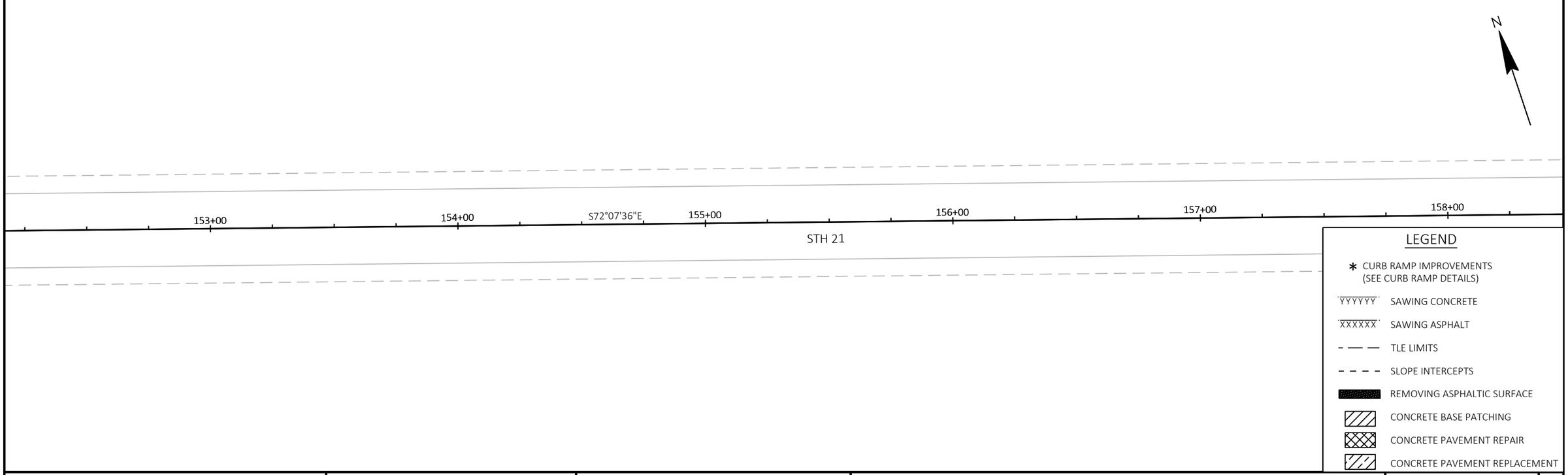
FILE NAME : N:\PDS\C3D\61803000\SHEETSPLAN\050201-PN.DWG
LAYOUT NAME - 050217-pn

PLOT DATE : 7/25/2025 6:58 AM PLOT BY : BALDERAS-RUEDEN, ANN PLOT NAME : PLOT SCALE : 1 IN:40 FT



5

5



LEGEND

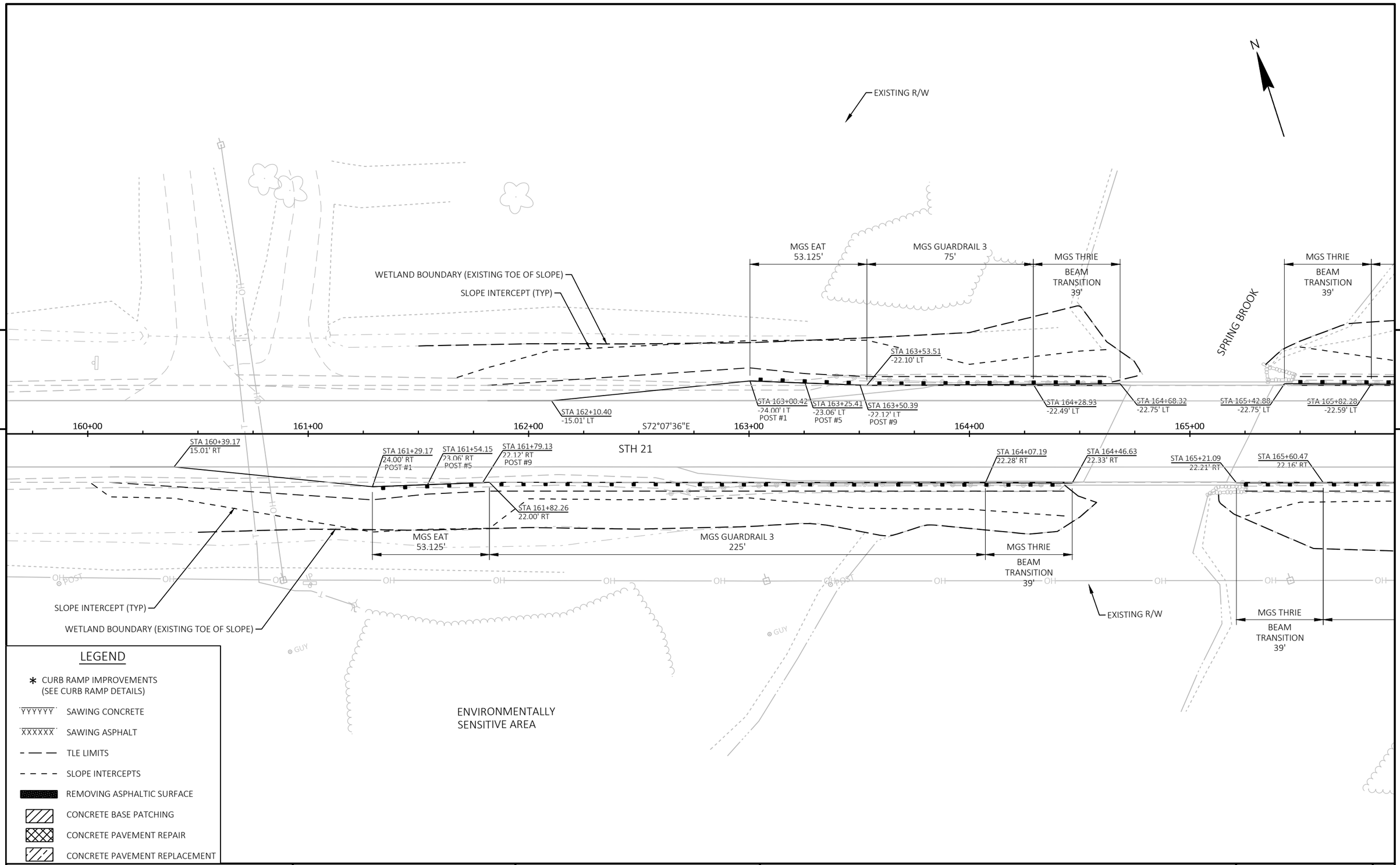
- ✱ CURB RAMP IMPROVEMENTS (SEE CURB RAMP DETAILS)
- YYYYYY SAWING CONCRETE
- XXXXXX SAWING ASPHALT
- TLE LIMITS
- SLOPE INTERCEPTS
- REMOVING ASPHALTIC SURFACE
- CONCRETE BASE PATCHING
- CONCRETE PAVEMENT REPAIR
- CONCRETE PAVEMENT REPLACEMENT

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	PLAN	SHEET 357	E

FILE NAME : N:\PDS\C3D\61803000\SHEETSPLAN\050201-PN.DWG
LAYOUT NAME - 050218-pn

PLOT DATE : 7/25/2025 6:58 AM PLOT BY : BALDERAS-RUEDEN, ANN PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

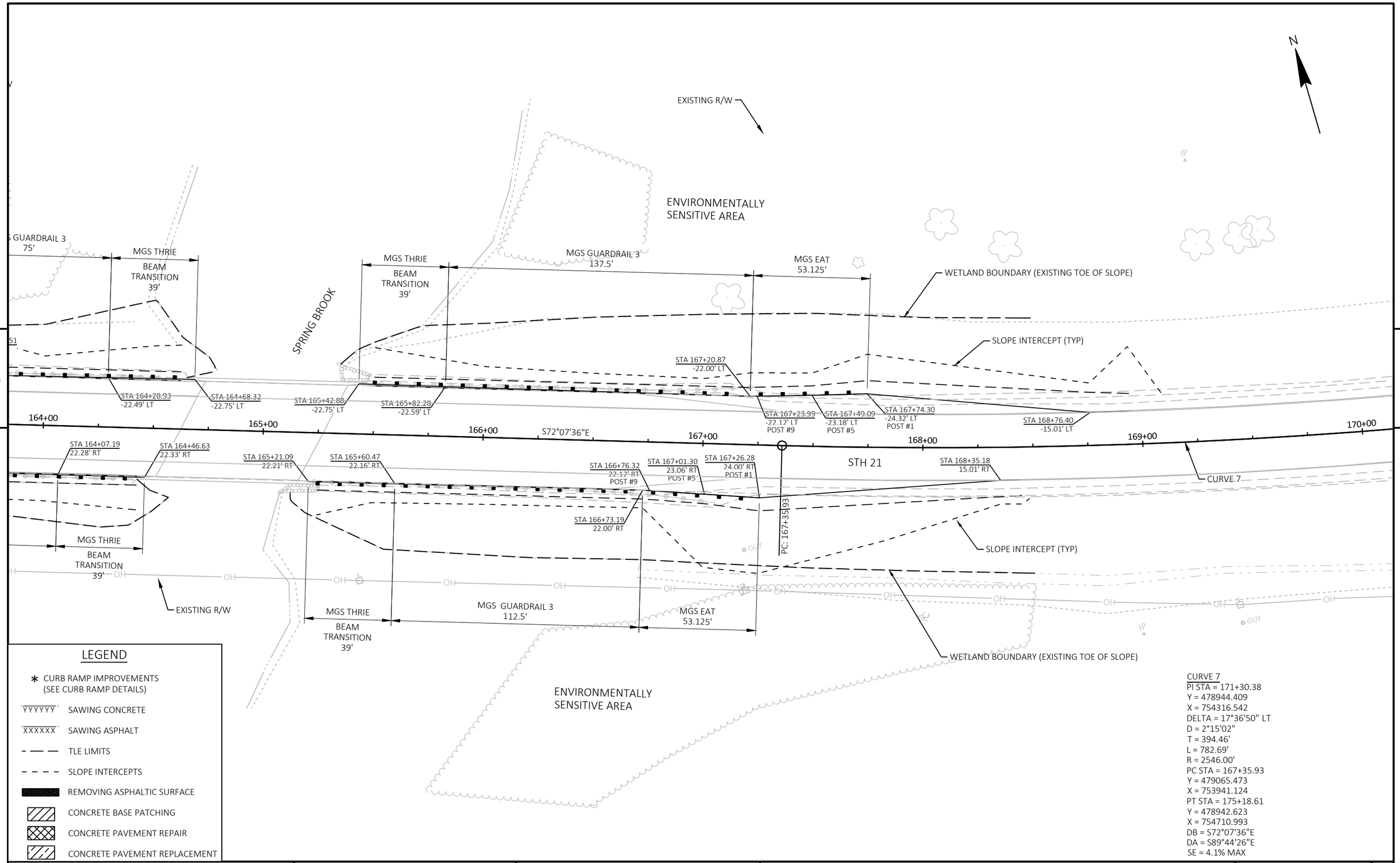


5 5

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	PLAN	SHEET 358 E

FILE NAME : N:\PDS\C3D\61803000\SHEETSPLAN\050201-PN.DWG
LAYOUT NAME - 050219-pn

PLOT DATE : 7/25/2025 6:58 AM PLOT BY : BALDERAS-RUEDEN, ANN PLOT NAME : PLOT SCALE : 1 IN:40 FT



5

5

LEGEND

- ✱ CURB RAMP IMPROVEMENTS (SEE CURB RAMP DETAILS)
- SAWING CONCRETE
- SAWING ASPHALT
- TLE LIMITS
- SLOPE INTERCEPTS
- REMOVING ASPHALTIC SURFACE
- CONCRETE BASE PATCHING
- CONCRETE PAVEMENT REPAIR
- CONCRETE PAVEMENT REPLACEMENT

CURVE 7
PI STA = 171+30.38
Y = 478944.409
X = 754316.542
DELTA = 17°36'50" LT
D = 2°15'02"
T = 394.46'
L = 782.69'
R = 2546.00'
PC STA = 167+35.93
Y = 479065.473
X = 753941.124
PT STA = 175+18.61
Y = 478942.623
X = 754710.993
DB = S72°07'36"E
DA = S89°44'26"E
SE = 4.1% MAX

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	PLAN	SHEET 359	E

FILE NAME : N:\PDS\C3D\61803000\SHEETSPLAN\050201-PN.DWG
LAYOUT NAME - 050220-pn
PLOT DATE : 7/25/2025 6:58 AM
PLOT BY : BALDERAS-RUEDEN, ANN
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44

LEGEND

- ✱ CURB RAMP IMPROVEMENTS (SEE CURB RAMP DETAILS)
- SAWING CONCRETE
- SAWING ASPHALT
- TLE LIMITS
- SLOPE INTERCEPTS
- REMOVING ASPHALTIC SURFACE
- CONCRETE BASE PATCHING
- CONCRETE PAVEMENT REPAIR
- CONCRETE PAVEMENT REPLACEMENT

CURVE 7
PI STA = 171+30.38
Y = 478944.409
X = 754316.542
DELTA = 17°36'50" LT
D = 2°15'02"
T = 394.46'
L = 782.69'
R = 2546.00'
PC STA = 167+35.93
Y = 479065.473
X = 753941.124
PT STA = 175+18.61
Y = 478942.623
X = 754710.993
DB = S72°07'36"E
DA = S89°44'26"E
SE = 4.1% MAX

N

PT: 175+18.61

170+00 171+00 172+00 173+00 174+00 175+00 176+00

STH 21

CURVE 7

5

5

N

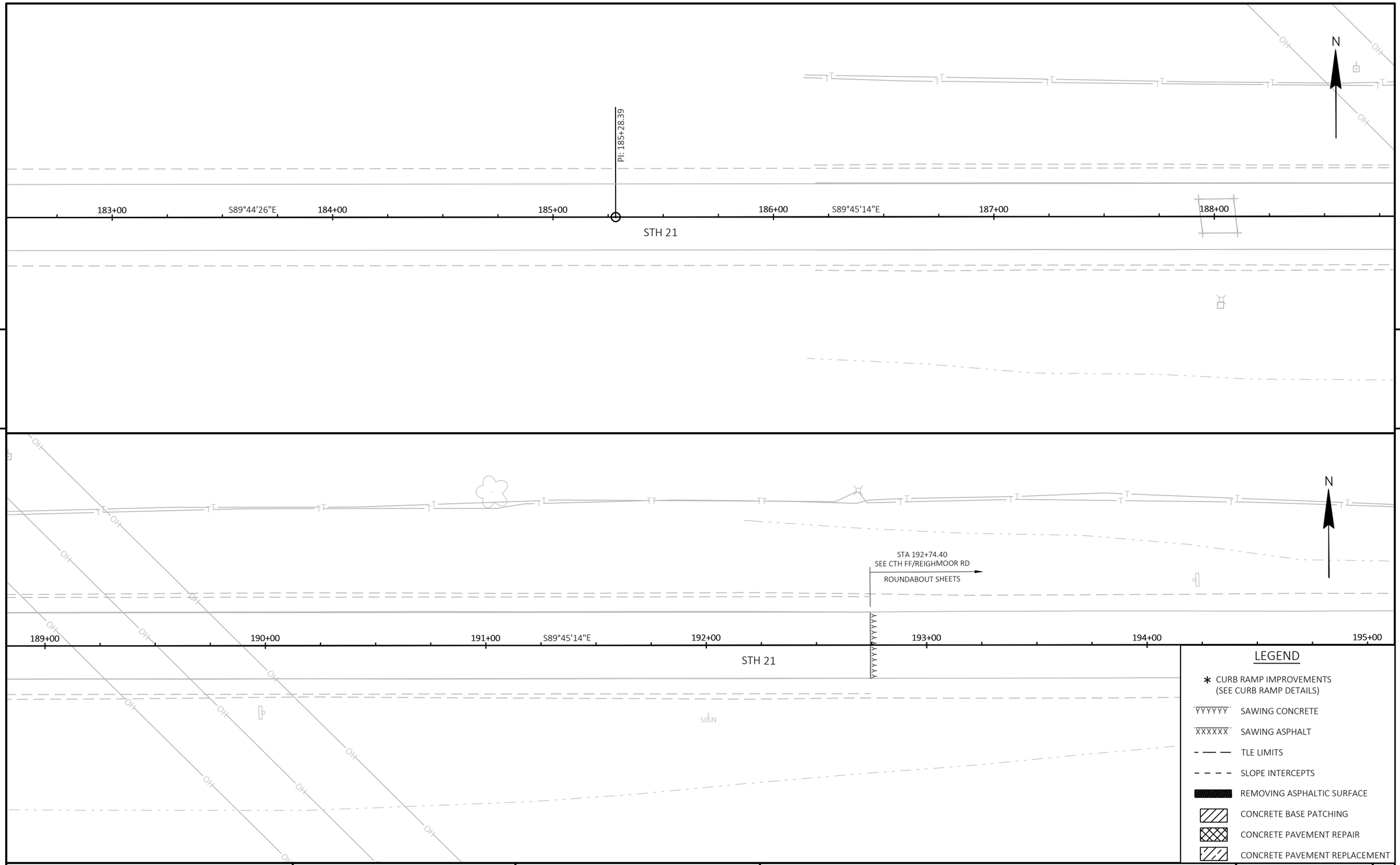
177+00 178+00 179+00 180+00 S89°44'26"E 181+00 182+00

STH 21

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	PLAN	SHEET 360	E

FILE NAME : N:\PDS\C3D\61803000\SHEETSPLAN\050201-PN.DWG
LAYOUT NAME - 050221-pn

PLOT DATE : 7/25/2025 6:58 AM PLOT BY : BALDERAS-RUEDEN, ANN PLOT NAME : PLOT SCALE : 1 IN:40 FT



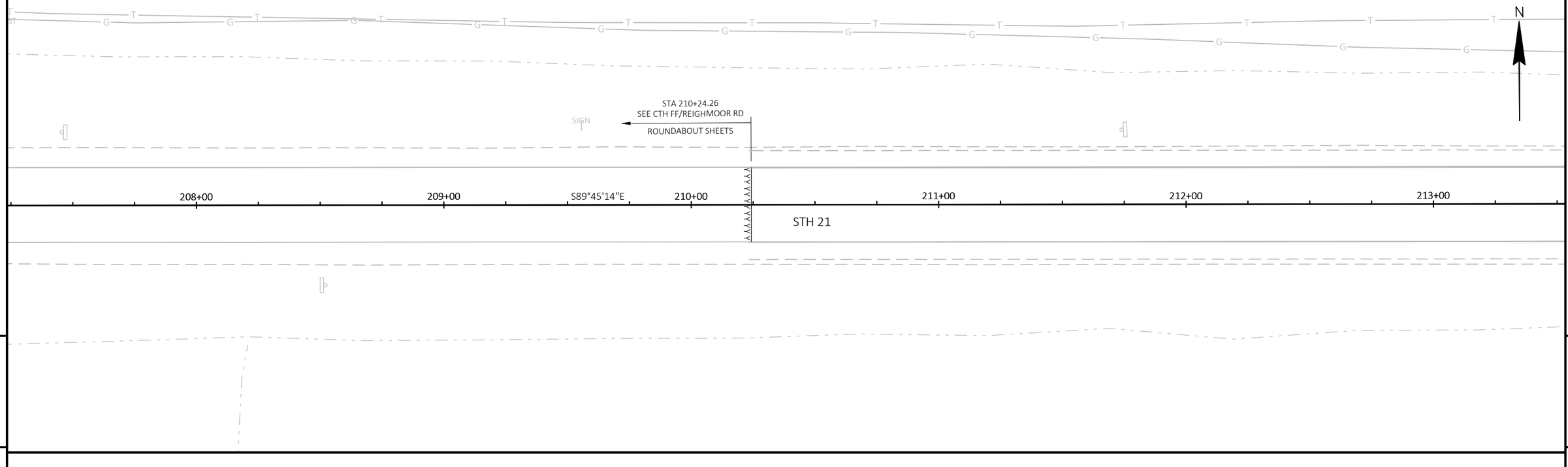
5 5

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	PLAN	SHEET 361 E

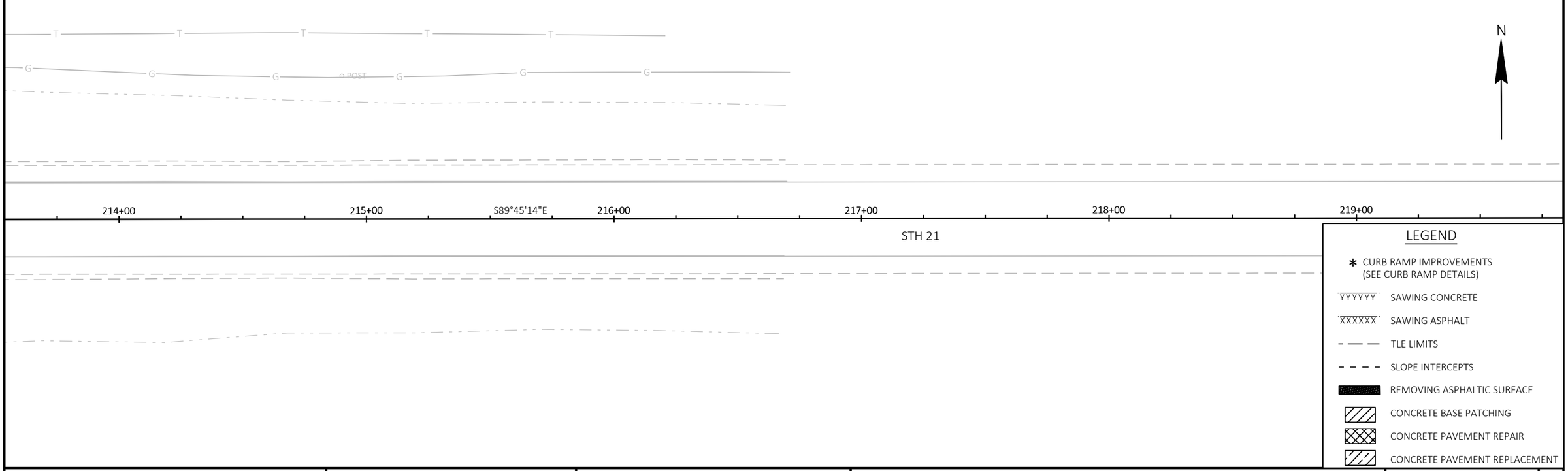
FILE NAME : N:\PDS\C3D\61803000\SHEETSPLAN\050201-PN.DWG
LAYOUT NAME - 050222-pn

PLOT DATE : 7/25/2025 6:59 AM PLOT BY : BALDERAS-RUEDEN, ANN PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44



5



5

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	PLAN	SHEET 362	E

FILE NAME : N:\PDS\C3D\61803000\SHEETSPLAN\050201-PN.DWG
LAYOUT NAME - 050224-pn

PLOT DATE : 7/25/2025 6:59 AM PLOT BY : BALDERAS-RUEDEN, ANN PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

N

220+00 221+00 S89°45'14"E 222+00 223+00 224+00 225+00 226+00

STH 21

5

5

N

MARQUART LN

PI: 228+34.94

227+00 228+00 229+00 230+00 S89°54'10"E 231+00 232+00

STH 21

CONCRETE PAVEMENT REPAIR/REPLACEMENT
CONSISTS OF 12-FT TRAVEL LANE AND 3-FT
CONCRETE SHOULDER

POTRATZ HILL RD

LEGEND

- ✱ CURB RAMP IMPROVEMENTS (SEE CURB RAMP DETAILS)
- YYYYYY SAWING CONCRETE
- XXXXXX SAWING ASPHALT
- TLE LIMITS
- SLOPE INTERCEPTS
- REMOVING ASPHALTIC SURFACE
- CONCRETE BASE PATCHING
- CONCRETE PAVEMENT REPAIR
- CONCRETE PAVEMENT REPLACEMENT

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	PLAN	SHEET 363	E

FILE NAME : N:\PDS\C3D\61803000\SHEETSPLAN\050201-PN.DWG
LAYOUT NAME - 050225-pn

PLOT DATE : 7/25/2025 6:59 AM PLOT BY : BALDERAS-RUEDEN, ANN PLOT NAME : PLOT SCALE : 1 IN:40 FT

N

233+00 234+00 235+00 236+00 S89°54'10"E 237+00 238+00

STH 21

5

5

GUY

POST

N

239+00 240+00 241+00 242+00 243+00 S89°54'10"E 244+00 245+00

STH 21

CONCRETE PAVEMENT REPAIR/REPLACEMENT
CONSISTS OF 12-FT TRAVEL LANE AND 3-FT
CONCRETE SHOULDER

LEGEND

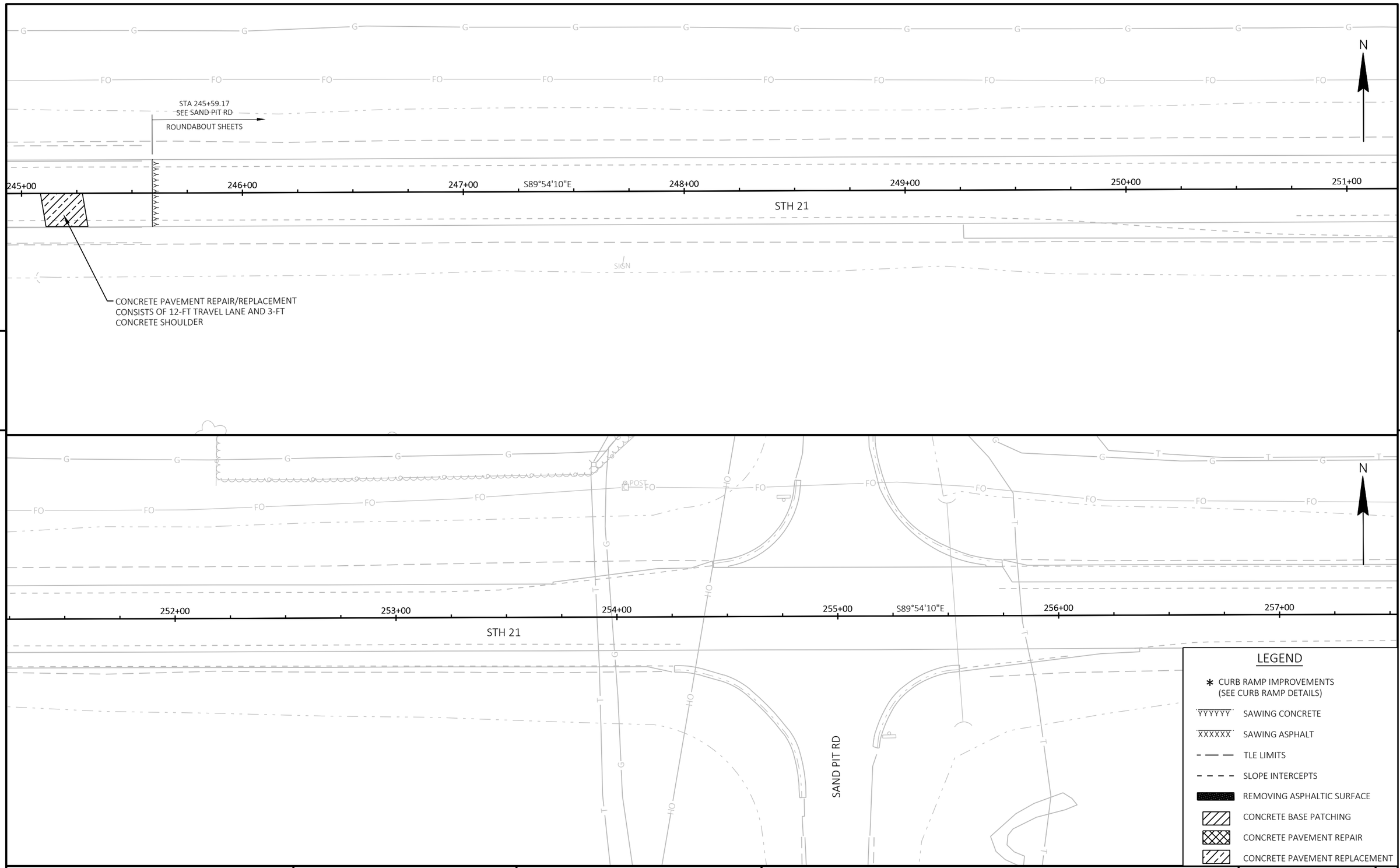
- ✱ CURB RAMP IMPROVEMENTS (SEE CURB RAMP DETAILS)
- SAWING CONCRETE
- SAWING ASPHALT
- TLE LIMITS
- SLOPE INTERCEPTS
- REMOVING ASPHALTIC SURFACE
- CONCRETE BASE PATCHING
- CONCRETE PAVEMENT REPAIR
- CONCRETE PAVEMENT REPLACEMENT

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	PLAN	SHEET 364	E

FILE NAME : N:\PDS\C3D\61803000\SHEETSPLAN\050201-PN.DWG
LAYOUT NAME - 050226-pn

PLOT DATE : 7/25/2025 6:59 AM PLOT BY : BALDERAS-RUEDEN, ANN PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44



5

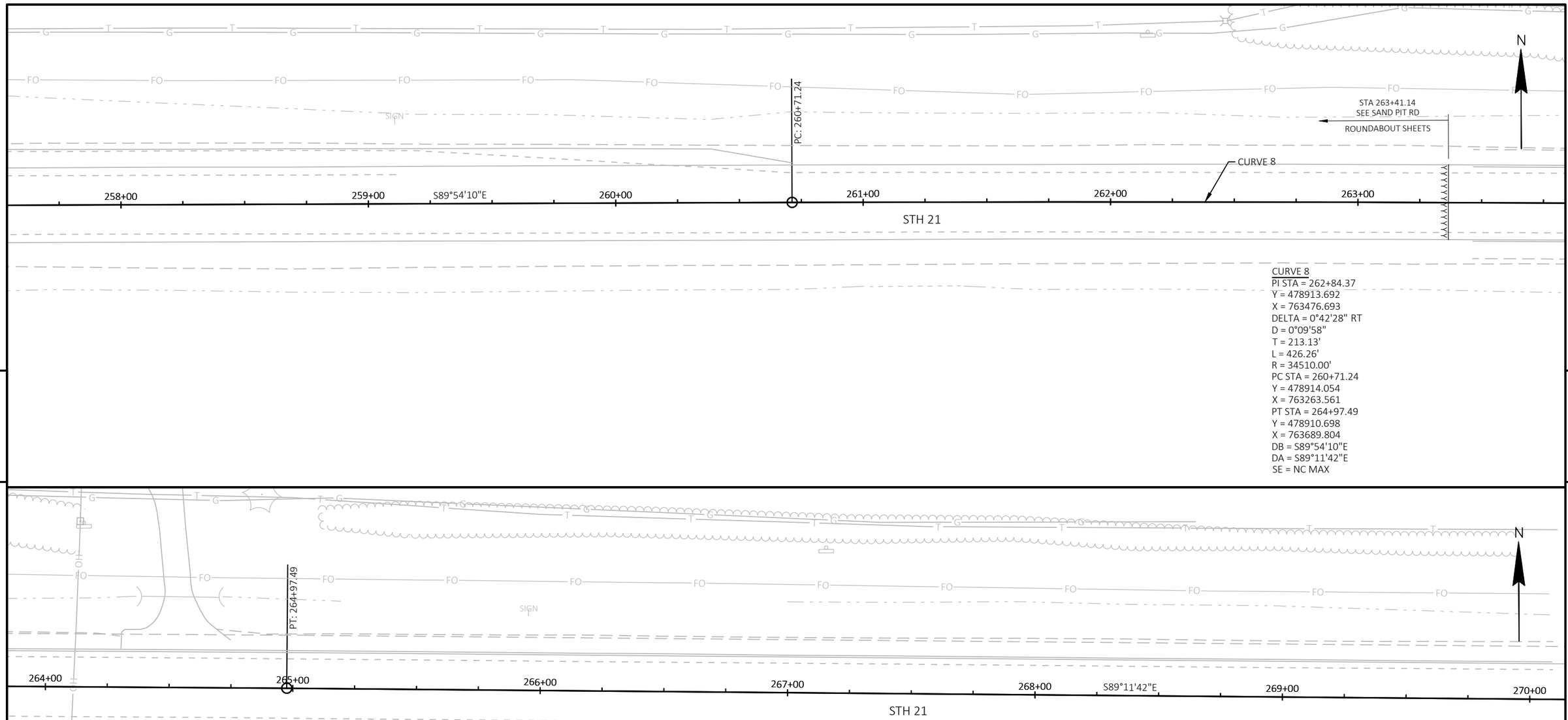
5

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	PLAN	SHEET 365	E

FILE NAME : N:\PDS\C3D\61803000\SHEETSPLAN\050201-PN.DWG
LAYOUT NAME - 050227-pn

PLOT DATE : 7/25/2025 6:59 AM PLOT BY : BALDERAS-RUEDEN, ANN PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44



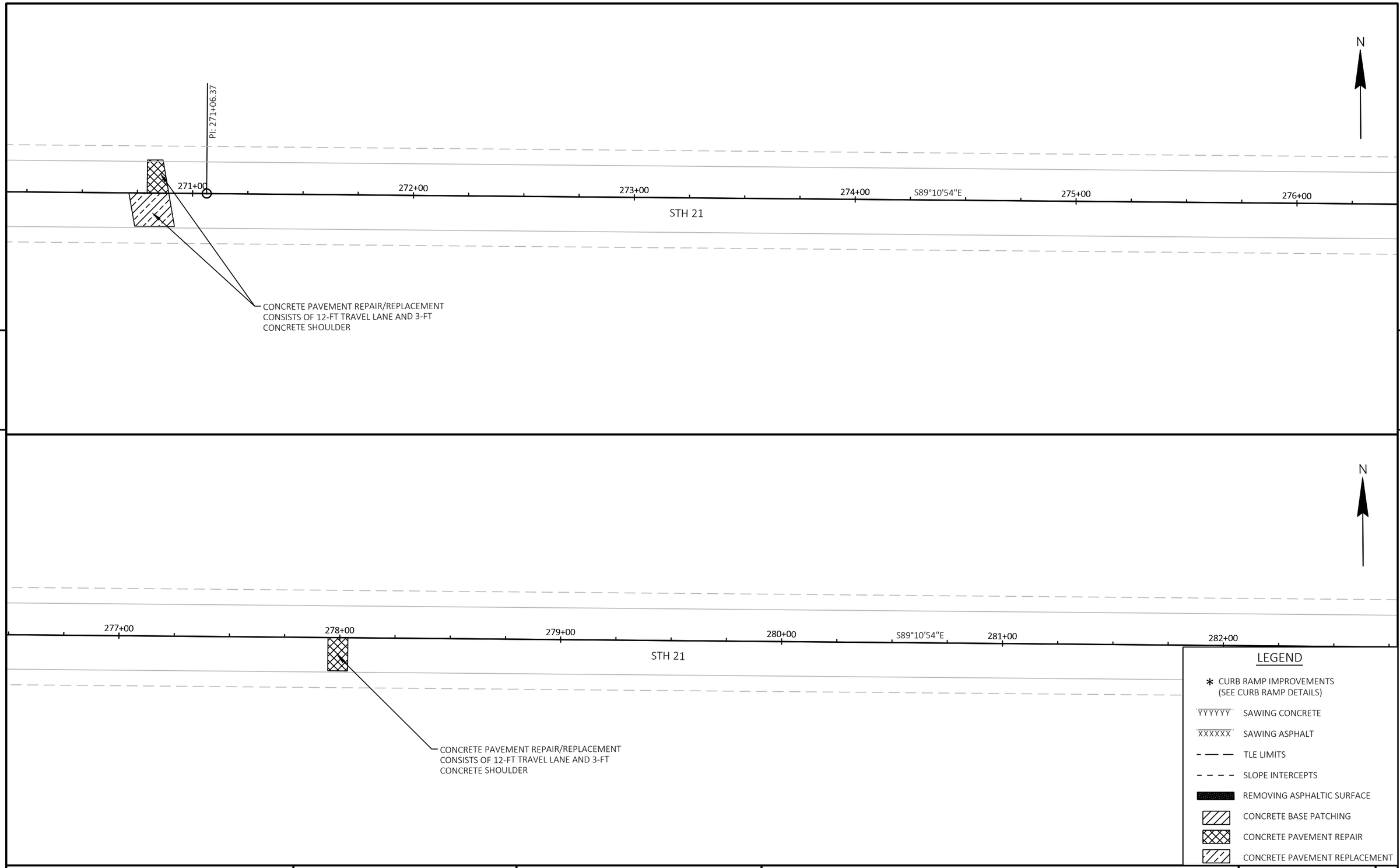
CURVE 8
PI STA = 262+84.37
Y = 478913.692
X = 763476.693
DELTA = 0°42'28" RT
D = 0°09'58"
T = 213.13'
L = 426.26'
R = 34510.00'
PC STA = 260+71.24
Y = 478914.054
X = 763263.561
PT STA = 264+97.49
Y = 478910.698
X = 763689.804
DB = S89°54'10"E
DA = S89°11'42"E
SE = NC MAX

LEGEND

- ✱ CURB RAMP IMPROVEMENTS (SEE CURB RAMP DETAILS)
- YYYYYY SAWING CONCRETE
- XXXXXX SAWING ASPHALT
- TLE LIMITS
- SLOPE INTERCEPTS
- REMOVING ASPHALTIC SURFACE
- CONCRETE BASE PATCHING
- CONCRETE PAVEMENT REPAIR
- CONCRETE PAVEMENT REPLACEMENT

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	PLAN	SHEET 366	E

FILE NAME : N:\PDS\C3D\61803000\SHEETSPLAN\050201-PN.DWG
LAYOUT NAME - 050228-pn
PLOT DATE : 7/25/2025 6:59 AM
PLOT BY : BALDERAS-RUEDEN, ANN
PLOT NAME :
PLOT SCALE : 1 IN:40 FT



5 5

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	PLAN	SHEET 367	E

FILE NAME : N:\PDS\C3D\61803000\SHEETSPLAN\050201-PN.DWG
LAYOUT NAME - 050229-pn

PLOT DATE : 7/25/2025 6:59 AM PLOT BY : BALDERAS-RUEDEN, ANN PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

N

283+00 284+00 285+00 286+00 S89°10'54"E 287+00 288+00 289+00

STH 21

5

5

N

290+00 291+00 S89°10'54"E 292+00 293+00 294+00 295+00

STH 21

CONCRETE PAVEMENT REPAIR/REPLACEMENT
CONSISTS OF 12-FT TRAVEL LANE AND 3-FT
CONCRETE SHOULDER

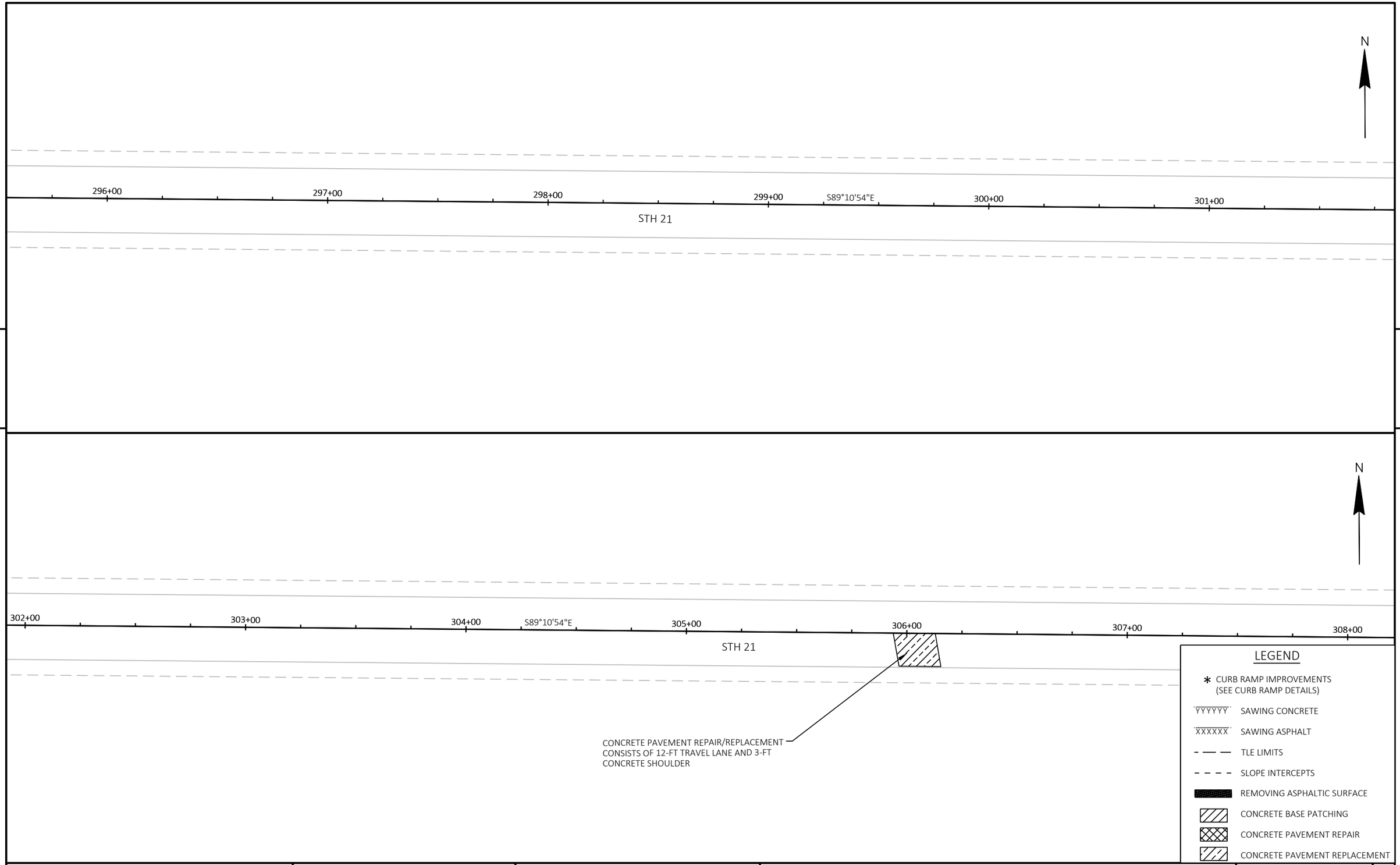
LEGEND

- ✱ CURB RAMP IMPROVEMENTS (SEE CURB RAMP DETAILS)
- YYYYYY SAWING CONCRETE
- XXXXXX SAWING ASPHALT
- TLE LIMITS
- SLOPE INTERCEPTS
- REMOVING ASPHALTIC SURFACE
- CONCRETE BASE PATCHING
- CONCRETE PAVEMENT REPAIR
- CONCRETE PAVEMENT REPLACEMENT

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	PLAN	SHEET 368	E

FILE NAME : N:\PDS\C3D\61803000\SHEETSPLAN\050201-PN.DWG
LAYOUT NAME - 050230-pn

PLOT DATE : 7/25/2025 6:59 AM PLOT BY : BALDERAS-RUEDEN, ANN PLOT NAME : PLOT SCALE : 1 IN:40 FT



5

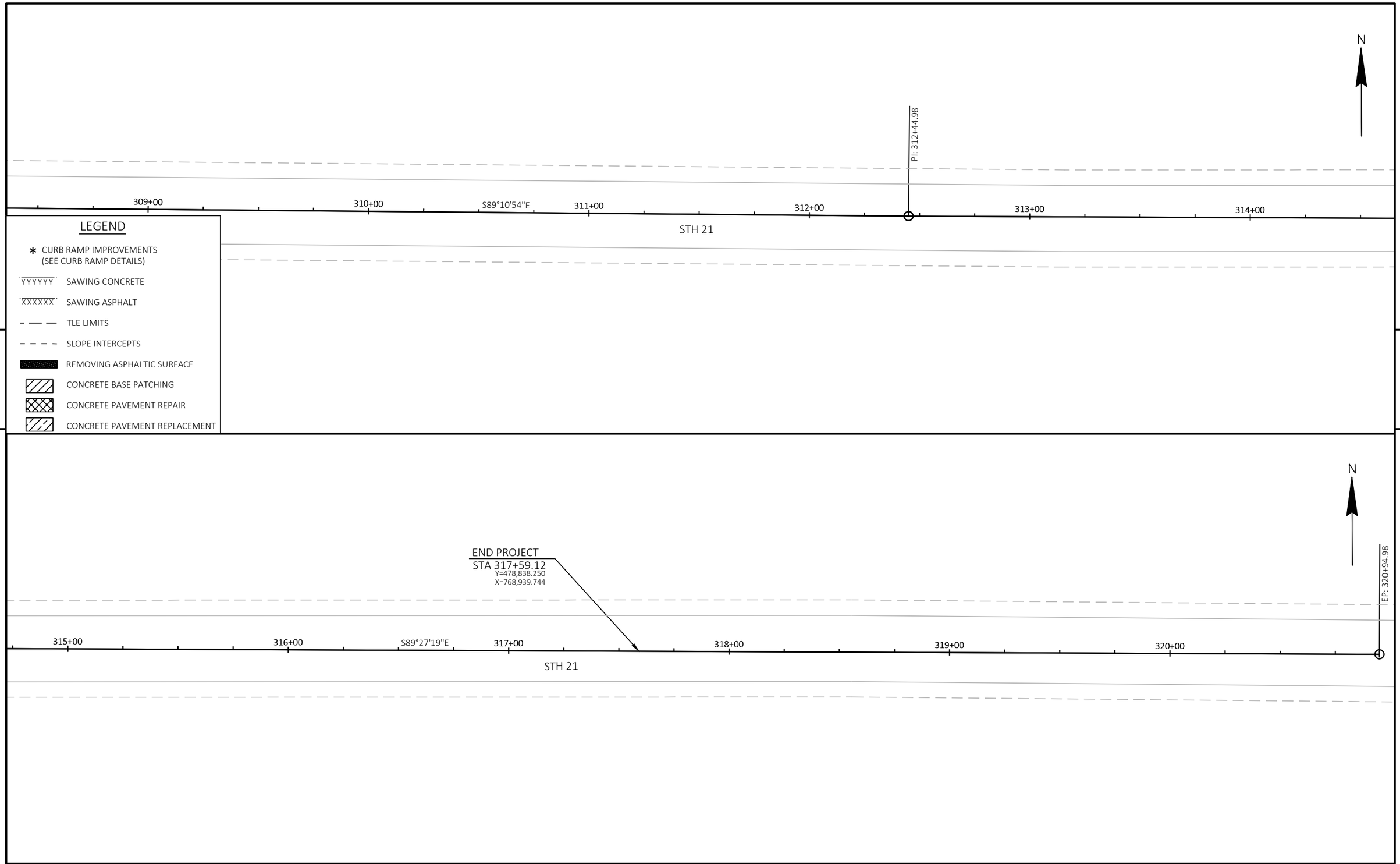
5

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	PLAN	SHEET 369	E

FILE NAME : N:\PDS\C3D\61803000\SHEETSPLAN\050201-PN.DWG
LAYOUT NAME - 050231-pn

PLOT DATE : 7/25/2025 6:59 AM PLOT BY : BALDERAS-RUEDEN, ANN PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44



5

5

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	PLAN	SHEET 370	E

FILE NAME : N:\PDS\C3D\61803000\SHEETSPLAN\050201-PN.DWG
LAYOUT NAME - 050232-pn

PLOT DATE : 7/25/2025 6:59 AM PLOT BY : BALDERAS-RUEDEN, ANN PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

SCHERER, DAVID J

EXIST R/W

IP

TLE

BEGIN PROJECT
STA 192+74.40
Y=478,934.873
X=756,466.770

PC: 192'EB'+74.40

STH 21

398'WB'

399'WB'

400'WB'

401'WB'

402'WB'

193'EB'

194'EB'

195'EB'

196'EB'

197'EB'

198'EB'

PT: 195'EB'+93.98

PC: 197'EB'+14.61

PC: 401'WB'+91.10

MATCH LINE STA 198+25

BP: 397'WB'+15.23

SAWING ASPHALT AND
MATCH EXISTING PAVEMENT

N

SLOPE INTERCEPTS (TYP)

PROPOSED DITCH C/L (TYP)

46 LF CPCS 18-INCH
(2) AEW REQD
198+52.5, 47.1' RT, INV:788.40
~~198+07.9, 47.3' RT, INV: 788.15~~

BM #1000

BENCH MARKS			
NO.	STATION	ELEV.	DESCRIPTION
1000	193+93, 128' RT	786.65	60D NAIL IN POWER POLE 18-15-14 18/25

192+25.00 193+00.00 194+00.00 195+00.00 196+00.00 197+00.00 198+00.00 198+25.00

795 790 785 783

VPI STA = 196+75.00 'EB'
VPI ELEV = 791.62
g1 = 1.54%
g2 = 0.40%
L = 250.00
K = 219

VPC STA 195+50.00 'EB'
VPC ELEV 789.69

VPT STA 198+00.00 'EB'
VPT ELEV 792.12

PVI STA 192+74.40'EB'
PVI ELEV 785.44

1.54% 'EB'

STA 194+75.00 "
ELEV 784.31 "
STA 194+84.17 "
ELEV 784.66 "

3.87% "

1.08% "

STA 198+09.17 "
ELEV 788.18

EXISTING PROFILE FOR STH 21 EB R/L

PROPOSED PROFILE FOR STH 21 EB R/L

PROPOSED PROFILE FOR STH 21 EB RIGHT SPECIAL DITCH

EXISTING ELEVATION ALONG STH 21 EB

PROPOSED ELEVATION ALONG STH 21 EB

784.66	784.66	785.06	785.06	785.83	785.83	786.61	786.61	787.38	787.38	788.10	788.10	788.77	788.77	789.41	789.41	790.03	790.03	790.58	790.58	791.14	791.14	791.66	791.66	792.22	792.22	792.47	792.47

192+25 193+00 194+00 195+00 196+00 197+00 198+00 198+25

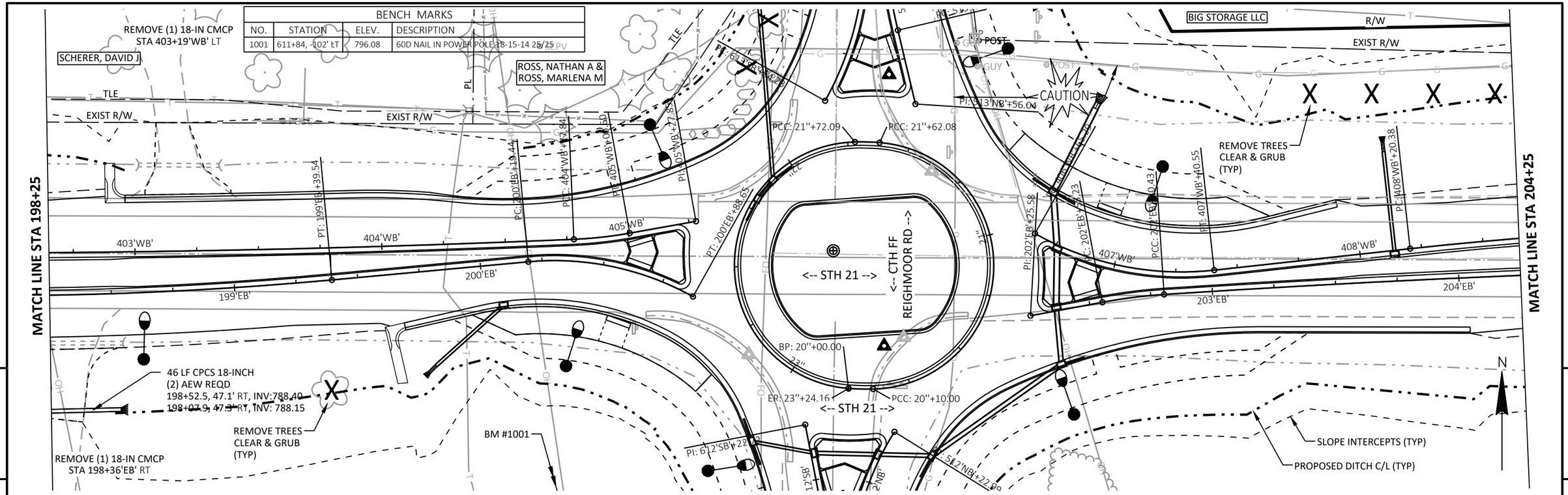
PROJECT NO: 6180-30-72	HWY: STH 21	COUNTY: WINNEBAGO	PLAN AND PROFILE: STH 21 EB (CTH FF-REIGHMOOR RD)	SHEET 371	E

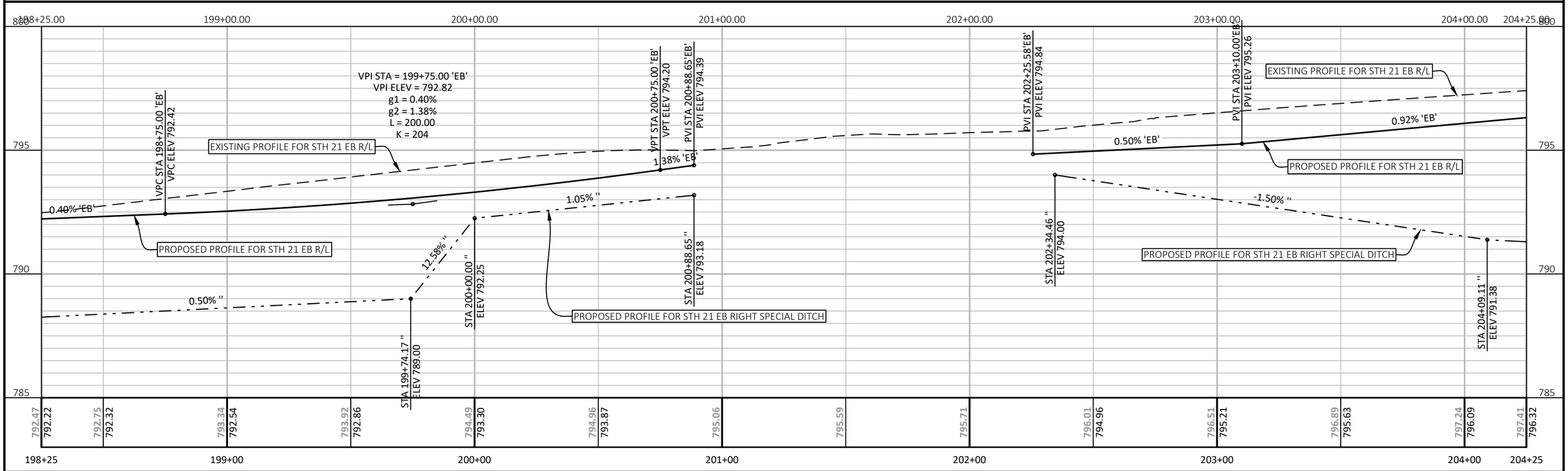
FILE NAME : N:\3001091.00\CIVIL 3D\SHEETSPLAN\61803071-050100-PP.DWG
LAYOUT NAME - 61803071-050101-pp

PLOT DATE : 7/16/2025 8:49 AM PLOT BY : MATT TOMSOVIC PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

BENCH MARKS			
NO.	STATION	ELEV.	DESCRIPTION
1001	611+84, -102' LT	796.08	60D NAIL IN POWER POLE 28-15-14 25/25





PROJECT NO: 6180-30-72	HWY: STH 21	COUNTY: WINNEBAGO	PLAN AND PROFILE: STH 21 EB (CTH FF-REIGHMOOR RD)	SHEET 372	E

FILE NAME : N:\3001091.00\CIVIL 3D\SHEETSPLAN\61803071-050100-PP.DWG
LAYOUT NAME - 61803071-050102-pp
PLOT DATE : 7/8/2025 1:37 PM PLOT BY : MATT TOMSOVIC PLOT NAME : PLOT SCALE : 1 IN:40 FT

ZIEGENHAGEN, MATTHEW J &
BECK, MOLLY C

PROPOSED DITCH C/L (TYP)

R/W

CAUTION

EXIST R/W

MATCH LINE STA 204+25

PT: 410'WB'+61.75

PT: 207'EB'+00.63

PC: 411'WB'+82.61

EP: 414'WB'+64.97

409'WB' 410'WB' 411'WB' 412'WB' 413'WB' 414'WB'

205'EB' 206'EB' 207'EB' 208'EB' 209'EB' 210'EB'

STH 21

88 LF CPRC CLASS III 42-INCH
(2) AEW REQD
206+87.1, -51.2' LT, INV:789.88
206+84.2, 36.9' RT, INV: 790.12

SLOPE INTERCEPTS (TYP)

END CONSTRUCTION
STA 210'EB'+24.26

REMOVE (1) 36-IN RCCP
STA 206+85'EB'

BM #1002

BENCH MARKS			
NO.	STATION	ELEV.	DESCRIPTION
1002	207+12, 142' RT	794.40	60D NAIL IN POWER POLE 18-15-14 32/25

204+25.00 205+00.00 206+00.00 207+00.00 208+00.00 209+00.00 210+00.00 210+25.00

PROPOSED ELEVATION SPECIAL DITCH RIGHT

VPI STA = 205+50.00 'EB'
VPI ELEV = 797.47
g1 = 0.92%
g2 = 0.48%
L = 200.00
K = 454

VPC STA 204+50.00 'EB'
VPC ELEV 796.55

VPT STA 206+50.00 'EB'
VPT ELEV 797.95

PVI STA 210+24.26'EB'
PVI ELEV 799.74

EXISTING PROFILE FOR STH 21 EB R/L

0.48% 'EB'

PROPOSED PROFILE FOR STH 21 EB R/L

STA 206+85.18 ''
ELEV 790.00

STA 207+59.17 ''
ELEV 791.39

-0.50% ''

1.88% ''

0.51% ''

PROPOSED PROFILE FOR STH 21 EB RIGHT SPECIAL DITCH

STA 210+24.26 ''
ELEV 792.74

800 795 790

797.41 796.32 | 797.56 796.55 | 797.82 796.98 | 798.06 797.36 | 798.28 797.68 | 798.45 797.95 | 798.61 798.19 | 798.79 798.43 | 798.96 798.67 | 799.15 798.91 | 799.32 799.15 | 799.48 799.39 | 799.65 799.63

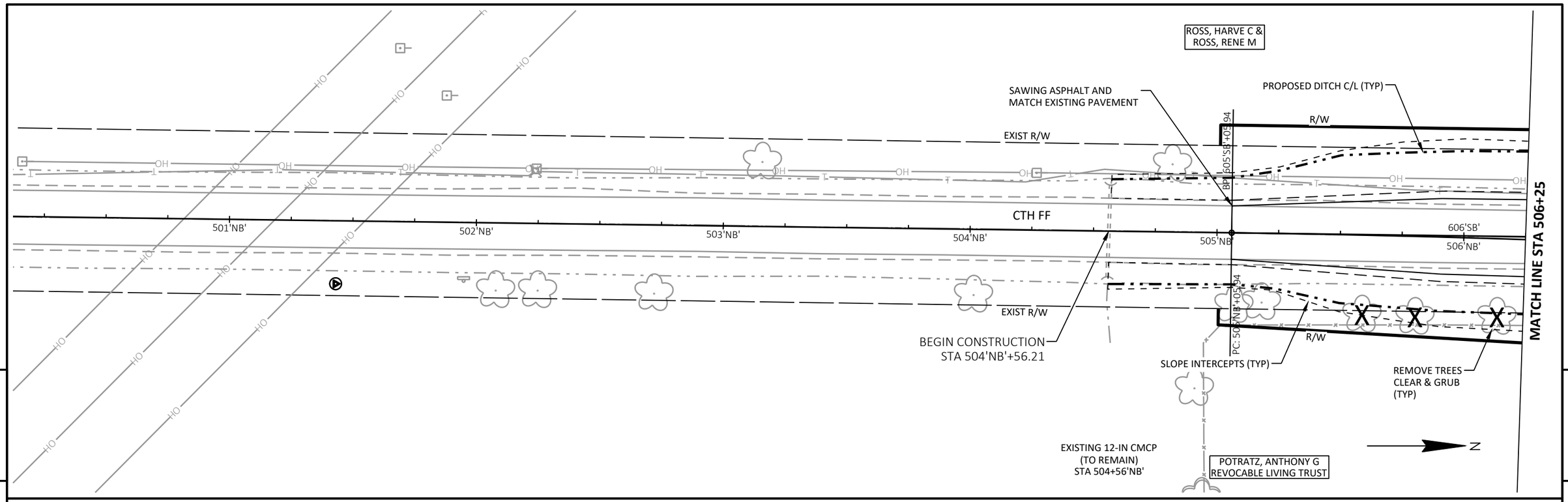
204+25 205+00 206+00 207+00 208+00 209+00 210+00 210+25

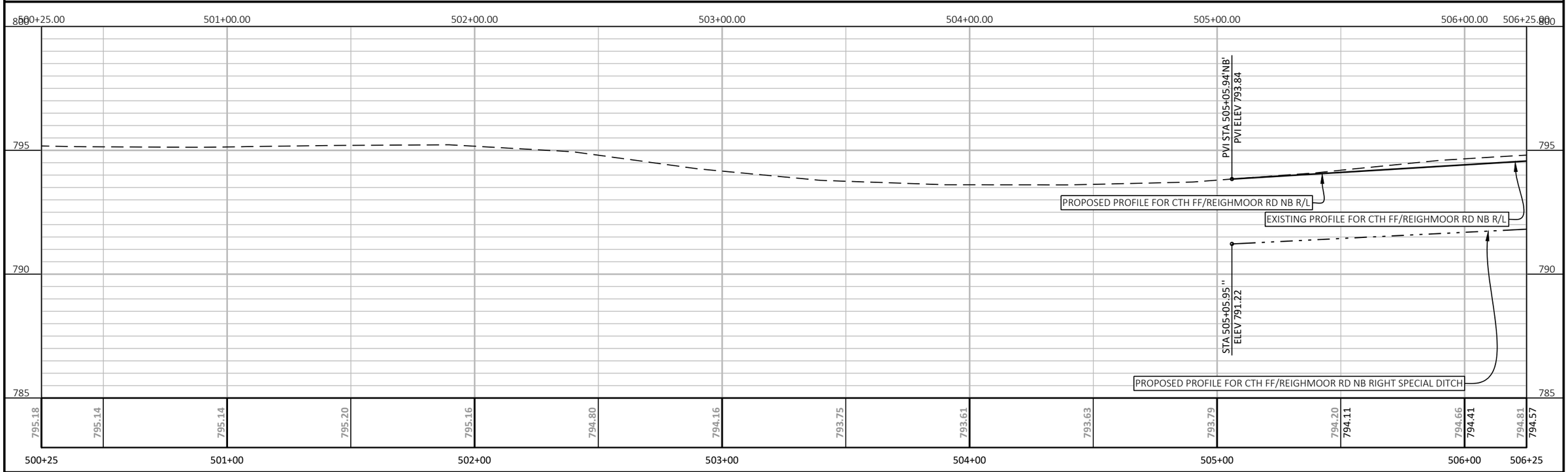
PROJECT NO: 6180-30-72	HWY: STH 21	COUNTY: WINNEBAGO	PLAN AND PLOT: STH 21 EB (CTH FF-REIGHMOOR RD)	SHEET 373	E

FILE NAME : N:\3001091.00\CIVIL 3D\SHEETSPLAN\61803071-050100-PP.DWG
LAYOUT NAME - 61803071-050103-pp

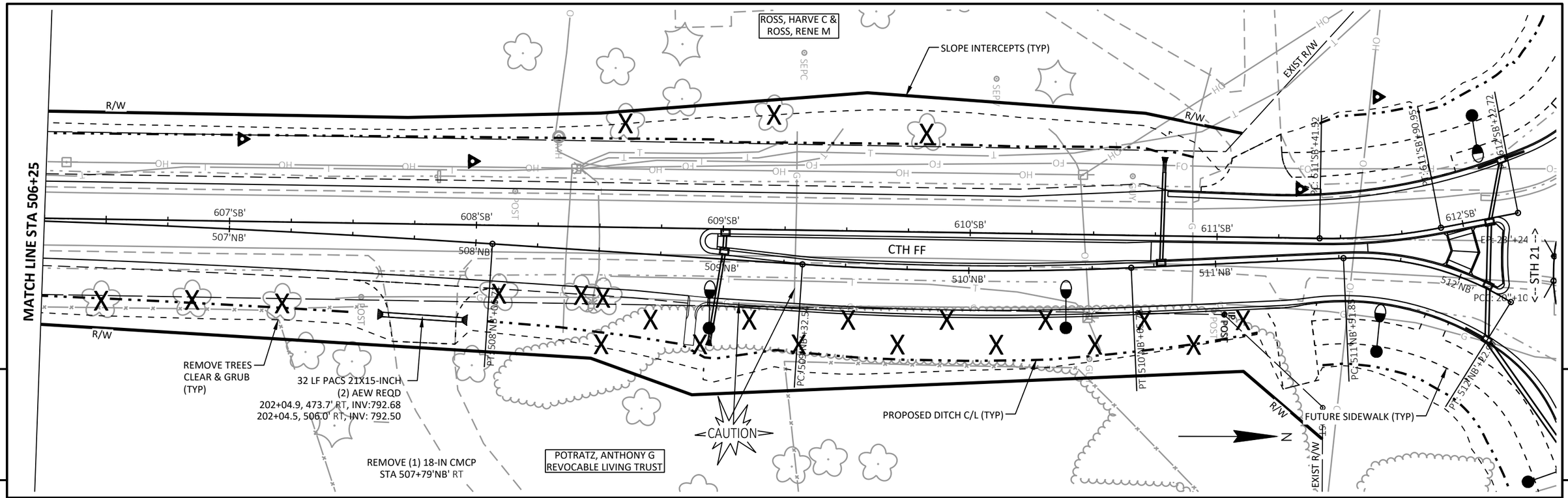
PLOT DATE : 5/19/2025 12:13 PM PLOT BY : MATT TOMSOVIC PLOT NAME : PLOT SCALE : 1 IN:40 FT

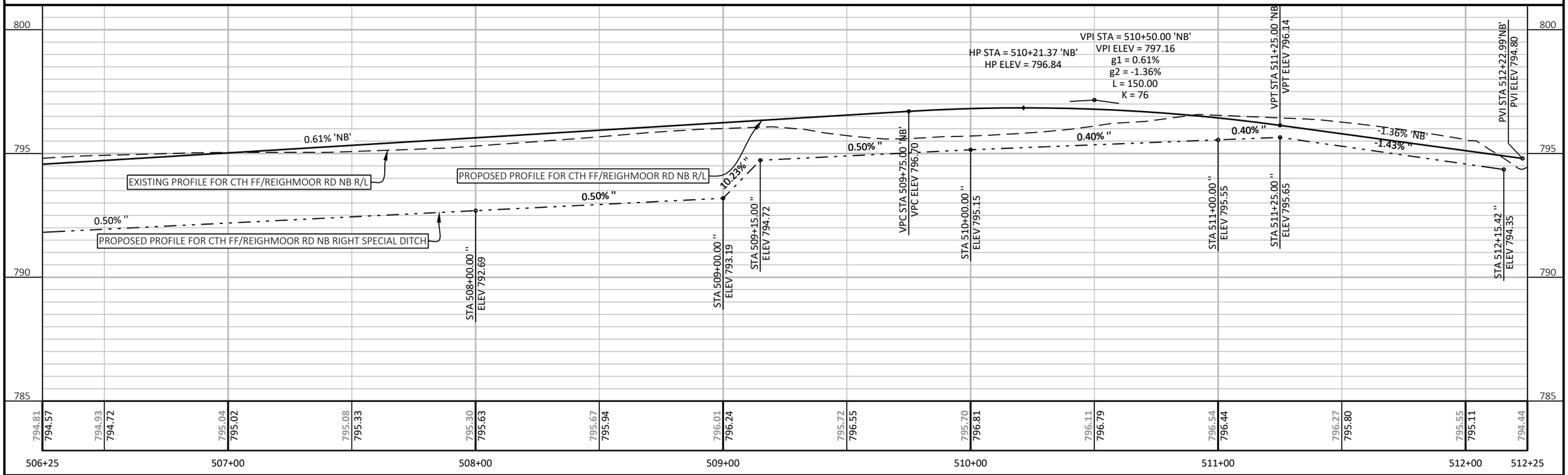
WISDOT/CADDS SHEET 44





PROJECT NO: 6180-30-72	HWY: STH 21	COUNTY: WINNEBAGO	PLAN AND PROFILE: CTH FF NB	SHEET 374	E

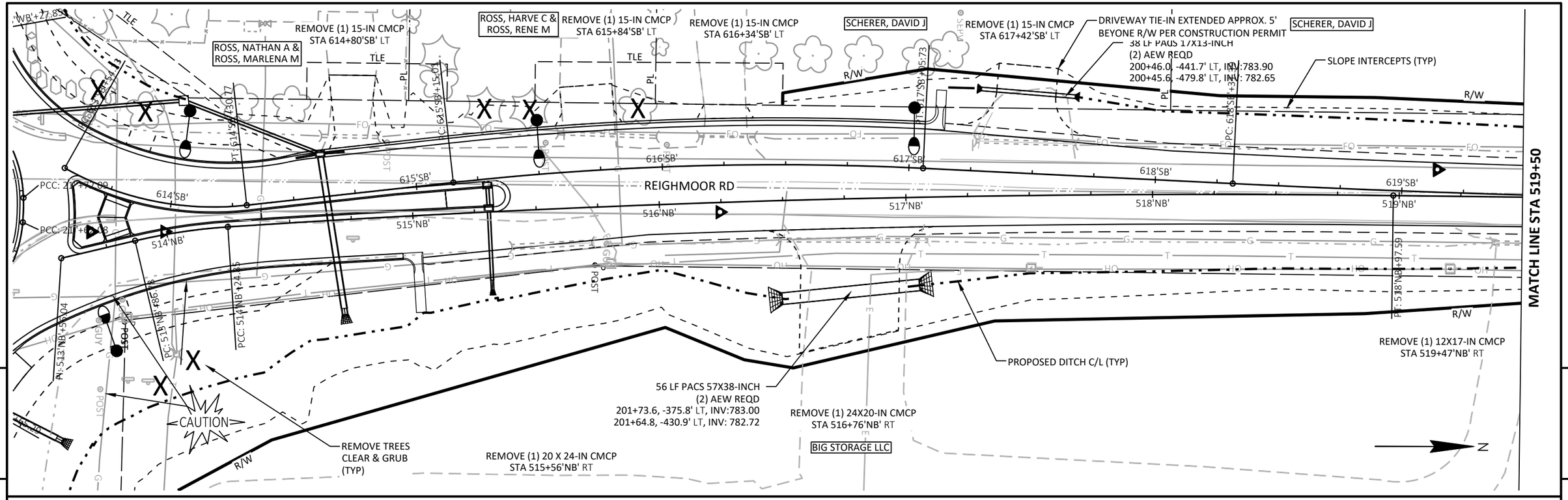


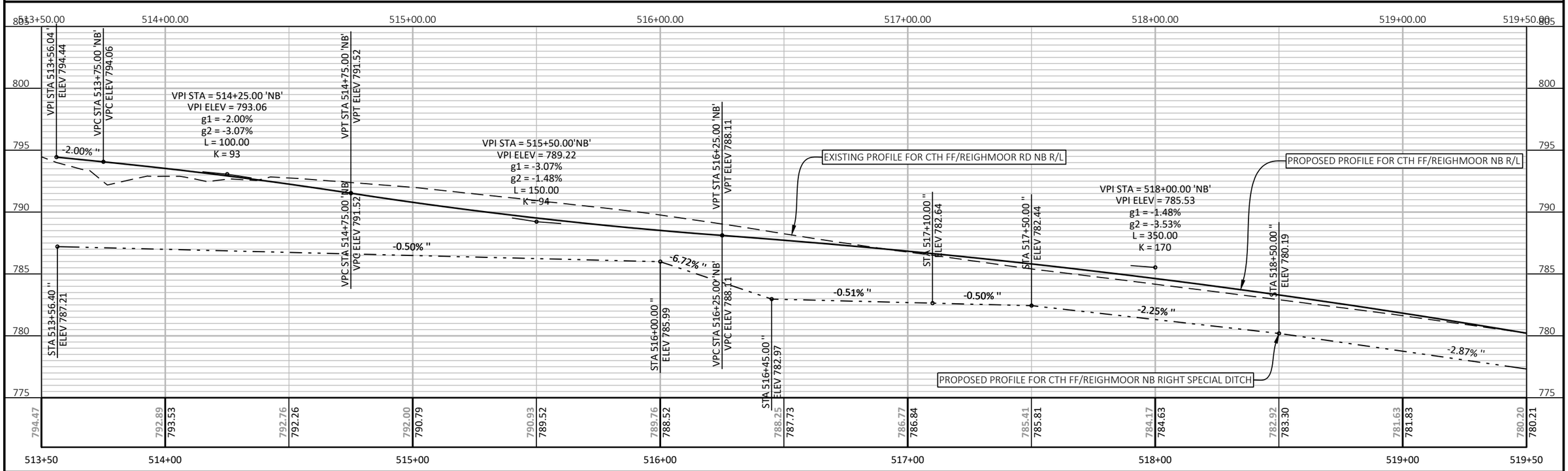


PROJECT NO: 6180-30-72	HWY: STH 21	COUNTY: WINNEBAGO	PLAN AND PROFILE: CTH FF NB	SHEET 375	E

FILE NAME : N:\3001091.00\CIVIL 3D\SHEETSPLAN\61803071-050100-PP.DWG
LAYOUT NAME - 61803071-050122-pp

PLOT DATE : 7/16/2025 8:51 AM PLOT BY : MATT TOMSOVIC PLOT NAME : PLOT SCALE : 1 IN:40 FT



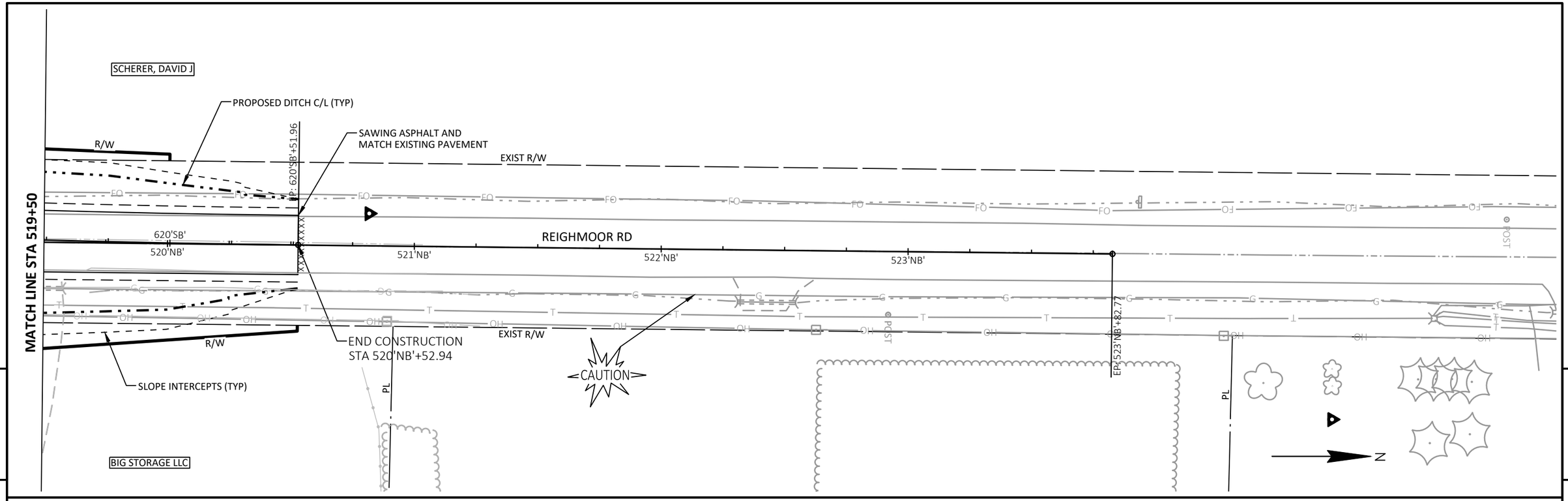


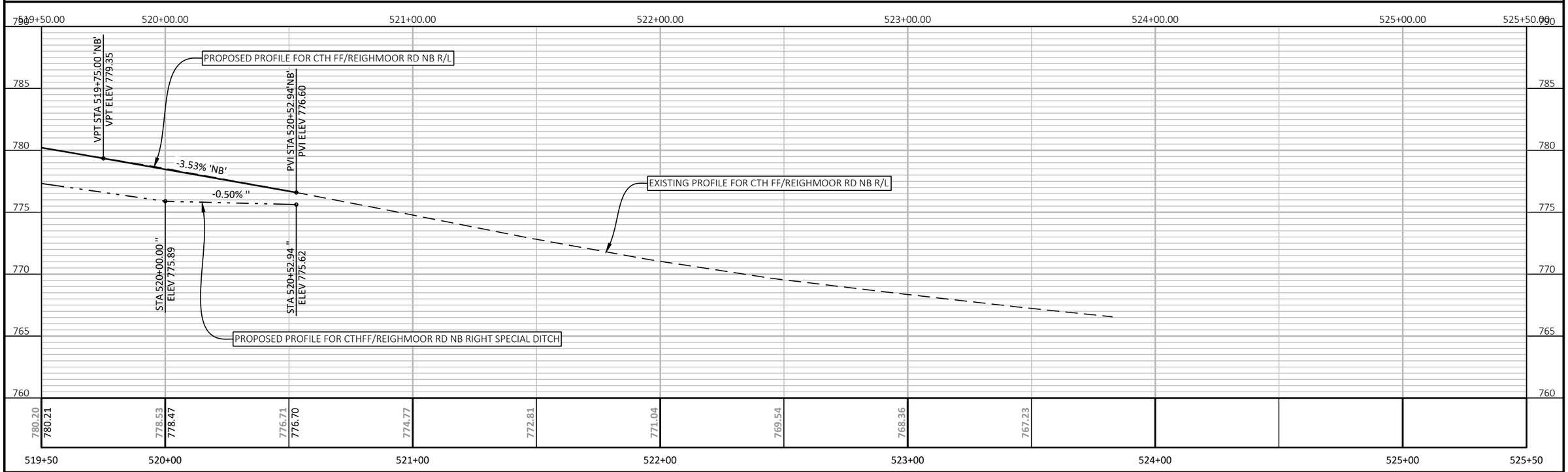
PROJECT NO: 6180-30-72	HWY: STH 21	COUNTY: WINNEBAGO	PLAN AND PROFILE: REIGHMOOR RD NB	SHEET 376	E

FILE NAME : N:\3001091.00\CIVIL 3D\SHEETSPLAN\61803071-050100-PP.DWG
LAYOUT NAME - 61803071-050125-pp

PLOT DATE : 7/16/2025 8:57 AM PLOT BY : MATT TOMSOVIC PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44



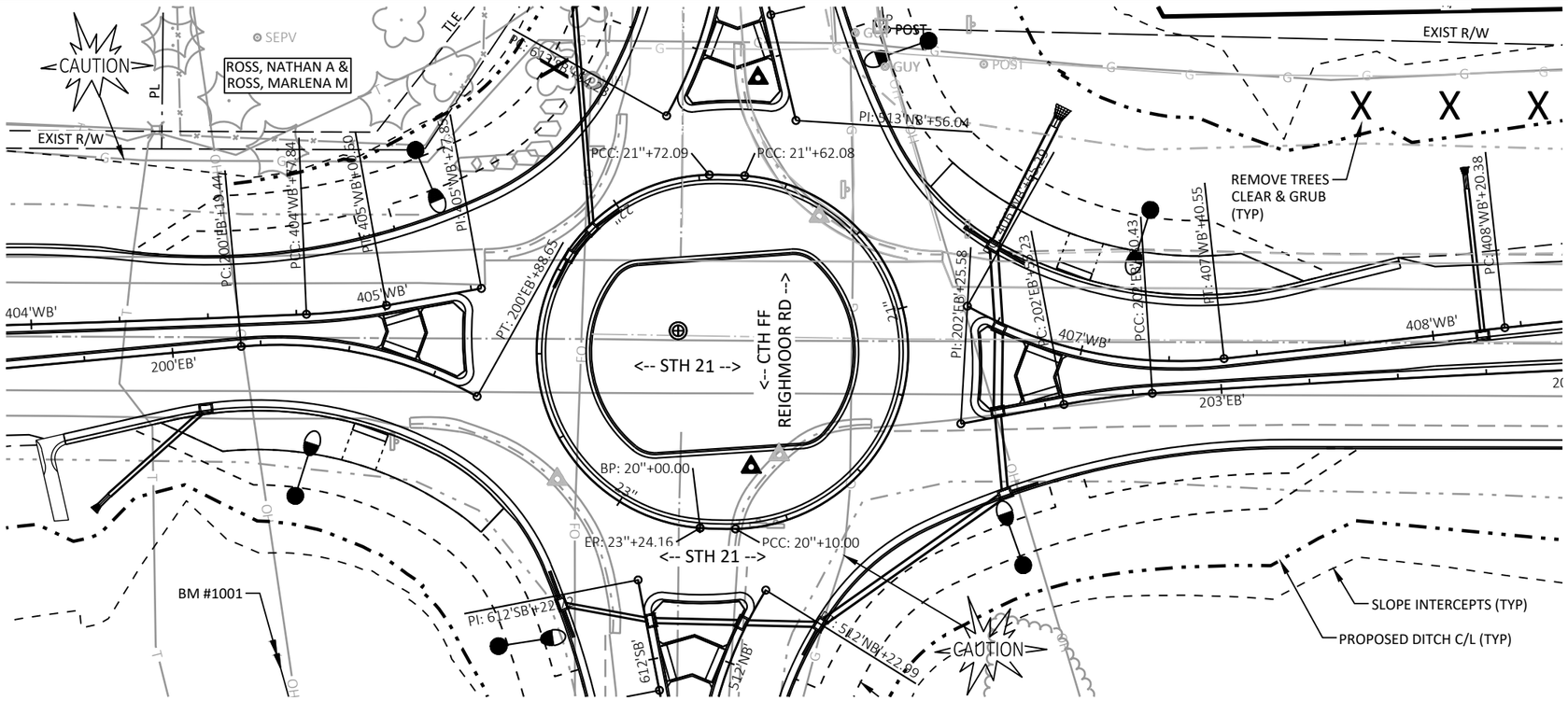


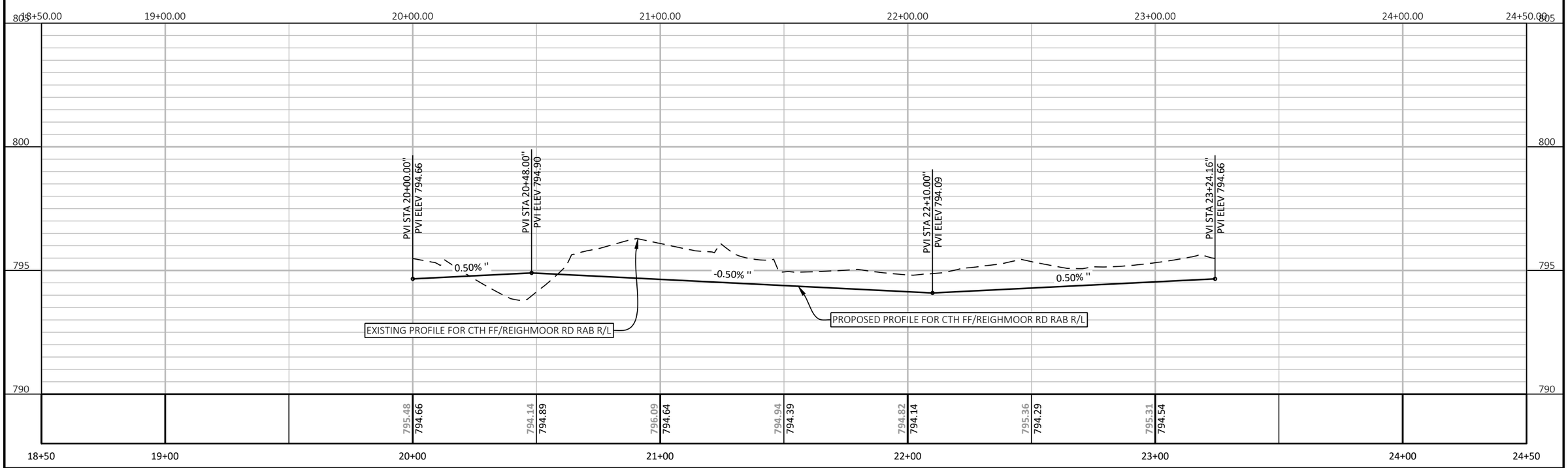
PROJECT NO: 6180-30-72	HWY: STH 21	COUNTY: WINNEBAGO	PLAN AND PROFILE: REIGHMOOR RD NB	SHEET 377	E

FILE NAME : N:\3001091.00\CIVIL 3D\SHEETSPLAN\61803071-050100-PP.DWG
LAYOUT NAME - 61803071-050126-pp

PLOT DATE : 7/8/2025 1:38 PM PLOT BY : MATT TOMSOVIC PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

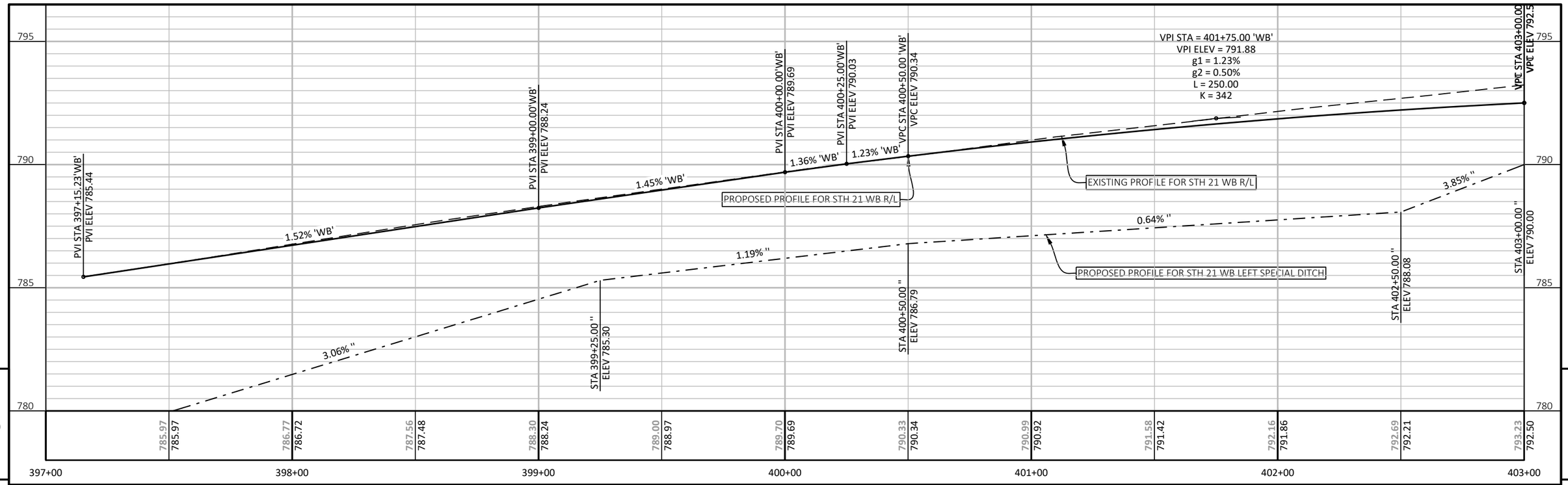


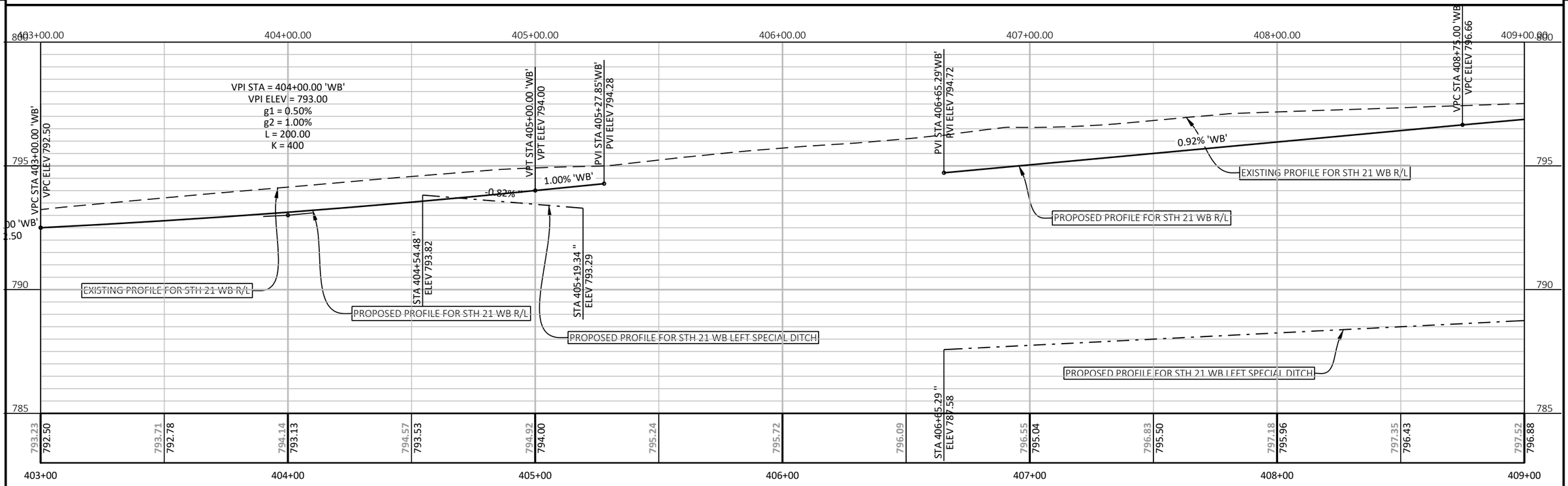


PROJECT NO: 6180-30-72	HWY: STH 21	COUNTY: WINNEBAGO	PLAN AND PROFILE: CTH FF-REIGHMOOR RD ROUNDABOUT	SHEET 378	E

FILE NAME : N:\3001091.00\CIVIL 3D\SHEETSPLAN\61803071-050100-PP.DWG
LAYOUT NAME - 61803071-050131-pp

PLOT DATE : 5/20/2025 11:04 AM PLOT BY : MATT TOMSOVIC PLOT NAME : PLOT SCALE : 1 IN:40 FT





PROJECT NO: 6180-30-72	HWY: STH 21	COUNTY: WINNEBAGO	STH 21 WB (CTH FF-REIGHMOOR RD)	SHEET 379	E

409+00.00 410+00.00 411+00.00 412+00.00 413+00.00 414+00.00 415+00.00

805 800 795 790 785 780

VPI STA = 409+75.00 'WB'
VPI ELEV = 797.58
g1 = 0.92%
g2 = 0.44%
L = 200.00
K = 415

VPT STA 410+75.00 'WB'
VPT ELEV 798.02

0.44% ''

EXISTING PROFILE FOR STH 21 WB R/L

PROPOSED PROFILE FOR STH 21 WB R/L

VPI STA 414+64.97 ''
ELEV 799.74

0.50% ''

0.76% ''

PROPOSED PROFILE FOR STH 21 WB LEFT SPECIAL DITCH

STA 411+50.00 ''
ELEV 790.00

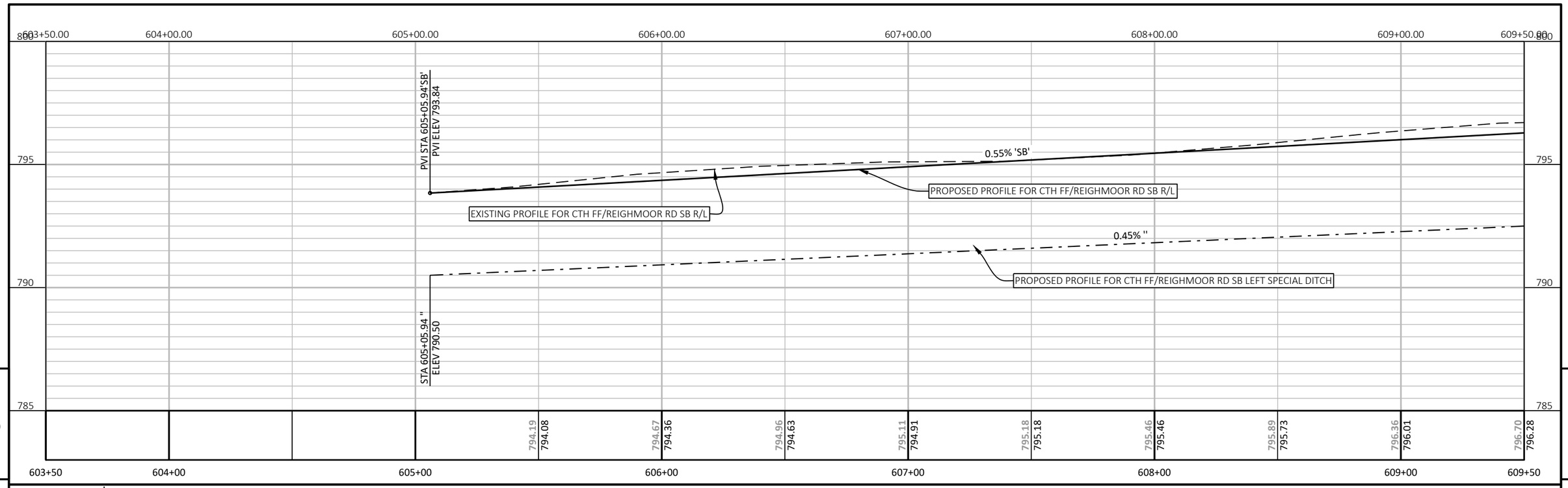
STA 411+75.00 ''
ELEV 790.19

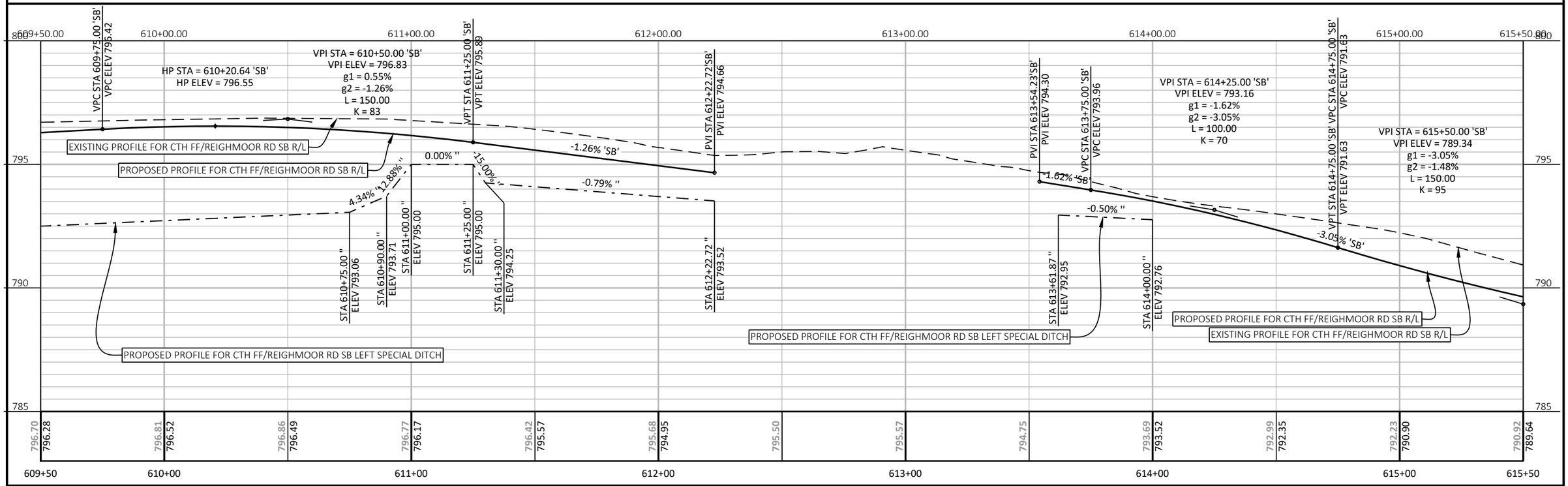
797.52	796.88	797.69	797.28	797.89	797.62	798.08	797.90	798.26	798.13	798.50	798.35	798.70	798.57	798.92	798.79	799.14	799.02	799.33	799.24	799.50	799.46	799.69	799.68

409+00 410+00 411+00 412+00 413+00 414+00 415+00

5 5

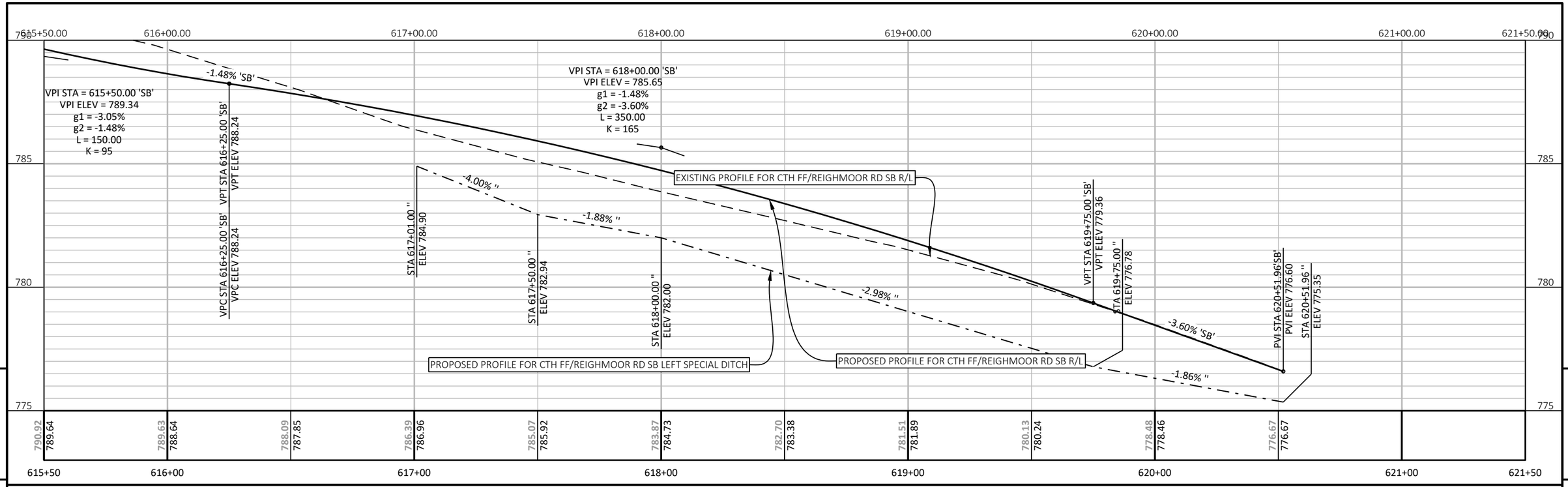
PROJECT NO: 6180-30-72	HWY: STH 21	COUNTY: WINNEBAGO	STH 21 WB (CTH FF-REIGHMOOR RD)	SHEET 380	E





PROJECT NO: 6180-30-72	HWY: STH 21	COUNTY: WINNEBAGO	CTH FF-REIGHMOOR RD - SB RL	SHEET 381	E

FILE NAME : N:\3001091.00\CIVIL 3D\SHEETSPLAN\61803071-050100-PP.DWG
LAYOUT NAME - 61803071-050321-pr
PLOT DATE : 5/19/2025 12:43 PM
PLOT BY : MATT TOMSOVIC
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44



PROJECT NO: 6180-30-72	HWY: STH 21	COUNTY: WINNEBAGO	CTH FF-REIGHMOOR RD - SB RL	SHEET 382 E

FILE NAME : N:\3001091.00\CIVIL 3D\SHEETSPLAN\61803071-050100-PP.DWG
LAYOUT NAME - 61803071-050322-pr

PLOT DATE : 5/19/2025 12:43 PM PLOT BY : MATT TOMSOVIC PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

EXIST R/W

EXIST R/W

SAWING ASPHALT AND
MATCH EXISTING PAVEMENT

BP: 350'WB'+00.00
XXXXXXXXXXXXXXXX

PC: 245'EB'+59.18

BEGIN CONSTRUCTION
STA 245'EB'+59.17

CAUTION

PC: 355'WB'+62.69

MATCH LINE STA 251+50

246'EB' 247'EB' 248'EB' 249'EB' 250'EB' 251'EB'

351'WB' 352'WB' 353'WB' 354'WB' 355'WB'

STH 21

PT: 249'EB'+16.12

PC: 250'EB'+39.15

PROPOSED DITCH C/L (TYP)

SLOPE INTERCEPTS (TYP)

BM #1003

N

5

5

BENCH MARKS			
NO.	STATION	ELEV.	DESCRIPTION
1003	248+05, 127' RT	854.00	60D NAIL IN POWER POLE 18-15-13 22/25

245+50.00 246+00.00 247+00.00 248+00.00 249+00.00 250+00.00 251+00.00 251+50.00

855 850 845 840

PVI STA 245+59.18'EB'
PVI ELEV 849.45

VPC STA 246+59.18 'EB'
VPC ELEV 850.17

VPI STA = 248+09.18 'EB'
VPI ELEV = 851.25
g1 = 0.72%
g2 = -0.48%
L = 300.00
K = 249

HP STA = 248+38.69 'EB'
HP ELEV = 850.82

VPT STA 249+59.18 'EB'
VPT ELEV 850.53

PROPOSED PROFILE FOR STH 21 EB R/L

EXISTING PROFILE FOR STH 21 EB R/L

0.72% 'EB'

0.52% ''

-0.50% ''

PROPOSED PROFILE FOR STH 21 EB RIGHT SPECIAL DITCH

STA 245+59.18 ''
ELEV 846.40

STA 248+16.67 ''
ELEV 847.74

849.42	849.60	849.75	849.72	850.11	849.86	850.43	849.96	850.66	849.98	850.79	849.97	850.82	849.99	850.74	849.93	850.57	849.83	850.33	849.67	850.09	849.55	849.85	849.47	849.60

245+50 246+00 247+00 248+00 249+00 250+00 251+00 251+50

PROJECT NO: 6180-30-73	HWY: STH 21	COUNTY: WINNEBAGO	PLAN AND PROFILE: STH 21 EB (SAND PIT RD)	SHEET 383	E

FILE NAME : N:\3001091.00\CIVIL 3D\SHEETSPLAN\61803071-050100-PP.DWG
LAYOUT NAME - 61803071-050151-pp

PLOT DATE : 5/19/2025 12:54 PM PLOT BY : MATT TOMSOVIC PLOT NAME : PLOT SCALE : 1 IN:40 FT

MECHANICAL SERVICES INC

JONMAR INVESTMENTS LLC

MATCH LINE STA 251+50

MATCH LINE STA 257+50

CAUTION

R/W

EXIST R/W

PL

POST

IP

PC: 806'SB'+06.88

PC: 358'WB'+42.26

PI: 358'WB'+71.73

PI: 358'WB'+99.22

PI: 806'NB'+07.07

PC: 360'WB'+06.73

PI: 360'WB'+30.97

PI: 361'WB'+56.79

EP: 13"+14.16

BP: 10"+00.00

PCC: 12"+40.15

<-- STH 21 -->

<-- SAND PIT RD -->

12"

PCC: 11"+53.40

11"

356'WB'

357'WB'

358'WB'

361'WB'

252'EB'

253'EB'

254'EB'

256'EB'

257'EB'

PI: 252'EB'+71.6

PC: 253'EB'+59.43

PT: 254'EB'+36.02

PI: 255'EB'+68.42

PC: 256'EB'+00.89

PCC: 256'EB'+41.12

124 LF CPRC CLASS IV 36-INCH
(2) AEW REQD
256+26.9, 55.5' RT, INV:840.90
256+37.3, -67.9' LT, INV: 840.09

FUTURE SIDEWALK (TYP)

PROPOSED DITCH C/L (TYP)

SLOPE INTERCEPTS (TYP)

T 00 N
R 00 E

LAND SURVEY MONUMENT
N = 478915.890
E = 762697.6330

PI: 804'SBI'+74.73

PC: 604'NBI'+74.76

N

5

5

PROPOSED ELEVATION SPECIAL DITCH RIGHT

PVI STA 254+36.02'EB'
PVI ELEV 848.22

PVI STA 255+68.42'EB'
PVI ELEV 847.73

VPC STA 256+85.00 'EB'
VPC ELEV 848.31

EXISTING PROFILE FOR STH 21 EB R/L

PROPOSED PROFILE FOR STH 21 EB R/L

-0.48% 'EB'

0.50% 'EB'

PROPOSED PROFILE FOR STH 21 EB RIGHT SPECIAL DITCH

-1.28% ''

-0.50% ''

2.67% ''

STA 252+50.00 ''
ELEV 845.57

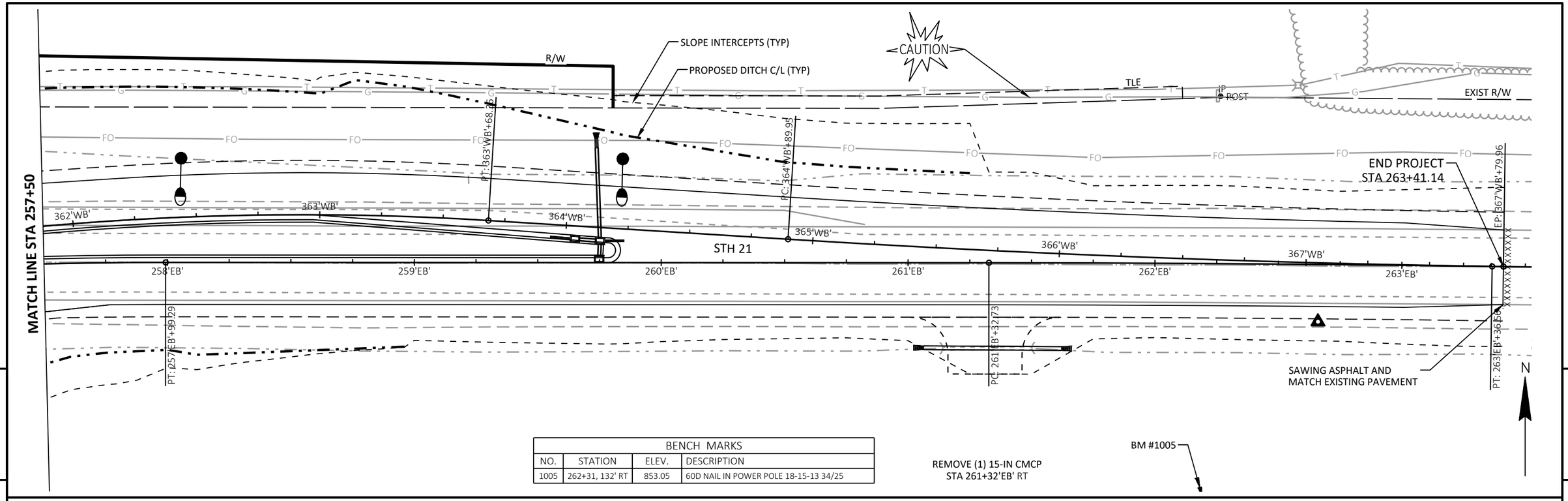
STA 253+09.00 ''
ELEV 844.82

STA 254+28.68 ''
ELEV 844.22

STA 255+59.40 ''
ELEV 841.21

STA 256+20.00 ''
ELEV 840.90

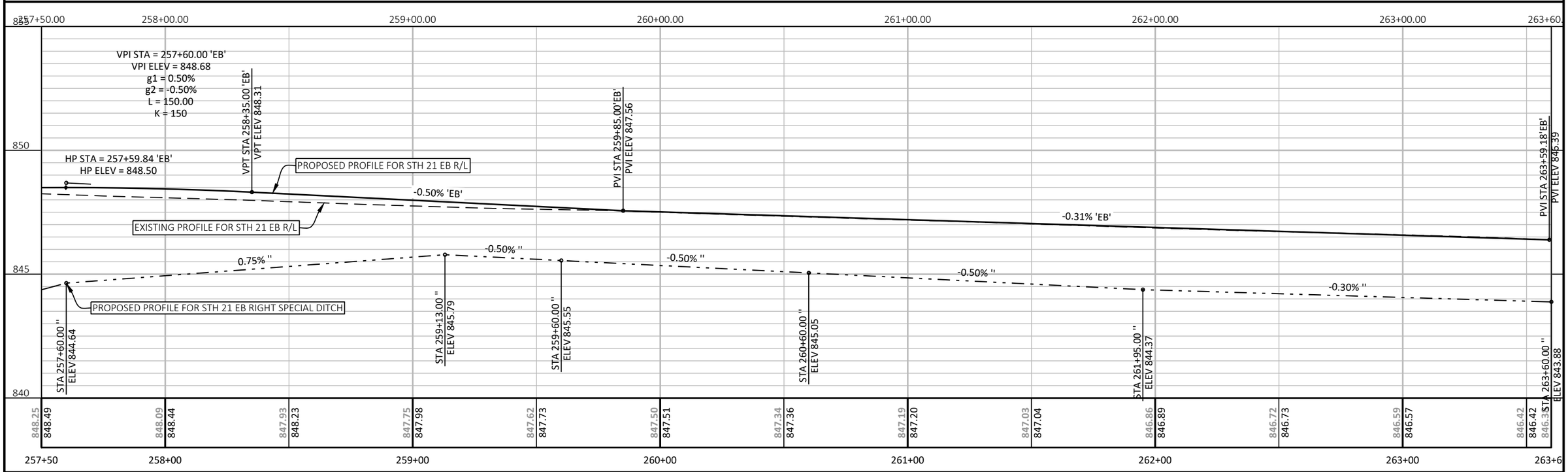
| | | |



BENCH MARKS			
NO.	STATION	ELEV.	DESCRIPTION
1005	262+31, 132' RT	853.05	60D NAIL IN POWER POLE 18-15-13 34/25

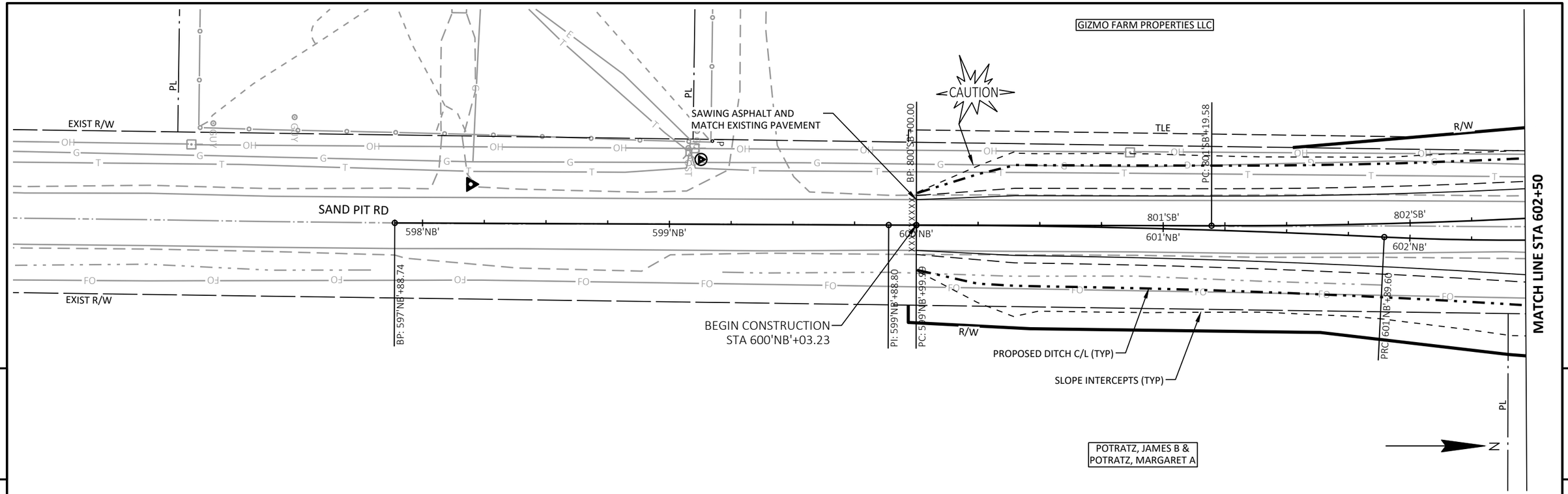
REMOVE (1) 15-IN CMCP
STA 261+32'EB' RT

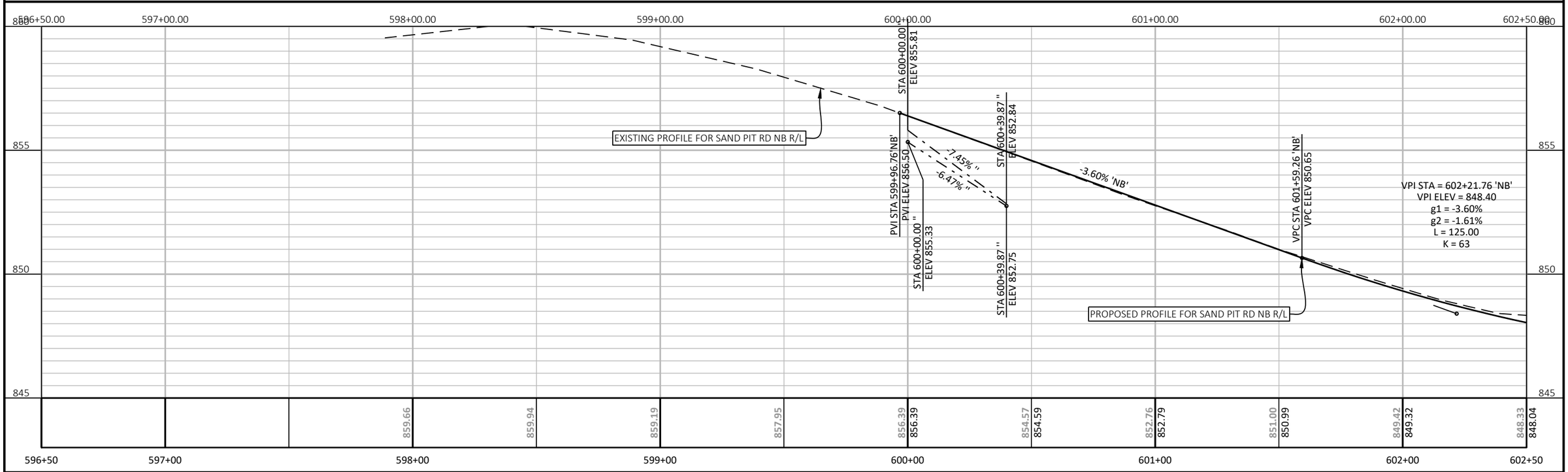
BM #1005



PROJECT NO: 6180-30-73	HWY: STH 21	COUNTY: WINNEBAGO	PLAN AND PLOTTING: STH 21 EB (SAND PIT RD)	SHEET 385	E

FILE NAME : N:\3001091.00\CIVIL 3D\SHEETSPLAN\61803071-050100-PP.DWG
LAYOUT NAME - 61803071-050153-pp
PLOT DATE : 5/19/2025 12:55 PM PLOT BY : MATT TOMSOVIC PLOT NAME : PLOT SCALE : 1 IN:40 FT



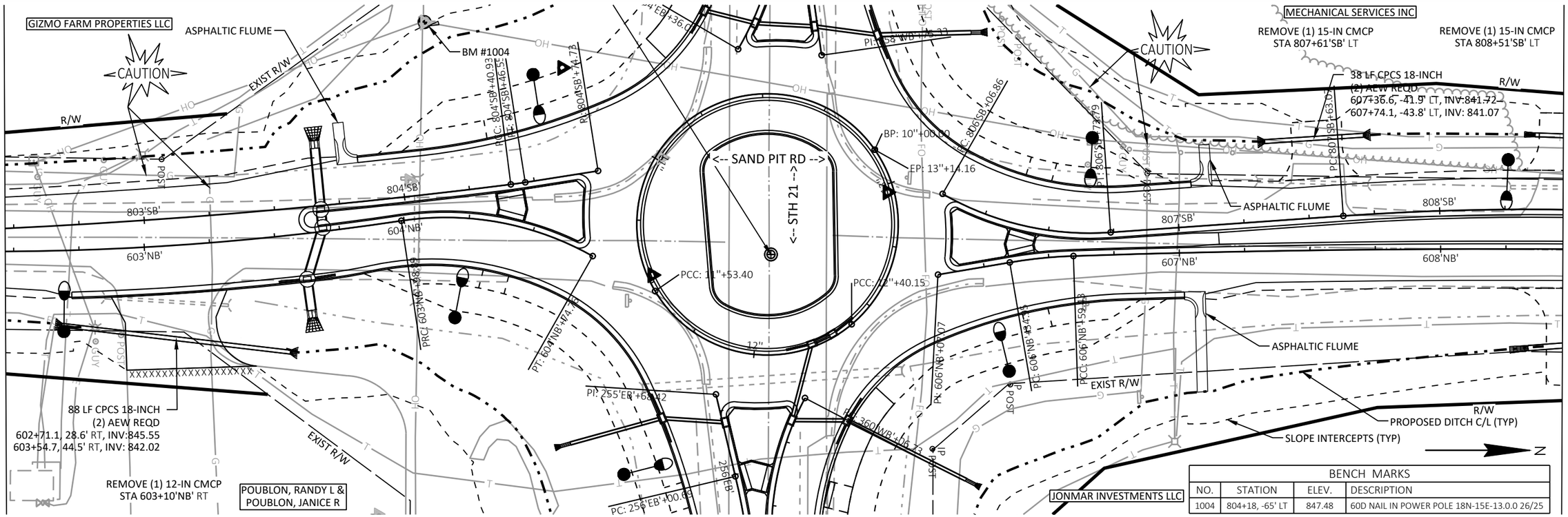


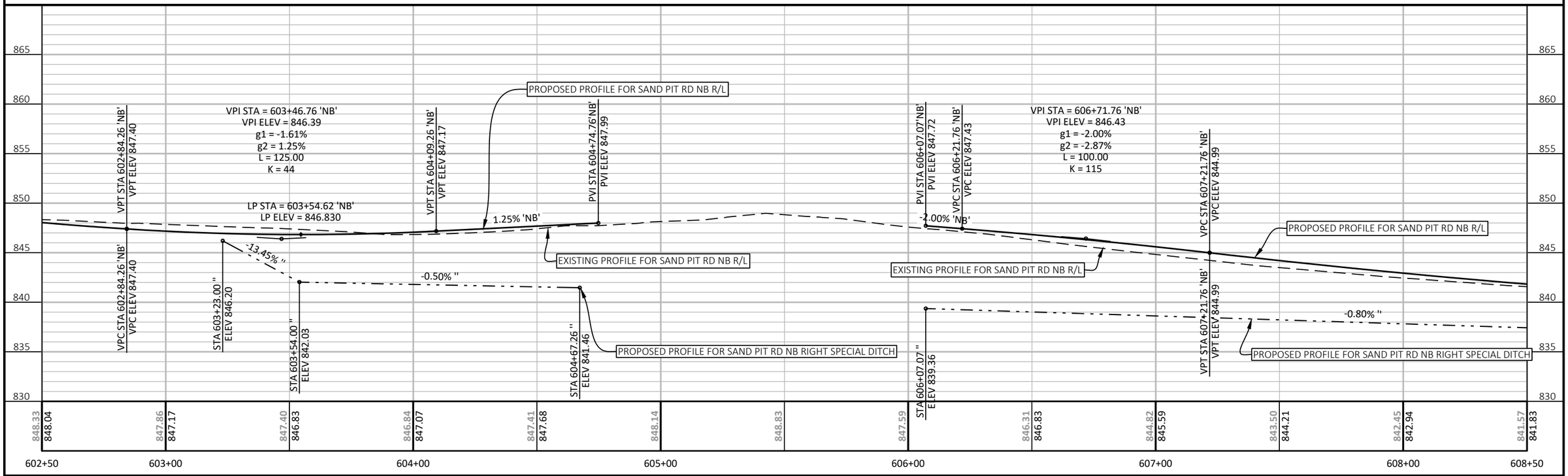
PROJECT NO: 6180-30-73	HWY: STH 21	COUNTY: WINNEBAGO	PLAN AND PROFILE: SAND PIT RD NB	SHEET 386	E

FILE NAME : N:\3001091.00\CIVIL 3D\SHEETSPLAN\61803071-050100-PP.DWG
LAYOUT NAME - 61803071-050171-pp

PLOT DATE : 5/19/2025 12:55 PM PLOT BY : MATT TOMSOVIC PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44





PROJECT NO: 6180-30-73	HWY: STH 21	COUNTY: WINNEBAGO	PLAN AND PROFILE: SAND PIT RD NB	SHEET 387 E

MECHANICAL SERVICES INC

ROSS, HARVE C &
ROSS, RENE M

MATCH LINE STA 608+50

34 LF CPCS 18-INCH
(2) AEW REQD
608+39.2, -43.7' LT, INV:840.10
608+72.9, -42.7' LT, INV: 839.36

R/W

PL

CAUTION

PT: 809'SB'+10.15

PC: 810'S'+18.28

809'SB'

810'SB'

811'SB'

812'SB'

609'NB'

610'NB'

611'NB'

612'NB'

613'NB'

614'NB'

TLE

EP: 812'SB'+85.12

XXXXXXXXXX

SAWING ASPHALT AND
MATCH EXISTING PAVEMENT

LACROSSE RD

SAND PIT RD

EXIST R/W

PT 609'NB'+38.76

TLE

R/W

34 LF CPCS 24-INCH
(2) AEW REQD
608+36.7, 38.0' RT, INV:837.66
608+71.1, 35.3' RT, INV: 837.22

PROPOSED DITCH C/L (TYP)

SLOPE INTERCEPTS (TYP)

END CONSTRUCTION
STA 612'NB'+87.34

REMOVE (1) 18-IN CMCP
STA 609+58'NB' RT

JONMAR INVESTMENTS LLC

5

5

N

608+50.00 609+00.00 610+00.00 611+00.00 612+00.00 613+00.00 614+00.00 614+50.00

840 835 830

VPI STA = 609+71.76 'NB'
VPI ELEV = 837.81
g1 = -2.87%
g2 = 0.27%
L = 500.00
K = 159

EXISTING PROFILE FOR SAND PIT RD NB R/L

PROPOSED PROFILE FOR SAND PIT RD NB R/L

VPT STA 612+21.76 'NB'
VPT ELEV 838.49

PVI STA 612+84.09'NB'
PVI ELEV 838.66

0.27% 'NB'

-0.45% ''

-0.40% ''

-0.40% ''

-0.40% ''

LP STA = 611+78.66 'NB'
LP ELEV = 838.432

STA 609+60.00 ''
ELEV 836.55

STA 609+66.76 ''
ELEV 837.37

PROPOSED PROFILE FOR SAND PIT RD NB RIGHT SPECIAL DITCH

STA 611+00.00 ''
ELEV 835.99

STA 612+50.00 ''
ELEV 836.11

STA 612+84.11 ''
ELEV 835.25

STA 612+84.11 ''
ELEV 835.97

PROPOSED PROFILE FOR SAND PIT RD NB LEFT SPECIAL DITCH

841.57	841.83	840.86	840.87	840.15	840.08	839.56	839.44	839.11	838.95	838.80	838.63	838.44	838.46	838.43	838.45	838.57	838.57	838.68	838.70	838.73	838.47

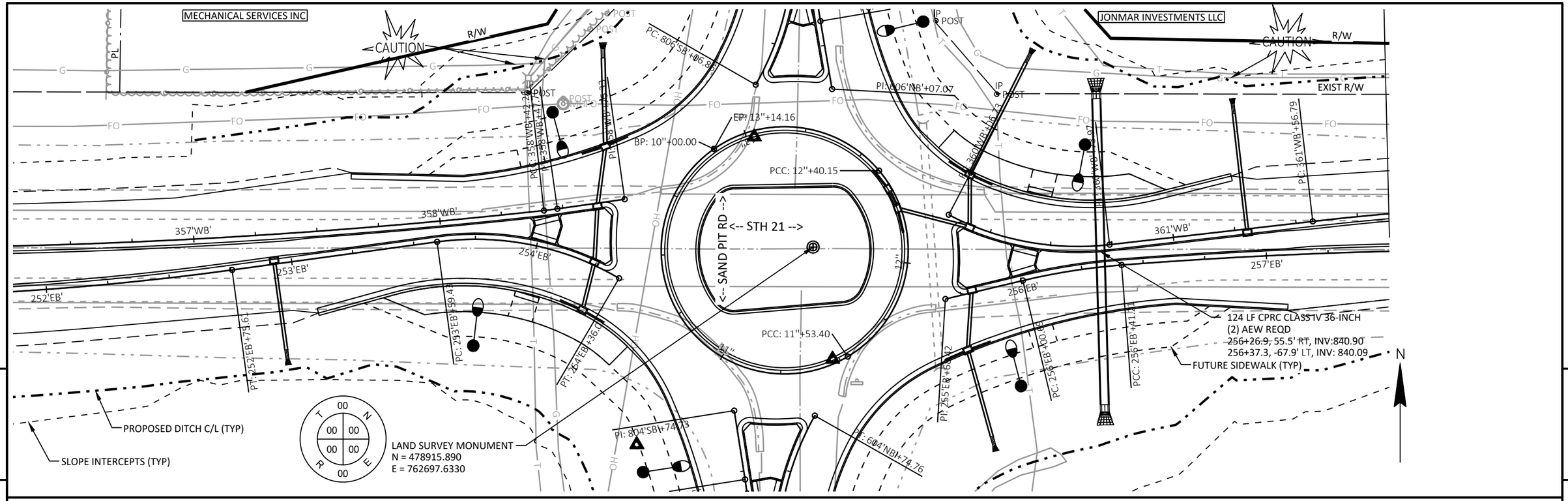
608+50 609+00 610+00 611+00 612+00 613+00 614+00 614+50

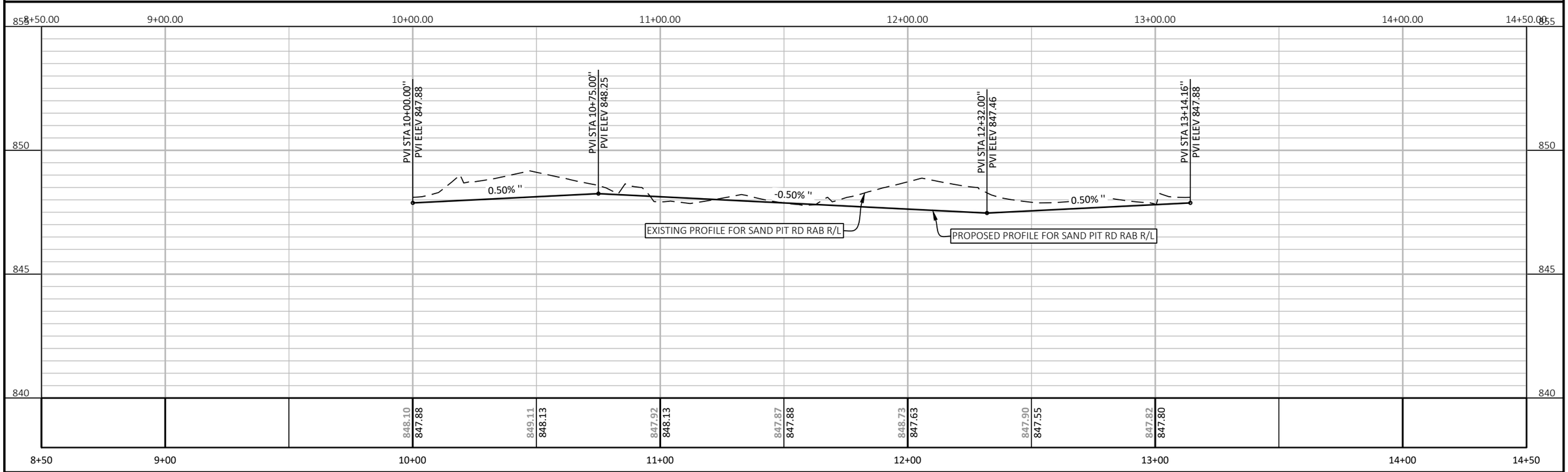
PROJECT NO: 6180-30-73	HWY: STH 21	COUNTY: WINNEBAGO	PLAN AND PROFILE: SAND PIT RD NB	SHEET 388	E

FILE NAME : N:\3001091.00\CIVIL 3D\SHEETSPLAN\61803071-050100-PP.DWG
LAYOUT NAME - 61803071-050173-pp

PLOT DATE : 5/19/2025 12:55 PM PLOT BY : MATT TOMSOVIC PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

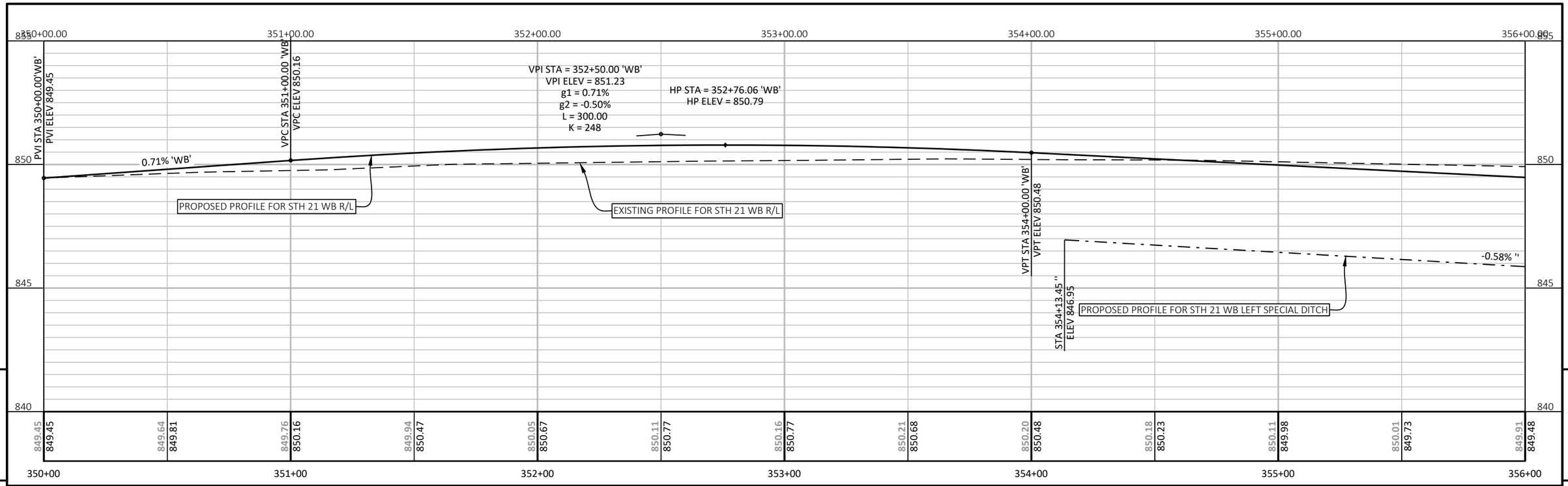




PROJECT NO: 6180-30-73	HWY: STH 21	COUNTY: WINNEBAGO	PLAN AND PROFILE: SAND PIT RD ROUNDABOUT	SHEET 389	E

FILE NAME : N:\3001091.00\CIVIL 3D\SHEETSPLAN\61803071-050100-PP.DWG
LAYOUT NAME - 61803071-050181-pp

PLOT DATE : 5/20/2025 11:05 AM PLOT BY : MATT TOMSOVIC PLOT NAME : PLOT SCALE : 1 IN:40 FT

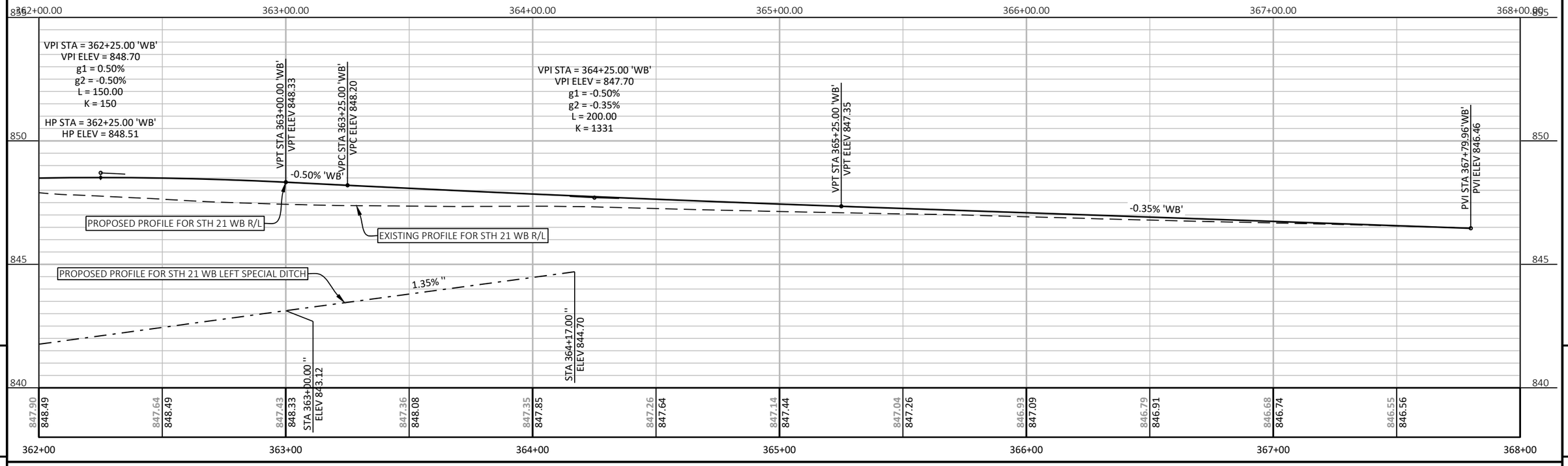


PROJECT NO: 6180-30-73	HWY: STH 21	COUNTY: WINNEBAGO	STH 21 WB RL - SAND PIT RD	SHEET 390	E

FILE NAME : N:\3001091.00\CIVIL 3D\SHEETSPLAN\61803071-050100-PP.DWG
LAYOUT NAME - 61803071-050361-pr

PLOT DATE : 7/25/2025 6:41 AM PLOT BY : ANDY WESTBROOK PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44



5

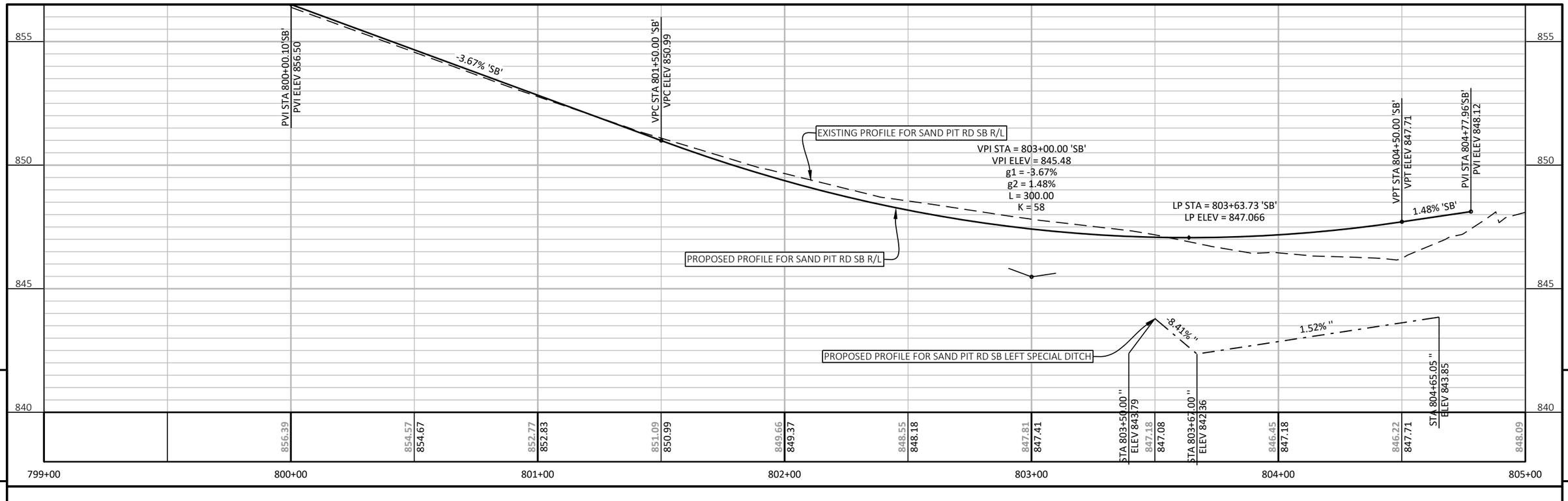
5

PROJECT NO: 6180-30-73	HWY: STH 21	COUNTY: WINNEBAGO	STH 21 WB RL - SAND PIT RD	SHEET 391	E

FILE NAME : N:\3001091.00\CIVIL 3D\SHEETSPLAN\61803071-050100-PP.DWG
LAYOUT NAME - 61803071-050362-pr

PLOT DATE : 7/16/2025 9:02 AM PLOT BY : MATT TOMSOVIC PLOT NAME : PLOT SCALE : 1 IN:40 FT

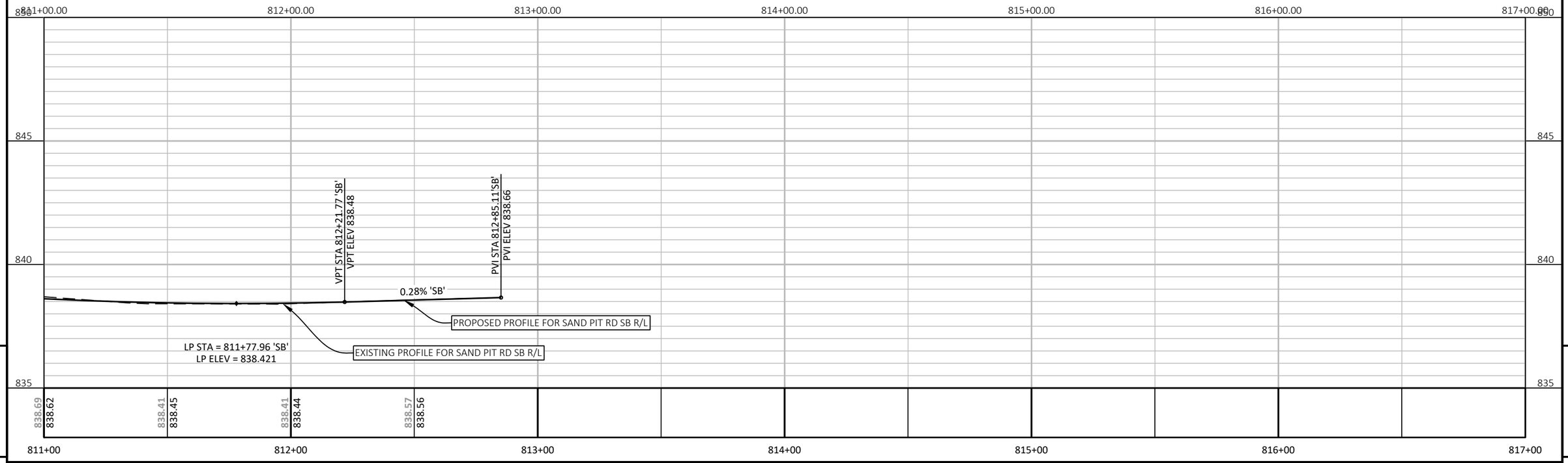
WISDOT/CADDS SHEET 44



PROJECT NO: 6180-30-73	HWY: STH 21	COUNTY: WINNEBAGO	SAND PIT RD - SB RL	SHEET 392	E

FILE NAME : N:\3001091.00\CIVIL 3D\SHEETSPLAN\61803071-050100-PP.DWG
LAYOUT NAME - 61803071-050381-pr

PLOT DATE : 7/16/2025 9:03 AM PLOT BY : MATT TOMSOVIC PLOT NAME : PLOT SCALE : 1 IN:40 FT



5

5

PROJECT NO: 6180-30-73	HWY: STH 21	COUNTY: WINNEBAGO	SAND PIT RD - SB RL	SHEET 393	E

FILE NAME : N:\3001091.00\CIVIL 3D\SHEETSPLAN\61803071-050100-PP.DWG
LAYOUT NAME - 61803071-050382-pr

PLOT DATE : 5/19/2025 12:56 PM PLOT BY : MATT TOMSOVIC PLOT NAME : PLOT SCALE : 1 IN:40 FT

Standard Detail Drawing List

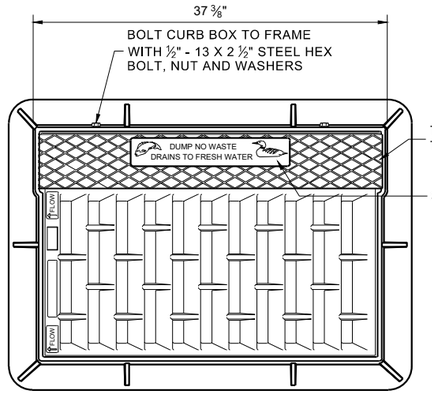
08A05-22A	INLET COVERS TYPE A, H, A-S, H-S & Z
08A05-22B	INLET COVERS TYPE B, B-A, C, MS, MS-A, DW & WM
08A05-22C	INLET COVERS TYPE F, HM, HM-S, S, T, HM-GJ & HM-GJ-S
08A05-22E	INLET COVER TYPE BW, MANHOLE COVERS, TYPE K, J, J-S, L & M
08A08-03	CATCH BASINS 3-FT, 4-FT, 5-FT AND 6-FT DIAMETER
08A09-03	CATCH BASINS 2X3-FT AND 2.5X3-FT
08B09-04	MANHOLES 3-FT, 4-FT, 5-FT, 6-FT, 7-FT, 8-FT, 9-FT, 10-FT DIAMETER
08C06-03	INLETS 3-FT AND 4-FT DIAMETER
08C07-03	INLETS 2X2-FT, 2X2.5-FT, 2X3-FT, 2.5X3-FT & 2X3.5-FT
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
08D05-22A	CURB RAMPS TYPES 1 AND 1-A
08D05-22B	CURB RAMPS TYPES 2 AND 3
08D05-22D	CURB RAMPS TYPE 4B AND 4B1
08D05-22E	CURB RAMPS TYPES 5, 6, 7A, 7B & 8
08D05-22F	CURB RAMPS RADIAL DETECTABLE WARNING FIELD APPLICATIONS
08D05-22G	CURB RAMPS RECTANGULAR AND RADIAL DETECTABLE WARNING PLATES
08D15-05A	EDGEDRAIN OUTLET AND OUTFALL MARKERS
08D15-05B	EDGEDRAIN AND BASE AGGREGATE OPEN GRADED
08D15-05C	EDGEDRAIN AND BASE AGGREGATE OPEN GRADED
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
08F02-01	APRON ENDWALLS FOR PIPE ARCH AND ELLIPTICAL PIPE
08F04-08	JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL
08F07-05	STEEL APRON ENDWALLS FOR CULVERT PIPE AND PIPE ARCH SLOPED SIDE DRAINS
09B02-10	CONDUIT
09B16-03	PULL BOX NON-CONDUCTIVE
09C02-09	CONCRETE BASES, TYPES 1, 2, 5, & 6
09C03-04	TRANSFORMER/PEDESTAL BASES
09D01-05	CABINET SERVICE INSTALLATION (METER BREAKER PEDESTAL)
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
10A01-04	ELECTRICAL HANDHOLE WIRING
11B02-02	CONCRETE MEDIAN NOSE
13A11-04B	CENTERLINE RUMBLE STRIPS - CONCRETE
13C09-17A	CONCRETE PAVEMENT REPAIR AND REPLACEMENT
13C09-17B	CONCRETE PAVEMENT REPAIR AND REPLACEMENT
13C09-17C	CONCRETE PAVEMENT REPAIR AND REPLACEMENT
13C14-07A	BASE PATCHING CONCRETE
13C14-07B	BASE PATCHING CONCRETE
13C14-07C	BASE PATCHING CONCRETE
13C19-03	HMA LONGITUDINAL JOINTS
14B29-01	SAFETY EDGE
14B42-07A	MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL
14B42-07B	MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL
14B42-07C	MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL
14B42-07D	MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL
14B44-04A	MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)
14B44-04B	MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)
14B44-04C	MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)
14B45-05A	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-05B	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-05C	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-05F	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
15A03-02A	FLEXIBLE MARKER POST FOR CULVERT END
15A03-02B	FLEXIBLE MARKER POST FOR CULVERT END
15C02-09A	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C02-09B	BARRICADES AND SIGNS FOR VARIOUS CLOSURES
15C03-05	BARRICADES AND SIGNS FOR SIDEROAD CLOSURES

6

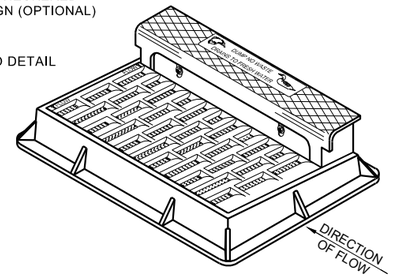
Standard Detail Drawing List

15C04-05	TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45 M.P.H. OR GREATER TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC
15C07-16A	PAVEMENT MARKING SYMBOLS
15C07-16B	PAVEMENT MARKING WORDS
15C07-16C	PAVEMENT MARKING ARROWS
15C08-23A	PERMANENT LONGITUDINAL PAVEMENT MARKINGS
15C08-23B	TEMPORARY LONGITUDINAL PAVEMENT MARKING
15C11-10B	CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS
15C12-09A	TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION
15C12-09B	TRAFFIC CONTROL, LANE CLOSURE WITH AUTOMATED FLAGGER ASSISTANCE DEVICE
15C18-09B	PAVEMENT MARKINGS, MEDIAN ISLAND NOSE
15C19-09A	MOVING PAVEMENT MARKING OPERATION TWO-LANE TWO-WAY ROADWAY
15C22-01	DOTTED EXTENSION FOR ROUNDABOUT
15C33-05	STOP LINE AND CROSSWALK PAVEMENT MARKING
15C35-06A	PAVEMENT MARKING (INTERSECTIONS)
15C36-01	PARKING STALL MARKING
15D21-07A	TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LANE CLOSURE
15D21-07B	TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LANE CLOSURE
15D28-04	TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY
15D30-10A	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-10B	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-10C	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-10D	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-10H	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-10J	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-10K	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D46-01	TRAFFIC CONTROL, ONE - WAY SIGNING
15D50-04A	TRAFFIC CONTROL, ADDED LANE CLOSURE WITHOUT LANE SHIFT
15D50-04B	TRAFFIC CONTROL, ADDED LANE CLOSURE WITH LANE SHIFT

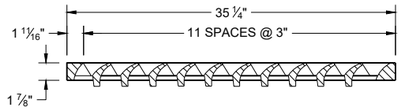
6

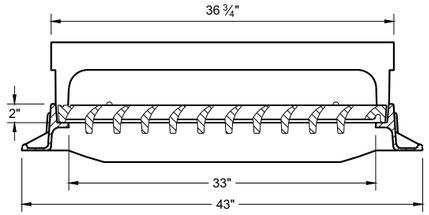


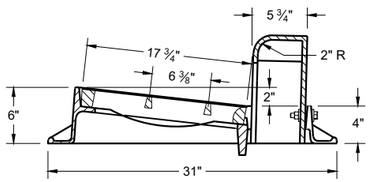
NOTE: EITHER CASTING IS ACCEPTABLE

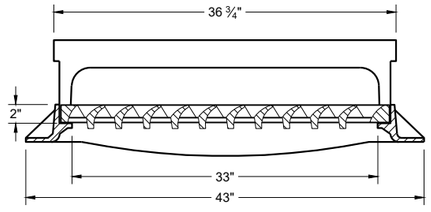


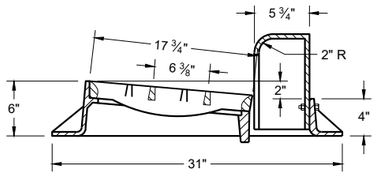
NOTE: CURB BOX HEIGHT ADJUSTABLE 6" - 9"







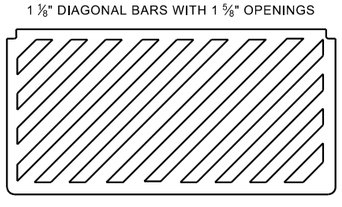




TYPE "H"

NOTE: EITHER CASTING IS ACCEPTABLE

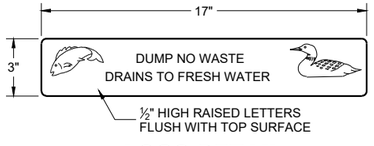
1 ⅛" DIAGONAL BARS WITH 1 ⅝" OPENINGS



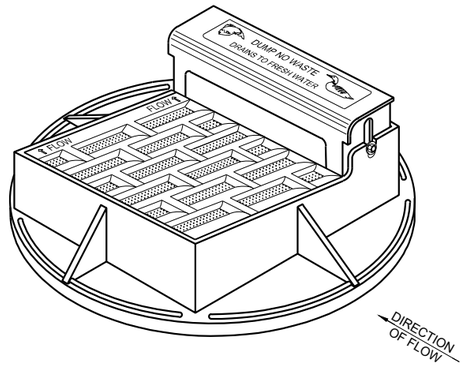
SPECIAL GRATE FOR TYPE "H" COVER

(MEASURES 35" X 17 ¾" X 2")

(NOTED AS TYPE H-S ON DRAINAGE TABLE)

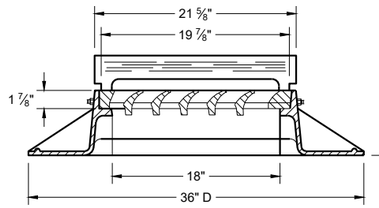


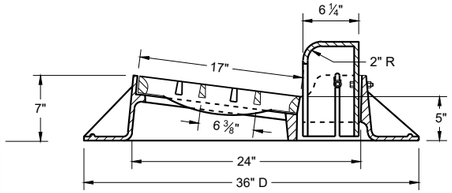
LOGO DETAIL



NOTE: CURB BOX HEIGHT ADJUSTABLE 6" - 9"

NOTE: EITHER CASTING IS ACCEPTABLE





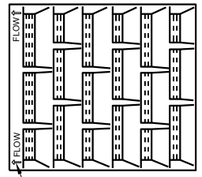
TYPE "A"

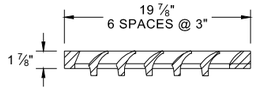
GENERAL NOTES

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

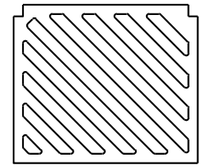
DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR CATCH BASIN, MANHOLE AND INLET COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

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





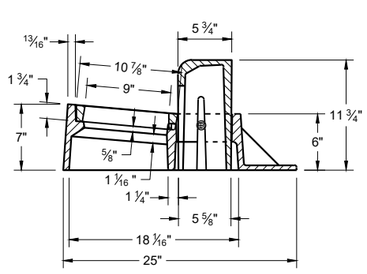
1" DIAGONAL BARS
WITH 1 ½" OPENINGS



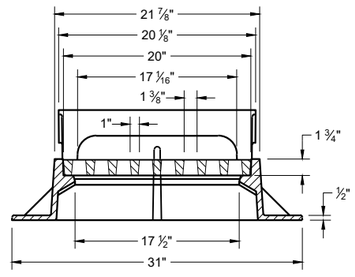
SPECIAL GRATE FOR TYPE "A" COVER

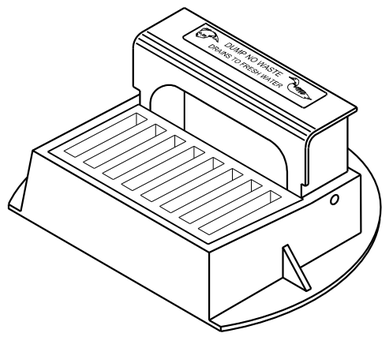
(MEASURES 19 ¾" X 17" X 1 ⅞")

(NOTED AS TYPE A-S ON DRAINAGE TABLE)



TYPE "Z"





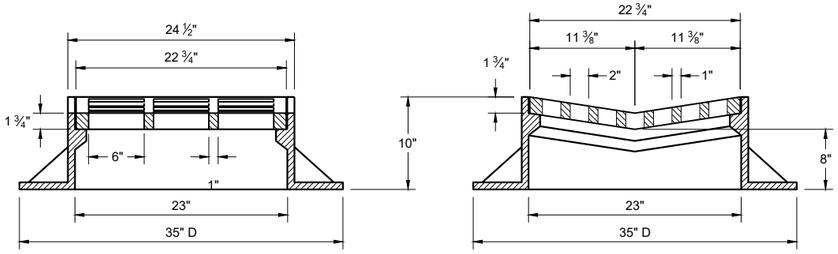
INLET COVERS
TYPES A, H, A-S, H-S AND Z

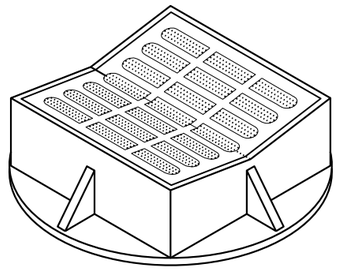
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2025
DATE

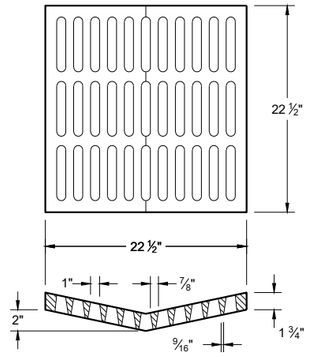
/S/ Rodney Taylor
ROADWAY STANDARDS DEVELOPMENT
UNIT SUPERVISOR

FHWA





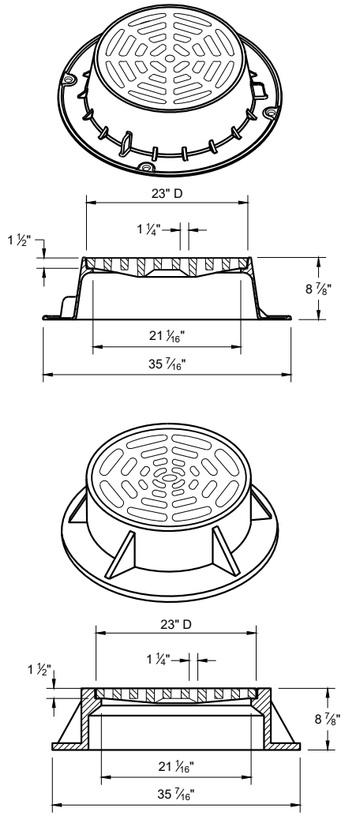
TYPE "B"



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"

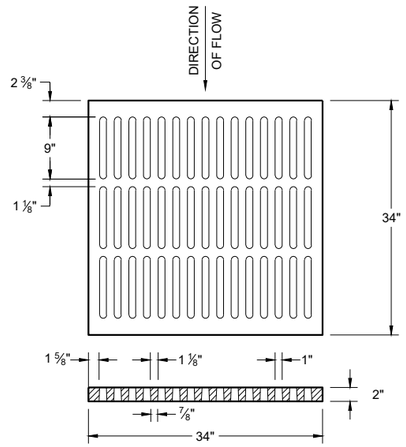
NOTE: EITHER CASTING IS ACCEPTABLE

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.

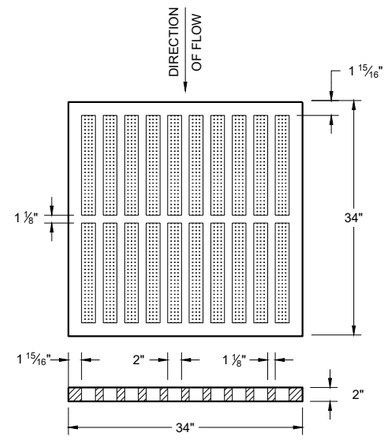
ROUND FRAMES AND COVERS SHALL HAVE CONTINUOUSLY MACHINED BEARING SURFACES TO PREVENT ROCKING AND RATTLING.



ALTERNATIVE TYPE "MS"

USE WHERE PEDESTRIAN OF BICYCLE TRAFFIC IS PERMITTED

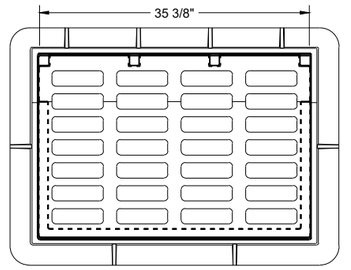
NOTED AS TYPE MS-A ON THE DRAINAGE TABLE

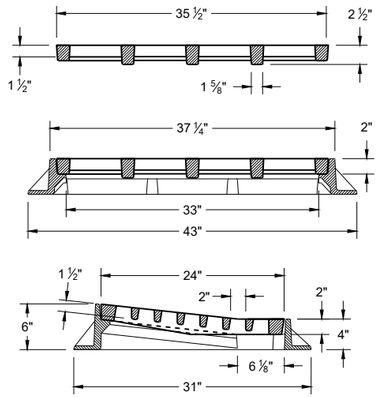


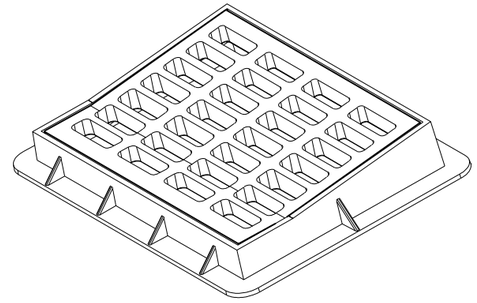
TYPE "MS"

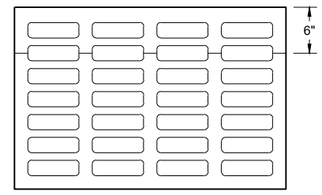
USE ON FREEWAYS AND EXPRESSWAYS

NOTED AS TYPE MS ON THE DRAINAGE TABLE



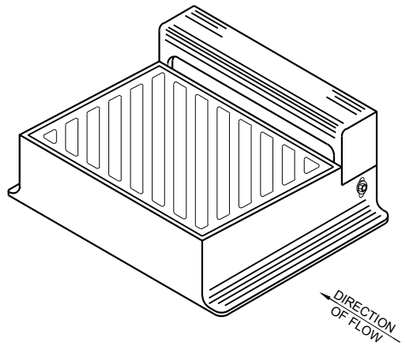




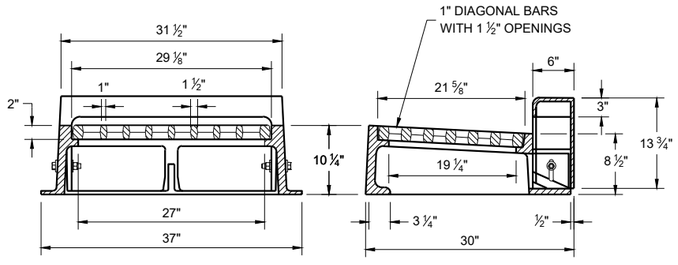


TYPE "DW"

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

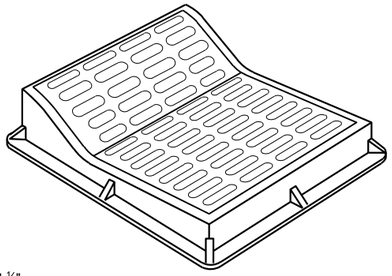
6

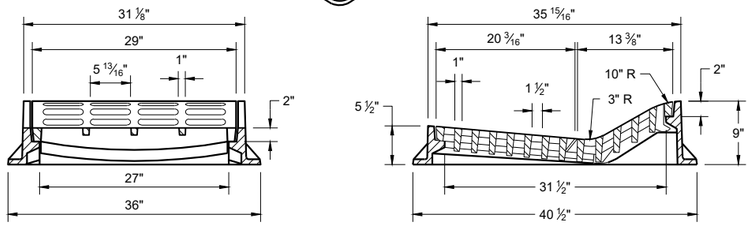
SDD 08A05-22b

GENERAL NOTES

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

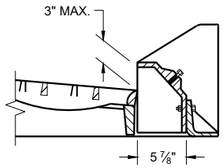
DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR INLET COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.





TYPE "F"

USE WITH TYPES "A" AND "D" CONCRETE CURB AND GUTTER, 36"

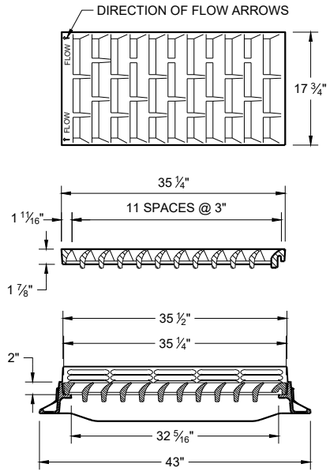


ALTERNATIVE CURB BOX FOR TYPE "HM" COVER

USE WITH TYPES "G" AND "J" CONCRETE CURB AND GUTTER, 30 INCH
NOTED AS TYP "HM-GJ" ON DRAINAGE TABLE

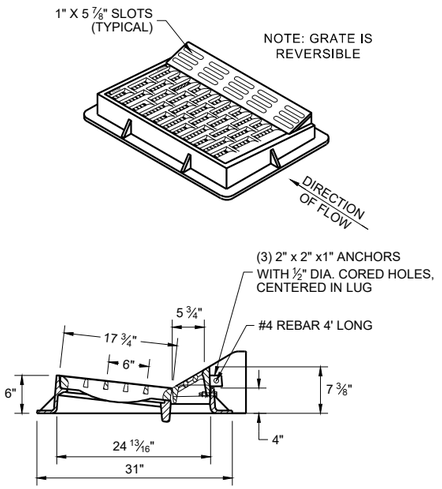
NOTE:
SPECIAL GRATE FOR THE TYPE "H" COVER MAY ALSO BE USED FOR THE TYPE "HM-GJ" COVER.

NOTED AS TYPE HM-GJ-S ON THE DRAINAGE TABLE.



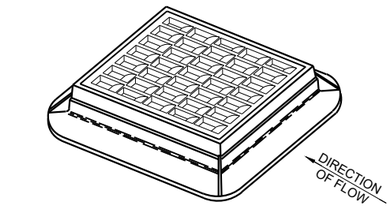
TYPE "HM"

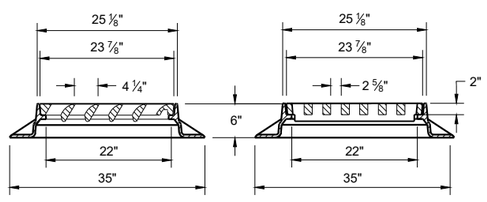
USE WITH TYPES "A" AND "D" CONCRETE CURB AND GUTTER, 36"



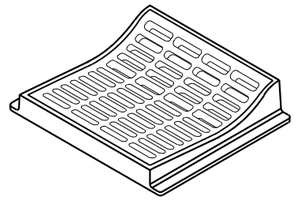
NOTE:
SPECIAL GRATE FOR THE TYPE "H" COVER MAY ALSO BE USED FOR THE TYPE "HM-GJ" COVER.

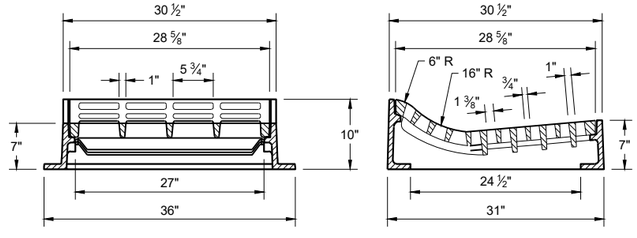
NOTED AS TYPE HM-GJ-S ON THE DRAINAGE TABLE.





TYPE "S"





TYPE "T"

USE WITH TYPES "R" AND "T" CONCRETE CURB AND GUTTER, 36"

INLET COVERS
TYPES F, HM, HM-S, S, T, HM-GJ AND HM-GJ-S

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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

FHWA

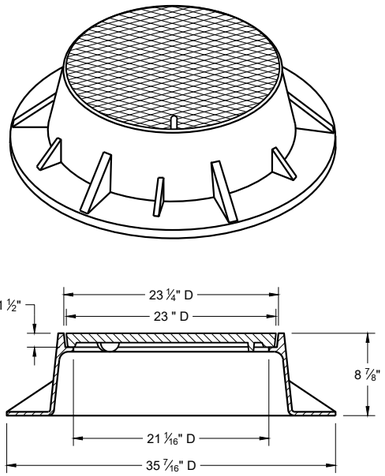
6
SDD 08A05-22c

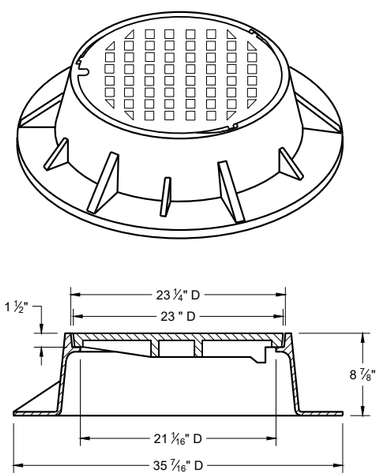
GENERAL NOTES

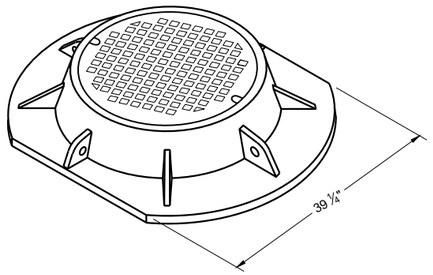
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

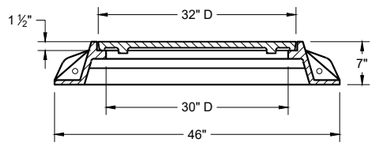
DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR MANHOLE COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

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

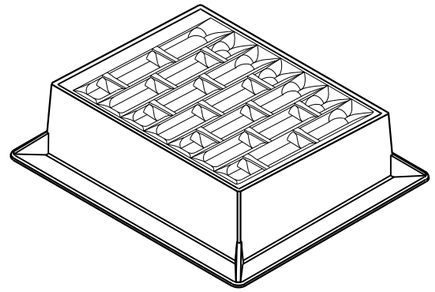


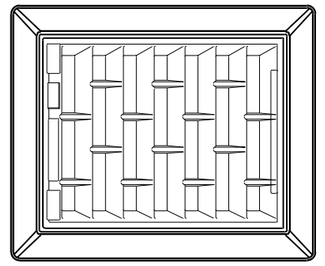


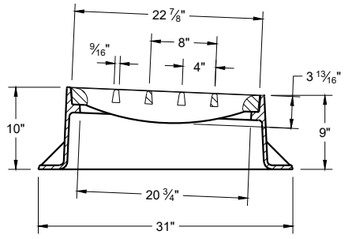


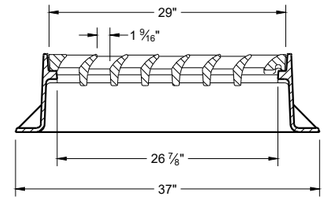


TYPE "K"

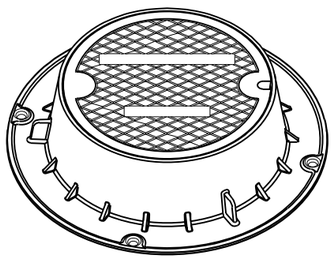


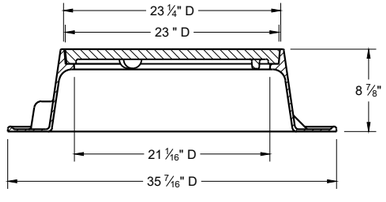






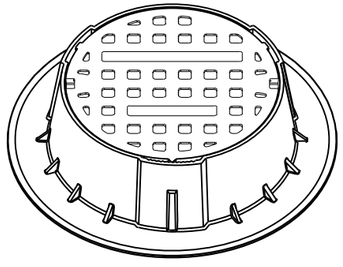
INLET COVER TYPE "BW"

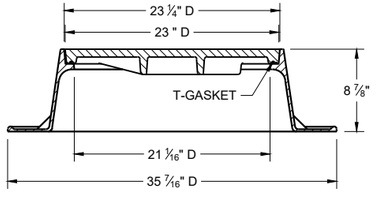




TYPE "J"

NOTE: EITHER CASTING IS ACCEPTABLE

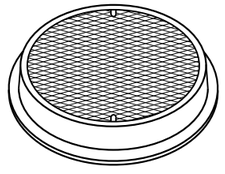


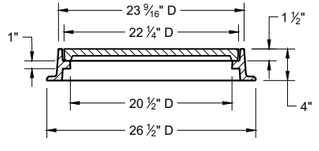


TYPE "J" SPECIAL

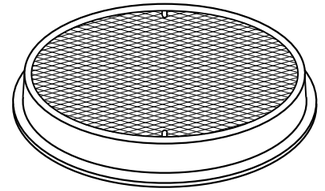
TYPE "B" NON-ROCKING SELF-SEAL LID
(NOTED AS TYPE J-S ON THE DRAINAGE TABLE)

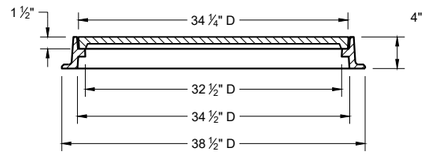
NOTE: EITHER CASTING IS ACCEPTABLE





TYPE "L"





TYPE "M"

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

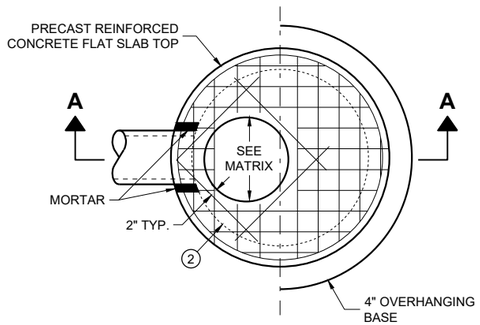
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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

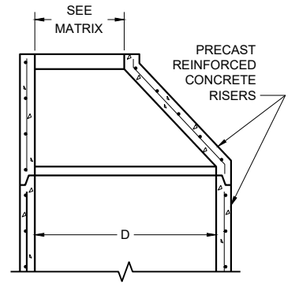
FHWA

6

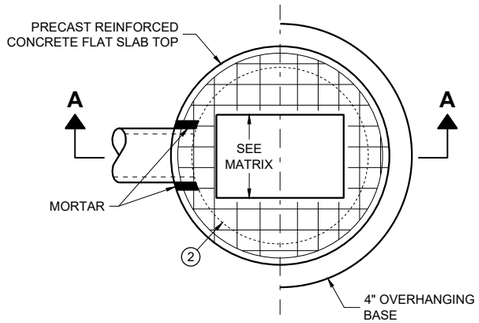
SDD 08A05-22e



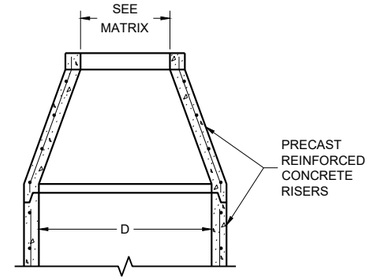
PLAN VIEW CIRCULAR OPENING



OPTIONAL PRECAST REINFORCED CONCRETE ECCENTRIC TOP



PLAN VIEW RECTANGULAR OPENING



OPTIONAL PRECAST REINFORCED CONCRETE CONCENTRIC TOP

COVER MATRIX

CATCH BASIN SIZE	INLET COVER TYPE	ALL A'S	ALL B'S	BW	C	F	ALL H'S	S	T	V V-B	VV-B	WM	Z
	OPENING SIZE (FT.)												
3-FT	2 X 2	X	X					X		X			
	2 DIA.				X								X
4-FT TO 6-FT	2 X 2	X	X					X		X			
	2 X 2.5			X				X	X	X		X	
	2 DIA.				X								X
	2 X 3						X						
	2.5 X 3					X							
	2 X 3.5*										X*		

* REQUIRES 5-FT DIAMETER OR LARGER STRUCTURE

PIPE MATRIX

CATCH BASIN SIZE	MAXIMUM INSIDE PIPE DIAMETER FOR TWO PIPES	
	180° SEPARATION (IN)	90° SEPARATION (IN)
3-FT	15	12
4-FT	24	18
5-FT	36	24
6-FT	42	30

CATCH BASINS 3-FT, 4-FT, 5-FT AND 6-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 CATCH BASIN UNITS REQUIRED FOR THE PROJECT UNTIL A LIST OF SIZES IS FURNISHED BY THE ENGINEER.

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

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

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

PRECAST REINFORCED CONCRETE CONE TOPS (ECCENTRIC OR CONCENTRIC) OR PRECAST REINFORCED CONCRETE FLAT SLAB TOPS MAY BE USED ON CONCRETE BLOCK STRUCTURES.

ECCENTRIC CONE TOPS MAY BE USED ON ALL STRUCTURES. CONCENTRIC CONE TOPS SHALL BE USE ONLY ON STRUCTURES 5 FEET OR LESS IN DEPTH UNLESS OTHERWISE DIRECTED BY THE ENGINEER.

STEPS MEETING AASHTO M199 AND THE FOLLOWING REQUIREMENTS SHALL BE INSTALLED IN ALL STRUCTURES OVER 5 FEET IN DEPTH: 16 INCH C-C MAXIMUM SPACING; PROJECT A MINIMUM CLEAR DISTANCE OF 4 INCHES FROM THE WALL AT THE POINT OF EMBEDMENT; MINIMUM LENGTH OF 10 INCHES; MINIMUM WALL EMBEDMENT OF 3 INCHES. FERROUS METAL STEPS NOT PAINTED OR TREATED TO RESIST CORROSION SHALL HAVE A MINIMUM CROSS SECTIONAL DIMENSION OF 1 INCH.

STEPS OF APPROVED POLYPROPYLENE PLASTIC COATED REINFORCEMENT BAR ARE ACCEPTABLE. REINFORCING BAR MUST BE A MINIMUM OF ½ INCH AND MEET THE REQUIREMENTS OF ASTM A615.

CERTIFICATION SHALL BE PROVIDED THAT INSTALLED STEPS WHEN TESTED IN ACCORDANCE WITH SECTION 10 OF AASHTO T280 CAN WITHSTAND A VERTICAL LOAD OF 800 LBS. AND A HORIZONTAL LOAD OF 400 LBS.

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

ALL PRECAST 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.

CONCRETE BLOCK WILL NOT BE PERMITTED FOR STRUCTURES GREATER THAN 4 FEET IN DIAMETER.

4" OVERHANGING BASES ARE REQUIRED FOR ALL CONCRETE BLOCK INSTALLATIONS. 4" OVERHANG IS REQUIRED WHEN SEPARATE PRECAST BASE IS PROVIDED. OVERHANG IS NOT REQUIRED ON PRECAST STRUCTURES WITH AN INTEGRAL OR MONOLITHIC BASE.

FOR ADDITIONAL CONFIGURATIONS, MAINTAIN A MINIMUM OF 12 INCHES AS MEASURED FROM THE INSIDE OF THE STRUCTURE WALL BETWEEN THE OUTSIDE PIPE WALLS OF ADJACENT PIPES. SEE DETAIL "D".

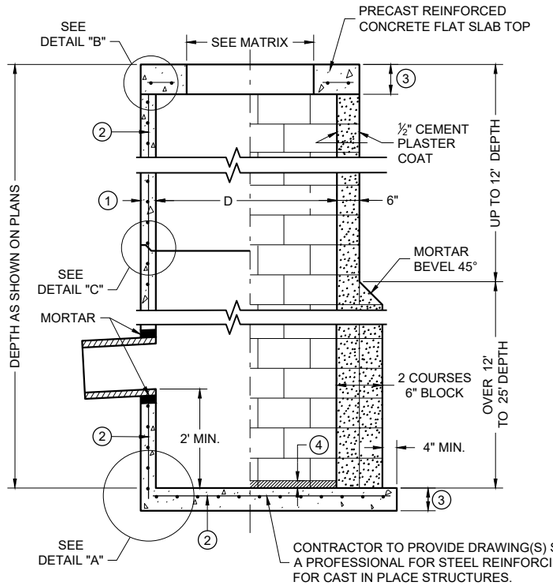
(1) MINIMUM WALL THICKNESS SHALL BE 4 INCHES FOR 3-FT, 5 INCHES FOR 4-FT, 6 INCHES FOR 5-FT AND 7 INCHES FOR 6-FT DIAMETER PRECAST CATCH BASINS.

(2) FOR PRECAST CATCH BASINS AND REINFORCED CONCRETE BASES PROVIDE REINFORCING STEEL IN ACCORDANCE TO AASHTO M199.

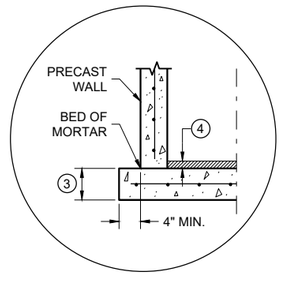
(3) PRECAST FLAT SLAB TOPS AND BASES WITH A DIAMETER OF 48" AND LESS SHALL HAVE A MINIMUM THICKNESS OF 6". PRECAST FLAT SLAB TOPS AND BASES WITH A DIAMETER LARGER THAN 48" SHALL HAVE A MINIMUM THICKNESS OF 8".

(4) 1" CONCRETE KEY POURED AFTER INSTALLATION. 2' SUMP MEASURED FROM TOP OF KEY.

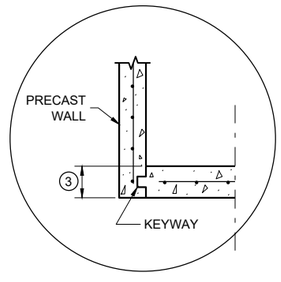
(5) JOINTS TO BE SEALED WITH A BUTYL RUBBER SEAL PER SEALANT MANUFACTURERS RECOMMENDATIONS CONFORMING TO ASTM C 990 OR RUBBER GASKETS CONFROMING TO ASTM C443.



SECTION A - A



SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

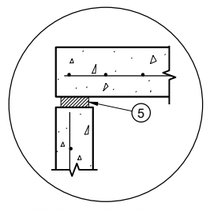


PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE OPTION

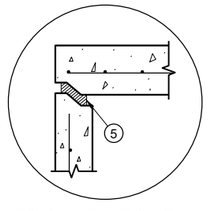
DETAIL "A"

PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE

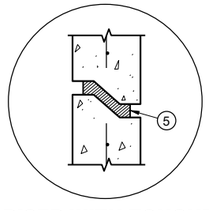
CONCRETE BLOCK WITH CAST IN PLACE OR PRECAST REINFORCED CONCRETE BASE (2)



TOP WITH PLAIN END JOINT

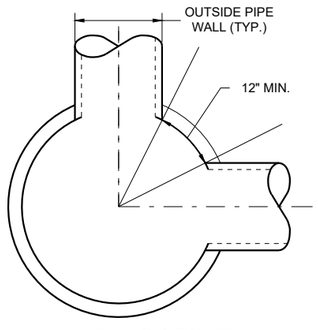


TOP WITH TONGUE AND GROOVE JOINT



RISER WITH TONGUE AND GROOVE JOINT

DETAIL "B" **DETAIL "C"**



MINIMUM HORIZONTAL PIPE SEPARATION

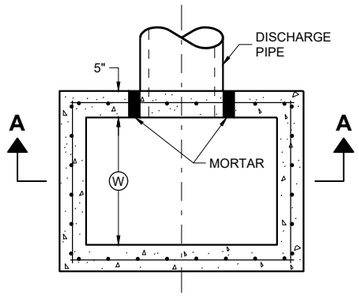
DETAIL "D"

CATCH BASINS, 3-FT. 4-FT., 5 FT., AND 6-FT. DIAMETER

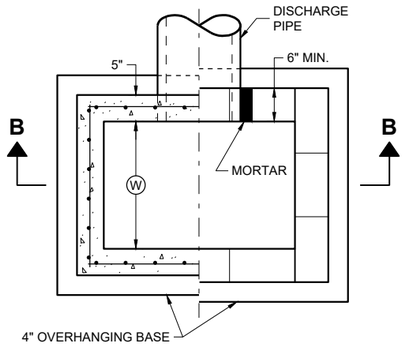
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
December 2023 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR
FHWA

6
SDD 08A08-03



PLAN VIEW



PLAN VIEW

GENERAL NOTES

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

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

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

ALL PRECAST CATCH BASIN 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 CATCH BASINS 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.

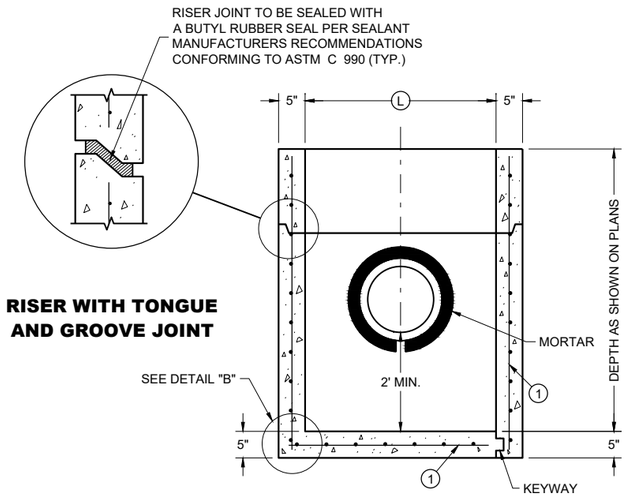
(3) 1" CONCRETE KEY POURED AFTER INSTALLATION. 2' SUMP MEASURED FROM TOP OF KEY.

CATCH BASIN COVER MATRIX

CATCH BASIN SIZE	WIDTH (W) (FT.)	LENGTH (L) (FT.)	INLET COVER TYPE	
			F	ALL H'S
2 X 3-FT	2	3		X
2.5 X 3-FT	2.5	3	X	

PIPE MATRIX

CATCH BASIN SIZE	MAXIMUM INSIDE PIPE DIAMETER (IN)	
	WIDTH (W)(IN)	LENGTH (L)(IN)
2 X 3-FT	12	24
2.5 X 3-FT	18	24

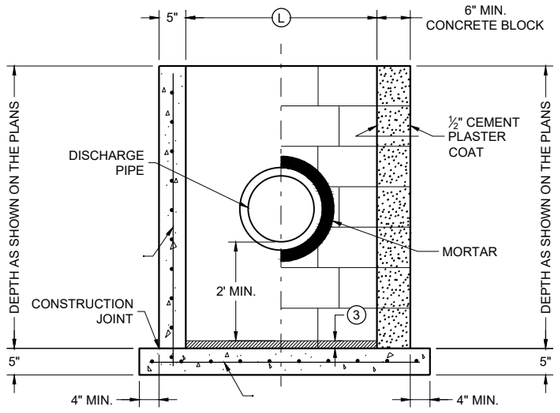


RISER WITH TONGUE AND GROOVE JOINT

PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE

PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE

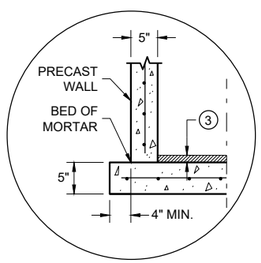
SECTION A - A



CAST IN PLACE REINFORCED CONCRETE

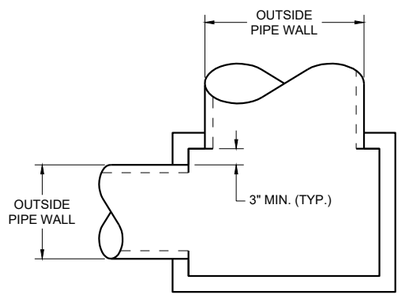
CONCRETE BLOCK ON CAST IN PLACE OR PRECAST REINFORCED CONCRETE BASE (1)

SECTION B - B



SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

DETAIL "B"



DETAIL "A"

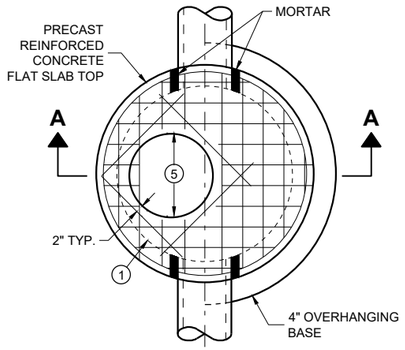
CATCH BASINS 2X3-FT AND 2.5X3-FT

CATCH BASINS
2 X 3-FT AND 2.5 X 3-FT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

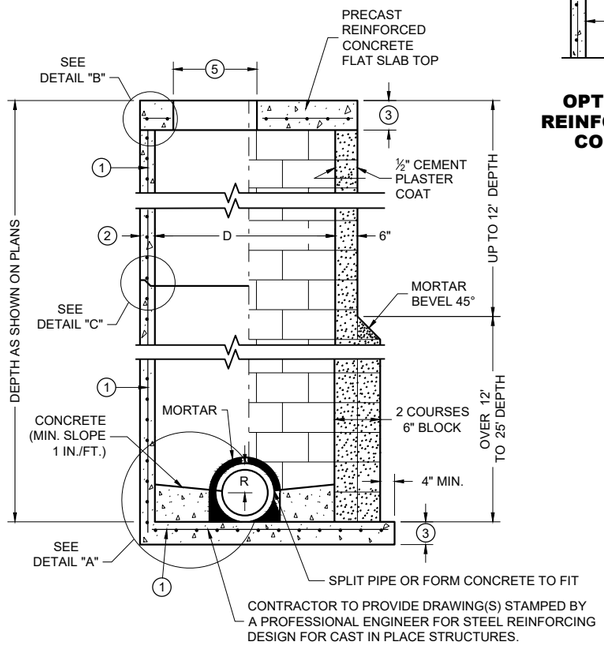
APPROVED
December 2023 — DATE
/S/ RODNEY TAYLOR — ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR

FHWA



PLAN VIEW

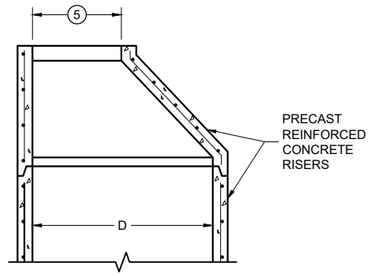
CIRCULAR OPENING



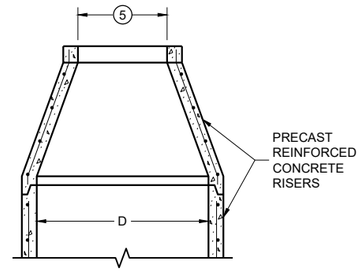
SECTION A - A

PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE

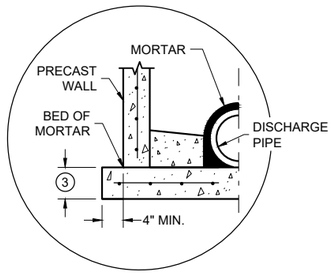
CONCRETE BLOCK WITH CAST IN PLACE OR PRECAST REINFORCED CONCRETE BASE (1)



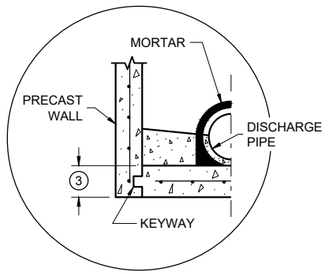
OPTIONAL PRECAST REINFORCED CONCRETE ECCENTRIC TOP



OPTIONAL PRECAST REINFORCED CONCRETE CONCENTRIC TOP

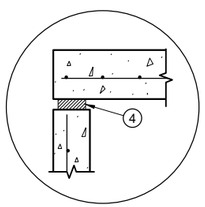


SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

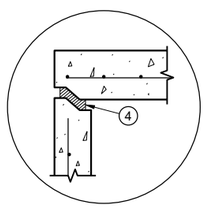


PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE OPTION

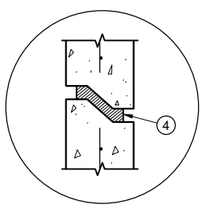
DETAIL "A"



TOP WITH PLAIN END JOINT



TOP WITH TONGUE AND GROOVE JOINT



RISER WITH TONGUE AND GROOVE JOINT

DETAIL "B"

DETAIL "C"

MANHOLE COVER OPENING MATRIX

OPENING SIZE (FT.) (5) \ MANHOLE COVER TYPE	C	ALL J'S	K	L	M
2 DIA.	X	X		X	
3 DIA.			X		X

PIPE MATRIX

MANHOLE SIZE (DIA.)	MAXIMUM INSIDE PIPE DIAMETER FOR TWO PIPES		MINIMUM WALL THICKNESS (IN)	MINIMUM PRECAST FLAT SLAB TOP AND BASE THICKNESS
	180° SEPARATION (IN)	90° SEPARATION (IN)		
3-FT	15	12	4	6
4-FT	24	18	4	6
5-FT	36	24	5	8
6-FT	42	36	6	8
7-FT	48	36/42 *	7	8
8-FT	60	42	8	8
9-FT	66	54	9	10
10-FT	72	60	10	10

*A 36" PIPE AND A 42" PIPE CAN BE PLACED WITHIN 90 DEGREES. SEE MINIMUM HORIZONTAL PIPE SEPARATION DETAIL.

GENERAL NOTES

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

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

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

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

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

PRECAST REINFORCED CONCRETE CONE TOPS (ECCENTRIC OR CONCENTRIC) OR PRECAST REINFORCED CONCRETE FLAT SLAB TOPS MAY BE USED ON CONCRETE BLOCK STRUCTURES.

ECCENTRIC CONE TOPS MAY BE USED ON ALL STRUCTURES. CONCENTRIC CONE TOPS SHALL BE USED ONLY ON STRUCTURES 5 FEET OR LESS IN DEPTH UNLESS OTHERWISE DIRECTED BY THE ENGINEER.

STEPS MEETING AASHTO M199 AND THE FOLLOWING REQUIREMENTS SHALL BE INSTALLED IN ALL STRUCTURES OVER 5 FEET IN DEPTH: 16 INCH C-C MAXIMUM SPACING; PROJECT A MINIMUM CLEAR DISTANCE OF 4 INCHES FROM THE WALL AT THE POINT OF EMBEDMENT; MINIMUM LENGTH OF 10 INCHES; MINIMUM WALL EMBEDMENT OF 3 INCHES. FERROUS METAL STEPS NOT PAINTED OR TREATED TO RESIST CORROSION SHALL HAVE A MINIMUM CROSS SECTIONAL IMENSION OF 1 INCH.

STEPS OF APPROVED POLYPROPYLENE PLASTIC COATED REINFORCEMENT BAR ARE ACCEPTABLE. REINFORCING BAR MUST BE A MINIMUM OF ½ INCH AND MEET THE REQUIREMENTS OF ASTM A615.

CERTIFICATION SHALL BE PROVIDED THAT INSTALLED STEPS WHEN TESTED IN ACCORDANCE WITH SECTION 10 OF AASHTO T280 CAN WITHSTAND A VERTICAL LOAD OF 800 LBS. AND A HORIZONTAL LOAD OF 400 LBS.

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

ALL PRECAST MANHOLE UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF AASHTO DESIGNATION M199.

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

CONCRETE BLOCK WILL NOT BE PERMITTED FOR STRUCTURES GREATER THAN 4 FEET IN DIAMETER.

4" OVERHANGING BASES ARE REQUIRED FOR ALL CONCRETE BLOCK INSTALLATIONS. 4" OVERHANG IS REQUIRED WHEN SEPARATE PRECAST BASE IS PROVIDED. OVERHANG IS NOT REQUIRED ON PRECAST STRUCTURES WITH AN INTEGRAL OR MONOLITHIC BASE.

FOR ADDITIONAL CONFIGURATIONS, MAINTAIN A MINIMUM OF 12 INCHES AS MEASURED FROM THE INSIDE OF THE STRUCTURE WALL BETWEEN THE OUTSIDE PIPE WALLS OF ADJACENT PIPES. SEE DETAIL "D".

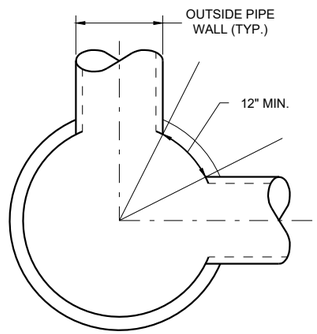
(1) FOR PRECAST MANHOLES AND REINFORCED CONCRETE BASES PROVIDE REINFORCING STEEL IN ACCORDANCE TO AASHTO M199.

(2) SEE PIPE MATRIX TABLE FOR MINIMUM WALL THICKNESS FOR PRECAST MANHOLES

(3) SEE PIPE MATRIX TABLE FOR MINIMUM THICKNESS OF PRECAST FLAT SLAB TOPS AND BASES.

(4) JOINTS TO BE SEALED WITH A BUTYL RUBBER SEAL PER SEALANT MANUFACTURERS RECOMMENDATIONS CONFORMING TO ASTM C 990 OR RUBBER GASKETS CONFORMING TO ASTM C443.

(5) SEE MANHOLE COVER OPENING MATRIX.



MINIMUM HORIZONTAL PIPE SEPARATION

DETAIL "D"

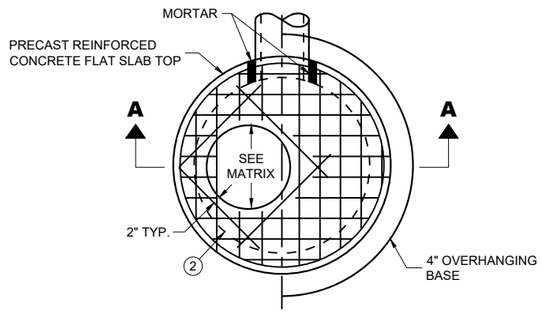
MANHOLES, 3-FT, 4-FT 5-FT, 6-FT, 7-FT, 8-FT, 9-FT AND 10-FT DIAMETER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

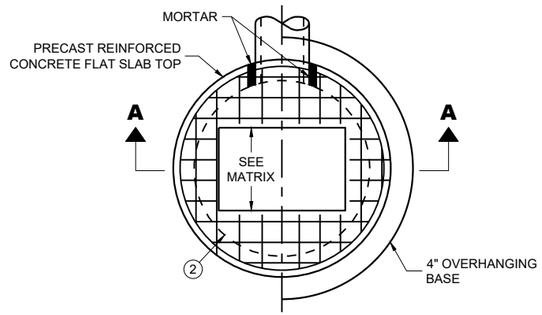
APPROVED
December 2023 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR

FHWA

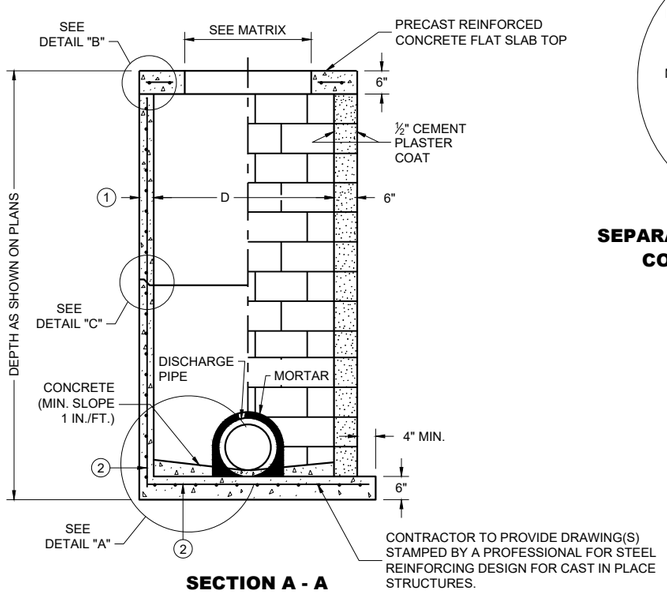
MANHOLES 3-FT, 4-FT, 5-FT, 6-FT, 7-FT, 8-FT, 9-FT AND 10-FT DIAMETER



PLAN VIEW CIRCULAR OPENING



PLAN VIEW RECTANGULAR OPENING



SECTION A - A

PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE

CONCRETE BLOCK WITH CAST IN PLACE OR PRECAST REINFORCED CONCRETE BASE (2)

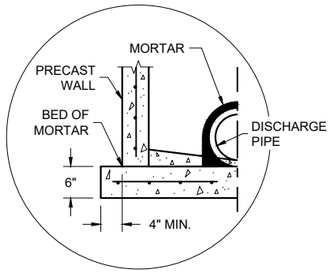
CIRCULAR INLETS WITH FLAT TOP

CATCH BASIN COVER OPENING MATRIX

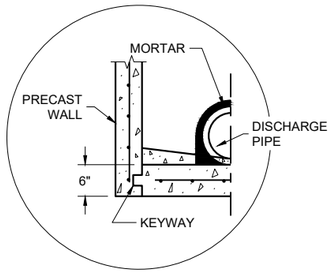
INLET SIZE	INLET COVER TYPE	ALL A'S	ALL B'S	BW	C	F	ALL H'S	S	T	V	WM	Z
	OPENING SIZE (FT.)											
3-FT	2 DIA.				X							X
	2 X 2	X	X					X		X		
4-FT	2 DIA.				X							X
	2 X 2	X	X					X		X		
	2 X 2.5			X				X	X	X	X	
	2 X 3						X					
	2.5 X 3					X						

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

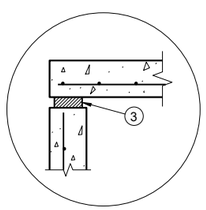


SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

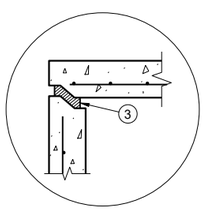


PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE OPTION

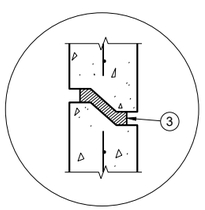
DETAIL "A"



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.

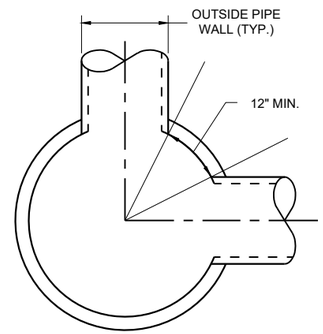
4" OVERHANGING BASES ARE REQUIRED FOR ALL CONCRETE BLOCK INSTALLATIONS. 4" OVERHANG IS REQUIRED WHEN SEPARATE PRECAST BASE IS PROVIDED. OVERHANG IS NOT REQUIRED ON PRECAST STRUCTURES WITH AN INTEGRAL OR MONOLITHIC BASE.

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"

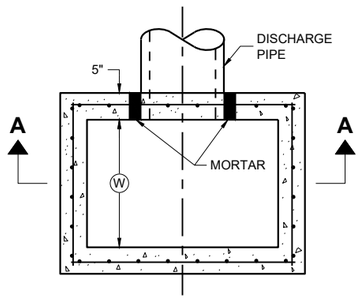
INLETS 3-FT AND 4-FT DIAMETER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

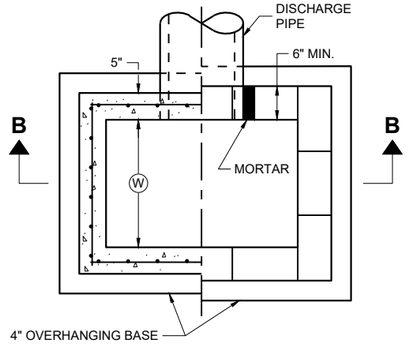
APPROVED
December 2023 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR

FHWA

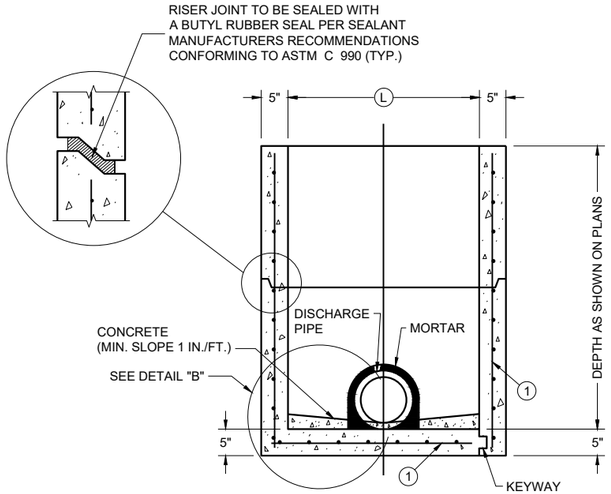
6
SDD 08C06-03



PLAN VIEW



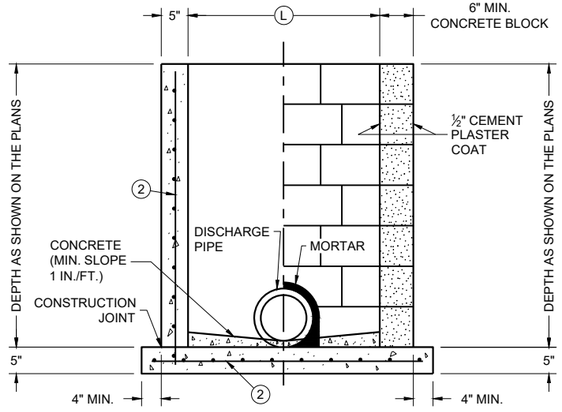
PLAN VIEW



PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE

PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE

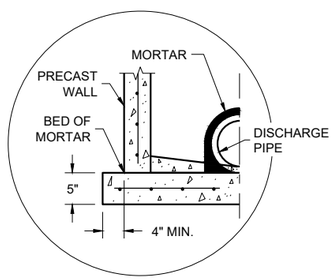
SECTION A - A



CAST IN PLACE REINFORCED CONCRETE

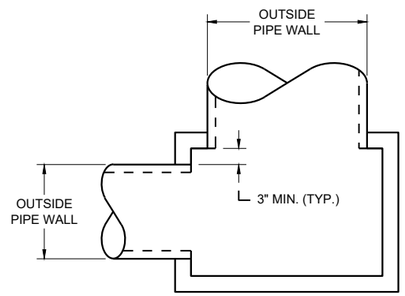
CONCRETE BLOCK WITH CAST IN PLACE OR PRECAST REINFORCED CONCRETE BASE (1)

SECTION B - B



SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

DETAIL "B"



DETAIL "A"

GENERAL NOTES

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

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

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

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

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

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

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

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

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

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

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

CATCH BASIN COVER MATRIX

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

PIPE MATRIX

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

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

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

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
December 2023
DATE

/S/ Rodney Taylor
ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR

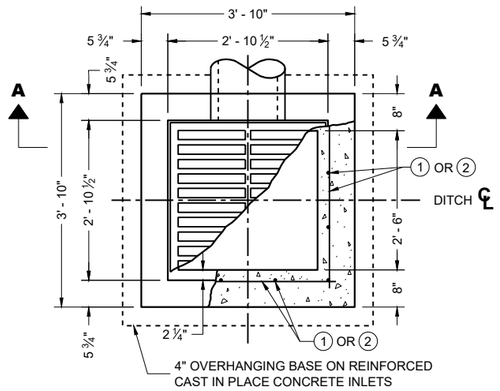
FHWA

6

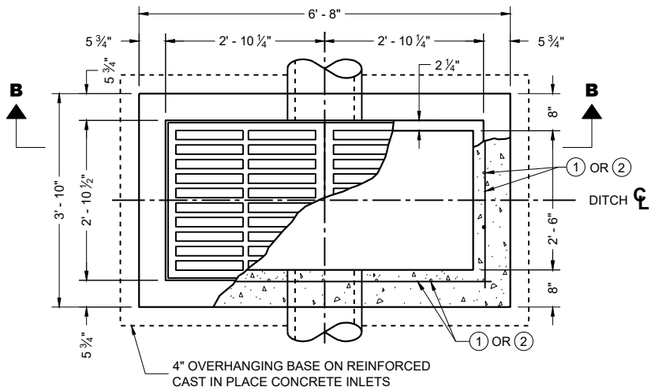
SDD 08C07-03

6

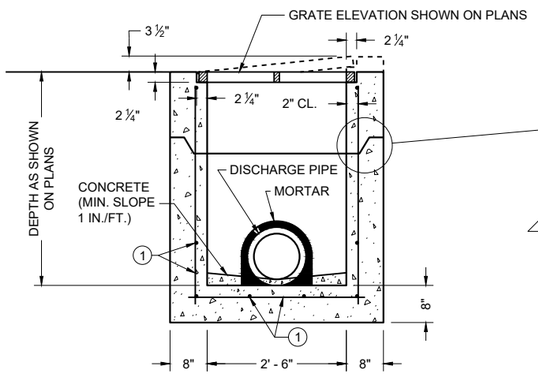
SDD 08C07-03



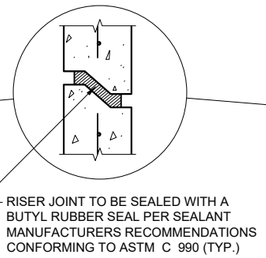
PLAN VIEW

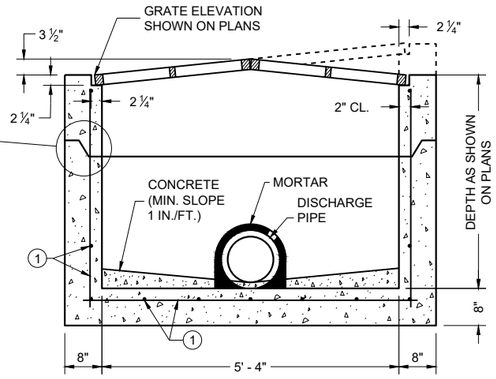


PLAN VIEW

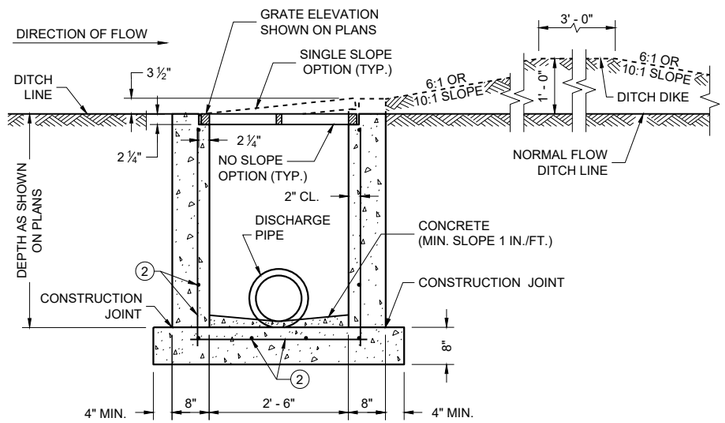


PRECAST REINFORCED CONCRETE SECTION A - A



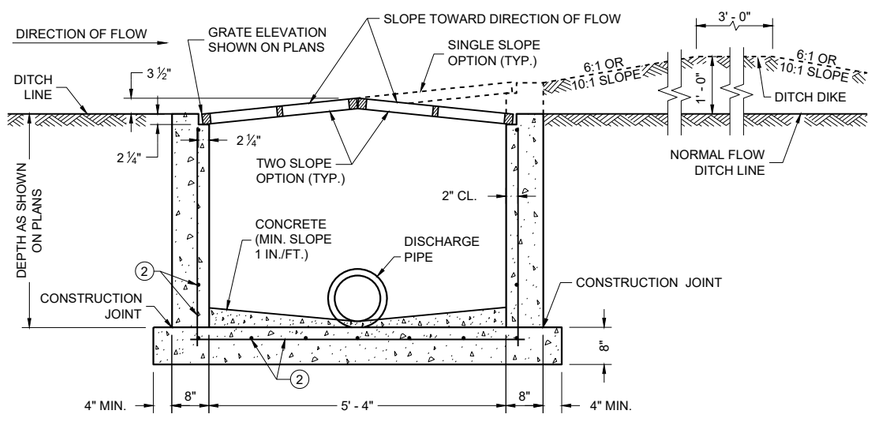


PRECAST REINFORCED CONCRETE SECTION B - B



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

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

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

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR 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.

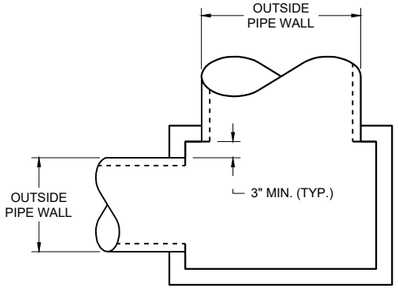
ALL BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2 INCHES CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

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

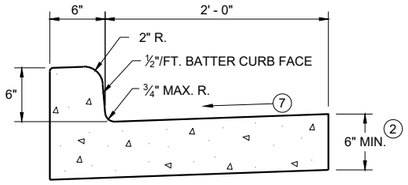
FHWA

6

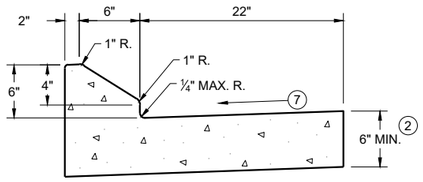
SDD 08C08-03

6

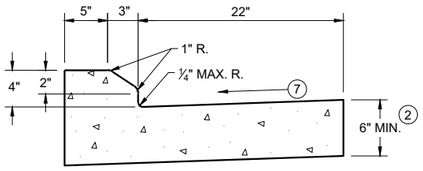
SDD 08C08-03



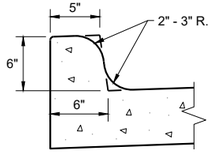
TYPES A (1) & D



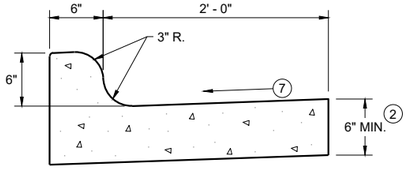
6" SLOPED CURB TYPES G (1) & J



4" SLOPED CURB TYPES G (1) & J

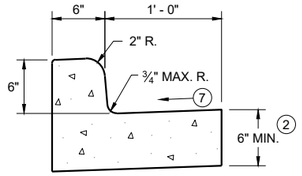


TYPES K (1) & L
(OPTIONAL CURB SHAPE)



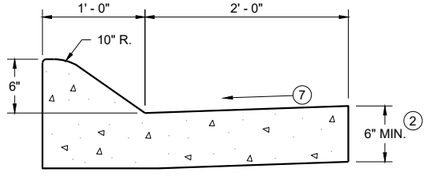
TYPES K (1) & L

CONCRETE CURB AND GUTTER 30"

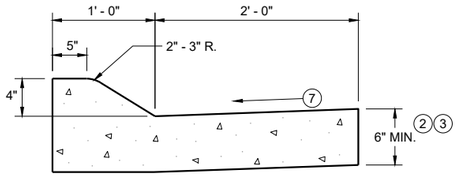


TYPES A (1) & D

CONCRETE CURB AND GUTTER 18"

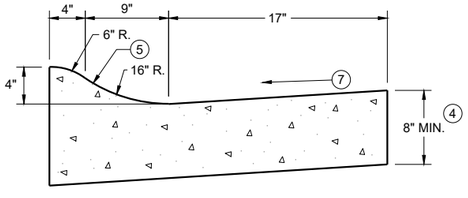


6" SLOPED CURB TYPES A (1) & D



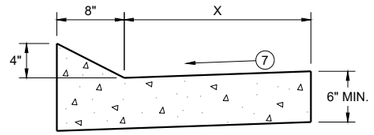
4" SLOPED CURB TYPES A (1) & D

CONCRETE CURB AND GUTTER 36"



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

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

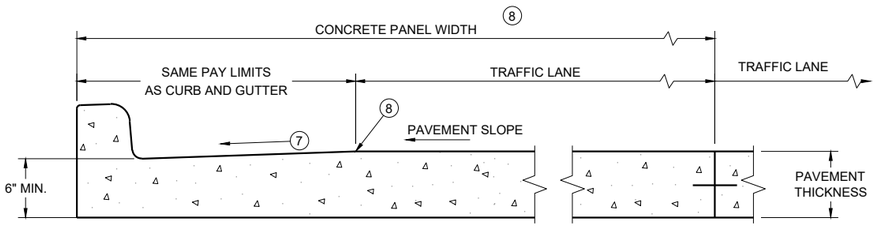


TYPES TBT & TBTT (1)

CONCRETE CURB AND GUTTER

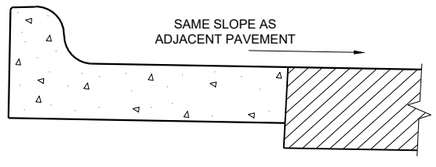
PAVEMENT THICKNESS AND MAXIMUM CONCRETE PANEL WIDTH TABLE

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.

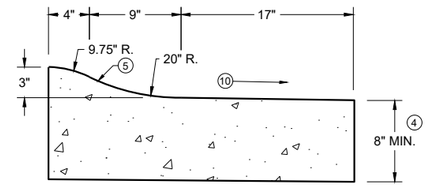
(5) UNLESS OTHERWISE NOTED, FOR STAKING PURPOSES THE FACE OF CURB IS 6" FROM THE BACK OF CURB.

(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.

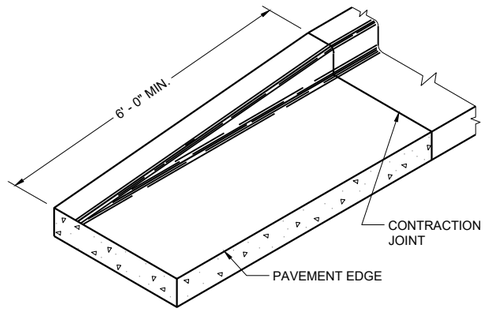
(9) SLOPE TO BE REVERSE SLOPE MATCHING THE SLOPE OF THE PAVEMENT AND THE CIRCULATORY ROADWAY



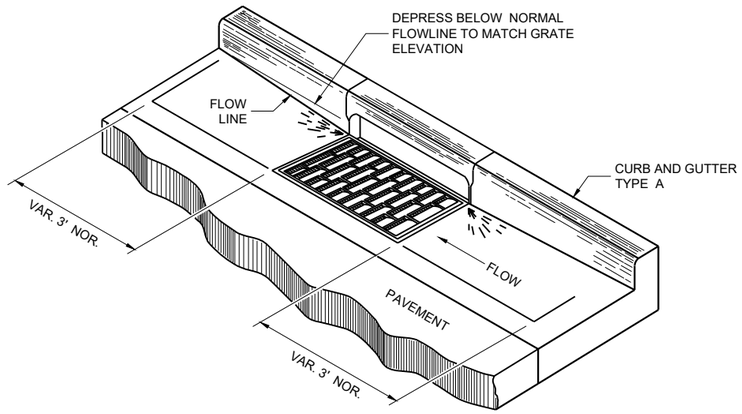
3" SLOPED CURB TYPES R (1) & T

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.

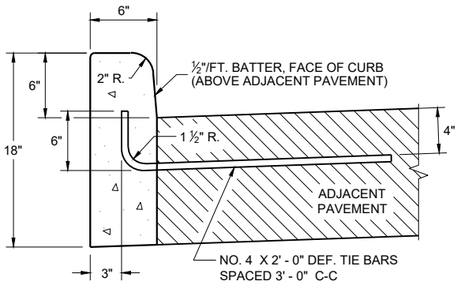
UNLESS OTHERWISE SHOWN ON THE TYPICAL CROSS SECTIONS, THE BASE AGGREGATE AND COMMON EXCAVATION LIMITS ARE 2' - 0" BEHIND THE BACK OF CURBS.

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

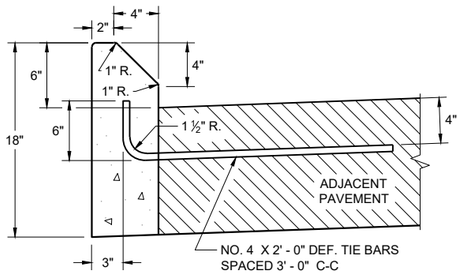
(2) THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE AGGREGATE PROVIDED A 6" MINIMUM GUTTER THICKNESS IS MAINTAINED.

(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.

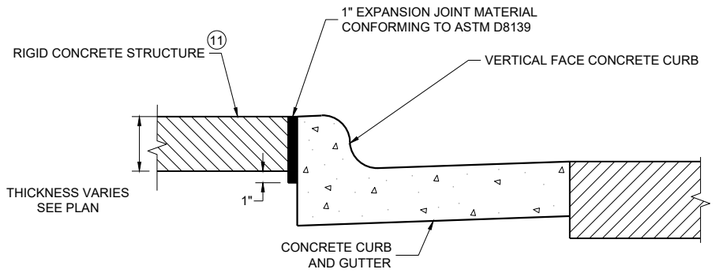


TYPES A (1) & D

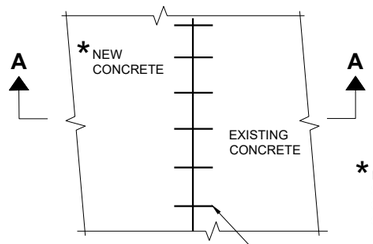


TYPES G (1) & J

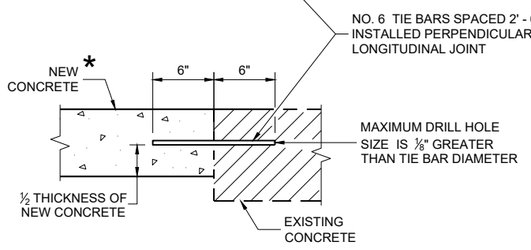
CONCRETE CURB



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

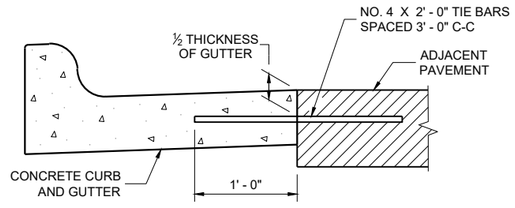


PLAN VIEW

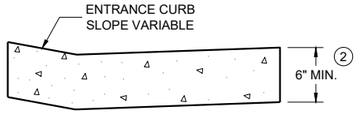


SECTION A - A

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

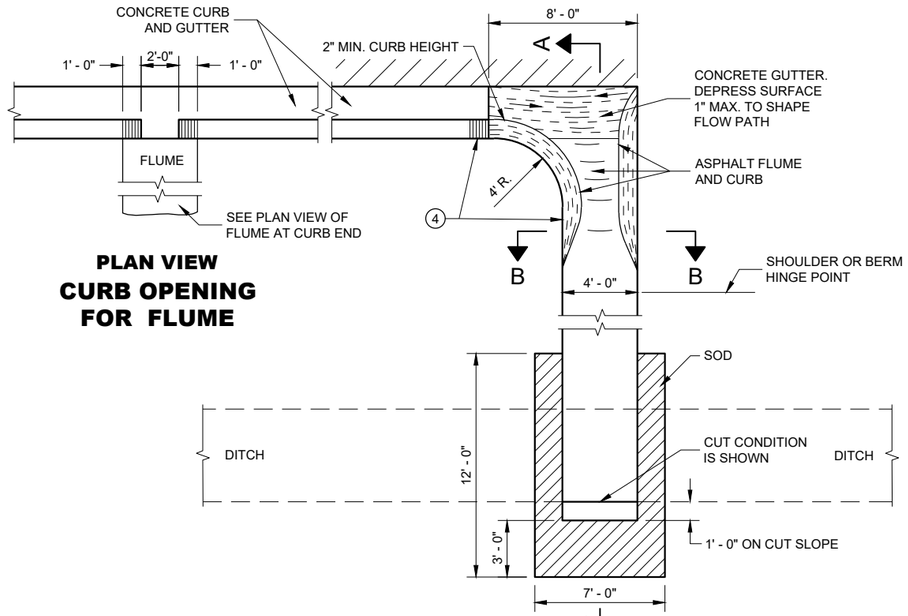
APPROVED
February 2025 — DATE
/S/ Rodnery Taylor — ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR

FHWA

6
SDD 08D01-24b

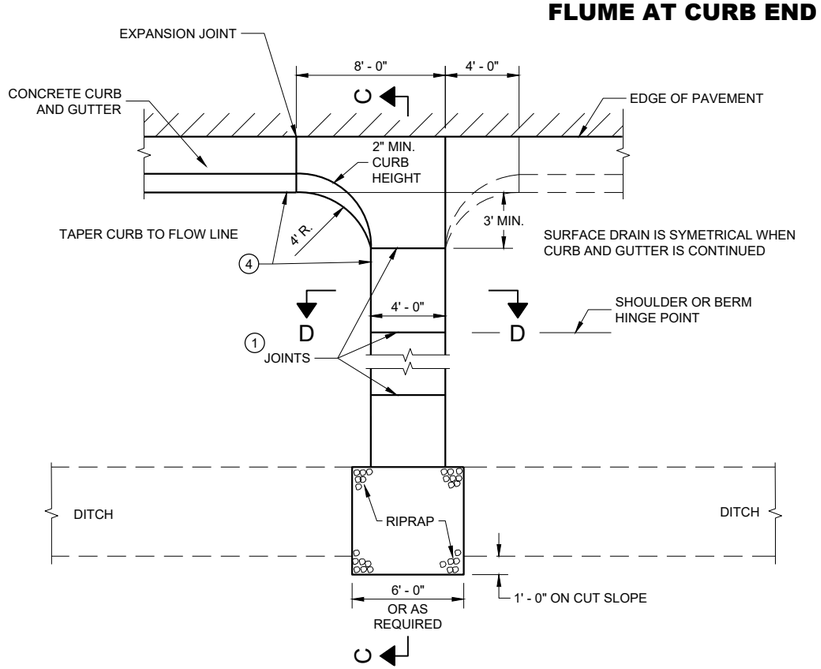
NOTE: TAPER CURB ENDS TO GUTTER IN 1' - 0"

ASPHALTIC FLUME



PLAN VIEW
CURB OPENING FOR FLUME

PLAN VIEW
FLUME AT CURB END



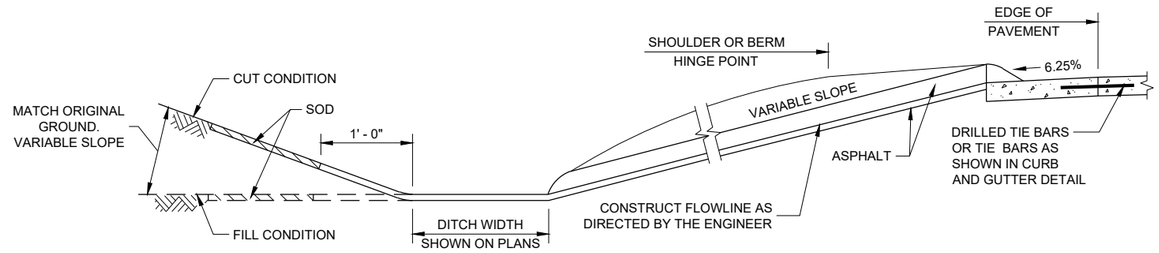
PLAN VIEW
CONCRETE SURFACE DRAIN

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.

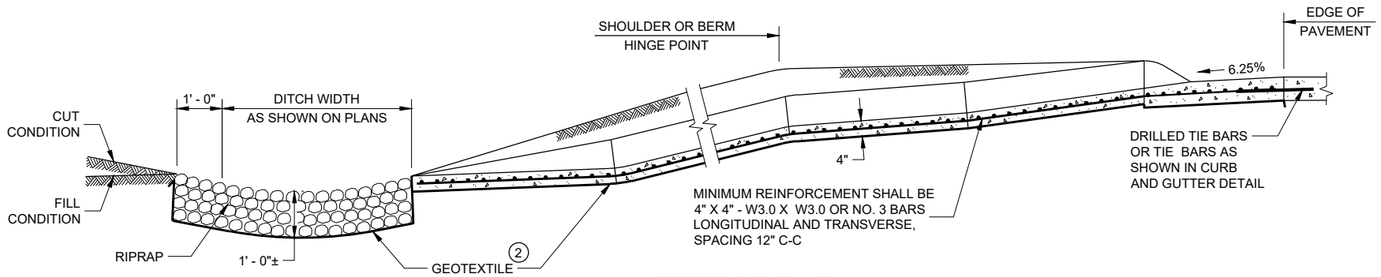
4" X 4" - W3.0 X W3.0 CONCRETE REINFORCEMENT SHALL BE IN ACCORDANCE WITH AASHTO SPECIFICATION M55.

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.

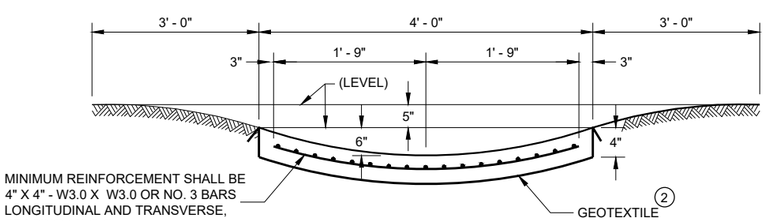


SECTION A - A

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

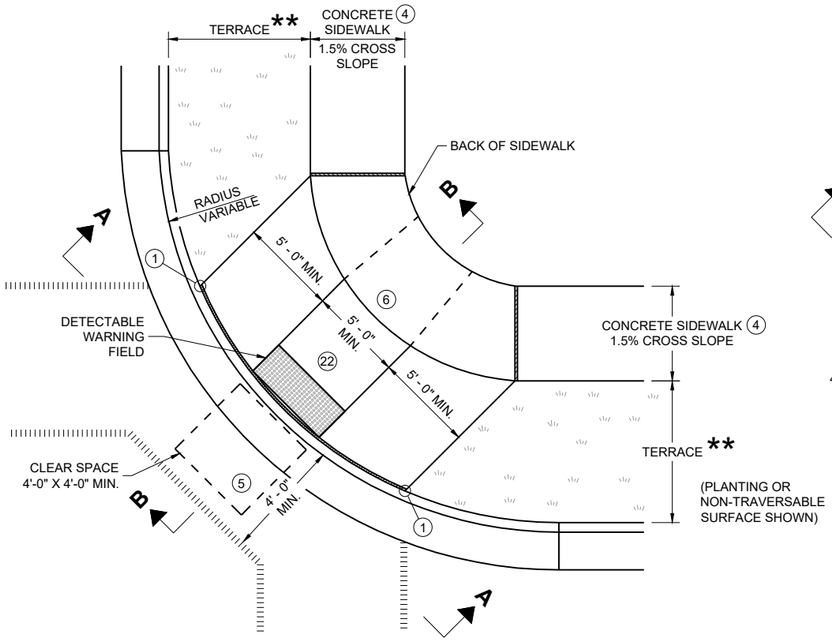
FHWA

6

SDD 08D04 - 07

6

SDD 08D04 - 07

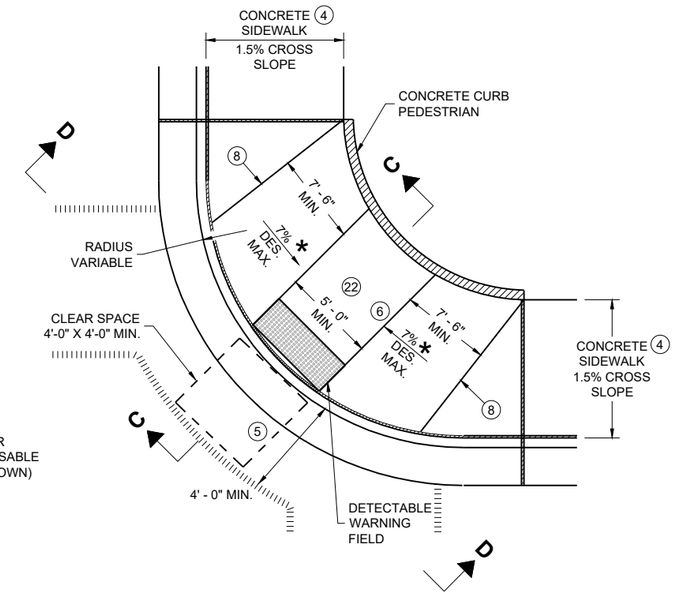


PLAN VIEW

CURB RAMP TYPE 1

(CENTER OF CORNER RADIUS)

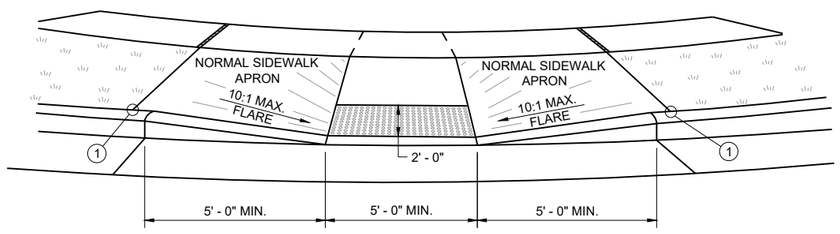
VIEW A - A FOR TYPE 1



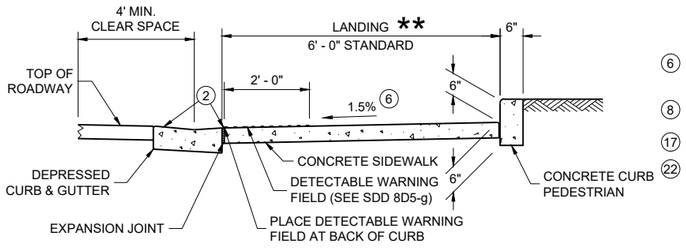
PLAN VIEW

CURB RAMP TYPE 1 - A

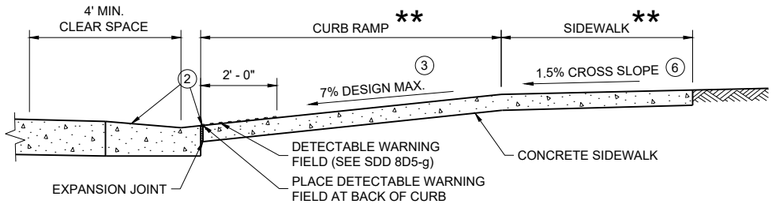
(NO TERRACE)



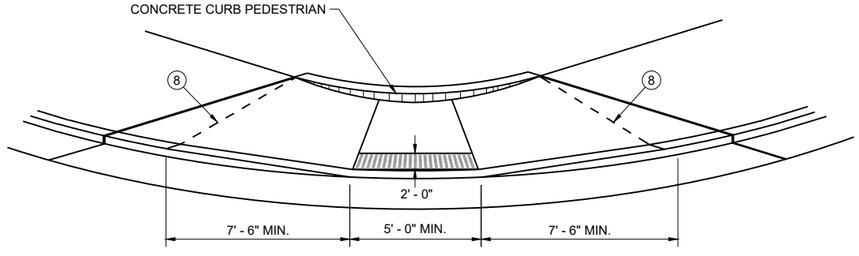
VIEW A - A FOR TYPE 1



SECTION C - C FOR TYPE 1 - A



SECTION B - B FOR TYPE 1



VIEW D - D FOR TYPE 1 - A

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF CURB RAMP ACCESS AREAS.

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

WHEN NECESSARY, THE SIDEWALK ELEVATION MAY BE LOWERED TO MEET THE HIGH POINT ON THE CURB RAMP.

TYPE 1 CURB RAMPS SHALL HAVE A NORMAL SIDEWALK APRON AND CURB ON BOTH SIDES OF CURB RAMP.

DETECTABLE WARNING FILED SHALL BE MEASURED AND PAID BY THE SQUARE FOOT AS "CURB RAMP DETECTABLE WARNING FIELD". THE CONCRETE PEDESTRIAN CURB, IF NEEDED, SHALL BE MEASURED AND PAID BY THE LINEAR FOOT AS "CONCRETE CURB PEDESTRIAN". CONCRETE SIDEWALK IN THE CURB RAMP AREA SHALL BE MEASURED AND PAID BY THE SQUARE FOOT AS CONCRETE SIDEWALK, INCLUDING THE AREA UNDER THE DETECTABLE WARNING FIELD.

SELECT CURB RAMP DETECTABLE WARNING FIELD MATERIALS AND DEVICES FROM THE DEPARTMENT'S APPROVED MATERIALS LIST. THE COLOR OF THE DETECTABLE WARNING FIELD IS SPECIFIED ELSEWHERE AND IS INCIDENTAL TO THE BID ITEM OF "CURB RAMP DETECTABLE WARNING FIELD"

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

SURFACE TEXTURE OF THE RAMP SHALL BE OBTAINED BY COARSE BROOMING TRANSVERSE TO THE SLOPE OF THE CURB RAMP.

(1) THIS POINT IS AN EXTENSION OF OUTSIDE EDGE OF APPROACHING SIDEWALK WHERE IT MEETS THE BACK OF CONCRETE CURB. POINT LOCATION MAY BE ADJUSTED TO ALIGN WITH BEGINNING OF FULL-HEIGHT CURB IF THIS DISTANCE IS SHORT.

(2) GRADE CHANGE BETWEEN GUTTER COUNTER SLOPE AND THE CURB RAMP SLOPE IS DESIRABLY 11% OR LESS AND SHALL NOT EXCEED 13.3%. TYPICAL GUTTER COUNTER SLOPE IS 4% BUT MAY BE MODIFIED TO FIT FIELD CONDITIONS. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5%, DESIRABLY 7% OR LESS, AND SHALL NOT EXCEED A MAXIMUM OF 8.3%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) MAXIMUM 8.3% CURB RAMP SLOPE IS ALLOWABLE WITH GUTTER COUNTER SLOPE OF 5% MAXIMUM AND A 13.3% MAXIMUM GRADE CHANGE.

(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2.1% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(5) PROVIDE A CLEAR SPACE IN THE STREET AND GUTTER AREA. WHEN THE GUTTER CROSS SLOPE EXCEEDS 2.1%, CONSTRUCT THE CLEAR SPACE IN THE STREET AREA AND THE 4 FOOT WIDTH IS MEASURED FROM THE FLANGE LINE. FOR RECONSTRUCTION AND MODERNIZATION PROJECTS THE CLEAR SPACE SLOPE PARALLEL TO THE CURBLINE SHOULD BE 2.1% MAX FOR CROSSINGS THAT ARE STOP AND YIELD CONTROLLED, AND 5% MAX FOR THOSE THAT ARE SIGNAL CONTROLLED. FOR PERPETUATION AND REHABILITATION PROJECTS THE SLOPE OF THE CLEAR SPACE PARALLEL TO THE CURBLINE WILL MATCH THE ROADWAY LONGITUDINAL SLOPE. THE SLOPE OF THE CLEAR SPACE PERPENDICULAR TO THE CURBLINE WILL MATCH THE ROADWAY CROSS SLOPE BUT SHOULD NOT EXCEED 5% UNLESS THE ROADWAY IS SUPERELEVATED (WHEN SUPERELEVATED THE ROADWAY CROSS SLOPE SHOULD MATCH THE SUPERELEVATION).

(6) PROVIDE A 5 FOOT BY 5 FOOT LANDING. SLOPE PERPENDICULAR TO CURB SHALL BE 2.1% MAXIMUM. SLOPE PARALLEL TO CURB SHALL MATCH THE CURB AND GUTTER LONGITUDINAL SLOPE.

(8) PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.

(17) A MAXIMUM 2-INCH CONCRETE BORDER IS PERMITTED ALONG ALL SIDES OF THE DETECTABLE WARNING FIELD SURFACE.

(22) THE ENTIRE RAMP SHALL BE A PLANAR SURFACE. DO NOT WARP THE RUNNING SLOPE OR CROSS SLOPE OF THE RAMP. WARPING OF THE SIDEWALK CROSS SLOPE SHALL TAKE PLACE BETWEEN THE LANDING AND MATCH POINT.

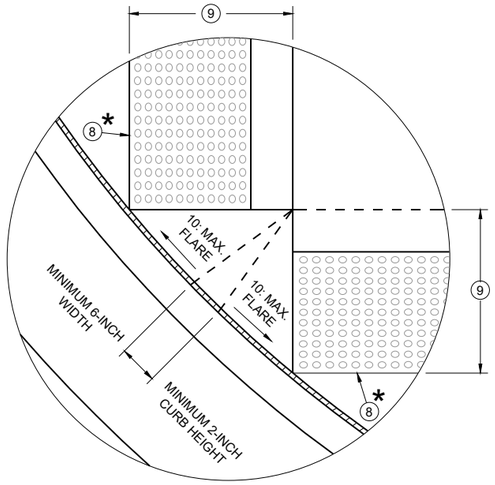
LEGEND

- ½" EXPANSION JOINT SIDEWALK
- CONTRACTION JOINT FIELD LOCATED
- PAVEMENT MARKING CROSSWALK (WHITE)
- * MAXIMUM 8.3%
- ** WIDTH SHOWN ELSEWHERE IN THE PLANS

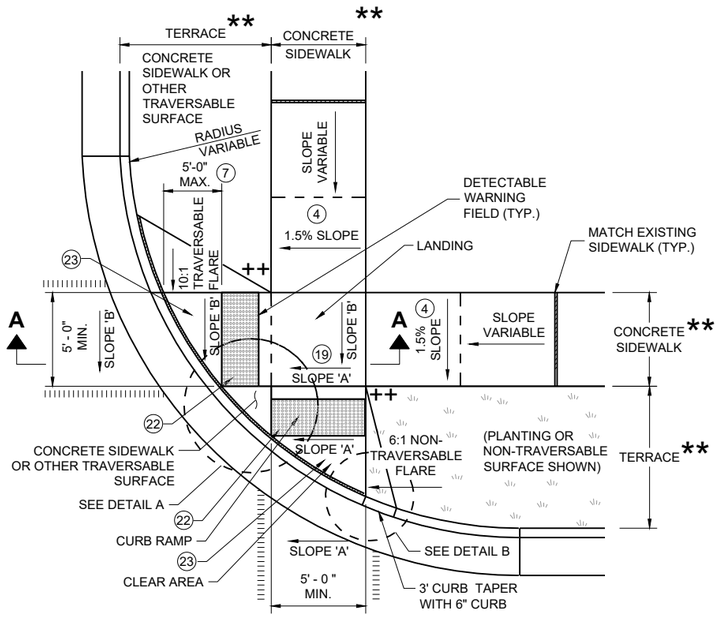
CURB RAMPS TYPE 1 AND 1-A

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6
SDD 08D05-22a



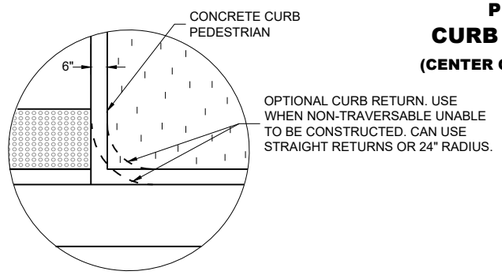
DETAIL A



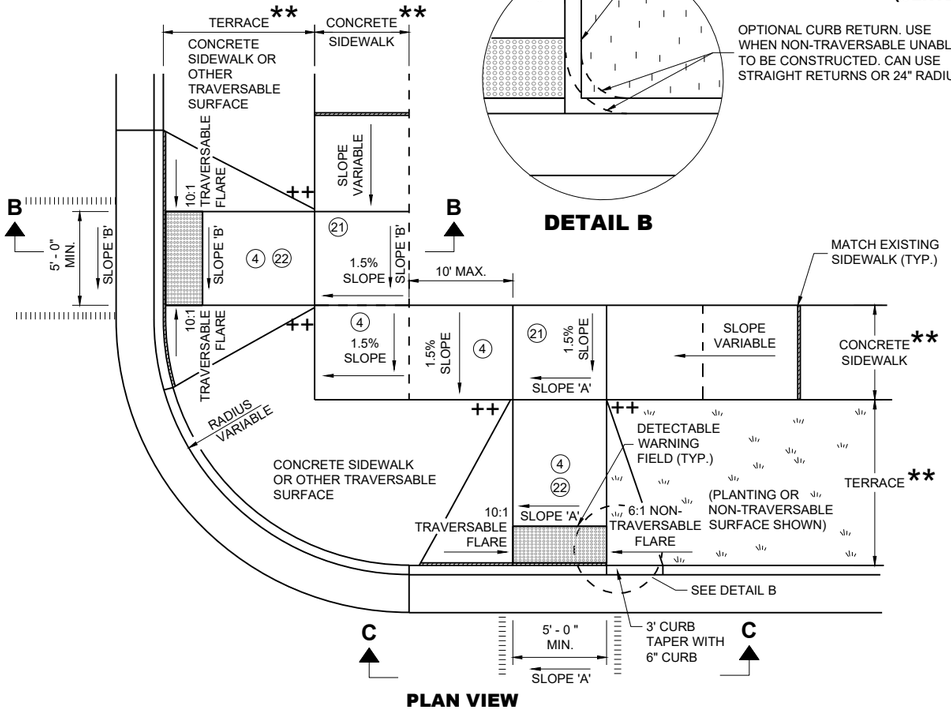
PLAN VIEW

CURB RAMP TYPE 2

(CENTER OF CORNER RADIUS)



DETAIL B



PLAN VIEW

CURB RAMP TYPE 3

(OUTSIDE OF CROSSWALK AREA)

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF CURB RAMP ACCESS AREAS.

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

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE SHALL BE FROM THE SAME MANUFACTURER.

(2) GRADE CHANGE BETWEEN GUTTER COUNTER SLOPE AND THE CURB RAMP SLOPE IS DESIRABLY 11% OR LESS AND SHALL NOT EXCEED 13.3%. TYPICAL GUTTER COUNTER SLOPE IS 4% BUT MAY BE MODIFIED TO FIT FIELD CONDITIONS. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5%, DESIRABLY 7% OR LESS, AND SHALL NOT EXCEED A MAXIMUM OF 8.3%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) MAXIMUM 8.3% CURB RAMP SLOPE IS ALLOWABLE WITH GUTTER COUNTER SLOPE OF 5% MAXIMUM AND A 13.3% MAXIMUM GRADE CHANGE.

(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2.1% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(7) WHEN GRADE BREAK DISTANCE EXCEEDS 5 FEET, USE RADIAL DETECTABLE WARNING FIELD PER SDD 8D5-f.

(8) PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.

(9) WHEN DISTANCE IS LESS THAN 6' - 0", IT MAY BE DIFFICULT TO ACHIEVE A 7% DESIGN MAXIMUM SLOPE OR FLATTER ALONG THE RAMP. REDUCE CURB HEIGHT IN TRIANGLE AREA TO ACHIEVE 7% DESIGN MAXIMUM SLOPE OR FLATTER ON RAMP. CONSTRUCT 2-INCH MINIMUM CURB HEIGHT BETWEEN 10:1 FLARES.

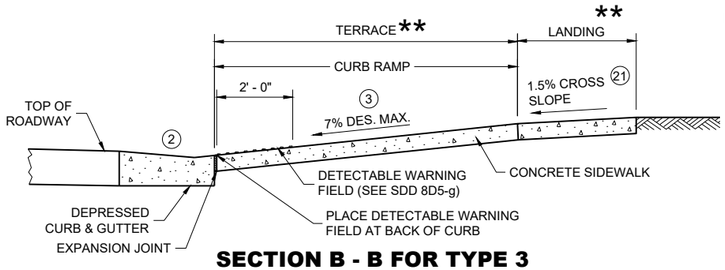
(17) A MAXIMUM 2-INCH CONCRETE BORDER IS PERMITTED ALONG ALL SIDES OF THE DETECTABLE WARNING FIELD SURFACE.

(19) WHERE A LANDING SERVES TWO CURB RAMPS, THE LANDING SLOPE SHALL NOT EXCEED THE CROSS SLOPE AT THE BOTTOM OF THE RAMP OR WITHIN THE CROSSWALK PARALLEL TO THE DIRECTION OF TRAVEL.

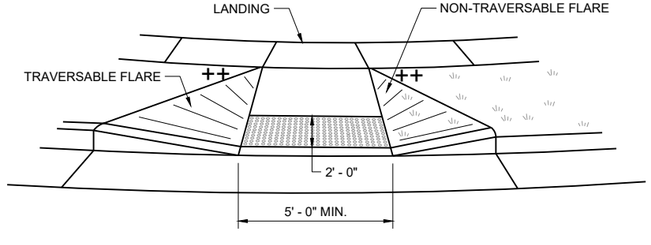
(21) PROVIDE A LANDING WITH A SLOPE PARALLEL TO ROADWAY THAT MATCHES SLOPE AT THE BOTTOM OF THE ADJACENT RAMP. SLOPE PERPENDICULAR TO ROADWAY SHALL BE 2.1% MAXIMUM. STANDARD LANDING SIZE IS 5 FEET BY 5 FEET.

(22) THE ENTIRE RAMP SHALL BE A PLANAR SURFACE. DO NOT WARP THE RUNNING SLOPE OR CROSS SLOPE OF THE RAMP. WARPING OF THE SIDEWALK CROSS SLOPE SHALL TAKE PLACE BETWEEN THE LANDING AND MATCH POINT.

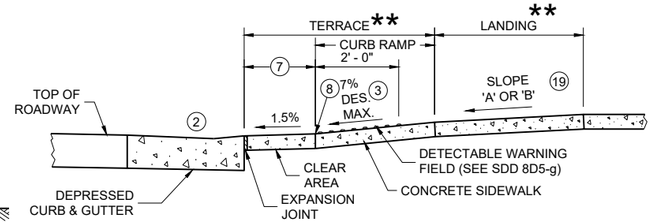
(23) THE CLEAR AREA BETWEEN THE BOTTOM OF RAMP AND BACK OF CURB SHALL BE SLOPED SO THAT WATER DRAINS OUT OF ONE SIDE OR BOTH SIDES OF THE CURB OPENING.



SECTION B - B FOR TYPE 3



VIEW C - C FOR TYPE 3



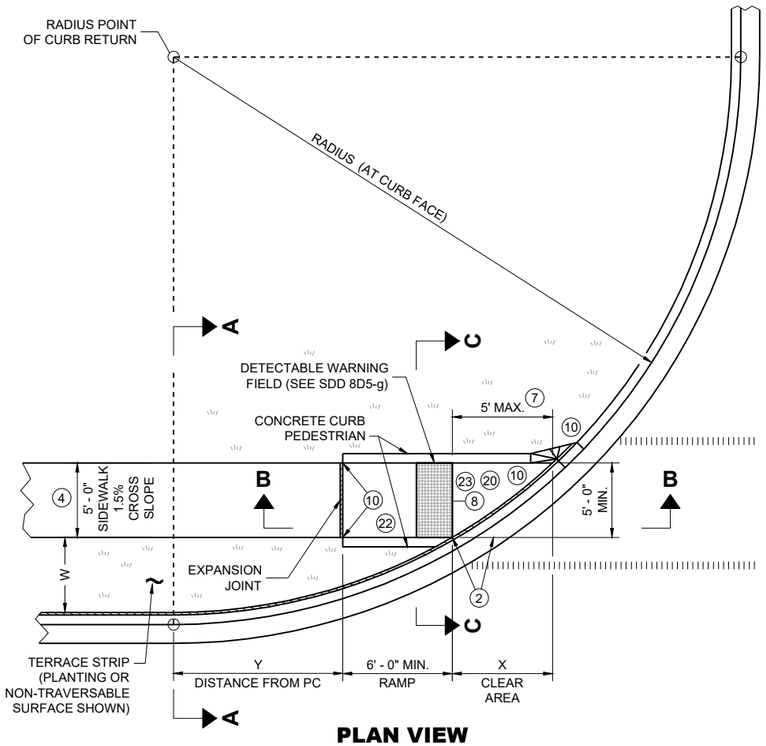
SECTION A - A FOR TYPE 2

LEGEND

- ½" EXPANSION JOINT SIDEWALK
- CONTRACTION JOINT SIDEWALK
- PAVEMENT MARKING CROSSWALK (WHITE)
- * MAXIMUM 2.1% SLOPE IN ALL DIRECTIONS IN FRONT OF GRADE BREAK
- ** WIDTH SHOWN ELSEWHERE IN THE PLANS
- ++ CONSTRUCT 6" WEDGE TO AVOID CONCRETE BREAKAGE

CURB RAMPS TYPE 2 AND 3

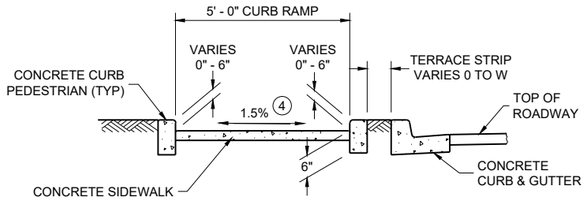
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



PLAN VIEW
CURB RAMP TYPE 4B

RADIUS (AT CURB FACE)	W = 3' - 0"		W = 4' - 0"		W = 5' - 0"		W = 6' - 0"		W = 7' - 0"		W = 8' - 0"		W = 9' - 0"		W = 10' - 0"	
	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y
10 FEET	2' - 10 ¼"	0' - 5"	2' - 1"	1' - 4 ½"	1' - 5"	2' - 1"	0' - 10"	2' - 7 ½"	0' - 3 ¼"	3' - 0 ¼"						
15 FEET	4' - 6 ¾"	2' - 1 ¾"	3' - 9"	3' - 5 ¾"	3' - 1 ¼"	4' - 6"	2' - 6 ¾"	5' - 4 ½"	2' - 1"	6' - 1"	1' - 8"	6' - 8 ½"	1' - 3 ¼"	7' - 2 ½"	0' - 10 ¾"	7' - 7 ¼"
20 FEET			4' - 11 ½"	5' - 1 ¾"	4' - 3 ¼"	6' - 5 ½"	3' - 8 ¾"	7' - 7"	3' - 3"	8' - 6 ½"	2' - 10"	9' - 4 ½"	2' - 5 ½"	10' - 1 ¼"	2' - 1 ¼"	10' - 9"
30 FEET									4' - 10 ¾"	12' - 5 ¾"	4' - 5 ½"	13' - 7 ¾"	4' - 0 ¾"	14' - 8 ½"	3' - 8 ½"	15' - 8 ¼"
40 FEET															4' - 10 ¾"	19' - 8 ¼"

INTERMEDIATE RADII CAN BE INTERPOLATED
DIMENSION "Y" IS CALCULATED BASED ON 6'-0" RAMP LENGTH
DIMENSION "X" IS CALCULATED BASED ON 5'-0" SIDEWALK WIDTH



SECTION C - C FOR TYPE 4B

LEGEND

- ½" EXPANSION JOINT SIDEWALK
- CONTRACTION JOINT SIDEWALK
- PAVEMENT MARKING CROSSWALK (WHITE)
- * MAXIMUM 2.1% SLOPE IN ALL DIRECTIONS IF FRONT OF GRADE BREAK
- ++ CONSTRUCT 6" WEDGE TO AVOID CONCRETE BREAKAGE

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF CURB RAMP ACCESS AREAS.

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

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

(2) GRADE CHANGE BETWEEN GUTTER COUNTER SLOPE AND THE CURB RAMP SLOPE IS DESIRABLY 11% OR LESS AND SHALL NOT EXCEED 13.3%. TYPICAL GUTTER COUNTER SLOPE IS 4% BUT MAY BE MODIFIED TO FIT FIELD CONDITIONS. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5%, DESIRABLY 7% OR LESS, AND SHALL NOT EXCEED A MAXIMUM OF 8.3%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) MAXIMUM 8.3% CURB RAMP SLOPE IS ALLOWABLE WITH GUTTER COUNTER SLOPE OF 5% MAXIMUM AND A 13.3% MAXIMUM GRADE CHANGE.

(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2.1% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(7) WHEN THIS GRADE BREAK DISTANCE EXCEEDS 5 FEET, USE RADIAL DETECTABLE WARNING FIELD PER SDD 8D5-f.

(8) PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.

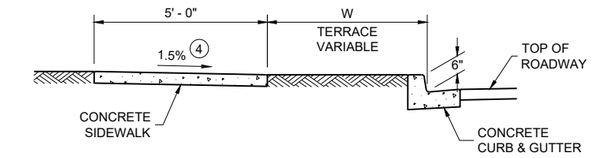
(10) INSTALL TRANSITION NOSE (INCIDENTAL TO OTHER PAY ITEMS). DO NOT MARK TRANSITION NOSE.

(17) A MAXIMUM 2-INCH CONCRETE BORDER IS PERMITTED ALONG ALL SIDES OF THE DETECTABLE WARNING FIELD SURFACE.

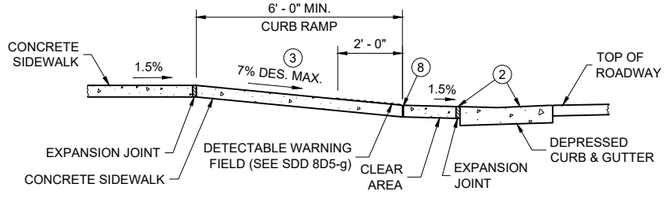
(20) MAXIMUM 1.5% DESIGN MAXIMUM AND 2.1% PROWAG MAXIMUM RUNNING SLOPE ON CLEAR AREA. CROSS SLOPE OF CLEAR AREA SHALL MATCH THE CROSS SLOPE OF THE ADJACENT CROSSWALK.

(22) THE ENTIRE RAMP SHALL BE A PLANAR SURFACE. DO NOT WARP THE RUNNING SLOPE OR CROSS SLOPE OF THE RAMP. WARPING OF THE SIDEWALK CROSS SLOPE SHALL TAKE PLACE BETWEEN THE LANDING AND MATCH POINT.

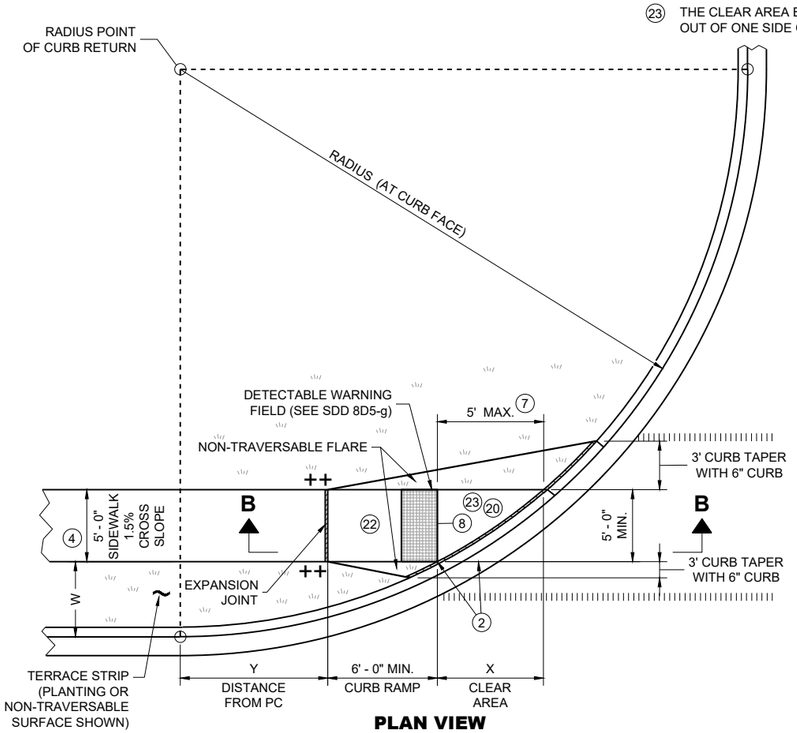
(23) THE CLEAR AREA BETWEEN THE BOTTOM OF RAMP AND BACK OF CURB SHALL BE SLOPED SO THAT WATER DRAINS OUT OF ONE SIDE OR BOTH SIDES OF THE CURB OPENING.



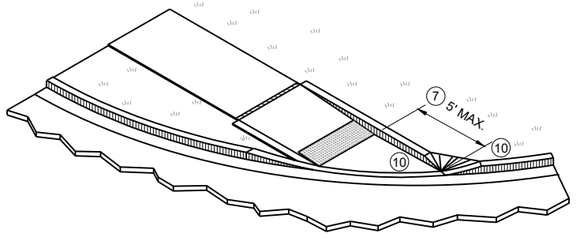
SECTION A - A FOR TYPE 4B



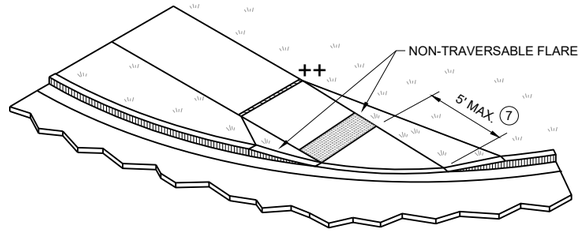
SECTION B - B FOR TYPE 4B AND TYPE 4B1



PLAN VIEW
CURB RAMP TYPE 4B1



ISOMETRIC VIEW FOR TYPE 4B



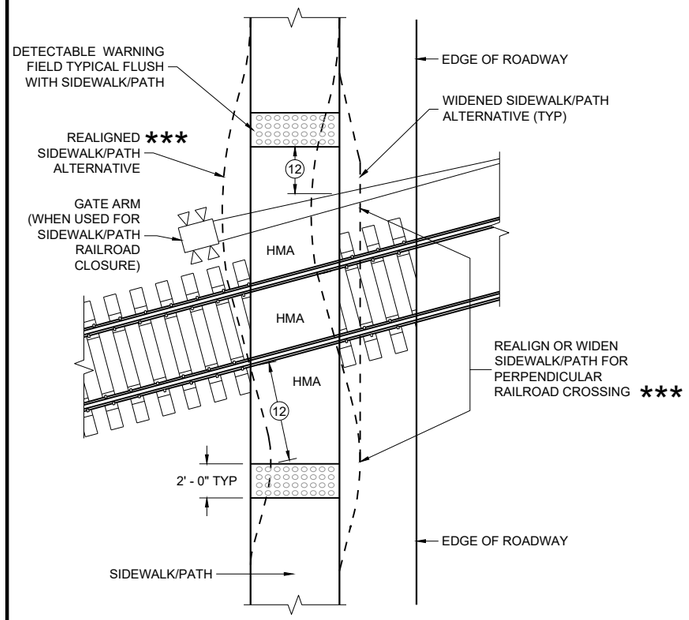
ISOMETRIC VIEW FOR TYPE 4B1

CURB RAMPS
TYPE 4B AND 4B1

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

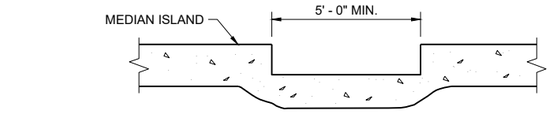
6

SDD 08D05-22d

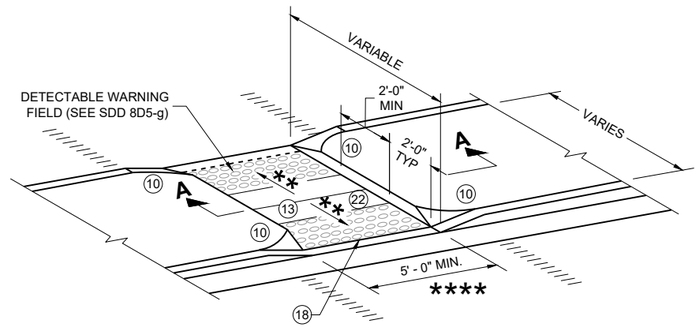


CURB RAMP TYPE 8

DETECTABLE WARNINGS FOR SIDEWALKS OR SHARED USE PATHS AT RAILROAD CROSSINGS



SECTION A - A FOR TYPE 5



CURB RAMP TYPE 5

MEDIAN ISLAND NON-ELEVATED PEDESTRIAN CROSSING

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF CURB RAMP ACCESS AREAS.

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

SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2.1%.

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

(2) GRADE CHANGE BETWEEN GUTTER COUNTER SLOPE AND THE CURB RAMP SLOPE IS DESIRABLY 11% OR LESS AND SHALL NOT EXCEED 13.3%. TYPICAL GUTTER COUNTER SLOPE IS 4% BUT MAY BE MODIFIED TO FIT FIELD CONDITIONS. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5%, DESIRABLY 7% OR LESS, AND SHALL NOT EXCEED A MAXIMUM OF 8.3%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) MAXIMUM 8.3% CURB RAMP SLOPE IS ALLOWABLE WITH GUTTER COUNTER SLOPE OF 5% MAXIMUM AND A 13.3% MAXIMUM GRADE CHANGE.

(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2.1% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(6) PROVIDE A 5 FOOT BY 5 FOOT LANDING. SLOPE PERPENDICULAR TO CURB SHALL BE 2.1% MAXIMUM. SLOPE PARALLEL TO CURB SHALL MATCH THE CURB AND GUTTER LONGITUDINAL SLOPE.

(10) INSTALL TRANSITION NOSE (INCIDENTAL TO OTHER PAY ITEMS). DO NOT MARK TRANSITION NOSE.

(11) SLOPE SIDEWALK TOWARD LANDING AS SHOWN WHERE THERE IS NO TERRACE OR WHERE THE TERRACE WIDTH IS LESS THAN 6 FEET WIDE.

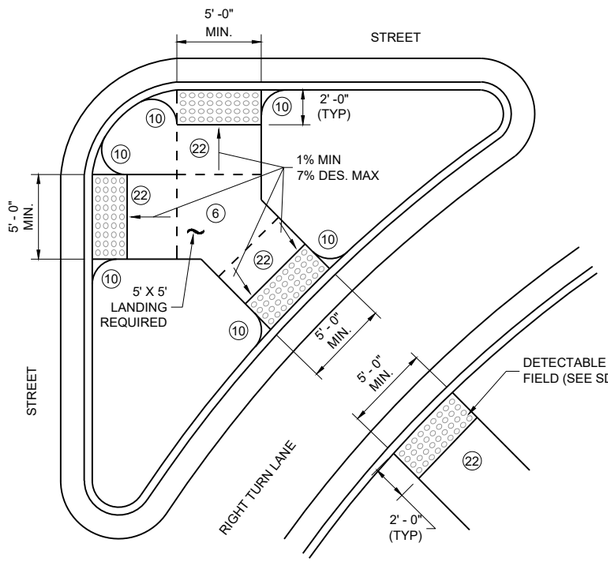
(12) THE EDGE OF THE DETECTABLE WARNING FIELD NEAREST TO A RAILROAD CROSSING SHALL BE 1.5 FEET ±0.1' FROM THE FACE OF THE GATE ARM IF THE GATE ARM EXTENDS ACROSS THE SIDEWALK/PATH, WHERE THERE IS NO PEDESTRIAN GATE, THE EDGE OF THE DETECTABLE WARNING FIELD NEAREST TO THE RAILROAD TRACK IS 15 FEET MAXIMUM AND 12 FEET MINIMUM, 15 FEET TYPICAL FROM THE NEAREST RAIL.

(13) DO NOT INSTALL DETECTABLE WARNING FIELDS AT THE EDGES OF STEET-LEVEL PEDESTRIAN REFUGE ISLANDS IF A MINIMUM 2 FOOT CONCRETE SURFACE WITHOUT DETECTABLE WARNINGS (MEASURED IN THE DIRECTION OF PEDESTRIAN TRAVEL) CANNOT BE ACHIEVED.

(17) A MAXIMUM 2-INCH CONCRETE BORDER IS PERMITTED ALONG ALL SIDES OF THE DETECTABLE WARNING FIELD SURFACE.

(18) WHEN THE DISTANCE BETWEEN THE BACK OF CURBS IS LESS THAN 6 FEET BUT THE FACE OF CURB TO FACE OF CURB DISTANCE IS 6 FEET OR GREATER THEN THE DETECTABLE WARNING FIELDS MAY BE MOVED SO THAT THE EDGE OF THE WARNING FIELD IS PLACED AT THE GUTTER FLOWLINE. MAINTAIN A MINIMUM OF TWO FEET BETWEEN DETECTABLE WARNING FIELD PANELS.

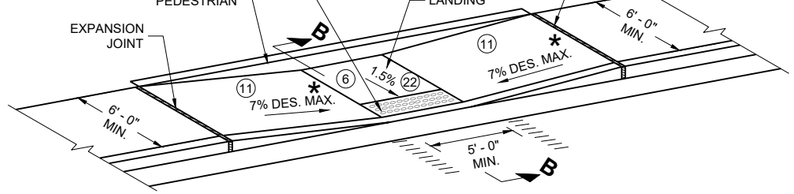
(22) THE ENTIRE RAMP SHALL BE A PLANAR SURFACE. DO NOT WARP THE RUNNING SLOPE OR CROSS SLOPE OF THE RAMP. WARPING OF THE SIDEWALK CROSS SLOPE SHALL TAKE PLACE BETWEEN THE LANDING AND MATCH POINT.



CURB RAMP TYPE 6

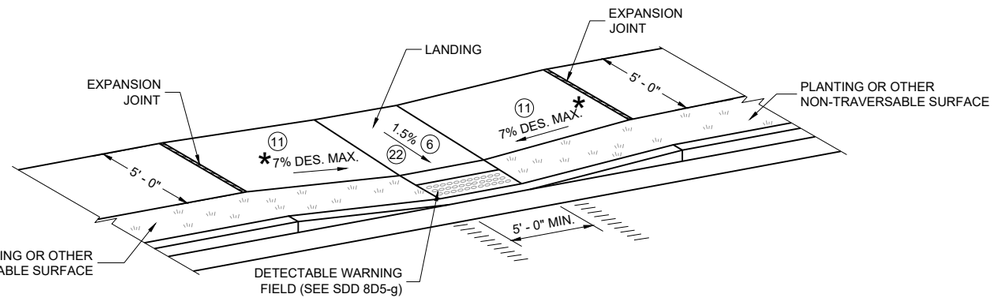
DETECTABLE WARNING AT ISLANDS

REFER TO GENERAL NOTES (2) AND (3) FOR ALL ISLAND CURB RAMPS



CURB RAMP TYPE 7A

FOR INTERSECTIONS AND MID BLOCK CROSSINGS

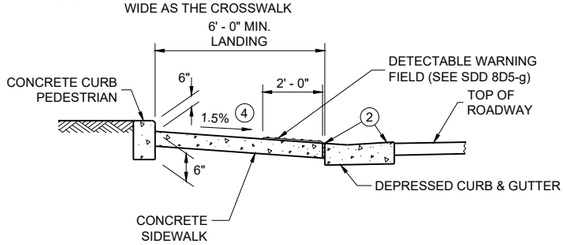


CURB RAMP TYPE 7B

FOR INTERSECTIONS AND MID BLOCK CROSSINGS

LEGEND

═══	½" EXPANSION JOINT SIDEWALK
– – – –	CONTRACTION JOINT FIELD LOCATED
ıı ıı ıı ıı	PAVEMENT MARKING CROSSWALK (WHITE)
*	MAXIMUM 8.3%
**	1% MINIMUM (PROVIDE DRAINAGE)
***	DETAILS TO BE DETERMINED BY ENGINEER
****	FOR SHARED USE PATHS, WIDTH MUST BE AS WIDE AS THE CROSSWALK

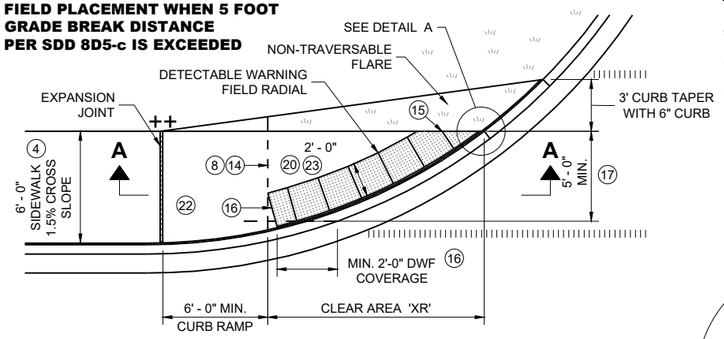


SECTION B - B FOR TYPE 7A

CURB RAMPS
TYPE 5, 6, 7A, 7B & 8

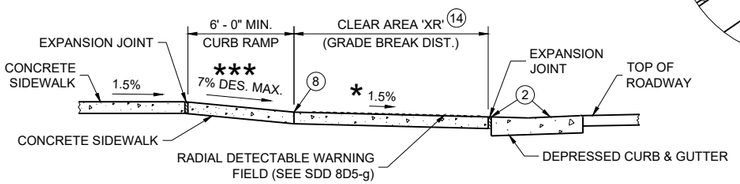
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

RADIAL DETECTABLE WARNING FIELD PLACEMENT WHEN 5 FOOT GRADE BREAK DISTANCE PER SDD 8D5-c IS EXCEEDED



PLAN VIEW

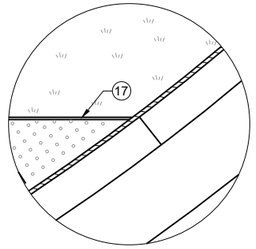
CURB RAMP TYPE 4A1
(GRADE BREAK DISTANCE GREATER THAN 5 FEET)



SECTION A - A FOR TYPE 4A1

LEGEND

═══	½" EXPANSION JOINT SIDEWALK
– – – –	CONTRACTION JOINT SIDEWALK
ıllıllıllıllı	PAVEMENT MARKING CROSSWALK (WHITE)
**	WIDTH SHOWN ELSEWHERE IN THE PLANS
***	MAXIMUM 8.3%
++	CONSTRUCT 6" WEDGE TO AVOID CONCRETE BREAKAGE



DETAIL A

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF CURB RAMP ACCESS AREAS.

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

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

APPLY RADIAL DETECTABLE WARNING PLACEMENT SIMILARLY FOR TYPE 4A AND 4A1 CURB RAMPS AND SIMILARLY FOR TYPE 4B AND 4B1 CURB RAMPS. TYPE 4A AND 4B CURB RAMPS ARE NOT SHOWN.

REFER TO SDD 8D5-g FOR ADDITIONAL RADIAL PLATE REQUIREMENTS.

FIELD CUTS AT INTERMEDIATE JOINTS WITHIN THE RADIAL DETECTABLE WARNING FILED ARE PROHIBITED.

DETERMINE FINAL RADIAL WARNING FIELD CONFIGURATION AD ITS INDIVIDUAL PLATE LOCATIONS. PERFORM PRE-LAYOUT PRIOR TO PLACEMENT IN PLASTIC CONCRETE. FOLLOW MANUFACTURER'S PRODUCT LIST AND INSTALLATION RECOMMENDATIONS.

(2) GRADE CHANGE BETWEEN GUTTER COUNTER SLOPE AND THE CURB RAMP SLOPE IS DESIRABLY 11% OR LESS AND SHALL NOT EXCEED 13.3%. TYPICAL GUTTER COUNTER SLOPE IS 4% BUT MAY BE MODIFIED TO FIT FIELD CONDITIONS. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5%, DESIRABLY 7% OR LESS, AND SHALL NOT EXCEED A MAXIMUM OF 8.3%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) MAXIMUM 8.3% CURB RAMP SLOPE IS ALLOWABLE WITH GUTTER COUNTER SLOPE OF 5% MAXIMUM AND A 13.3% MAXIMUM GRADE CHANGE.

(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2.1% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(6) PROVIDE A 5 FOOT BY 5 FOOT LANDING. SLOPE PERPENDICULAR TO CURB SHALL BE 2.1% MAXIMUM. SLOPE PARALLEL TO CURB SHALL MATCH THE CURB AND GUTTER LONGITUDINAL SLOPE.

(8) PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.

(14) CONSULT ENGINEER IF GRADE BREAK LOCATION (END OF LANDING DIMENSION "XR") REQUIRES FIELD ADJUSTMENT WHEN ESTABLISHING FINAL RADIAL DETECTABLE WARNING FIELD LOCATION.

(15) FIELD SAW CUTS ALONG RADIAL DETECTABLE WARNING PLATES WILL BE NECESSARY TO MATCH EACH CURB RAMP EDGE. AVOID CUTTING THROUGH DOMES WHENEVER POSSIBLE. MAKE FIELD CUTS TRUE TO LINE AND WITHIN ⅛" DEVIATION. SMOOTH EDGES OF FIELD CUT PLATES.

(16) USE 1' X 2" RECTANGULAR END PLATE AT END OF TYPE 4A1 RAMP AND PROVIDE MINIMUM 2' - 0" DETECTABLE WARNING FIELD COVERAGE (IN DIRECTION OF PEDESTRIAN TRAVEL) ALONG THE ENTIRE CURB RAMP WIDTH.

(17) A MAXIMUM 2-INCH CONCRETE BORDER IS PERMITTED ALONG ALL SIDES OF THE DETECTABLE WARNING FIELD SURFACE.

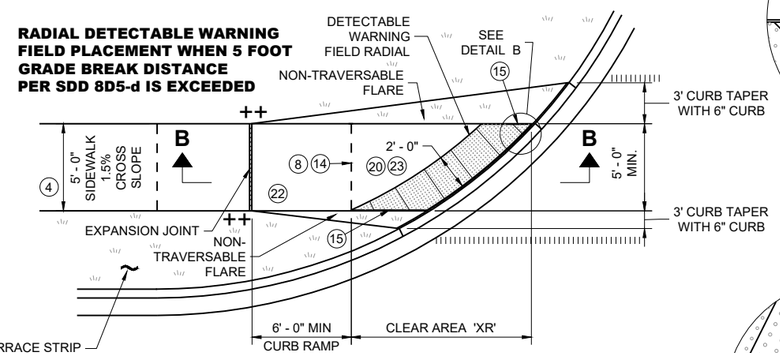
(19) WHERE A LANDING SERVES TWO CURB RAMPS, THE LANDING SLOPE SHALL NOT EXCEED THE CROSS SLOPE AT THE BOTTOM OF THE RAMP OR WITHIN THE CROSSWALK PARALLEL TO THE DIRECTION OF TRAVEL.

(20) MAXIMUM 1.5% DESIGN MAXIMUM AND 2.1% PROWAG MAXIMUM RUNNING SLOPE ON CLEAR AREA. CROSS SLOPE OF CLEAR AREA SHALL MATCH THE CROSS SLOPE OF THE ADJACENT CROSSWALK.

(22) THE ENTIRE RAMP SHALL BE A PLANAR SURFACE. DO NOT WARP THE RUNNING SLOPE OR CROSS SLOPE OF THE RAMP. WARPING OF THE SIDEWALK CROSS SLOPE SHALL TAKE PLACE BETWEEN THE LANDING AND MATCH POINT.

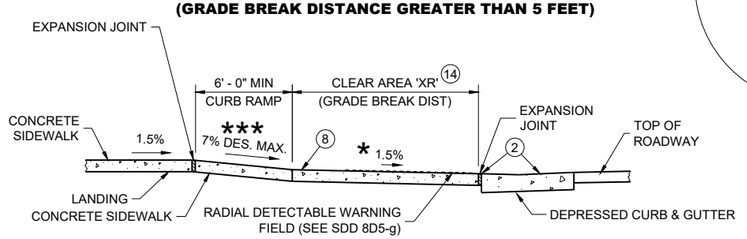
(23) THE CLEAR AREA BETWEEN THE BOTTOM OF RAMP AND BACK OF CURB SHALL BE SLOPED SO THAT WATER DRAINS OUT OF ONE SIDE OR BOTH SIDES OF THE CURB OPENING.

RADIAL DETECTABLE WARNING FIELD PLACEMENT WHEN 5 FOOT GRADE BREAK DISTANCE PER SDD 8D5-d IS EXCEEDED

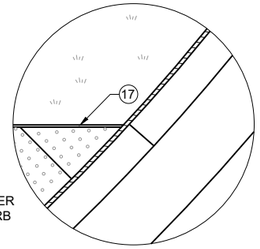


PLAN VIEW

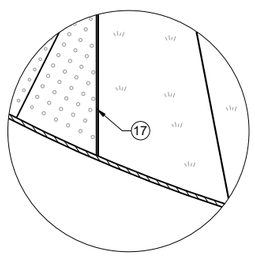
CURB RAMP TYPE 4B1
(GRADE BREAK DISTANCE GREATER THAN 5 FEET)



SECTION B - B FOR TYPE 4B1

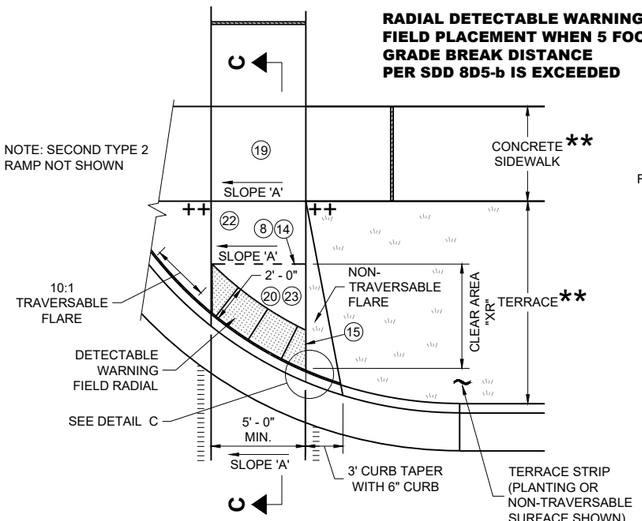


DETAIL B



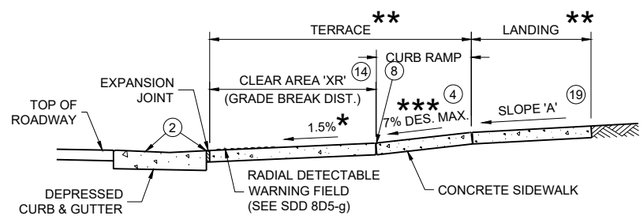
DETAIL C

RADIAL DETECTABLE WARNING FIELD PLACEMENT WHEN 5 FOOT GRADE BREAK DISTANCE PER SDD 8D5-b IS EXCEEDED



PLAN VIEW

CURB RAMP TYPE 2
(GRADE BREAK DISTANCE GREATER THAN 5 FEET)
(ON LINE WITH SIDEWALK)



SECTION C - C FOR TYPE 2

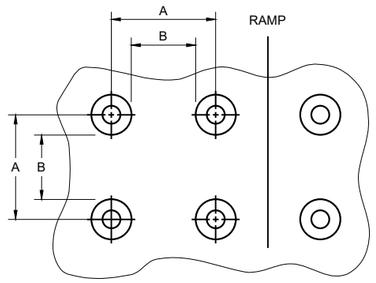
CURB RAMPS
RADIAL DETECTABLE WARNING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

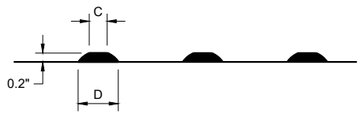
SDD 08D05-22f

	MIN.	MAX.
A	1.6"	2.4"
B	0.65"	1.5"
C	*	*
D	0.9"	1.4"

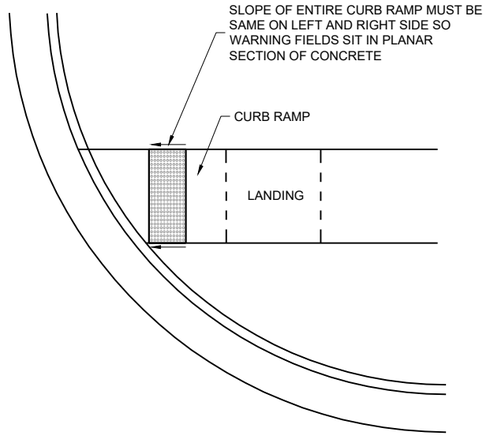
* THE C DIMENSION IS 50% TO 65% OF THE D DIMENSION.



PLAN VIEW



ELEVATION VIEW



DETECTABLE WARNING FIELD
PLANAR INSTALLATION

GENERAL NOTES

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AT A CURB RAMP SHALL BE FROM THE SAME MANUFACTURER.

PLACE ALL DETECTABLE WARNING FIELD SYSTEMS IN ACCORDANCE TO THE MANUFACTURER'S RECOMMENDATION.

FIELD CUTS AT INTERMEDIATE JOINTS WITHIN THE RADIAL DETECTABLE WARNING FILED ARE PROHIBITED.

DETERMINE FINAL RADIAL WARNING FIELD CONFIGURATION AND ITS INDIVIDUAL PLATE LOCATIONS. PERFORM PRE-LAYOUT PRIOR TO PLACEMENT IN PLASTIC CONCRETE. FOLLOW MANUFACTURER'S PRODUCT LIST AND INSTALLATION RECOMMENDATIONS.

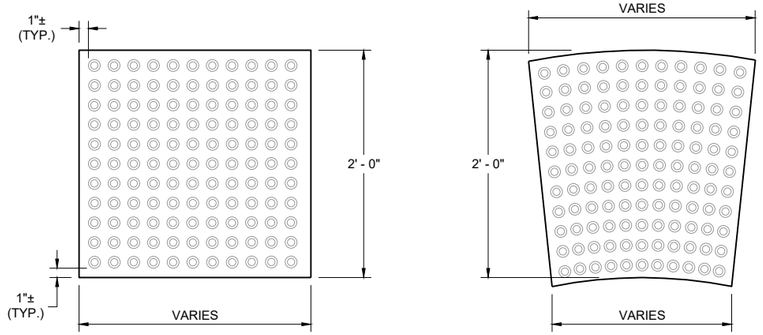
FOR RADIAL DETECTABLE WARNING FIELD APPLICATIONS WHERE STANDARD RADIAL PLATES ARE NOT AVAILABLE AT AN INTERSECTION CURB RADIUS, A COMBINATION OF SQUARE OR RECTANGULAR PLATES AND RADIAL PLATES MAY BE USED TO FORM RADIAL CONFIGURATION. RADIAL WEDGE PLATES IN COMBINATION WITH SQUARE PLATES ARE ALSO ACCEPTABLE. FOLLOW MANUFACTURER'S RECOMMENDATIONS.

REFER TO CONTRACT AND STANDARD SPECIFICATIONS FOR FIELD CUTTING REQUIREMENTS.

DO NOT EMBED IN CONCRETE ANY FIELD-CUT PLATES WITH CUT EDGES SHORTER THAN 6 INCHES. CONSULT WITH MANUFACTURER FOR RE-DRILLING AND ANCHORING REQUIREMENTS OF FIELD-CUT PLATES.

(15) FIELD SAW CUTS ALONG RADIAL DETECTABLE WARNING PLATES WILL BE NECESSARY TO MATCH EACH CURB RAMP EDGE. AVOID CUTTING THROUGH DOMES WHENEVER POSSIBLE. MAKE FIELD CUTS TRUE TO LINE AND WITHIN ⅛" DEVIATION. SMOOTH EDGES OF FIELD CUT PLATES.

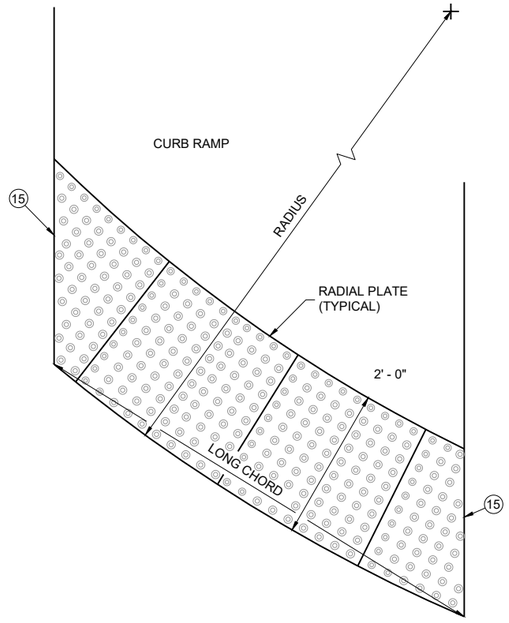
TRUNCATED DOMES
DETECTABLE WARNING PATTERN DETAIL



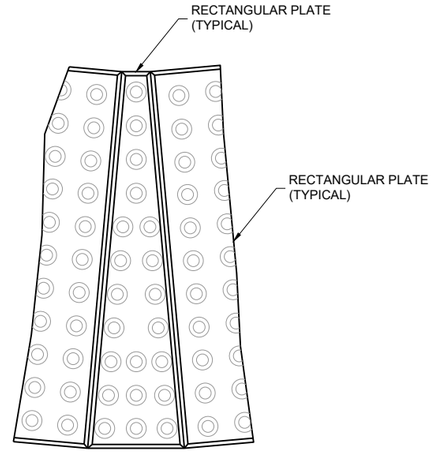
RECTANGULAR PLATES

RADIAL PLATES

PLAN VIEW
DETECTABLE WARNING FIELDS (TYPICAL)



PLAN VIEW
RADIAL DETECTABLE WARNING FIELD ATTRIBUTES



PLAN VIEW
RADIAL WEDGE PLATE CONNECTION DETAIL

CURB RAMPS
RECTANGULAR AND RADIAL DETECTABLE WARNING PLATES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

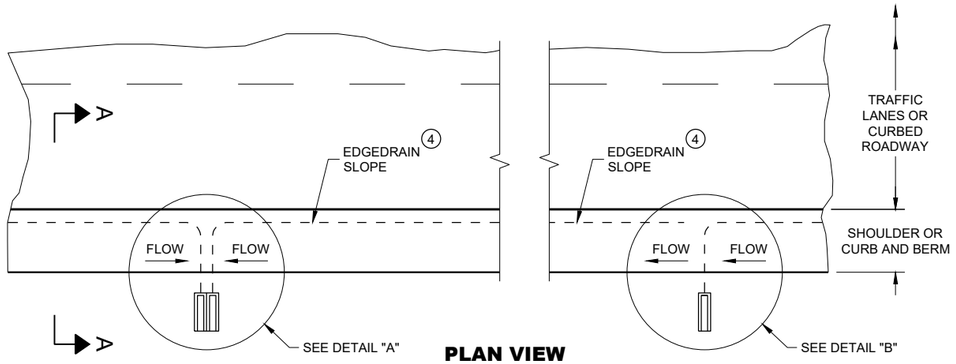
APPROVED
February 2025 — DATE
/S/ Rodney Taylor — <position>
FHWA

6

SDD 08D05-22g

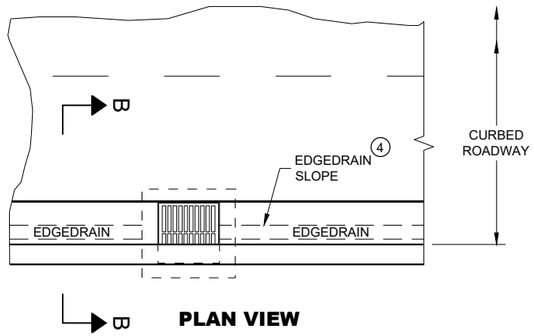
6

SDD 08D05-22g



PLAN VIEW

ROADWAY WITH SHOULDERS OR CURBS
(EDGEDRAIN CONNECTS TO ROADSIDE) (2)



PLAN VIEW

ROADWAY WITH CURBS
(EDGEDRAIN CONNECTS INTO INLET STRUCTURE)

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) UNPERFORATED PIPE UNDERDRAIN AND FITTINGS FURNISHED FOR OUTFALL PIPE SHALL MEET THE REQUIREMENTS OF ONE OF THE FOLLOWING SPECIFICATIONS:

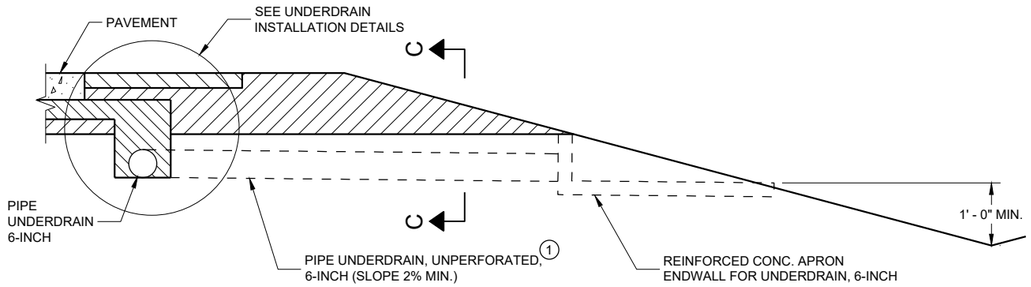
POLYVINYL CHLORIDE (PVC) PLASTIC DRAIN, WASTE, AND VENT PIPE AND FITTINGS, ASTM D 2665, SCHEDULE 40 PVC.

TYPE PSM POLYVINYL CHLORIDE (PVC) SEWER PIPE AND FITTINGS, ASTM D 3034, SDR 23.5 PVC SEWER PIPE.

(2) MAXIMUM SPACING OF EDGEDRAIN OUTLETS SHALL BE 250 FEET UNLESS OTHERWISE SPECIFIED IN THE CONTRACT OR DIRECTED BY THE ENGINEER.

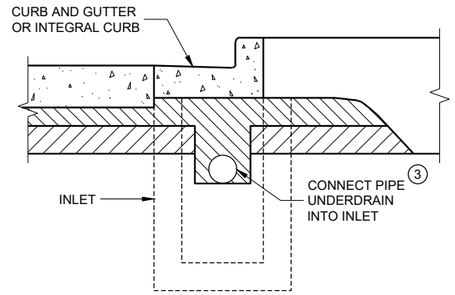
(3) EDGEDRAIN SHALL BE CONNECTED TO INLETS REGARDLESS OF FLOW DIRECTION FOR DRAINAGE AND MAINTENANCE ACCESS.

(4) EDGEDRAIN SHALL BE LAID PARALLEL TO THE GRADE OF ROADWAY.



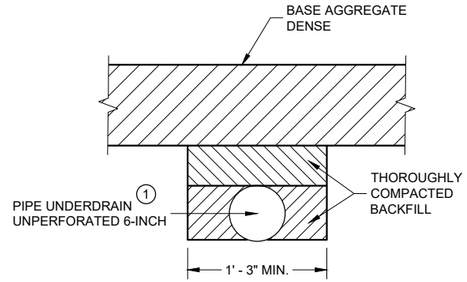
SECTION A - A

RURAL CROSS SECTION



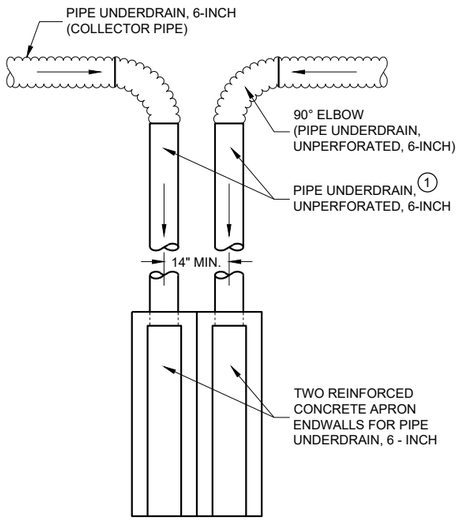
SECTION B - B

URBAN CROSS SECTION

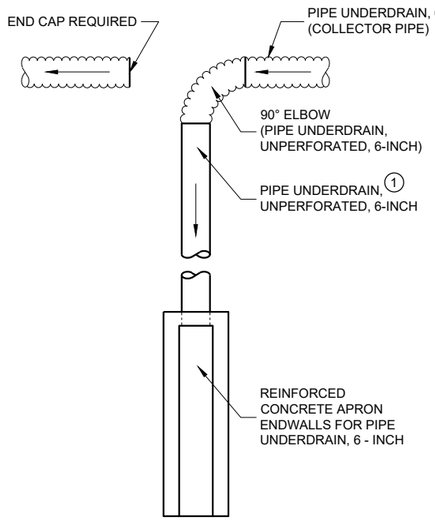


SECTION C - C

TRENCH FOR OUTFALL PIPE

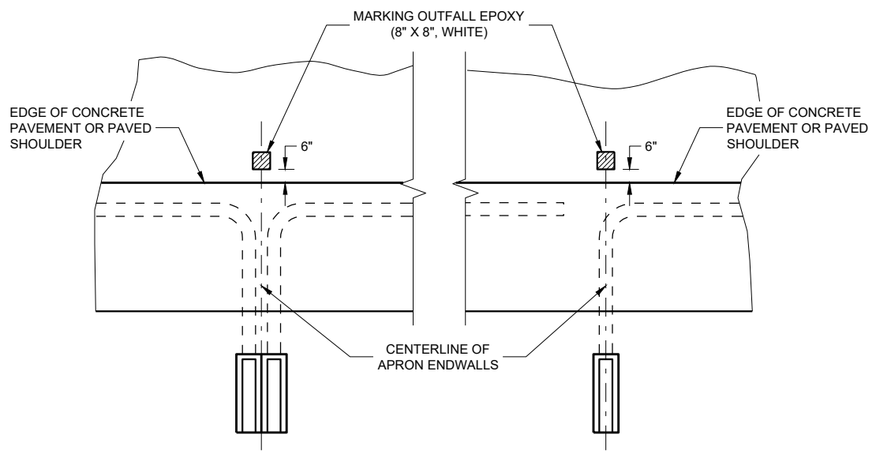


DETAIL "A"
TO BE USED AT LOW POINT LOCATIONS



DETAIL "B"
TO BE USED AT INTERMEDIATE LOCATIONS

TYPICAL DRAIN OUT DETAILS



LOW POINT LOCATIONS — INTERMEDIATE LOCATIONS

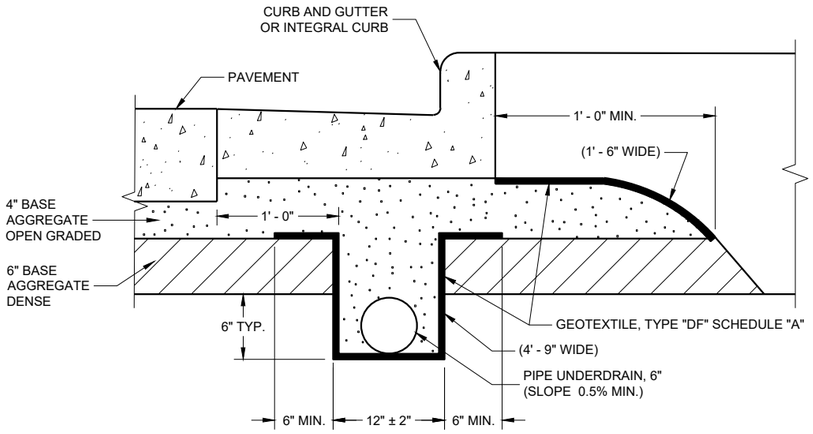
PAVEMENT MARKINGS FOR OUTFALL MARKERS

EDGEDRAIN OUTLET AND OUTFALL MARKERS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD08D15 - 05a



EDGEDRAIN IN URBAN ROADWAY

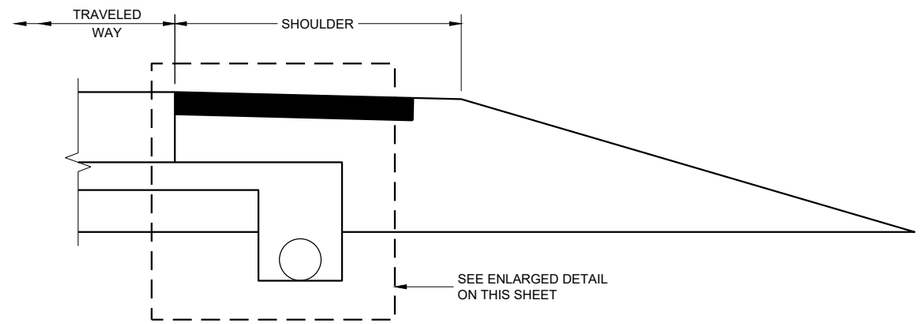
GENERAL NOTES

THE DIMENSIONS SHOWN ON THE TYPICAL CROSS SECTIONS WILL GOVERN IN THE EVENT THERE IS A CONFLICT WITH THE DETAILS SHOWN ON THIS DRAWING.

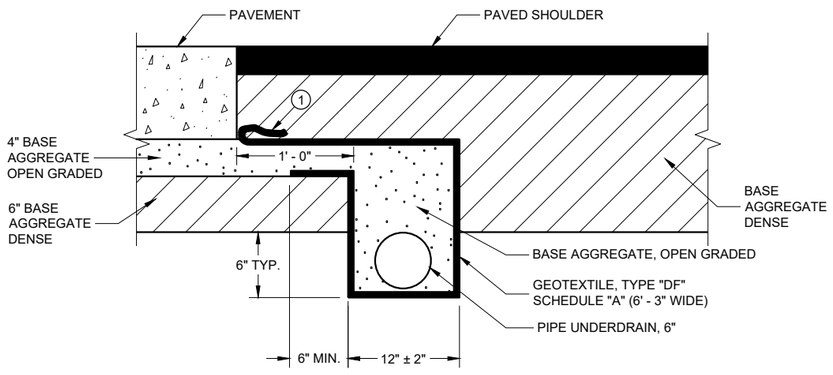
PIPE UNDERDRAIN SHALL BE LAID PARALLEL TO THE GRADE OF THE ROADWAY.

(1) FOLD OVER EXCESS GEOTEXTILE AT THIS LOCATION.

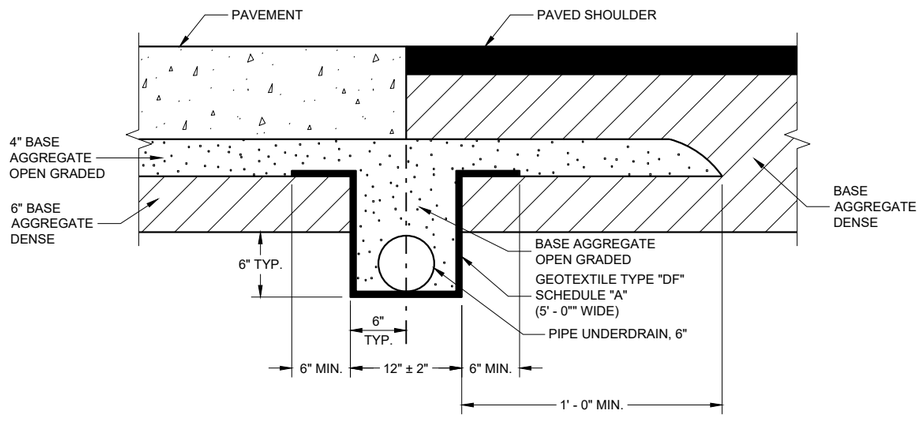
(2) TOTAL GEOTEXTILE WIDTH IS 6'-3" FOR PAYMENT.



RURAL CROSS SECTION



POST PAVING INSTALLATION
(QUANTITIES ARE BASED ON THIS DETAIL)



PRE-PAVING INSTALLATION ALTERNATIVE

EDGEDRAIN IN RURAL ROADWAY

EGEDRAIN AND BASE AGGREGATE OPEN GRADED

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTA

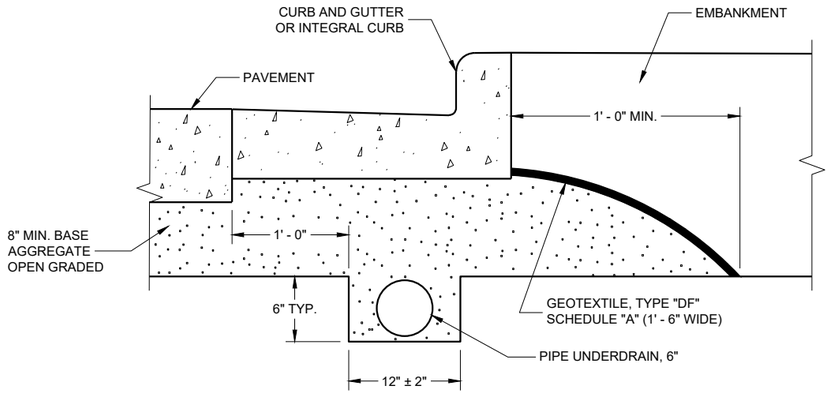
6

SDD 08D15 - 05b

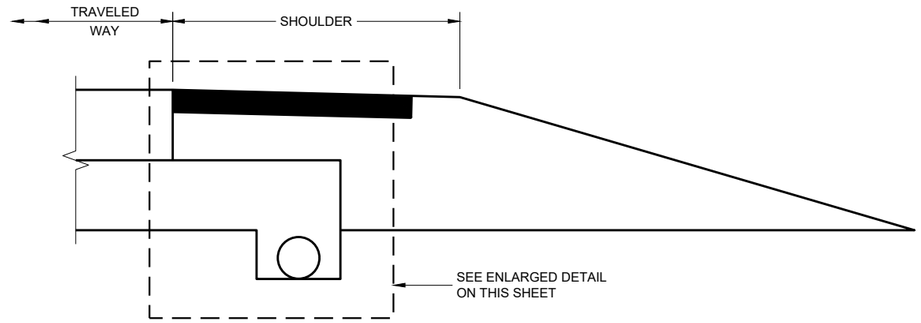
GENERAL NOTES

THE DIMENSIONS SHOWN ON THE TYPICAL CROSS SECTIONS WILL GOVERN IN THE EVENT THERE IS A CONFLICT WITH THE DETAILS SHOWN ON THIS DRAWING.

PIPE UNDERDRAIN SHALL BE LAID PARALLEL TO THE GRADE OF THE ROADWAY.

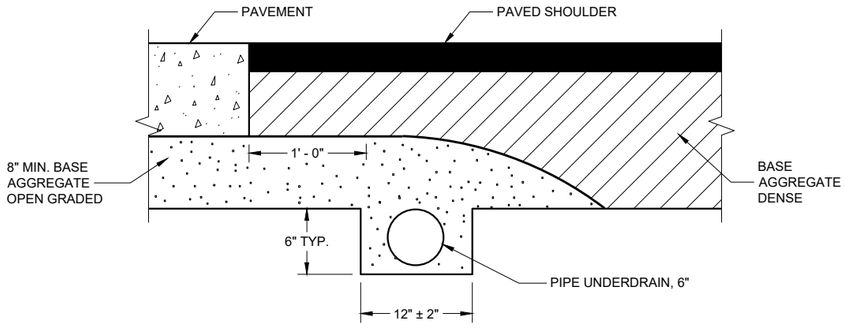


EDGEDRAIN IN URBAN ROADWAY



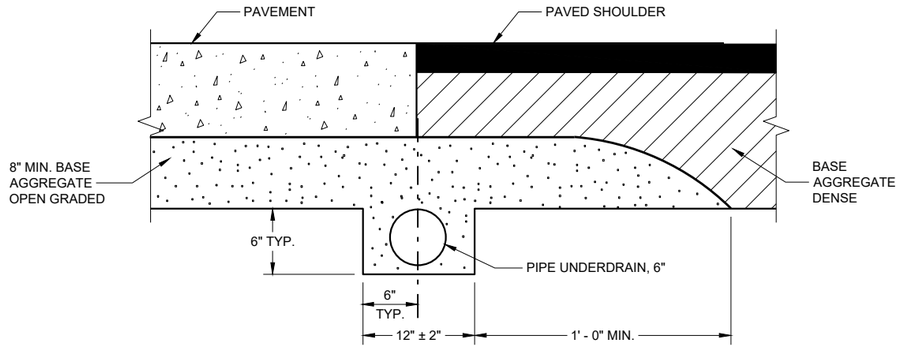
RURAL CROSS SECTION

6



POST PAVING INSTALLATION

(QUANTITIES ARE BASED ON THIS DETAIL)



PRE-PAVING INSTALLATION ALTERNATIVE

EDGEDRAIN IN RURAL ROADWAY

6

SDD 08D15 - 05c

EDGEDRAIN AND BASE AGGREGATE OPEN GRADED

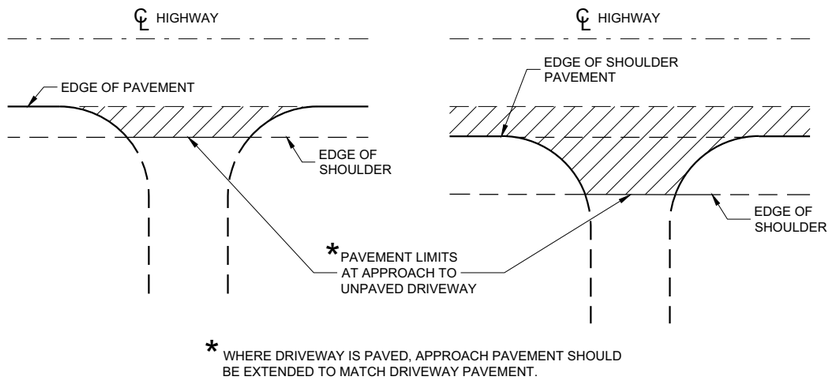
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
September 2015
DATE

/S/ Peter Kemp, P.E.
PAVEMENT SUPERVISOR

FHWA

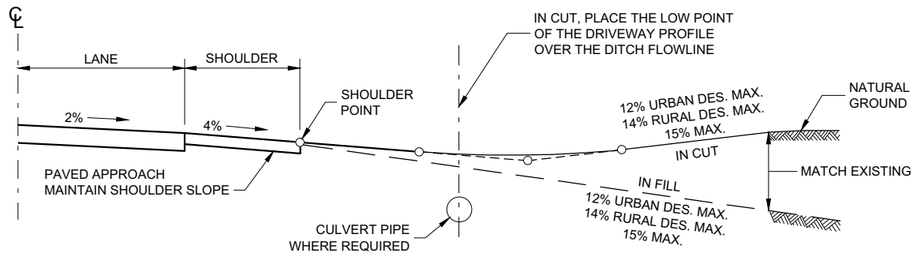
SDD 08D15 - 05c



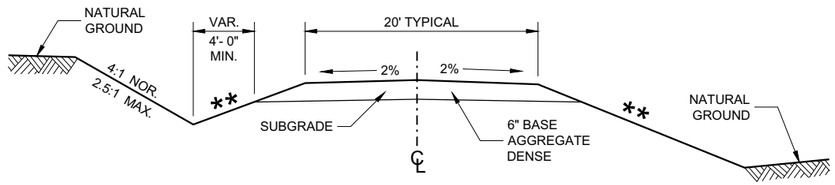
PLAN VIEW
(UNPAVED SHOULDER ON HIGHWAY)

PLAN VIEW
(PAVED SHOULDER ON HIGHWAY)

RURAL DRIVEWAY INTERSECTION DETAIL
(NO CURB AND GUTTER OR SIDEWALK)



TYPICAL DRIVEWAY PROFILES

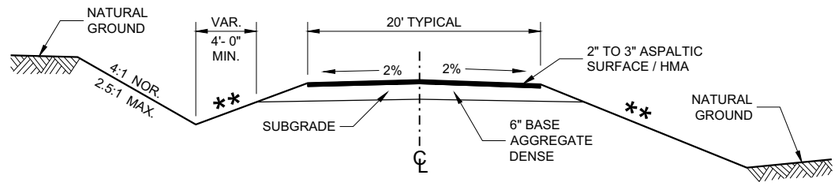


IN CUT IN FILL

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

6

SDD 08D21 - 01

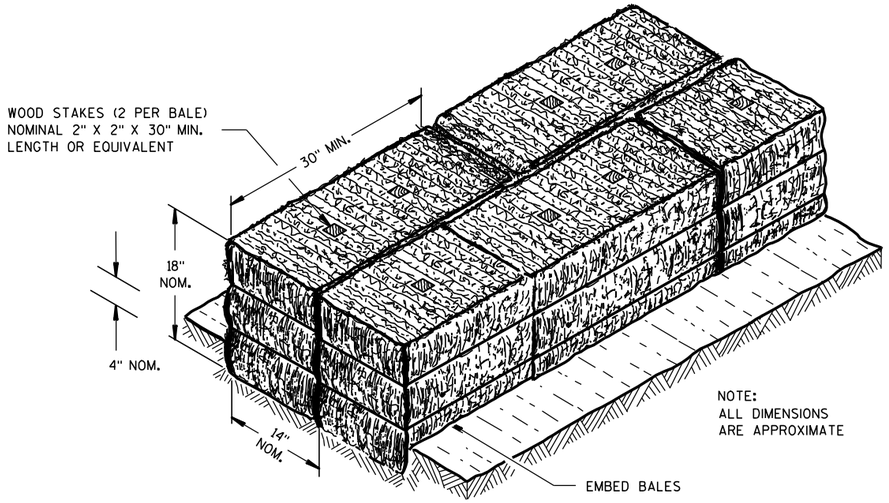
SDD 08D21 - 01

DRIVEWAYS WITHOUT CURB AND GUTTER

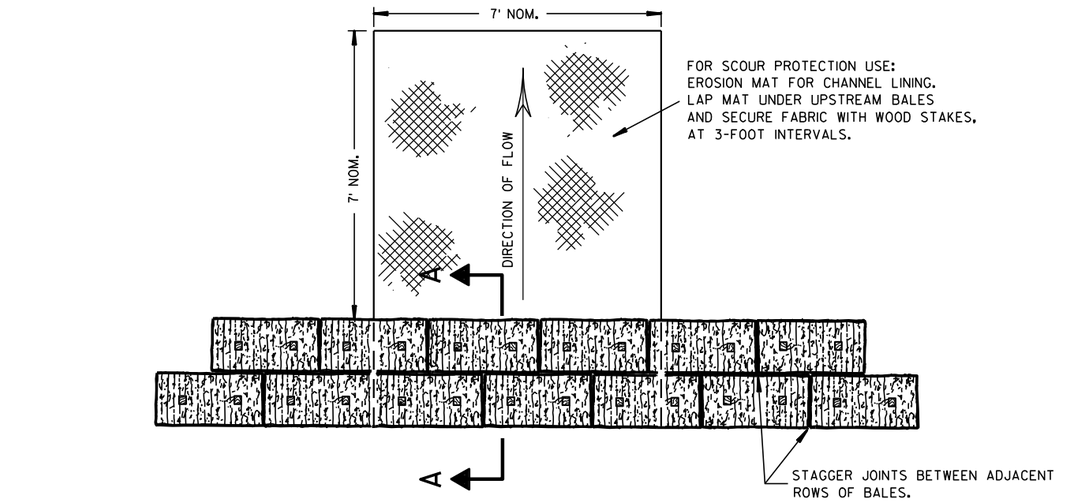
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
December 2017 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVE UNIT SUPERVISOR

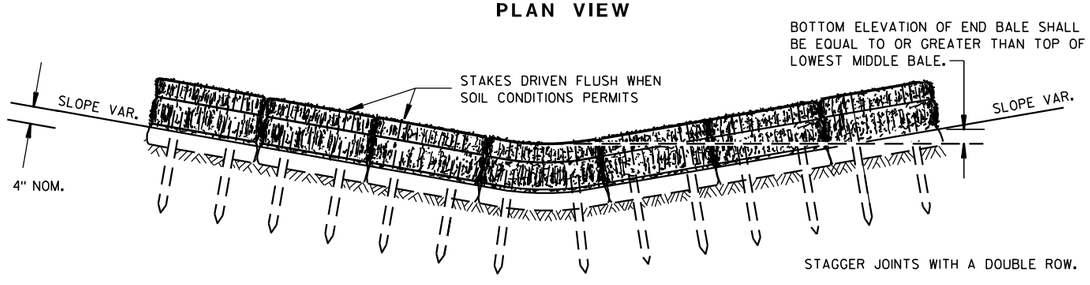
FHWA



SECTION A-A



PLAN VIEW



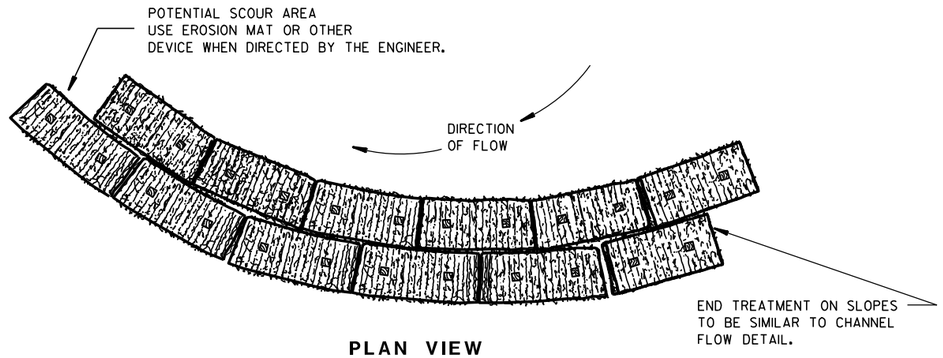
FRONT ELEVATION

TEMPORARY DITCH CHECK USING EROSION BALES ①

GENERAL NOTES

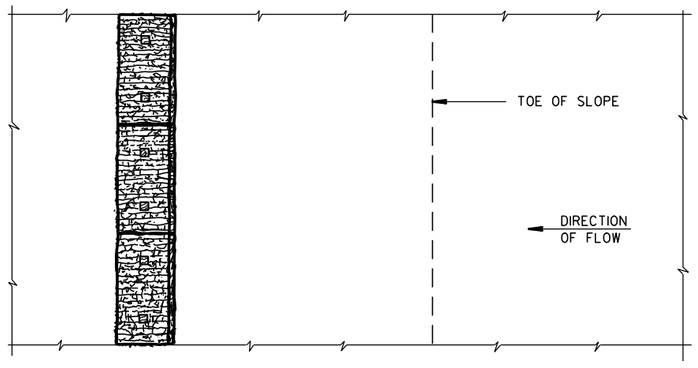
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

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.

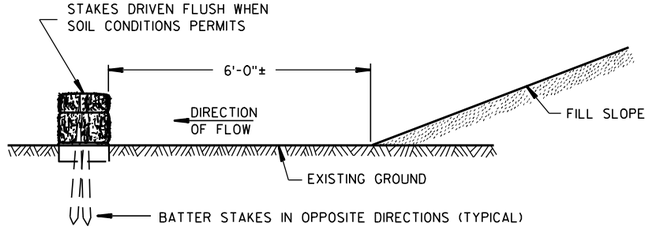


PLAN VIEW

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

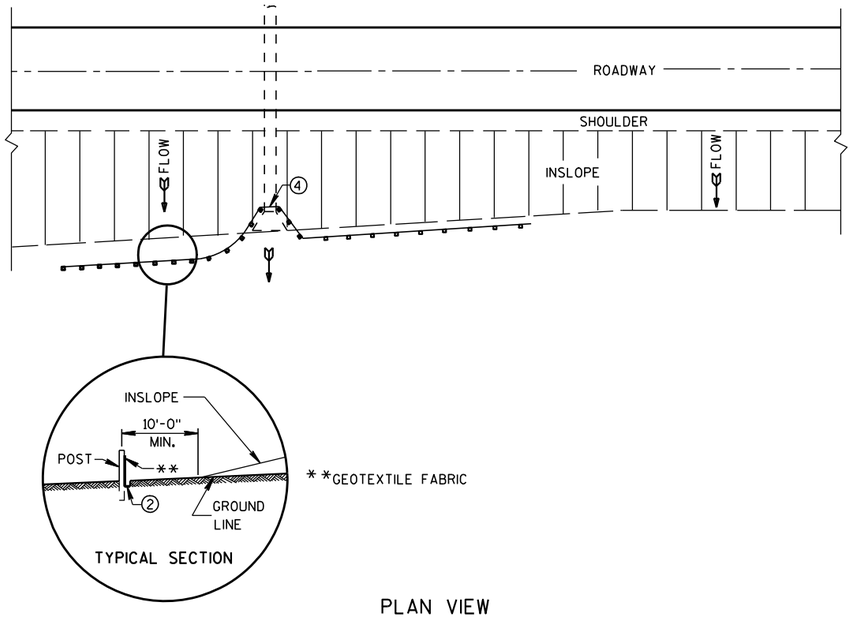
APPROVED
6/04/02 DATE
/S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

6

S.D.D. 8 E 8-3

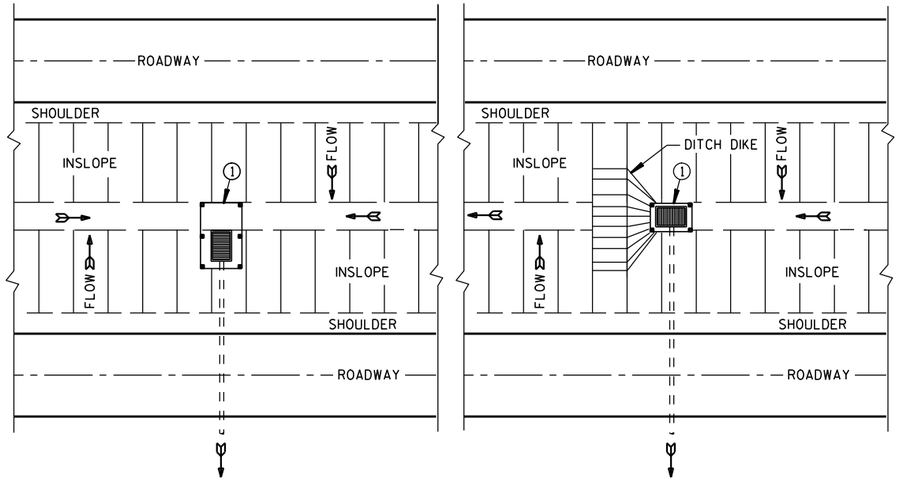
6

S.D.D. 8 E 8-3



PLAN VIEW

TYPICAL APPLICATION OF SILT FENCE



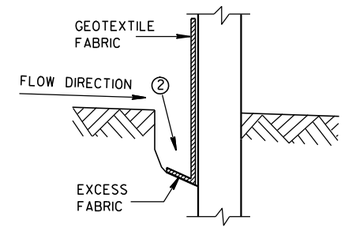
PLAN VIEW

SILT FENCE AT MEDIAN SURFACE DRAINS

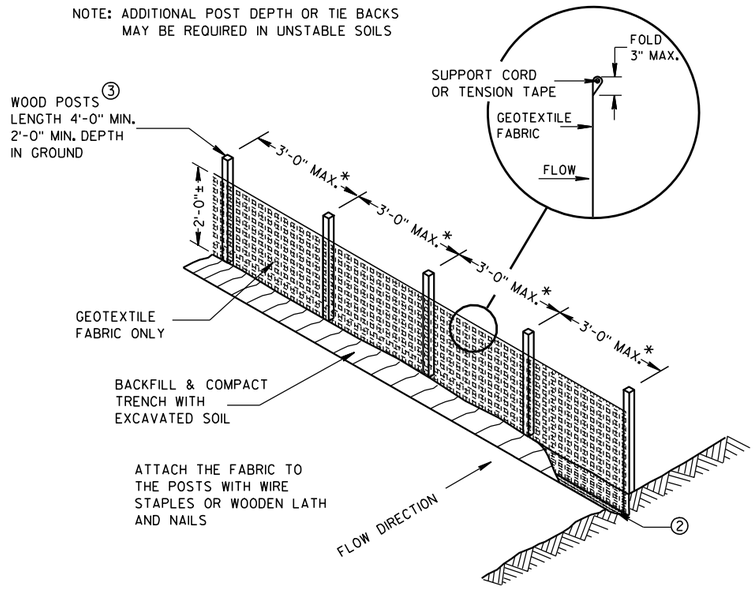
GENERAL NOTES

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

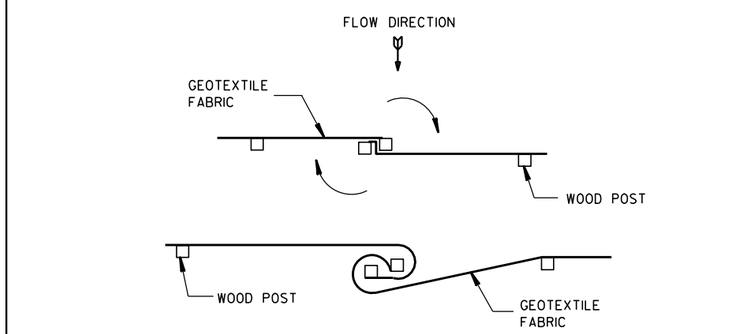
1. HORIZONTAL BRACE REQUIRED WITH 2" X 4" WOODEN FRAME OR EQUIVALENT AT TOP OF POSTS.
2. FOR MANUAL INSTALLATIONS THE TRENCH SHALL BE A MINIMUM OF 4" WIDE & 6" DEEP TO BURY AND ANCHOR THE GEOTEXTILE FABRIC. FOLD MATERIAL TO FIT TRENCH AND BACKFILL & COMPACT TRENCH WITH EXCAVATED SOIL.
3. WOOD POSTS SHALL 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.



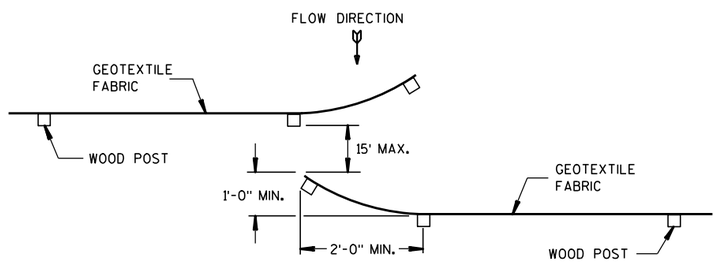
TRENCH DETAIL



SILT FENCE

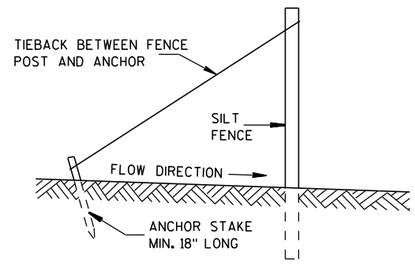


TWIST METHOD



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

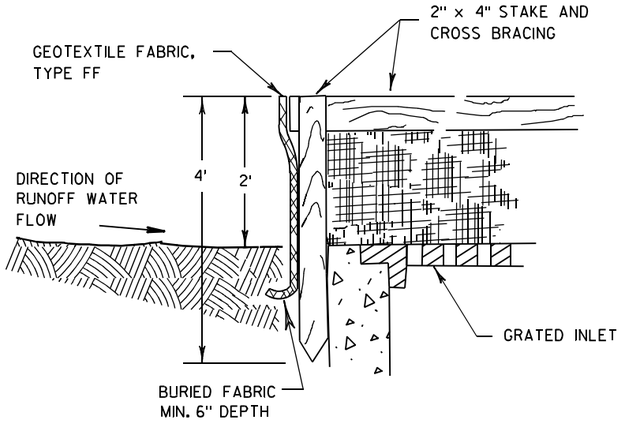
APPROVED
4-29-05 DATE
/S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

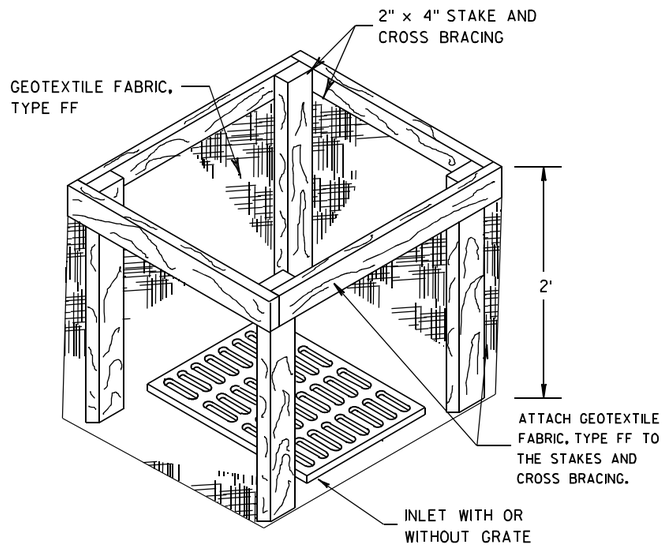
6

S.D.D. 8 E 9-6

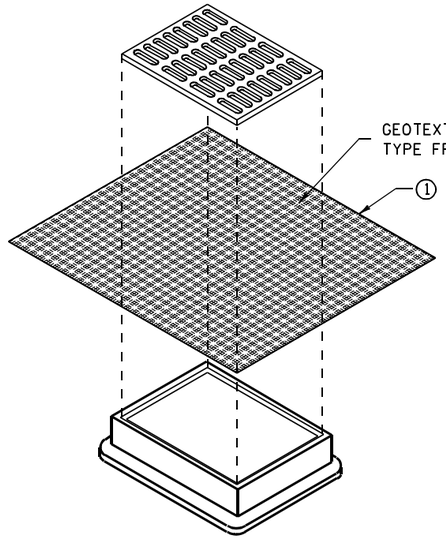
6

S.D.D. 8 E 9-6



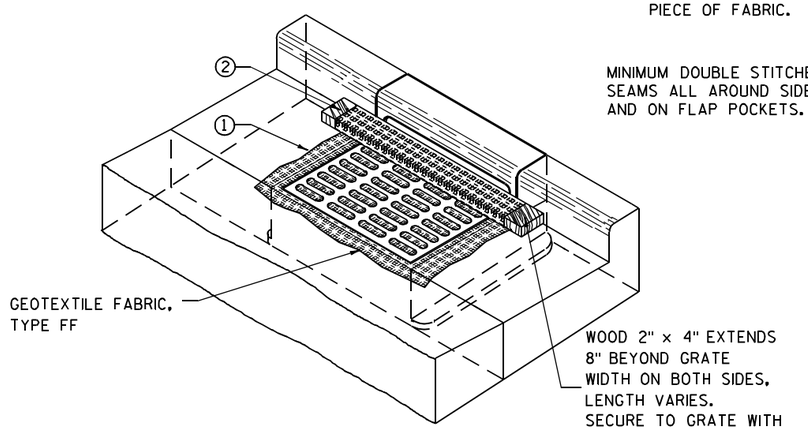


INLET PROTECTION, TYPE A

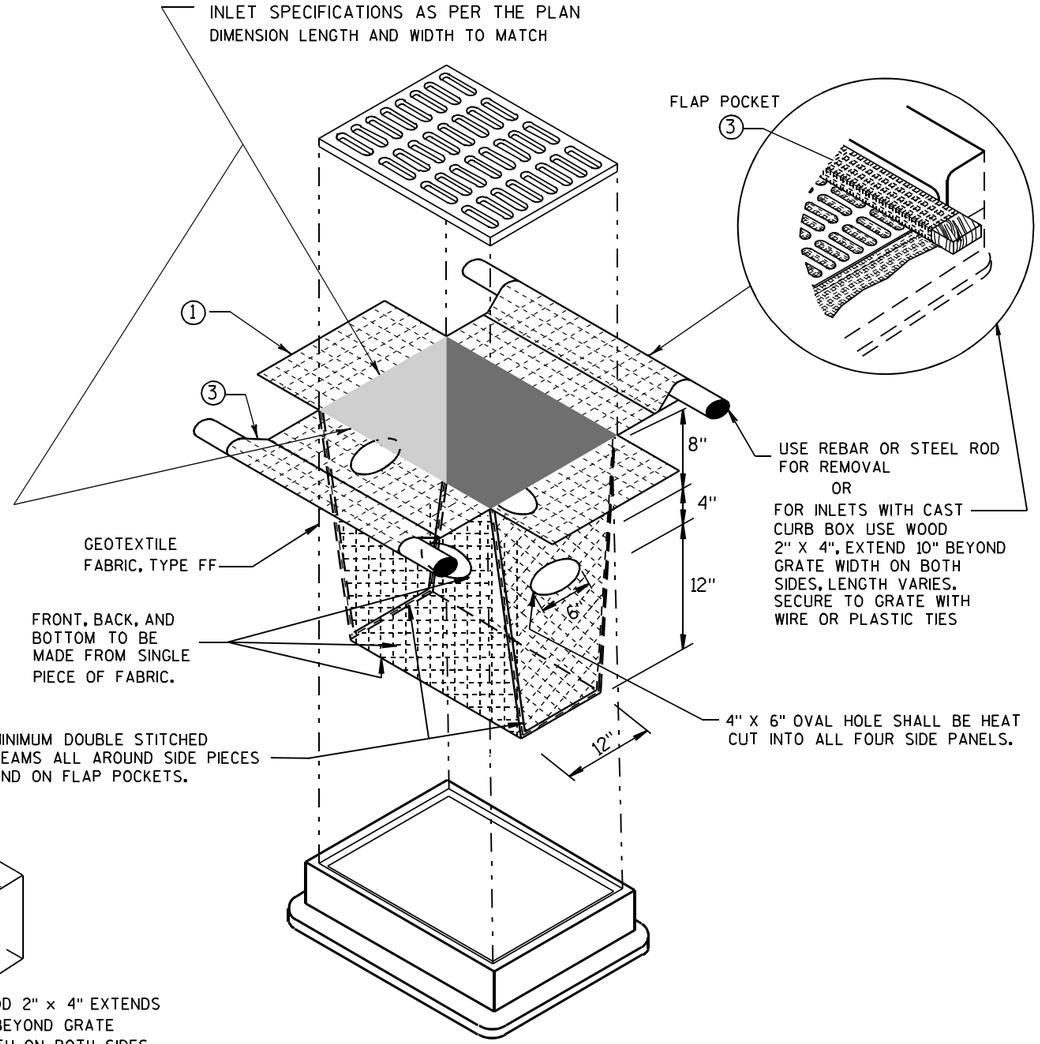


INLET PROTECTION, TYPE B
(WITHOUT CURB BOX)

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



INLET PROTECTION, TYPE C (WITH CURB BOX)



INLET PROTECTION, TYPE D

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

GENERAL NOTES

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

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

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

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

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

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

INSTALLATION NOTES

TYPE B & C

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

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

TYPE D

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

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

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

INLET PROTECTION
TYPE A, B, C, AND D

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

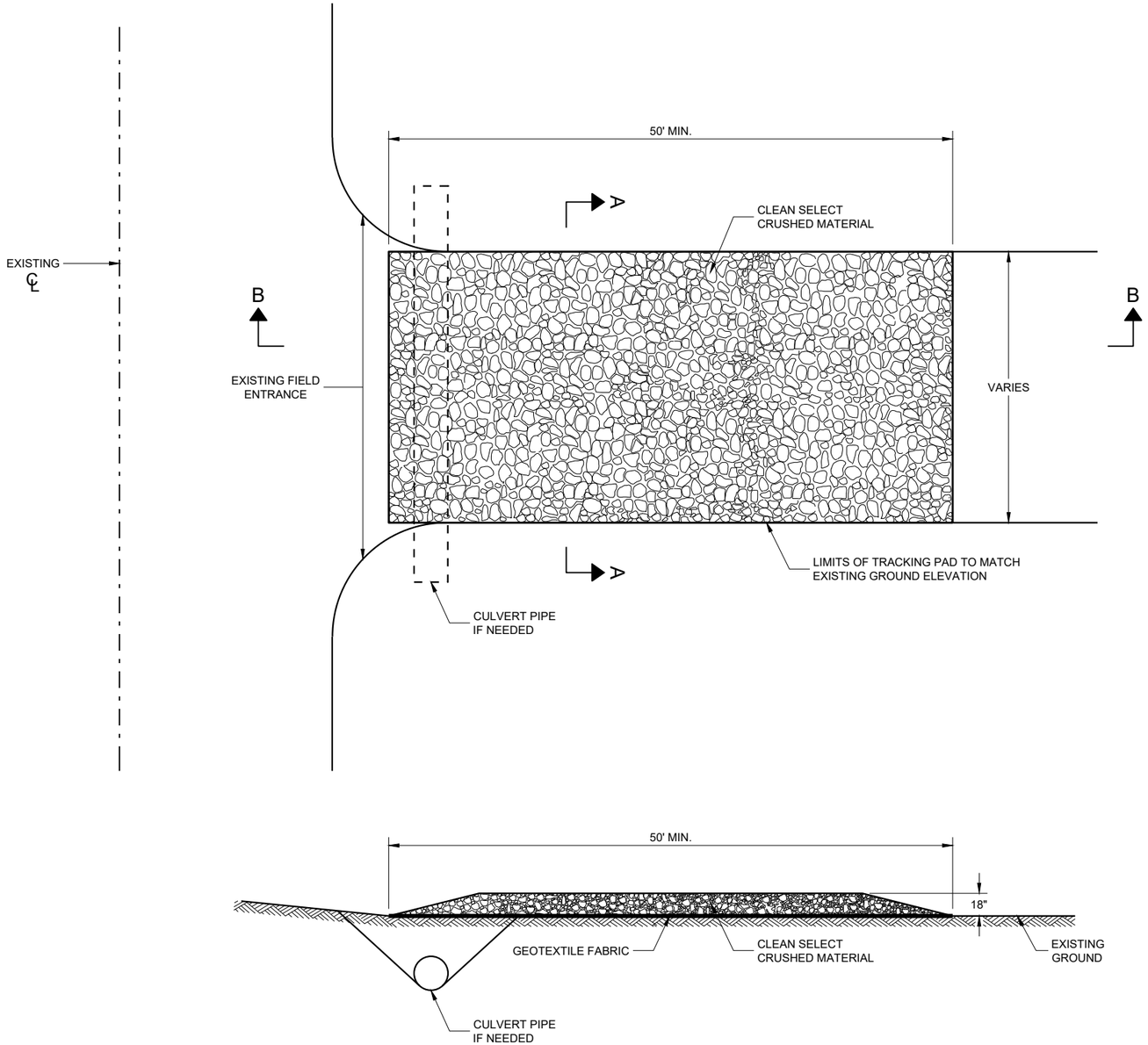
APPROVED
10/16/02
DATE
/S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

6

S.D.D. 8 E 10-2

6

S.D.D. 8 E 10-2



SECTION B - B

GENERAL NOTES

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

TRACKING PAD SHALL BE INSPECTED DAILY. DEFICIENT AREAS SHALL BE REPAIRED OR REPLACED IMMEDIATELY.

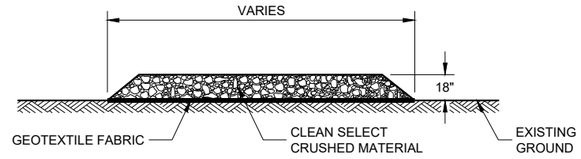
TRACKING PAD TO BE REMOVED AFTER CONSTRUCTION IS COMPLETED.

TRACKING PAD SHALL BE THE FULL WIDTH OF THE EGRESS POINT.

SURFACE WATER MUST BE PREVENTED FROM PASSING THROUGH THE TRACKING PAD. FLOWS SHALL BE DIVERTED AWAY, AROUND OR CONVEYED UNDER THE TRACKING PAD.

CULVERT PIPE OR OTHER BMP USED TO DIVERT WATER AWAY, AROUND OR UNDER THE TRACKING PAD SHALL BE DESIGNED TO CONVEY THE 2 YEAR - 24 HOUR EVENT.

THE COST OF ADDITIONAL BMP TO DIVERT WATER ARE INCIDENTAL TO THE TRACKING PAD BID ITEM.



SECTION A - A

6

SDD 08E14 - 01

TRACKING PAD

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

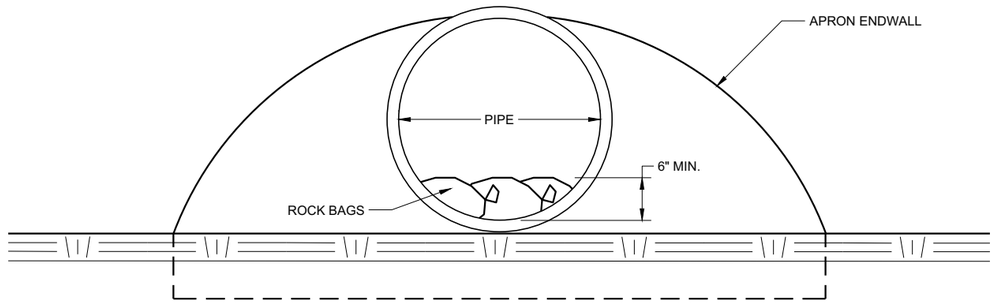
3/24/2011
DATE

/S/ Jerry H. Zogg
ROADWAY STANDARDS DEVE ENGINEER

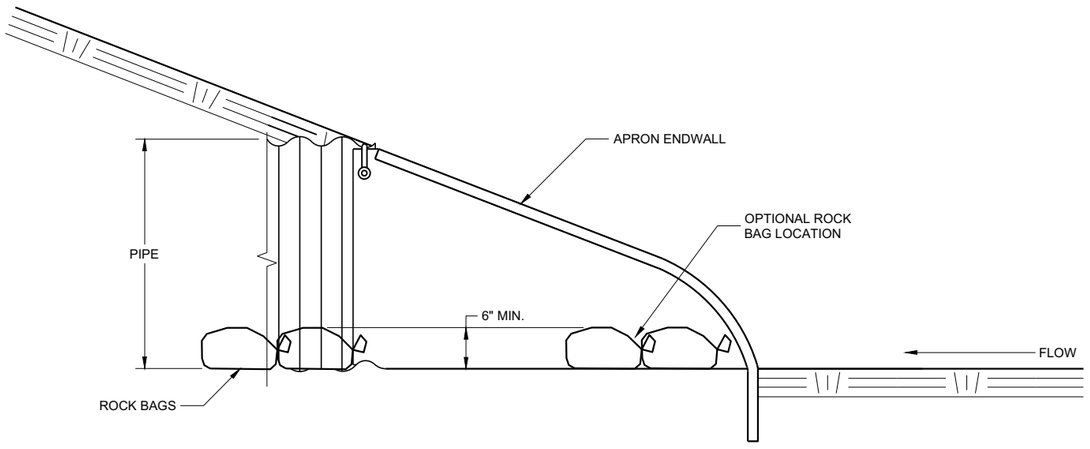
FHWA

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	423

6

SDD 08E15 - 01

6

SDD 08E15 - 01

METAL APRON ENDWALLS

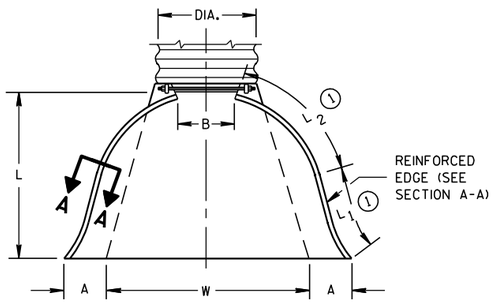
PIPE DIA. (IN.)	MIN. THICK. (Inches) STEEL	MIN. THICK. (Inches) ALUM.	DIMENSIONS (Inches) A (±1")	B (MAX.)	H (±1")	L (±1 1/2")	L1 ①	L2 ①	W (±2")	APPROX. SLOPE	BODY
12	.064	.060	6	6	6	21	12	17 1/2	24	2 1/2 to 1	1 Pc.
15	.064	.060	7	8	6	26	14	21 3/4	30	2 1/2 to 1	1 Pc.
18	.064	.060	8	10	6	31	15	28 1/4	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

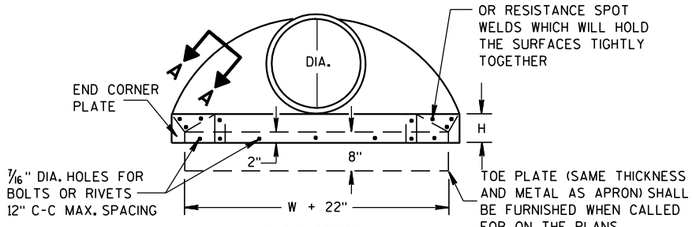
REINFORCED CONCRETE APRON ENDWALLS

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

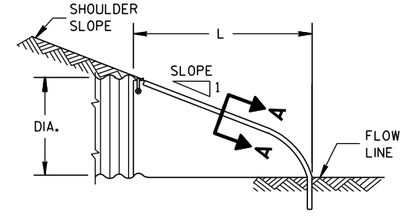
*MINIMUM
**MAXIMUM



PLAN VIEW

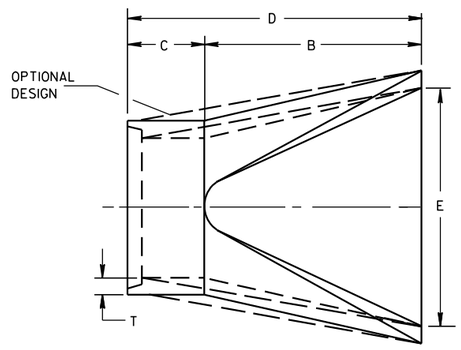


END VIEW

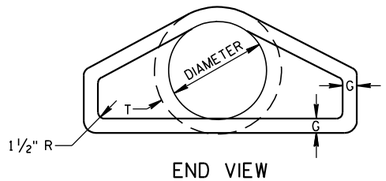


SIDE ELEVATION

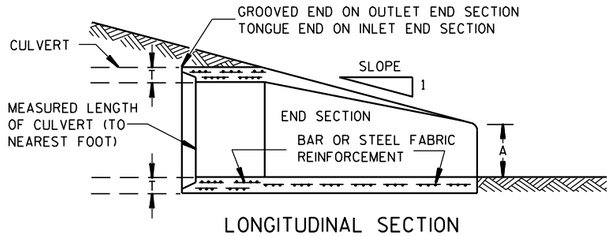
METAL ENDWALLS



PLAN

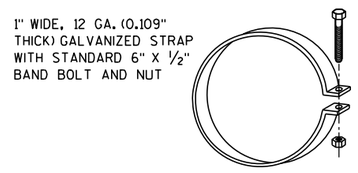


END VIEW



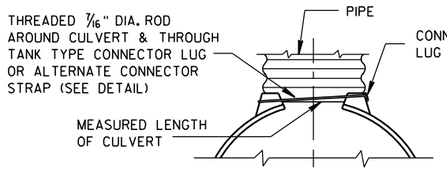
LONGITUDINAL SECTION

CONCRETE ENDWALLS

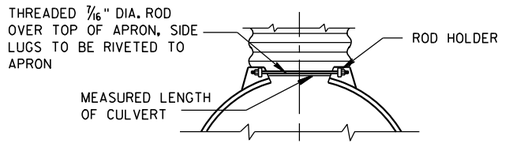


ALTERNATE FOR TYPE 1 CONNECTION

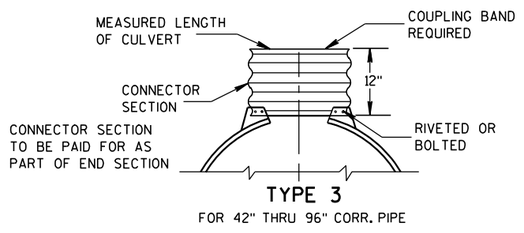
END SECTION CONNECTOR STRAP



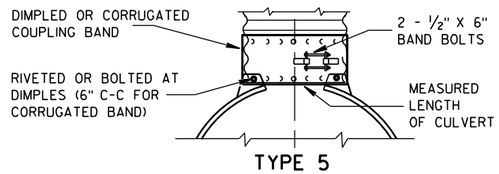
TYPE 1
FOR 12" THRU 24" CORR. PIPE



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

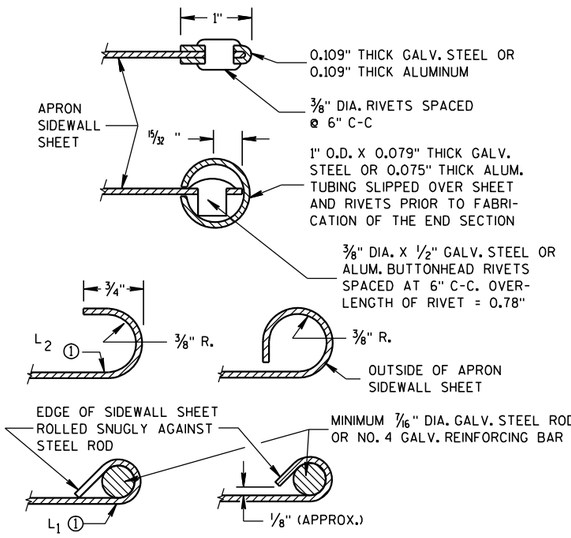
NOTE: DIMPLED BAND FITS OVER OUTSIDE OF ENDWALL. AND CORRUGATED BAND FITS INSIDE ENDWALL. DIMPLED BAND MAY BE USED WITH HELICALLY CORRUGATED PIPE.

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.

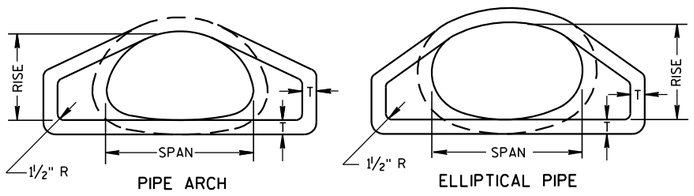
APRON ENDWALLS FOR CULVERT PIPE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

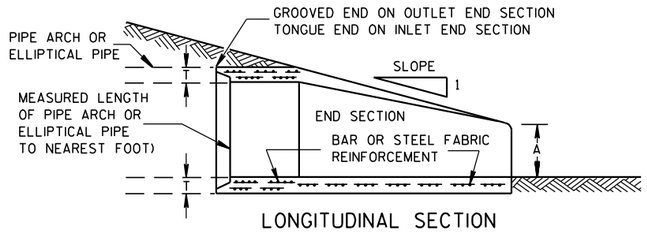
APPROVED
11/30/94 DATE
/S/ Rory L. Rhinesmith
CHIEF ROADWAY DEVELOP 424 NEER
FHWA

6

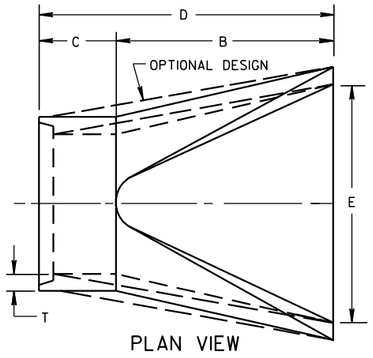
S.D.D. 8 F 1-11



END VIEW

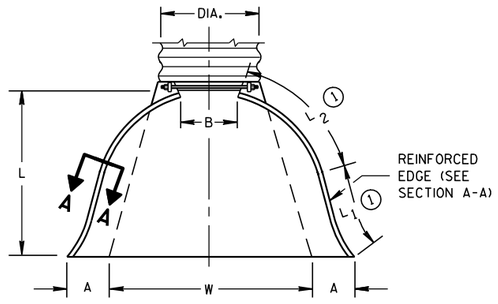


LONGITUDINAL SECTION

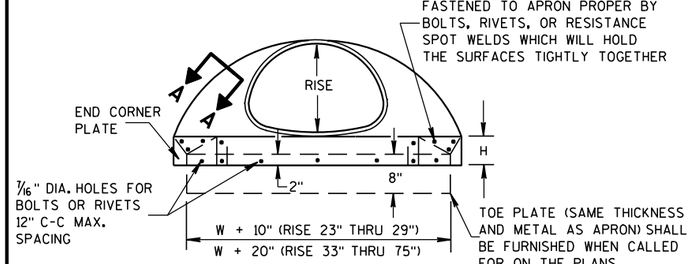


PLAN VIEW

CONCRETE ENDWALLS

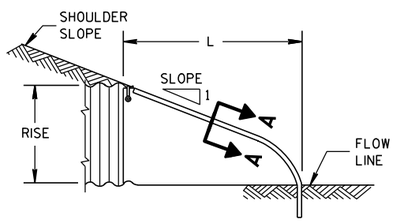


PLAN VIEW



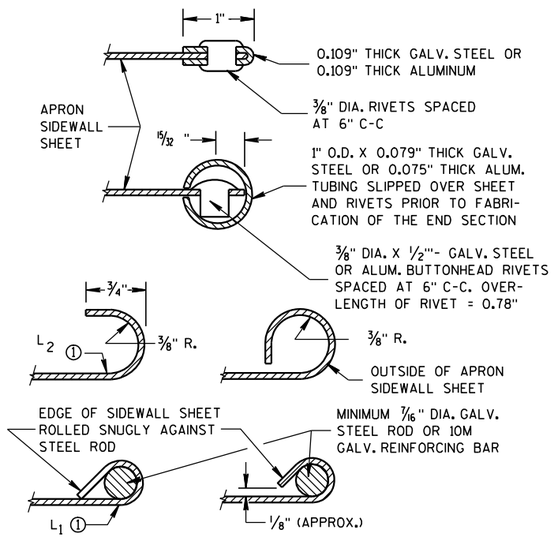
END CORNER PLATES MAY BE FASTENED TO APRON PROPER BY BOLTS, RIVETS, OR RESISTANCE SPOT WELDS WHICH WILL HOLD THE SURFACES TIGHTLY TOGETHER

END VIEW



SIDE ELEVATION

METAL ENDWALLS



SECTION A-A

2- 2/3" X 1/2" CORRUGATIONS

EQUIV. DIA. (Inches)	(Inches) SPAN	(Inches) RISE	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
15	17	13	.064	.060	7	9	6	19	14	16	30	2½ to 1	1 Pc.
18	21	15	.064	.060	7	10	6	23	14	19⅜	36	2½ to 1	1 Pc.
21	24	18	.064	.060	8	12	6	28	18	21¾	42	2½ to 1	1 Pc.
24	28	20	.064	.060	9	14	6	32	18	27½	48	2½ to 1	1 Pc.
30	35	24	.079	.075	10	16	6	39	18	37⅝	60	2½ to 1	1 Pc.
36	42	29	.079	.075	12	18	8	46	24	45⅜	75	2½ to 1	1 Pc.
42	49	33	.109	.105	13	21	9	53	24	54¾	85	2½ to 1	2 Pc.
48	57	38	.109	.105	18	26	12	63	24	68	90	2½ to 1	3 Pc.
54	64	43	.109	.105	18	30	12	70	24	72¾	102	2¼ to 1	3 Pc.
60	71	47	.109*	.105*	18	33	12	77	30	82¼	114	2¼ to 1	3 Pc.
66	77	52	.109*	.105*	18	36	12	77	—	—	126	2 to 1	3 Pc.
72	83	57	.109*	.105*	18	39	12	77	—	—	138	2 to 1	3 Pc.

3" X 1" CORRUGATIONS

EQUIV. DIA. (Inches)	(Inches) SPAN	(Inches) RISE	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
48	53	41	.109	.105	18	26	12	63	24	72¾	90	2½ to 1	2 Pc.
54	60	46	.109	.105	18	30	12	70	30	82¼	102	2 to 1	2 Pc.
60	66	51	.109*	.105*	18	33	12	77	—	—	114	1½ to 1	3 Pc.
66	73	55	.109*	.105*	18	36	12	77	—	—	126	1½ to 1	3 Pc.
72	81	59	.109*	.105*	18	39	12	77	—	—	138	2 to 1	3 Pc.
78	87	63	.109*	.105*	22	38	12	77	—	—	148	1½ to 1	3 Pc.
84	95	67	.109*	.105*	22	34	12	77	—	—	162	1½ to 1	3 Pc.
90	103	71	.109*	.105*	22	38	12	77	—	—	174	1½ to 1	3 Pc.
96	112	75	.109*	.105*	24	40	12	77	—	—	174	1½ to 1	3 Pc.

NOTE: ALL SPLICES TO BE LAP RIVETED OR BOLTED.

* EXCEPT CENTER PANEL SEE GENERAL NOTES

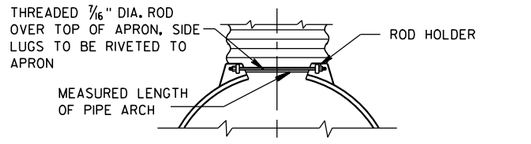
REINFORCED CONCRETE PIPE ARCH

EQUIV. DIA. (Inches)	DIMENSIONS (Inches) ** SPAN	** RISE	T	A	B	C	D	E	APPROX. SLOPE
24	29	18	3	8½	39	33	72	48	3 to 1
30	36	22	3½	9½	50	46	96	60	3 to 1
36	44	27	4	11⅛	60	36	96	72	3 to 1
42	51	31	4½	15 13/16	60	36	96	78	3 to 1
48	58	36	5	21	60	36	96	84	3 to 1
54	65	40	5½	25½	60	36	96	90	3 to 1
60	73	45	6	31	60	36	96	96	3 to 1
72	88	54	7	31	60	39	99	120	2 to 1
84	102	62	8	28½	83	19	102	144	2 to 1

REINFORCED CONCRETE ELLIPTICAL PIPE

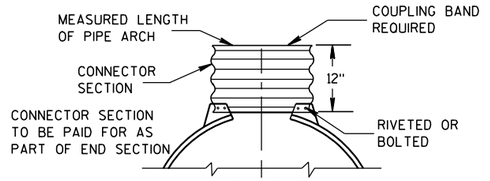
EQUIV. DIA. (Inches)	DIMENSIONS (Inches) ** SPAN	** RISE	T	A	B	C	D	E	APPROX. SLOPE
24	30	19	3¼	8½	39	33	72	48	3 to 1
30	38	24	3¾	9½	54	18	72	60	3 to 1
36	45	29	4½	11⅛	60	24	84	72	2½ to 1
42	53	34	5	15¾	60	36	96	78	2½ to 1
48	60	38	5½	21	60	36	96	84	2½ to 1
54	68	43	6	25½	60	36	96	90	2½ to 1
60	76	48	6½	30	60	36	96	96	2½ to 1

**NOMINAL SIZE



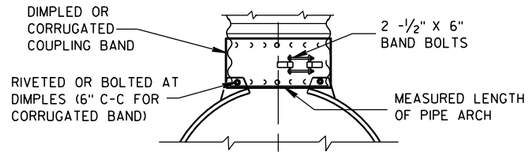
TYPE 2

FOR 17" X 13" THRU 112" X 75" PIPE ARCH



TYPE 3

FOR 64" X 43" THRU 112" X 75" PIPE ARCH



TYPE 5

ALTERNATE FOR:

ALL SIZES CORRUGATED PIPE ARCHES

NOTE: DIMPLED BAND FITS OVER OUTSIDE OF ENDWALL, AND CORRUGATED BAND FITS INSIDE ENDWALL.

CONNECTION DETAILS

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 APRON ENDWALLS MAY NOT BE USED WITH GALVANIZED STEEL OR ALUMINUM CULVERT PIPE OR VISE VERSA. GALVANIZED STEEL OR ALUMINUM APRON ENDWALLS SHALL NORMALLY BE INSTALLED ON CULVERT PIPE OF THE SAME METAL.

ALL THREE PIECE STEEL APRON ENDWALLS FOR 66" X 51" PIPE ARCH AND LARGER SHALL HAVE 0.109" SIDES AND 0.138" CENTER PANELS. ALL THREE PIECE ALUMINUM APRON ENDWALLS FOR 66" X 51" PIPE ARCH 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 ARCH 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 77" X 52" THROUGH 112" X 75" 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 ARCH SIZES UP TO 73" X 55" A 180° ROLLED EDGE MAY BE USED INSTEAD OF STEEL ROD REINFORCEMENT. SEE SECTION A-A.

APRON ENDWALLS FOR PIPE ARCH AND ELLIPTICAL PIPE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

11/30/94 — DATE

/S/ Rory L. Rhinesmith — CHIEF ROADWAY DEVELOPMENT ENGINEER

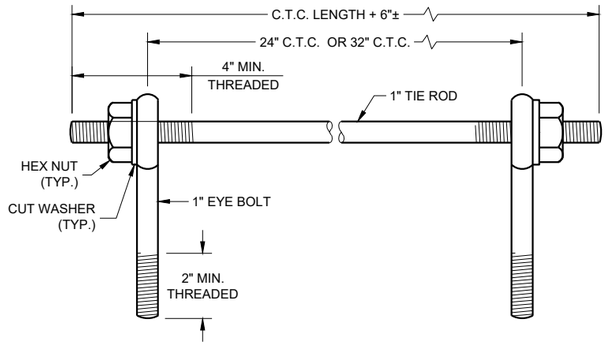
FHWA

6

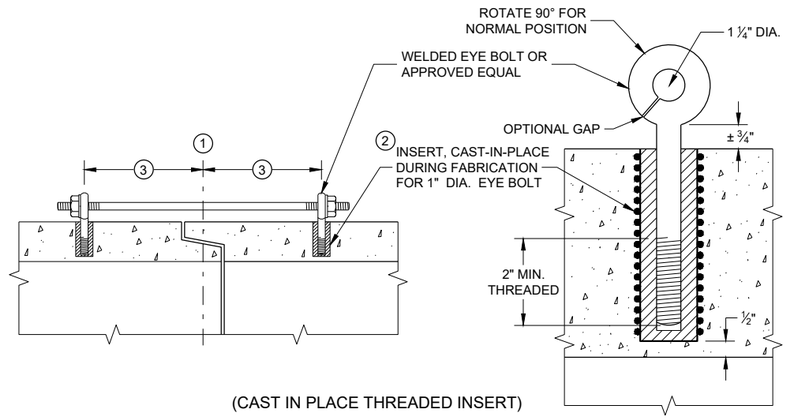
S.D.D. 8 F 2-1

6

S.D.D. 8 F 2-1



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.

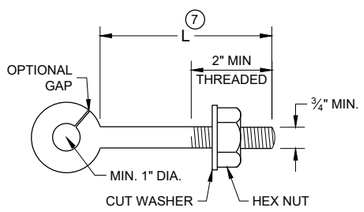
(3) HOLES SHALL BE CAST-IN-PLACE OR DRILLED PER THE APPLICABLE DETAIL, AND EQUAL DISTANCE FROM THE CENTERLINE OF THE JOINT.

(4) BOLT PROJECTION INSIDE OF PIPE SHALL NOT EXCEED 2 INCHES.

(5) OPENING TO BE ROD DIAMETER PLUS 1 INCH.

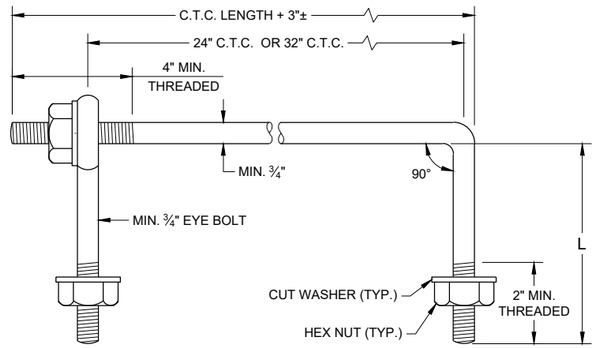
(6) LENGTH ADEQUATE TO EXTEND TO WITHIN ½ INCH OF THE INNER SURFACE OF THE PIPE.

(7) EYE BOLT LENGTH DETERMINED BY WALL THICKNESS, BELL THICKNESS AND BOLT PROJECTION INSIDE PIPE.

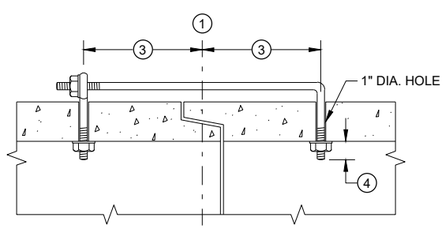


EYE BOLT (7)

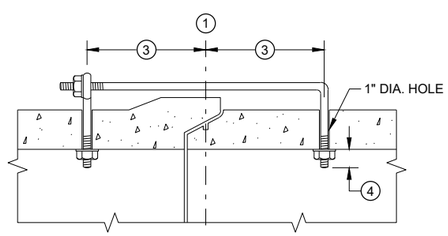
NOTE: TWO EYE BOLTS MAY BE USED WITH A 30" OR 38" LONG THREADED ROD IN LIEU OF THE 90° BENT TIE ROD.



EYE BOLT AND TIE ROD



(TONGUE AND GROOVE PIPE)



(MODIFIED BELL PIPE)

LONGITUDINAL SECTION

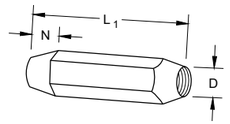
(JOINT TIES FOR 18" TO 66" DIA. CONCRETE PIPE)

EYE BOLT AND TIE ROD ASSEMBLY (ALTERNATE NO. 2)

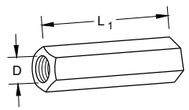
ADJUSTABLE TIE ROD TABLE

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



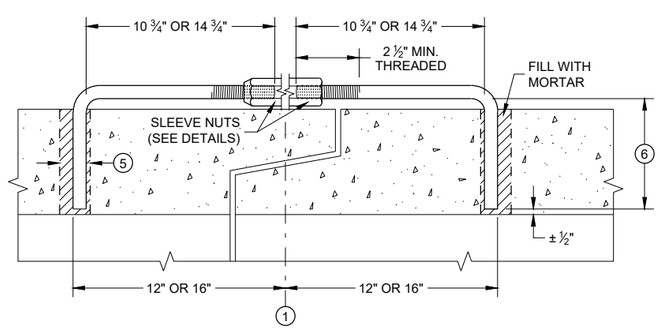
TAPERED



PLAIN

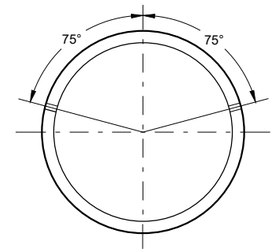
RIGHT AND LEFT THREADS

SLEEVE NUTS



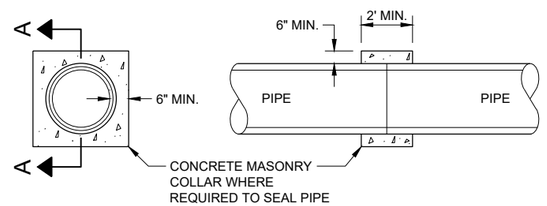
LONGITUDINAL SECTION

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

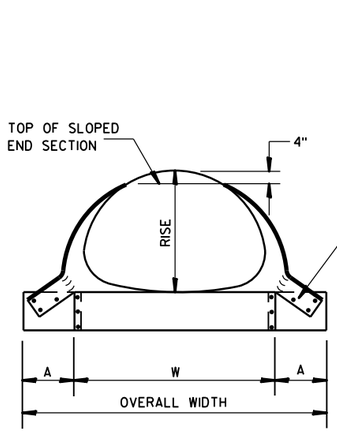
JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

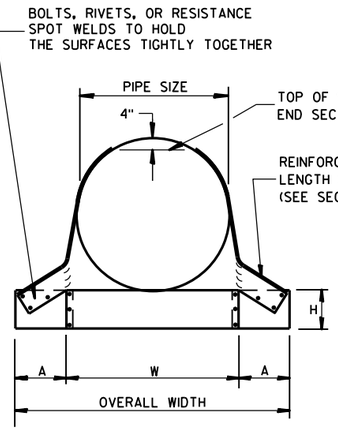
APPROVED
November 2021 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVE ENGINEER
FHWA

SDD 08F04 - 08

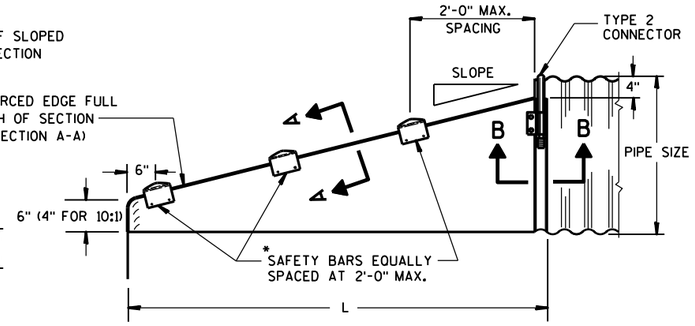
SDD 08F04 - 08



FRONT VIEW



FRONT VIEW



SIDE VIEW

GENERAL NOTES

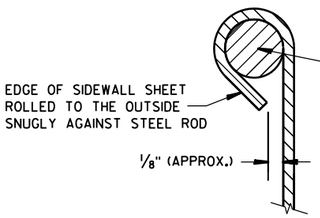
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

SLOPED END SECTIONS SHALL CONFORM TO THE REQUIREMENTS OF THE STANDARD SPECIFICATIONS, SECTION 521 FOR STEEL APRON ENDWALLS.

SAFETY BARS SHALL BE FABRICATED FROM GALVANIZED STEEL PIPE MEETING THE REQUIREMENTS OF ASTM A-53, GRADE B, SCHEDULE 40 OR APPROVED EQUAL.

STEEL APRON ENDWALLS FOR CULVERT PIPE
SLOPED SIDE DRAINS

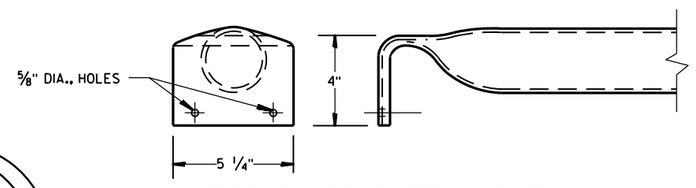
PIPE DIA. (IN.)	MIN. THICK. (Inches)	DIMENSIONS (Inches)				L DIMENSIONS					
		A	H	W	OVERALL WIDTH	SLOPE	LENGTH INCHES	SLOPE	LENGTH INCHES	SLOPE	LENGTH INCHES
15	.064	8	6	21	37	4:1	20	6:1	30	10:1	70
18	.064	8	6	24	40	4:1	32	6:1	48	10:1	100
21	.064	8	6	27	43	4:1	44	6:1	66	10:1	130
24	.064	8	6	30	46	4:1	56	6:1	84	10:1	160
30	.109	12	9	36	60	4:1	80	6:1	120	10:1	220
36	.109	12	9	42	66	4:1	104	6:1	156	10:1	280
42	.109	16	12	48	80	4:1	128	6:1	192	——	——
48	.109	16	12	54	86	4:1	152	6:1	228	——	——
54	.109	16	12	60	92	4:1	176	6:1	264	——	——
60	.109	16	12	66	98	4:1	200	6:1	300	——	——



SECTION A-A

*NOTE:
THREE SAFETY BARS ARE SHOWN. ACTUAL NUMBER OF BARS REQUIRED AT A 2'-0" C-C MAX. SPACING WILL VARY DEPENDING ON THE LENGTH OF THE END SECTION.

3" GALVANIZED PIPE. FLATTEN ENDS, THEN BEND OUTSIDE 4" TO MATCH END SECTION SIDES.

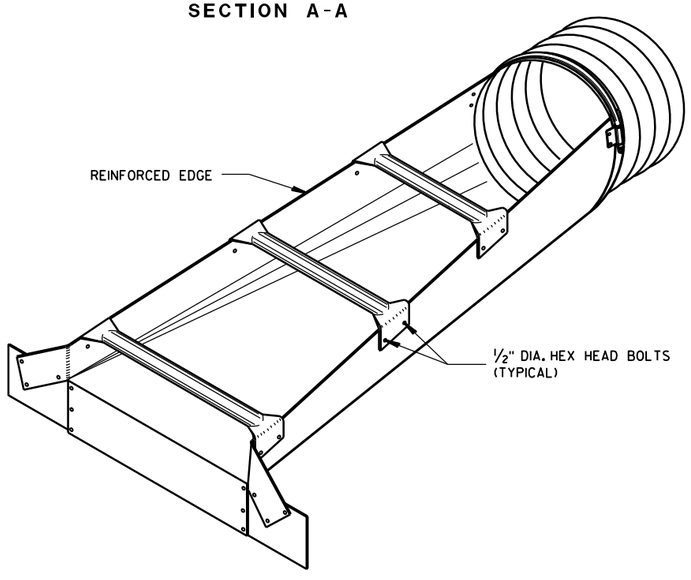


DETAIL OF SAFETY BAR

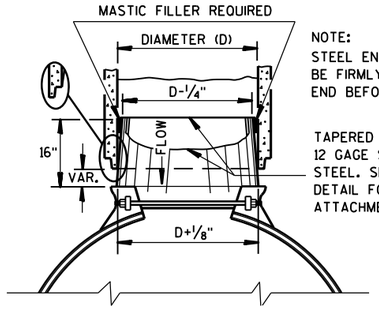
STEEL APRON ENDWALLS FOR PIPE ARCH
SLOPED SIDE DRAINS

EQUIV. DIA. (Inches)	(Inches) SPAN	(Inches) RISE	MIN. THICK. (Inches) ①	DIMENSIONS (Inches) A	H	W	OVERALL WIDTH	L DIMENSIONS SLOPE	LENGTH INCHES	SLOPE	LENGTH INCHES	SLOPE	LENGTH INCHES
15	17	13	.064 *	7	6	30	44	4:1	19	6:1	30	10:1 ②	70
18	21	15	.064 *	8	6	27	43	4:1	20	6:1	30	10:1	70
21	24	18	.064 *	8	6	30	46	4:1	32	6:1	48	10:1	100
24	28	20	.064 *	8	6	34	50	4:1	40	6:1	60	10:1	120
30	35	24	.079 *	12	9	41	65	4:1	56	6:1	84	10:1	160
36	42	29	.109 *	12	9	48	72	4:1	76	6:1	114	10:1	210
42	49	33	.109	16	12	55	87	4:1	92	6:1	138	——	——
48	57	38	.109	16	12	63	95	4:1	112	6:1	168	——	——
54	64	43	.109	16	12	70	102	4:1	132	6:1	198	——	——

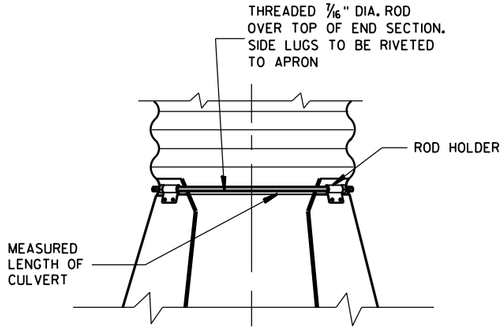
① * MINIMUM THICKNESS OF ALL 10:1 SLOPED SIDE DRAINS IS 0.109".
② ACTUAL SLOPE GREATER THAN 10:1.



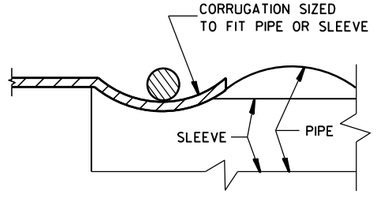
ISOMETRIC VIEW



STEEL ADAPTER SLEEVE FOR CONCRETE PIPE



TYPE 2
CONNECTION DETAIL



SECTION B-B

STEEL APRON ENDWALLS FOR CULVERT PIPE AND PIPE ARCH SLOPED SIDE DRAINS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

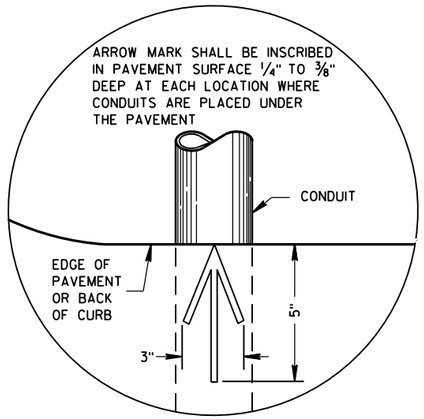
APPROVED
9/14/2012 — DATE
/S/ Jerry H. Zoda — ROADWAY STANDARDS DEVELOPMENT ENGINEER
FHWA

6

S.D.D. 8 F 7-5

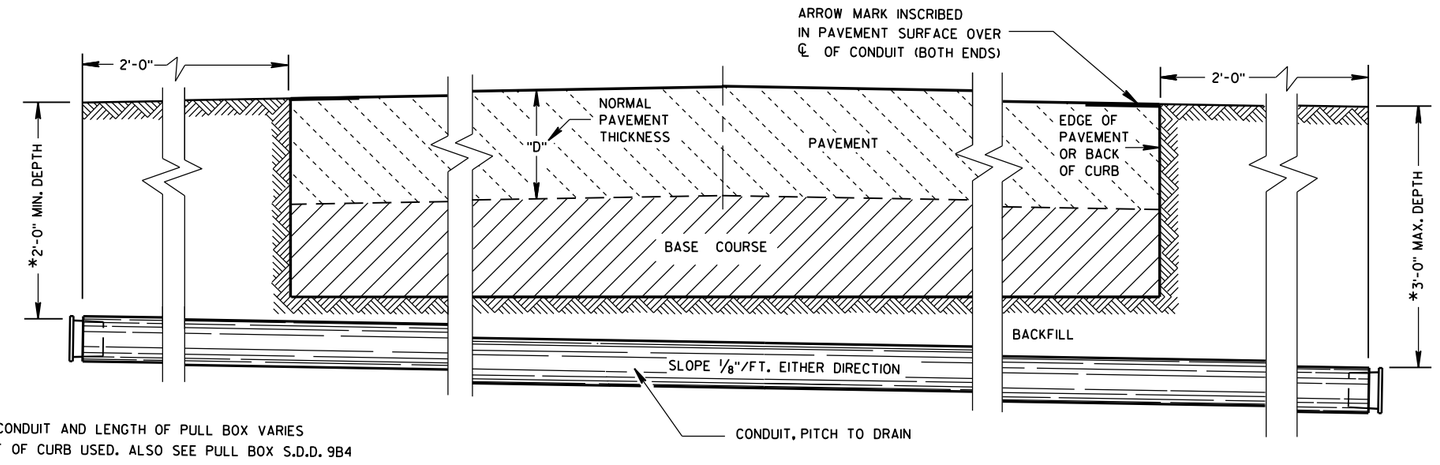
6

S.D.D. 8 F 7-5



PLAN VIEW

ARROW MARK



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

SIDE ELEVATION

DETAIL FOR CONDUIT UNDER PAVED HIGHWAYS

GENERAL NOTES

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

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

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

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

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

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

ALL METALLIC CONDUIT RACEWAY ENDS SHALL BE REAMED AND THREADED.

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

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

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

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

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

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

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

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

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

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

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

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

CONDUIT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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

6

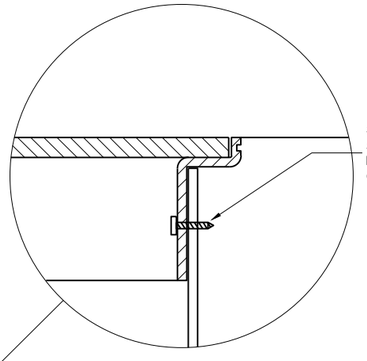
S.D.D. 9 B 2-10

TABLE OF NOMINAL DIMENSIONS
AND WEIGHTS

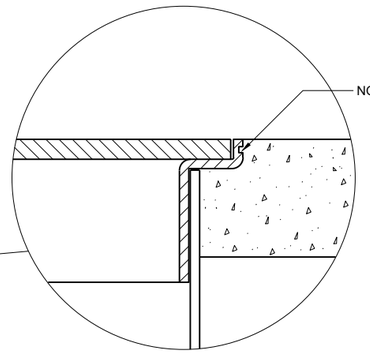
DIMENSION IN INCHES		NON- CONDUCTIVE PULL BOX	
BOX DIAMETER ** (INSIDE)	A	24	24
BOX OVERALL OUTSIDE DIAMETER	B	27	27
BOX LENGTH	C	36	42
FRAME OPENING	D	22 ½	22 ½
WEIGHT IN POUNDS *			
COVER		50	50
BOX ONLY		75	85

*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".

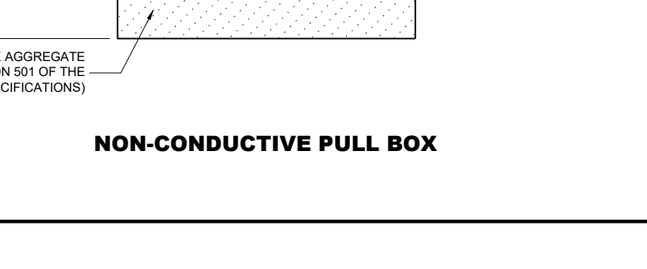
THE CONTRACTOR SHALL NOT INSTALL WIRE IN ANY PULL BOX UNTIL ITS INSTALLATION HAS BEEN INSPECTED AND ACCEPTED BY THE ENGINEER.

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

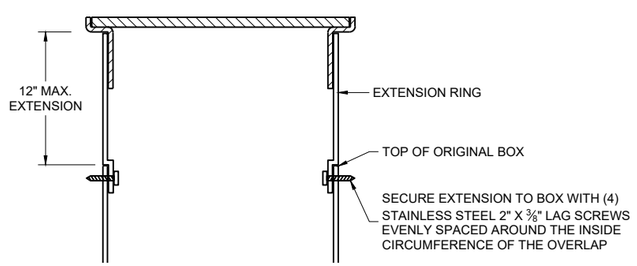
ENTIRE BOX MUST BE CONSTRUCTED OF NON-CONDUCTIVE MATERIALS WITH THE EXCEPTION OF STAINLESS STEEL FASTENERS AND MAGNETIC LOCATABLE DEVICE.

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.

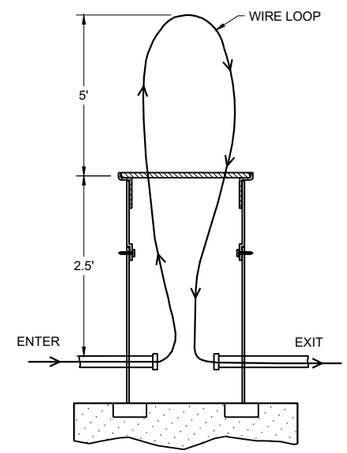
LABEL ON COVER SHALL READ "ELECTRIC" FOR SIGNAL AND LIGHTING SYSTEMS, "WISDOT ITS" FOR COMMUNICATIONS AND ITS EQUIPMENT SYSTEMS.



NON-CONDUCTIVE PULL BOX



BOX EXTENSION



MEASUREMENT DETAIL FOR WIRE/CABLE IN THE PULL BOX

PULL BOXES NON-CONDUCTIVE

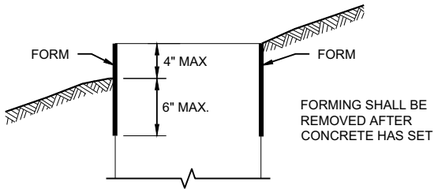
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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

FHWA

6
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.

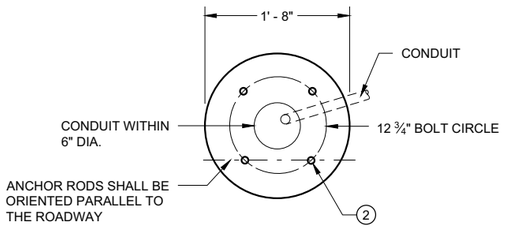
WASHERS AND LOCK WASHERS ARE REQUIRED ON ALL ANCHOR RODS.

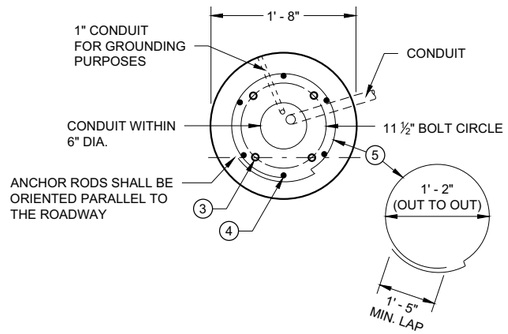
WHEN ANCHOR RODS USING THE ALTERNATE "L" BEND ARE FURNISHED, THE 4 INCH"L" BEND SHALL BE IN ADDITION TO THE SPECIFIED ANCHOR ROD BAR LENGTH. THE "L" BEND SHALL NOT BE THREADED.

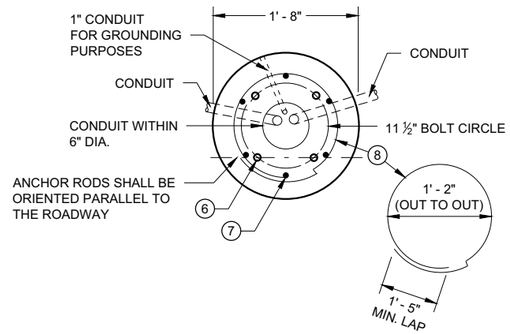
ANCHOR RODS SHALL BE INSTALLED WITH MISALIGNMENTS OF LESS THAN 1:40 FROM VERTICAL.

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

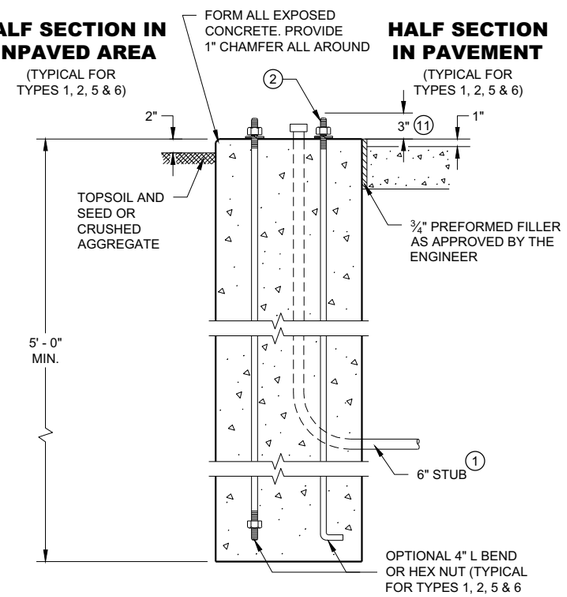
10 ⅝" DIA. X 8' -0" COPPERCLAD EQUIPMENT GROUNDING ELECTRODE REQUIRED

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.

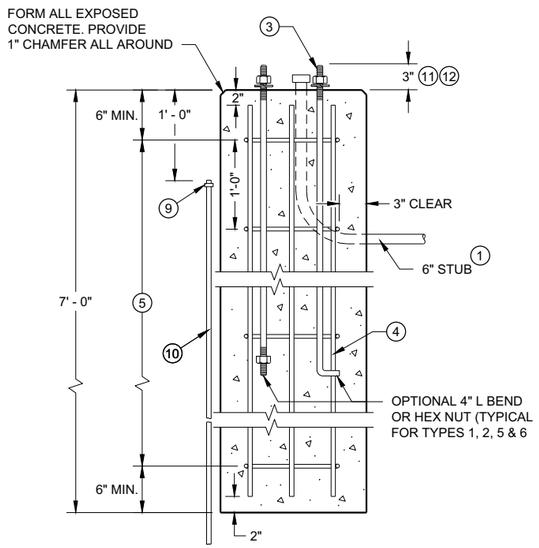
12 FOR NON - BREAKAWAY INSTALLATIONS, 4 ½" ± ANCHOR ROD PROJECTION WITH THE USE OF LEVELING NUTS. RODENT SCREEN REQUIRED.

HALF SECTION IN UNPAVED AREA
(TYPICAL FOR TYPES 1, 2, 5 & 6)

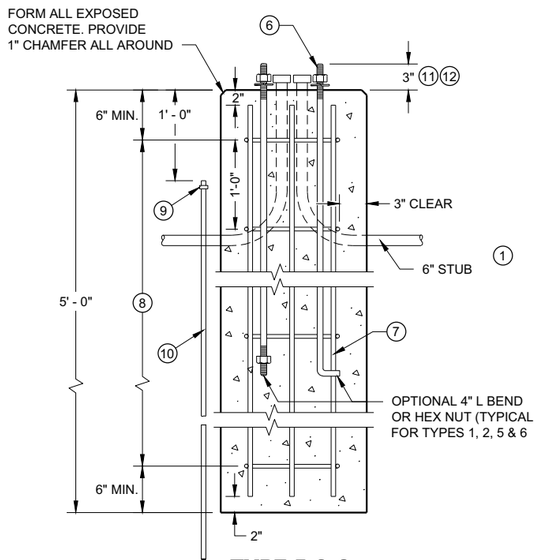
HALF SECTION IN PAVEMENT
(TYPICAL FOR TYPES 1, 2, 5 & 6)



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 430

FHWA

GENERAL NOTES

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

FOUR (4) BOLTS SHALL BE FURNISHED WITH EACH TRANSFORMER BASE. BOLTS SHALL BE 1" DIAMETER, 4" IN LENGTH, WITH WASHERS, LOCK WASHERS AND NUTS. BOLTS, NUTS AND WASHERS SHALL BE MANUFACTURED IN ACCORDANCE WITH SECTION 531.2.2 OF THE STANDARD SPECIFICATIONS.

LEVELING SHIMS, IF NEEDED, SHALL BE DESIGNED FOR THE PURPOSE AND USED UNDER CAST BASES WHEN PLUMBING POLES OR STANDARDS DURING INSTALLATION. THE USE OF WASHERS IN LIEU OF PROPER LEVELING SHIMS IS NOT ACCEPTABLE.

SHIM LENGTH SHALL BE LONG ENOUGH TO COMPLETELY COVER THE AREA UNDER THE LENGTH AND WIDTH OF THE BASE MOUNTING FLANGE.

DOUBLE NUTTING IS NOT ACCEPTABLE FOR LEVELING OR MOUNTING PURPOSES.

A NEMA APPROVED, U.L. LISTED, COPPER WITH BRASS OR STAINLESS STEEL SET SCREW, DIRECT BURY RATED, MECHANICAL CONNECTOR (LUG), SIZED TO ACCEPT AWG. #10 TO #4 COPPER STRANDED WIRE SHALL BE FURNISHED AND INSTALLED IN THE PEDESTAL AND TRANSFORMER BASES.

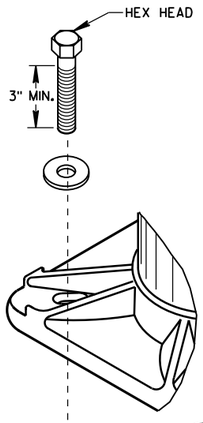
THE MECHANICAL CONNECTOR SHALL BE INSTALLED USING A 1/4" - 20 (TPI) STAINLESS STEEL HEX HEAD BOLT OF SUFFICIENT LENGTH TO FIRMLY ATTACH THE LUG TO THE BASE.

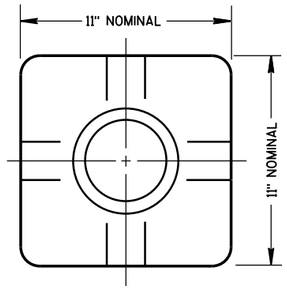
SHOULD THE MANNER OF ATTACHMENT OF THE LUG REQUIRE WASHERS, HEX NUTS, LOCK WASHER - THEY SHALL BE STAINLESS STEEL AS IS THE BOLT. THE MANNER OF ATTACHMENT SHALL NOT BLOCK ACCESSIBILITY TO WIRE PLACEMENT IN THE CONNECTOR.

PEDESTAL BASE COLLAR THREADING SHALL BE TAPERED AND IN ACCORDANCE WITH NATIONAL PIPE THREADING DIMENSIONS.

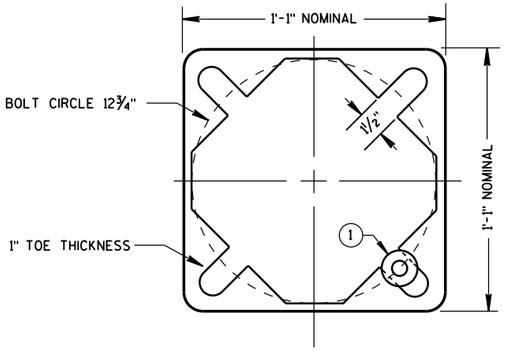
BASE COLLAR THREADING SHALL EXTEND INTO THE BASE COLLAR WITH SUFFICIENT DEPTH TO ACCEPT THE INSTALLATION OF TRAFFIC SIGNAL STANDARDS TO A DEPTH OF 1 1/2", THEN TIGHTENING TO A POINT OF BEING IMMOVABLE.

THE ACCESS DOOR SHALL BE OF THE SAME MATERIAL AS THE BASE.

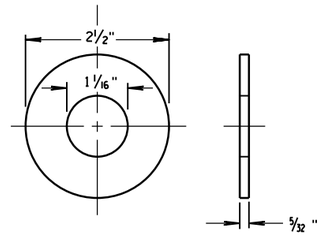




TOP VIEW
(PEDESTAL BASE)

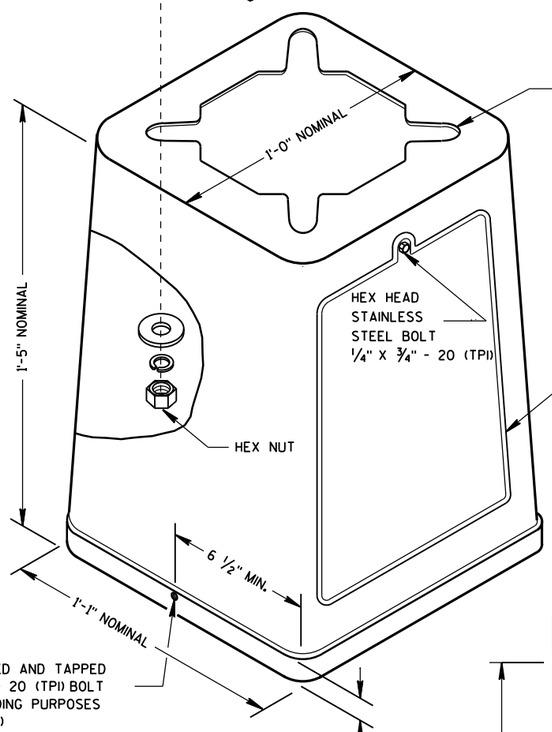


BOTTOM VIEW
(PEDESTAL BASE)

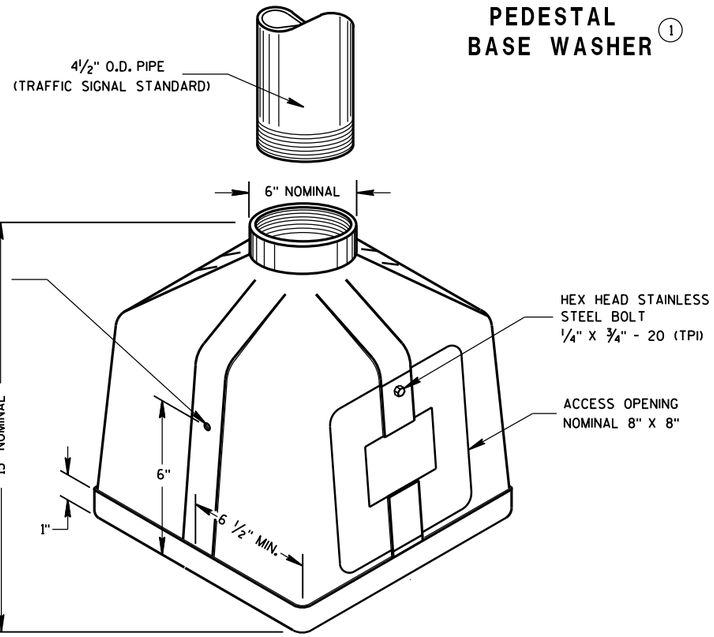


ZINC COATED STEEL WASHER
TO BE PROVIDED BY THE CONTRACTOR

PEDESTAL BASE WASHER (1)

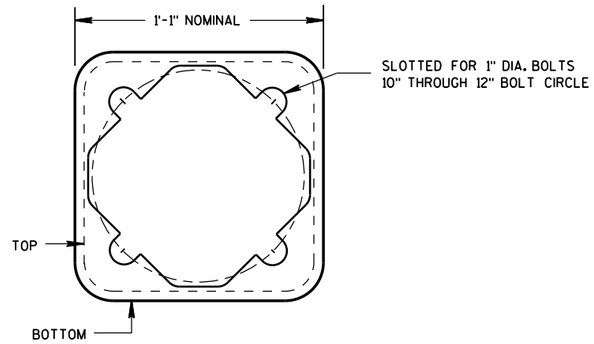


ISOMETRIC VIEW

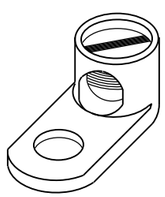


ISOMETRIC VIEW

PEDESTAL BASE



BOTTOM VIEW
(TRANSFORMER BASE)

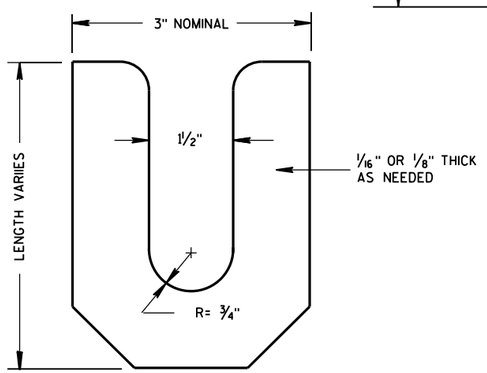


TYPICAL MECHANICAL CONNECTOR LUG

TO BE FURNISHED WITH EACH BASE

TRANSFORMER BASE

INTENDED FOR USE WITH TYPE 2, 3, 4, 5 & 6 POLES



LEVELING SHIM

TRANSFORMER/PEDESTAL BASES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

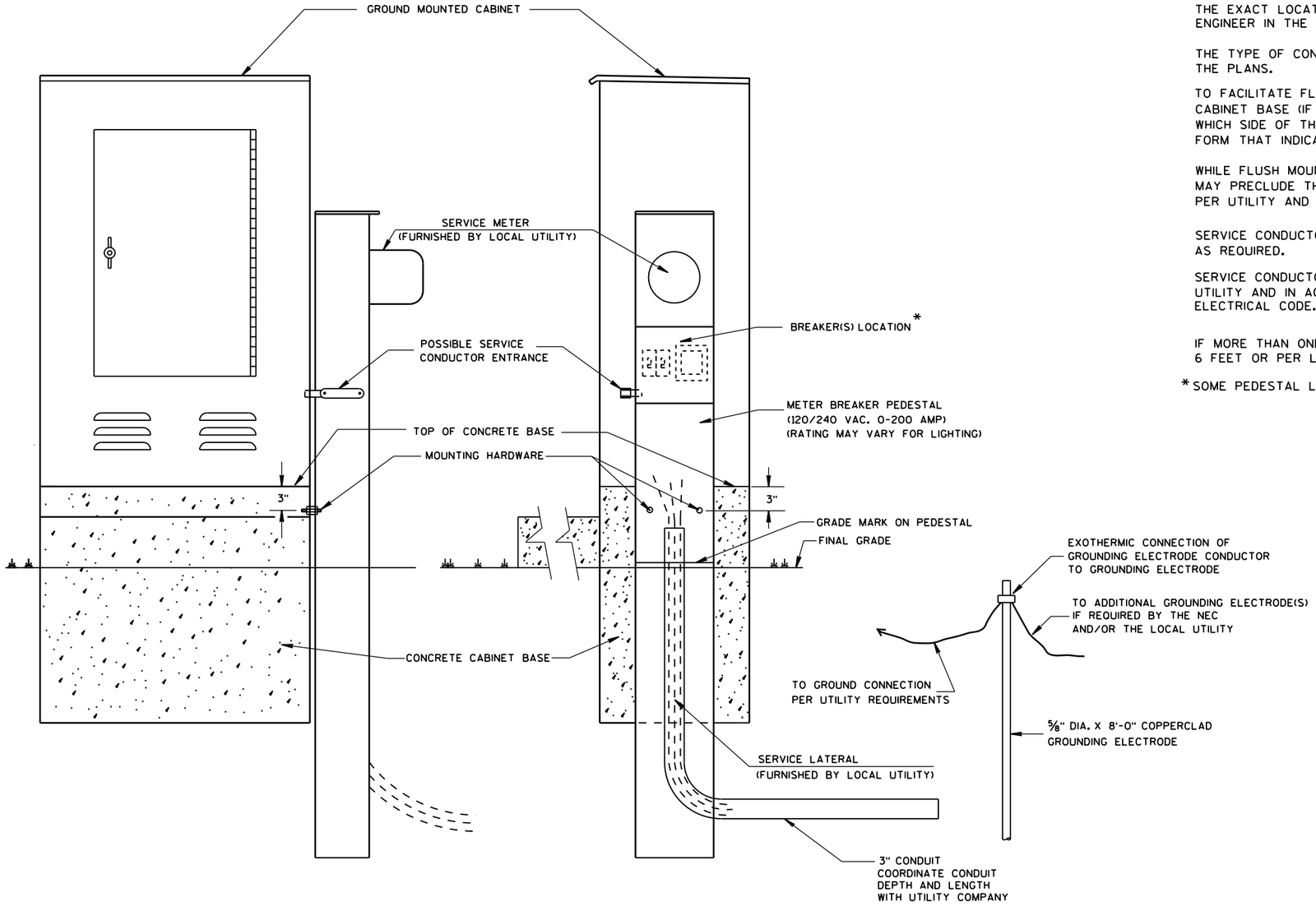
APPROVED
Sept. 2014 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL
FHWA

6

S.D.D. 9 C 3-4

6

S.D.D. 9 C 3-4



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.

6

S.D.D. 9 D 1-5

6

S.D.D. 9 D 1-5

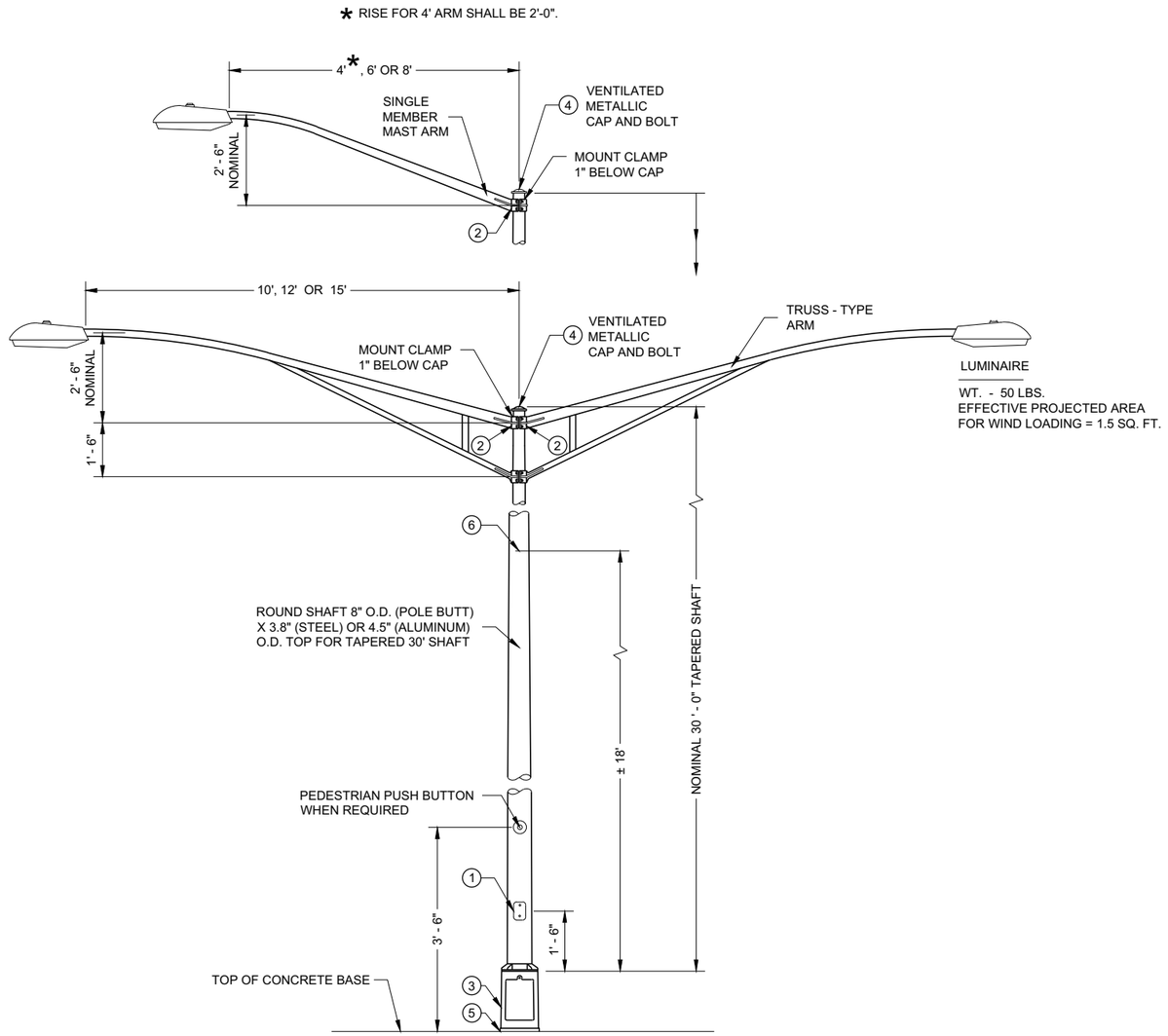
CABINET SERVICE INSTALLATION (METER BREAKER PEDESTAL)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept. 2014
DATE

/S/ Ahmet Demirbilek
STATE ELECTRICAL

FHWA



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.

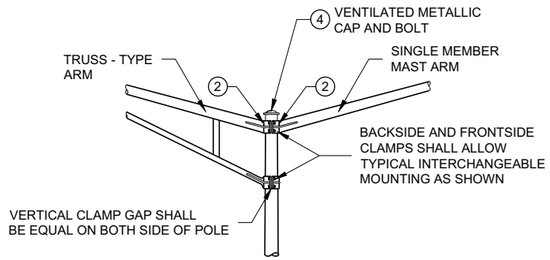
(2) GROMMETS. 1" CHASE NIPPLES OR 1" CLOSE CONDUIT NIPPLES WITH BUSHINGS SHALL BE PROVIDED FOR 1 ⅜" HOLE IN POLE SHAFT FOR WIRING.

(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.

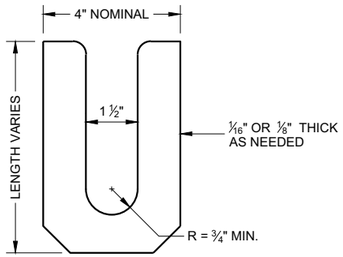
(5) SHIMMING, IF NEEDED, SHALL BE LOCATED BETWEEN THE CONCRETE FOUNDATION AND POLE.

(6) INTERNAL DUMBBELL - TYPE VIBRATION DAMPER.

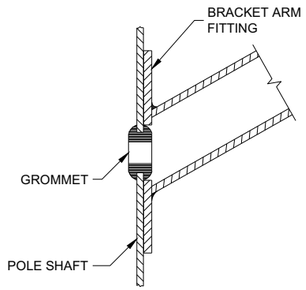


INTERCHANGEABLE MOUNTING DETAIL

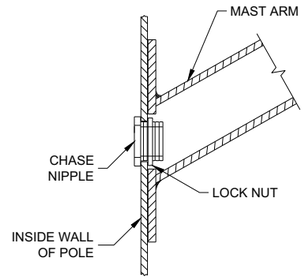
POLE MOUNTINGS FOR LIGHTING UNITS, TYPE 5 (30 FEET)



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.

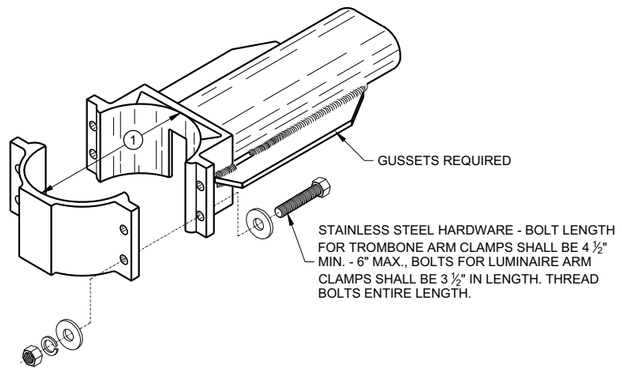
(1) 4.5" I.D. FOR LUMINAIRE MAST ARM CLAMP. 6.625" I.D. FOR TROMBONE MAST ARM CLAMP.

(2) INDIVIDUAL BASE PLATE ANCHOR ROD COVERS. (4 REQUIRED)

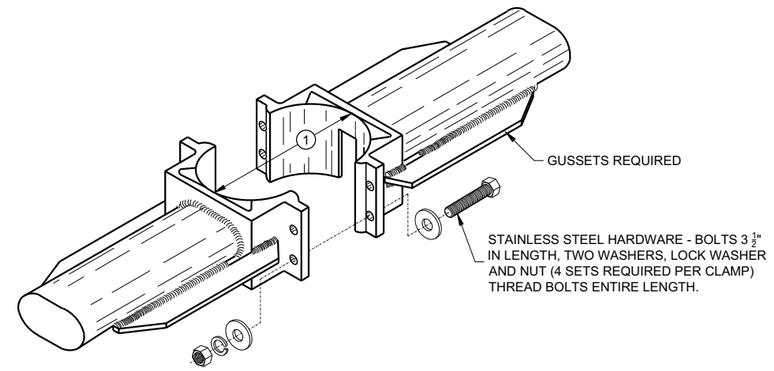
(3) BASE PLATE SLOTTED TO ACCEPT 11" THROUGH 12" BOLT CIRCLE USING 1" DIAMETER ANCHOR RODS.

(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.

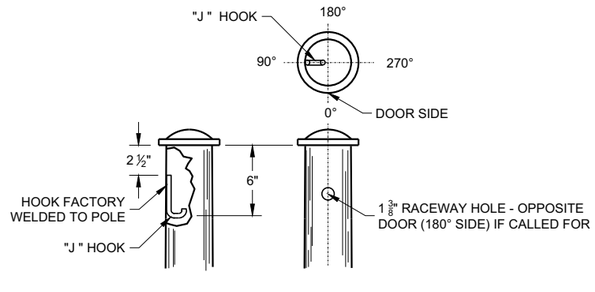
SHIMS SHALL BE LONG ENOUGH AND WIDE ENOUGH TO COMPLETELY COVER THE AREA UNDER THE LENGTH AND WIDTH OF THE BASE MOUNTING FLANGE.



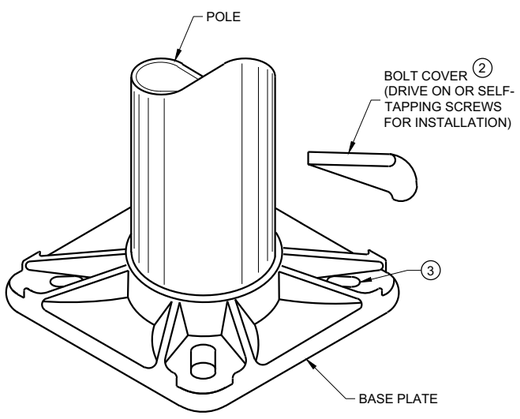
TYPICAL TROMBONE MAST ARM AND SINGLE LUMINAIRE MAST ARM MOUNTING CLAMP



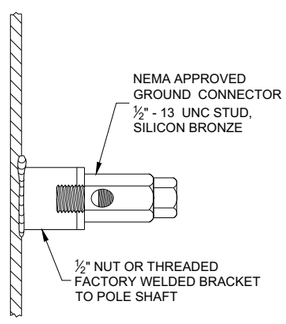
TYPICAL LUMINAIRE MAST ARM (DOUBLE) MOUNTING BRACKETS

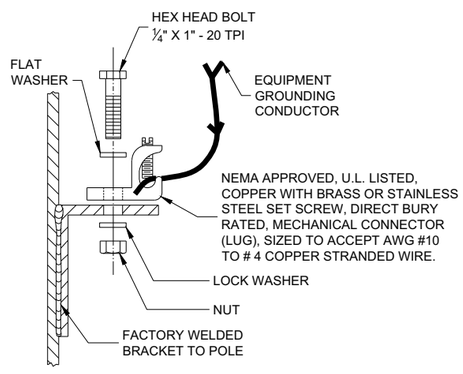


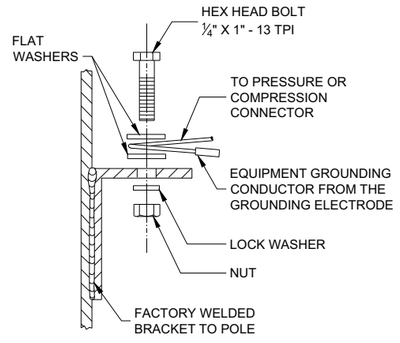
TYPICAL "J" HOOK LOCATION



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 434

FHWA

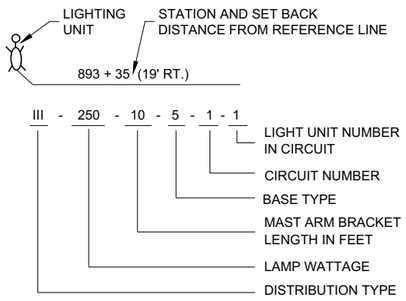
6
SDD 09E01 - 15g

GENERAL NOTES

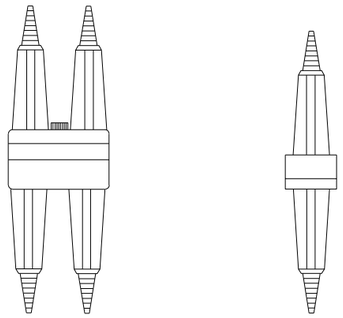
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

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.

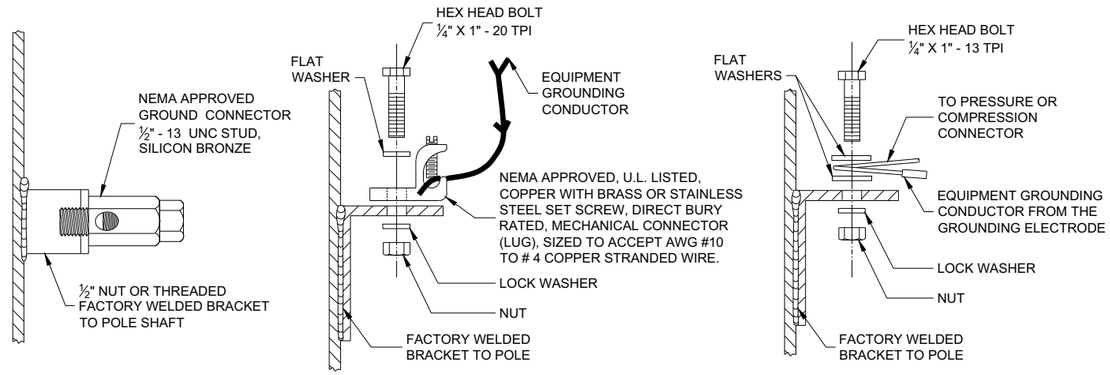


LIGHTING UNIT CODE
(TYPICAL)

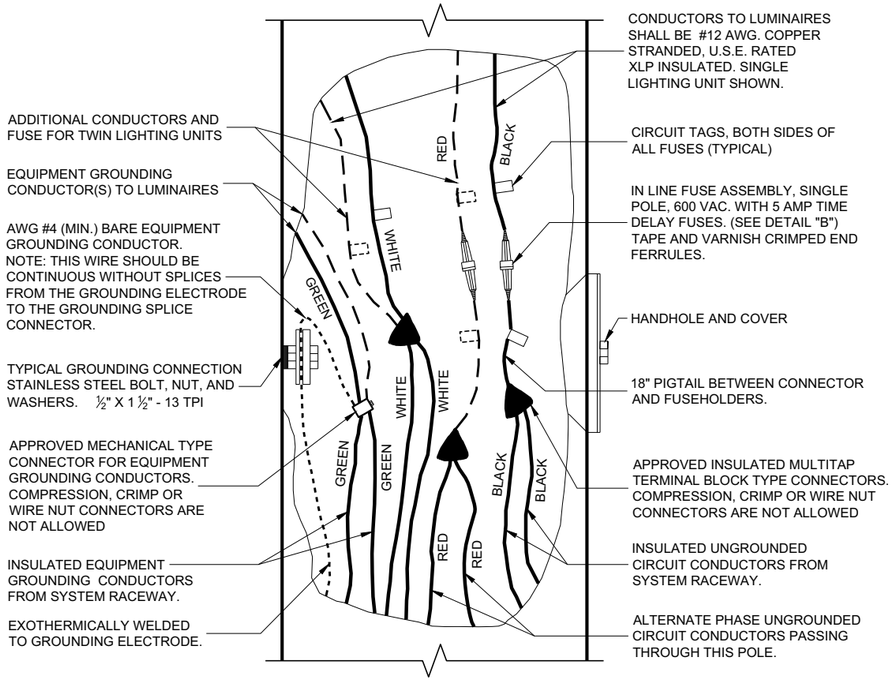


DETAIL "A"
BREAKAWAY DOUBLE POLE WITH WATERPROOF INSULATING BOOT

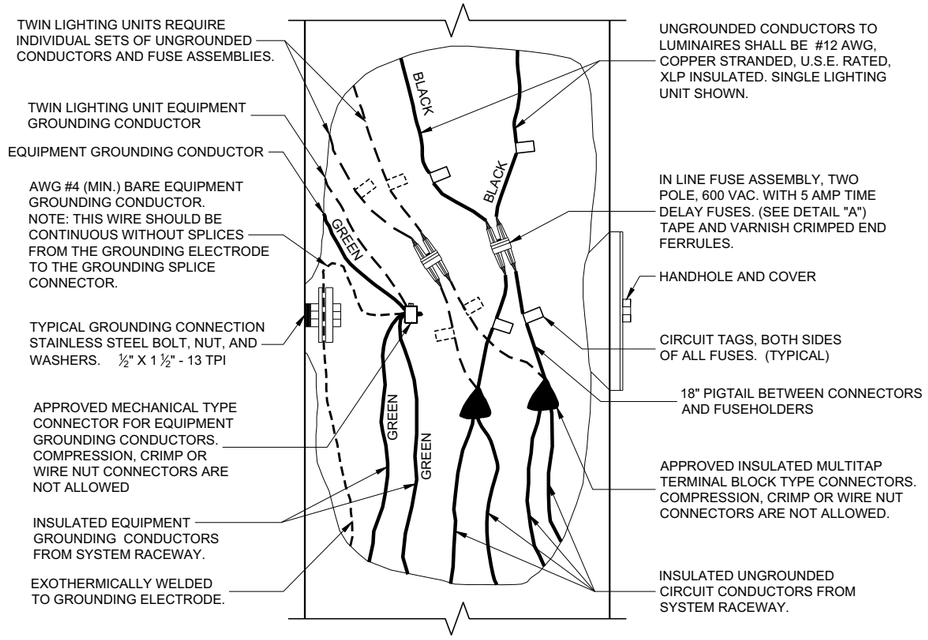
DETAIL "B"
BREAKAWAY SINGLE POLE WITH WATERPROOF INSULATING BOOT



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



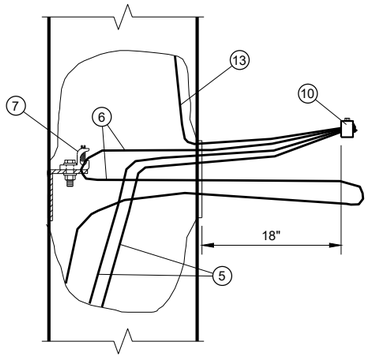
2 WIRE - 240 OR 480 VAC (UNGROUNDED CONDUCTORS) WITH EQUIPMENT GROUNDING CONDUCTOR

NON - FREEWAY LIGHTING UNIT POLE WIRING

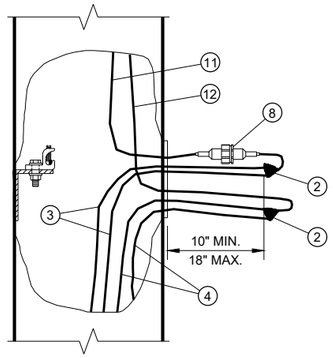
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2018
DATE
/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI 435

FHWA

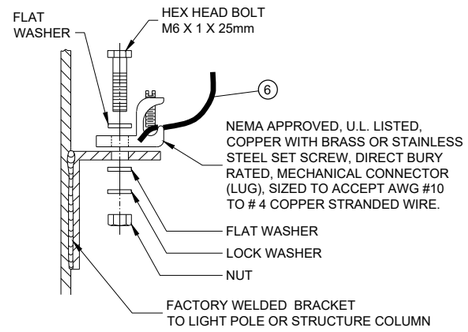


EQUIPMENT GROUNDING CONDUCTOR SLACK



UNGROUNDED CONDUCTOR SLACK (AND GROUNDED NEUTRAL SLACK IN GROUNDED NEUTRAL SYSTEM)

TYPICAL CONDUCTOR SLACK AT HANDHOLES



HANDHOLE GROUNDING LUG

NUT, BOLT AND WASHERS SHALL BE STAINLESS STEEL

GENERAL NOTES

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

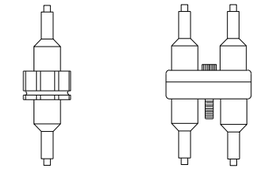
USE THIS DETAIL IN CONJUNCTION WITH THE ELECTRICAL DETAILS FOR THE APPLICATION, WHICH MAY BE A LIGHT POLE, SIGN BRIDGE, ETC.

THE GROUNDING ELECTRODE CONDUCTOR SHALL BE CONTINUOUS WITHOUT SPLICES FROM THE GROUNDING ELECTRODE THROUGH THE HANDHOLE GROUNDING LUG TO THE CONNECTOR.

THREE POLE WIRES ARE SHOWN FOR A SINGLE LUMINAIRE LIGHT POLE. THREE ADDITIONAL POLE WIRES REQUIRED FOR TWIN LUMINAIRE LIGHT POLES ARE OMITTED FROM THE DRAWING FOR CLARITY. IN THE TWIN POLE CASE, BUNDLE EACH SET OF THREE WIRES WITH A NYLON CABLE TIE.

IN 3-PHASE SYSTEMS, THERE WILL BE ONE MORE UNGROUNDED LINE WIRE, WHICH IS OMITTED FROM THE DRAWING FOR CLARITY.

CIRCUIT TAGS SHALL BE INSTALLED ONLY WHERE REQUIRED IN THE SPECIAL PROVISIONS.



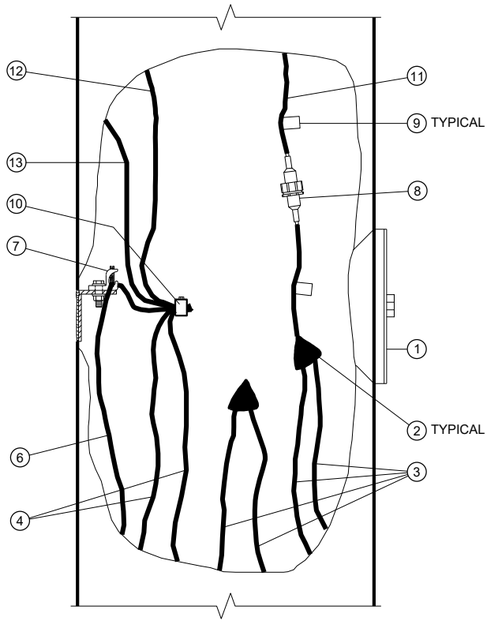
1 POLE (1P) 2 POLE (2P)

FUSE ASSEMBLIES

CONDUCTOR COLOR CODES

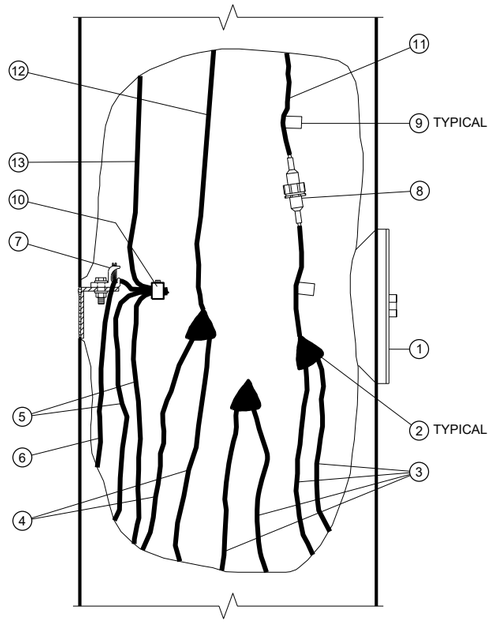
KEY	CONDUCTOR	COLOR
3	UNGROUNDED LINE WIRE	*
4	GROUNDED LINE WIRE	WHITE
5	SYSTEM GROUNDING LINE WIRE	GREEN
6	GROUNDING ELECTRODE CONDUCTOR	BARE
11	UNGROUNDED POLE WIRE	*
12	GROUNDED POLE WIRE	WHITE
13	EQUIPMENT GROUNDING POLE WIRE	GREEN

* FOLLOW COLOR CODING SHOWN IN THE PLANS. WHERE THE PLANS DO NOT SHOW COLOR CODING, USE BLACK FOR SINGLE LUMINAIRE POLES; BLACK AND RED FOR TWIN LUMINAIRE POLES.



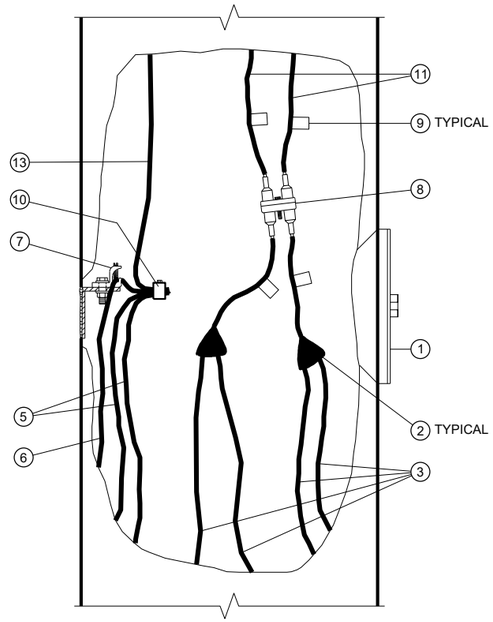
CUTAWAY HANDHOLE DETAIL

GROUNDED NEUTRAL SYSTEMS
1-ϕ



CUTAWAY HANDHOLE DETAIL

ISOLATED NEUTRAL SYSTEMS
1-ϕ SHOWN; 3-ϕ WYE SIMILAR
(SEE GENERAL NOTE)



CUTAWAY HANDHOLE DETAIL

PHASE TO PHASE SYSTEMS
1-ϕ SHOWN; 3-ϕ DELTA SIMILAR
(SEE GENERAL NOTE)

NOTE: REQUIRED CONDUCTOR SLACK NOT SHOWN ON "CUTAWAY HAND HOLE" DETAILS FOR DRAWING CLARITY, SEE "TYPICAL CONDUCTOR SLACK AT HANDHOLES" ON THIS SHEET.

1. HANDHOLE AND COVER
2. INSULATED SPLICE
3. UNGROUNDED LINE WIRE
4. GROUNDED LINE WIRE
5. SYSTEM GROUNDING LINE WIRE
6. GROUNDING ELECTRODE CONDUCTOR
7. HANDHOLE GROUNDING LUG
8. FUSE ASSEMBLY, 1P OR 2P AS REQUIRED
9. CIRCUIT TAG (SEE GENERAL NOTE)
10. REVERSIBLE PRESSURE OR COMPRESSION GROUNDING CONNECTOR (NOT INSULATED)
11. UNGROUNDED POLE WIRE
12. GROUNDED POLE WIRE
13. EQUIPMENT GROUNDING POLE WIRE

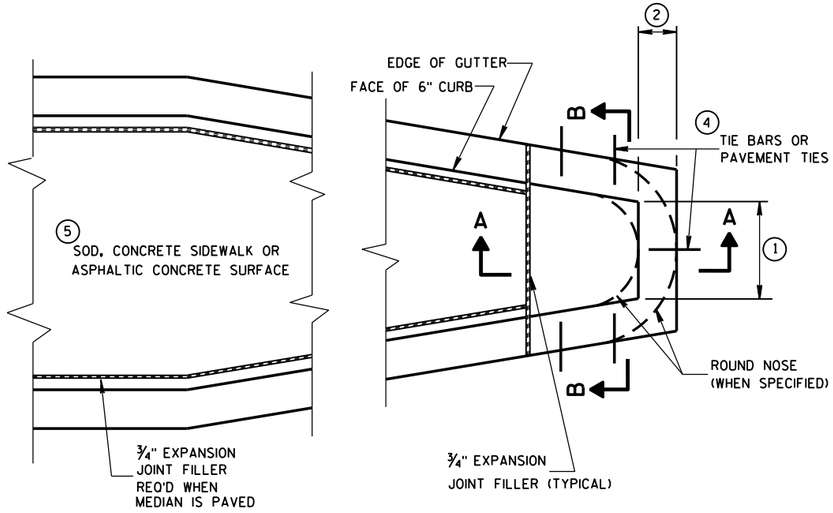
ELECTRICAL HANDHOLE WIRING

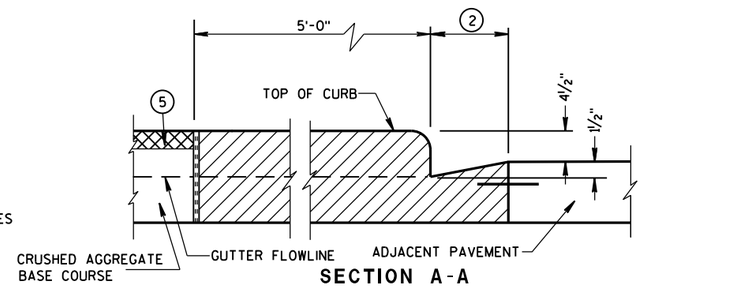
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2022
DATE

/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI 436

FHWA





CONCRETE MEDIAN BLUNT NOSE DETAIL

GENERAL NOTES

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

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

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

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

(1) NEW OR EXISTING CONCRETE PAVEMENT.

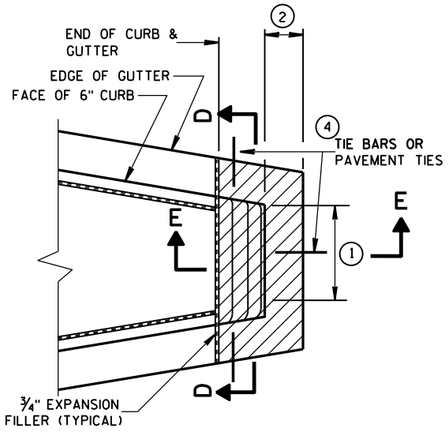
(2) ASPHALTIC CONCRETE PAVEMENT OVER NEW OR EXISTING CONCRETE BASE COURSE.

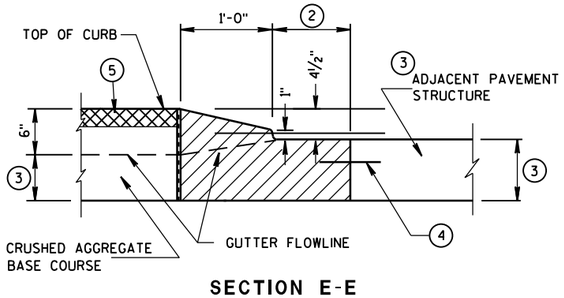
(3) ASPHALTIC CONCRETE PAVEMENT OVER CRUSHED AGGREGATE BASE COURSE.

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

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

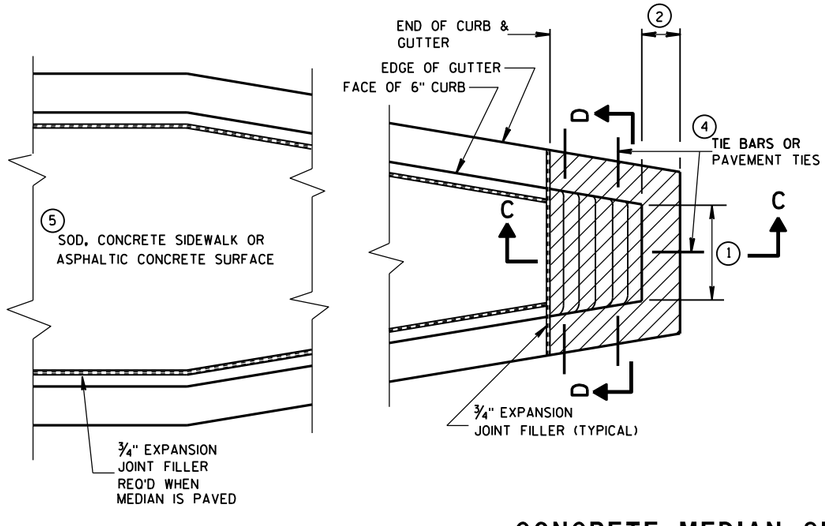
(5) SURFACE TYPE AND DETAILS ARE SHOWN ELSEWHERE IN THE PLAN.

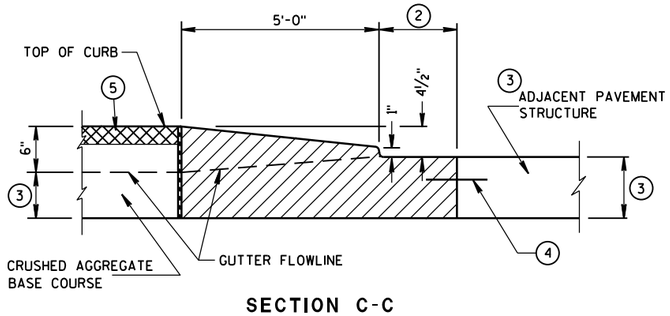




SECTION E-E

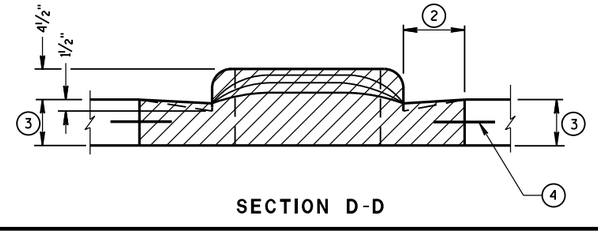
CONCRETE MEDIAN SLOPED NOSE TYPE 2





SECTION C-C

CONCRETE MEDIAN SLOPED NOSE TYPE 1



SECTION D-D

CONCRETE MEDIAN NOSE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

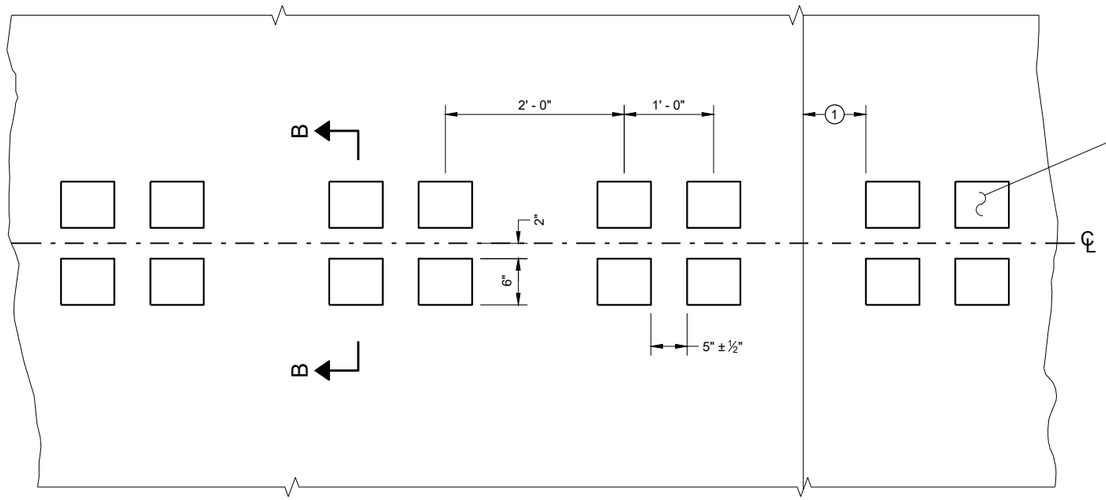
APPROVED
6/8/2006
DATE
/S/ Jerry H. Zogg
ROADWAY STANDARDS DEVELOPMENT ENGINEER
FHWA

6

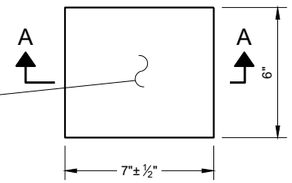
S.D.D. 11 B 2-2

6

S.D.D. 11 B 2-2



PLAN DETAIL VIEW



PLAN VIEW
(SINGLE GROOVE)

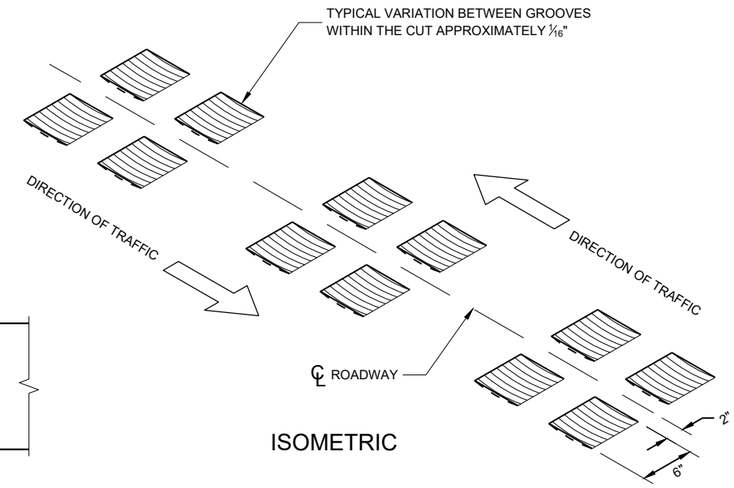
GENERAL NOTES

SDD 13A11, SHEET "d" SHOWS THE LOCATION OF RUMBLE STRIPS AT INTERSECTIONS, INTERSECTIONS WITH LEFT TURN LANES, BRIDGES, COMMERCIAL AND RESIDENTIAL DRIVEWAYS AND RAILROAD CROSSINGS.

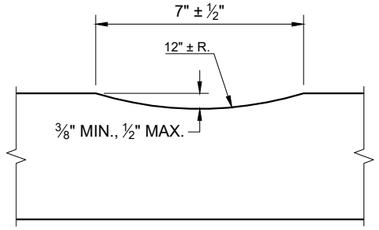
TEMPORARY PAVEMENT MARKINGS ARE TYPICALLY PLACED PRIOR TO RUMBLE STRIP INSTALLATION. PERMANENT MARKINGS ARE INSTALLED AFTER RUMBLE STRIP INSTALLATION.

CENTERLINE GROOVES MAY BE OMITTED IN AREAS WITH HIGH CONCENTRATIONS OF DRIVEWAYS WHEN DIRECTED BY THE ENGINEER.

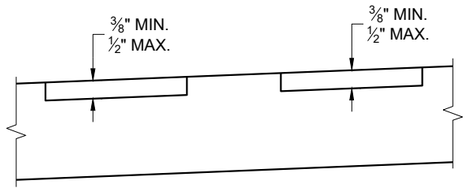
(1) CONCRETE PAVEMENT RUMBLE STRIPS SHALL BE A MINIMUM OF 6 INCHES FROM TRANSVERSE JOINTS.



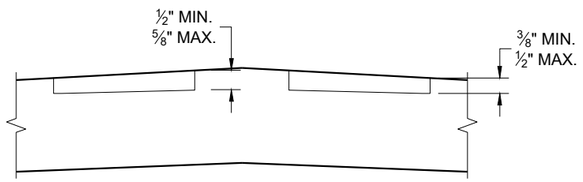
ISOMETRIC



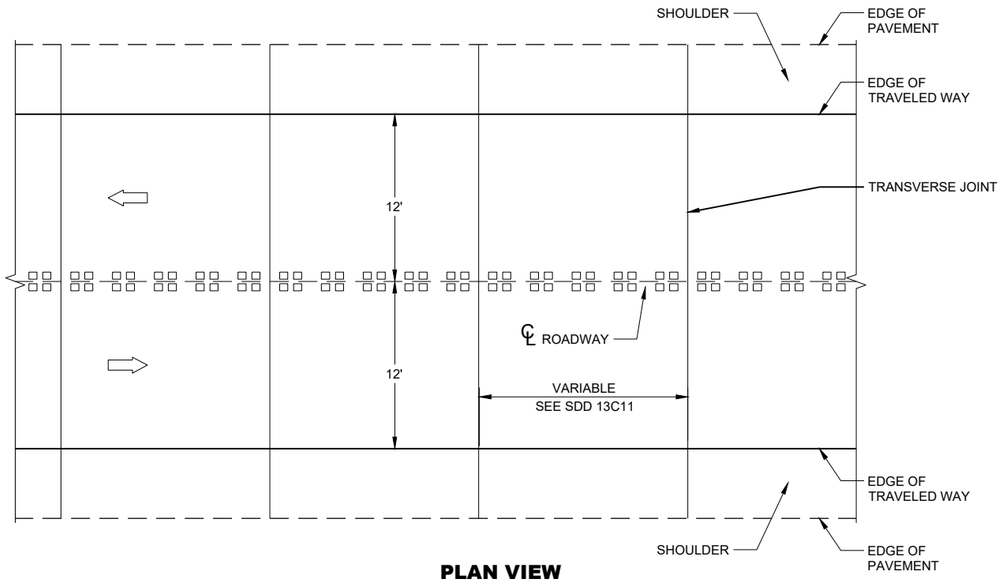
SECTION A - A



SECTION B - B
SUPERELEVATED ROADWAY



SECTION B - B
CROWNED ROADWAY



PLAN VIEW

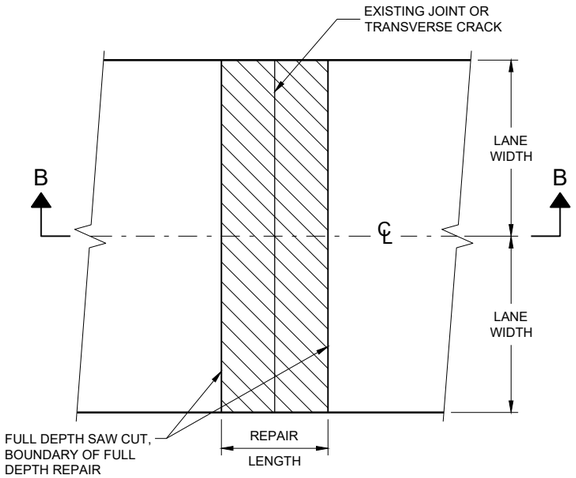
CENTERLINE RUMBLE STRIPS - CONCRETE

CENTERLINE RUMBLE STRIPS - CONCRETE

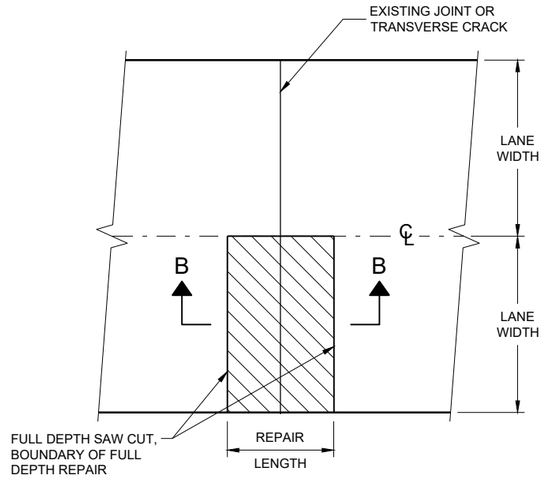
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 13A11 - 04b



PLAN VIEW
(DOUBLE LANE REPAIR)



PLAN VIEW
(SINGLE LANE REPAIR)

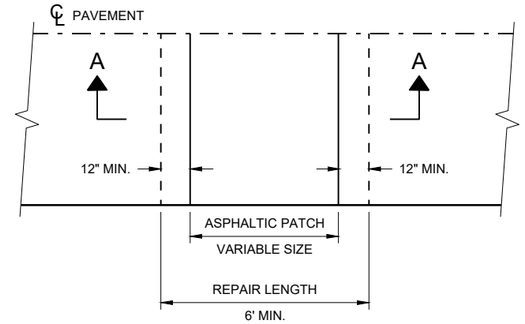
GENERAL NOTES

SAW CUT, DRILL, AND LIFT OUT EXISTING CONCRETE PAVEMENT WITHIN THE BOUNDARIES OF CONCRETE REPAIR AREAS. THE CONTRACTOR MAY MAKE ADDITIONAL SAW CUTS INSIDE THE REPAIR LIMITS TO REDUCE WEIGHT AND SIZE OF CONCRETE PIECES.

PROVIDE A 6 FOOT MINIMUM DISTANCE FROM BOUNDARIES OF CONCRETE REPAIR AREA TO ADJACENT TRANSVERSE JOINT OR CRACK.

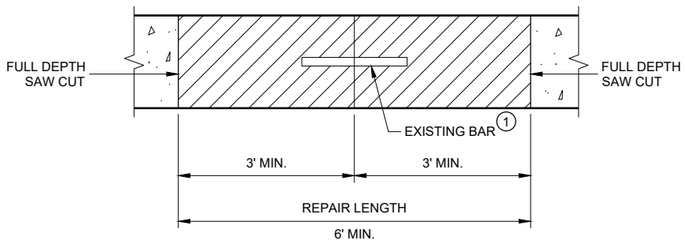
THE LENGTH OF THE REPAIRS MAY VARY FROM THE DIMENSIONS SHOWN IF THE EXISTING CONCRETE PAVEMENT IS NON-DOWELED AND THE PAVEMENT IS TO BE OVERLAID AFTER REPAIRING.

(1) DOWEL BARS MAY NOT BE PRESENT.



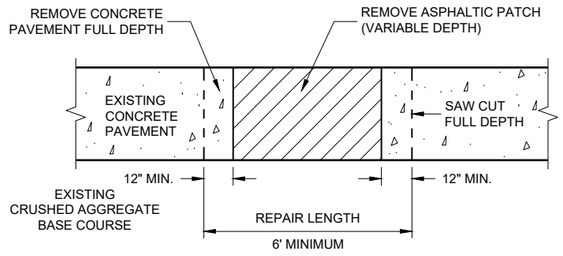
PLAN VIEW

FULL DEPTH CONCRETE PAVEMENT REMOVAL



SECTION B - B

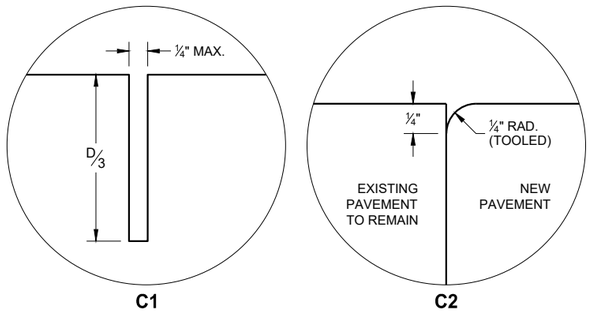
CONCRETE REMOVAL



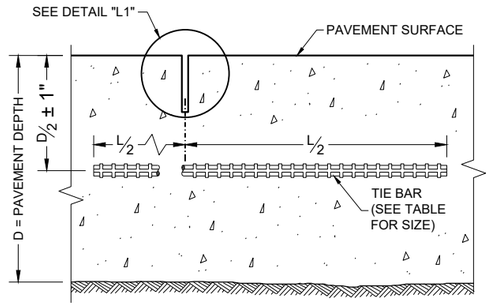
SECTION A - A

HMA PATCH REMOVAL

CONCRETE PAVEMENT REPAIR AND REPLACEMENT

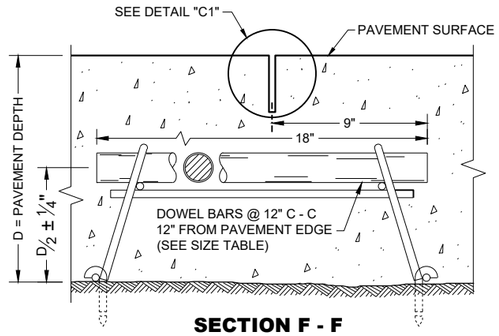


TRANSVERSE JOINTS



SECTION C - C

SAWED LONGITUDINAL JOINT



SECTION F - F

DOWELED CONTRACTION JOINT

GENERAL NOTES

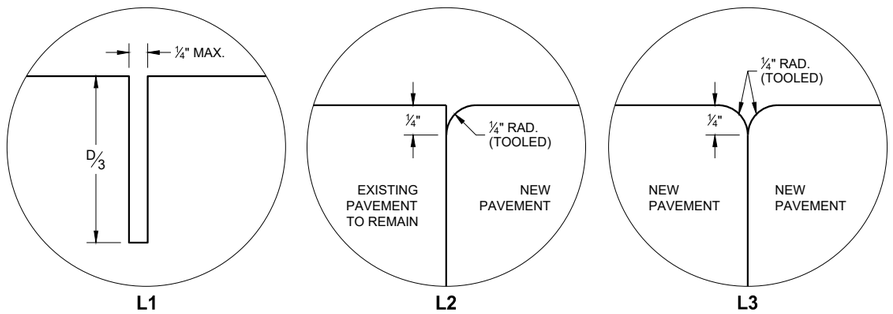
INSTALL DOWEL BARS PARALLEL TO THE PAVEMENT CENTERLINE AND PAVEMENT SURFACE.

CONCRETE PAVEMENT REPAIRS OF EXISTING NON-DOWELED CONCRETE PAVEMENTS DO NOT NEED TO BE DOWELED.

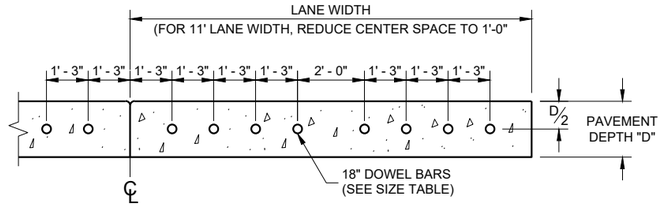
ANCHOR DOWEL BARS AND TIE BARS INTO DRILLED HOLES WITH AN EPOXY.

FOR MULTI-LANE CONCRETE PAVEMENT REPLACEMENTS, PROVIDE A MINIMUM DISTANCE OF 15 INCHES FROM ALL TRANSVERSE JOINTS OR EDGES OF REPLACEMENT TO THE CENTER OF THE TIE BAR NEAREST THAT JOINT OR EDGE.

(1) APPLY A THIN UNIFORM COATING OF SURFACE TREATMENT TO THE FREE END OF DOWEL BARS TO PREVENT BONDING.

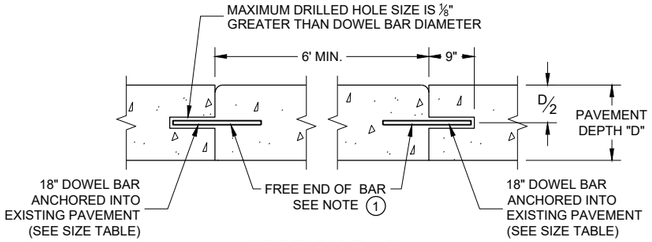


LONGITUDINAL JOINTS



SECTION E - E

DRILLED DOWEL BAR CONSTRUCTION JOINT



SECTION D - D

TIE BAR TABLE

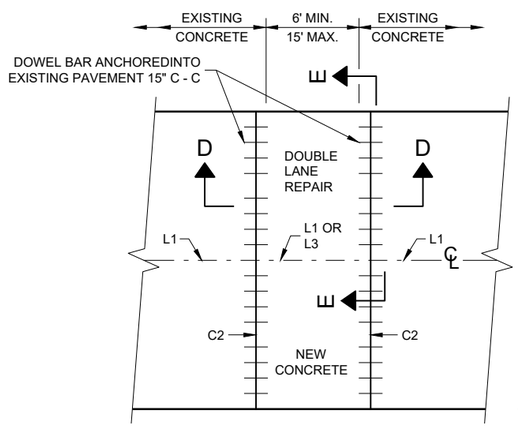
PAVEMENT DEPTH (D)	TIE BAR SIZE	TIE BAR LENGTH (L)	MAX. TIE BAR SPACING
< 10 ½"	NO. 4	30"	36"
≥ 10 ½"	NO. 5	36"	36"
	NO. 4 *	30"	24" **

* 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.

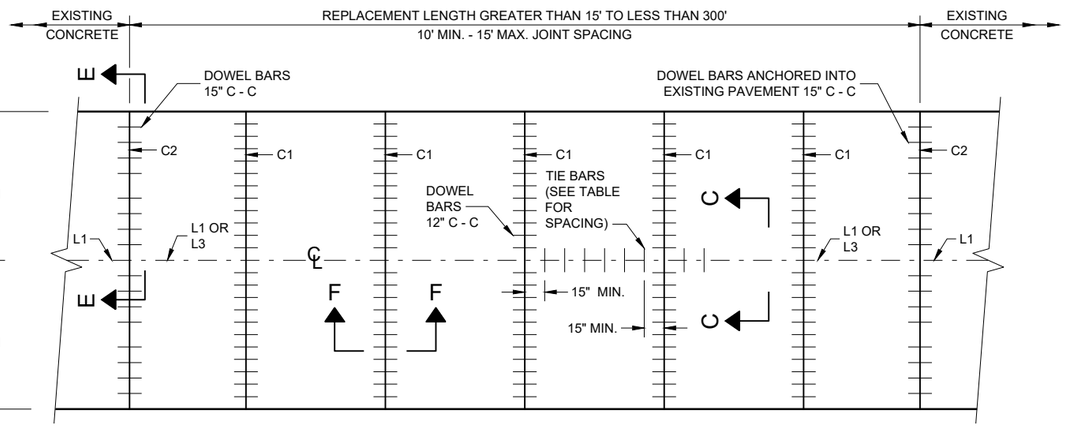
PAVEMENT DEPTH, DOWEL BAR SIZE AND JOINT SPACING TABLE

PAVEMENT DEPTH (D)	DOWEL BAR DIAMETER	DRILLED DOWEL BAR DIAMETER	CONTRACTION JOINT SPACING
6", 6 ½"	NONE	NONE	12'
7", 7 ½"	1"	1"	14'
8" & ABOVE	1 ¼"	1 ¼"	15'



PLAN VIEW

MULTILANE CONCRETE PAVEMENT REPAIR



PLAN VIEW

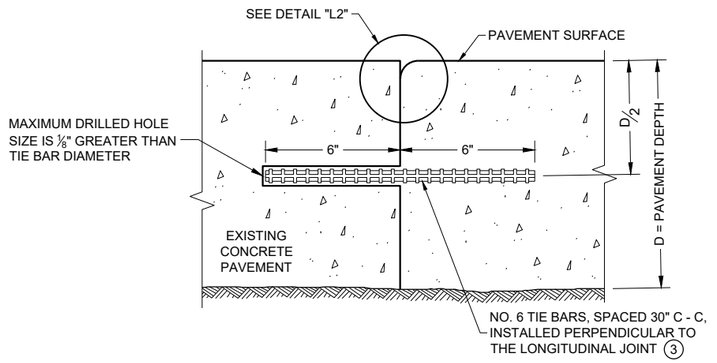
MULTILANE CONCRETE PAVEMENT REPLACEMENT

CONCRETE PAVEMENT REPAIR AND REPLACEMENT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 13C09 - 17b

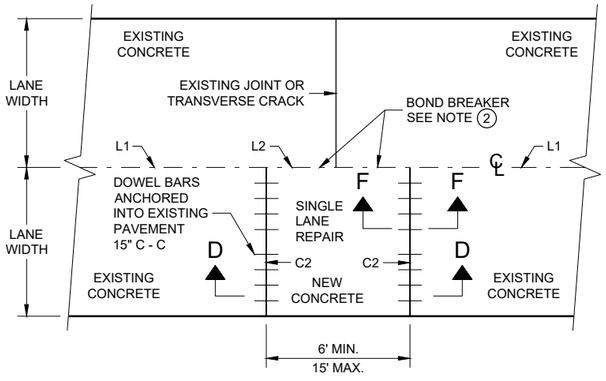


SECTION G - G

TIE BARS ANCHORED INTO EXISTING PAVEMENT

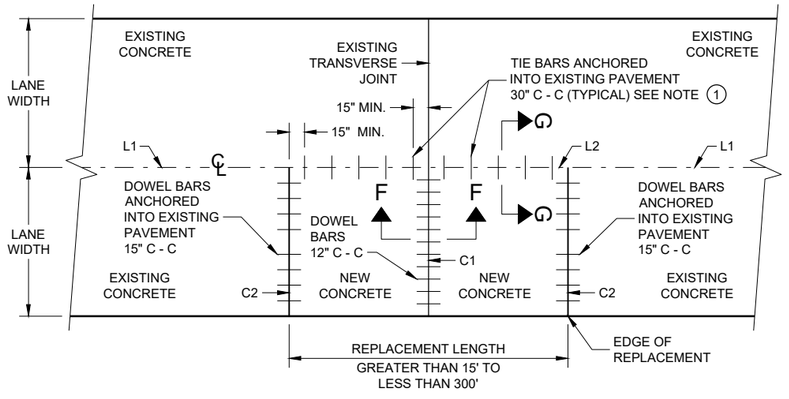
GENERAL NOTES

1. WITH THE APPROVAL OF THE ENGINEER, FOR SINGLE LANE PAVEMENT REPLACEMENTS LESS THAN 30 FEET IN LENGTH, THE CONTRACTOR MAY INSTALL DRILLED TIE BARS ON 6:1 SKEW HORIZONTALLY, DIRECTION OF SKEW ALTERNATING WITH EACH SUCCESSIVE BAR. DRIVE SKEWED TIE BARS TO A DEPTH OF 6 INCHES IN A HOLE OF SUCH A DIAMETER AS TO PROVIDE A TIGHT DRIVEN FIT.
2. USE AN ENGINEER APPROVED BOND BREAKER (E.G. RELEASE AGENT, CURING COMPOUND) FOR SINGLE LANE REPAIRS UP TO 15 FEET IN LENGTH.
3. ANCHOR TIE BARS INTO DRILLED HOLES WITH AN EPOXY.



PLAN VIEW

SINGLE LANE CONCRETE PAVEMENT REPAIR



PLAN VIEW

SINGLE LANE CONCRETE PAVEMENT REPLACEMENT

CONCRETE REPAIR AND REPLACEMENT

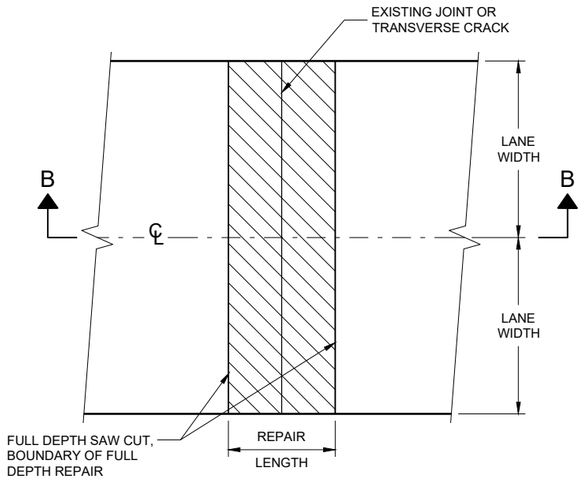
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2022
DATE
/S/ Peter Kemp P.E.
PAVEMENT SUPERVIS

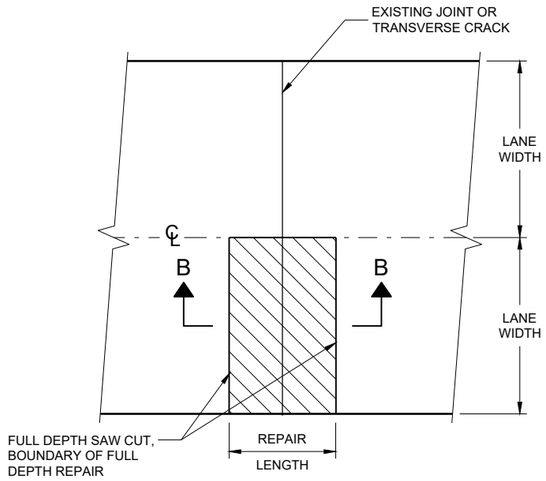
FHWA

6

SDD 13C09 - 17c



PLAN VIEW
DOUBLE LANE REPAIR



PLAN VIEW
SINGLE LANE REPAIR

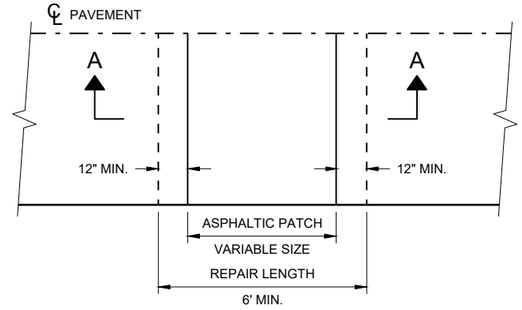
GENERAL NOTES

SAW CUT, DRILL, AND LIFT OUT EXISTING CONCRETE PAVEMENT WITHIN THE BOUNDARIES OF CONCRETE REPAIR AREAS. THE CONTRACTOR MAY MAKE ADDITIONAL SAW CUTS INSIDE THE REPAIR LIMITS TO REDUCE WEIGHT AND SIZE OF CONCRETE PIECES.

PROVIDE A 6 FOOT MINIMUM DISTANCE FROM BOUNDARIES OF CONCRETE REPAIR AREA TO ADJACENT TRANSVERSE JOINT OR CRACK.

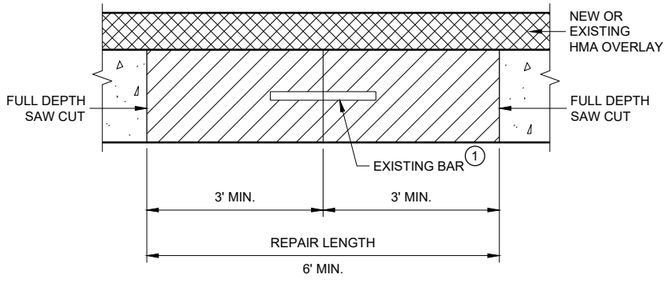
THE LENGTH OF THE REPAIRS MAY VARY FROM THE DIMENSIONS SHOWN IF THE EXISTING CONCRETE PAVEMENT IS NON-DOWELED AND THE PAVEMENT IS TO BE OVERLAID AFTER REPAIRING.

(1) DOWEL BARS MAY NOT BE PRESENT.

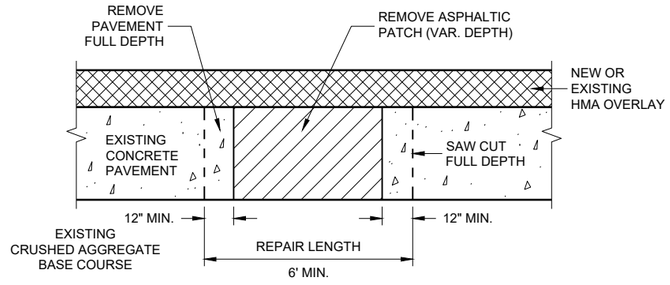


PLAN VIEW

FULL DEPTH CONCRETE PAVEMENT REMOVAL



SECTION B - B
CONCRETE REMOVAL



SECTION A - A

HMA PATCH REMOVAL

6

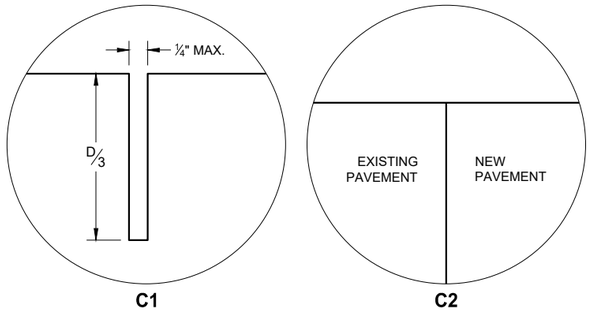
6

SDD 13C14 - 07a

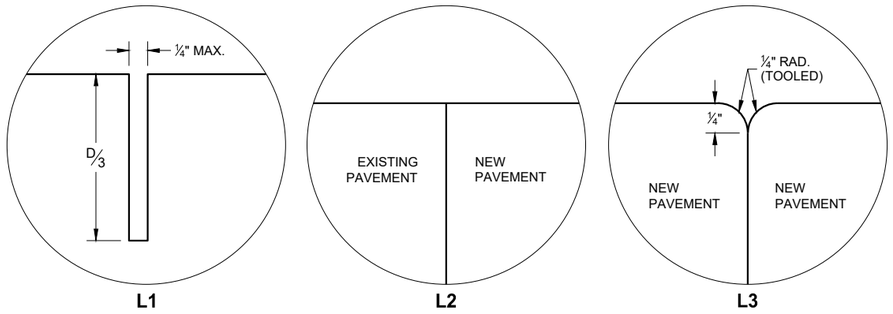
SDD 13C14 - 07a

BASE PATCHING CONCRETE

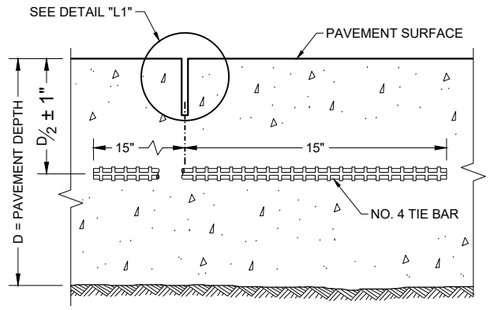
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTA



TRANSVERSE JOINTS

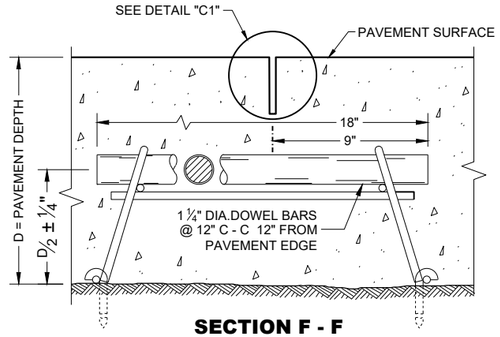


LONGITUDINAL JOINTS



SECTION C - C

SAWED LONGITUDINAL JOINT



SECTION F - F

CONTRACTION JOINT

GENERAL NOTES

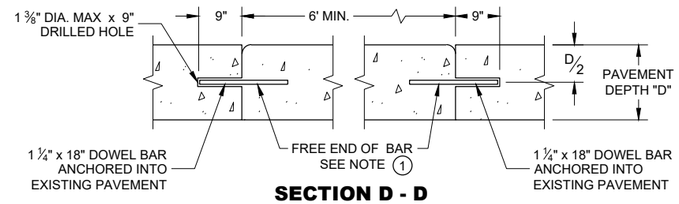
INSTALL DOWEL BARS PARALLEL TO THE PAVEMENT CENTERLINE AND PAVEMENT SURFACE.

CONCRETE BASE PATCHES OF EXISTING NON-DOWELED CONCRETE PAVEMENTS DO NOT NEED TO BE DOWELED.

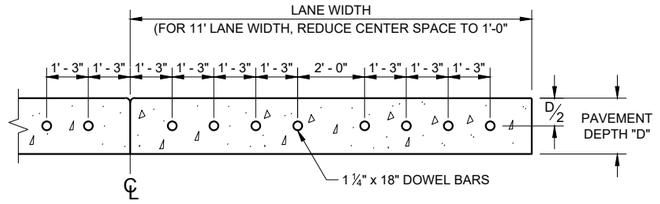
ANCHOR DOWEL BARS AND TIE BARS INTO DRILLED HOLES WITH AN EPOXY.

PROVIDE A MINIMUM DISTANCE OF 15 INCHES FROM ALL TRANSVERSE JOINTS OR EDGES OF REPLACEMENT TO THE CENTER OF THE TIE BAR NEAREST THAT JOINT O EDGE.

(1) APPLY A THIN UNIFORM COATING OF SURFACE TREATMENT TO THE FREE END OF DOWEL BARS TO PREVENT BONDING.

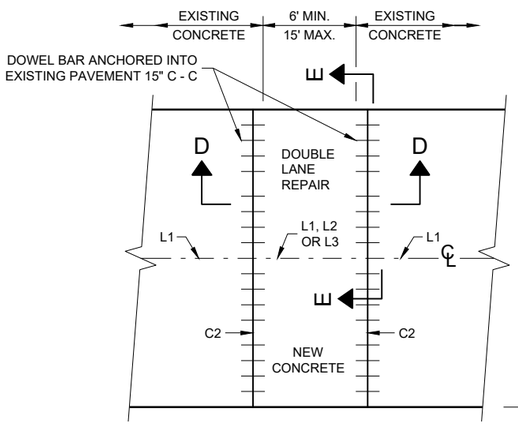


SECTION D - D



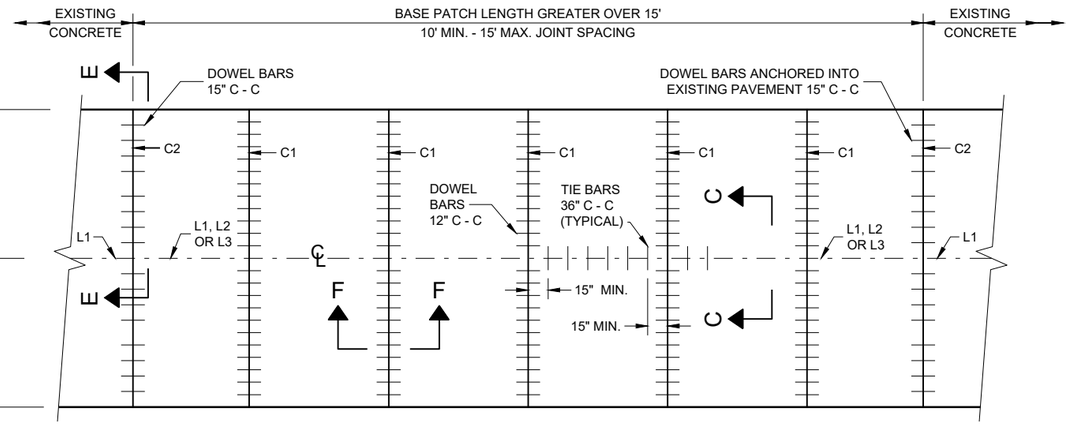
SECTION E - E

SPACING OF DOWEL BARS ANCHORED INTO EXISTING PAVEMENT



PLAN VIEW

MULTILANE CONCRETE BASE PATCH 15' MAXIMUM LENGTH



PLAN VIEW

MULTILANE CONCRETE BASE PATCH GREATER THAN 15' IN LENGTH

BASE PATCHING CONCRETE

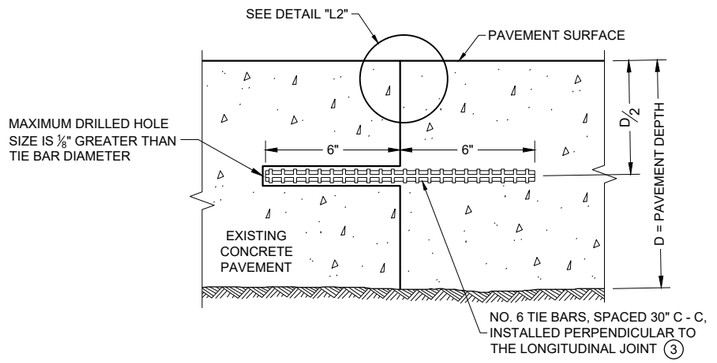
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTA 443

SDD 13C14 - 07b

SDD 13C14 - 07b

6

6

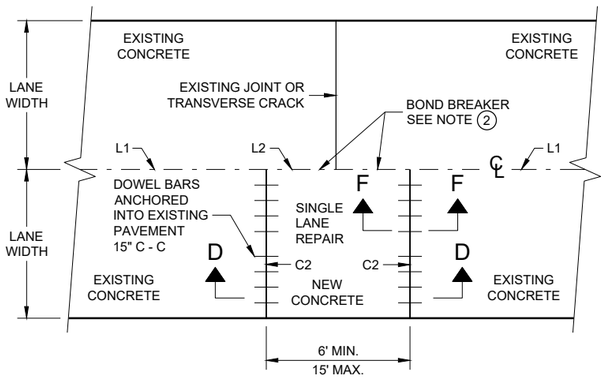


SECTION G - G

TIE BARS ANCHORED INTO EXISTING PAVEMENT

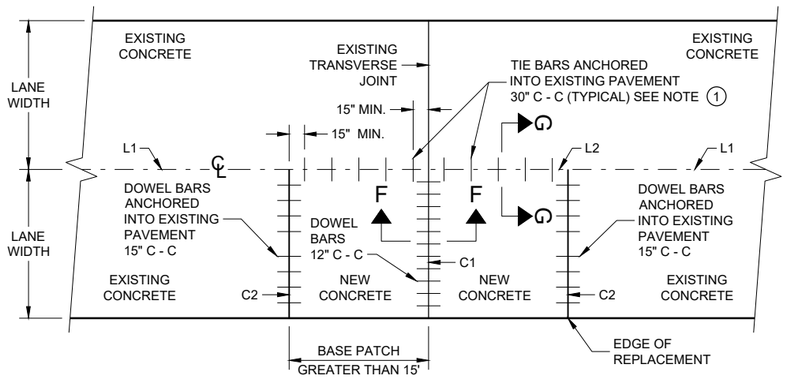
GENERAL NOTES

1. WITH THE APPROVAL OF THE ENGINEER, FOR SINGLE LANE PAVEMENT REPLACEMENTS LESS THAN 30 FEET IN LENGTH, THE CONTRACTOR MAY INSTALL DRILLED TIE BARS ON 6:1 SKEW HORIZONTALLY, DIRECTION OF SKEW ALTERNATING WITH EACH SUCCESSIVE BAR. DRIVE SKEWED TIE BARS TO A DEPTH OF 6 INCHES IN A HOLE OF SUCH A DIAMETER AS TO PROVIDE A TIGHT DRIVEN FIT.
2. USE AN ENGINEER APPROVED BOND BREAKER (E.G. RELEASE AGENT, CURING COMPOUND) FOR SINGLE LANE REPAIRS UP TO 15 FEET IN LENGTH.
3. ANCHOR TIE BARS INTO DRILLED HOES WITH AN EPOXY.



PLAN VIEW

SINGLE LANE CONCRETE BASE PATCH 15' MAXIMUM LENGTH



PLAN VIEW

SINGLE LANE CONCRETE BASE PATCH GREATER THAN 15' LENGTH

BASE PATCHING CONCRETE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
March 2018
DATE

/S/ Peter Kemp, P.E.
PAVEMENT SUPERVISOR

FHWA

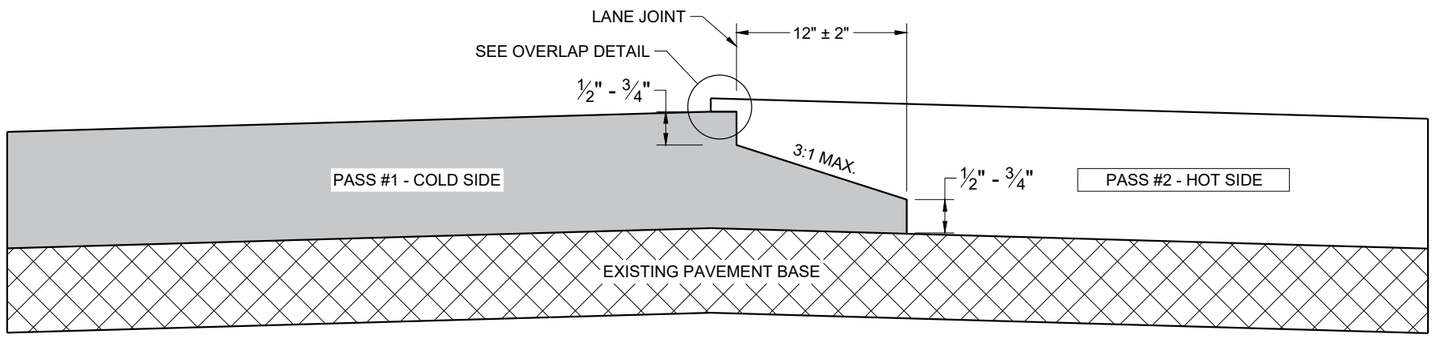
444

6

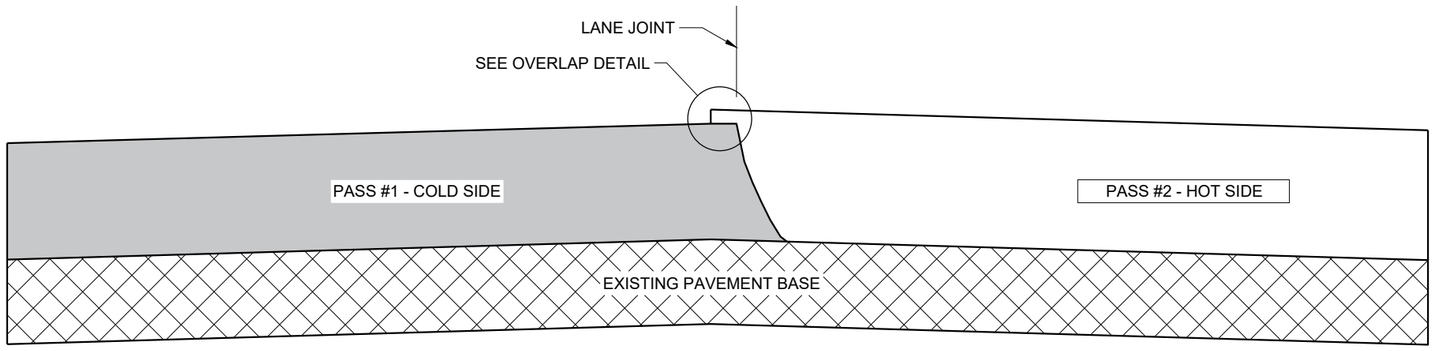
SDD 13C14 - 07c

6

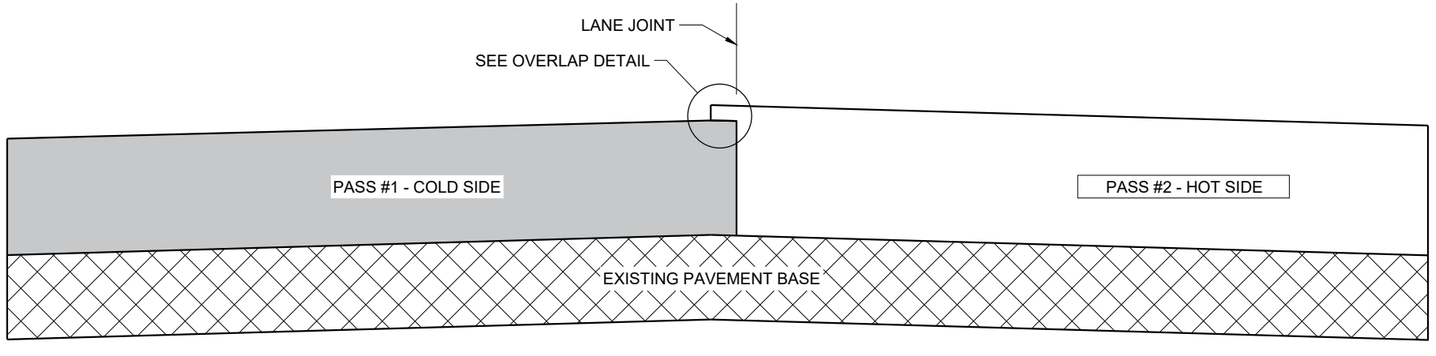
SDD 13C14 - 07c



TYPICAL PAVEMENT CROSS SECTION
NOTCHED WEDGE JOINT



TYPICAL PAVEMENT CROSS SECTION
VERTICAL JOINT



TYPICAL PAVEMENT CROSS SECTION
VERTICAL JOINT (MILLED)

GENERAL NOTES

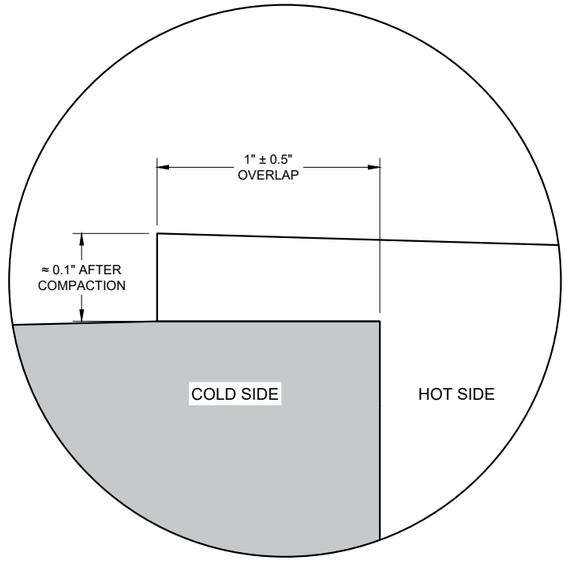
IN ADDITION TO THE DETAILS PROVIDED IN THIS DRAWING, CONFORM TO STANDARD SPECIFICATION 450.3.2.8 FOR WHEN A NOTCHED WEDGE JOINT IS REQUIRED AND FOR GENERAL JOINT CONSTRUCTION REQUIREMENTS.

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

6

SDD 13C19 - 03

SDD 13C19 - 03

HMA LONGITUDINAL JOINTS

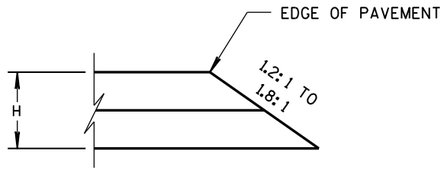
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2020
DATE

/S/ Steven Hefel
HMA PAVEMENT ENGIN

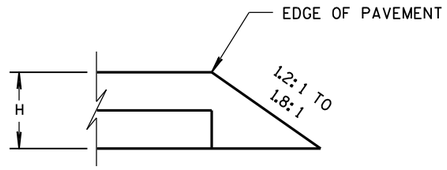
445

FHWA



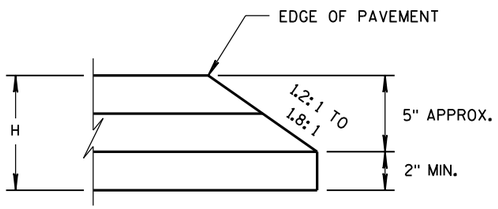
CONSTRUCTED WITH FINAL TWO LAYERS

FOR H 5" OR LESS



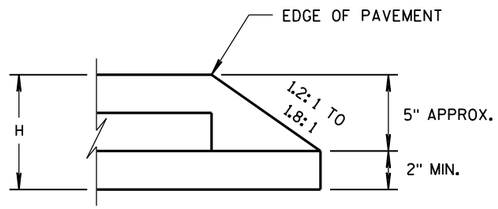
CONSTRUCTED WITH FINAL LAYER

FOR H 5" OR LESS



CONSTRUCTED WITH FINAL TWO LAYERS

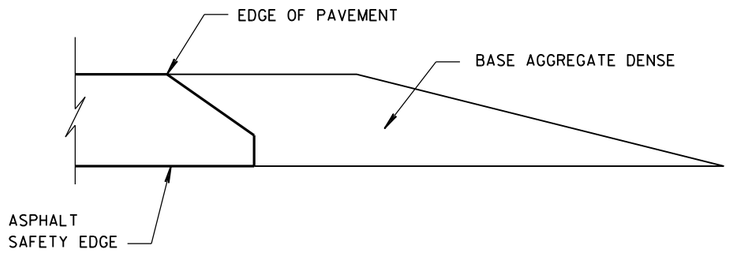
FOR H GREATER THAN 5"



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

(1) WOOD OR STEEL POSTS (w6X9 OR w6X8.5) MAY BE USED. DO NOT INTERMIX WOOD AND STEEL POSTS. INSTALL STEEL POSTS WITH HOLES ON APPROACHING TRAFFIC SIDE.

(2) USE WOOD OR APPROVED PLASTIC BLOCKOUTS. WOOD BLOCKOUTS MAY BE CONSTRUCTED OUT OF TWO OR MORE WOOD BLOCKOUTS. SEE ALTERNATE WOOD BLOCKOUT DETAIL. DIMENSIONS OF APPROVED PLASTIC BLOCKOUTS MAY VARY.

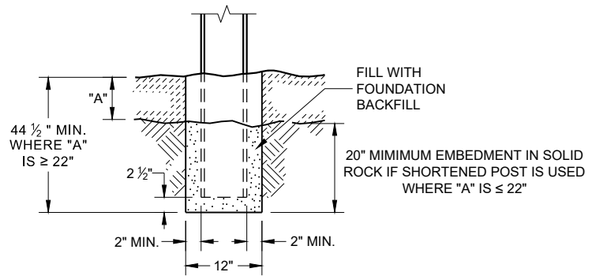
(3) IF ROCK IS ENCOUNTERED DURING EXCAVATION, PROVIDE A HOLE 12 INCHES IN DIAMETER EXTENDING 20 INCHES DEEP INTO THE ROCK. PLACE APPROXIMATELY 2 1/2" INCHES OF GRANULAR MATERIAL IN THE BOTTOM OF THE HOLE. CUT THE POSTS THE TO LENGTH AMD INSTALL. BACKFILL WITH EXCAVATED MATERIAL AND COMPACT. BACKFILL IS TO BE FREE OF LARGE ROCKS.

(4) WHEN THE DISTANCE FROM BACK OF POST TO SHOULDER HINGE POINT IS LESS THAN 2 FEET INSTALL LONGER POST AT HALF POST SPACING (K).

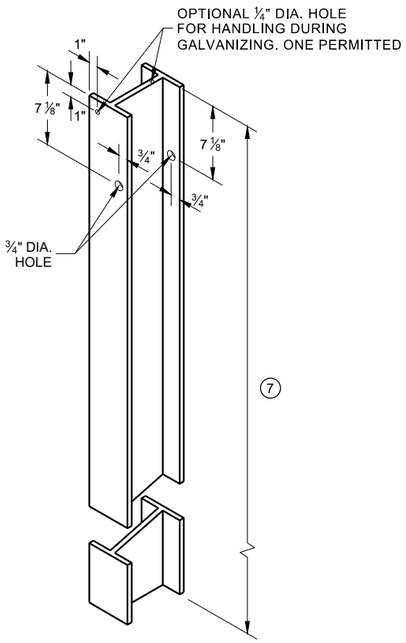
(5) FOR NEW MGS INSTALLATION TOP OF W-BEAM RAIL TOLERANCE IS ±1". FOR EXISTING MGS INSTALLATION TOP OF W-BEAM IS BETWEEN 27 ¾" TO 32".

(6) WHEN USING STEEL POST AND WOOD BLOCKOUTS INSTALL FOUR 16D GALVANIZED NAILS. INSTALL NAILS AT THE BACK CORNERS OF THE BLOCK AND BEND THE NAILS OVER THE FLANGE OF THE STEEL POST.

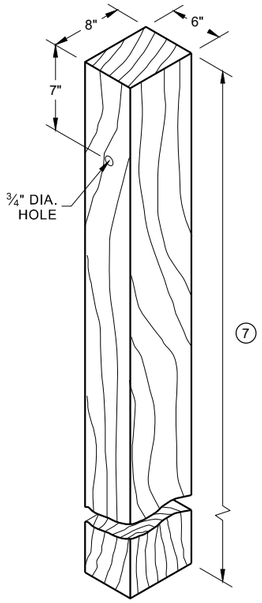
(7) TOTAL POST LENGTH FOR TYPE K IS 7' - 0".
TOTAL POST LENGTH FOR OTHER MGS TYPES IS 6' - 0".



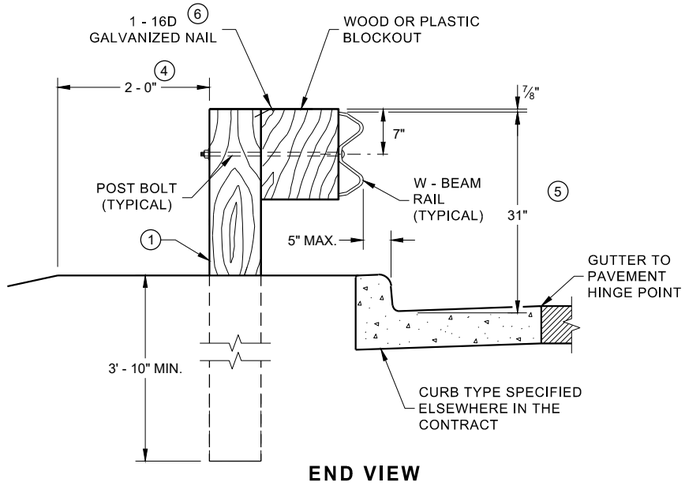
END VIEW
SETTING STEEL OR WOOD POST IN ROCK (3)



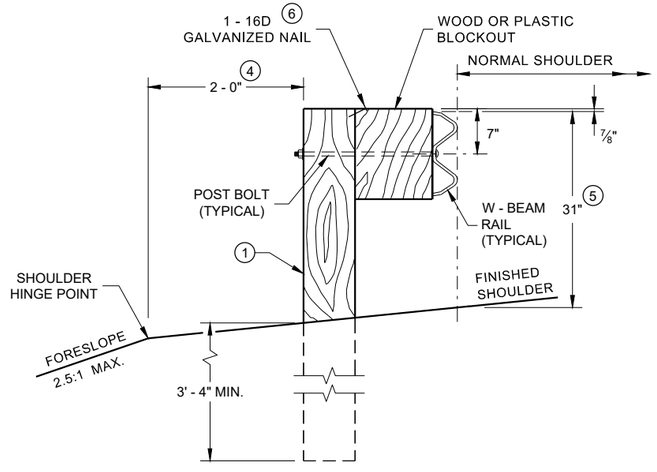
STEEL POST & HOLE PUNCHING DETAIL (W 6 X 9) (1)



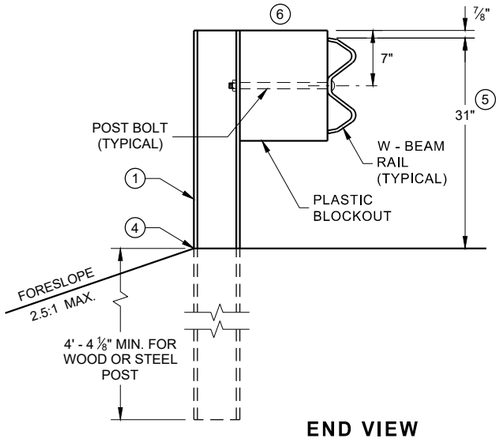
WOOD POST (6" X 8") NOMINAL (1)



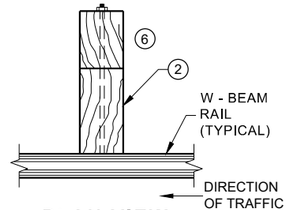
END VIEW
LOCATED ALONG A CURBED ROADWAY



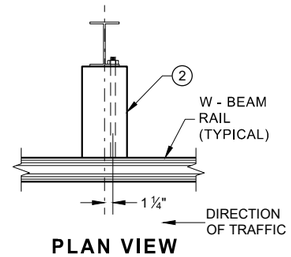
END VIEW
LOCATED ALONG A ROADWAY SHOULDER STANDARD INSTALLATION



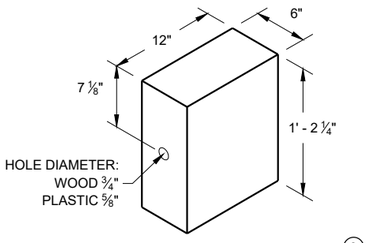
END VIEW
MGS LONGER POST AT HALFPOST SPACING W BEAM (K)



PLAN VIEW
WOOD POST, BLOCKOUT & BEAM



PLAN VIEW
STEEL POST, PLASTIC BLOCKOUT & BEAM



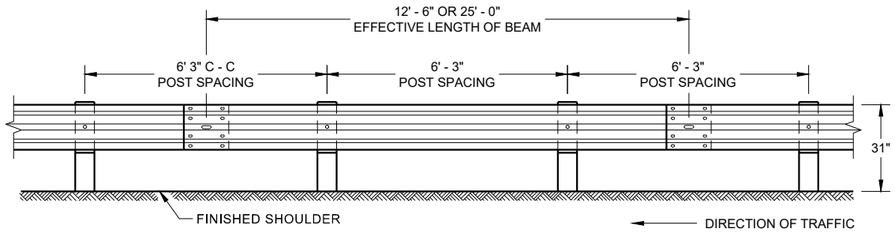
WOOD OR PLASTIC BLOCKOUT (2)

MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL

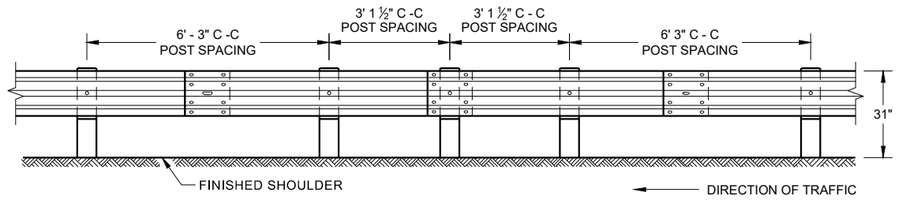
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

SDD 14B42 - 07a

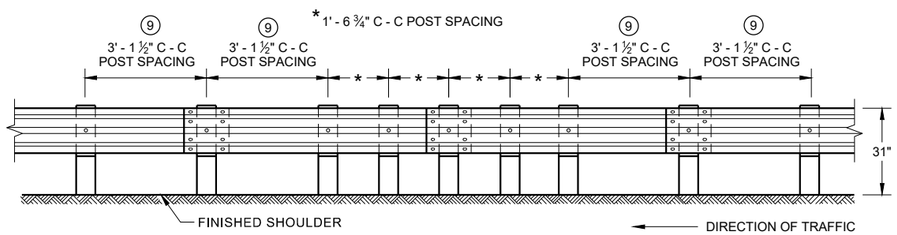
SDD 14B42 - 07a



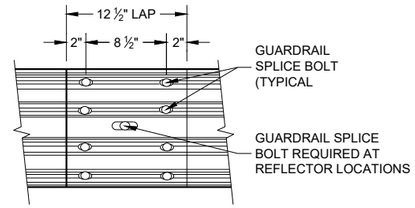
FRONT VIEW
POST SPACING STANDARD INSTALLATION



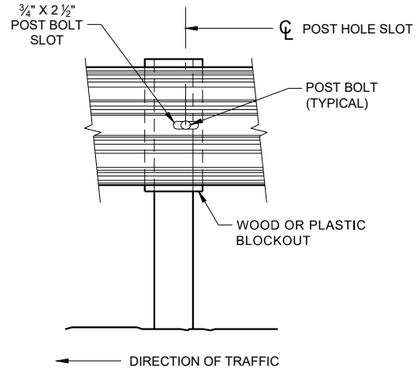
FRONT VIEW
HALF POST SPACING (HS) AND HALF POST SPACING WITH LONGER POSTS (K)



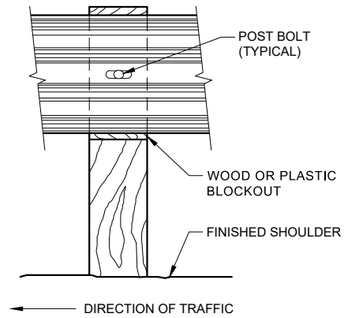
FRONT VIEW
QUARTER POST SPACING (QS)



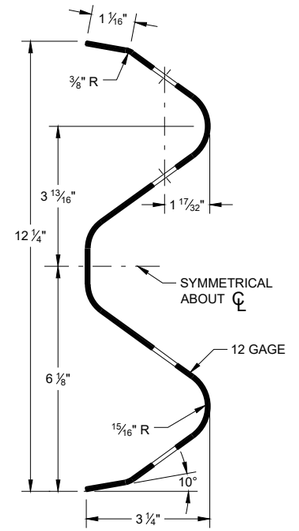
FRONT VIEW
MID-SPAN BEAM SPLICE



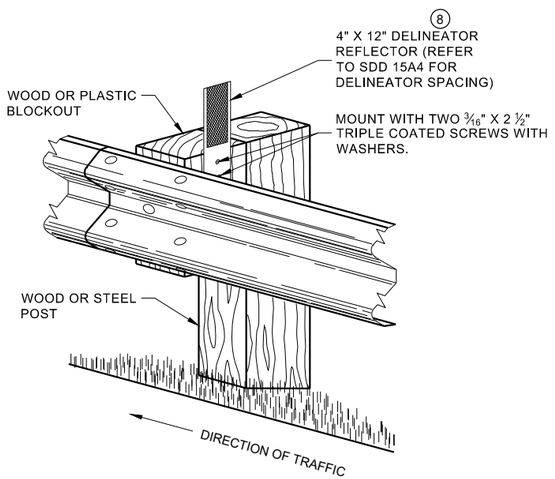
FRONT VIEW AT STEEL POST



FRONT VIEW AT WOOD POST



SECTION THRU W-BEAM RAIL



ONE SIDED REFLECTOR DETAIL AND TYPICAL INSTALLATION

GENERAL NOTES

⑧ DO NOT INSTALL REFLECTORS ON THE FIRST 50 FEET OF THE APPROACH END OF THE ENERGY ABSORBING TERMINAL.

⑨ 25 FEET OF HALF POST SPACING IS REQUIRED ON APPROACH AND DEPARTURE ENDS OF QUARTER POST SPACING.

POST BOLTS ARE A ⅝" DIAMETER ASTM A307 GUARDRAIL BOLT. A POST BOLT REQUIRES ⅝" DIAMETER A563A DOUBLE RECESSED (DR) HEAVY HEX NUT AND ⅝" DIAMETER F844 FLAT WASHER. POST BOLTS MAY BE LONGER IF MULTIPLE BLOCKOUTS ARE BEING USED.

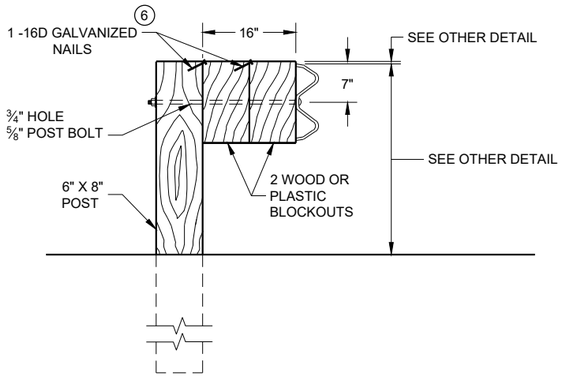
GUARD RAIL SPLICE BOLTS ARE A ⅝" DIAMETER ASTM A307 GUARDRAIL HEAD BOLT. A GUARDRAIL SPLICE BOLT REQUIRES ⅝" DIAMETER A563A DOUBLE RECESSED (DR) HEAVY HEX NUT.

MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 14B42 - 07b

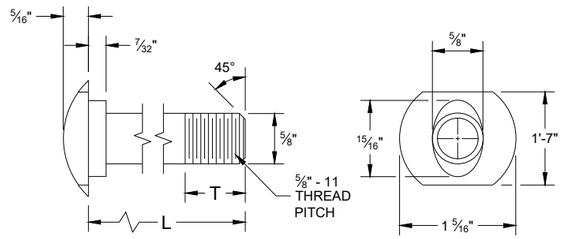


DETAIL FOR 16" BLOCKOUT DEPTH

IT IS ACCEPTABLE TO USE BLOCKOUTS UP TO 16" DEEP TO INCREASE THE POST OFFSET TO AVOID UNDERGROUND OBSTACLES. THERE IS NO LIMIT TO THE NUMBER OF POSTS THAT CAN HAVE ADDITIONAL BLOCKOUTS UP TO 16" DEEP.

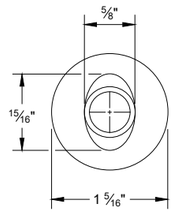
NOTE:

1. ALL FILLETS SHALL HAVE A MINIMUM RADIUS OF 3/16".
2. IF THE BOLT EXTENDS MORE THAN ¼" FROM THE NUT THE BOLT SHOULD BE TRIMMED BACK.

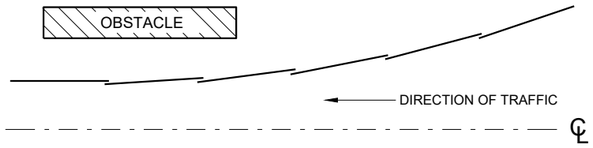


POST BOLT TABLE

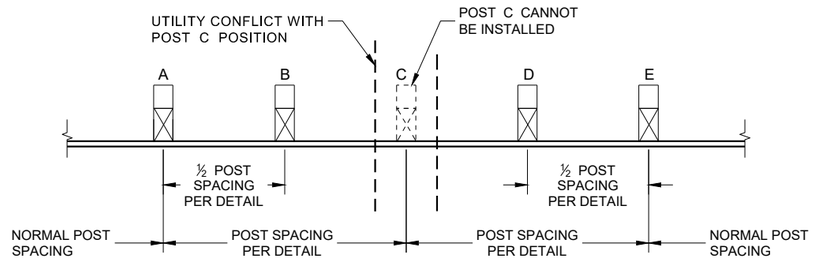
L	T (MIN.)
1 ¼"	1 ⅛"
2"	1 ¾"
10"	4"
14"	4 1/16"
18"	4"
21"	4 1/16"
25"	4"



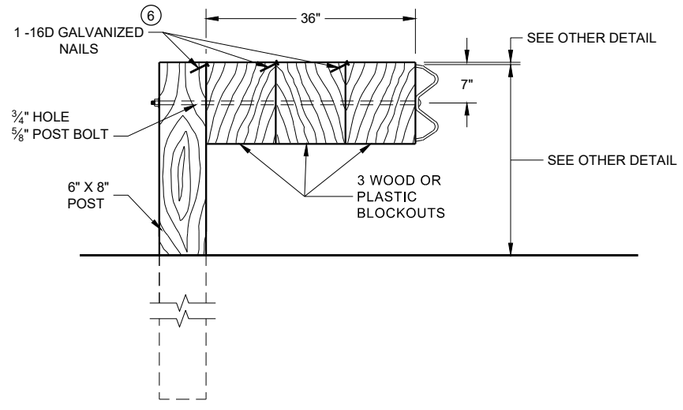
ALTERNATE BOLT HEAD



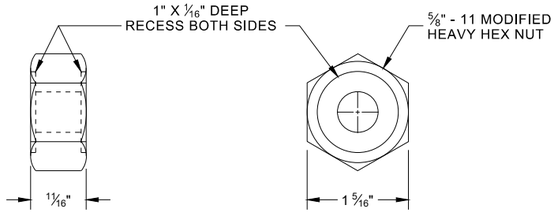
PLAN VIEW
BEAM LAPPING DETAIL



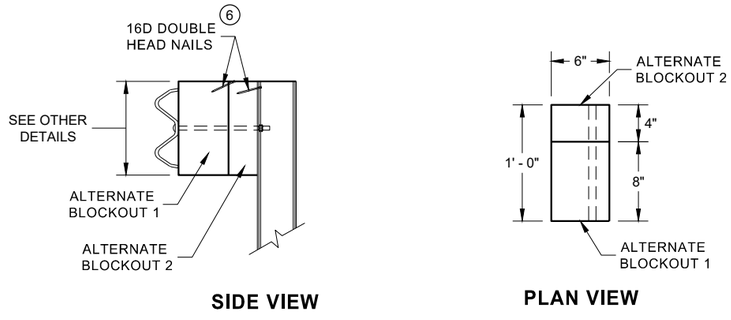
POST DRIVING FOR CONTINUOUS UNDERGROUND OBSTRUCTION



DETAIL FOR 36" BLOCKOUT DEPTH



POST BOLT, SPLICE BOLT AND RECESS NUT



SIDE VIEW

PLAN VIEW

ALTERNATE WOOD BLOCKOUT DETAIL

NOTES: UNDER SPECIAL CIRCUMSTANCES, SUCH AS AVOIDING OBSTACLES THAT ARE NOT RELOCATED, IT IS ACCEPTABLE TO INSTALL ADDITIONAL BLOCKOUTS TO OBTAIN UP TO 36" DEPTH FOR ONE OR TWO POSTS IN A SECTION OF GUARDRAIL.

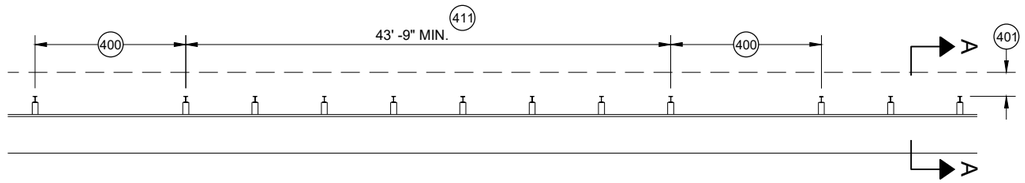
DO NOT USE 16" OR 36" BLOCKOUTS IF IT CAUSES THE POST TO BE DRIVEN BEYOND SHOULDER HINGE POINT OR CAUSES A FIXED OBJECT TO BE WITHIN THE DEFLECTION DISTANCE OF THE BARRIER.

(6) WHEN USING STEEL POST AD WOOD BLOCKOUTS, INSTALL FOUR 16D GALVANIZED NAILS. INSTALL NAILS AT THE BACK CORNERS OF THE BLOCK AND BEND THE NAILS OVER THE FLANGE OF THE STEEL POST.

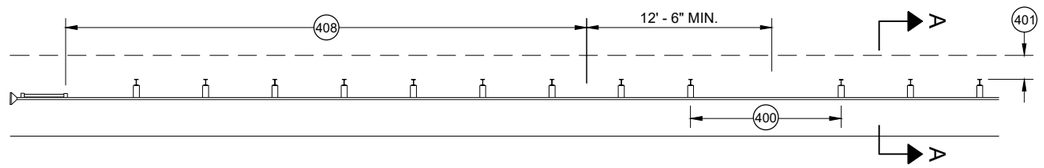
6

MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL

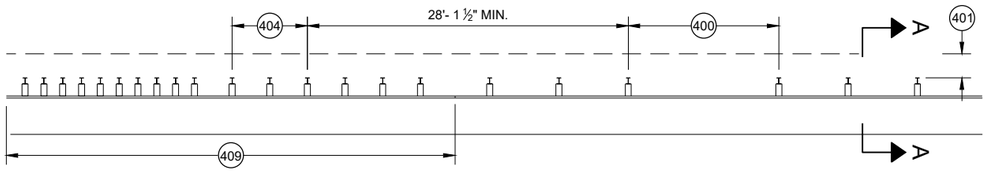
SDD 14B42 - 07c



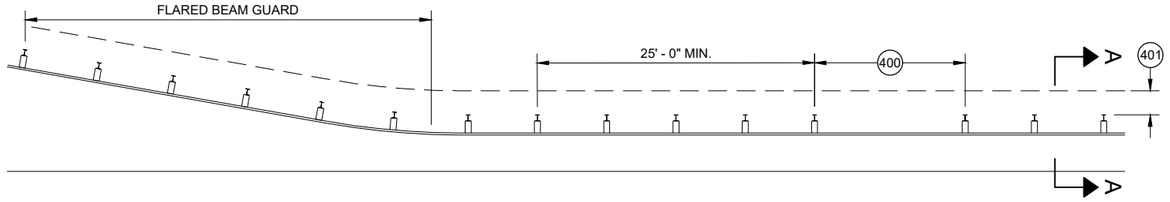
MISSING POST IN MGS GUARDRAIL



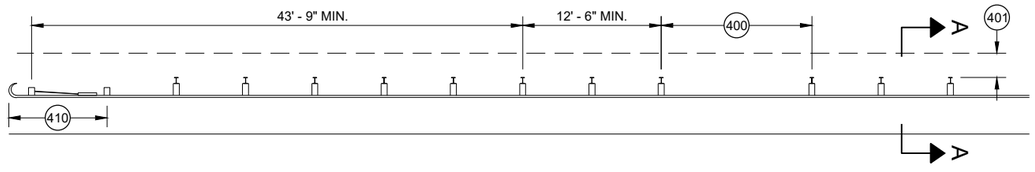
MISSING POST IN MGS GUARDRAIL NEAR EAT



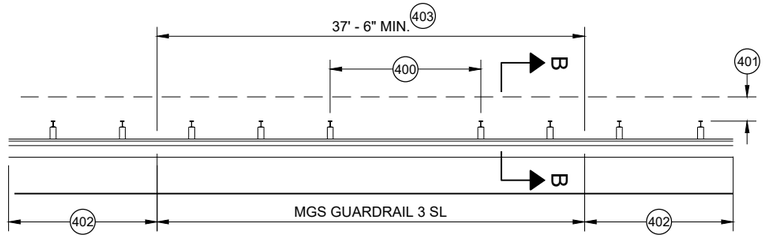
MISSING POST IN MGS GUARDRAIL NEAR AN APPROACH TRANSITION



MISSING POST IN MGS GUARDRAIL NEAR FLARED BEAM GUARD

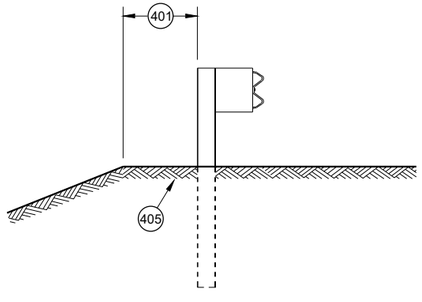


MISSING POST IN MGS GUARDRAIL NEAR A TYPE 2 END TERMINAL

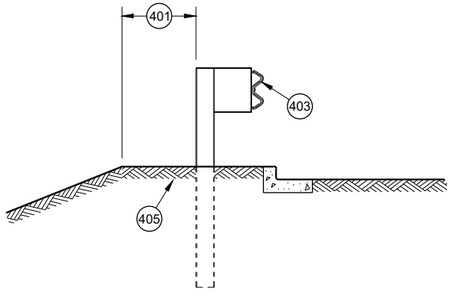


MISSING POST IN SHORT SPAN MGS GUARDRAIL NEAR CURB (SL) 407

(400) MAX SPAN 12' - 6"
(401) 2' MIN.
(402) MGS GUARDRAIL 3
(403) NESTING BEAM GUARD
(404) ASYMMETRIC TRANSITION
(405) SOIL WELL DRAINED AND COMPACTED
(406) SEE OTHER DRAWINGS IN THIS SDD
(407) SEE OTHER DRAWINGS FOR MIN. SPACING BETWEEN SPANS
(408) SEE SDD 14B44
(409) SEE SDD 14B45
(410) SEE SDD 14B47
(411) MINIMUM DISTANCE BETWEEN MISSING POST SPANS.



SECTION A - A 406



SECTION B - B 406

MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2021
DATE
/S/ Rodney Taylor
ROADWAY STANDARDS DEVE
UNIT SUPERVISOR

FHWA

6

SDD 14B42 - 07d

GENERAL NOTES

(A) THE SLOPE IN THE AREA BOUNDED BY THE GRADELINE, THE HINGE POINT LINE (HPL) AND THE CLEAR ZONE LIMITS (CZL) SHALL BE 4:1 OR FLATTER.

(B) AFTER FINAL ASSEMBLY, RECHECK CABLE TO BE SURE IT IS TAUT AND HAS NOT RELAXED

(C) DIFFERENT MANUFACTURERS REQUIRE DIFFERENT PERFORATED W - BEAM RAIL END PANELS. SEE MANUFACTURER'S INFORMATION.

(D) ATTACH ALUMINUM SHEET TO E.A.T. HEAD USING 4 STAINLESS STEEL SELF - TAPPING SCREWS. ONE SCREW PER CORNER.

(E) HARDWARE MAY VARY BETWEEN MANUFACTURER. SEE MANUFACTURER'S DRAWING FOR INFORMATION.

DIMENSIONS MAY VARY, MANUFACTURER'S INFORMATION.

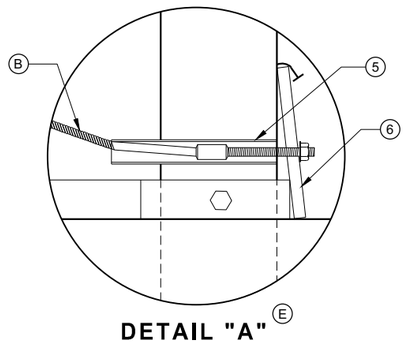
SEE SDD 14B42 FOR MORE INFORMATION.

* DO NOT ATTACH BLOCKOUTS TO POST 1 AND 2.

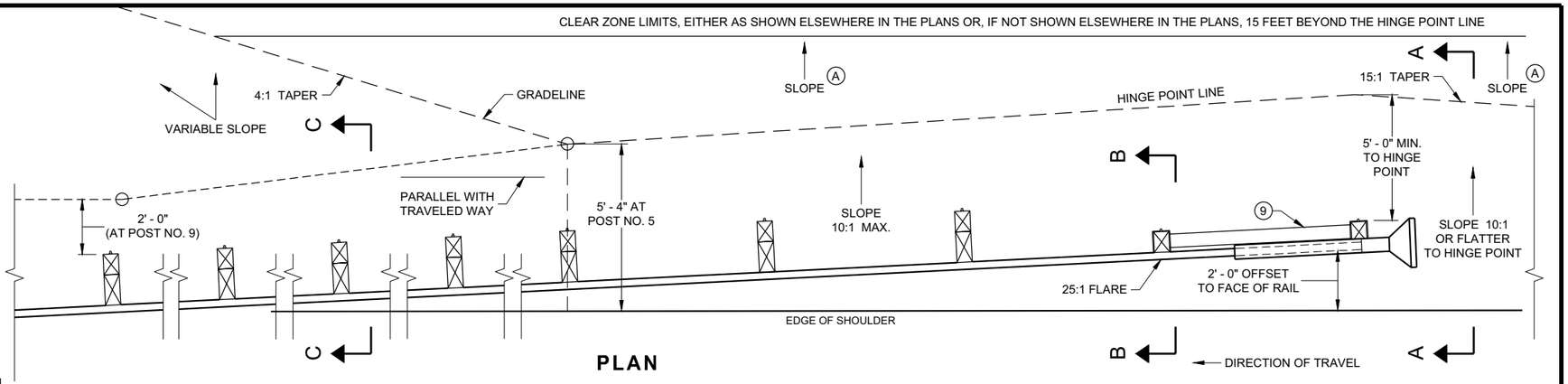
DO NOT INSTALL REFLECTORS ON THE FIRST 50 FEET OF THE APPROACH END OF THE ENERGY ABSORBING TERMINAL.

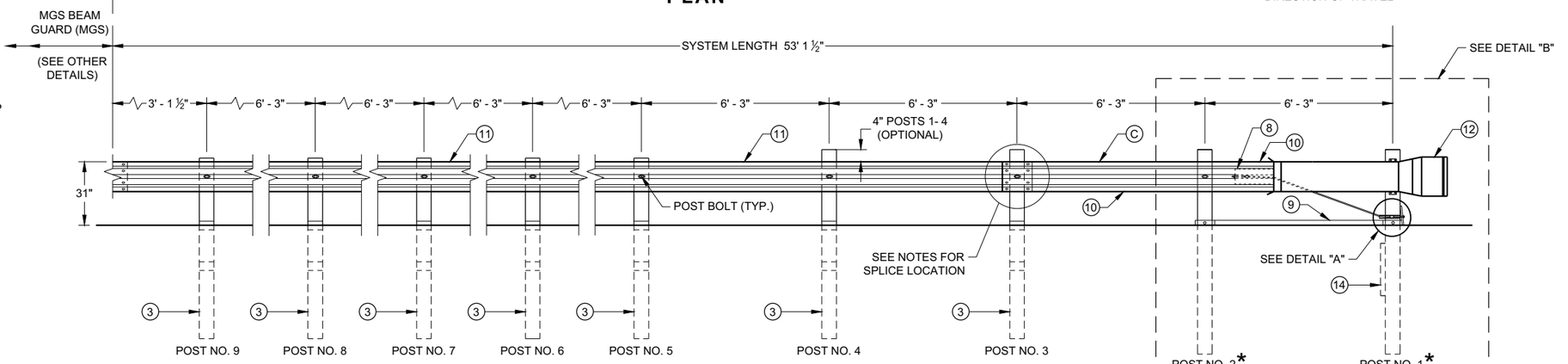
SEE MANUFACTURER'S DRAWING FOR SPLICE LOCATION, HARDWARE DIMENSIONS AND INSTALLATION INSTRUCTIONS.

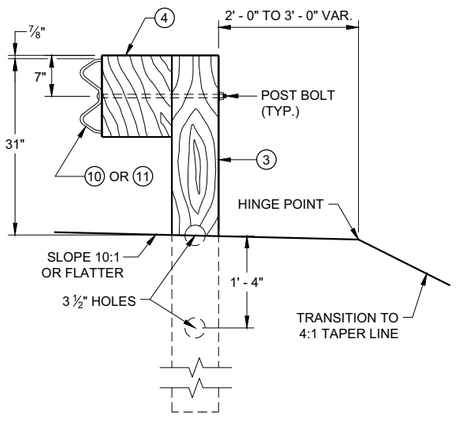
THE CENTER OF THE UPPER 3 ½" DIAMETER HOLE ON POST NUMBER 3 THROUGH POST 9 IS TO BE FLUSH WITH THE GROUND LINE UP TO A MAXIMUM OF 2" ABOVE GROUND LINE. WOOD BLOCKS ON POSTS NUMBERED 3 THROUGH 9 MAY BE ADJUSTED UP TO 3" ABOVE THE TOP OF POST.



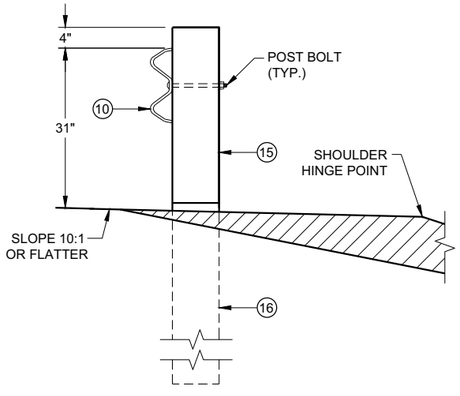
DETAIL "A" (E)



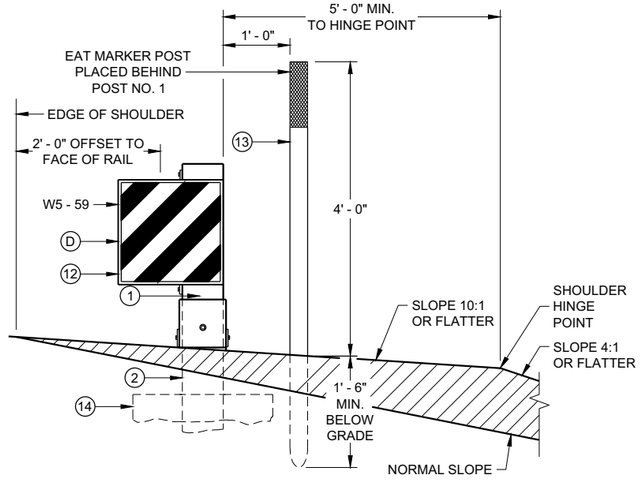




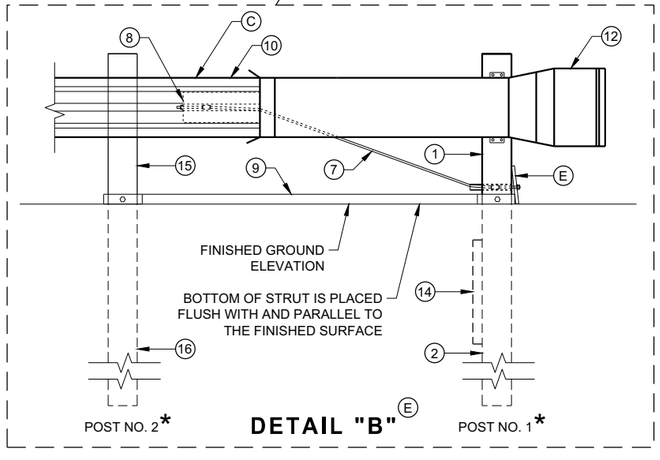
SECTION C - C
TYPICAL AT POST NOS. 3 - 9



SECTION B - B
TYPICAL AT POST NO. 2*



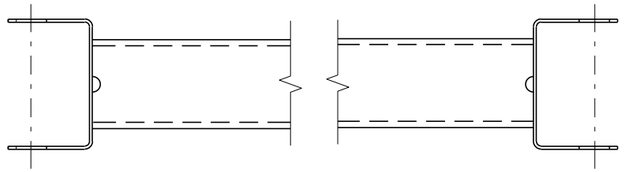
SECTION A - A
TYPICAL AT POST NO. 1*



MIDWEST GUARDRAIL SYSTEM
ENERGY ABSORBING TERMINAL (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

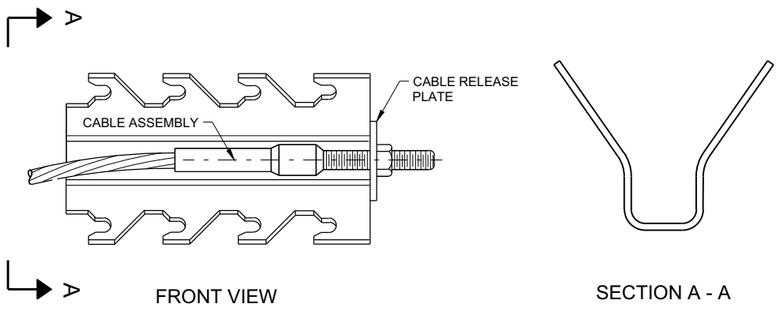
SDD 14B44 - 04a



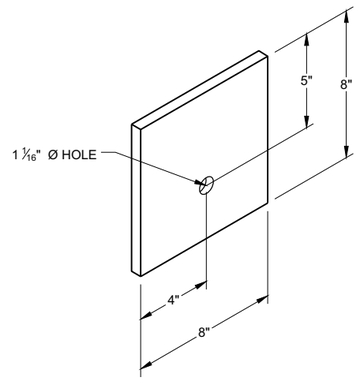
GENERIC GROUND STRUT ⑨ Ⓔ

BILL OF MATERIALS

PART NO.	DESCRIPTION MATERIALS PROVIDED BY MGS EAT MANUFACTURER. SEE MANUGACTURER'S DETAILS FOR MORE INFORMATION.
①	UPPER POST NO. 1 6" X 6" TUBE
②	LOWER POST NO. 1
③	WOOD CRT
④	WOOD BLOCKOUT
⑤	PIPE SLEEVE
⑥	BEARING PLATE
⑦	BCT CABLE ASSEMBLY
⑧	ANCHOR CABLE BOX
⑨	GROUND STRUT
⑩	PERFORATED W-BEAM RAIL END PANEL, 12'-6" LONG.
⑪	STANDARD W-BEAM RAIL. MULTIPLE SECTIONS REQUIRED. SECTIONS VARY IN LENGTH.
⑫	IMPACT HEAD
⑬	EAT MARKER POST - YELLOW (SEE APPROVED PRODUCTS LIST)
⑭	SOIL PLATE
⑮	UPPER POST NO. 2
⑯	LOWER POST NO. 2



GENERIC ANCHOR CABLE BOX ⑧ Ⓔ



BEARING PLATE ⑥ Ⓔ

6

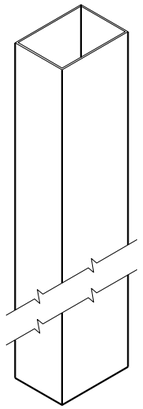
6

SDD 14B44 - 04b

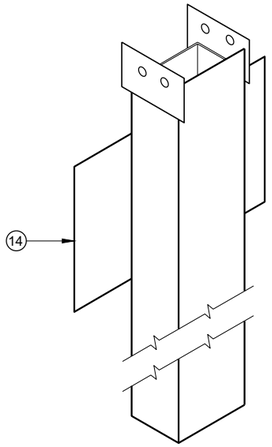
SDD 14B44 - 04b

MIDWEST GUARDRAIL SYSTEM
ENERGY ABSORBING TERMINAL
(MGS)

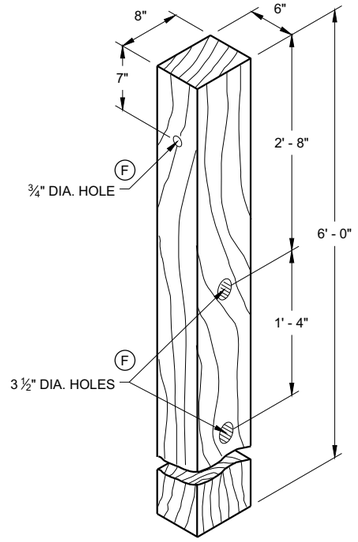
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



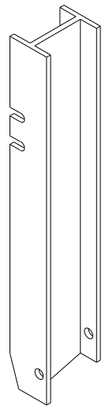
UPPER POST NO. 1 (1) (E)



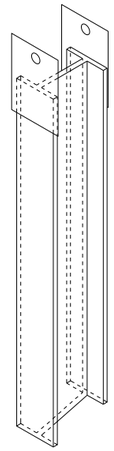
LOWER POST NO. 1 (2) (E)



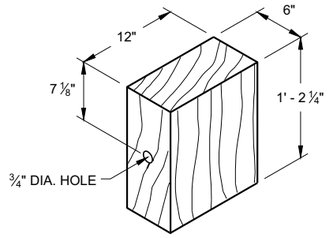
WOOD CRT POST (3) (E)
POSTS NUMBER 3-9



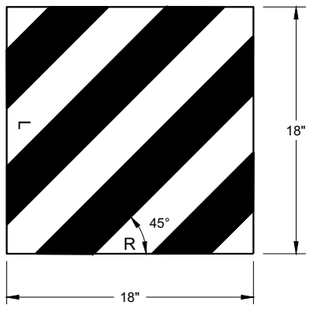
UPPER POST NO. 2 (15) (E)



LOWER POST NO. 2 (16) (E)

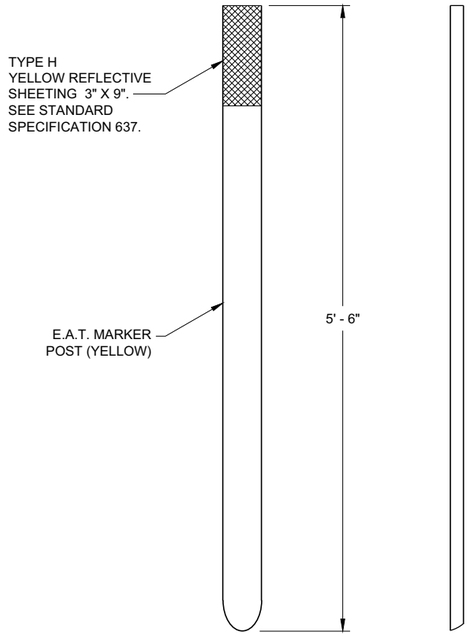


WOOD BLOCKOUT (4)
REQ'D. AT ALL POSTS EXCEPT POST NO'S 1 & 2



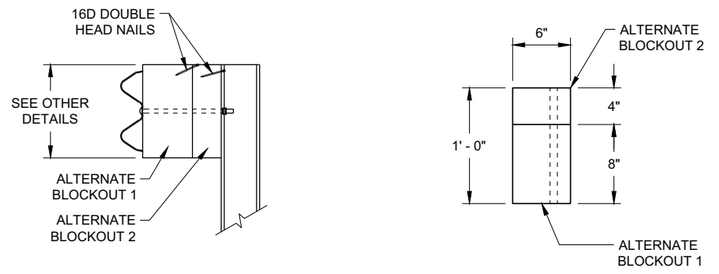
W5 - 59

REFLECTIVE SHEETING DETAIL (E)



FRONT VIEW SIDE VIEW

E.A.T. MARKER POST (13)



SIDE VIEW TOP VIEW

ALTERNATE WOOD BLOCKOUT DETAIL

MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)

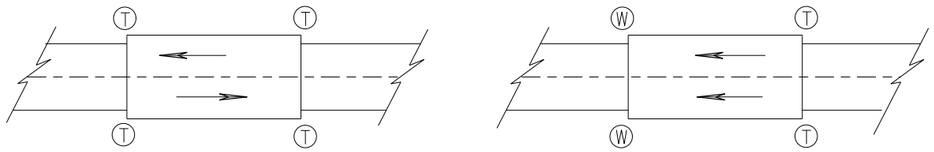
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
7/2018
DATE
/S/ Rodney Taylor
ROADWAY STANDARDS DEVE
UNIT SUPERVISOR

FHWA

6

SDD 14B44 - 04c



TWO WAY TRAFFIC

ONE WAY TRAFFIC

(T) THRIE BEAM CONNECTION

(W) W-BEAM CONNECTION WHEN REQUIRED

TYPICAL LOCATIONS OF THRIE BEAM AND W-BEAM CONNECTIONS TO BRIDGE

GENERAL NOTES

IF ROCK IS ENCOUNTERED, REMOVE ROCK TO FULL DEPTH OF POST PLUS 2½", AND 12" DIAMETER AROUND POST. SEE 14B42 FOR MORE DETAILS.

TRANSITION USES STEEL POSTS ONLY.

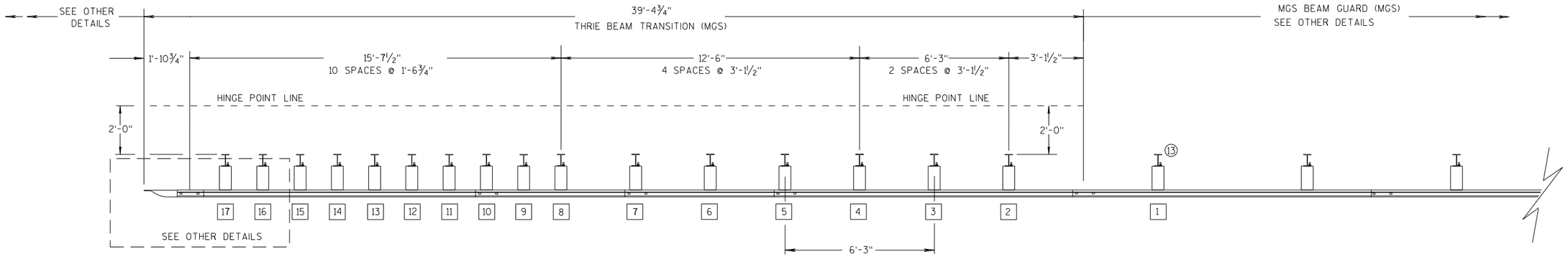
SEE STANDARD DETAIL DRAWING 14 B 42 FOR MORE INFORMATION.

POST 2 THROUGH 17 USES STEEL POST ONLY

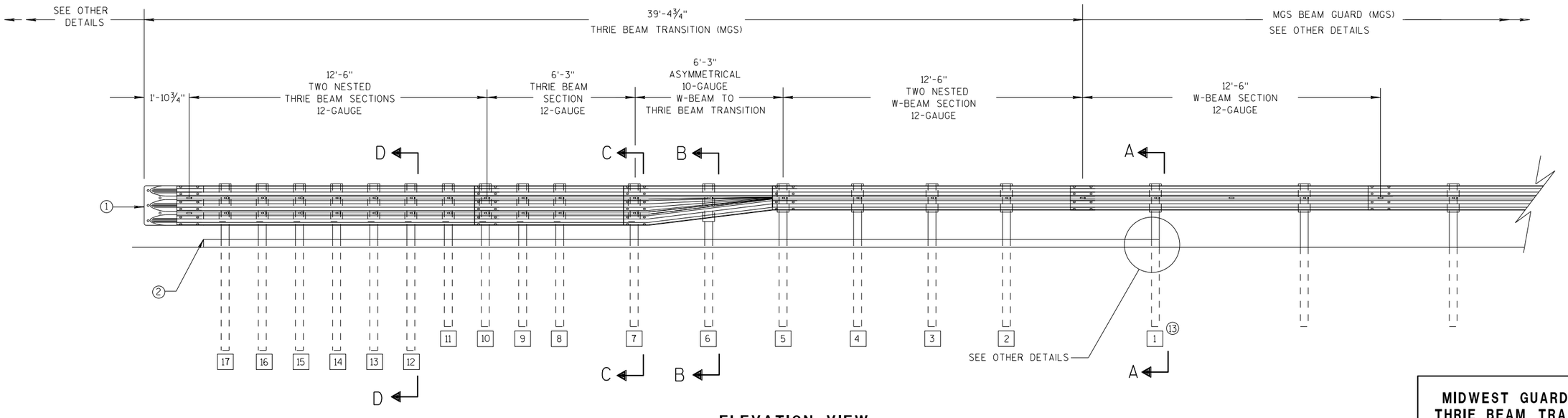
(1) BRIDGE RAILING TYPE "W" DOES NOT REQUIRE A TERMINAL CONNECTOR.

(2) OPTIONAL CURB AND GUTTER OR DRAINAGE FEATURE SEE PLAN FOR INFORMATION.

(13) STEEL OR WOOD POST IS ACCEPTABLE AT POST 1. SEE SDD14B42



PLAN VIEW



ELEVATION VIEW

MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION

MIDWEST GUARDRAIL SYSTEM
THRIE BEAM TRANSITION (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR 454

6

S.D.D. 14 B 45-5a

6

S.D.D. 14 B 45-5a

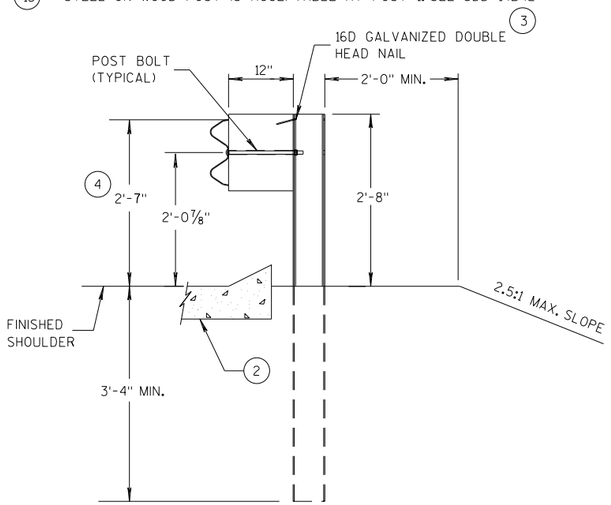
GENERAL NOTES

(2) OPTIONAL CURB AND GUTTER OR DRAINAGE FEATURE SEE PLAN FOR INFORMATION.

(3) WHEN USING STEEL POSTS AND WOOD BLOCKOUTS INSTALL FOUR 10D GALVANIZED NAILS. INSTALL NAILS AT THE BACK CORNERS OF THE BLOCK AND BEND THE NAILS OVER THE FLANGE OF THE STEEL POST.

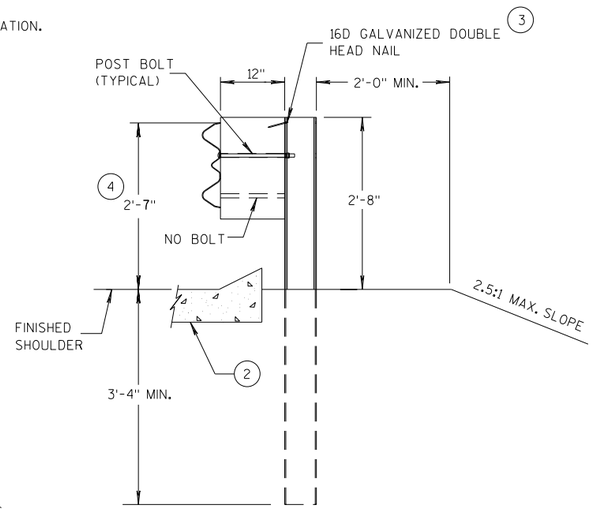
(4) TOLERANCE FOR TOP OF W-BEAM RAIL IS ± 1".

(13) STEEL OR WOOD POST IS ACCEPTABLE AT POST 1. SEE SDD 14B42



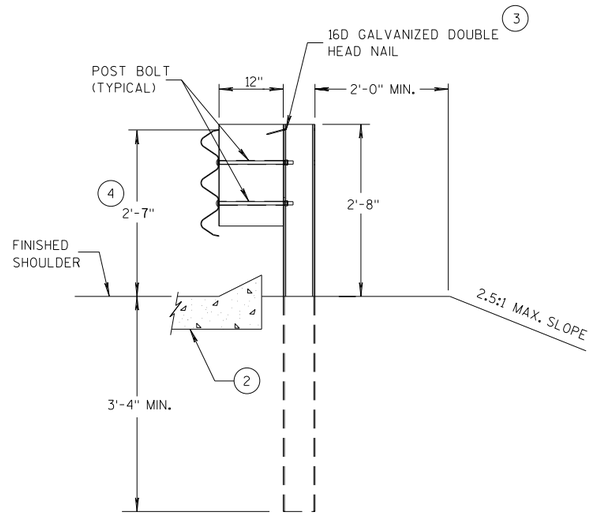
SECTION A-A (13)

POSTS 1-5



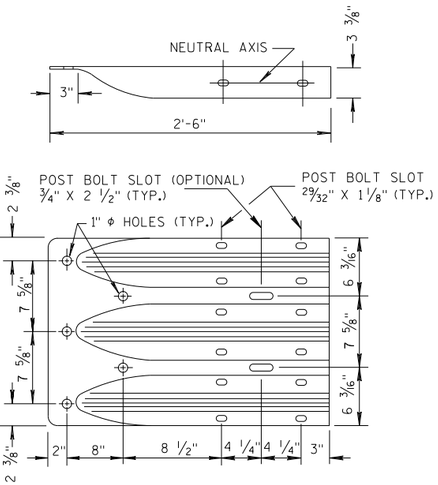
SECTION B-B

POST 6

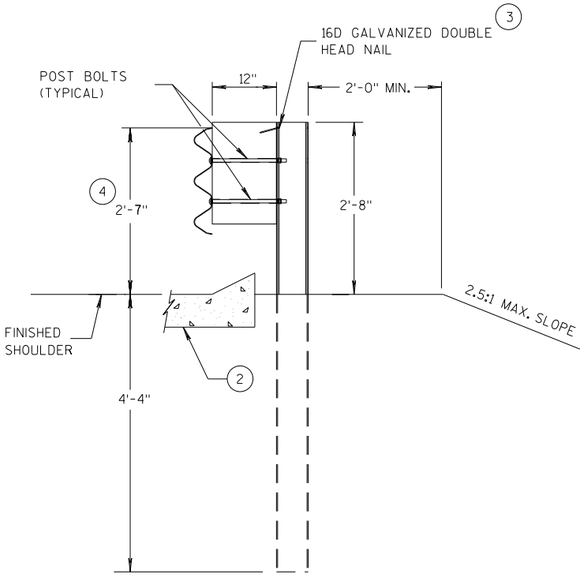


SECTION C-C

POSTS 7-11

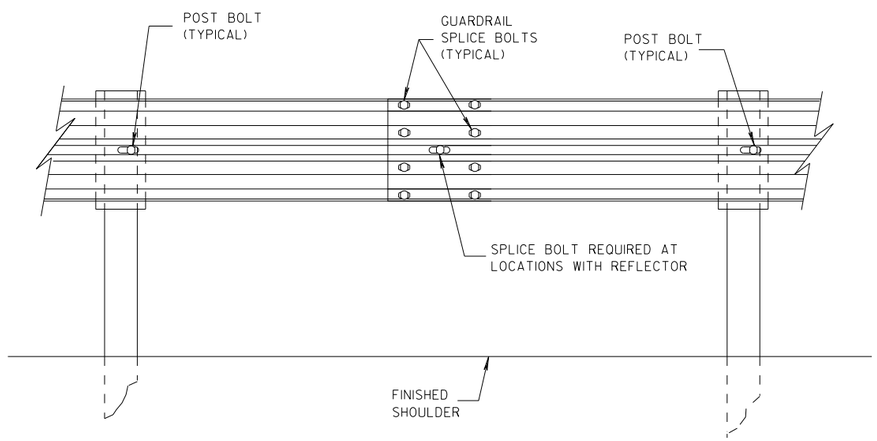


THRIE BEAM TERMINAL CONNECTOR



SECTION D-D

POSTS 12-17



SPLICE DETAIL

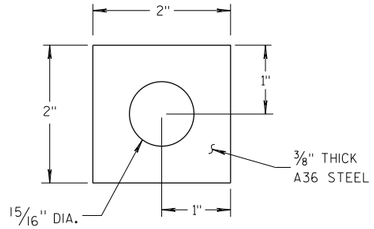
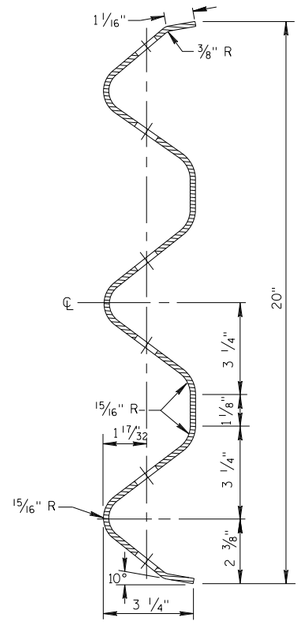


PLATE WASHER DETAIL



SECTION THRU THRIE BEAM RAIL ELEMENT

MIDWEST GUARDRAIL SYSTEM
THRIE BEAM TRANSITION (MGS)

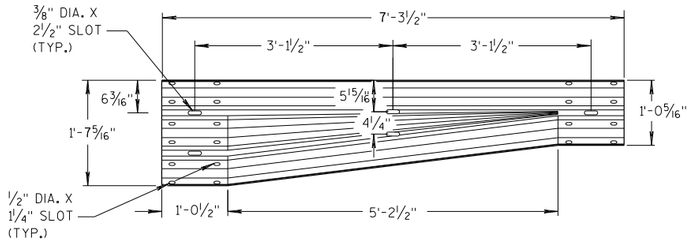
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR 455

6

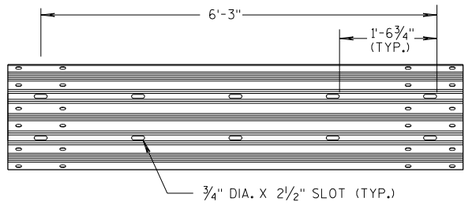
S.D.D. 14 B 45-5b

6

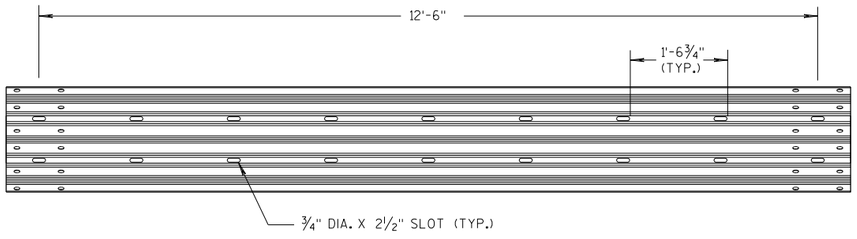
S.D.D. 14 B 45-5b



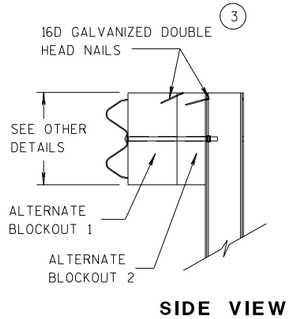
W-BEAM TO THRIE BEAM TRANSITION SECTION



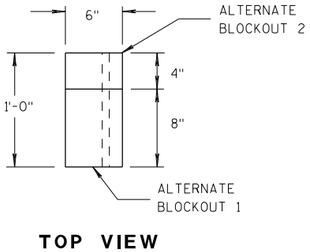
6'-3" THRIE BEAM SECTION



12'-6" THRIE BEAM SECTION

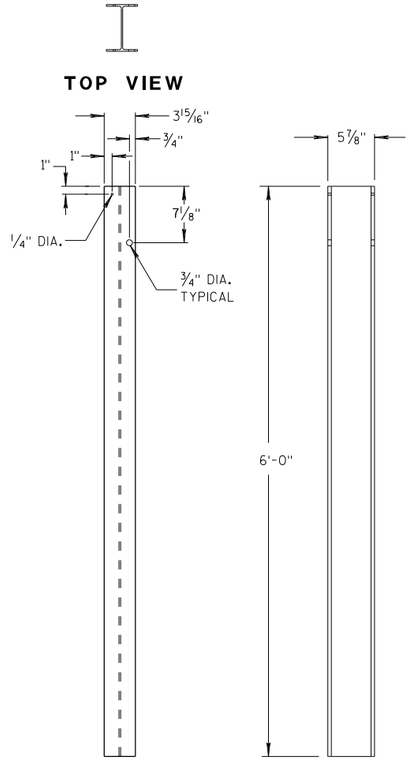


SIDE VIEW



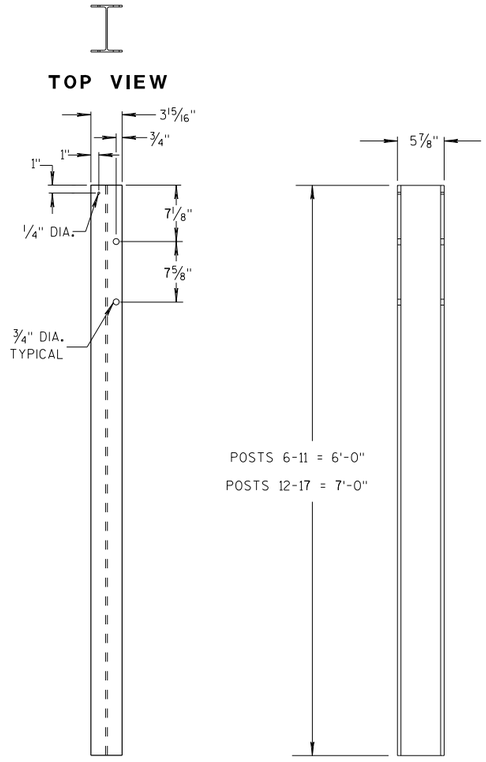
TOP VIEW

ALTERNATE WOOD BLOCKOUT DETAIL



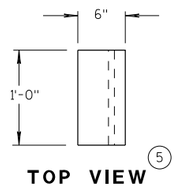
FRONT VIEW SIDE VIEW

STEEL POSTS 1-5 (13)

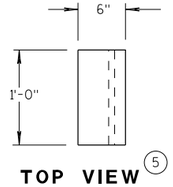


FRONT VIEW SIDE VIEW

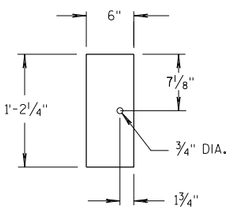
STEEL POSTS 6-17



TOP VIEW (5)

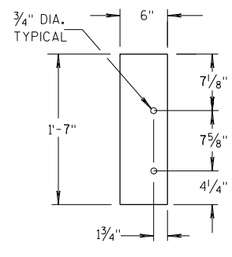


TOP VIEW (5)



FRONT VIEW

BLOCKOUT POSTS 1-5



FRONT VIEW

BLOCKOUT POSTS 6-17

GENERAL NOTES

STEEL POSTS ARE W6X9 OR W6X8.5.

BOLT HOLES FOR POST ARE ON FRONT AND OF SIDE OF POST.

(3) WHEN USING STEEL POSTS AND WOOD BLOCKOUTS INSTALL FOUR 16D GALVANIZED NAILS. INSTALL NAILS AT THE BACK CORNERS OF THE BLOCK AND BEND THE NAILS OVER THE FLANGE OF THE STEEL POST.

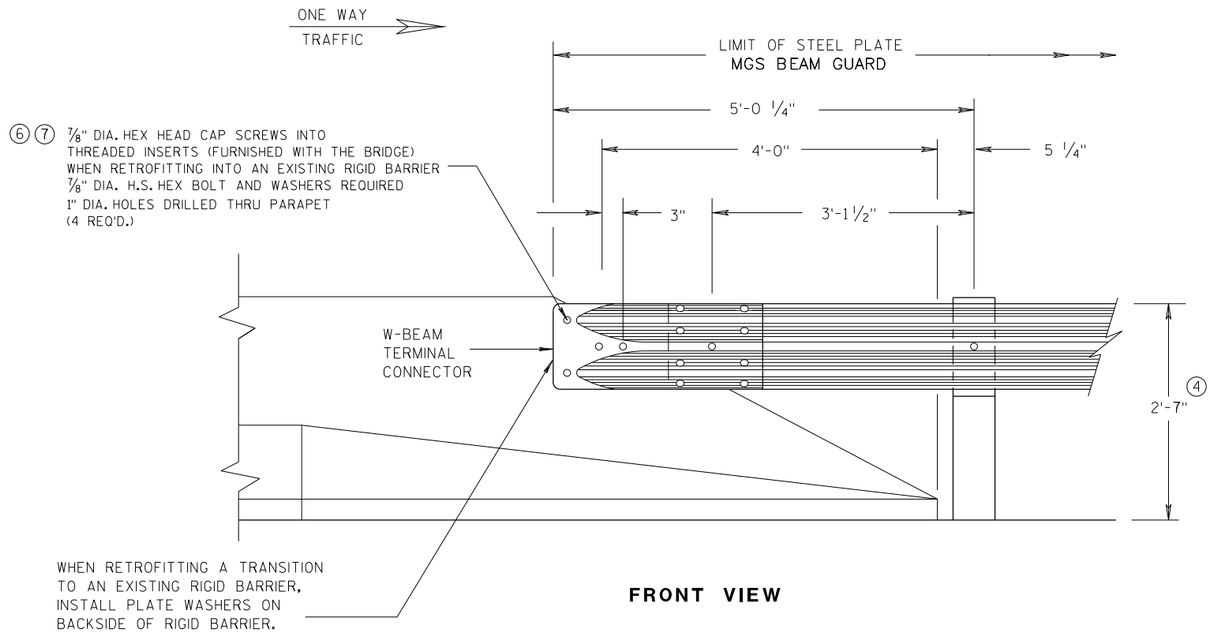
(5) WOOD BLOCKS MAY BE CONSTRUCTED OUT OF 2 WOOD BLOCKS. SEE ALTERNATE WOOD BLOCK DETAIL.

(13) STEEL OR WOOD POST IS ACCEPTABLE AT POST 1. SEE SDD 14B42.

MIDWEST GUARDRAIL SYSTEM
THRIE BEAM TRANSITION (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR 456

6
S.D.D. 14 B 45-5c



FRONT VIEW

W BEAM CONNECTION TO PARAPETS WITH SLOPED ENDS

(USE ONLY AT TRAFFIC EXIT END OF ONE WAY BRIDGE)

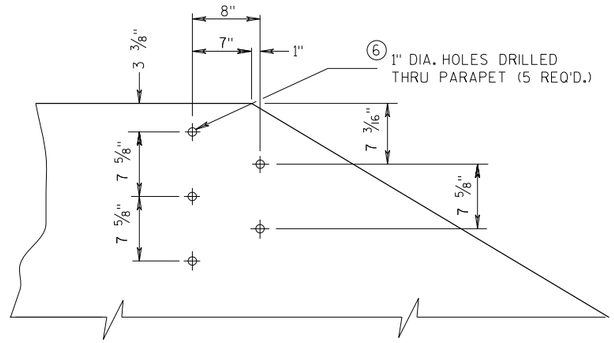
GENERAL NOTES

② OPTIONAL CURB AND GUTTER OR DRAINAGE FEATURE SEE PLAN FOR INFORMATION.

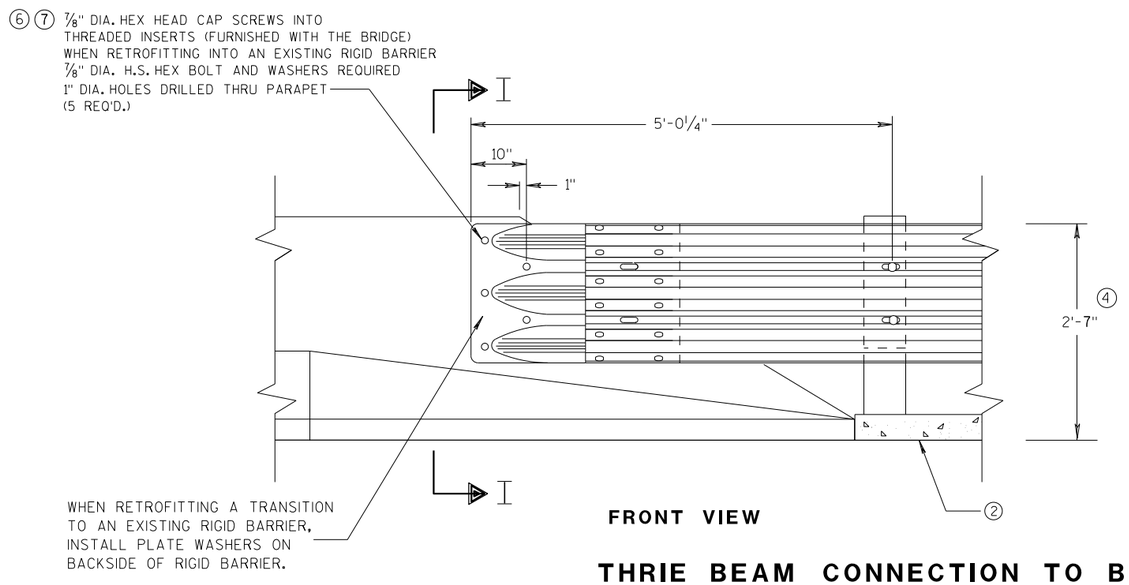
④ TOLERANCE FOR TOP OF BEAM IS ± 1".

⑥ DRILLING BOLT HOLES THROUGH THE PARAPET, BOLTS, NUTS, WASHERS AND REPAIRING DAMAGED CONCRETE ARE INCIDENTAL TO THE CONTRACT.

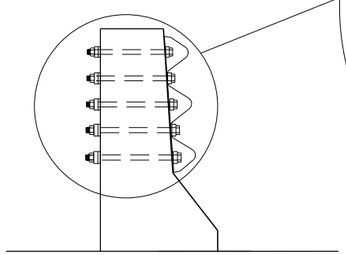
⑦ BOLTS MAY BE A325 BOLTS OR A449 BOLTS. BOLT LENGTH AND THREADING LENGTH ARE TO ALLOW FOR A TIGHT CONNECTION BETWEEN RIGID BARRIER AND THRIE BEAM CONNECTION PLATE. CONTRACTOR IS TO FIELD VERIFY BOLT LENGTH AND THREAD LENGTH. ONE ROUND WASHER REQUIRED BETWEEN BOLT HEAD AND THRIE BEAM CONNECTOR PLATE. BOLTS THAT EXTEND THROUGH THE PARAPET AND OUT THE BACK FACE REQUIRE A HARDENED ROUND STEEL WASHER THAT IS 2" O.D. X 5/32" THICK AND ONE PLATE WASHER. REPAIR ANY DAMAGED CONCRETE FROM BOLT INSTALLATION.



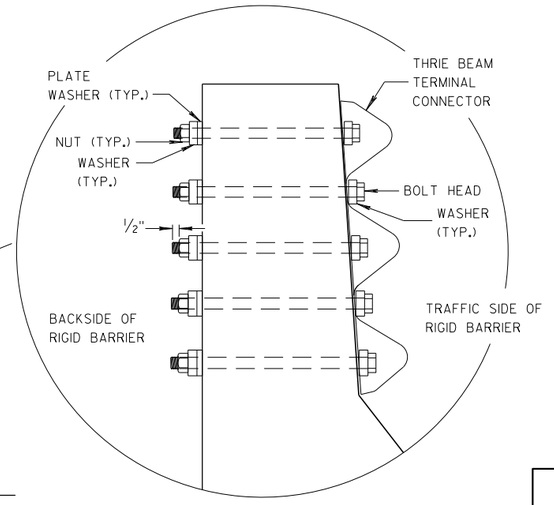
DRILL HOLE LOCATION AND PATTERN FOR THRIE BEAM CONNECTION



FRONT VIEW



SECTION I-I



THRIE BEAM CONNECTION TO BRIDGE PARAPETS WITH SLOPED ENDS

MIDWEST GUARDRAIL SYSTEM
THRIE BEAM TRANSITION (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
07/2018 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR
FHWA

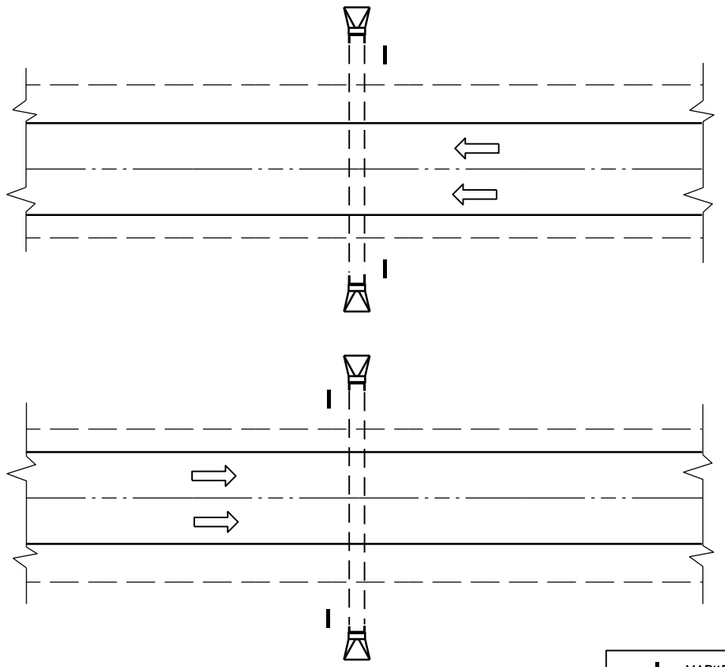
457

6

S.D.D. 14 B 45-5f

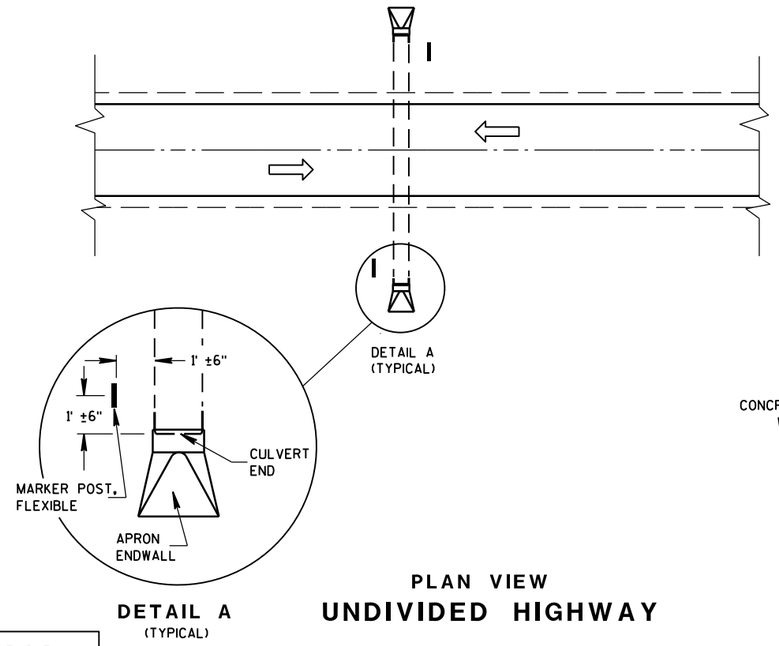
6

S.D.D. 14 B 45-5f



PLAN VIEW

DIVIDED HIGHWAY



DETAIL A
(TYPICAL)

PLAN VIEW

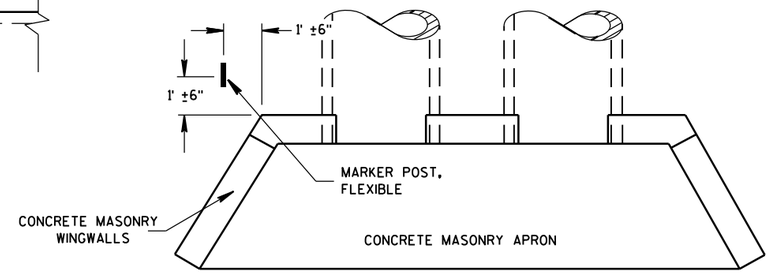
UNDIVIDED HIGHWAY

MARKER POST, FLEXIBLE

DIRECTION OF TRAFFIC FLOW

GENERAL NOTES

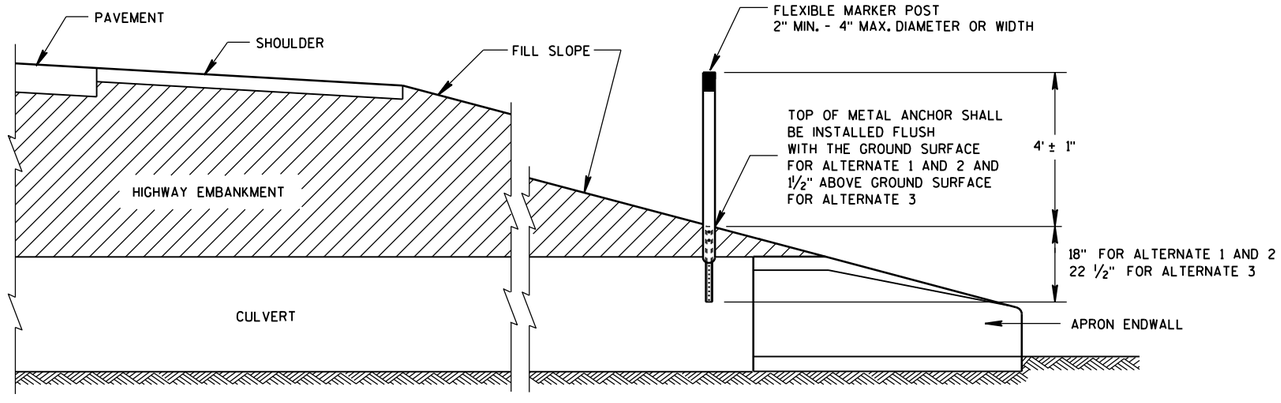
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.



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

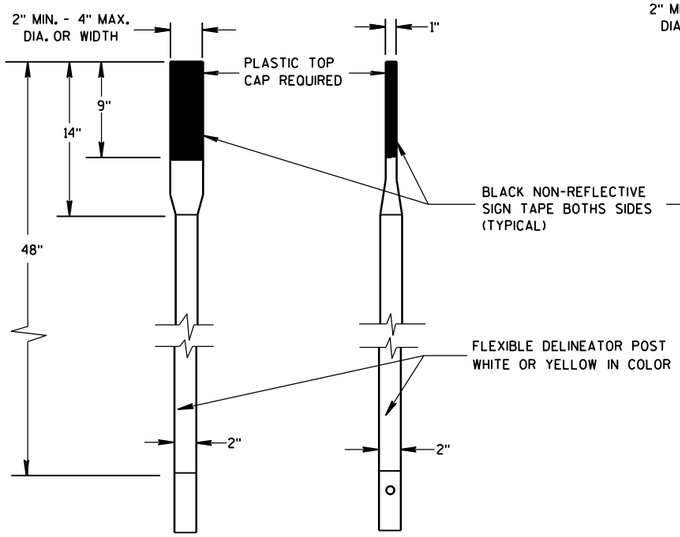
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

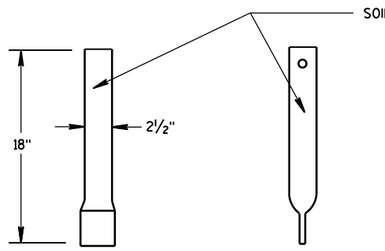
6

S.D.D. 15 A 3-2a

6

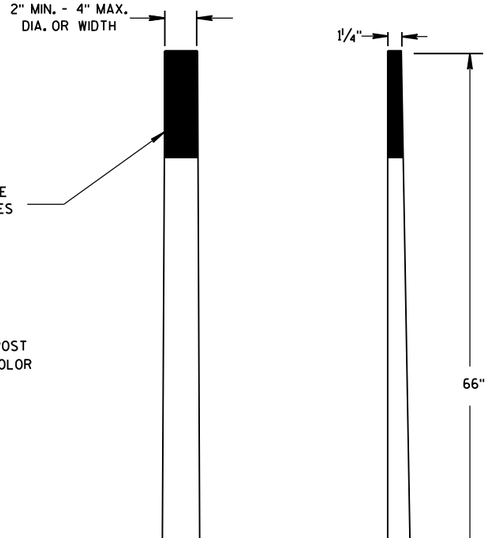
S.D.D. 15 A 3-2a





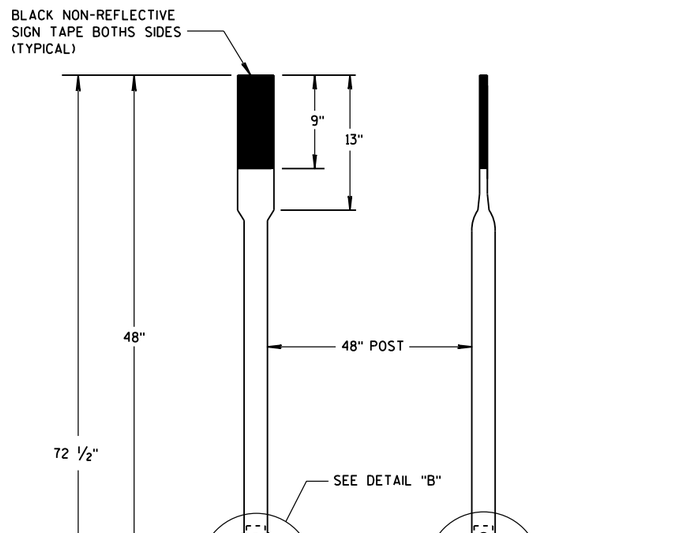
FRONT VIEW SIDE VIEW

ALTERNATE 1



FRONT VIEW SIDE VIEW

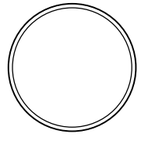
ALTERNATE 2



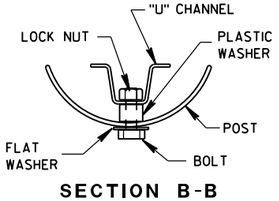
FRONT VIEW SIDE VIEW

ALTERNATE 3

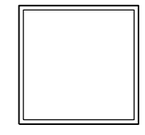
FLEXIBLE MARKER POSTS



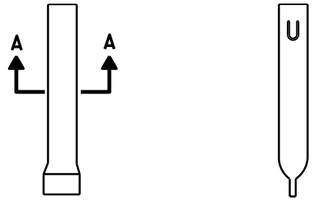
SECTION A-A



SECTION B-B

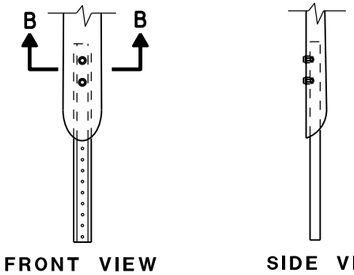


SECTION C-C



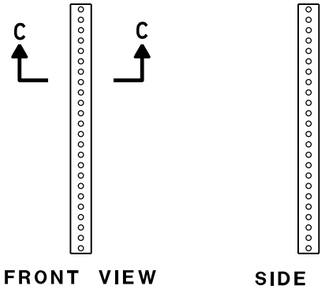
FRONT VIEW SIDE VIEW

ALTERNATE 1



FRONT VIEW SIDE VIEW

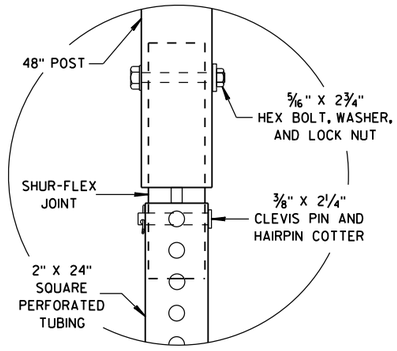
ALTERNATE 2



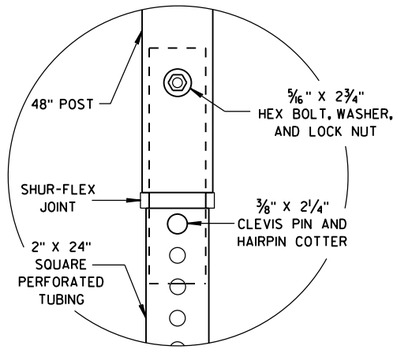
FRONT VIEW SIDE VIEW

ALTERNATE 3

FLEXIBLE MARKER POST ANCHORS



DETAIL B



DETAIL C

FLEXIBLE MARKER POST
FOR CULVERT END

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

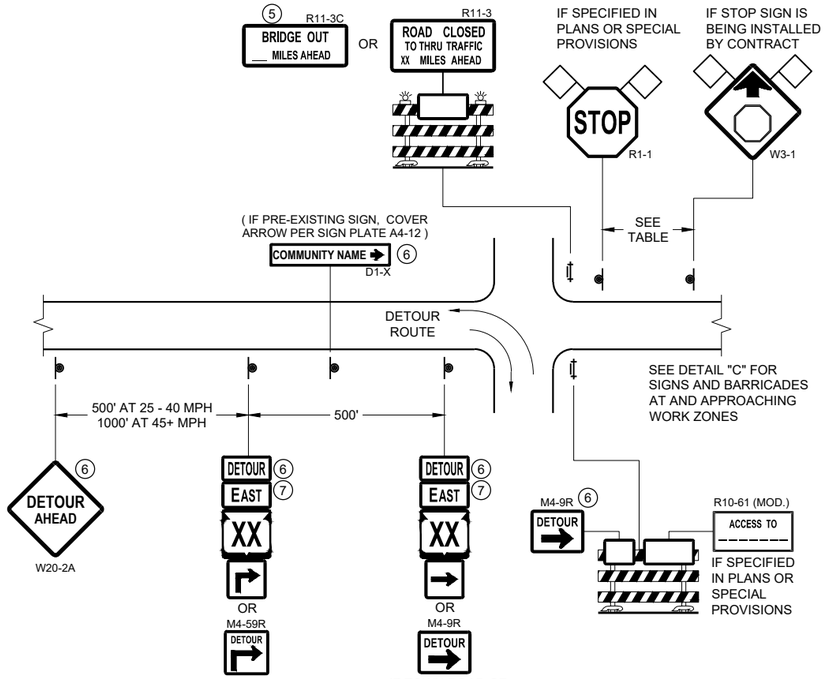
APPROVED
10/1/2012 — DATE
/S/ Travis Feltes — STATE TRAFFIC ENGINEER
459
FHWA

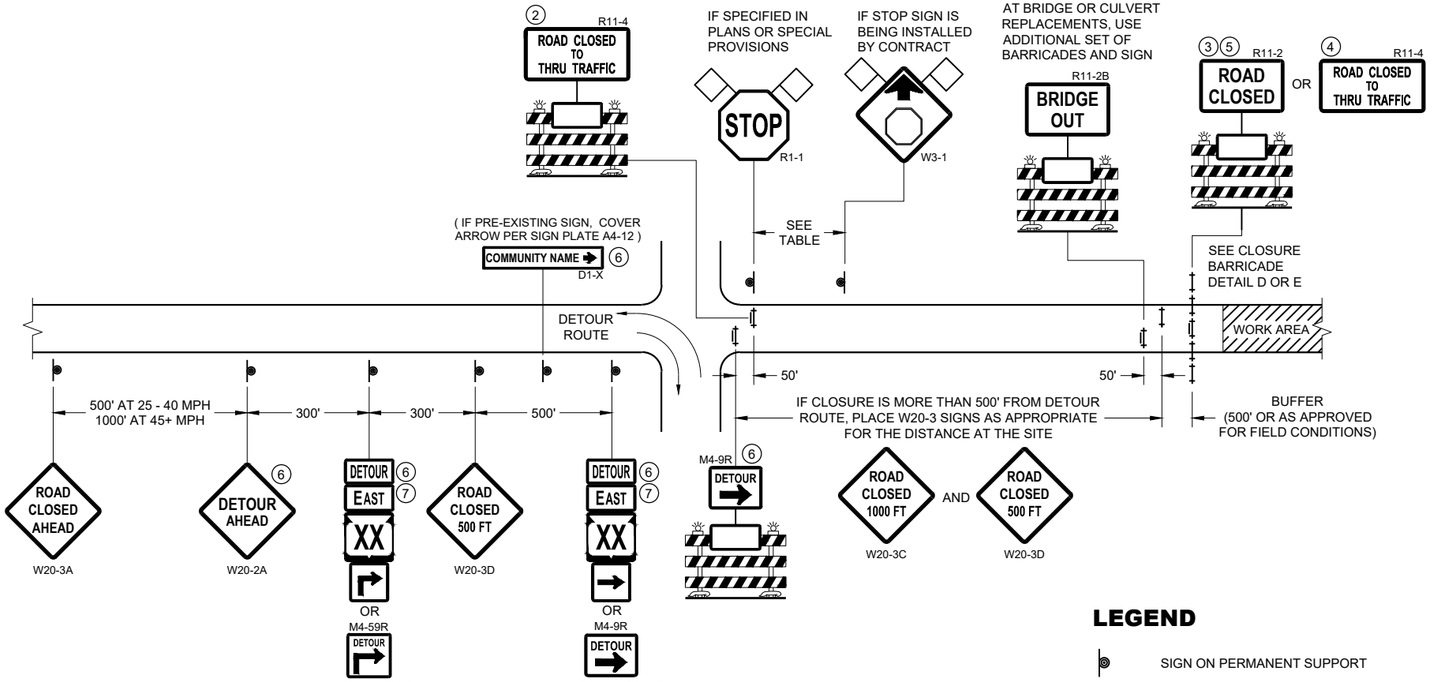
6

S.D.D. 15 A 3-2b

6

S.D.D. 15 A 3-2b



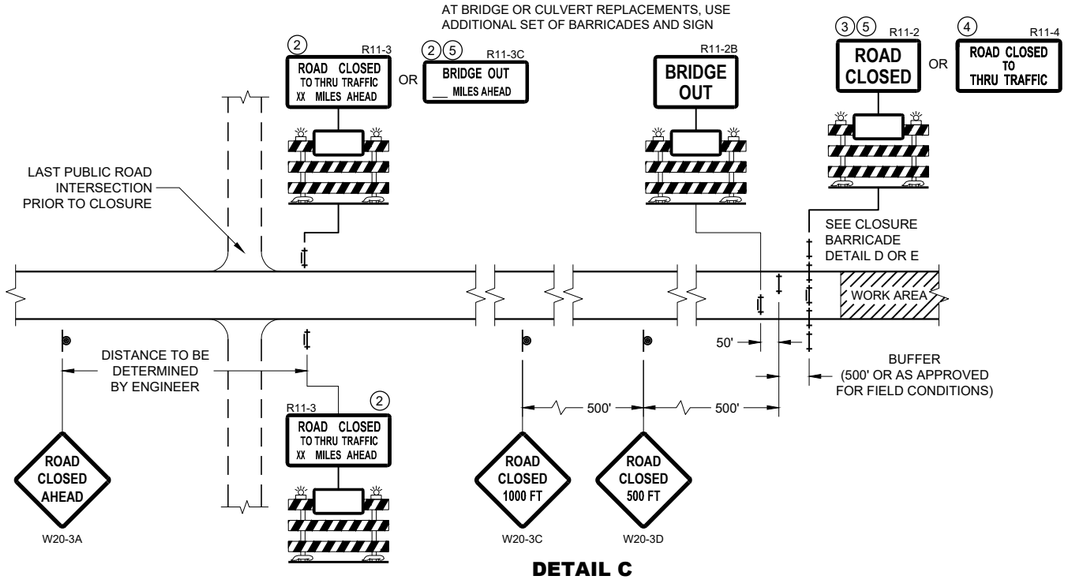


DETAIL A
MAINLINE CLOSURE WITH POSTED DETOUR

WORK ZONE GREATER THAN OR EQUAL TO ½ MILE FROM DETOUR ROUTE (1000 FEET IF URBAN)

DETAIL B
MAINLINE CLOSURE WITH POSTED DETOUR

WORK ZONE LESS THAN ½ MILE FROM DETOUR ROUTE (1000 FEET IF URBAN)



DETAIL C
MAINLINE CLOSURE, NO POSTED DETOUR

SPEED LIMIT (MPH)	"STOP AHEAD" ADVANCE WARNING DISTANCE (FT)
25	200
30	200
35	350
40	350
45	500
50	550
55	750

SEE SDD 15C2-SHEET "b"
FOR GENERAL NOTES
AND FOOTNOTES ① THROUGH ⑦

LEGEND

- SIGN ON PERMANENT SUPPORT
- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- WORK AREA
- FLAGS, 16" X 16" MIN. (ORANGE)
- DETOUR — M4 - 8
- EAST — M3 - X
- XX — M1 - 4 OR XX — M1 - 6 OR COUNTY X — M1 - 5A
- M05 - 1 OR M06 - 1

BARRICADES AND SIGNS FOR MAINLINE CLOSURES

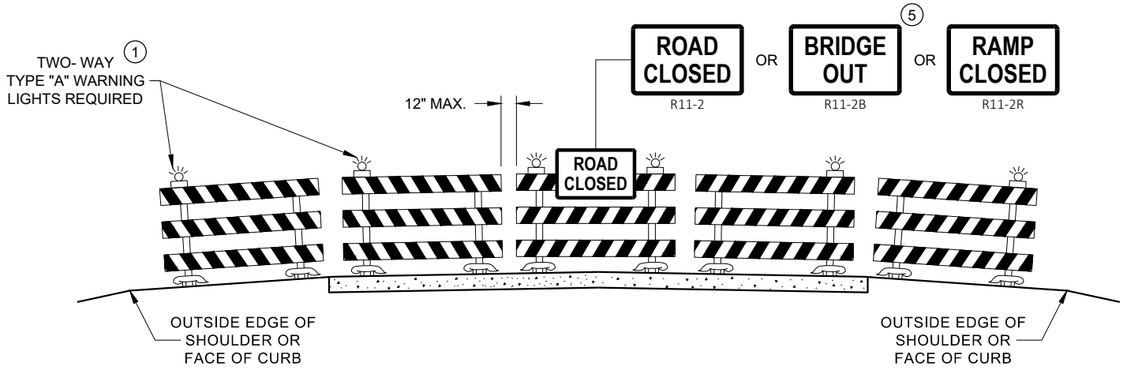
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023
DATE
/S/ Andrew Heidtke
WORK ZONE ENGINEER

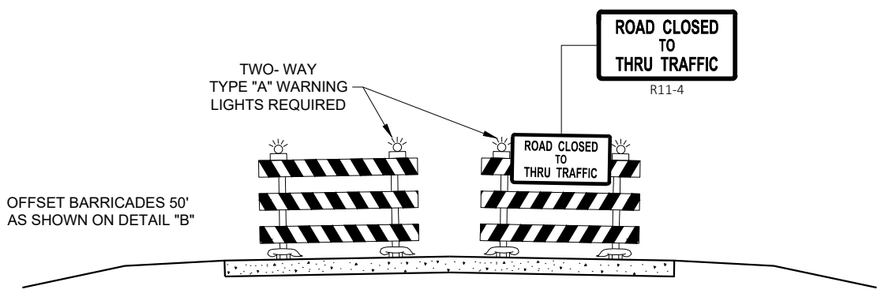
FHWA

460

6
SDD 15C02 - 09a



DETAIL D
ROAD CLOSURE BARRICADE DETAIL
APPROACH VIEW



DETAIL E
LANE CLOSURE BARRICADE DETAIL
APPROACH VIEW

SEE SDD 15C2 - SHEET "a" FOR LEGEND

GENERAL NOTES

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

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE", SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

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

BARRICADES THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY RE-ESTABLISHED UPON COMPLETION OF THE OPERATION, OR FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

ALL TYPE III BARRICADES SHALL HAVE RAILS REFLECTORIZED ON BOTH FACES. STRIPES SHALL BE PROPERLY SLOPED DOWN TOWARD THE TRAFFIC SIDE OR AS SHOWN IN THE ROAD CLOSURE BARRICADE DETAIL "D" FOR FULL ROAD CLOSURES.

TYPE "A" LOW - INTENSITY FLASHING WARNING LIGHTS SHALL BE VISIBLE ON BOTH SIDES OF THE BARRICADE.

THE R11 - 2, R11 - 3, M4 - 9, R11 - 4, AND R10 - 61 SIGNS PLACED ON THE BARRICADES SHALL COVER NO MORE THAN THE TOP RAIL. THE SIGNS SHALL NOT COVER ANY PORTION OF THE MIDDLE RAIL OR BOTTOM RAILS.

"WO" AND "MO" SIGNS ARE THE SAME AS "W" AND "M" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

ALL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED BELOW:
- R11 - 2 SHALL BE 48" X 30"
- R11 - 3 SHALL, R11 - 4 AND R10 - 61 SHALL BE 60 " X 30"
- M4 - 9 SHALL BE 30" X 24"
- M3 - X SHALL BE 24" X 12" (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS)
- M4 - 8 SHALL BE 24" X 12" (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS)
- M1 - 4, M1 - 5A AND M1 - 6 SHALL BE 24" X 24" (36" X 36" IF NEEDED TO MATCH EXISTING SIGNS)
- MO5 - 1 AND MO6 - 1 SHALL BE 21" X 21" (30" X 30" IF NEEDED TO MATCH EXISTING SIGNS)
- D1 - X SHALL BE AS SHOWN ON SPECIFIC PROJECT SIGNING DETAIL SHEETS.
- R1 - 1 SHALL BE 36" X 36"

(1) TWO WARNING LIGHTS SHALL BE PROVIDED ON THE CENTER BARRICADE AND A MINIMUM OF ONE WARNING LIGHT SHALL BE PROVIDED ON EACH OF THE OTHER BARRICADES WITHIN THE ROADWAY LIMITS. SPACING OF THE WARNING LIGHTS SHALL BE UNIFORM TO THE EDGE OF ROADWAY AS SHOWN (APPROX. 8 FOOT LIGHT SPACING.

(2) THESE SIGNS AND BARRICADES ARE NOT REQUIRED IF ROAD CLOSURE BEGINS AT AN INTERSECTION.

(3) FOR ROAD CLOSURE WITHOUT LOCAL ACCESS TO PROJECT, SEE ROAD CLOSURE BARRICADE DETAIL "D".

(4) FOR ROAD CLOSURE WITH LOCAL ACCESS TO PROJECT, SEE ROAD CLOSURE BARRICADE DETAIL "E".

(5) FOR BRIDGE OR CULVERT REPLACEMENTS, SUBSTITUTE "BRIDGE OUT" INSTEAD OF "ROAD CLOSED" ON R11 - 2 AND R11 - 3 SIGNS.

(6) INSTALL DETOUR AND COMMUNITY GUIDE SIGNS AND ARROWS ONLY IF SPECIFIED IN THE CONTRACT. IF THERE ARE EXISTING ROUTE MARKER ASSEMBLIES THAT WILL REMAIN IN PLACE, ADJUST THE LOCATION OF THE DETOUR ROUTE SIGNS TO CORRESPOND WITH THE EXISTING ASSEMBLIES. MODIFY EXISTING SIGNS WHERE POSSIBLE. SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS. IF DETOUR SIGNS ARE BEING INSTALLED BY OTHERS, PLACE THE CONTRACTED TRAFFIC CONTROL SIGNS TO ALLOW FOR PLACEMENT OF ALL WARNING, DETOUR AND GUIDE SIGNS AS SHOWN.

(7) "EAST" CARDINAL DIRECTION MARKERS AND RIGHT TURN ARROWS ARE SHOWN. USE OTHER CARDINAL DIRECTIONS AND ARROWS AS APPROPRIATE.

BARRICADES AND SIGNS FOR VARIOUS CLOSURES

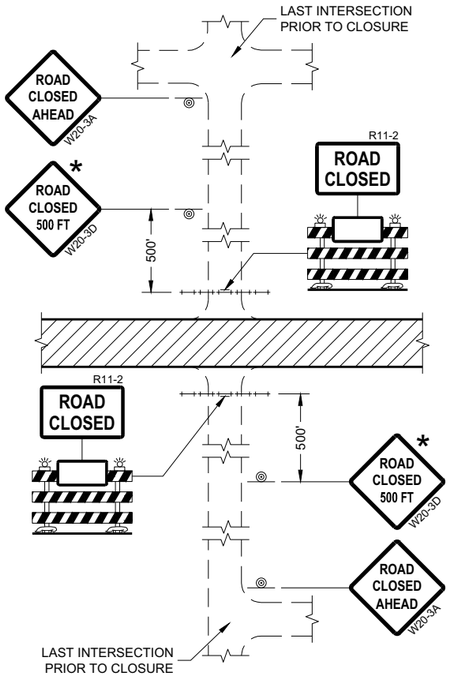
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023
DATE
/S/ Andrew Heidtke
WORK ZONE ENGINEE

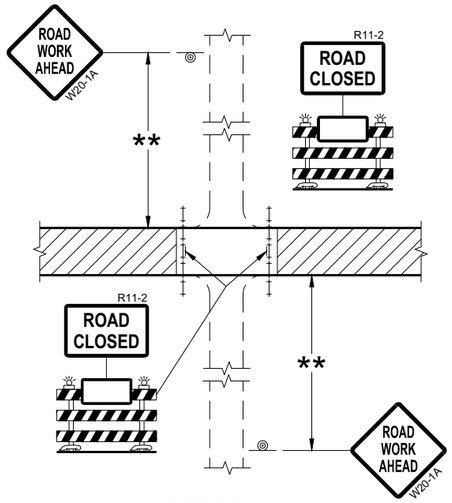
FHWA

6

SDD 15C02 - 09b



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.

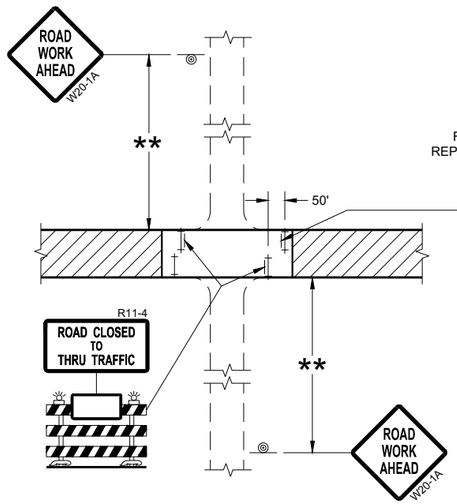
TYPE "A" LOW-INTENSITY FLASHING WARNING LIGHTS SHALL BE VISIBLE ON BOTH SIDES OF THE BARRICADE.

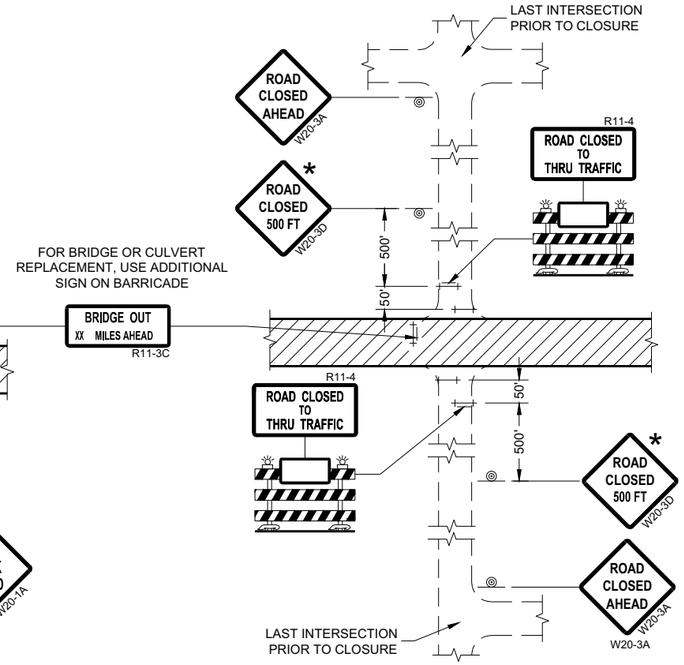
THE R11-2, R11-3, AND R11-4 SIGNS PLACED ON BARRICADES SHALL COVER NO MORE THAN THE TOP RAIL. THE SIGNS SHALL NOT COVER ANY PORTION OF THE MIDDLE OR BOTTOM RAILS.

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

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.

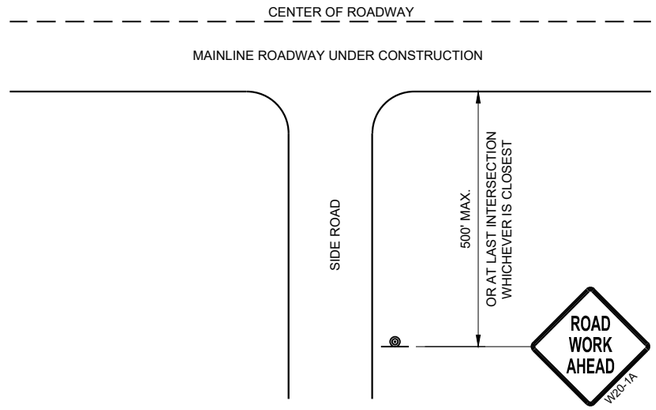
ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.

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.



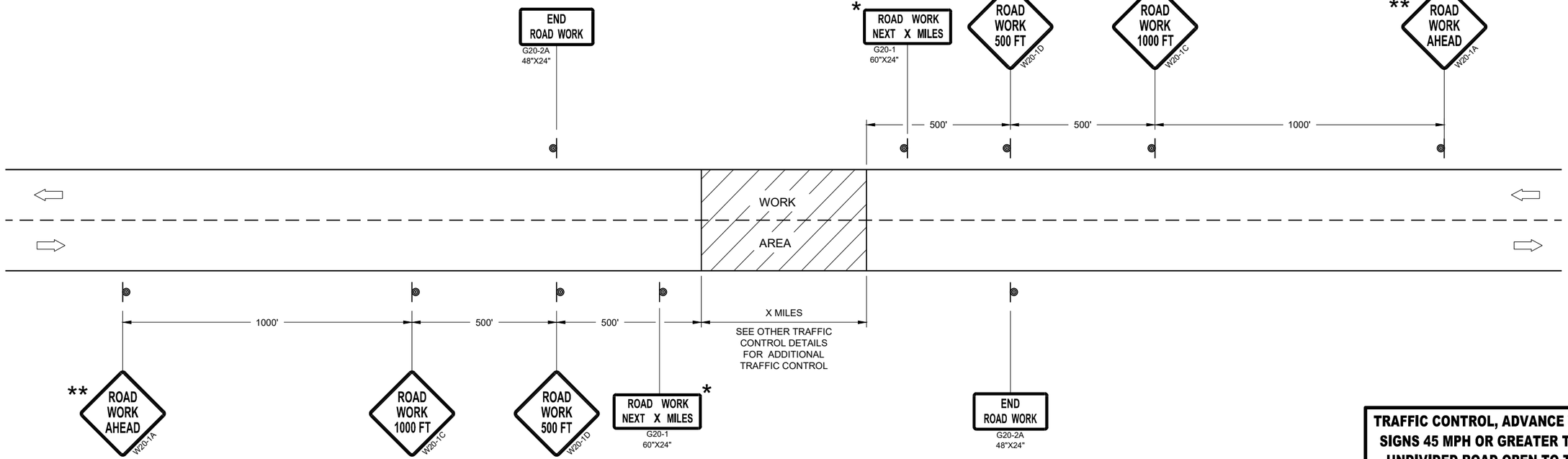
TYPICAL SIDE ROAD APPROACH WARNING SIGN DETAIL

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

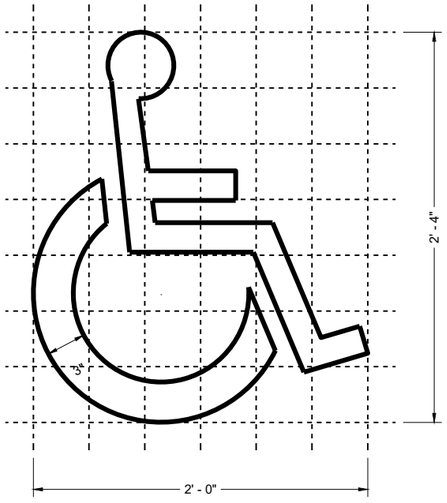
FHWA

6

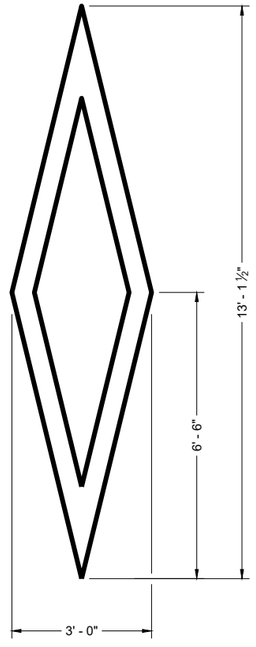
SDD 15C04 - 05

GENERAL NOTES

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



HANDICAP SYMBOL



PREFERENTIAL LANE SYMBOL

6

6

SDD 15C07-16a

SDD 15C07-16a

PAVEMENT MARKING SYMBOLS

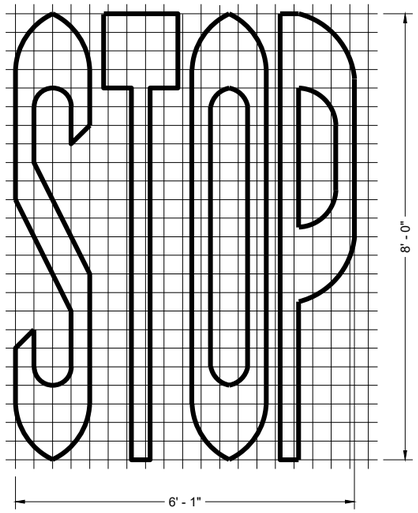
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

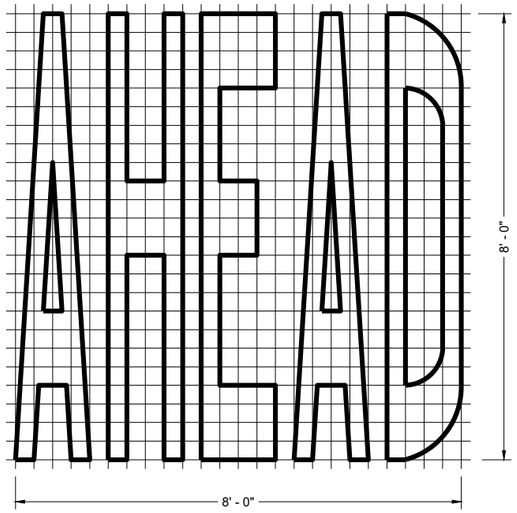
APPROVED

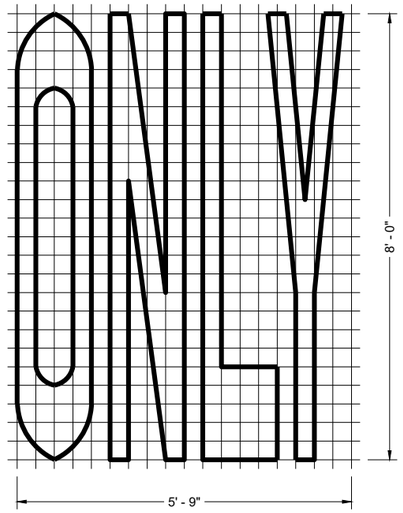
November 2024
DATE

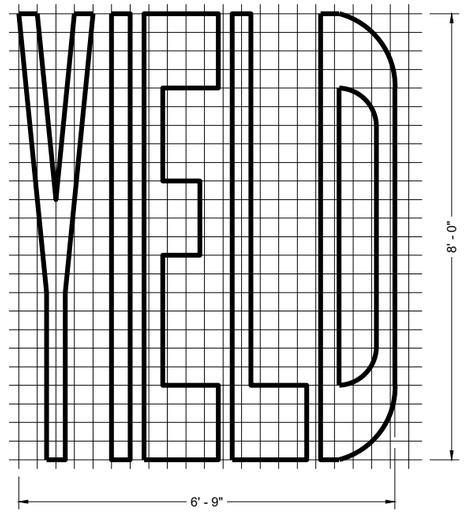
/S/ Matthew Rauch
STATE SIGNING AND MARKING ENGINEER

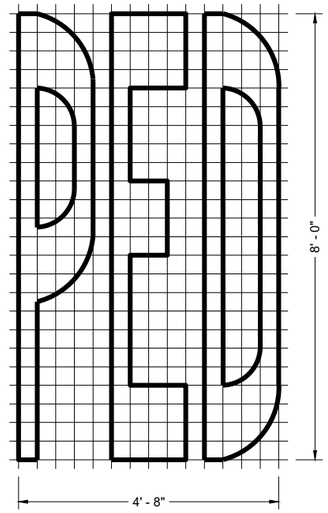
FHWA

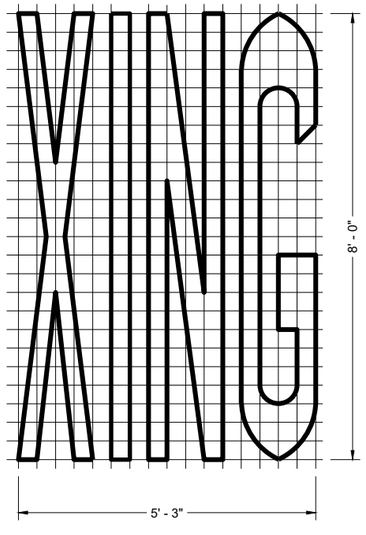


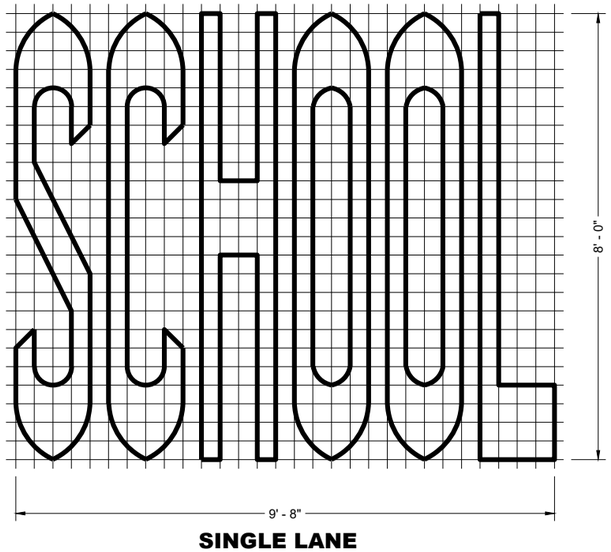




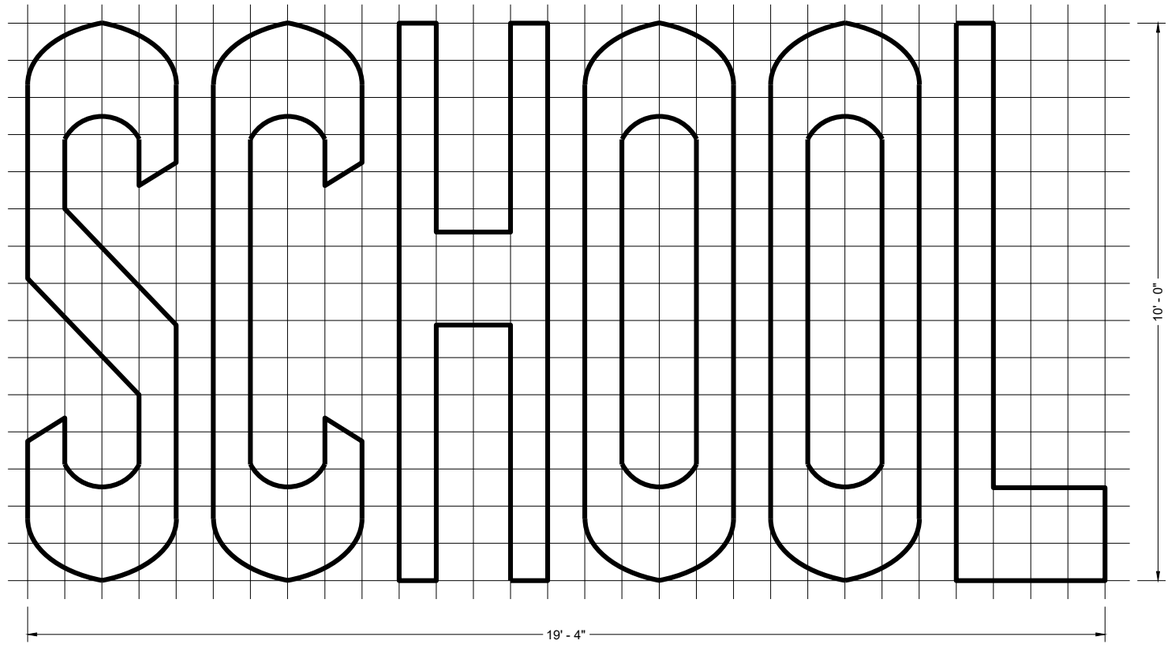








SINGLE LANE



TWO - LANE

GENERAL NOTES

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

PAVEMENT MARKING WORDS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2024 — DATE
/S/ Matthew Rauch — STATE SIGNING AND MARKING ENGINEER

FHWA

6

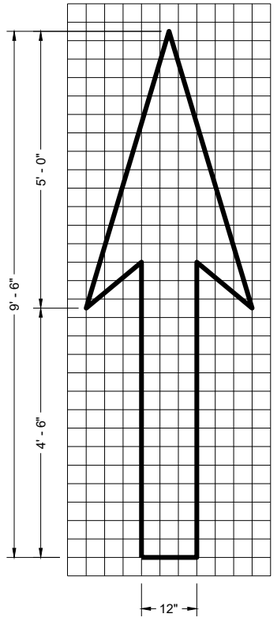
SDD 15C07-16b

6

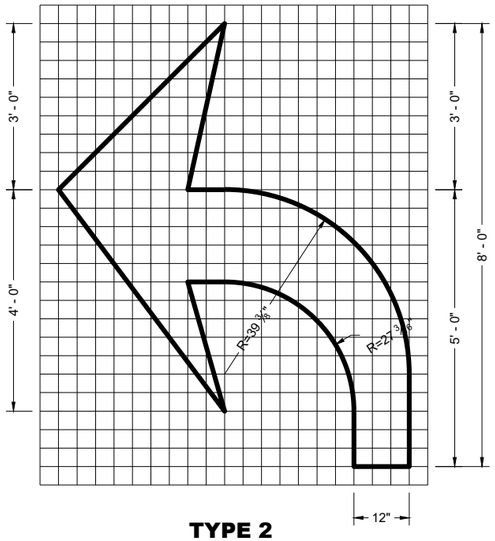
SDD 15C07-16b

GENERAL NOTES

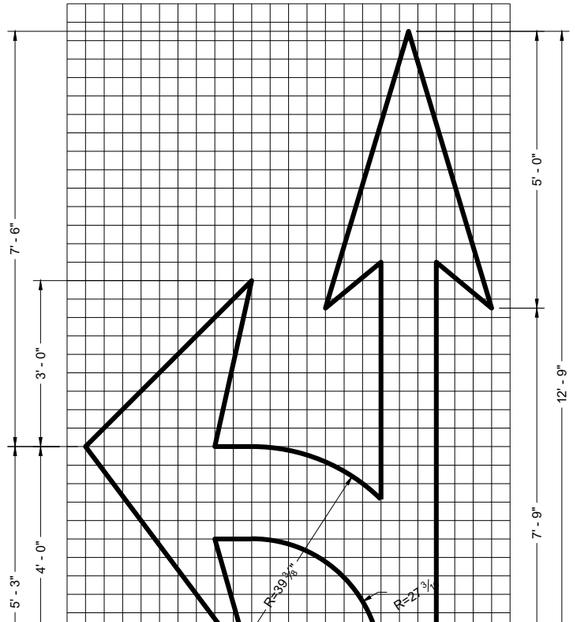
DETAILS OF INSTALLATION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.



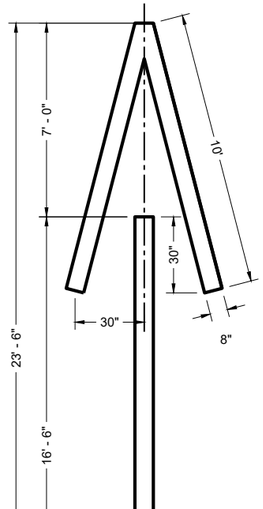
TYPE 1



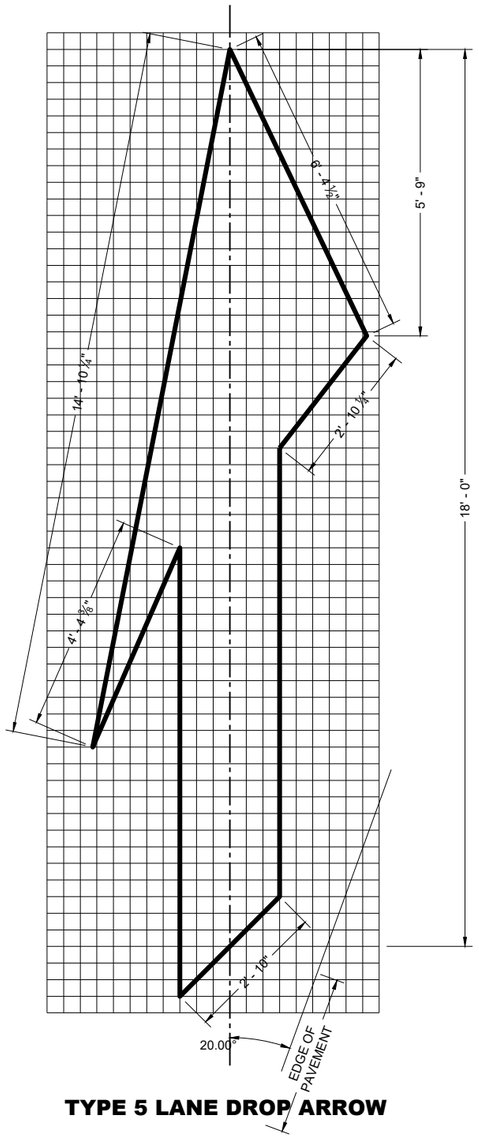
TYPE 2



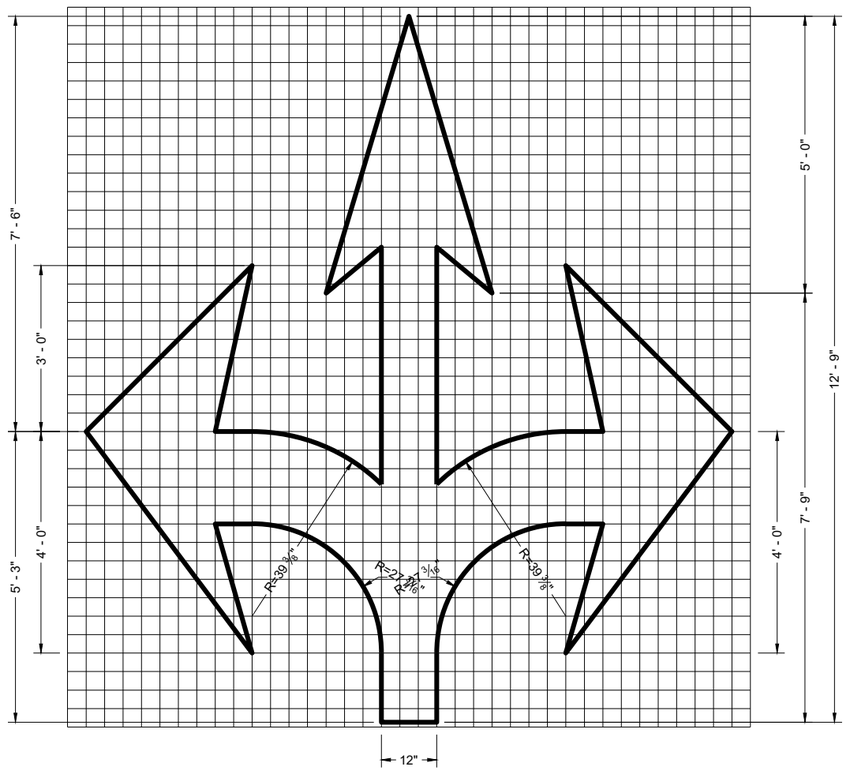
TYPE 3



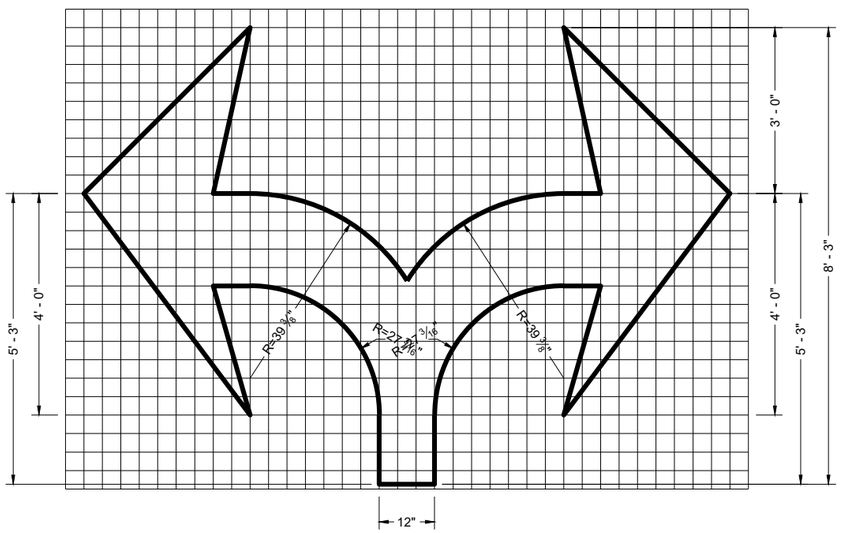
TYPE 4



TYPE 5 LANE DROP ARROW



TYPE 6



TYPE 7

PAVEMENT MARKING ARROWS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2024 — DATE
/S/ Matthew Rauch — STATE SIGNING AND MARKING ENGINEER

FHWA

6

SDD 15C07-16c

GENERAL NOTES

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

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

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

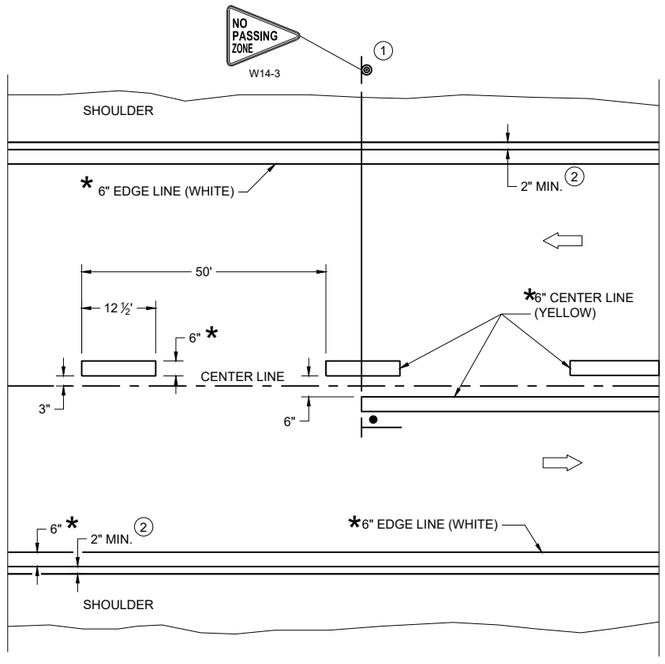
*CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES

LEGEND

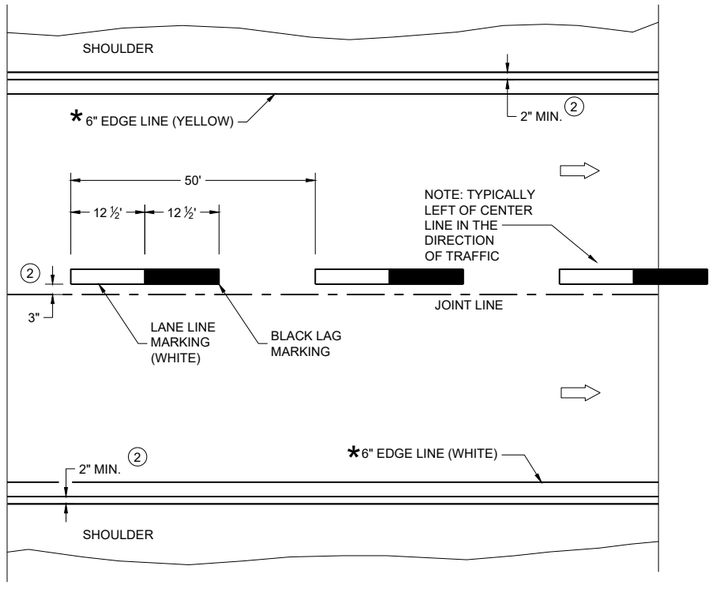
"T" MARKING

SIGN ON PERMANENT SUPPORT

DIRECTION OF TRAFFIC



TWO WAY TRAFFIC



ONE WAY TRAFFIC

PERMANENT PAVEMENT MARKING

PERMANENT LONGITUDINAL PAVEMENT MARKINGS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

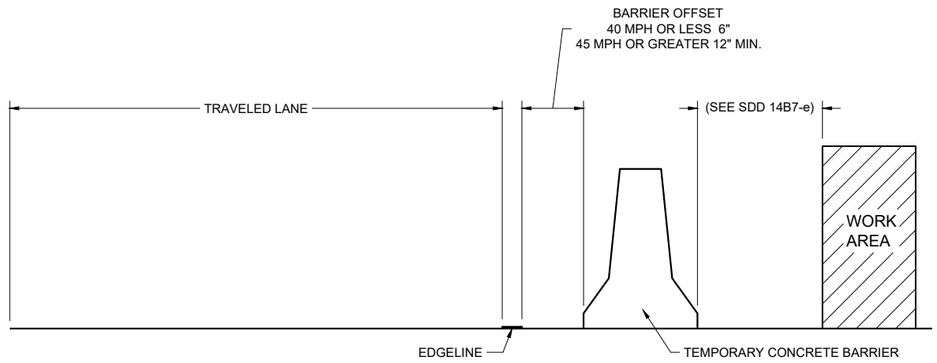
APPROVED
May 2023 — DATE
/S/ Jeannie Silver — Statewide Pavement Marking Engineer
FHWA

6

SDD 15C08-23a

6

SDD 15C08-23a



TEMPORARY BARRIER OFFSET FROM EDGELINE

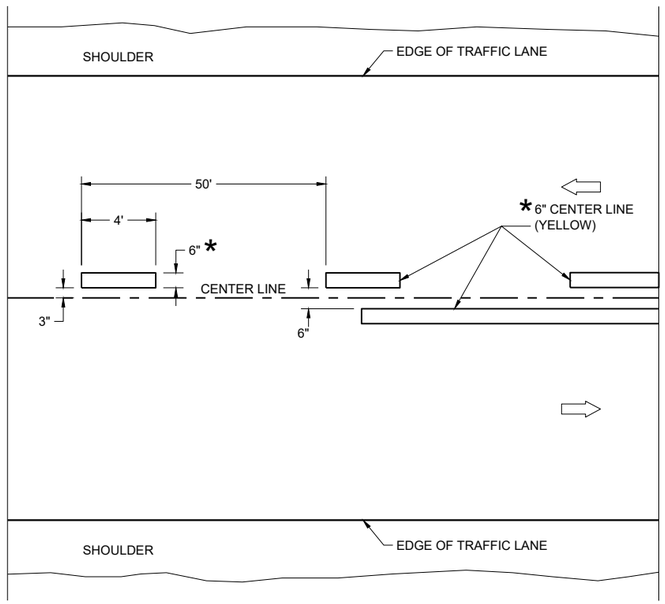
GENERAL NOTES

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

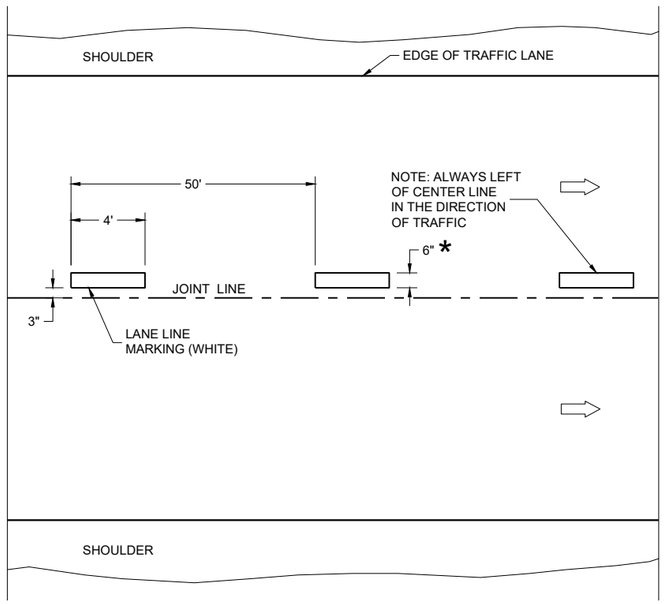
LEGEND

⇨ DIRECTION OF TRAFFIC

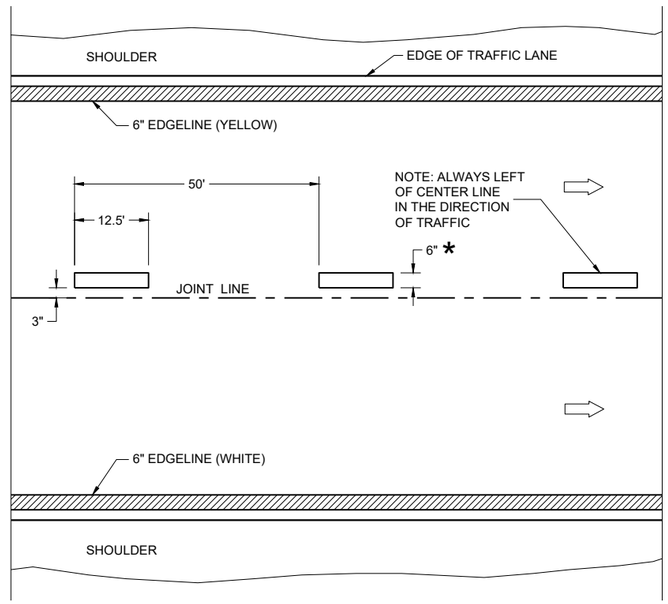
*CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES



TWO WAY TRAFFIC



ONE WAY TRAFFIC



FREEWAYS AND EXPRESSWAYS

TEMPORARY PAVEMENT MARKING

TEMPORARY LONGITUDINAL PAVEMENT MARKING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023 — DATE
/S/ Jeannie Silver — Statewide Pavement Marking Engineer
FHWA

6

SDD 15C08-23b

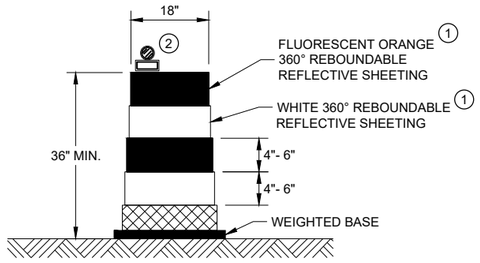
6

SDD 15C08-23b

GENERAL NOTES

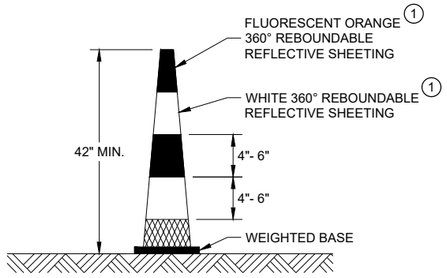
(1) REFLECTIVE SHEETING SHALL FOLLOW THE REQUIREMENTS IN THE APPROVED PRODUCTS LISTING FOR SIGN SHEETING.

(2) LOCATION OF WARNING LIGHTS WHEN SHOWN ON THE PLAN.



DRUM

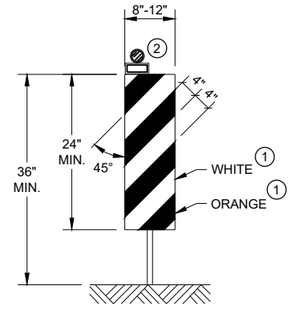
BALLAST WIDTHS
RANGE FROM 24"-36"



42" CONE

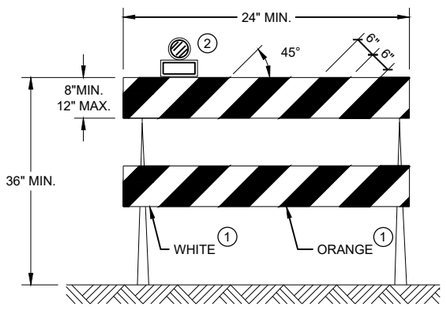
DO NOT USE IN TAPERS
½ SPACING OF DRUMS

BALLAST WIDTHS
RANGE FROM 14"-20"



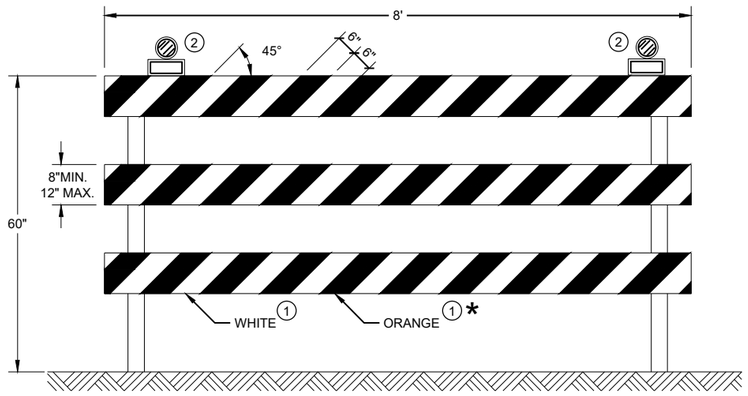
VERTICAL PANEL

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

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.

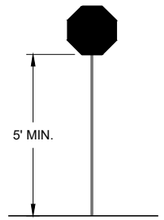
(3) EACH TEMPORARY PORTABLE RUMBLE STRIP ARRAY CONSISTS OF THREE RUMBLE STRIPS PLACED TRANSVERSE ACROSS THE LANE AT THE LOCATIONS SHOWN. WITHIN EACH ARRAY, SPACING BETWEEN RUMBLE STRIPS SHALL BE 15 FEET ON CENTER

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

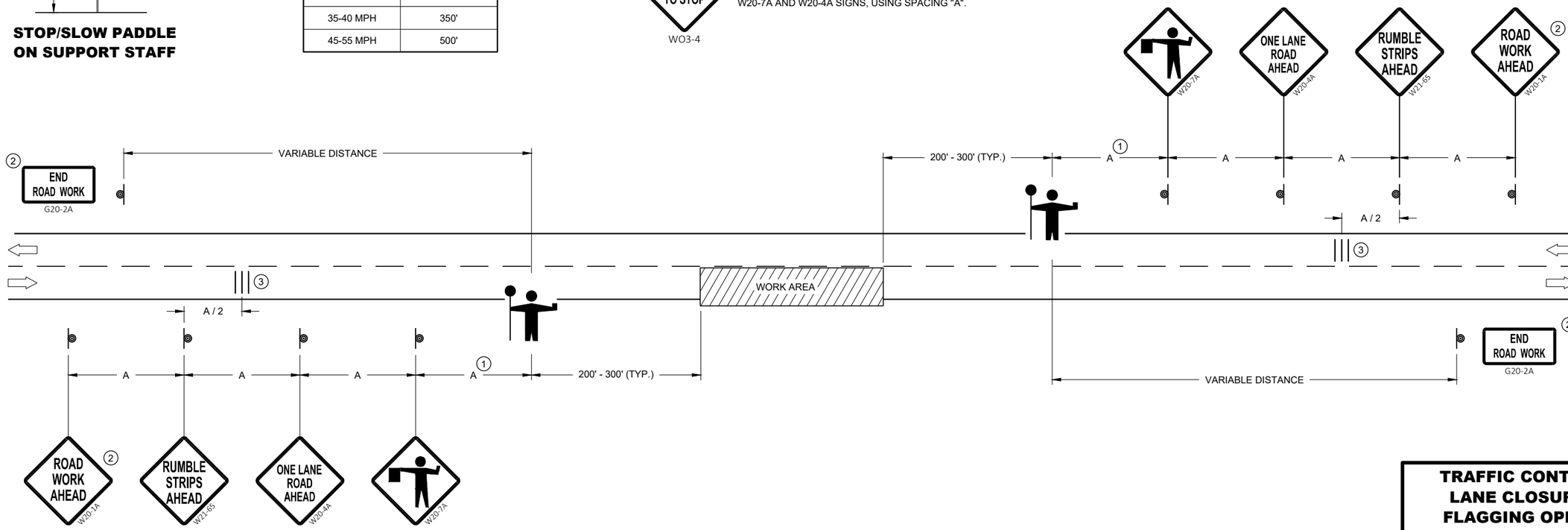
SIGN AND TEMPORARY RUMBLE STRIP ARRAY SPACING TABLE

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

470

6

SDD 15C12 - 09a

6

SDD 15C12 - 09a

GENERAL NOTES

SIGN ON PERMANENT SUPPORT

TRAFFIC CONTROL CONE 42-INCH

TRAFFIC CONTROL DRUM

TEMPORARY PORTABLE RUMBLE STRIP ARRAY

DIRECTION OF TRAFFIC

WORK AREA

AFAD — AUTOMATED FLAGGER ASSISTANCE DEVICE (AFAD)

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

IF THE AUTOMATED FLAGGER ASSISTANCE DEVICE (AFAD) STOPS WORKING, 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.

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.

(1) SIGN NOT REQUIRED IF FLAGGING OPERATION OCCURS WITHIN A SIGNED ROAD WORK ZONE AREA.

(2) IF FLAGGERS ARE PHYSICALLY NEEDED TO FLAG, REPLACE WO3-4 SIGNS WITH W20-7A SIGNS.

TEMPORARY PORTABLE RUMBLE STRIPS

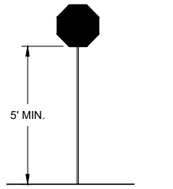
UTILIZE TEMPORARY PORTABLE RUMBLE STRIPS ON ALL FLAGGING OPERATIONS.

ONLY USE TEMPORARY PORTABLE RUMBLE STRIPS FROM THE APPROVED PRODUCTS LIST.

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.

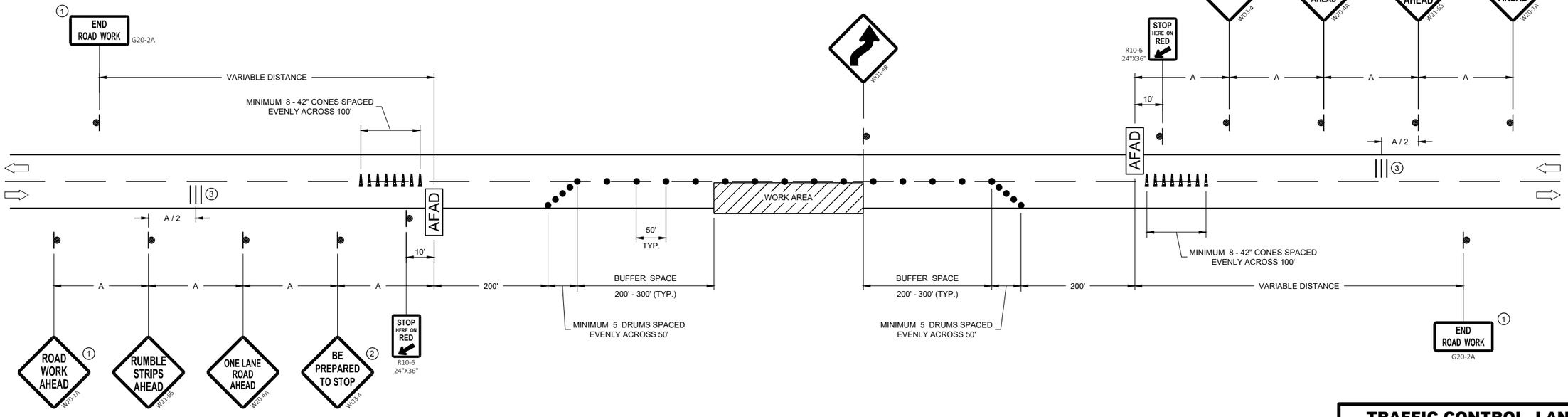
(3) EACH TEMPORARY PORTABLE RUMBLE STRIP ARRAY CONSISTS OF THREE RUMBLE STRIPS PLACED TRANSVERSELY AT THE LOCATIONS SHOWN. WITHIN EACH ARRAY, SPACING BETWEEN RUMBLE STRIPS SHALL BE 15 FEET ON CENTER.



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'



TRAFFIC CONTROL, LANE CLOSURE WITH AUTOMATED FLAGGER ASSISTANCE DEVICE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

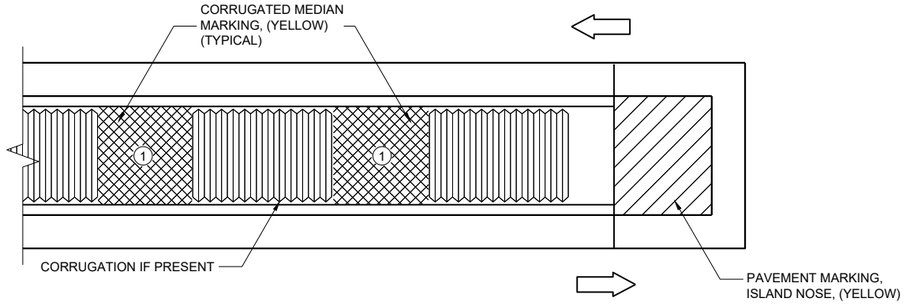
APPROVED
May 2022 — DATE
/S/ Andrew Heidtke — WORK ZONE ENGINEER
FHWA

6

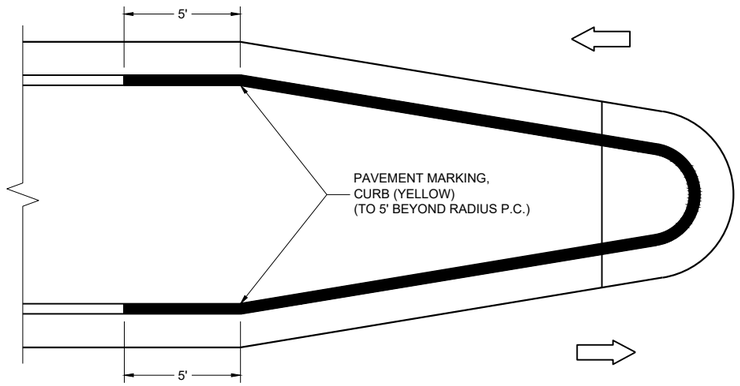
SDD 15C12 - 09b

6

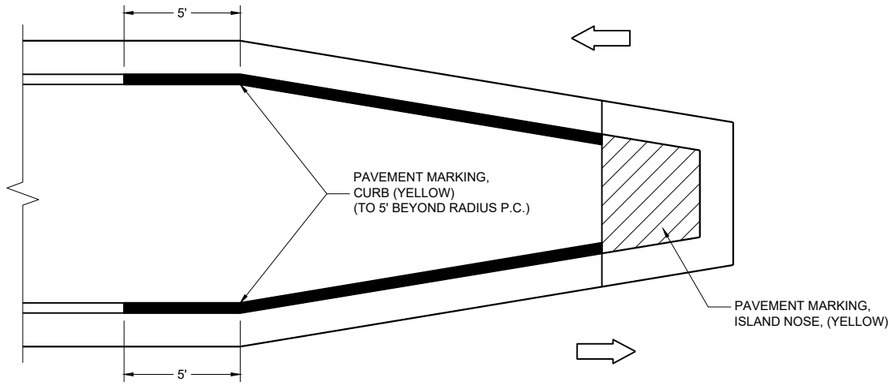
SDD 15C12 - 09b



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.

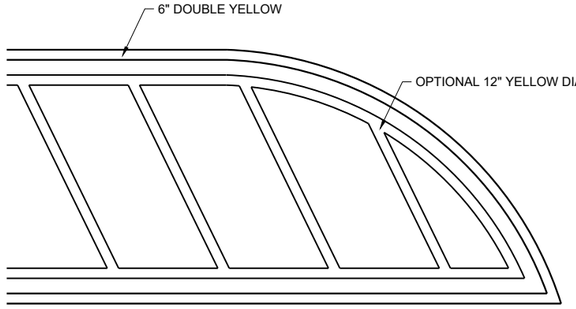
(1) APPLY PAVEMENT MARKING TO THE FLAT PORTION OF CORRUGATED MEDIAN.

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

SDD 15C18-09b

LEGEND

V1 LEAD VEHICLE

V2 MARKING VEHICLE

V3 SHADOW VEHICLE

TRUCK MOUNTED ATTENUATOR (TMA)

SIGN ON TEMPORARY SUPPORT

DIRECTION OF TRAFFIC

GENERAL NOTES

ALL VEHICLES SHALL BE EQUIPPED WITH TWO 360 DEGREE HIGH INTENSITY YELLOW FLASHING LIGHTS OR STROBE LIGHTS AND OPERATED WITH HEADLIGHTS TURNED ON.

ALL VEHICLES SHALL BE EQUIPPED WITH REAR FACING TYPE B OR C FLASHING ARROW PANEL OPERATING IN CAUTION MODE. SIGNS PLACED ON VEHICLES MUST NOT OBSCURE THE ARROW PANEL.

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE SPECIFIED.

DISTANCE BETWEEN VEHICLES MAY VARY ACCORDING TO TERRAIN, SIGHT DISTANCE, PAINT DRYING TIME, AND OTHER FACTORS. WHENEVER ADEQUATE STOPPING SIGHT DISTANCE EXISTS TO THE REAR, SHADOW VEHICLES SHOULD MAINTAIN THE MINIMUM DISTANCE FROM THE WORK VEHICLE AND PROCEED AT THE SAME SPEED AS THE WORK VEHICLE. SHADOW VEHICLES SHOULD SLOW DOWN IN ADVANCE OF VERTICAL AND HORIZONTAL CURVES THAT RESTRICT SIGHT DISTANCE.

THE WORK AND SHADOW VEHICLES SHOULD PULL OVER PERIODICALLY TO ALLOW TRAFFIC TO PASS.

WHEN NO WORK ACTIVITY IS TAKING PLACE, REMOVE OR LAY STATIONARY SIGNS AND SUPPORTS FLAT ON THE GRADE WITH UPRIGHTS ORIENTED PARALLEL TO AND DOWNSTREAM FROM TRAFFIC.

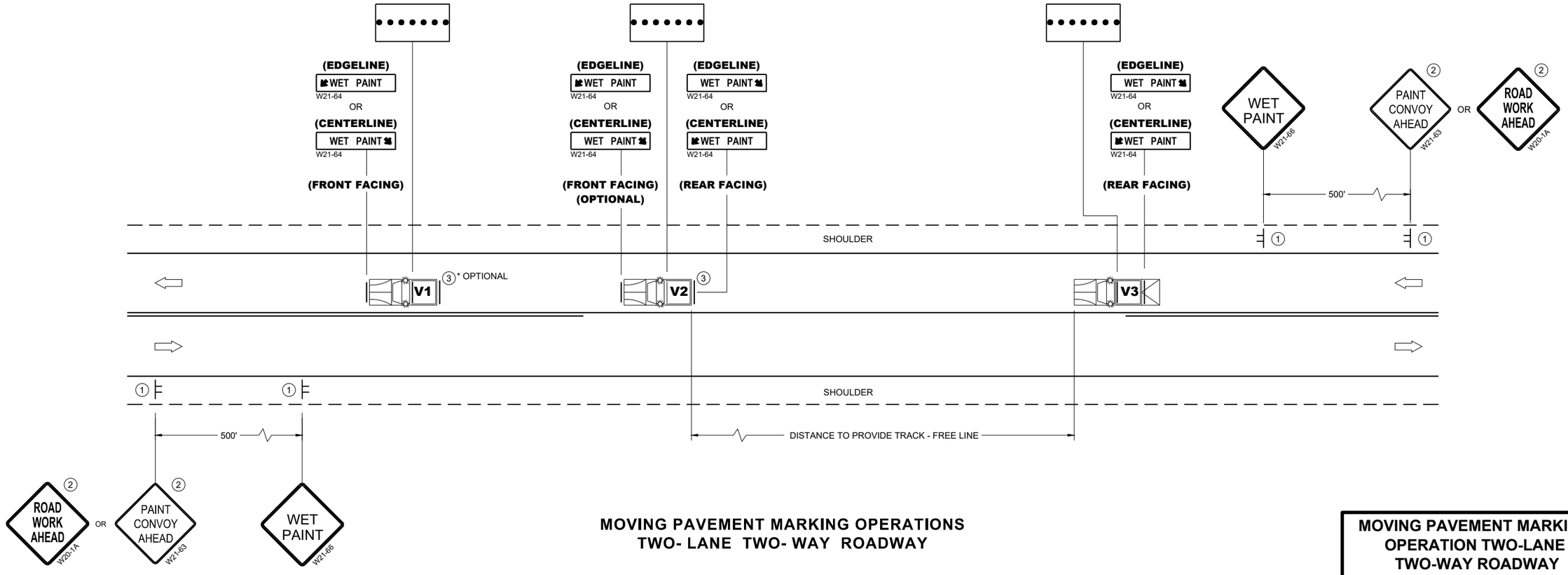
CONES SHOULD BE USED BETWEEN THE MARKING AND SHADOW VEHICLE AT 100 FOOT SPACING. CONES MAY BE OMITTED ON PAINTED LINE IF APPROVED BY THE ENGINEER. CONSIDER PAVEMENT MARKING DRY OR CURE TIMES AND TRAFFIC VOLUME.

CONES SHALL BE A MINIMUM OF 28" FOR WET PAVEMENT MARKING .

(1) SIGNS SHALL BE REPEATED APPROXIMATELY EVERY THREE MILES AND AFTER EVERY MAJOR INTERSECTION.

(2) IF CONSTRUCTION WORK ZONE SIGNS ARE IN PLACE, W20-1A OR W21-63 ARE NOT REQUIRED.

(3) V1 AND V2 CAN BE SWITCHED SO THAT THE MARKER IS THE LEAD VEHICLE.



MOVING PAVEMENT MARKING OPERATIONS
TWO- LANE TWO- WAY ROADWAY

MOVING PAVEMENT MARKING OPERATION TWO-LANE TWO-WAY ROADWAY

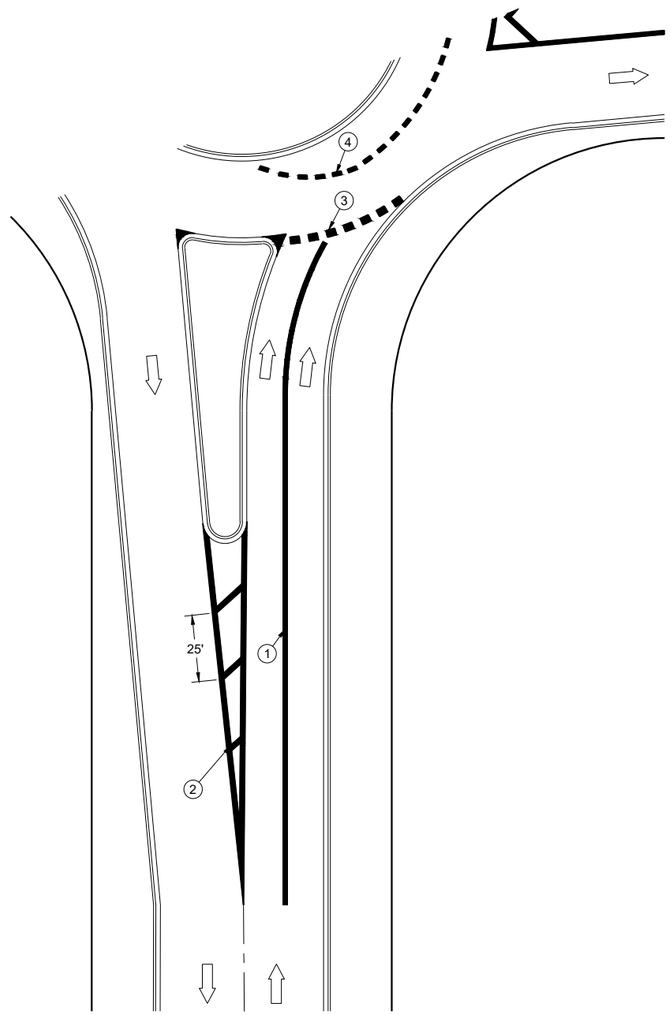
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
March 2024
DATE
/S/ Andrew Heidtke
WORK ZONE ENGINEER
FHWA

6
SDD 15C19-9a

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



DOTTED EXTENSION FOR ROUNDABOUT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
August 2024
DATE

/S/ Matthew Rauch
ROADWAY STANDARDS DEVELOPMENT
UNIT SUPERVISOR

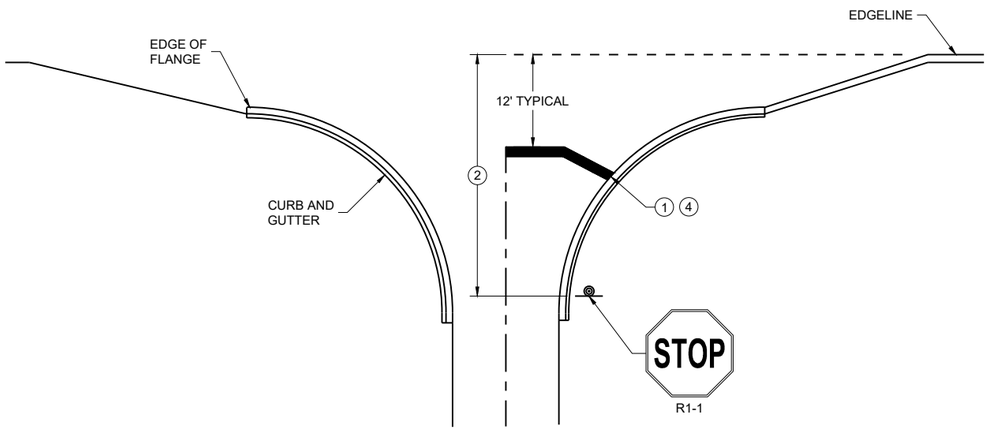
FHWA

6
SDD 15C22-01

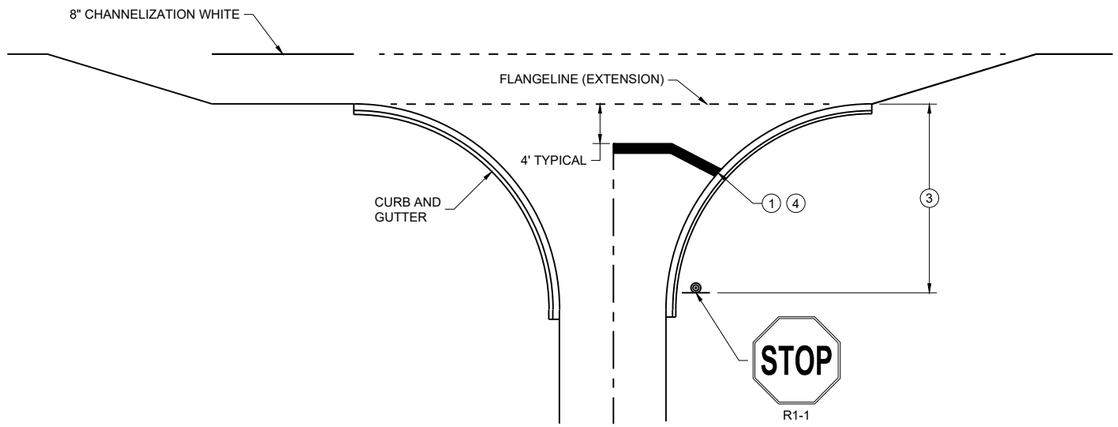
GENERAL NOTES

STOP SIGN SHALL BE PLACED A MINIMUM OF 6 FEET TO A MAXIMUM OF 50 FEET FROM THE EDGELINE LOCATION.

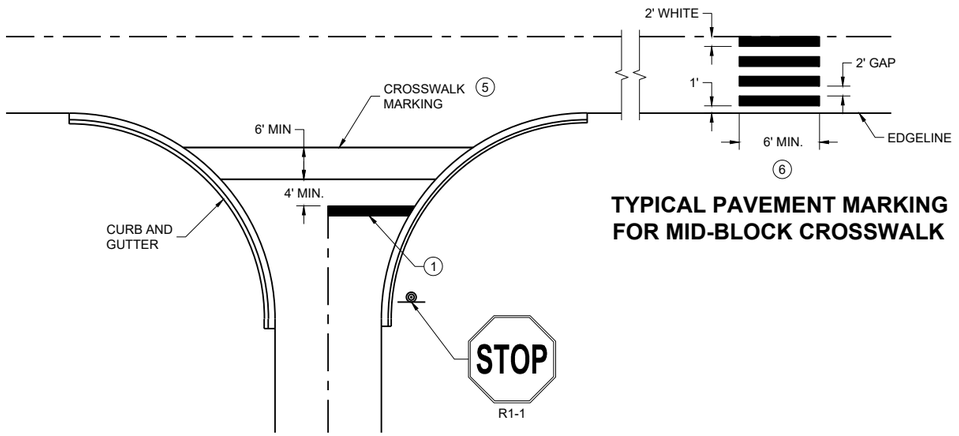
1. 18-INCH STOP LINES MAY BE DELETED OR ADDED BY THE REGION MARKING ENGINEER BASED ON VISIBILITY AND SIGHT LINES.
2. NO STOP LINE IS REQUIRED IF STOP SIGN IS LESS THAN OR EQUAL TO 40 FEET FROM THE EDGELINE.
3. NO STOP LINE IS REQUIRED IF STOP SIGN IS LESS THAN OR EQUAL TO 30 FEET FROM THE FLANGE LINE EXTENSION.
4. MOVE CLOSER TO THE EDGE OF TRAVEL LINE AS NEEDED FOR VISIBILITY AND SIGHT LINES (NO CLOSER THAN 4 FEET).
5. LADDER BAR CROSSWALKS SHOULD ONLY BE USED FOR MID BLOCK CROSSINGS. USE 2 - 6" TRANSVERSE LINES.
6. POSTED SPEED LIMITS OF 40 MPH OR GREATER USE A MINIMUM WIDTH OF 8' FOR MIDBLOCK CROSSWALKS



TYPICAL STOP LINE PAVEMENT MARKING WITH CURB AND GUTTER

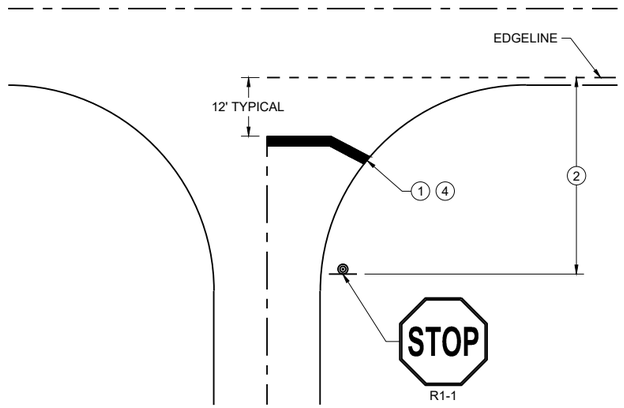


TYPICAL STOP LINE PAVEMENT MARKING FOR SIDE ROADS WITH RIGHT TURN LANE



TYPICAL PAVEMENT MARKING FOR MID-BLOCK CROSSWALK 5

TYPICAL STOP LINE PAVEMENT MARKING FOR SIDE ROADS WITH CROSSWALK MARKING



TYPICAL STOP LINE PAVEMENT MARKING WITHOUT CURB AND GUTTER

STOP LINE AND CROSSWALK PAVEMENT MARKING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

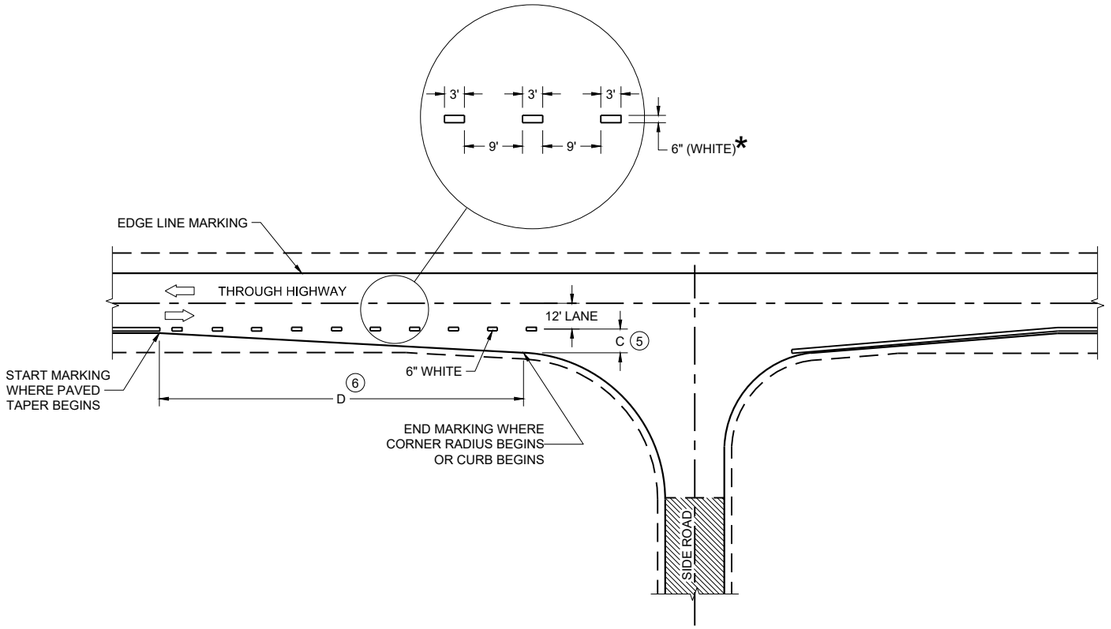
March 2024 — DATE

/S/ Matthew Rauch — STATE SIGNING AND MARKING ENGINEER

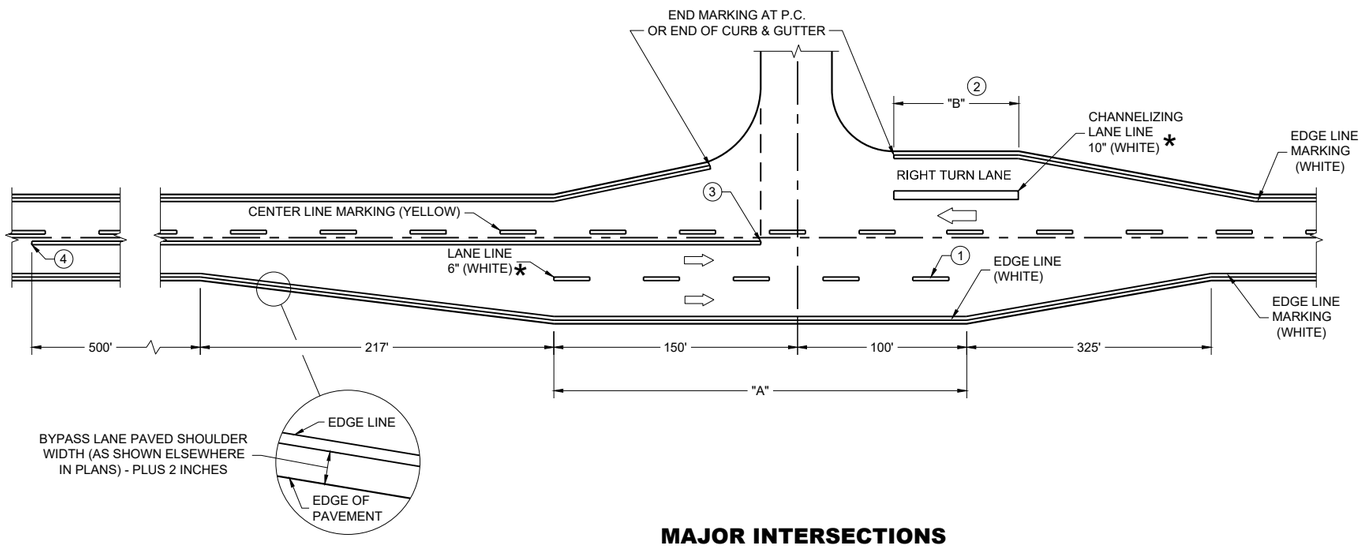
FHWA

6

SDD 15C33-05



MINOR INTERSECTION



MAJOR INTERSECTIONS

(INTERSECTION WITH FULL RIGHT TURN LANE OR BYPASS LANE)

*CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES

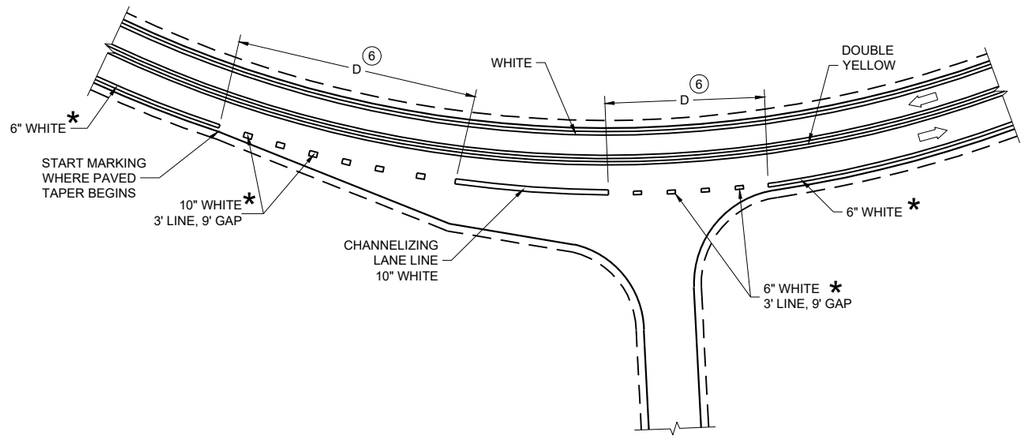
GENERAL NOTES

OMIT EDGE LINES THROUGH INTERSECTIONS. CONTINUE EDGE LINES THROUGH DRIVEWAYS.

1. WHEN DISTANCE "A" IS LESS THAN 250 FEET, OMIT LANE LINE.
2. WHEN DISTANCE "B" IS LESS THAN 100 FEET, OMIT CHANNELIZING LANE LINE.
3. BARRIER LINE ENDS AT SIDE ROAD PAVEMENT / SURFACE EDGE EXTENSION.
4. BARRIER LINE STARTS 500 FEET PRIOR TO THE BYPASS TAPER.
5. WHEN DISTANCE "C" IS LESS THAN 4 FEET, OMIT DOTTED EXTENSION.
6. WHEN DISTANCE "D" IS LESS THAN 50 FEET, OMIT DOTTED EXTENSION.

LEGEND

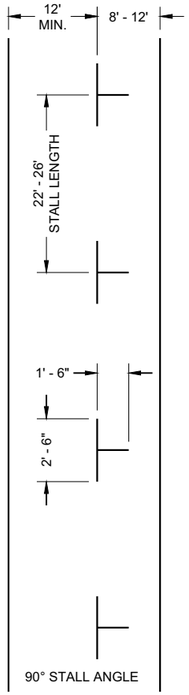
DIRECTION OF TRAVEL



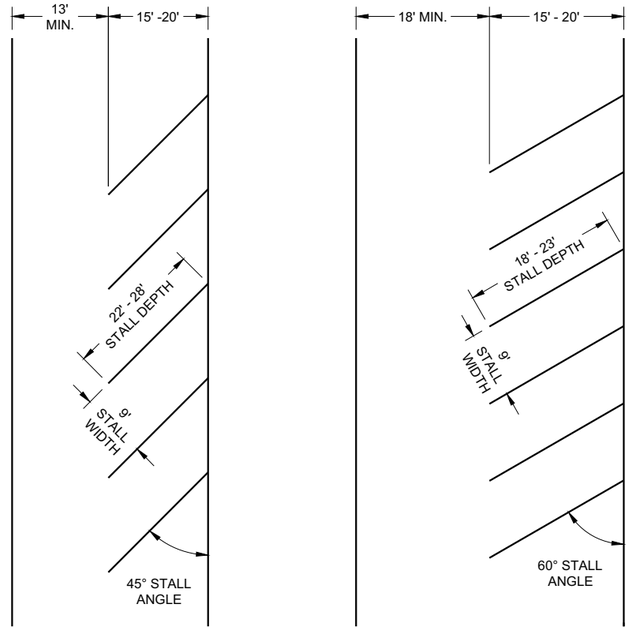
INTERSECTION ON OUTSIDE OF CURVE

PAVEMENT MARKING (INTERSECTIONS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

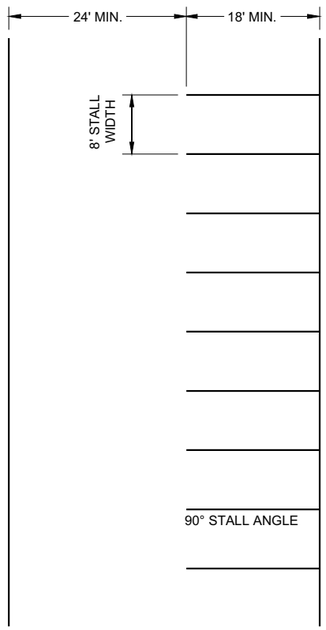


PARALLEL PARKING



ANGLED PARKING

(ANGLED PARKING IS NOT ALLOWED ON STATE HIGHWAYS UNLESS A DESIGN JUSTIFICATION HAS BEEN COMPLETED.)



PARKING LOTS

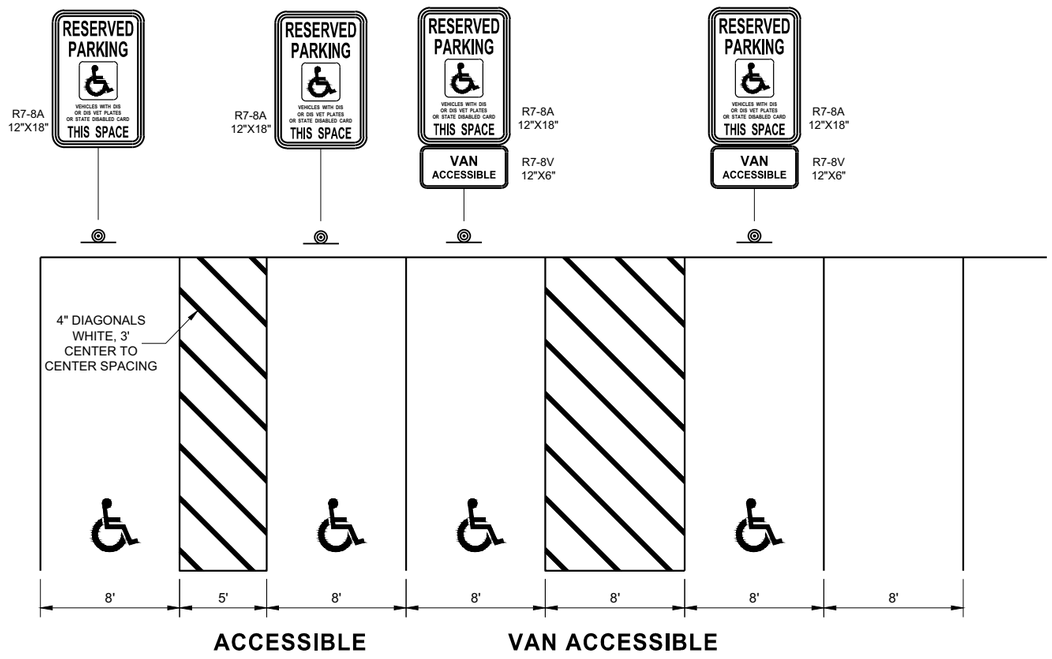
GENERAL NOTES

ALL LINES 4" WHITE (UNLESS OTHERWISE NOTED)

LAST PARKING STALL IS A MINIMUM OF 15' FROM THE CROSSWALK.

LEGEND

SIGN ON PERMANENT SUPPORT



ACCESSIBLE

VAN ACCESSIBLE

PARKING STALL MARKING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
August 2019 — DATE
/S/ Matthew Rauch — STATE SIGNING AND MAF ENGINEER

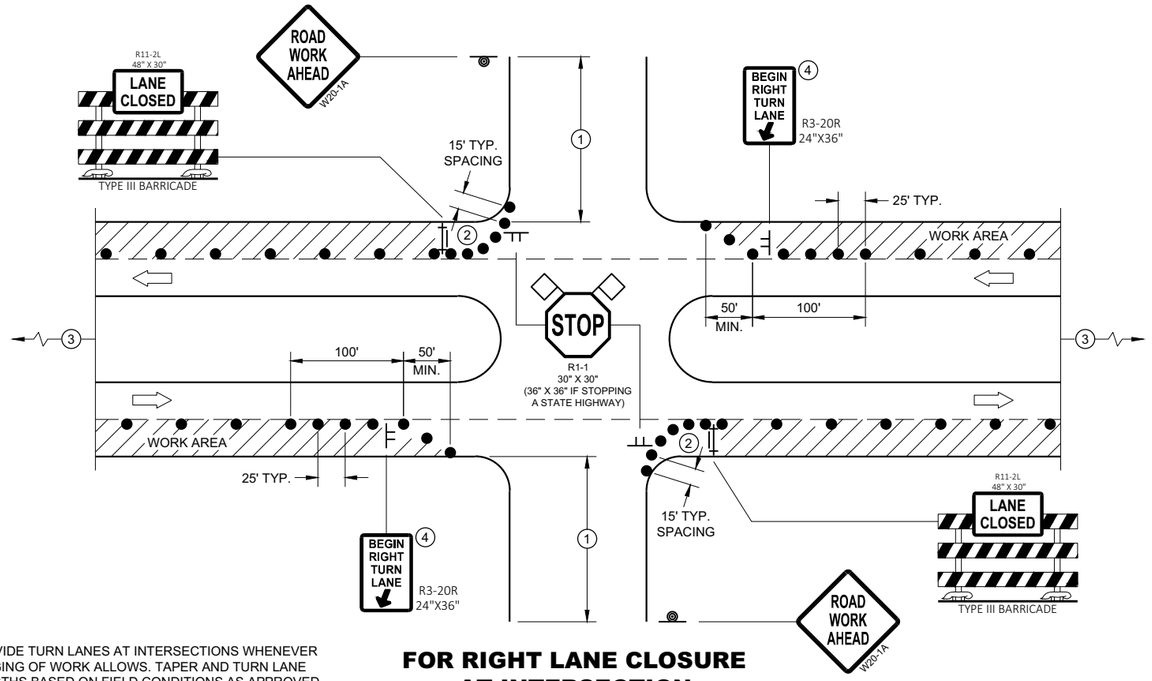
FHWA

SDD 15C36 - 01

SDD 15C36 - 01

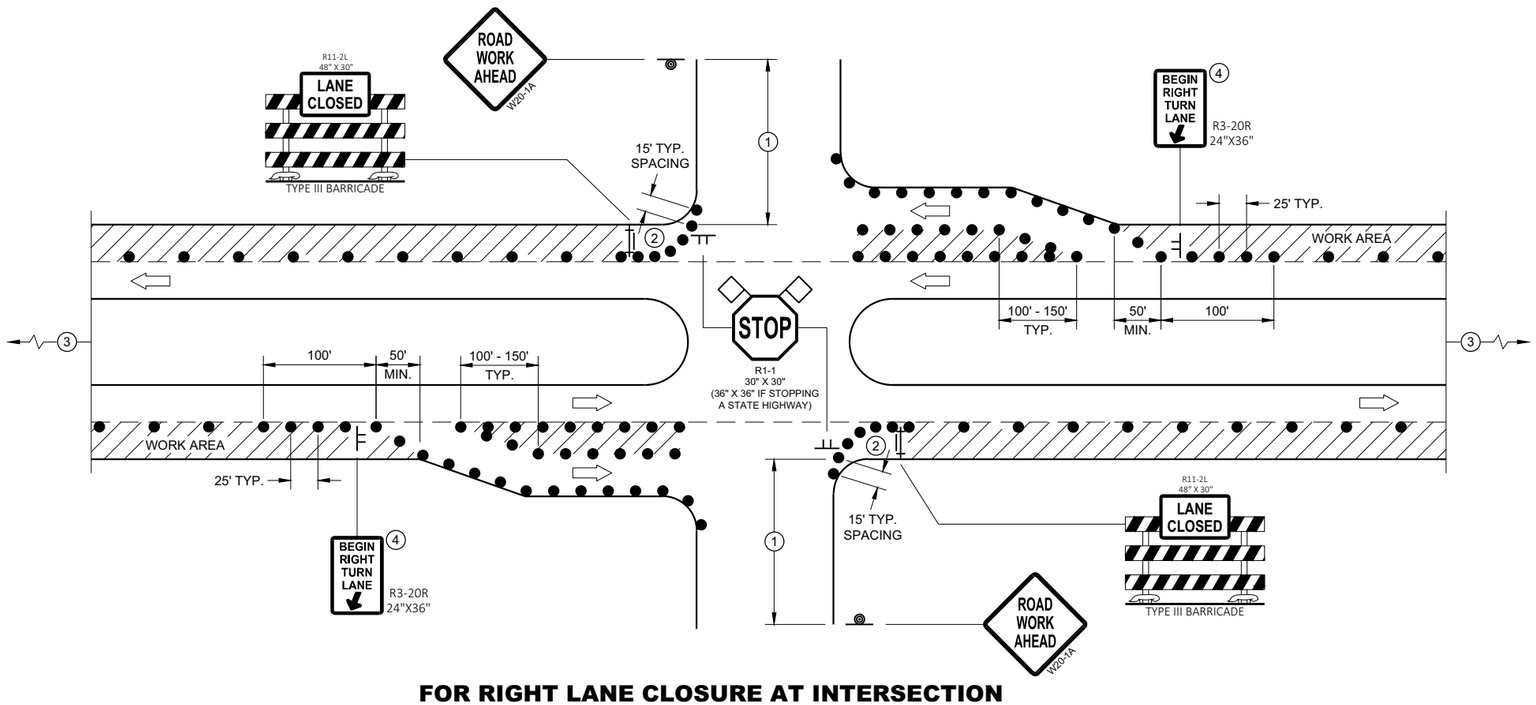
6

6



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



FOR RIGHT LANE CLOSURE AT INTERSECTION (WITH RIGHT TURN BAY OPEN)

GENERAL NOTES

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

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

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

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

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

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

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

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

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

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

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

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

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

LEGEND

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

TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE RIGHT LANE CLOSURE

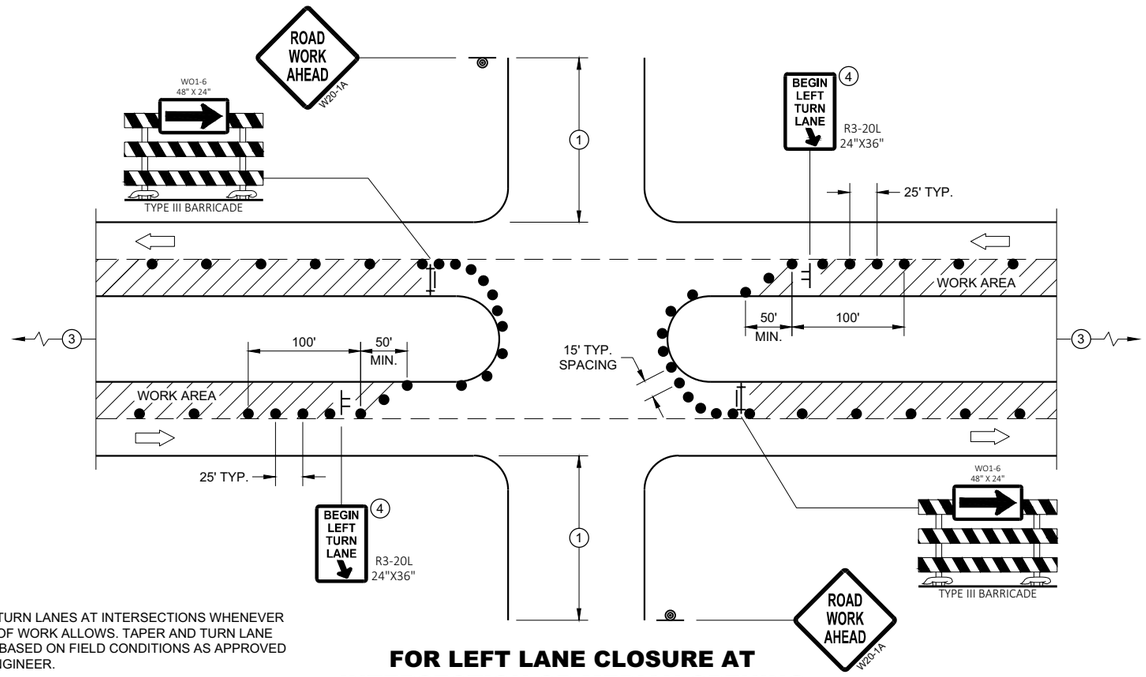
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 15D21 - 07a

6

SDD 15D21 - 07a



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

FOR LEFT LANE CLOSURE AT INTERSECTION OR MEDIAN OPENING

GENERAL NOTES

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

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

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

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

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

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

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

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

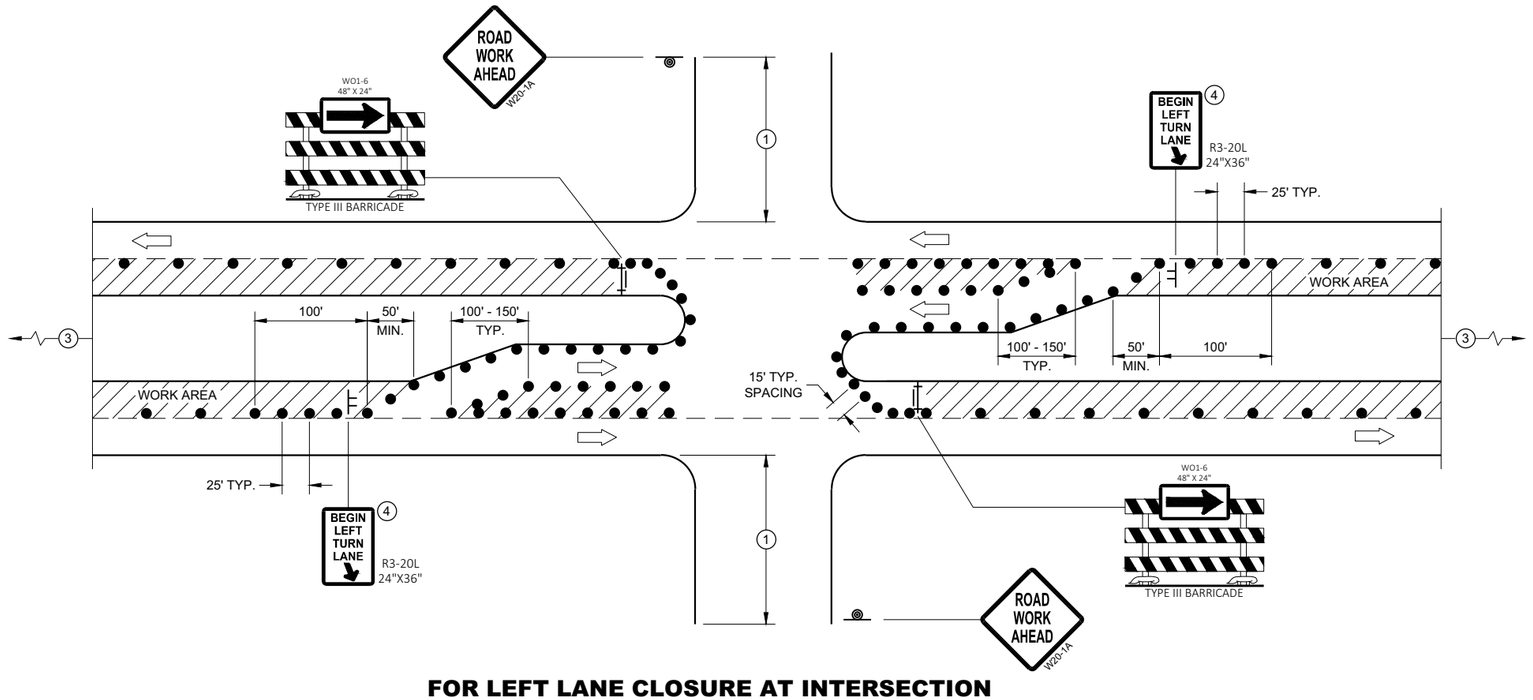
CHANNELIZING DEVICES PLACED ADJACENT TO WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

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

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

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

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



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

LEGEND

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

TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LEFT LANE CLOSURE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
August 2020
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA

6

SDD 15D21 - 07b

6

SDD 15D21 - 07b

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.

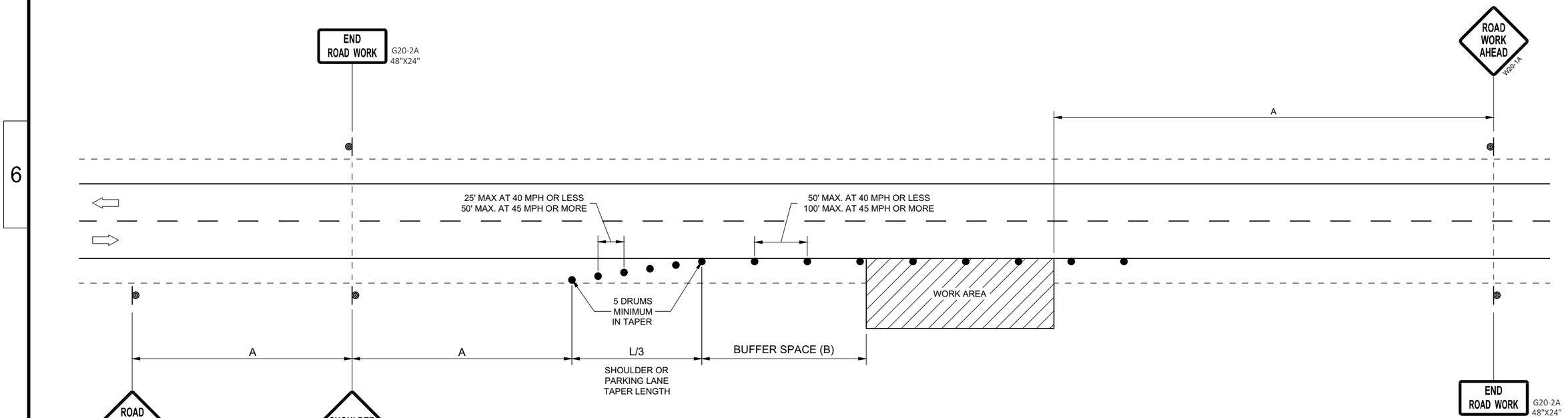
ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH THE TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

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

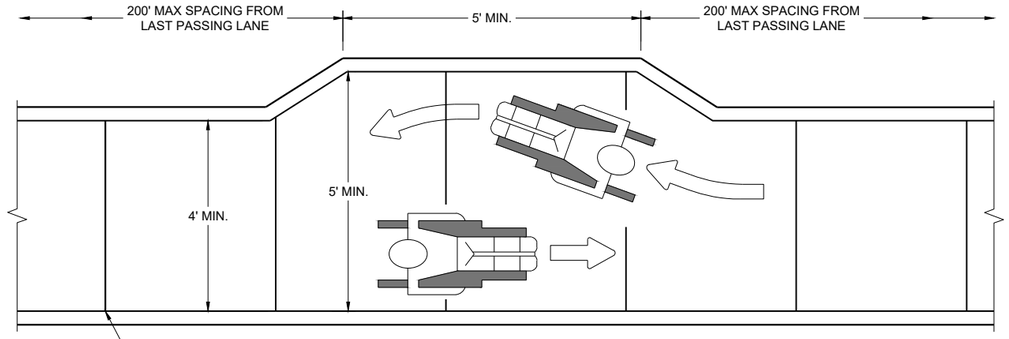
/S/ Andrew Heidtke
STATEWIDE WORK ZONE T SAFETY ENGINEER

FHWA

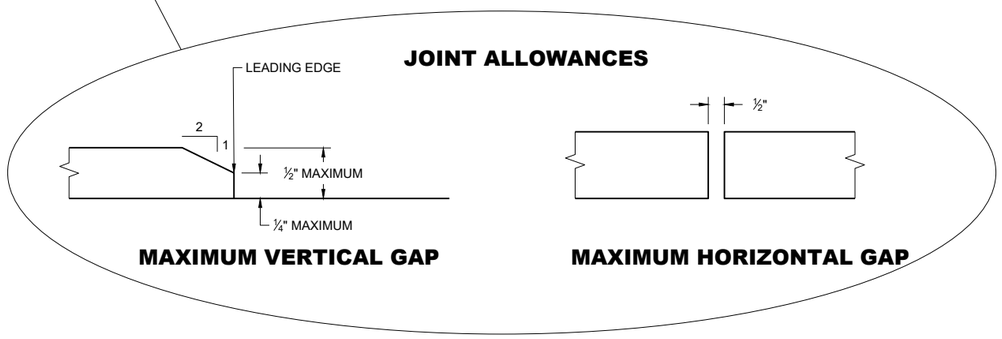
480

SDD 15D28 - 04

SDD 15D28 - 04



NARROW SIDEWALK PASSING DETAIL



MAXIMUM VERTICAL GAP

MAXIMUM HORIZONTAL GAP

GENERAL NOTES

BARRICADE DEVICE SELECTED FROM APPROVED PRODUCT LIST

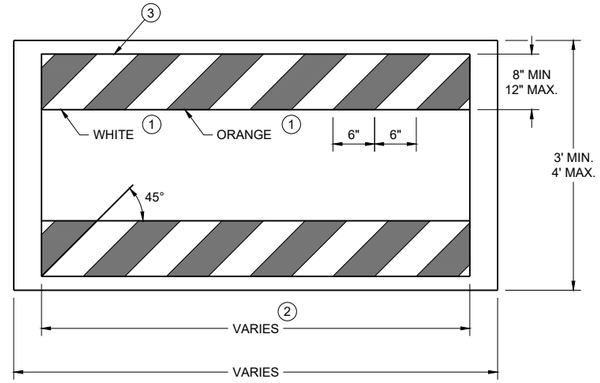
(1) REFLECTIVE SHEETING SHALL FOLLOW THE REQUIREMENTS IN THE APPROVED PRODUCTS LISTING FOR SIGN SHEETING.

(2) SHEETING REQUIRED ON MORE THAN 50% OF BARRICADE WIDTH.

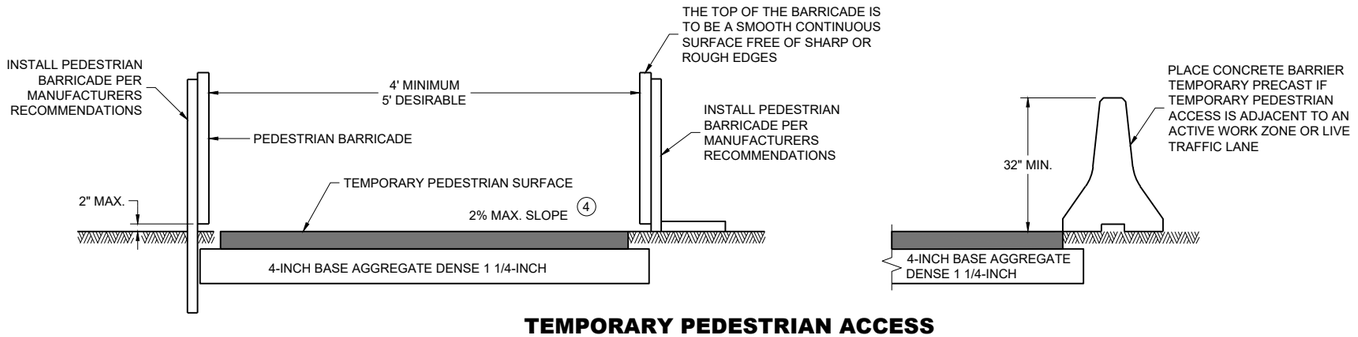
(3) PLACE SHEETING ON BOTH SIDES OF THE BARRICADE.

* USE THIS DETAIL FOR SHEETING PLACEMENT REFERENCE.

(4) WHEN THE TEMPORARY PEDESTRIAN ACCESS ROUTE RUNS PARALLEL ON THE ROADWAY SURFACE, THE MAXIMUM CROSS SLOPE WILL MATCH THE EXISTING ROADWAY CROSS SLOPE.



TEMPORARY PEDESTRIAN BARRICADE *



TEMPORARY PEDESTRIAN ACCESS

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

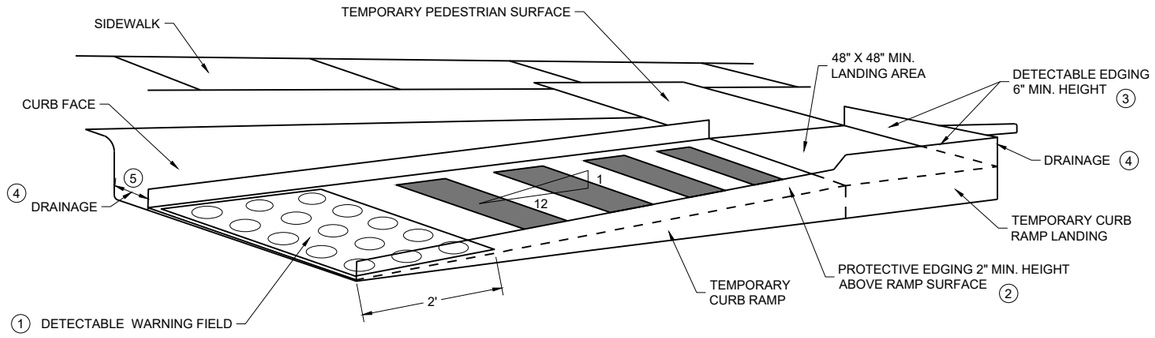
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 15D30-10a

6

SDD 15D30-10a



PERSPECTIVE VIEW

GENERAL NOTES

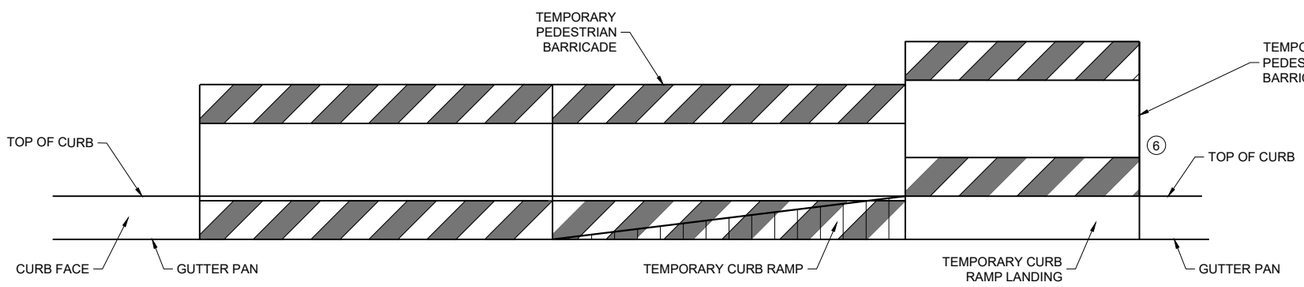
CURB RAMPS SHALL BE 48" MIN. WIDTH WITH A FIRM, STABLE AND SLIP RESISTANT SURFACE.

CURB RAMPS AND LANDINGS SHALL HAVE A 1:50 (2%) MAX. CROSS-SLOPE.

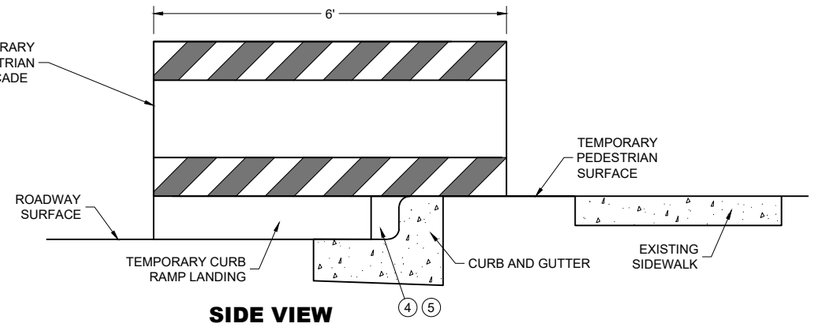
CLEAR SPACE OF 48" X 48" SHALL BE PROVIDED ABOVE AND BELOW THE CURB RAMP.
LATERAL JOINTS OR GAPS BETWEEN SURFACES SHALL BE LESS THAN ½" WIDTH.

CHANGES BETWEEN SURFACE HEIGHTS SHALL NOT EXCEED ½". LATERAL EDGES MAY BE VERTICAL UP TO ¼" HIGH AND SHALL BE BEVELED AT 1:2 BETWEEN ¼" AND ½".

1. INSTALL CONTRASTING TEMPORARY DETECTABLE WARNING FIELD AT PEDESTRIAN STREET CROSSINGS, AS SHOWN IN THE PLANS.
2. PROTECTIVE EDGING WITH A 2" MIN. HEIGHT SHALL BE INSTALLED WHEN A CURB RAMP OR LANDING PLATFORM HAS A VERTICAL DROP OF 6" OR GREATER OR HAS A SIDE APRON SLOPE STEEPER THAN 1:3 (33%). PROTECTIVE EDGING SHOULD BE CONSIDERED WHEN CURB RAMPS OR LANDING PLATFORMS HAVE A VERTICAL DROP OF 3" OR MORE.
3. DETECTABLE EDGING WITH 6" MIN. HEIGHT AND CONTRASTING COLOR SHALL BE INSTALLED ON ALL CURB RAMP LANDINGS WHERE THE WALKWAY CHANGES DIRECTION (TURNS).
4. DO NOT RESTRICT WATER FLOW IN THE GUTTER SYSTEM.
5. ENSURE CURB RAMP IS OUT OF THE GUTTER PAN.
6. IF ONLY PART OF THE END PANEL OF TEMPORARY PEDESTRIAN BARRICADE PANEL IS NEEDED, EXTEND EXCESS PORTION OF TEMPORARY PEDESTRIAN BARRICADE PANEL HERE.



FRONT VIEW



SIDE VIEW

TEMPORARY CURB RAMP PARALLEL TO CURB

6

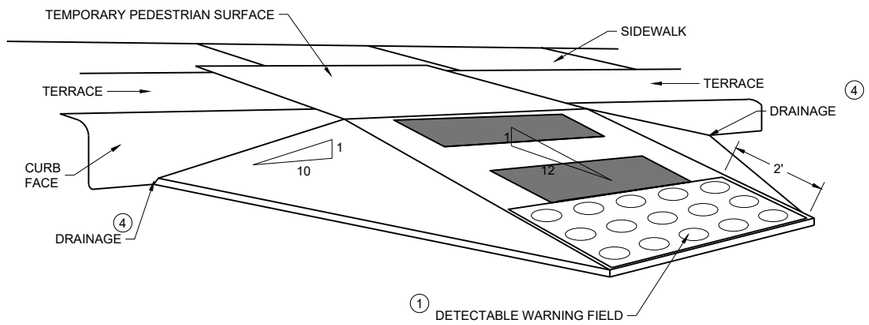
SDD 15D30-10b

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

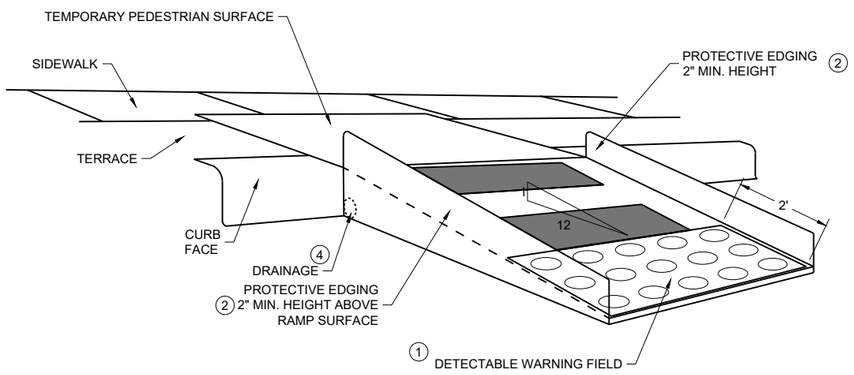
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 15D30-10b



WITH SIDE APRON (5)



WITH PROTECTIVE EDGE

TEMPORARY CURB RAMP PERPENDICULAR TO CURB

GENERAL NOTES

CURB RAMPS SHALL BE 48" MINIMUM WIDTH WITH A FIRM, STABLE AND SLIP RESISTANT SURFACE.

ALTERNATE SIDEWALK WORK BETWEEN LEFT AND RIGHT SIDE OF ROADWAY TO MAINTAIN PEDESTRIAN ACCESS.

CURB RAMPS AND LANDINGS SHALL HAVE A 1:50 (2%) MAX. CROSS-SLOPE.

CLEAR SPACE OF 48" X 48" SHALL BE PROVIDED ABOVE AND BELOW THE CURB RAMP.

LATERAL JOINTS OR GAPS BETWEEN SURFACES SHALL BE LESS THAN ½" WIDTH.

CHANGES BETWEEN SURFACE HEIGHTS SHALL NOT EXCEED ½". LATERAL EDGES MAY BE VERTICAL UP TO ¼" HIGH AND SHALL BE BEVELED AT 1:2 BETWEEN ¼" AND ½".

(1) INSTALL CONTRASTING TEMPORARY DETECTABLE WARNING FIELD AT PEDESTRIAN STREET CROSSINGS, AS SHOWN IN THE PLANS

(2) PROTECTIVE EDGING WITH A 2" MIN. HEIGHT SHALL BE INSTALLED WHEN A CURB RAMP OR LANDING PLATFORM HAS A VERTICAL DROP OF 6" OR GREATER OR HAS A SIDE APRON SLOPE STEEPER THAN 1:3 (33%). PROTECTIVE EDGING SHOULD BE CONSIDERED WHEN CURB RAMPS OR LANDING PLATFORMS HAVE A VERTICAL DROP OF 3" OR MORE.

(3) DETECTABLE EDGING WITH 6" MIN. HEIGHT AND CONTRASTING COLOR SHALL BE INSTALLED ON ALL CURB RAMP LANDINGS WHERE THE WALKWAY CHANGES DIRECTION (TURNS).

(4) DO NOT RESTRICT WATER FLOW IN THE GUTTER SYSTEM.

(5) CAN ONLY BE USED FOR RAMPS WITH 6" OR LESS OF VERTICAL CHANGE.

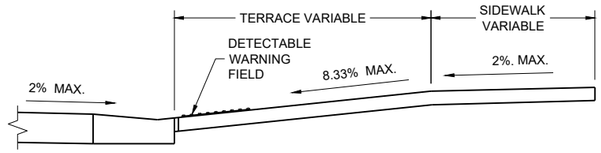
6

SDD 15D30-10c

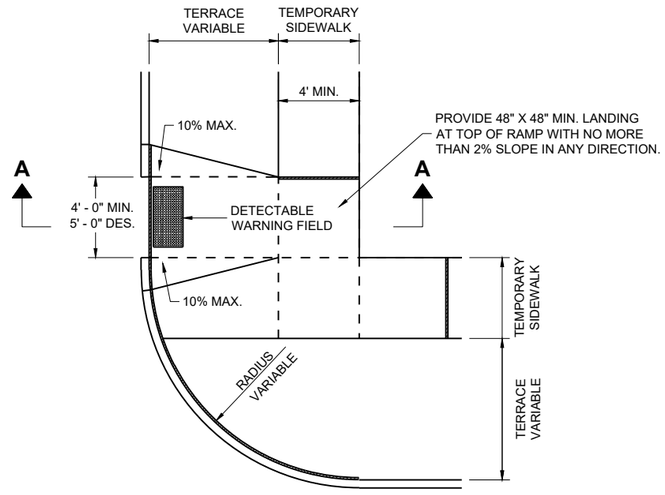
TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES



SECTION A - A



PLAN VIEW
TEMPORARY TYPE 3 RAMP
(OUTSIDE OF CROSSWALK AREA)

6

SDD 15D30-10d

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023 — DATE
/S/ Andrew Heidtke — <position>

FHWA

6

SDD 15D30-10d

LEGEND

- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL DRUM
- WORK AREA
- UNDER PEDESTRIAN TRAFFIC
- TEMPORARY CURB RAMP
- TEMPORARY PEDESTRIAN SURFACE "A"
- TEMPORARY PEDESTRIAN SURFACE "B"
- TEMPORARY PEDESTRIAN BARRICADE
- DIRECTION OF TRAFFIC

GENERAL NOTES

TYPICAL TEMPORARY PEDESTRIAN BARRICADE PANEL IS 6 FEET LONG.

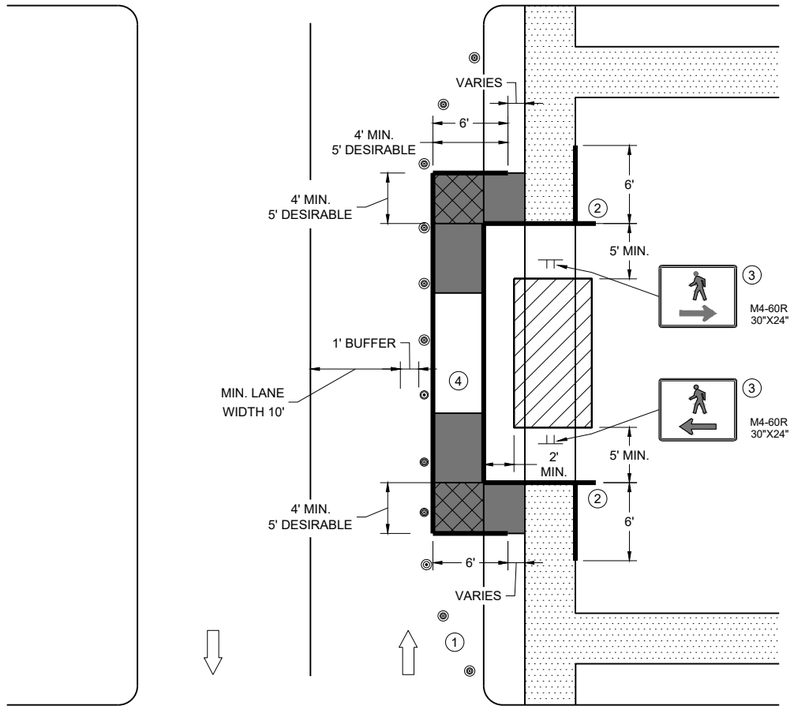
WHERE TEMPORARY BARRICADE RUNS PARALLEL ALONG SIDEWALK, PLACE THE FACE OF THE BARRICADE AT THE EDGE OF THE SIDEWALK.

(1) SHOULDER OR LANE CLOSURE ADVANCE WARNING AND BUFFER SPACE REQUIRED.

(2) PLACE EXCESS PORTION OF TEMPORARY PEDESTRIAN BARRICADE PANEL PAST THE SIDEWALK ON THE SIDE AWAY FROM THE ROAD.

(3) MOUNTING HEIGHT OF 5 FEET FROM THE SURFACE TO THE BOTTOM OF SIGN.

(4) USE EXISTING PAVEMENT SURFACE. IF EXISTING PAVEMENT SURFACE HAS BEEN REMOVED, USE A TEMPORARY PEDESTRIAN SURFACE. WHEN THE TEMPORARY PEDESTRIAN ACCESS ROUTE RUNS PARALLEL ON THE ROADWAY SURFACE, THE MAXIMUM CROSS SLOPE WILL MATCH THE EXISTING ROADWAY CROSS SLOPE.



SIDEWALK BYPASS, SINGLE SIDE

6

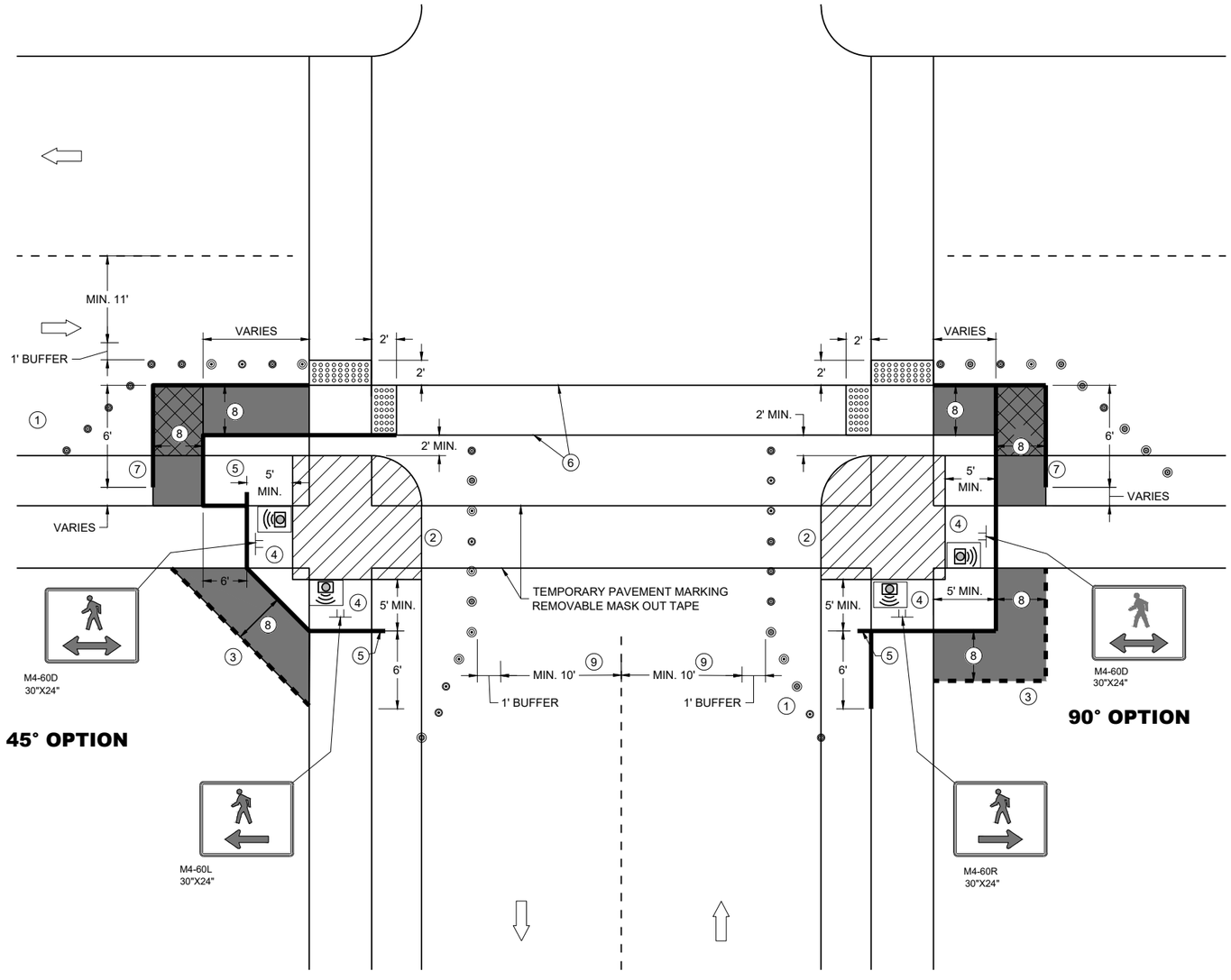
SDD 15D30-10h

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 15D30-10h



CURB RAMP PEDESTRIAN TRAFFIC CONTROL

GENERAL NOTES

IF PEDESTRIAN PUSH BUTTONS ARE PRESENT ON THE EXISTING FACILITY, ENSURE THEY ARE MAINTAINED/ACCESSIBLE FOR PEDESTRIAN USE THROUGHOUT THE TEMPORARY PEDESTRIAN ACCOMMODATIONS.

TYPICAL TEMPORARY PEDESTRIAN BARRICADE PANEL IS 6 FEET LONG

WHEN TEMPORARY PEDESTRIAN BARRICADE RUNS PARALLEL ALONG THE SIDEWALK, PLACE THE FACE OF THE BARRICADE AT THE EDGE OF THE SIDEWALK.

WHEN THE TEMPORARY PEDESTRIAN ACCESS ROUTE RUNS PARALLEL ON THE ROADWAY SURFACE, THE MAXIMUM CROSS SLOPE WILL MATCH THE EXISTING ROADWAY CROSS SLOPE.

(1) SHOULDER OR LANE CLOSURE ADVANCE WARNING AND PROPER BUFFER SPACE REQUIRED.

(2) PROVIDE ADEQUATE SPACE FOR CONTRACTOR OPERATIONS

(3) USE TEMPORARY PEDESTRIAN BARRICADE TO SEPARATE PEDESTRIANS FROM DROP OFFS OR FOR ADDITIONAL PEDESTRIAN CHANNELIZATION.

(4) MOUNTING HEIGHT OF 5 FEET FROM SIDEWALK SURFACE TO BOTTOM OF SIGN.

(5) PLACE EXCESS PORTION OF TEMPORARY PEDESTRIAN BARRICADE PANEL IN THE SIDEWALK TERRACE.

(6) WHITE 6" TEMPORARY PAVEMENT MARKING

(7) IF TEMPORARY PEDESTRIAN BARRICADE DOES NOT REACH THE FACE OF THE CURB, USE AN ADDITIONAL PANEL AND EXTEND INTO THE TERRACE.

(8) 4 FEET MINIMUM, 5 FEET DESIRABLE

(9) IF MINIMUM LANE WIDTHS CAN'T BE ATTAINED, CURB RAMPS MAY NEED TO BE CONSTRUCTED AT SEPARATE TIMES.

LEGEND

- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL DRUM
- WORK AREA
- TEMPORARY CURB RAMP
- TEMPORARY PEDESTRIAN SURFACE "A"
- TEMPORARY PEDESTRIAN SURFACE "B"
- TEMPORARY DETECTABLE WARNING FIELD
- TEMPORARY PEDESTRIAN BARRICADE
- OPTIONAL TEMPORARY PEDESTRIAN BARRICADE
- DIRECTION OF TRAFFIC
- TEMPORARY AUDIBLE MESSAGE DEVICE (EXACT PLACEMENT BASED UPON FIELD CONDITIONS)

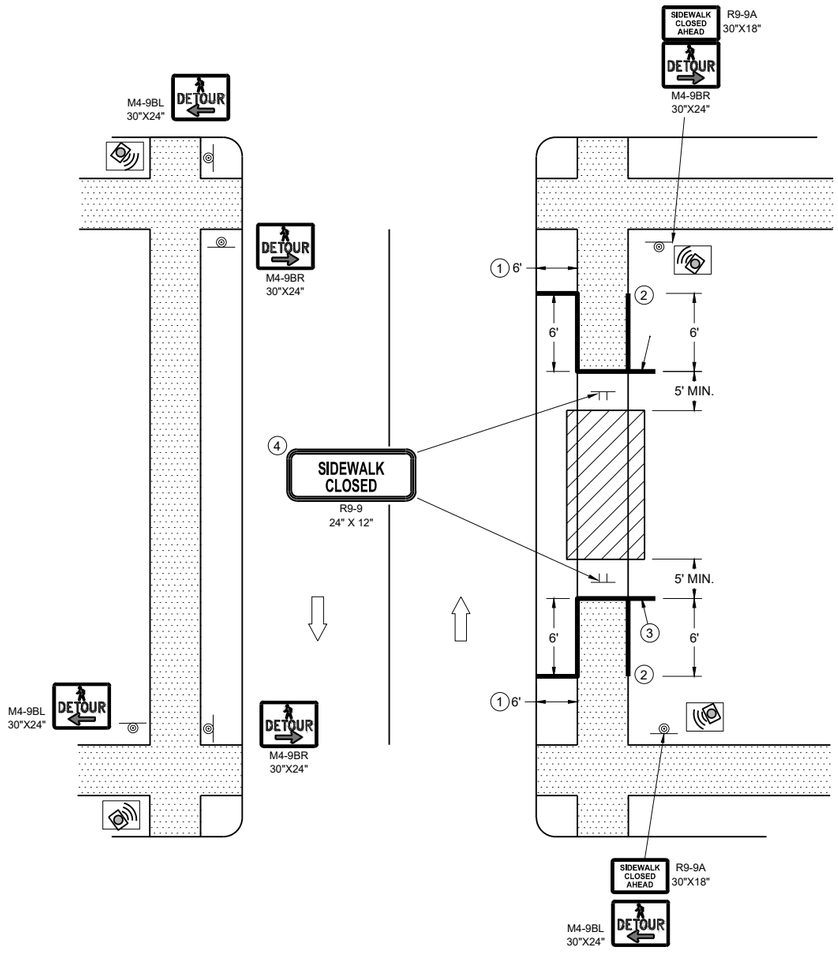
TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6
SDD 15D30-10j

LEGEND

- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- UNDER PEDESTRIAN TRAFFIC
- WORK AREA
- TEMPORARY PEDESTRIAN BARRICADE
- DIRECTION OF TRAFFIC
- TEMPORARY AUDIBLE MESSAGE DEVICE (EXACT PLACEMENT BASED UPON FIELD CONDITIONS)



SIDEWALK DETOUR, SIDEWALK ON BOTH SIDES

GENERAL NOTES

WHERE TEMPORARY BARRICADE RUNS PARALLEL ALONG SIDEWALK, PLACE THE FACE OF THE BARRICADE AT THE EDGE OF THE SIDEWALK.

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

PLACE TEMPORARY PEDESTRIAN BARRICADE TO FIT FIELD CONDITIONS, AVOIDING CONFLICT WITH DRIVEWAYS AND OTHER EXISTING FEATURES.

1. IF TERRACE IS LESS THAN 6 FEET WIDE, OMIT TEMPORARY PEDESTRIAN BARRICADE FROM THE SIDEWALK TO THE CURB.
2. PLACE BARRICADE CLOSURE SO THAT THE TEMPORARY PEDESTRIAN BARRICADE END IS AT THE LAST OPEN SIDEWALK ACCESS TO RESIDENCES OR BUSINESSES BEFORE THE SIDEWALK CLOSURE.
3. IF TEMPORARY PEDESTRIAN BARRICADE PANEL IS WIDER THAN THE SIDEWALK WIDTH, THE PORTION OF EXCESS PANEL SHOULD EXTEND INTO THE TERRACE.
4. MOUNTING HEIGHT OF 5 FEET FROM THE SURFACE TO THE BOTTOM OF SIGN.

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 15D30-10k

LEGEND

- EXISTING SIGN ON PERMANENT SUPPORT
- NEW SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- DIRECTION OF TRAFFIC
- WORK ZONE

GENERAL NOTES

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

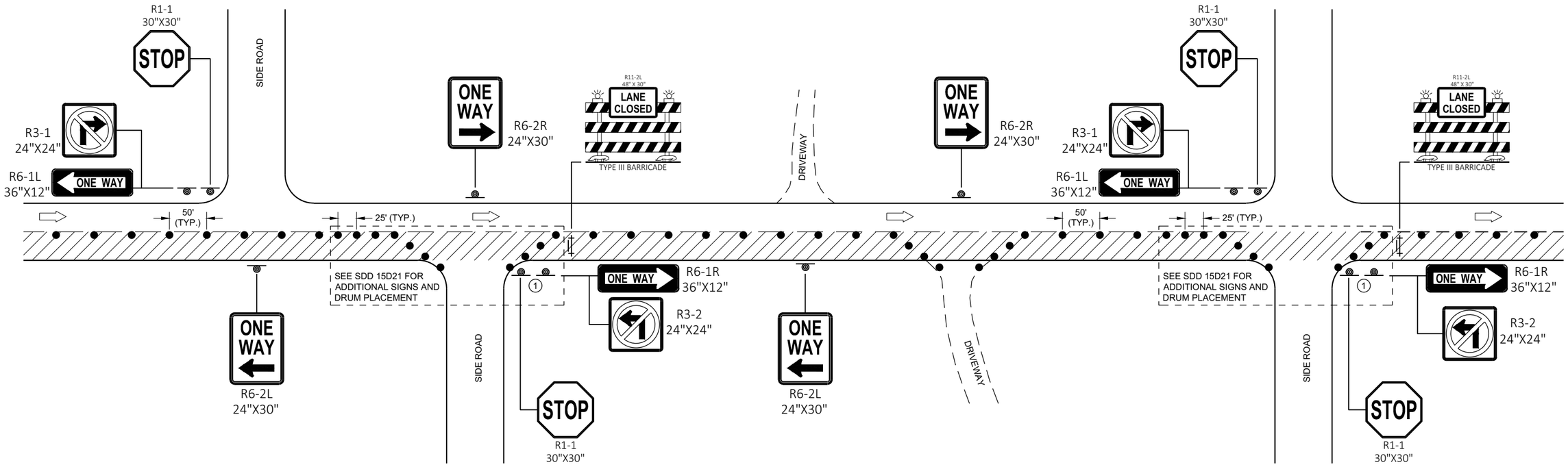
ALL SIGNS AND DEVICES SHALL BE IN CONFORMANCE WITH THE WISCONSIN MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (WMUTCD). SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE WISDOT STANDARD SIGN PLATES.

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.

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.

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

(1) IF WORK OPERATIONS ALLOWS, MOVE R1-1, R6-1R, AND R3-2 CLOSER TO INTERSECTION.



TRAFFIC CONTROL
ONE - WAY SIGNING

TRAFFIC CONTROL ONE-WAY SIGNING	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED May 2020 DATE	/S/ Andrew Heidtke WORK ZONE ENGINEE
FHWA	488

6

SDD 15D46 - 01

6

SDD 15D46 - 01

LEGEND

- TYPE III BARRICADE WITH ATTACHED SIGN
- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- TYPE "A" WARNING LIGHT (FLASHING)
- DIRECTION OF TRAFFIC
- WORK AREA

POSTED SPEED LIMIT PRIOR TO WORK STARTING (MPH)	ADVANCE WARNING SIGN SPACING (A) FEET	SHIFTING TAPER L/2 W, LATERAL OFFSET (FT)					
		3	4	5	6	7	8
25	200	10	14	17	21	24	28
30	200	15	20	25	30	35	40
35	350	20	27	34	40	47	54
40	350	26	35	44	53	62	70
45	500	45	59	74	89	104	119
50	500	50	66	83	99	116	132
55	500	54	73	91	109	127	145

GENERAL NOTES

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

ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS IN URBAN AREAS, 36"x36" SIGNS MAY BE USED IF APPROVED BY THE REGIONAL TRAFFIC UNIT.

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

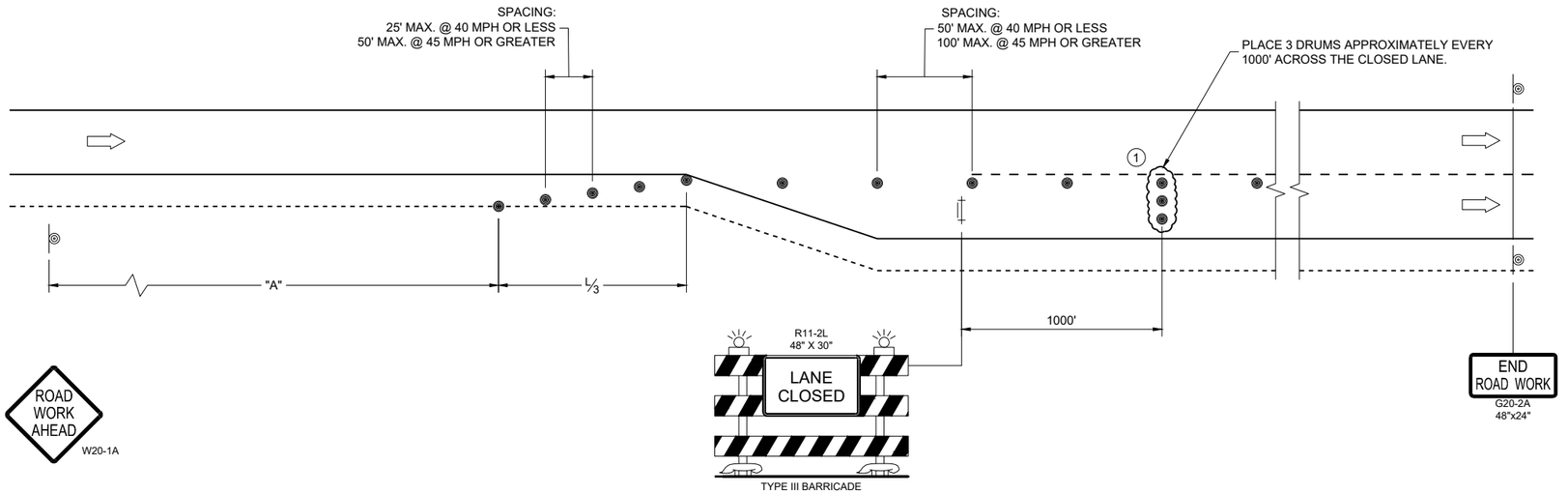
ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

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

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

W20-1 AND G20-2A SIGNS ARE NOT REQUIRED IF THE WORK AREA IS WITHIN A LARGER WORK ZONE WHERE THESE SIGNS ARE ALREADY PRESENT. G20-2A SIGNS MAY ALSO BE OMITTED IF DURATION WORK IS LESS THAN SEVEN CONTINUOUS DAYS AND NIGHTS.

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



TRAFFIC CONTROL
ADDED LANE CLOSURE
WITHOUT LANE SHIFT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2025 — DATE
/S/ Andrew Heidtke — WORK ZONE ENGINEER

FHWA

6
SDD 15D50-04a

LEGEND

- TYPE III BARRICADE WITH ATTACHED SIGN
- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- TYPE "A" WARNING LIGHT (FLASHING)
- DIRECTION OF TRAFFIC
- WORK AREA

POSTED SPEED LIMIT PRIOR TO WORK STARTING (MPH)	ADVANCE WARNING SIGN SPACING (A) FEET	SHIFTING TAPER (L/2) FEET
25	200	60
30	200	90
35	350	120
40	350	160
45	500	270
50	500	300
55	500	330

GENERAL NOTES

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

ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS IN URBAN AREAS, 36"x36" SIGNS MAY BE USED IF APPROVED BY THE REGIONAL TRAFFIC UNIT.

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

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

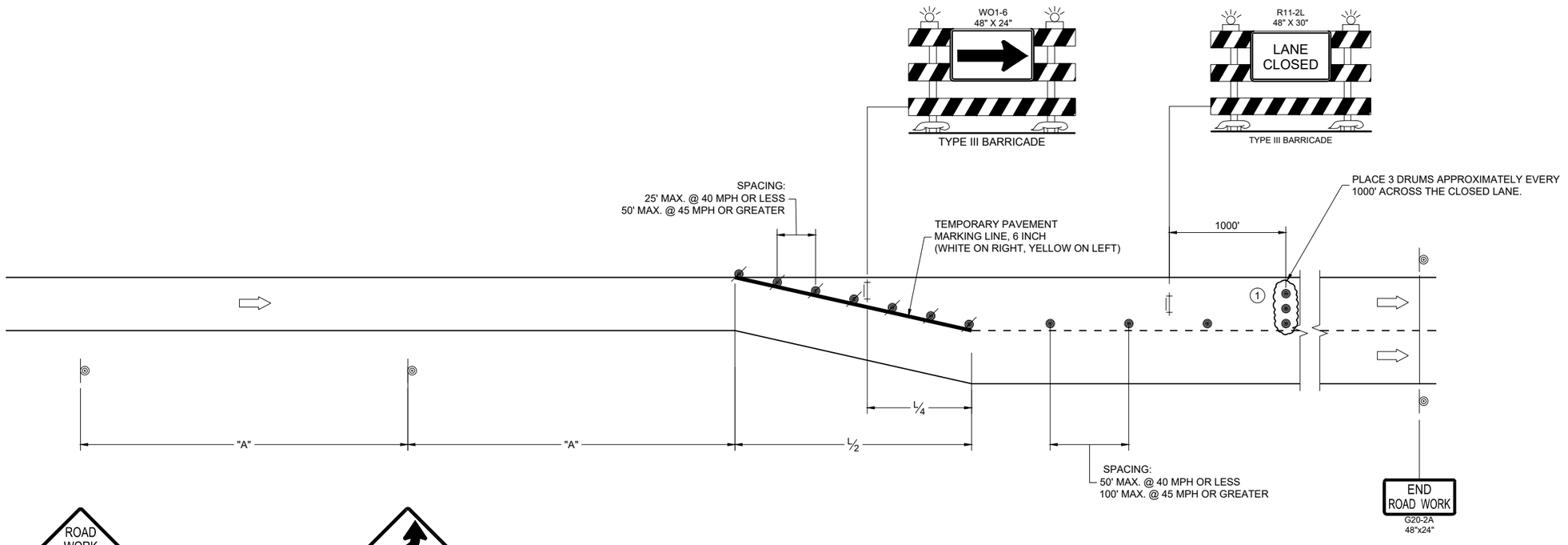
CHANNELIZING DEVICES PLACED ADJACENT TO WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

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

W20-1 AND G20-2A SIGNS ARE NOT REQUIRED IF THE WORK AREA IS WITHIN A LARGER WORK ZONE WHERE THESE SIGNS ARE ALREADY PRESENT. G20-2A SIGNS MAY ALSO BE OMITTED IF DURATION WORK IS LESS THAN SEVEN CONTINUOUS DAYS AND NIGHTS.

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

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



TRAFFIC CONTROL, ADDED LANE CLOSURE WITH LANE SHIFT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2025 — DATE
/S/ Andrew Heidtke — WORK ZONE ENGINEER
FHWA

6

SDD 15D50-04b

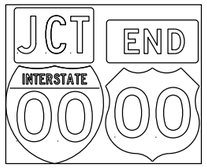
6

SDD 15D50-04b

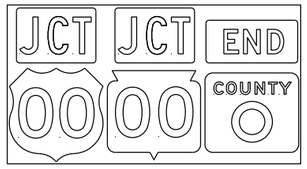
TYPICAL ASSEMBLIES



J1-1



J1-2



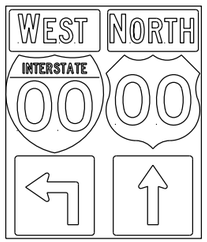
J1-3



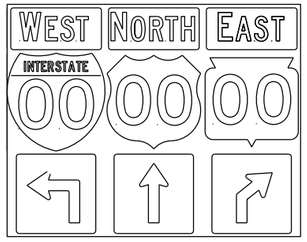
JR1-1



J2-1



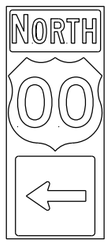
J2-2



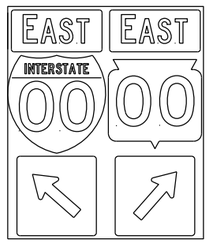
J2-3



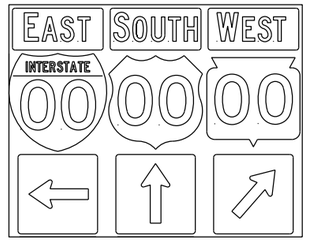
JV
(Typical Vertical J-Assembly
See Note 10 and 11)



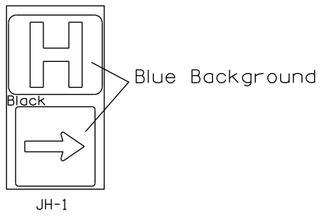
J3-1



J3-2



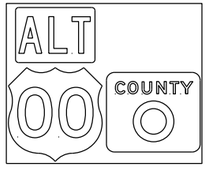
J3-3



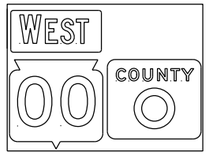
JH-1



J4-1



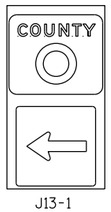
J4-2



J4-2



J12-1



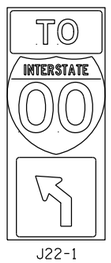
J13-1



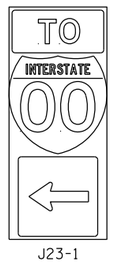
J32-1



J33-1



J22-1



J23-1



JR13-1



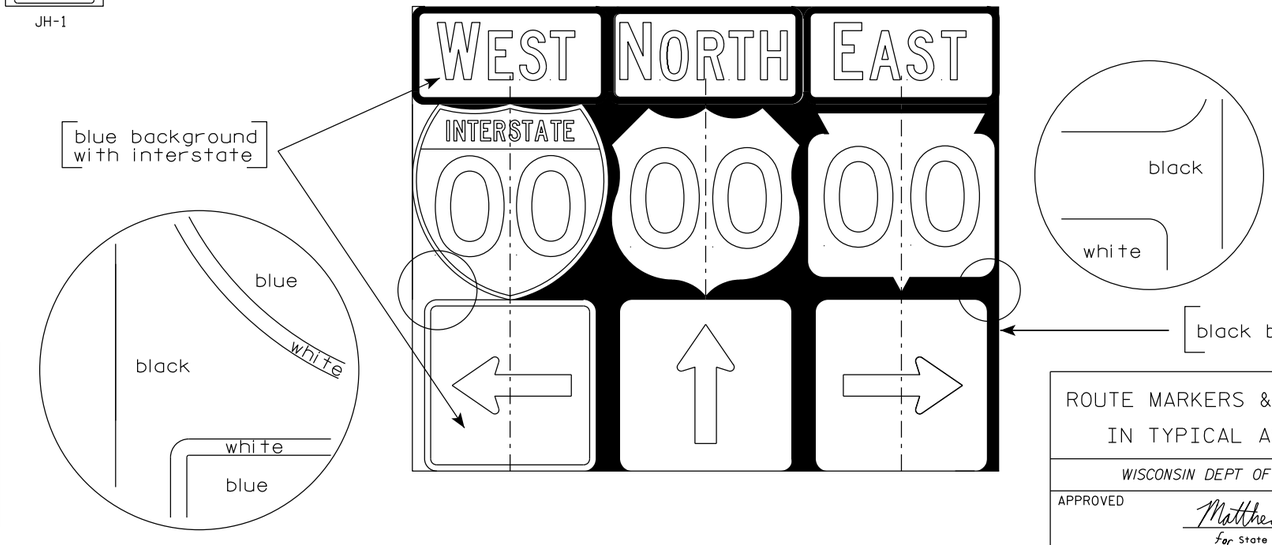
JR23-1



JR99-1

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

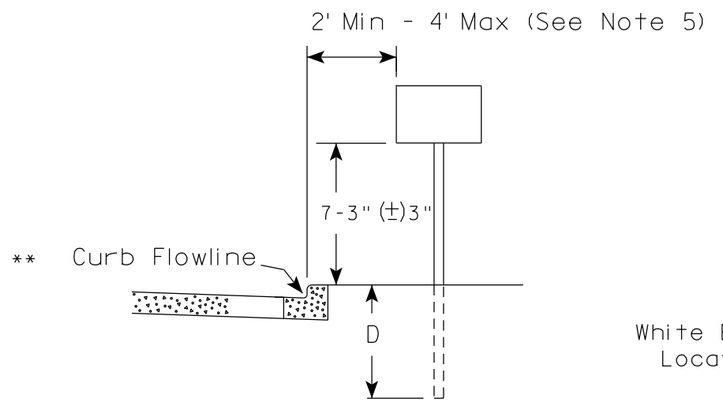
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 6/7/23 PLATE NO. A2-1S.10

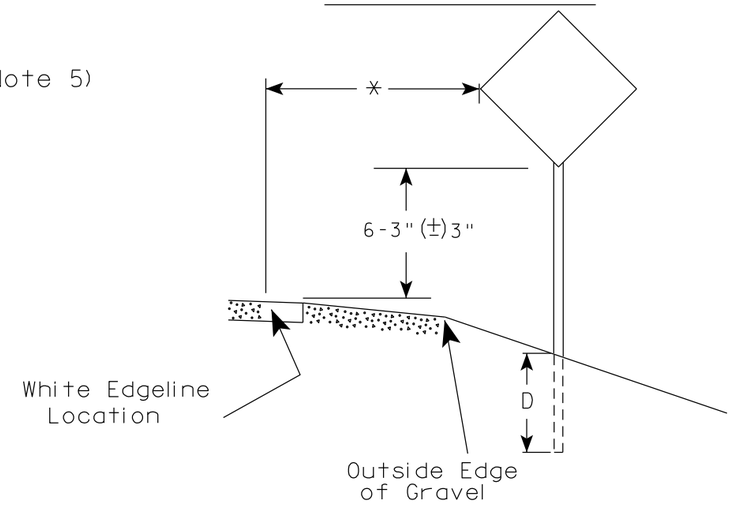
PROJECT NO:

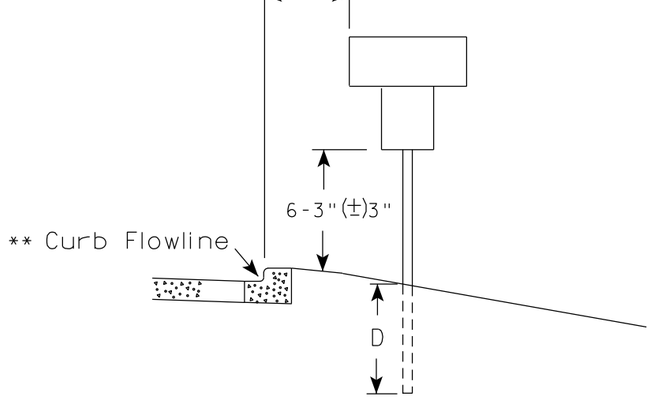
SHEET NO: 491 E

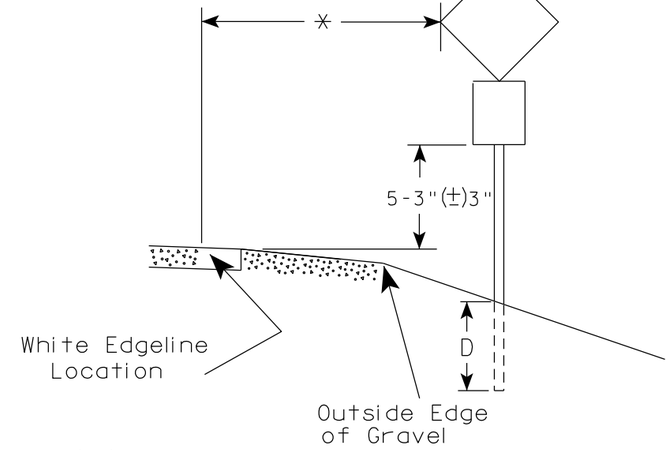
URBAN AREA



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.

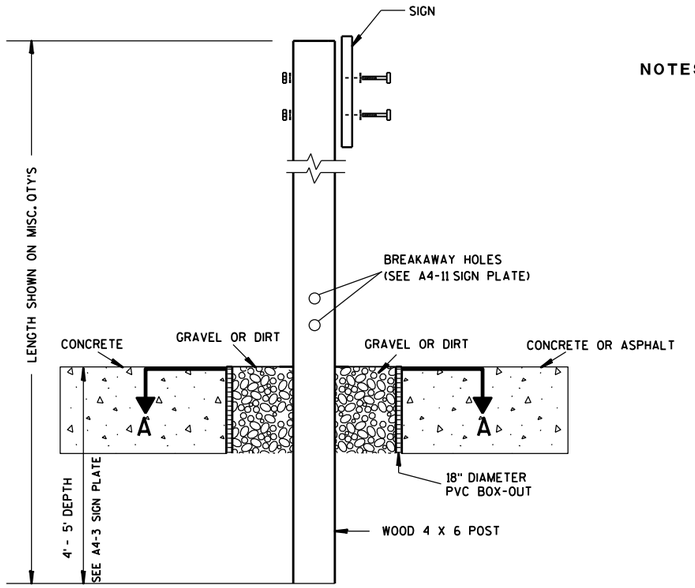
TYPICAL INSTALLATION OF PERMANENT TYPE II SIGNS ON SINGLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

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

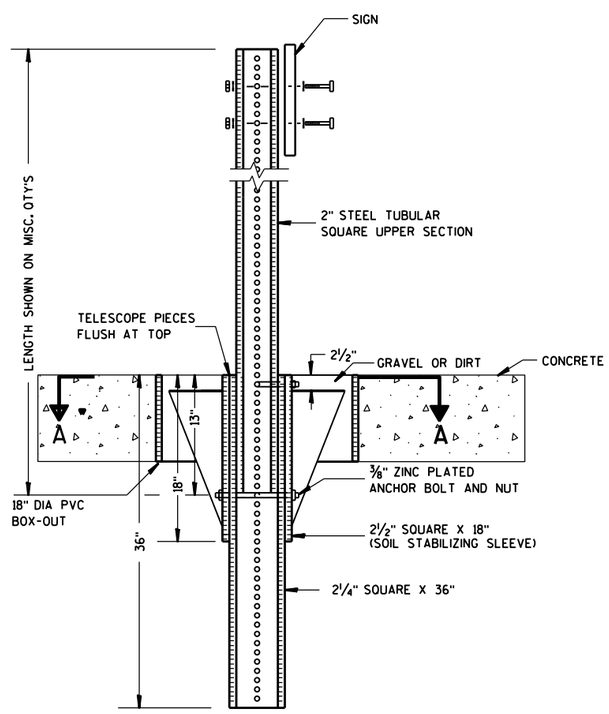
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 492	E



ELEVATION VIEW

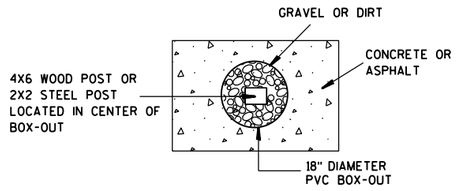
DETAIL OF WOOD 4 X 6 SIGN POST IN BOX-OUT

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

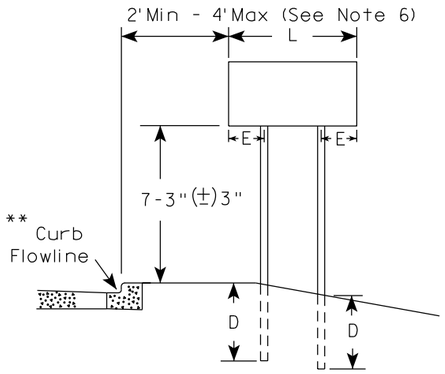
APPROVED Matthew R Rauch
for State Traffic Engineer

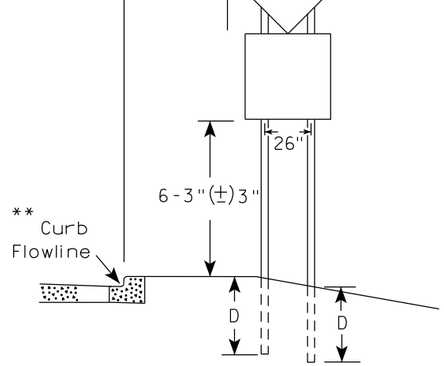
DATE 1/27/14 PLATE NO. A4-3B.1

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

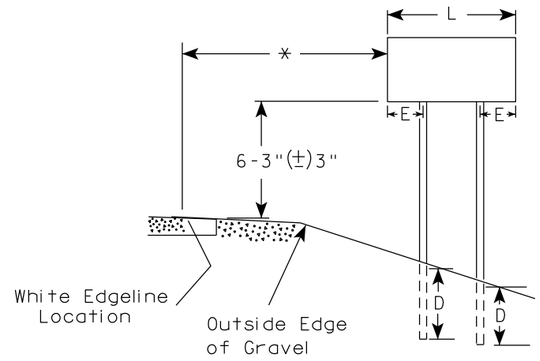
URBAN AREA

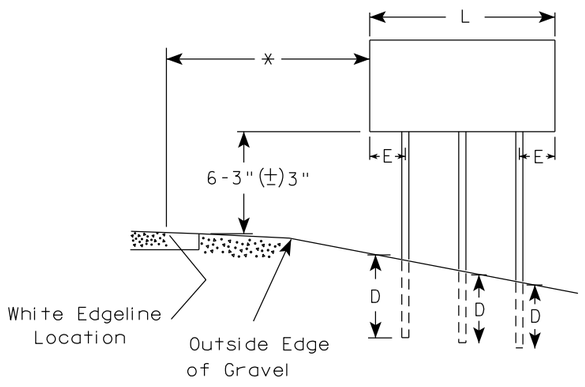


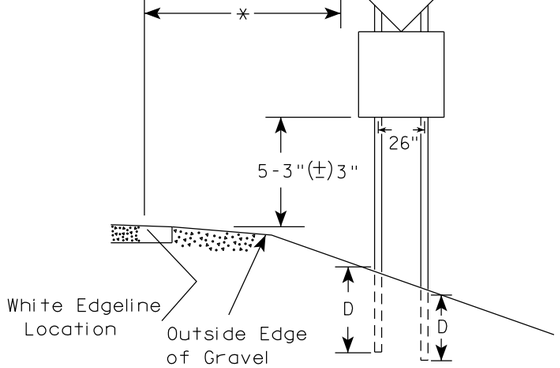


48" DIAMOND WARNING SIGN

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'

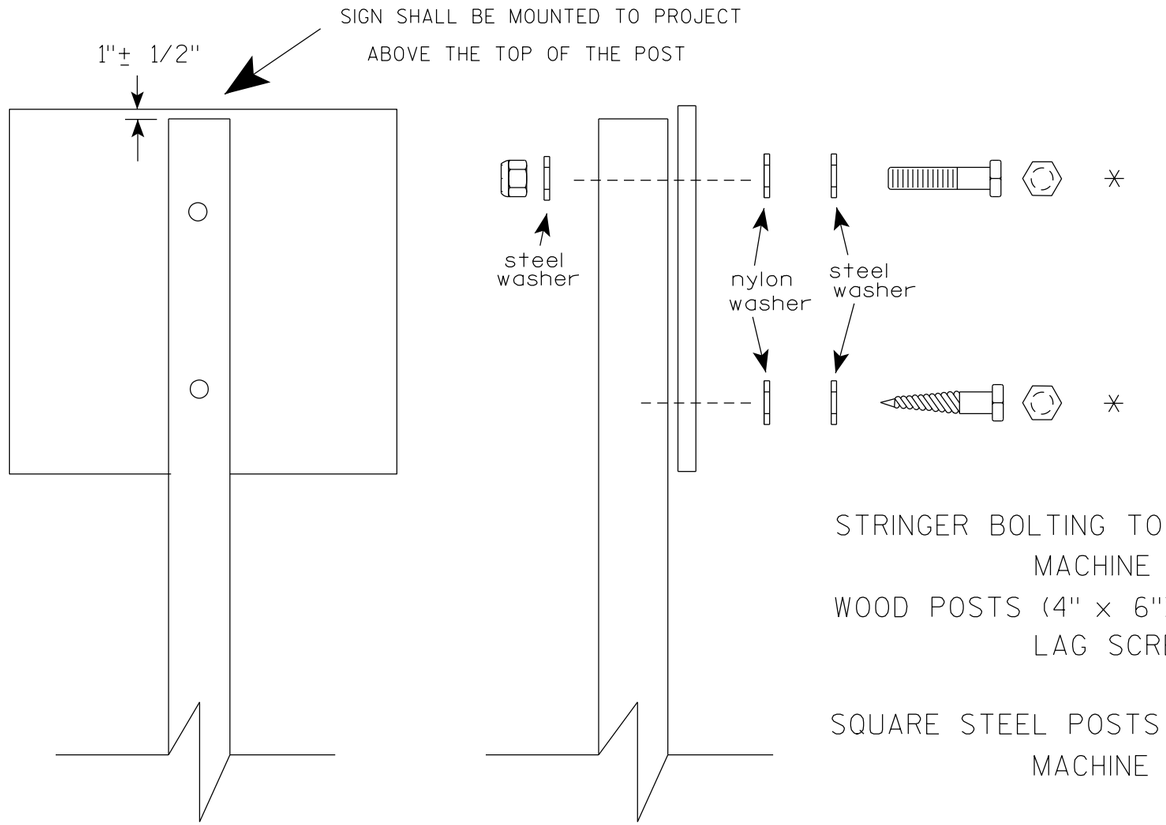
TYPICAL INSTALLATION OF TYPE II SIGNS ON MULTIPLE POSTS

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: 494	E



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

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

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

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

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

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

WOOD POSTS (4" x 6")

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

SQUARE STEEL POSTS (2" x 2")

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

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

WASHERS (ALL POSTS) -

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

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

ATTACHMENT OF SIGNS TO POSTS

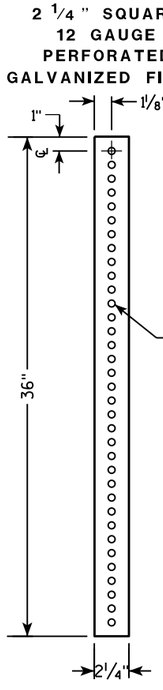
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

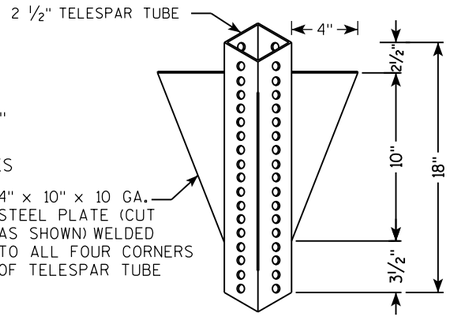
DATE 4/1/2020 PLATE NO. A4-8.9

TELESCOPIC TUBING ANCHORS
TWO PIECE SYSTEM

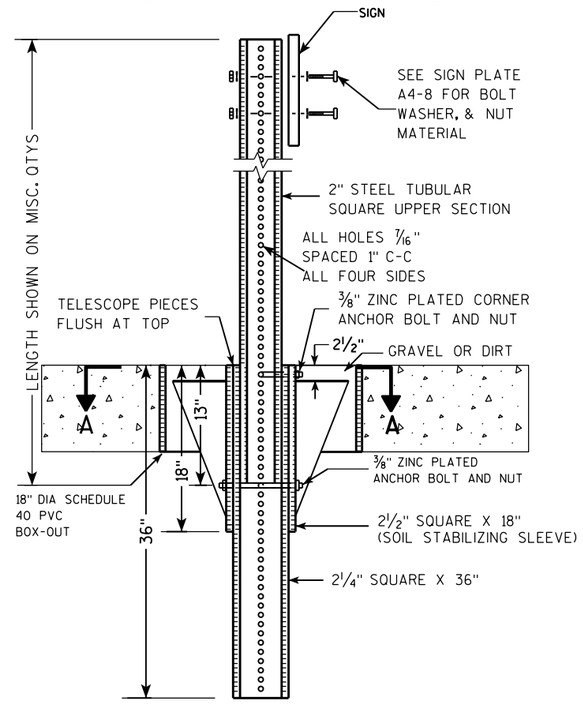
2 ¼ " SQUARE
12 GAUGE
PERFORATED
GALVANIZED FINISH



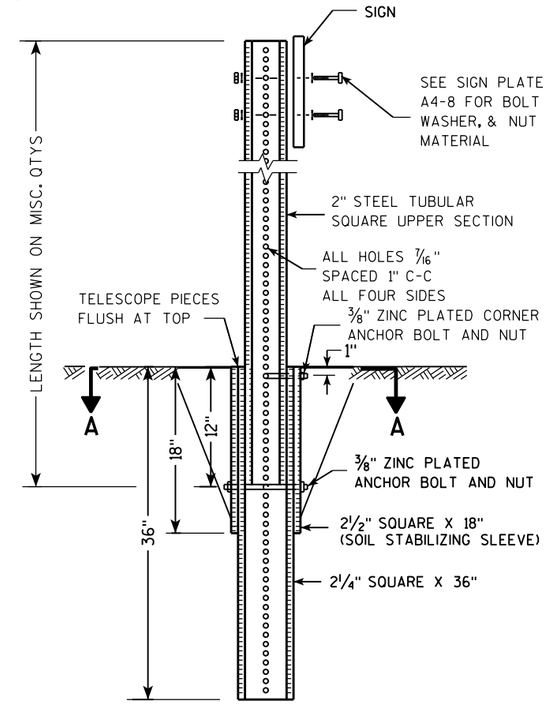
2 ½ " SQUARE
12 GAUGE
OMNI-DIRECTIONAL
PERFORATED
SOIL STABILIZING SLEEVE
GALVANIZED FINISH

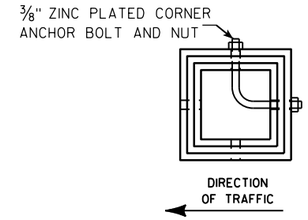


DETAIL OF TUBULAR STEEL SIGN POST
(IN POURED CONCRETE OR ASPHALT)



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

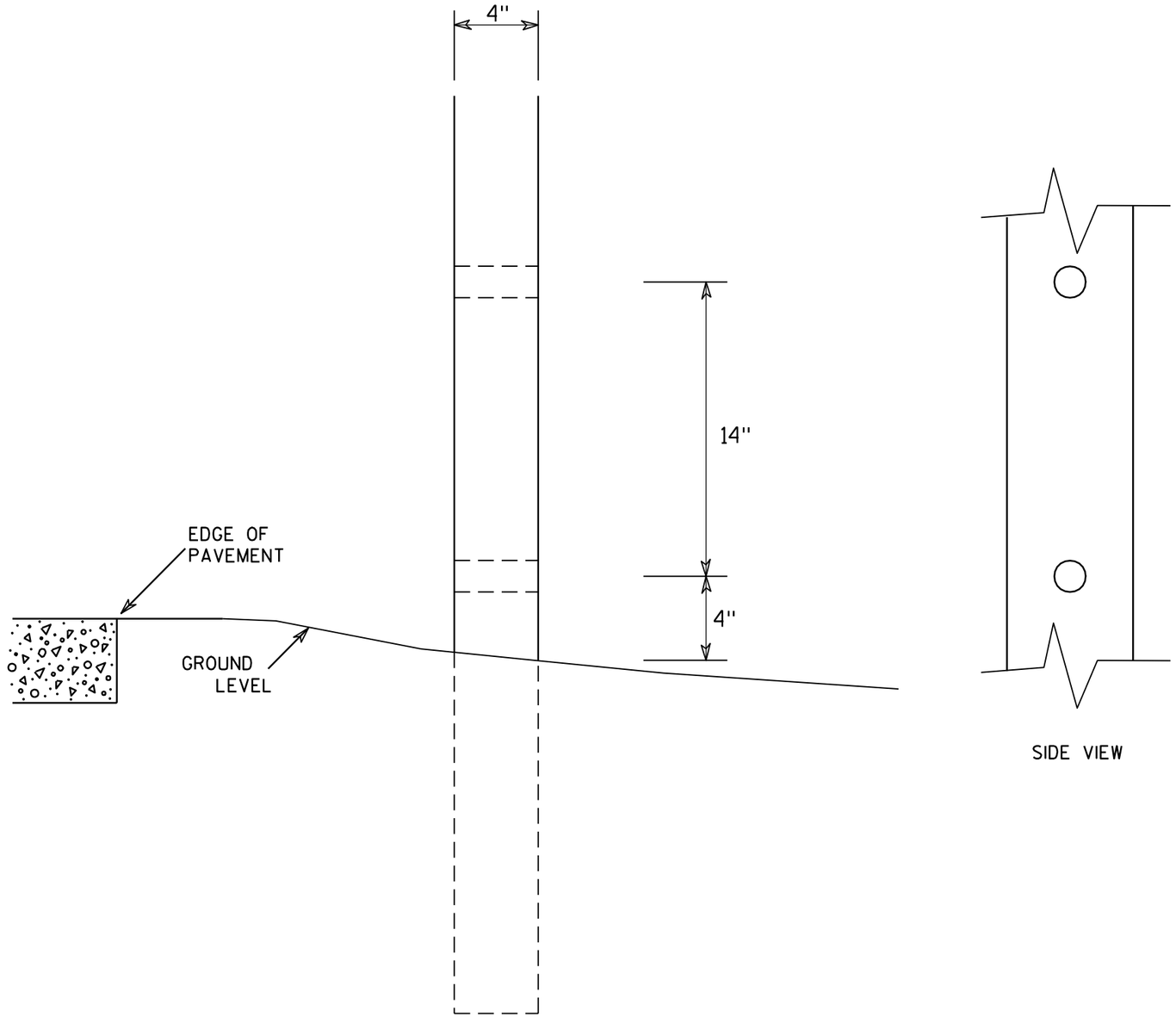
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/05/15 PLATE 496 A4-9.9

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A49.DGN PLOT DATE : 05-FEB-2015 17:09 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 13.659812:1.000000

WISDOT/CADDS SHEET 42



SIDE VIEW

GENERAL NOTES

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

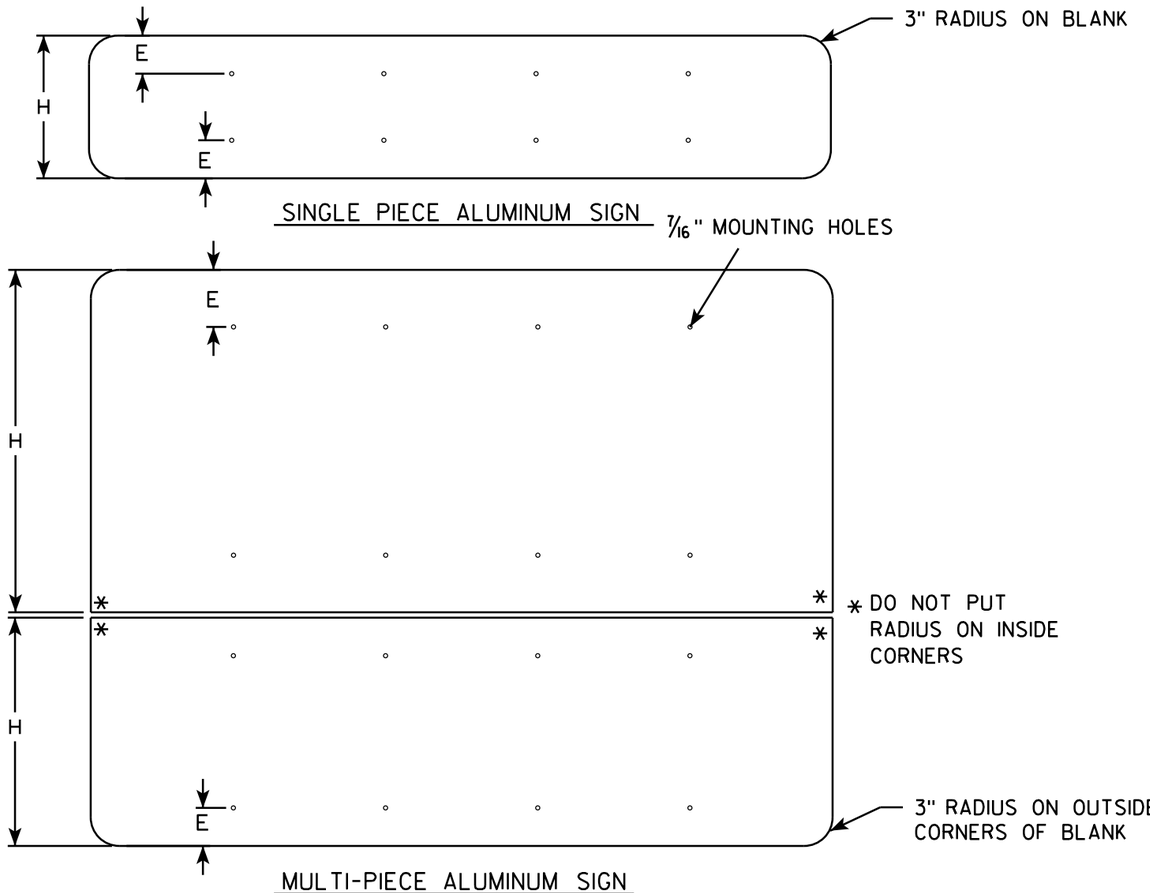
4 X 6 WOOD POST MODIFICATIONS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Chester J Spang for State Traffic Engineer

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

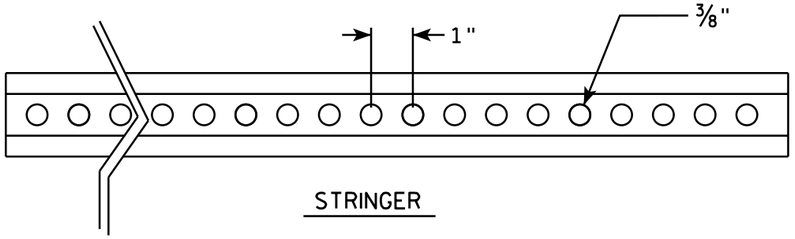
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 497	E



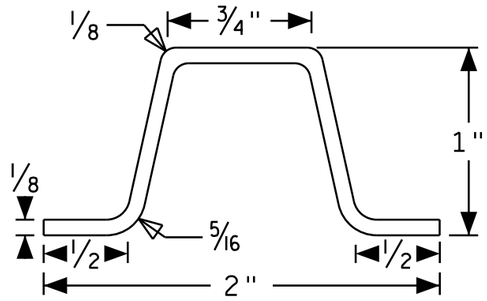
GENERAL NOTES

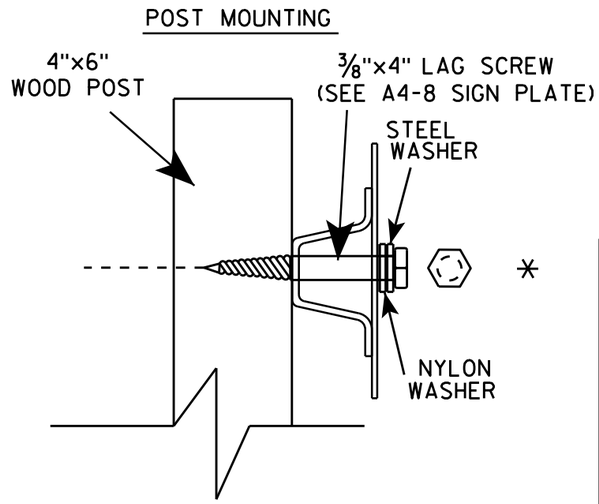
- ALL SIGNS OVER 60" IN WIDTH SHALL HAVE A 3" RADIUS ON THE OUTSIDE CORNERS OF THE ALUMINUM BLANK.
- MOUNTING HOLES SHALL BE 7/16" DIAMETER.
- SEE CHART FOR HOLE SPACING REQUIREMENTS
- FOR SIGN PANELS WITH DIMENSION (H) 36" AND OVER, DIMENSION E SHALL BE 6"
- FOR SIGN PANELS WITH DIMENSION (H) UNDER 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





SIGN STRINGER MOUNTING REQUIREMENTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch

for State Traffic Engineer

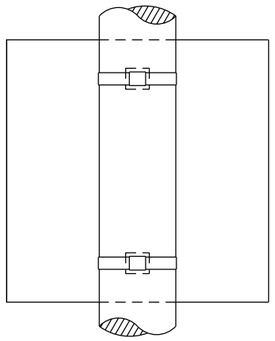
DATE 4/26/16 PLATE NO A4-18.1

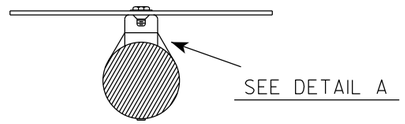
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

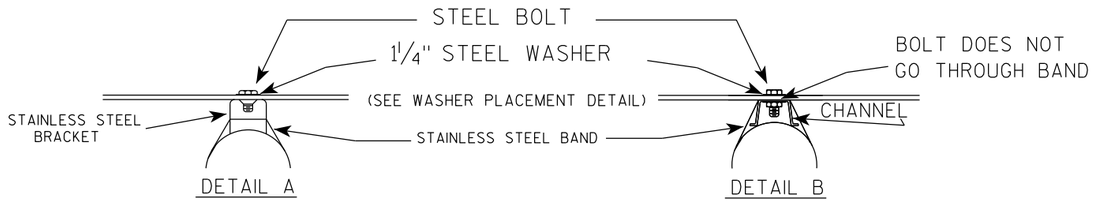
FILE NAME : C:\CAEfiles\Projects\tr_stdplate\A418.dgn PLOT DATE : 27-APR-2016 13:56 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 41.805205:1.000000

BANDING

SINGLE SIGN



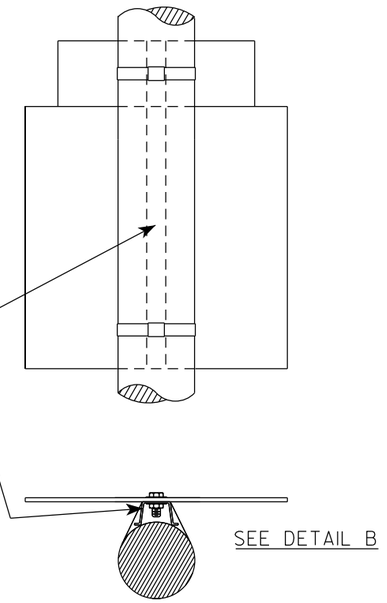




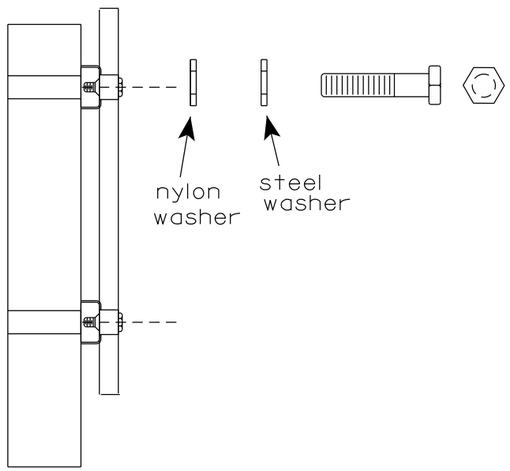
GENERAL NOTES

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



WASHER PLACEMENT



WASHERS (ALL POSTS) -
1-1/4" O.D. X ⅜" I.D. X 1/16" STEEL
1-1/4" O.D. X ⅜" I.D. X .080 NYLON
FOR ALL TYPE H SIGNS

STANDARD SIGN
SIGN BANDING DETAILS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

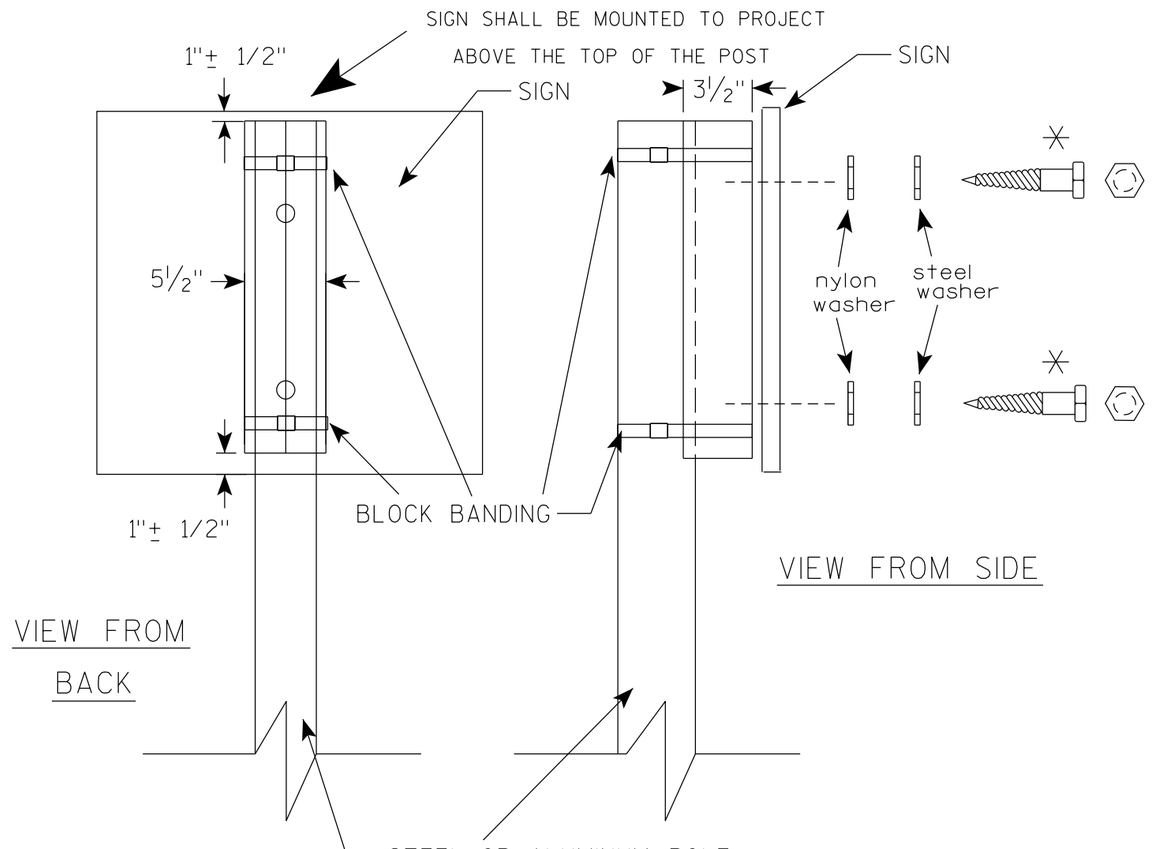
DATE 6/10/19 PLATE NO. A5-9.4

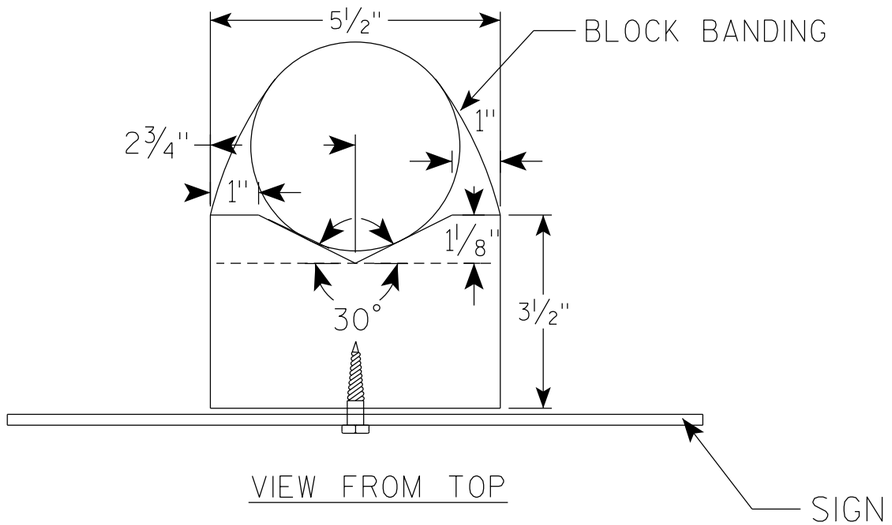
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 499	E

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)

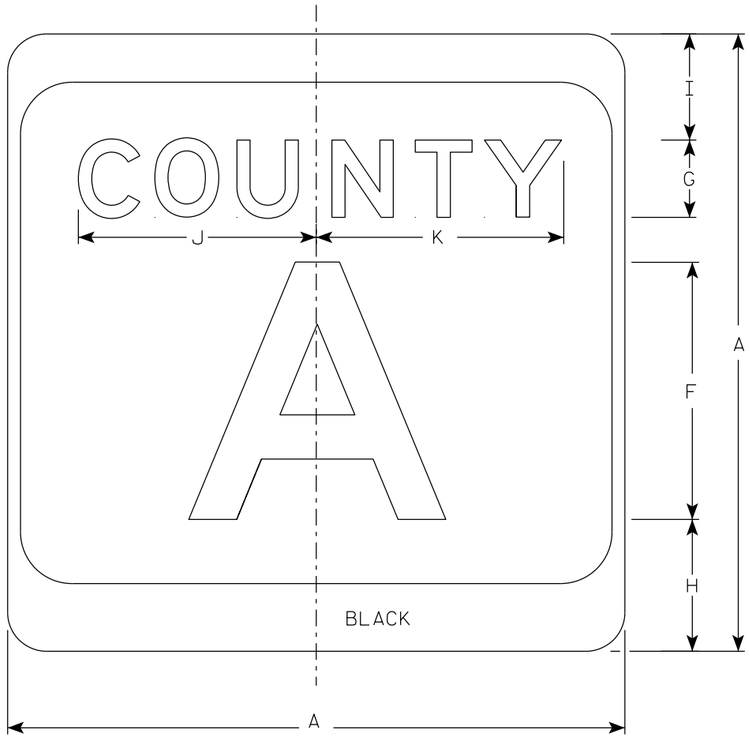
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

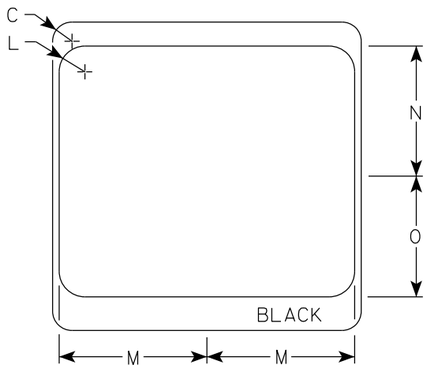
DATE 4/19/2022 PLATE NO. A5-10.3

PROJECT NO:

SHEET NO: 500 E

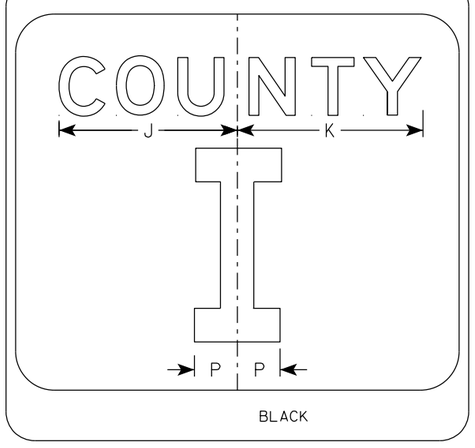


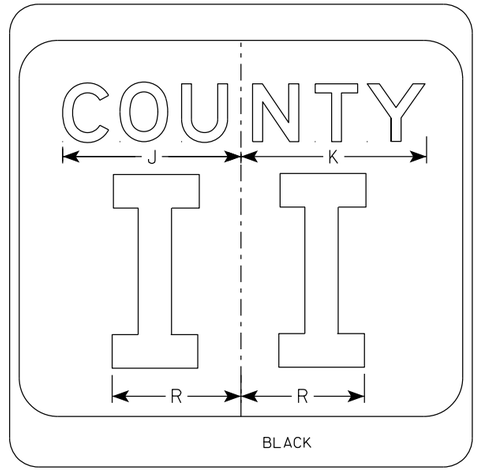
M1-5A



NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White & Black
   Message - Black
3. Message Series - see Note 4
4. Message Series E for 1 letter.
   Message Series D for 2 letters unless message is too big then Series C.
   Message Series C for 3 letters unless message is too big then Series B.
5. Substitute appropriate letters & optically center to achieve proper balance.





SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24		1 1/2			10	3	5 1/8	4 1/8	9 1/4	9 5/8	2	11 1/2	10 1/8	9 3/8	2 1/4		6 5/8									4.0
2M	24		1 1/2			10	3	5 1/8	4 1/8	9 1/4	9 5/8	2	11 1/2	10 1/8	9 3/8	2 1/4		6 5/8									4.0
3	36		2 1/4			16	4	7 5/8	5 5/8	12 1/4	12 7/8	3	17 1/8	15 1/4	14	3 3/8		10									9.0
4	36		2 1/4			16	4	7 5/8	5 5/8	12 1/4	12 7/8	3	17 1/8	15 1/4	14	3 3/8		10									9.0
5	36		2 1/4			16	4	7 5/8	5 5/8	12 1/4	12 7/8	3	17 1/8	15 1/4	14	3 3/8		10									9.0

CTH MARKER
M1-5A FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

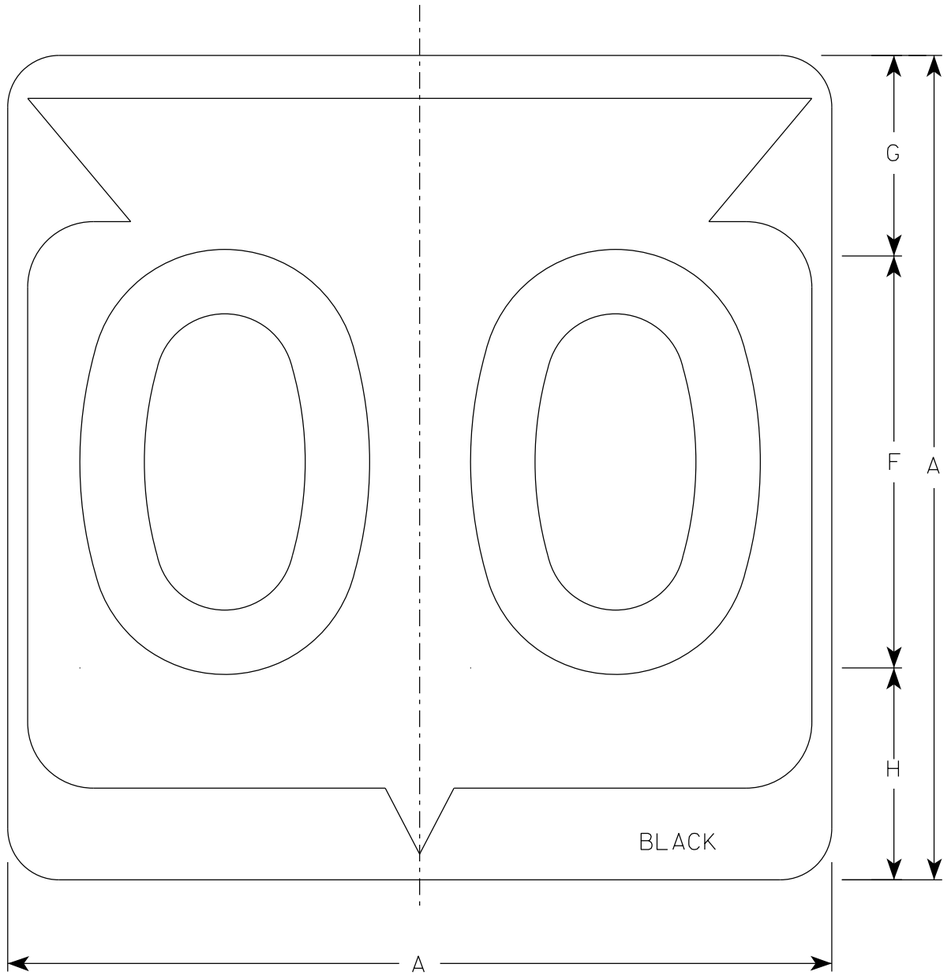
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/8/2022 PLATE NO. M1-5A.9

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M15A.dgn PLOT DATE : 8-NOV 2022 8:26 PLOT BY : dotc4c PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

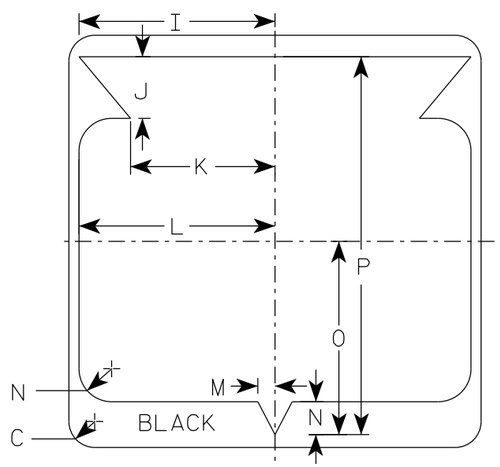
7



M1-6

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D except 3 number signs Series C



SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24		1 1/2			12	5 1/2	6 1/2	10 1/4	2 1/2	8 7/8	11 1/2	1	1 7/8	11 1/4	21 7/8											4.0
2M	24		1 1/2			12	5 1/2	6 1/2	10 1/4	2 1/2	8 7/8	11 1/2	1	1 7/8	11 1/4	21 7/8											4.0
3	36		2 1/4			18	8 3/4	9 1/4	15 3/8	5 3/8	12 5/8	17 1/8	1 1/2	2 7/8	16 7/8	33											9.0
4	36		2 1/4			18	8 3/4	9 1/4	15 3/8	5 3/8	12 5/8	17 1/8	1 1/2	2 7/8	16 7/8	33											9.0
5	36		2 1/4			18	8 3/4	9 1/4	15 3/8	5 3/8	12 5/8	17 1/8	1 1/2	2 7/8	16 7/8	33											9.0

STATE ROUTE MARKER
M1-6 FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

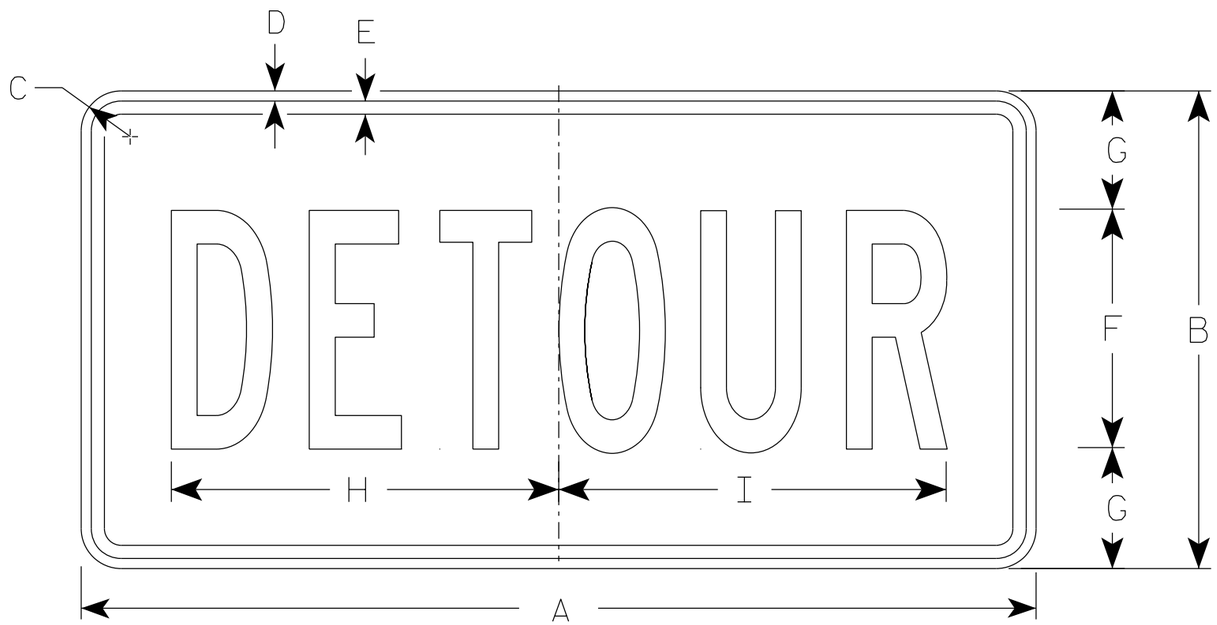
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/8/2022 PLATE NO. M1-6.11

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 502	E

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - B
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.



M4-8

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	12	1 1/2	3/8	3/8	6	3	10	10 1/4																		2.0
2M	24	12	1 1/2	3/8	3/8	6	3	10	10 1/4																		2.0
3	36	18	1 1/2	3/8	1/2	9	4 1/2	14 5/8	14 1/2																		4.5
4	36	18	1 1/2	3/8	1/2	9	4 1/2	14 5/8	14 1/2																		4.5
5	36	18	1 1/2	3/8	1/2	9	4 1/2	14 5/8	14 1/2																		4.5

STANDARD SIGN
M4-8

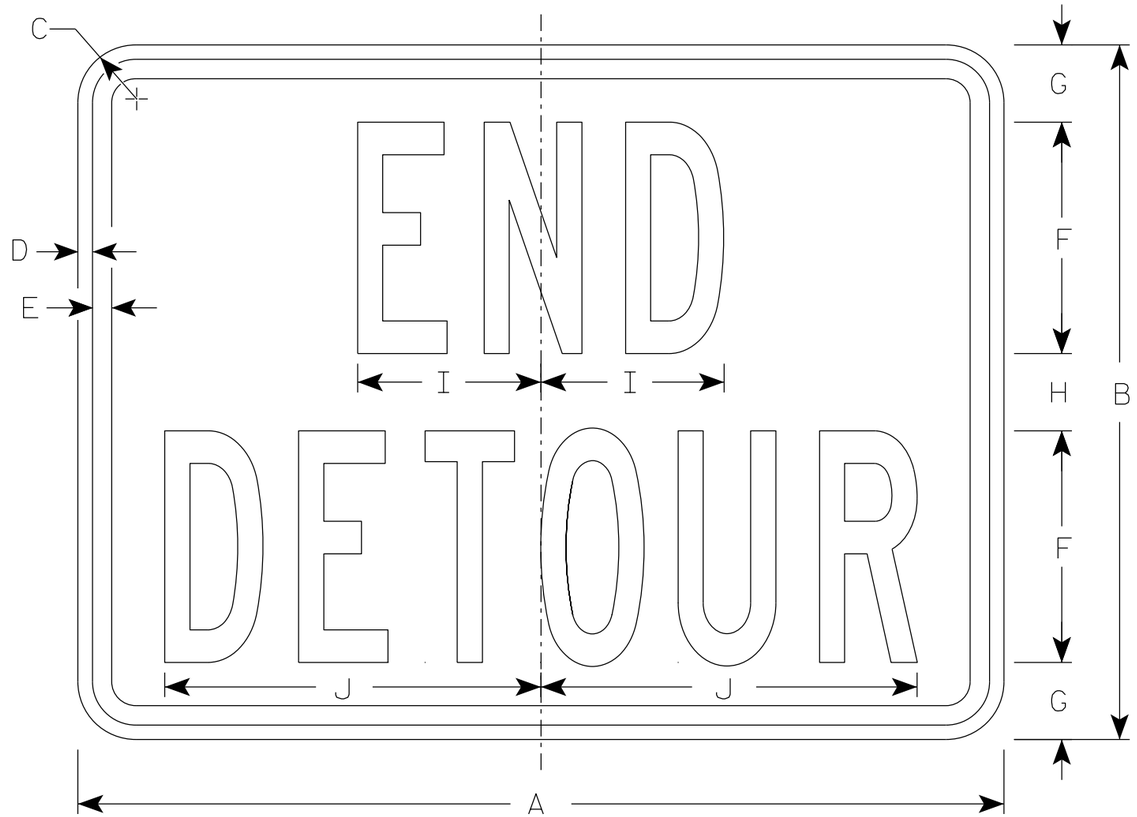
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/9/2023 PLATE NO. M4-8.4

PROJECT NO:	HWY:	COUNTY:		SHEET NO: E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M48.dgn PLOT DATE : 9-FEB 2023 7:38 PLOT BY : dotc4c PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42



M4-8A

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - B
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																											
2	24	18	1 ½	⅜	½	6	2	2	4 ¾	9 ¾																	3.0
2M	24	18	1 ½	⅜	½	6	2	2	4 ¾	9 ¾																	3.0
3	30	24	1 ½	⅜	½	8	2 ½	3	6 ¾	13																	5.0
4	30	24	1 ½	⅜	½	8	2 ½	3	6 ¾	13																	5.0
5	30	24	1 ½	⅜	½	8	2 ½	3	6 ¾	13																	5.0

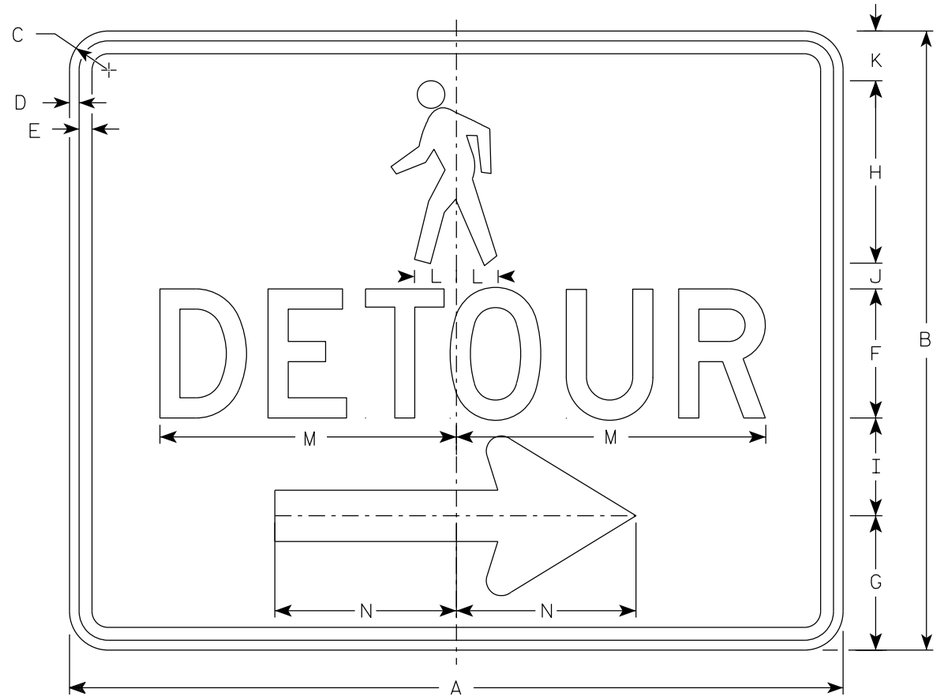
STANDARD SIGN
M4-8A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/9/2023 PLATE NO. M4-8A.4

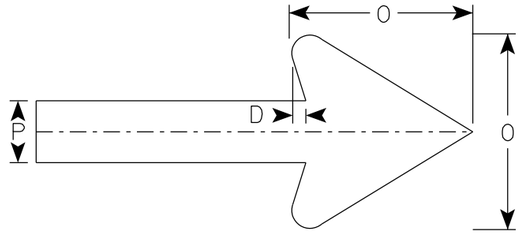
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 504 | E



M4-9BR

NOTES

1. Sign is Type II-Type F Reflective
2. Color:
   Background - Orange
   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. M4-9BL is the same as M4-9BR except the arrow is reversed.



Arrow Detail

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	24	1 1/2	3/8	1/2	5	5 1/4	7 1/8	3 3/4	1	1 1/8	1 5/8	11 3/4	7	6	2											5.0
2M	30	24	1 1/2	3/8	1/2	5	5 1/4	7 1/8	3 3/4	1	1 1/8	1 5/8	11 3/4	7	6	2											5.0
3																											
4																											
5																											

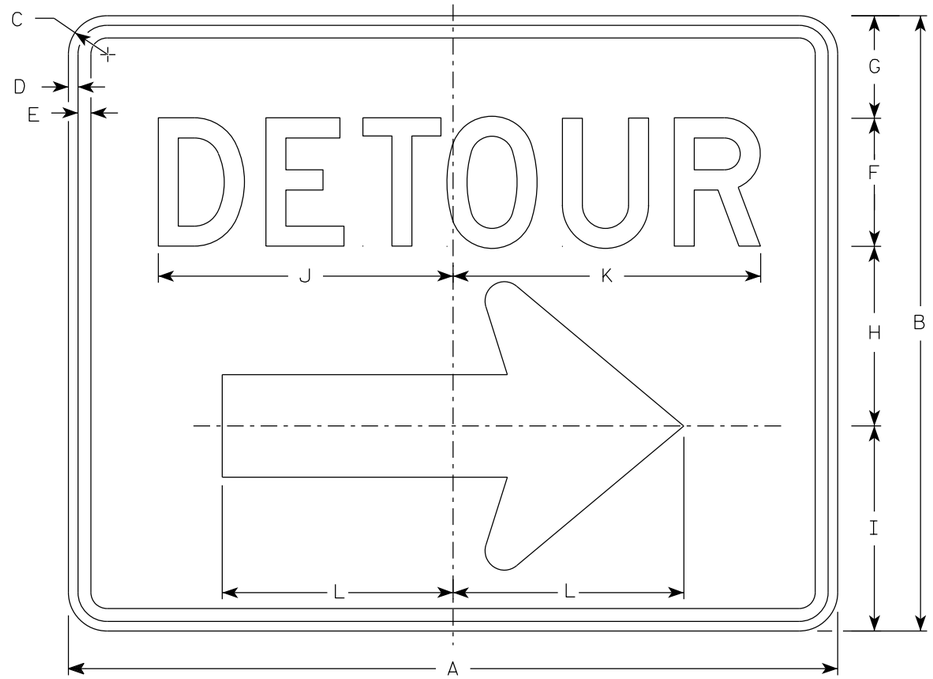
STANDARD SIGN
M4-9B L&R

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 2/9/2023 PLATE NO. M4-9B.4

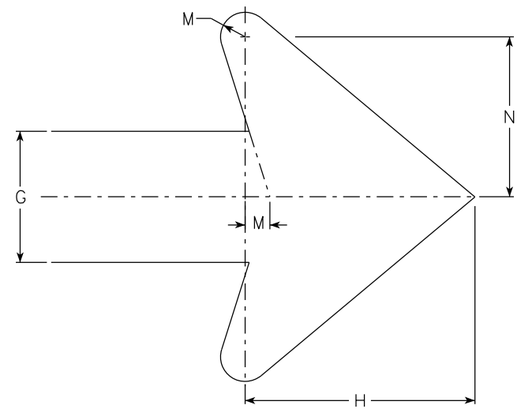
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 505 | E



M4-9R

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   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.
4. M4-9L is the same as M4-9R except the arrow is reversed.



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																											
2	30	24	1 1/2	3/8	1/2	5	4	7	8	11 1/2	12	9	3/4	4 7/8													5.00
2M	30	24	1 1/2	3/8	1/2	5	4	7	8	11 1/2	12	9	3/4	4 7/8													5.00
3	30	24	1 1/2	3/8	1/2	5	4	7	8	11 1/2	12	9	3/4	4 7/8													5.00
4	48	36	1 7/8	1/2	5/8	8	6	10 1/2	11 5/8	20 5/8	20 1/2	13 1/4	1 1/8	6 7/8													12.0
5	48	36	1 7/8	1/2	5/8	8	6	10 1/2	11 5/8	20 5/8	20 1/2	13 1/4	1 1/8	6 7/8													12.0

STANDARD SIGN
M4-9 R & L

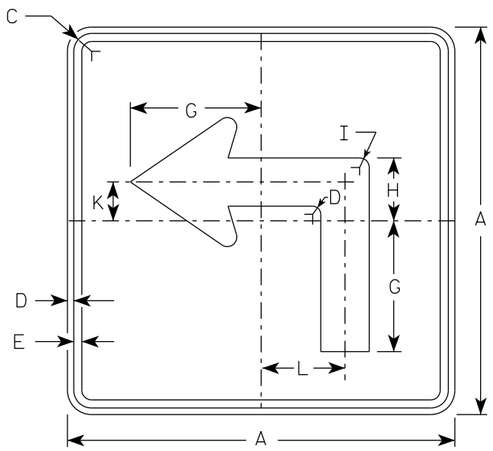
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

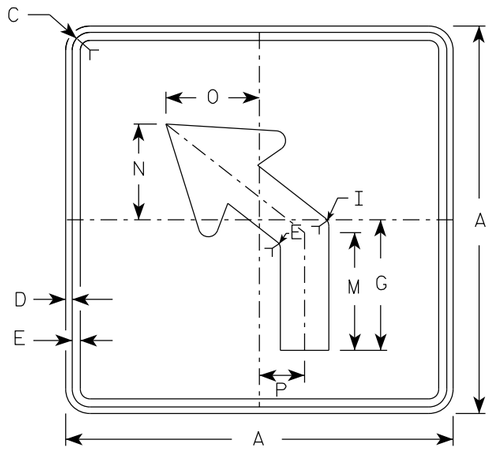
DATE 2/9/2023 PLATE NO. M4-9R.6

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

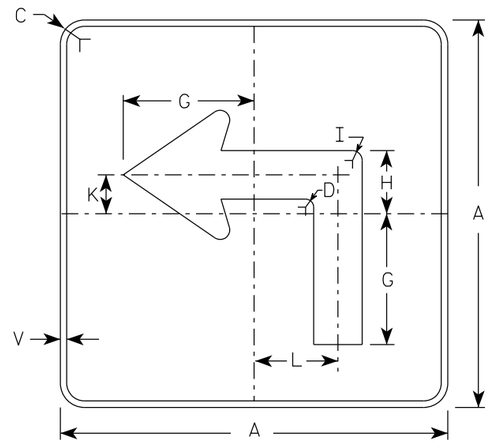
FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M49R.dgn PLOT DATE : 21-MARCH 2023 1:40 PLOT BY : dotc4c PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42



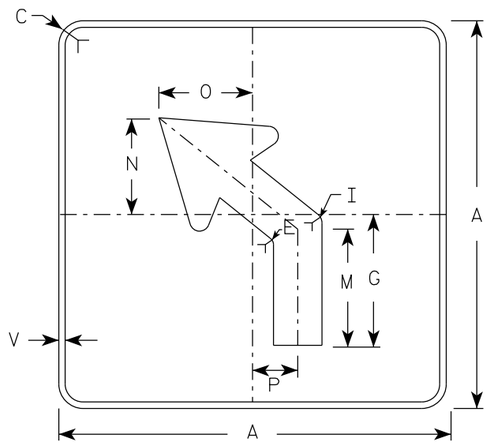
M5-1L
MM5-1L
MO5-1L
MP5-1L



M5-2L
MM5-2L
MO5-2L
MP5-2L



MB5-1L
MK5-1L
MN5-1L
MR5-1L

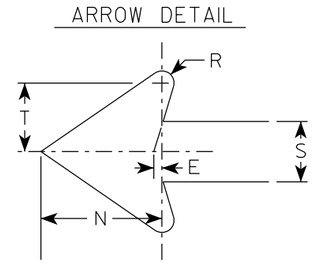


MB5-2L
MK5-2L
MN5-2L
MR5-2L

NOTES

1. Signs are Type II - Type H reflective except as shown
2. Color:
   Background - See note 4
   Message - See note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. M5-1 and M5-2 Background - White
   Message - Black
   MB5-1 and MB5-2 Background - Blue
   Message - White
   MK5-1 and MK5-2 Background - Green
   Message - White
   MM5-1 and MM5-2 Background - White
   Message - Green
   MN5-1 and MN5-2 Background - Brown
   Message - White
   MO5-1 and MO5-2 Background - Orange - Type F Reflective
   Message - Black
   MP5-1 and MP5-2 Background - White
   Message - Blue
   MR5-1 and MR5-2 Background - Brown
   Message - Yellow
5. M5-1R same as M5-1L except arrow points right.
6. M5-2R same as M5-2L except arrow tilts right.

ARROW DETAIL



SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	21		1 1/2	3/8	3/8		7	3 3/8	5/8		2 1/8	4 1/2	6 3/8	5 1/4	5	2 1/2		1/2	2 5/8	3		1/2					3.06
2M	21		1 1/2	3/8	3/8		7	3 3/8	5/8		2 1/8	4 1/2	6 3/8	5 1/4	5	2 1/2		1/2	2 5/8	3		1/2					3.06
3	30		1 7/8	1/2	5/8		10 1/8	4 7/8	7/8		3	6 1/2	9 1/8	7 1/2	7 1/4	3 1/2		3/4	3 3/4	4 1/4		1/2					6.25
4	30		1 7/8	1/2	5/8		10 1/8	4 7/8	7/8		3	6 1/2	9 1/8	7 1/2	7 1/4	3 1/2		3/4	3 3/4	4 1/4		1/2					6.25
5	30		1 7/8	1/2	5/8		10 1/8	4 7/8	7/8		3	6 1/2	9 1/8	7 1/2	7 1/4	3 1/2		3/4	3 3/4	4 1/4		1/2					6.25

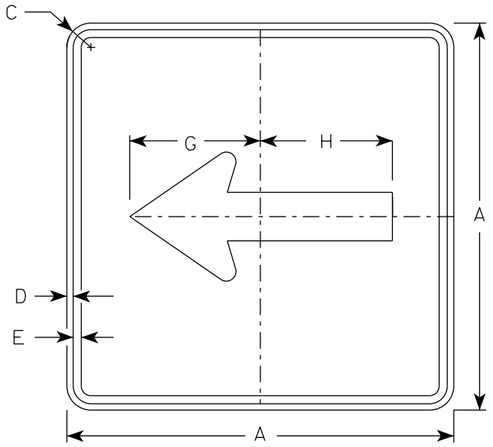
STANDARD SIGN
M5-1 & M5-2

WISCONSIN DEPT OF TRANSPORTATION

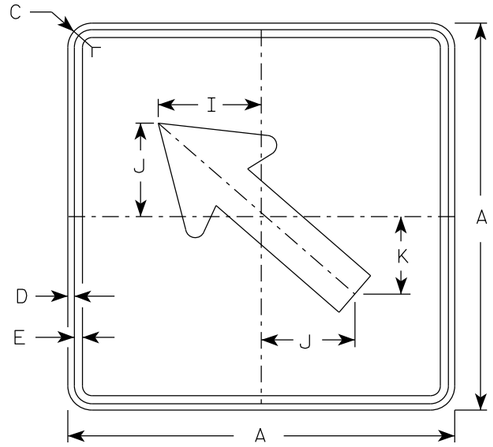
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/13/2023 PLATE NO. M5-1.15

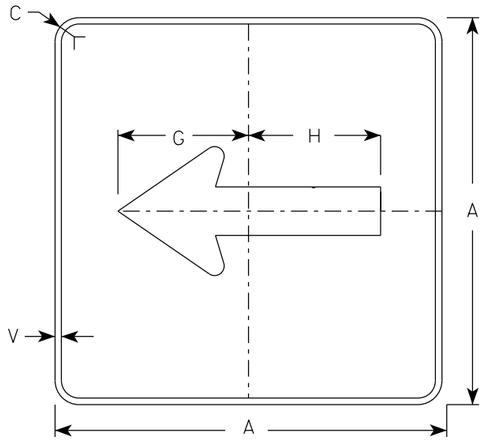
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 507 | E



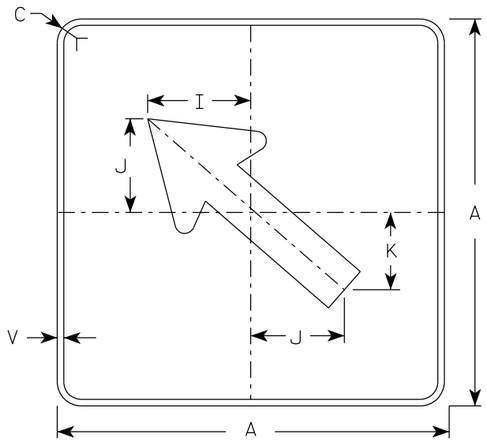
M6-1
MM6-1
MO6-1
MP6-1



M6-2
MM6-2
MO6-2
MP6-2



MB6-1
MK6-1
MN6-1
MR6-1

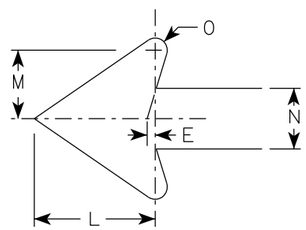


MB6-2
MK6-2
MN6-2
MR6-2

NOTES

1. Signs are Type II - Type H Reflective except as Shown
2. Color:
   Background - See note 4
   Message - See note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. M6-1 and M6-2 Background - White
   Message - Black
   MB6-1 and MB6-2 Background - Blue
   Message - White
   MK6-1 and MK6-2 Background - Green
   Message - White
   MM6-1 and MM6-2 Background - White
   Message - Green
   MN6-1 and MN6-2 Background - Brown
   Message - White
   MO6-1 and MO6-2 Background - Orange - Type F Reflective
   Message - Black
   MP6-1 and MP6-2 Background - White
   Message - Blue
   MR6-1 and MR6-2 Background - Brown
   Message - Yellow

ARROW DETAIL



SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	21		1 1/2	3/8	3/8		7 1/2	7 1/8	5 5/8	5	4 1/4	5 1/4	3	2 5/8	1/2							1/2					3.06
2M	21		1 1/2	3/8	3/8		7 1/2	7 1/8	5 5/8	5	4 1/4	5 1/4	3	2 5/8	1/2							1/2					3.06
3	30		1 7/8	1/2	5/8		10 3/4	10 1/4	8	7 1/4	6	7 1/2	4 1/4	3 3/4	3/4							1/2					6.25
4	30		1 7/8	1/2	5/8		10 3/4	10 1/4	8	7 1/4	6	7 1/2	4 1/4	3 3/4	3/4							1/2					6.25
5	30		1 7/8	1/2	5/8		10 3/4	10 1/4	8	7 1/4	6	7 1/2	4 1/4	3 3/4	3/4							1/2					6.25

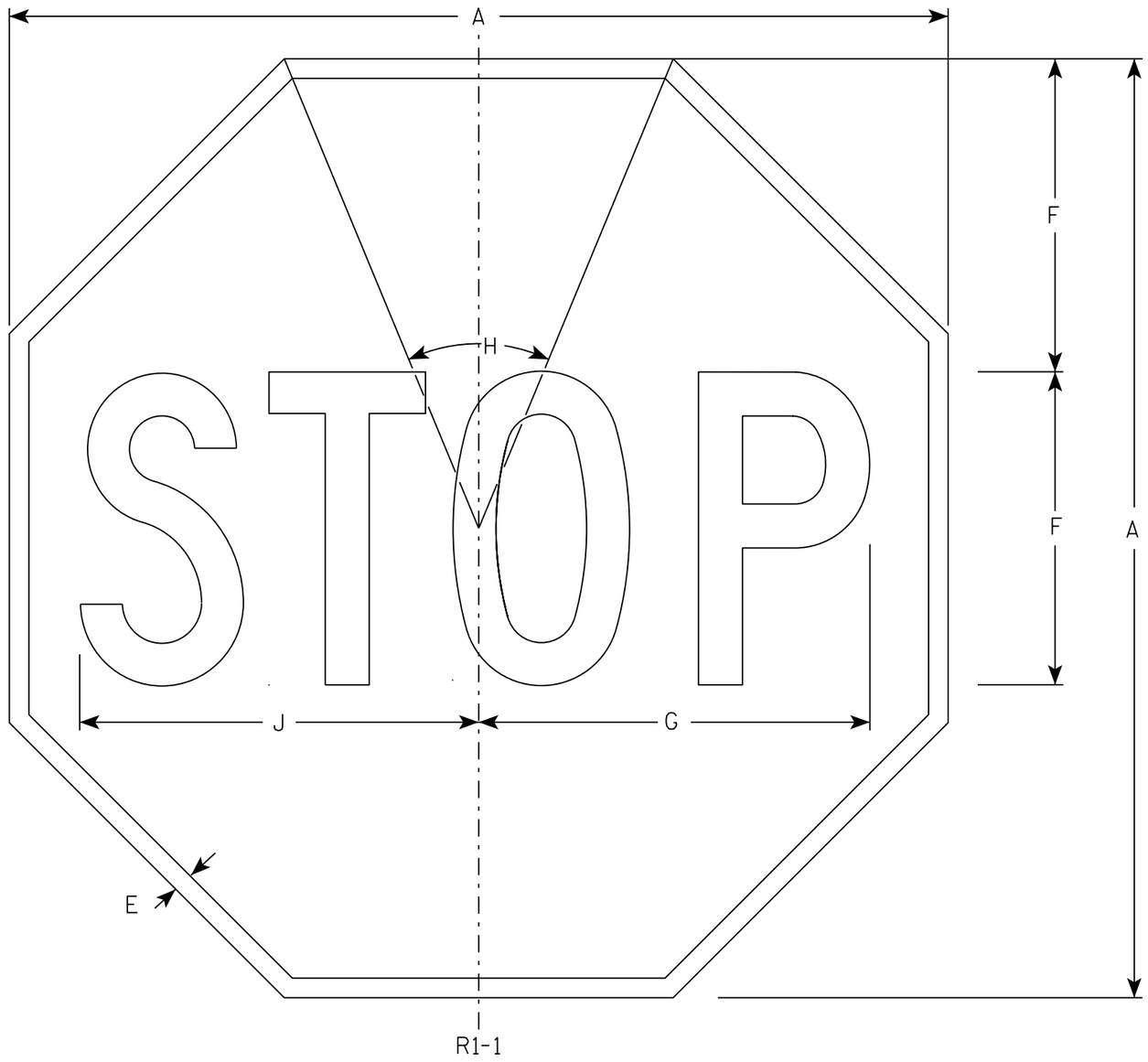
STANDARD SIGN
M6-1 & M6-2
SERIES

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 2/13/2023 PLATE NO. M6-1.16

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 508 | 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

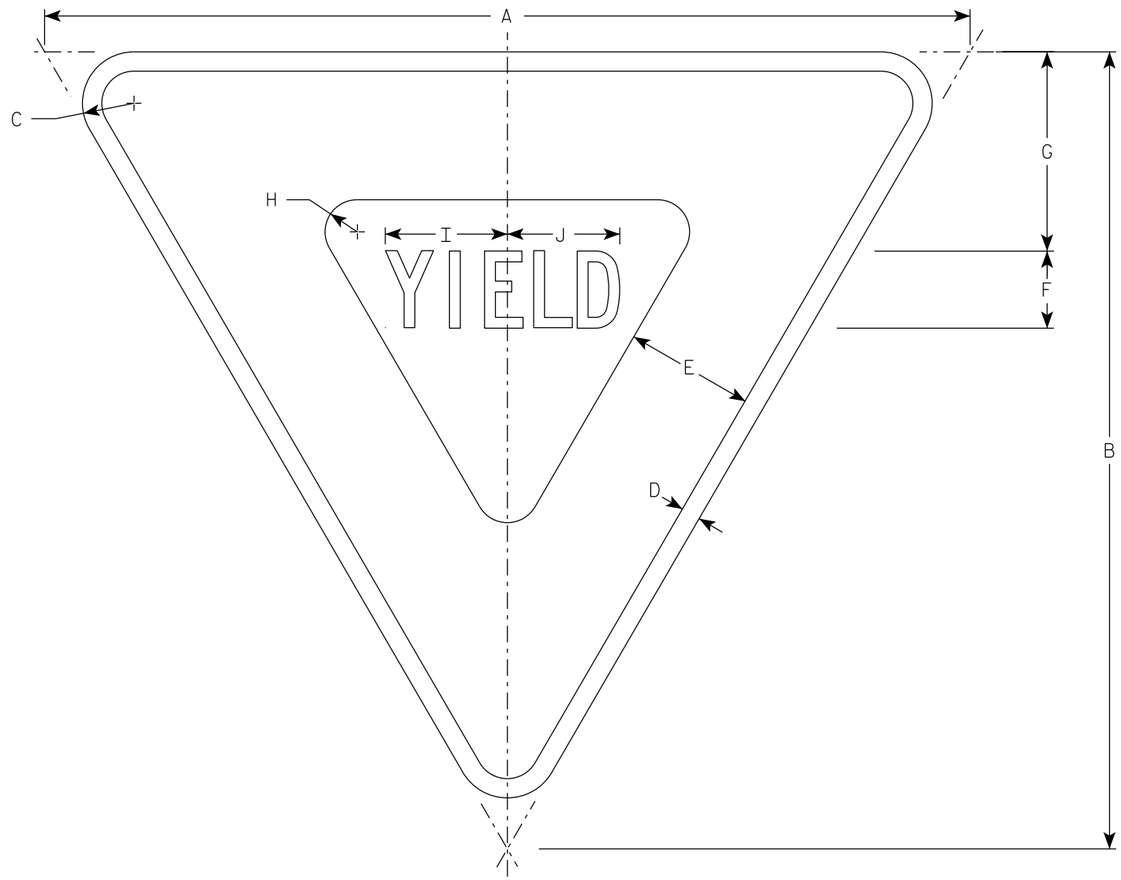
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch

for State Traffic Engineer

DATE 11/12/15 PLATE NO. R1-1.13

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 509	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

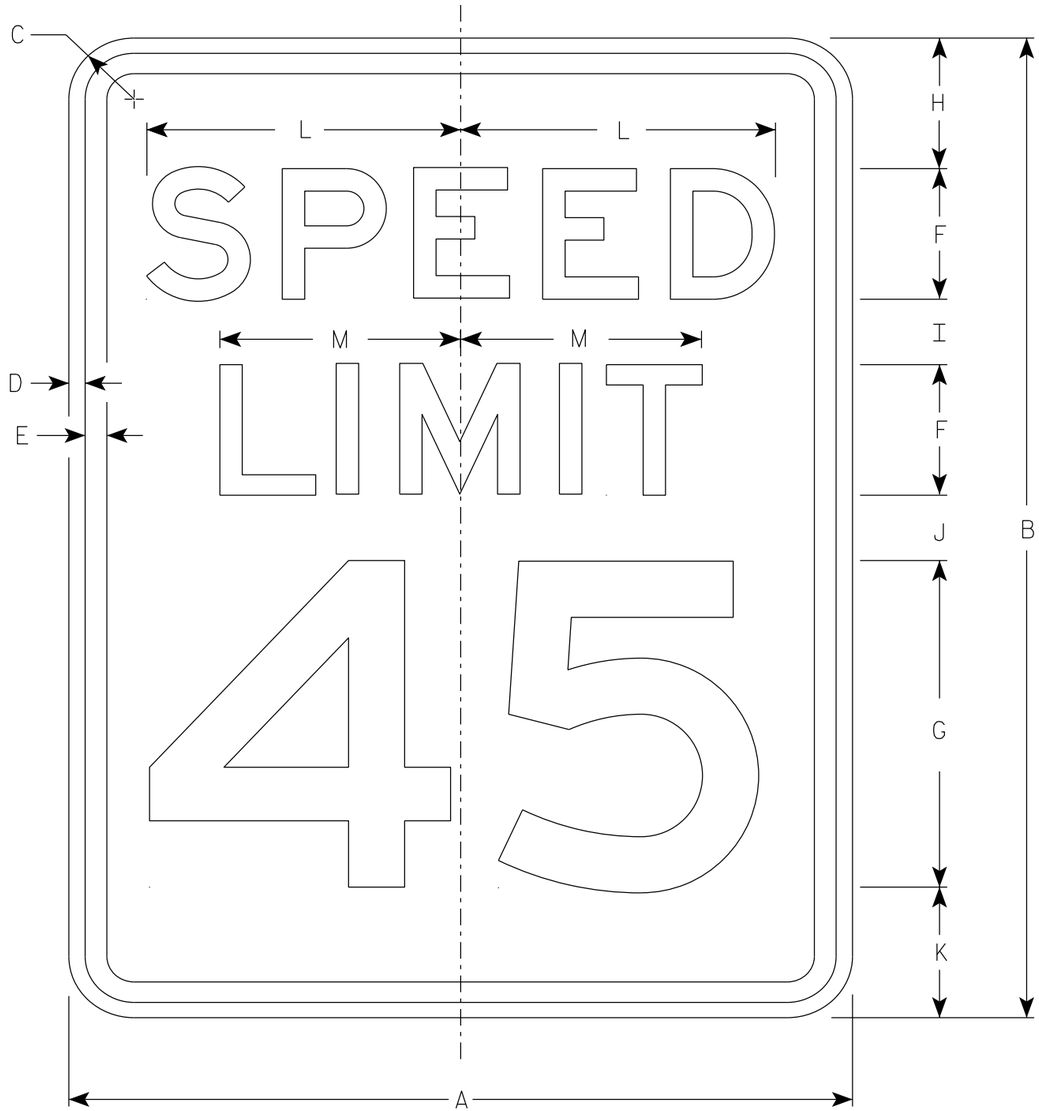
STANDARD SIGN
R1-2

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: 510	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

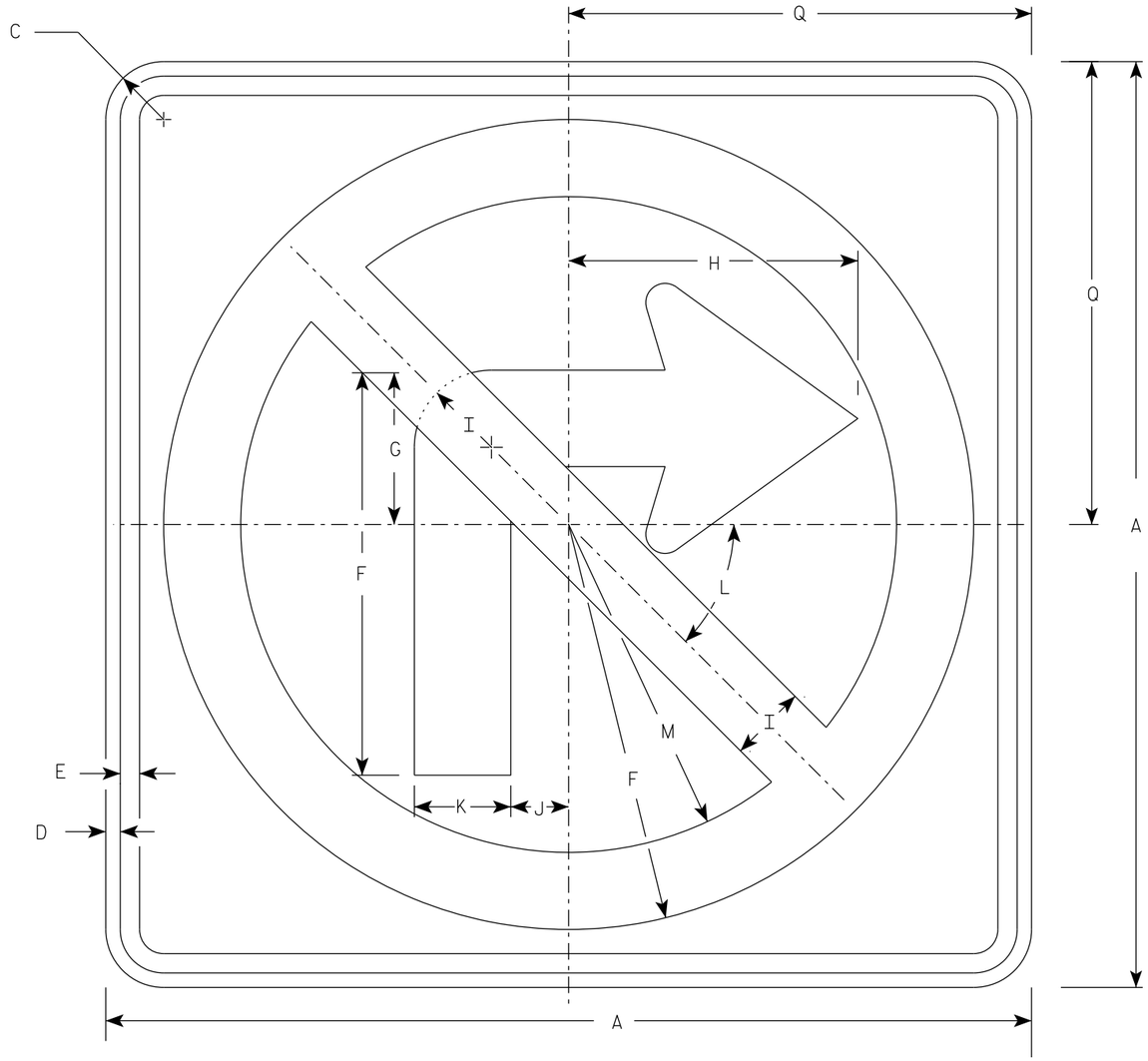
STANDARD SIGN
R2-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/1/23 PLATE NO. R2-1.14

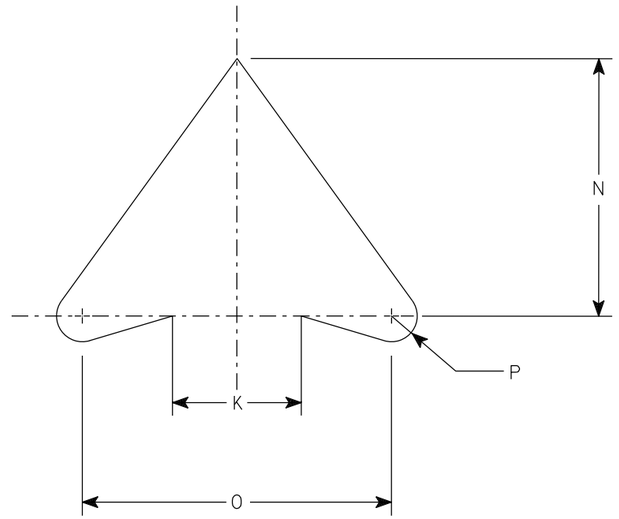
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 511 | E



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

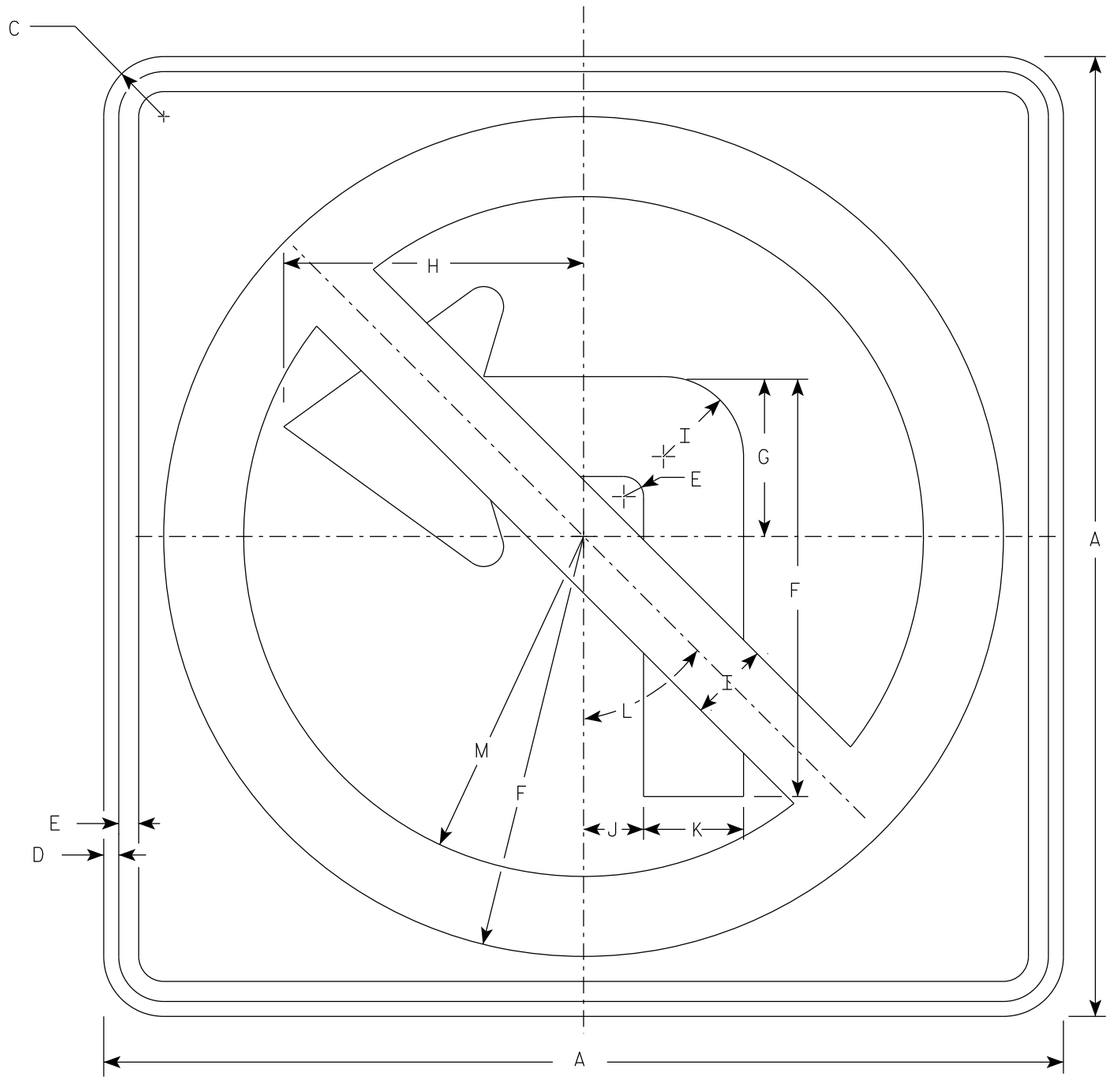
STANDARD SIGN
R3-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/2/23 PLATE NO. R3-1.6

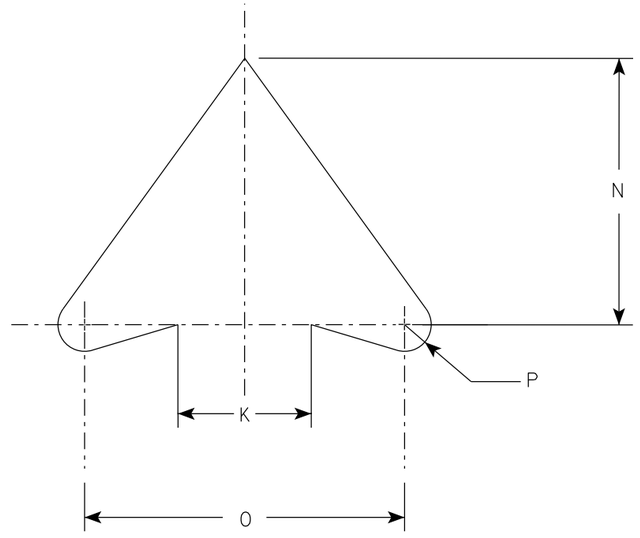
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 512 | E



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 1/2	3/8	1/2	10 1/2	4	7 1/2	2	1 1/2	2 1/2	45°	8 1/2	5	6	1/2											4.0
2S	24		1 1/2	3/8	1/2	10 1/2	4	7 1/2	2	1 1/2	2 1/2	45°	8 1/2	5	6	1/2											4.0
2M	36		2 1/4	5/8	3/4	15 3/4	6	11 1/4	3	2 1/4	3 3/4	45°	12 3/4	7 1/2	9	3/4											9.0
3	36		2 1/4	5/8	3/4	15 3/4	6	11 1/4	3	2 1/4	3 3/4	45°	12 3/4	7 1/2	9	3/4											9.0
4	36		2 1/4	5/8	3/4	15 3/4	6	11 1/4	3	2 1/4	3 3/4	45°	12 3/4	7 1/2	9	3/4											9.0
5	48		2 1/4	3/4	1	21	8	15	4	3	5	45°	17	10	12	1											16.0

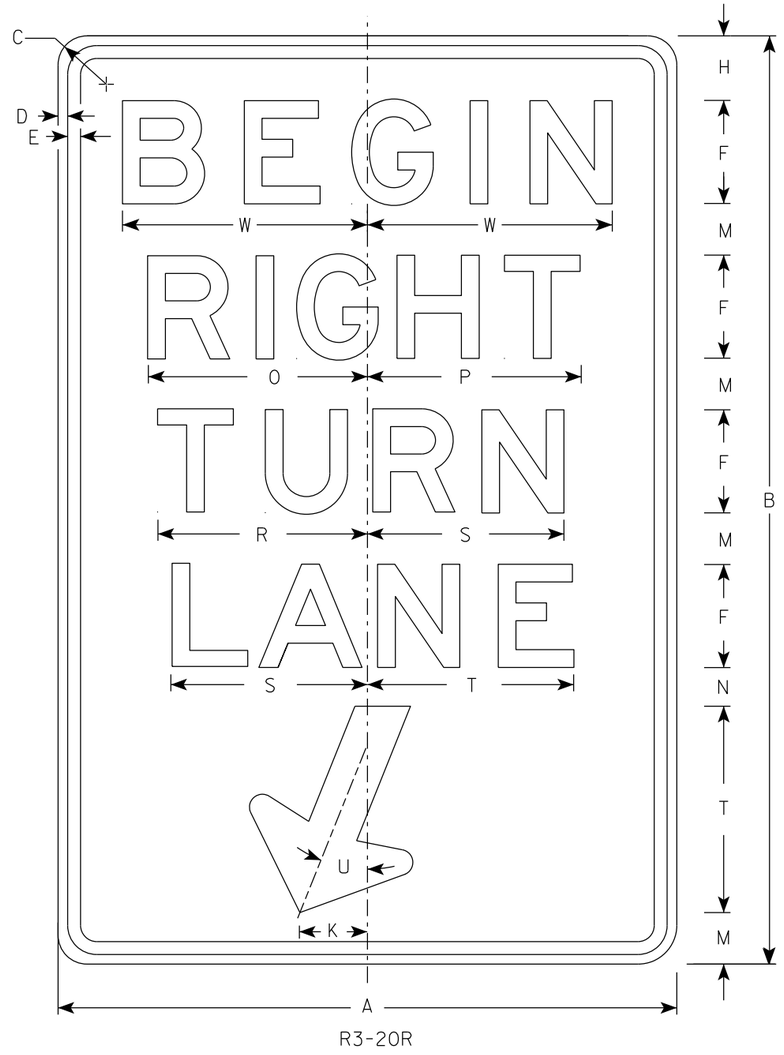
STANDARD SIGN
R3-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

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

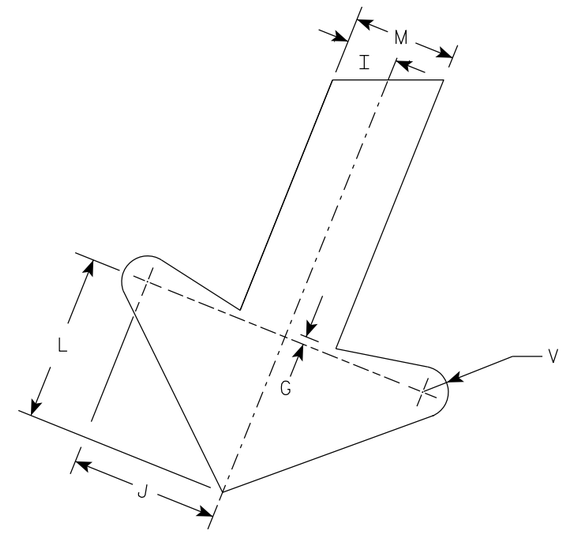
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 513 | E



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

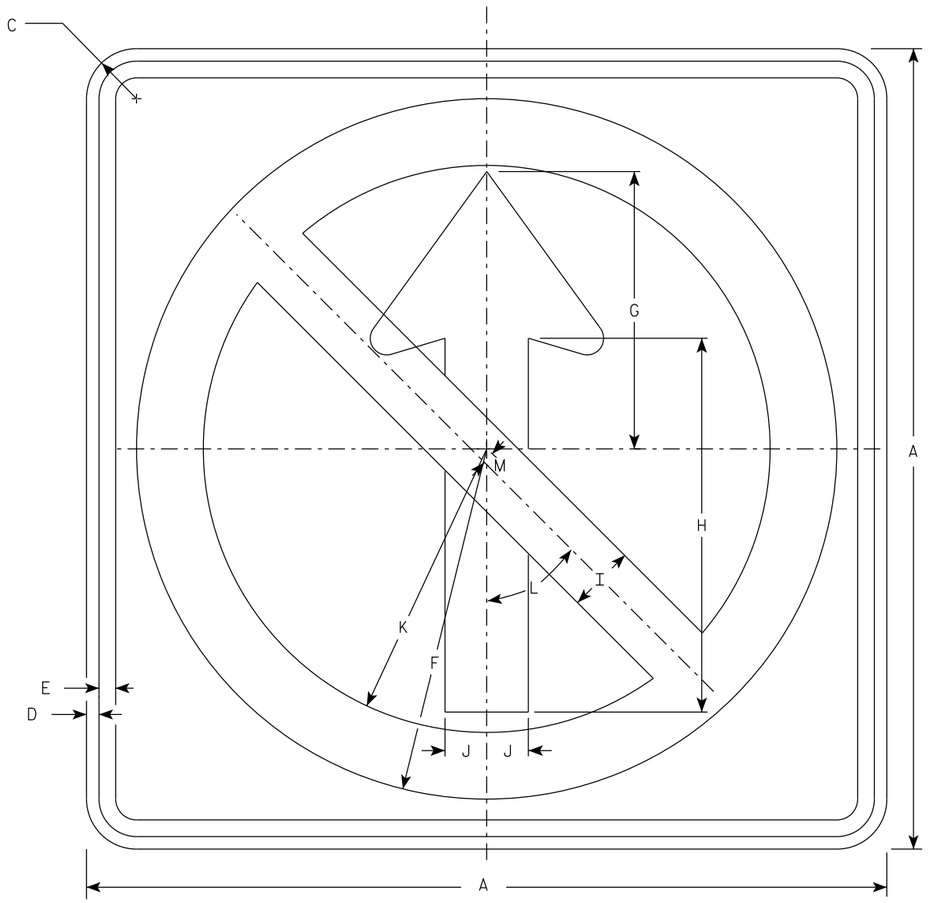
APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 2/23/23 PLATE NO. R3-20R.7

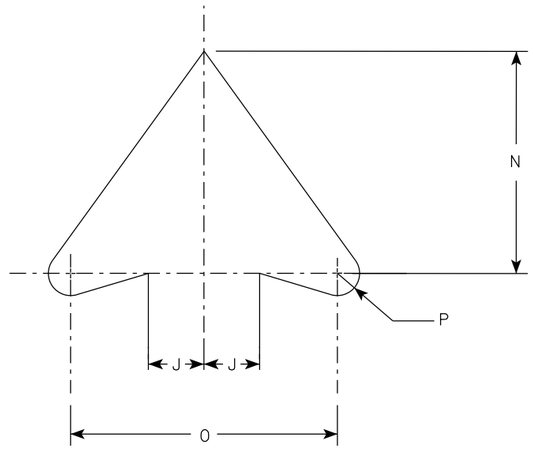
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 514 | E

NOTES

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



R3-27



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		1 1/2	3/8	1/2	10 1/2	8 3/8	11 1/4	2	1 1/4	8 1/2	45°	3/8	5	6	1/2											4.0
2M	36		2 1/4	5/8	3/4	15 3/4	12 1/2	16 3/4	3	1 7/8	12 3/4	45°	1/2	7 1/2	9	3/4											9.0
3	36		2 1/4	5/8	3/4	15 3/4	12 1/2	16 3/4	3	1 7/8	12 3/4	45°	1/2	7 1/2	9	3/4											9.0
4	48		2 1/4	3/4	1	21	16 5/8	22 3/8	4	2 1/2	17	45°	3/4	10	12	1											16.0
5																											

STANDARD SIGN
R3-27

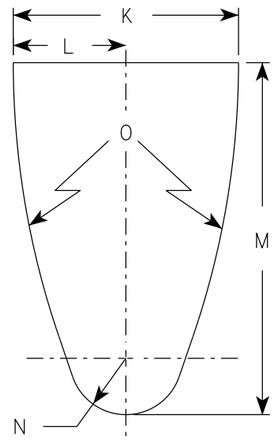
WISCONSIN DEPT OF TRANSPORTATION

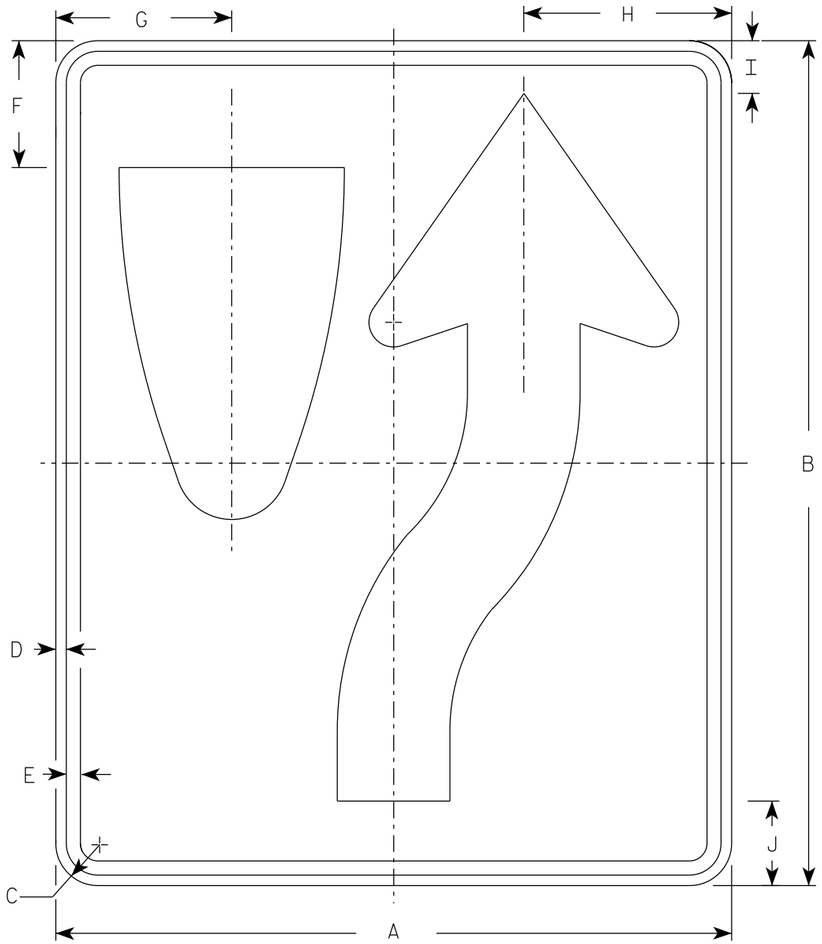
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/23/23 PLATE NO. R3-27.2

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 515	E

DIVIDER DETAIL



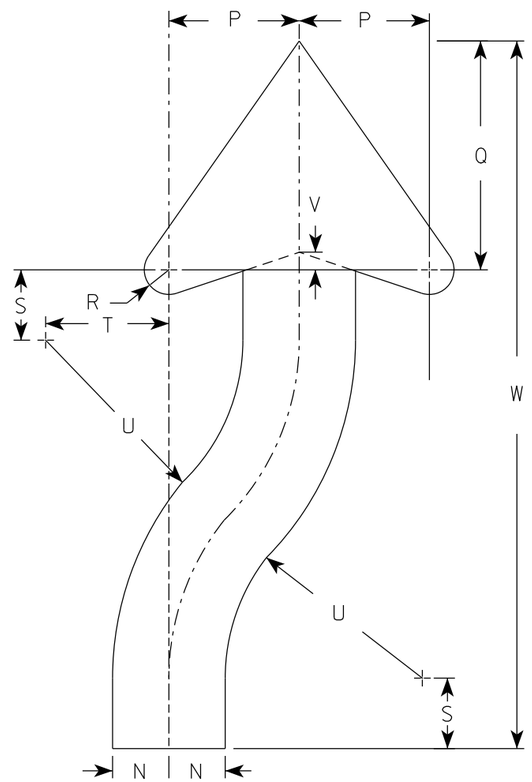


R4-7

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.

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

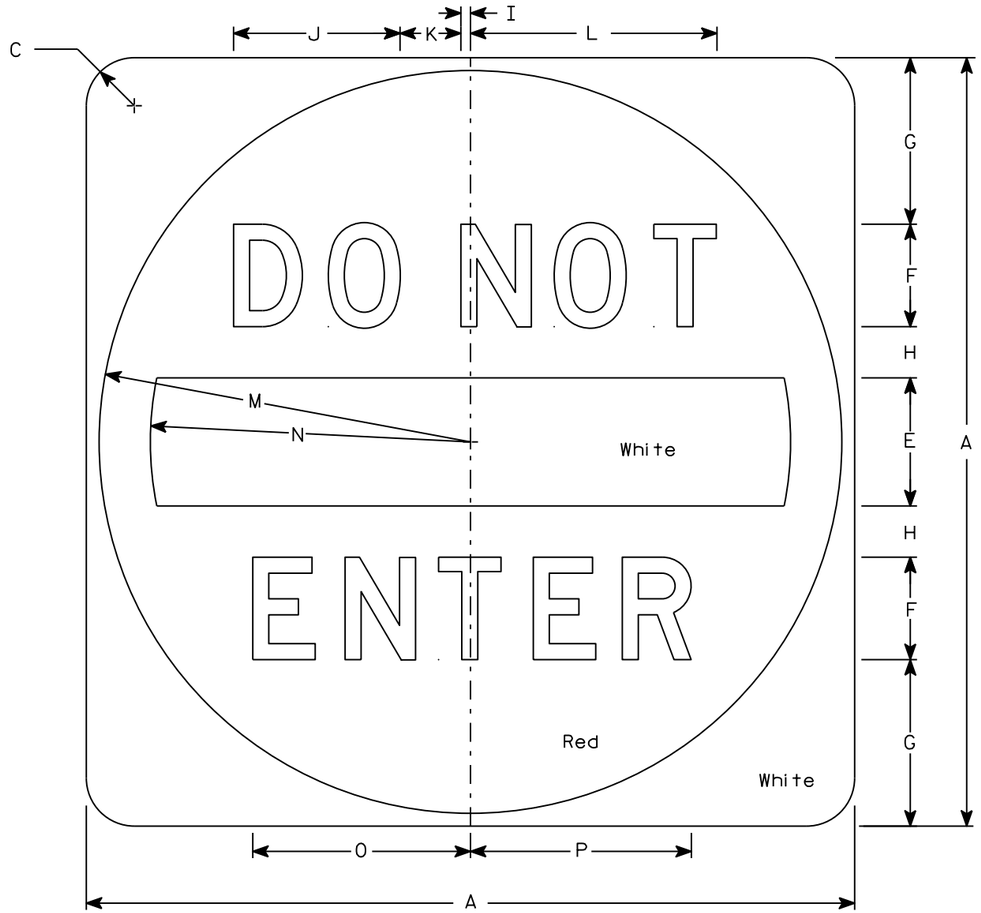
STANDARD SIGN
R4-7 & R4-8

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: 516	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

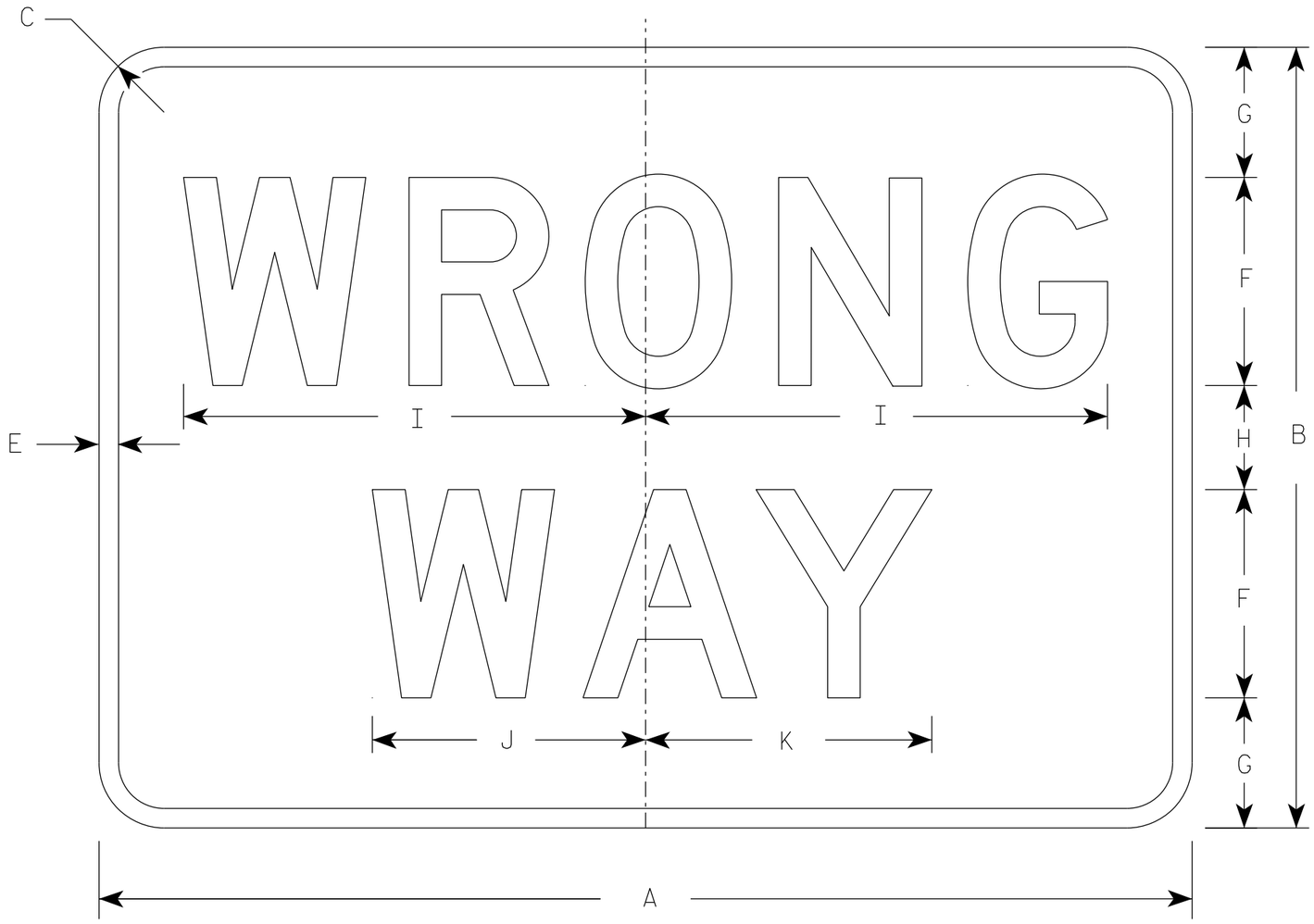
STANDARD SIGN
R5-1

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: 517 | 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

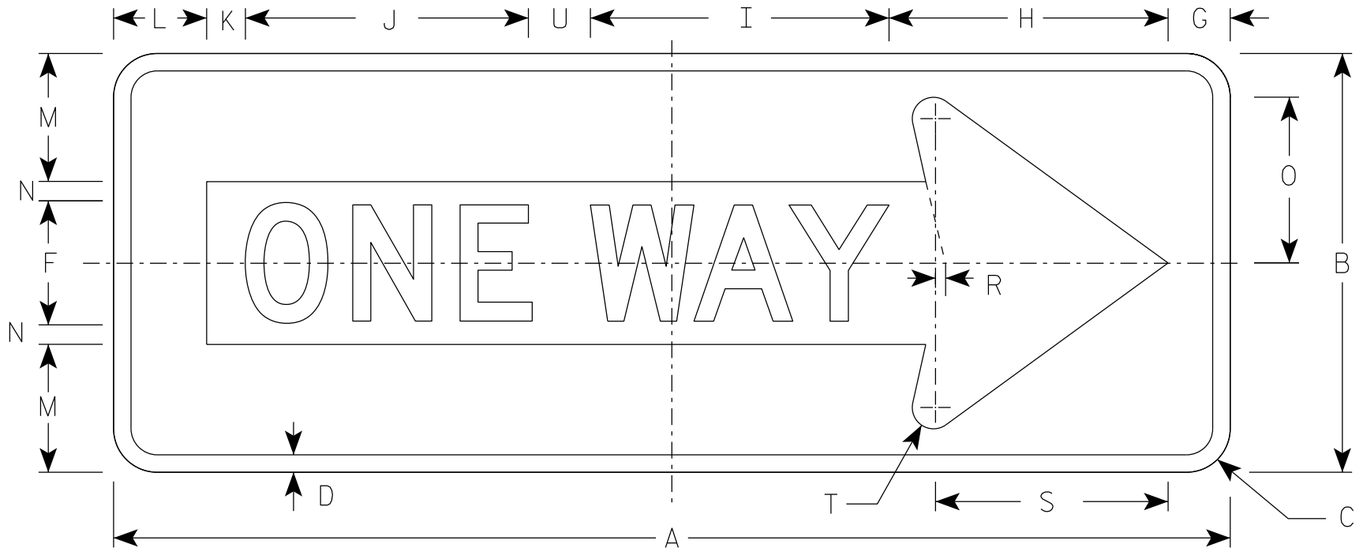
STANDARD SIGN
R5-1A

WISCONSIN DEPT OF TRANSPORTATION

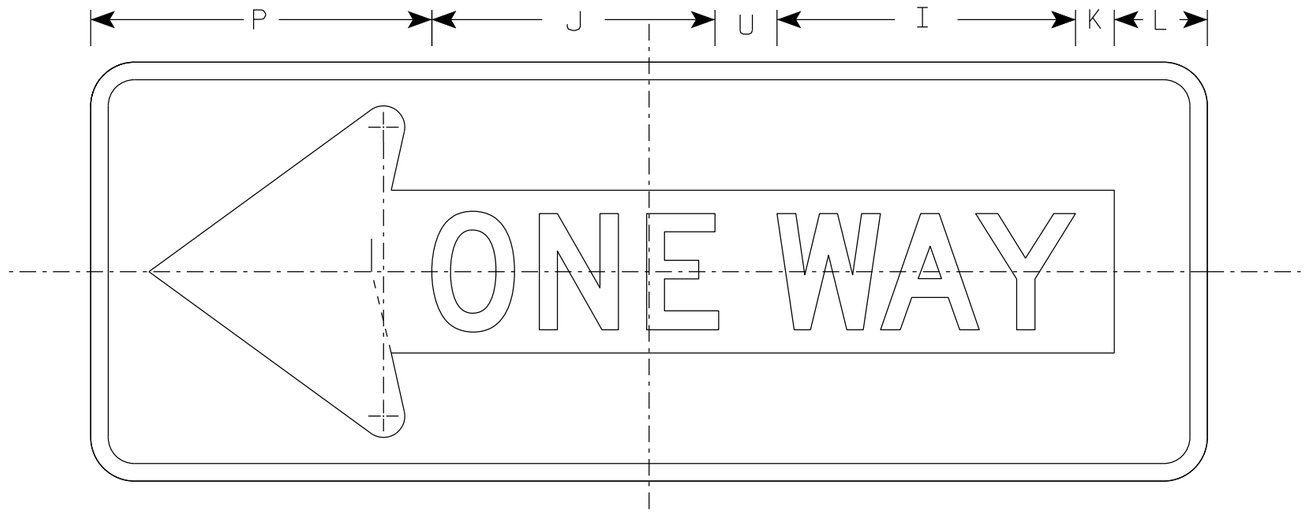
APPROVED Matthew R Rauch
for State Traffic Engineer

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

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 518 | 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 1/2	1/2		4	2	7 1/2	9 5/8	9 1/8	1 1/4	3	3 3/8	5/8	4 3/8	11		3/8	7 1/2	3/4	2						3.0
2M	48	18	1 7/8	3/4		5	2 1/2	11	13	12 1/4	2 3/4	3 1/2	5 1/2	1	7 1/8	13 1/2		1/2	10 1/8	7/8	3						6.0
3	48	18	1 7/8	3/4		5	2 1/2	11	13	12 1/4	2 3/4	3 1/2	5 1/2	1	7 1/8	13 1/2		1/2	10 1/8	7/8	3						6.0
4	48	18	1 7/8	3/4		5	2 1/2	11	13	12 1/4	2 3/4	3 1/2	5 1/2	1	7 1/8	13 1/2		1/2	10 1/8	7/8	3						6.0
5																											

STANDARD SIGN
R6-1 L&R

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

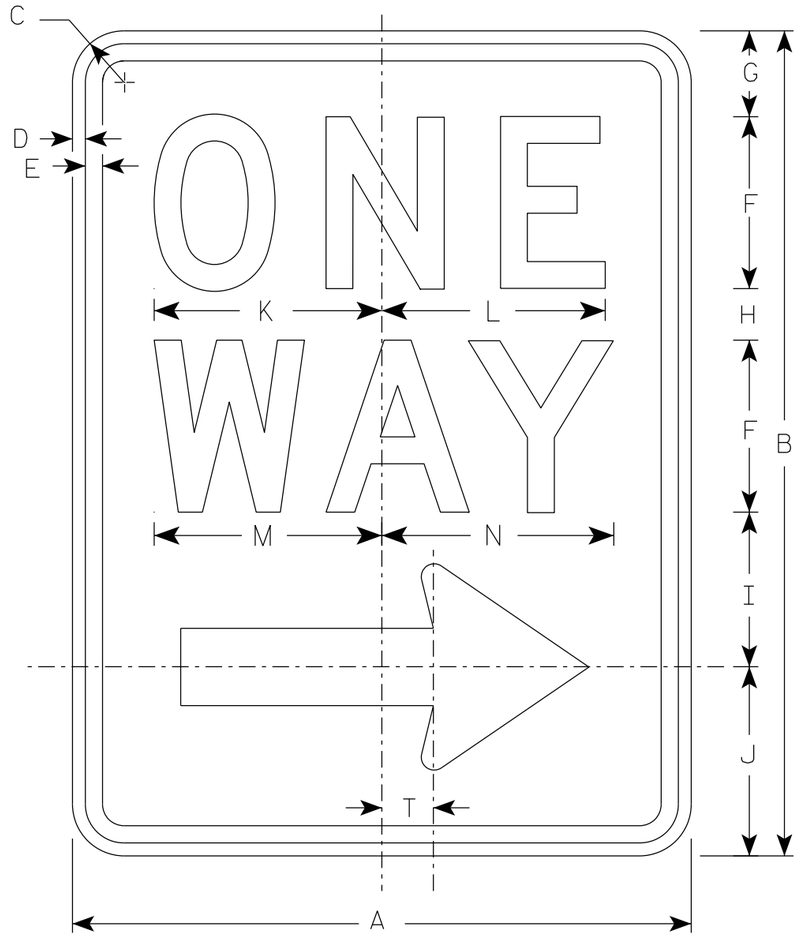
DATE 4/7/2025 PLATE NO. R6-1.5

PROJECT NO:

SHEET NO: 519 E

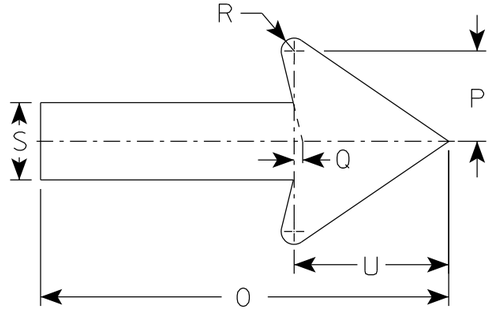
NOTES

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



R6-2R

Arrow Detail



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

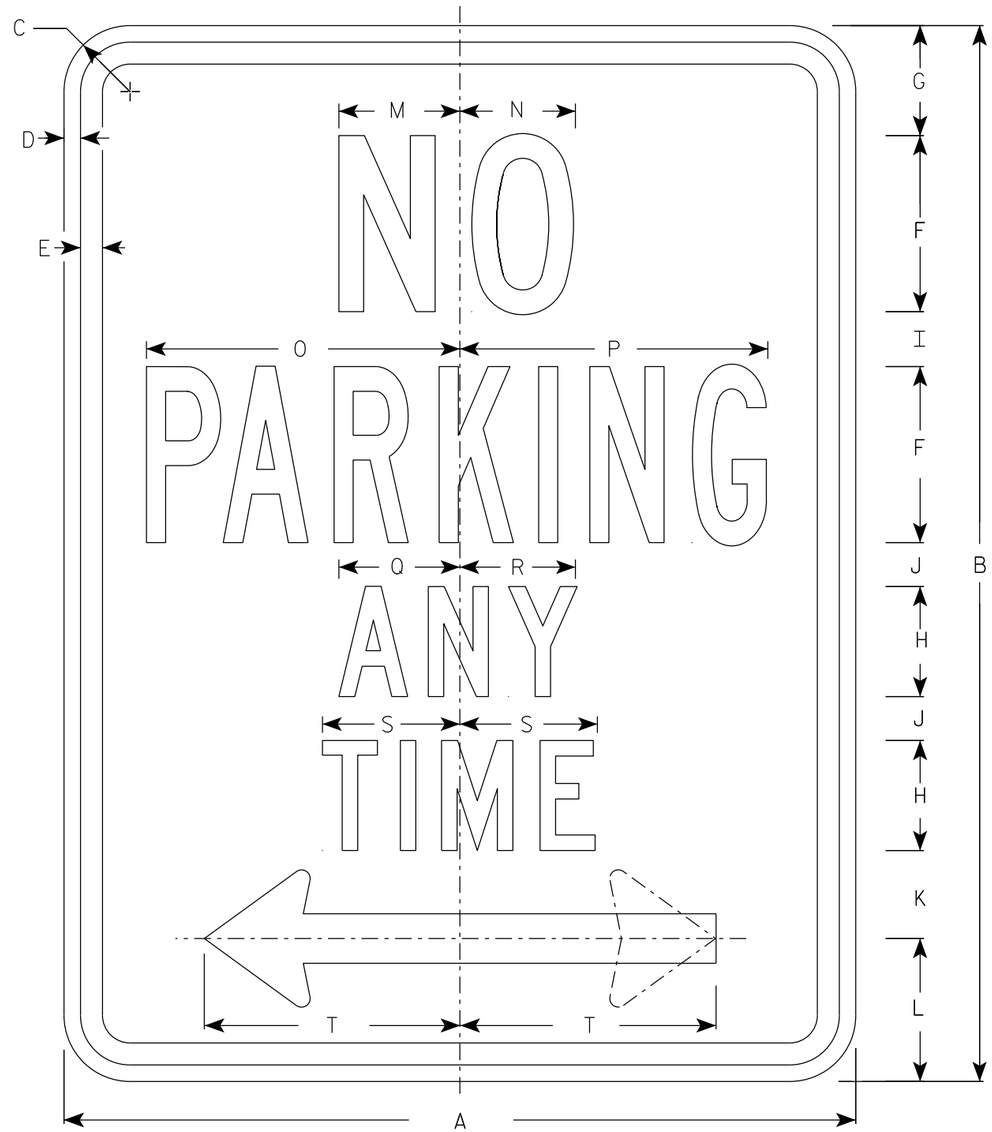
STANDARD SIGN
R6-2 R&L

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

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

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 520	E

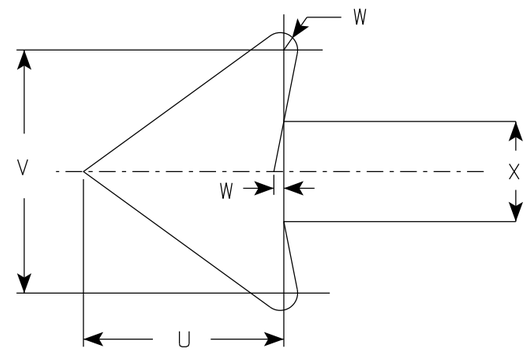


R7-1

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Red
3. Message Series - See Note 4
4. Lines 1, 3 and 4 are series C, line 2 is series B.
5. R7-1D (double arrow)
   R7-1L (left arrow)
   R7-1R (right arrow)

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	12	18	1 ½	⅜	⅜	3	1 ⅞	2	⅞	⅝	1 ½	2 ½	2	2	4 ⅞	4 ⅞	2 ¼	2 ⅛	2 ½	3 ⅞	1 ½	1 ¾	⅛	¾			1.5
2S	18	24	1 ½	⅜	½	4	2 ½	2 ½	1 ¼	1	2	3 ¼	2 ¾	2 ⅝	7 ⅛	7	2 ¾	2 ⅝	3 ⅛	5 ⅞	2 ¼	2 ⅝	¼	1 ⅛			3.0
2M	24	30	1 ½	⅜	½	5	3	3	2	1 ¼	2 ½	4	3 ¼	3 ⅜	9 ¼	9 ¼	3 ¼	3 ¼	3 ¾	7 ¾	3	3 ½	¼	1 ½			5.0
3	24	30	1 ½	⅜	½	5	3	3	2	1 ¼	2 ½	4	3 ¼	3 ⅜	9 ¼	9 ¼	3 ¼	3 ¼	3 ¾	7 ¾	3	3 ½	¼	1 ½			5.0
4																											
5																											

STANDARD SIGN
R7-1

WISCONSIN DEPT OF TRANSPORTATION

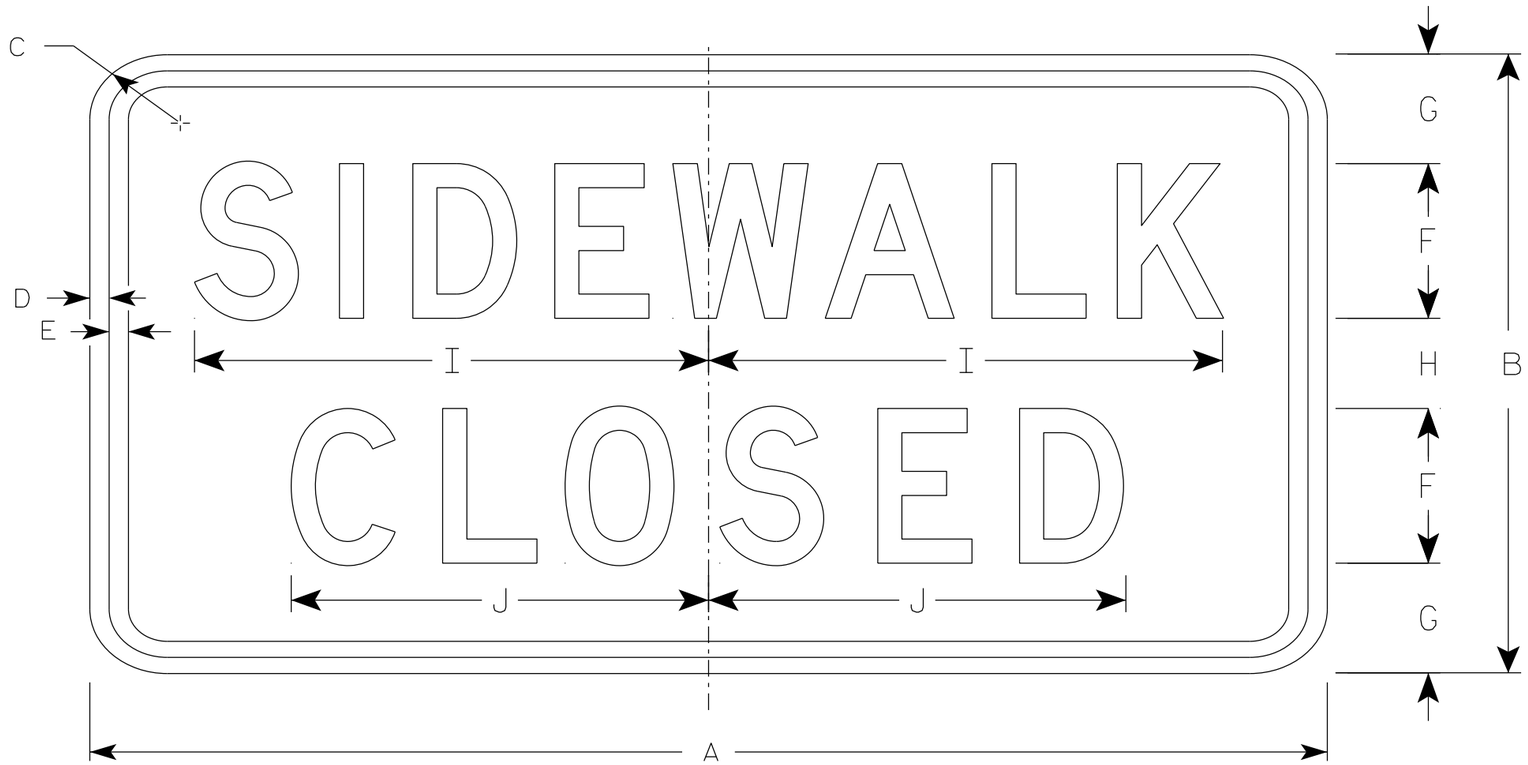
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 10/26/23 PLATE NO. R7-1.11

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 521 | E

FILE NAME : C:\Users\PROJECTS\tr_stdplate\R71.dgn PLOT DATE : 26-OCT 2023 2:48 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

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

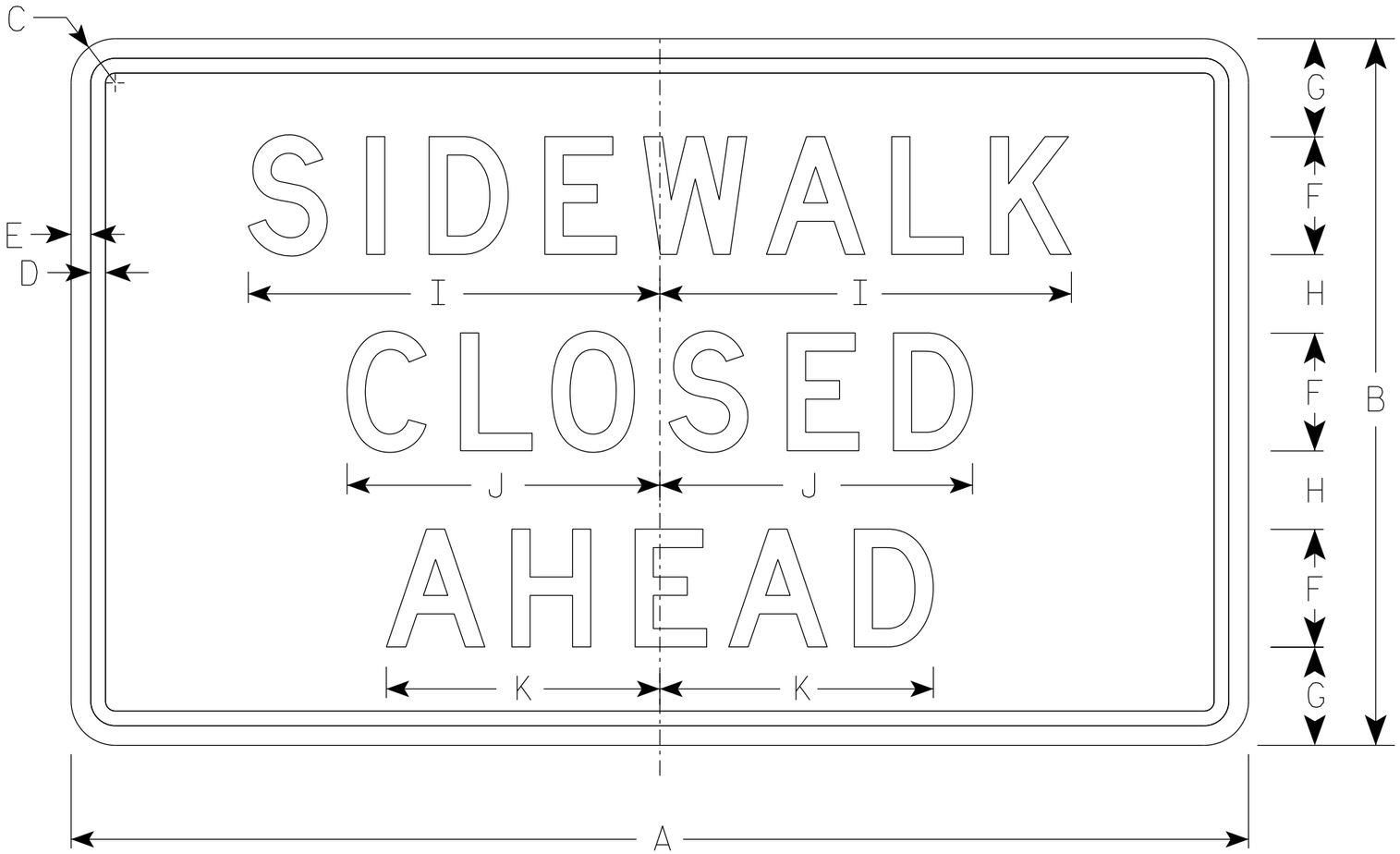
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/24/24 PLATE NO. R9-9.7

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 522 | E

NOTES

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



R9-9A

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	18	1 ½	⅜	½	3	2 ½	2	10 ½	8	7																3.75
2M	30	18	1 ½	⅜	½	3	2 ½	2	10 ½	8	7																3.75
3																											
4																											
5																											

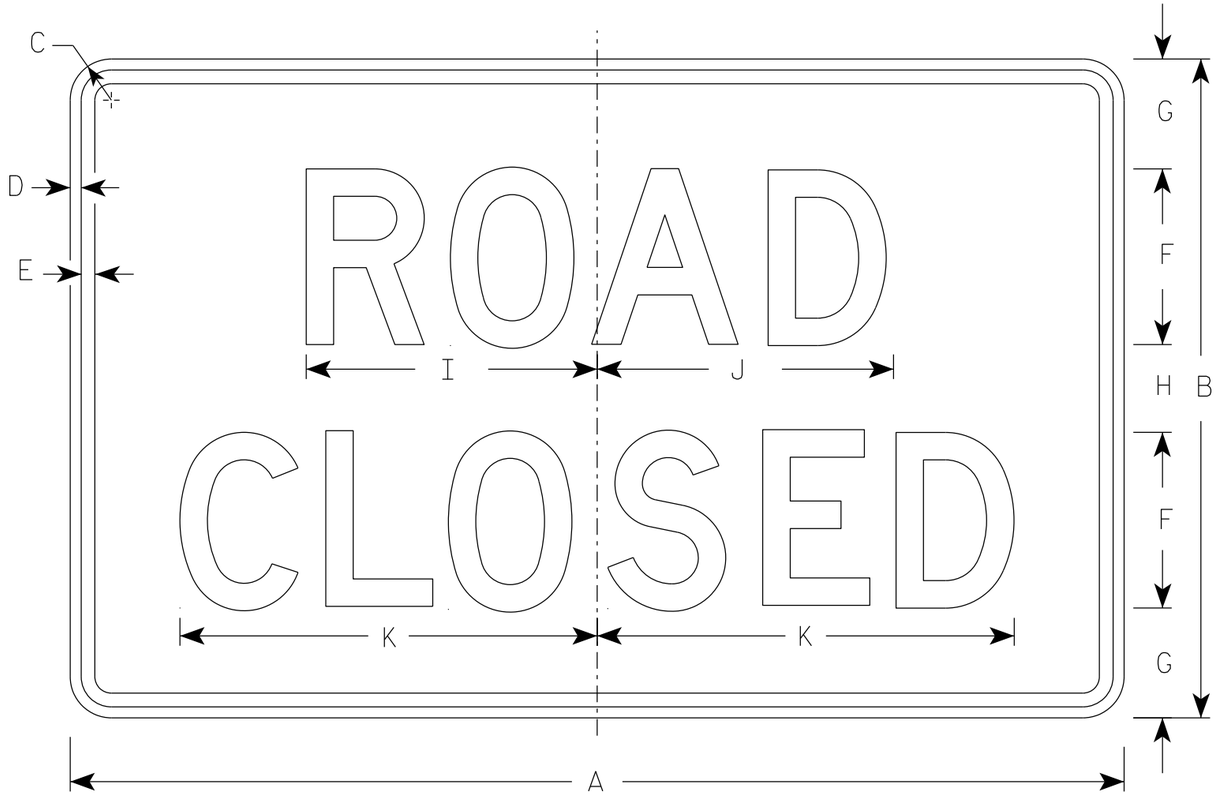
STANDARD SIGN
R9-9A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/24/24 PLATE NO. R9-9A.2

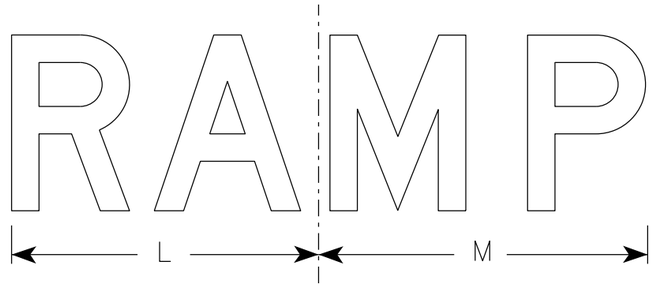
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 523 | E



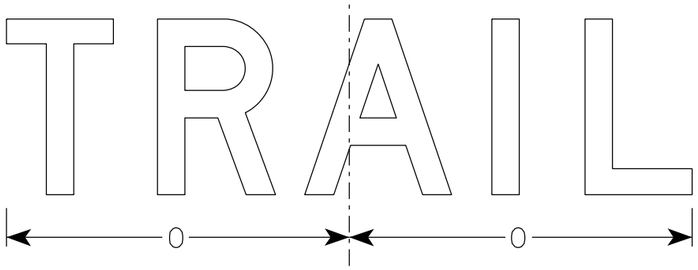
R11-2

NOTES

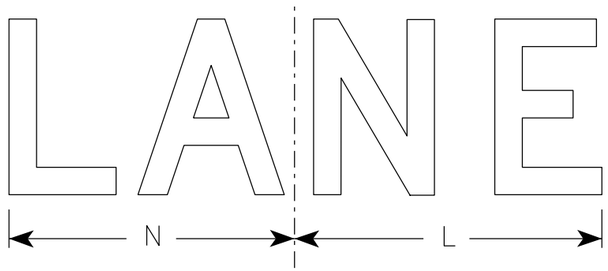
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Modify the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

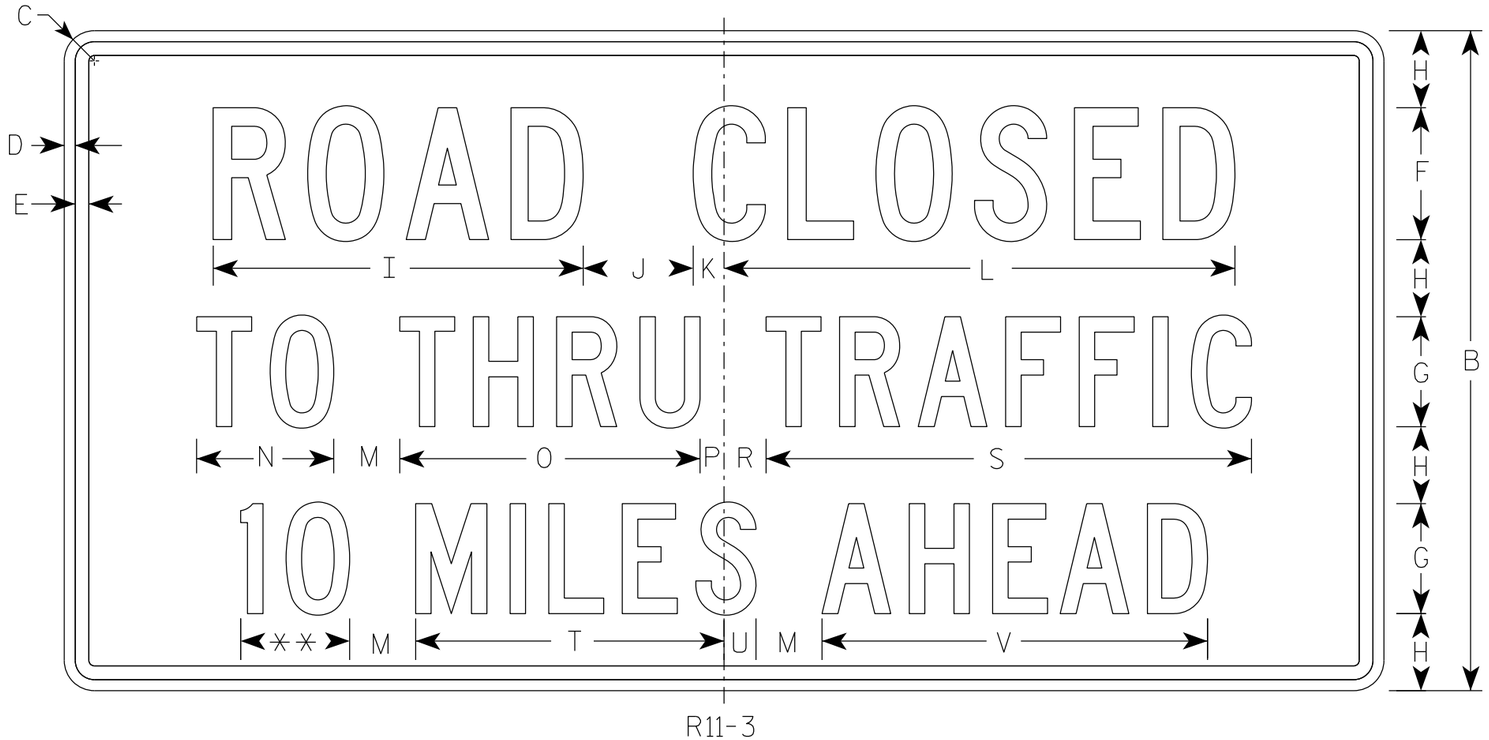
APPROVED Matthew R Rauch
for State Traffic Engineer

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

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 524 E

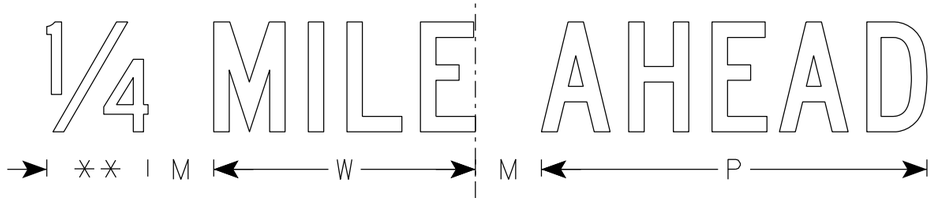
NOTES

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																											

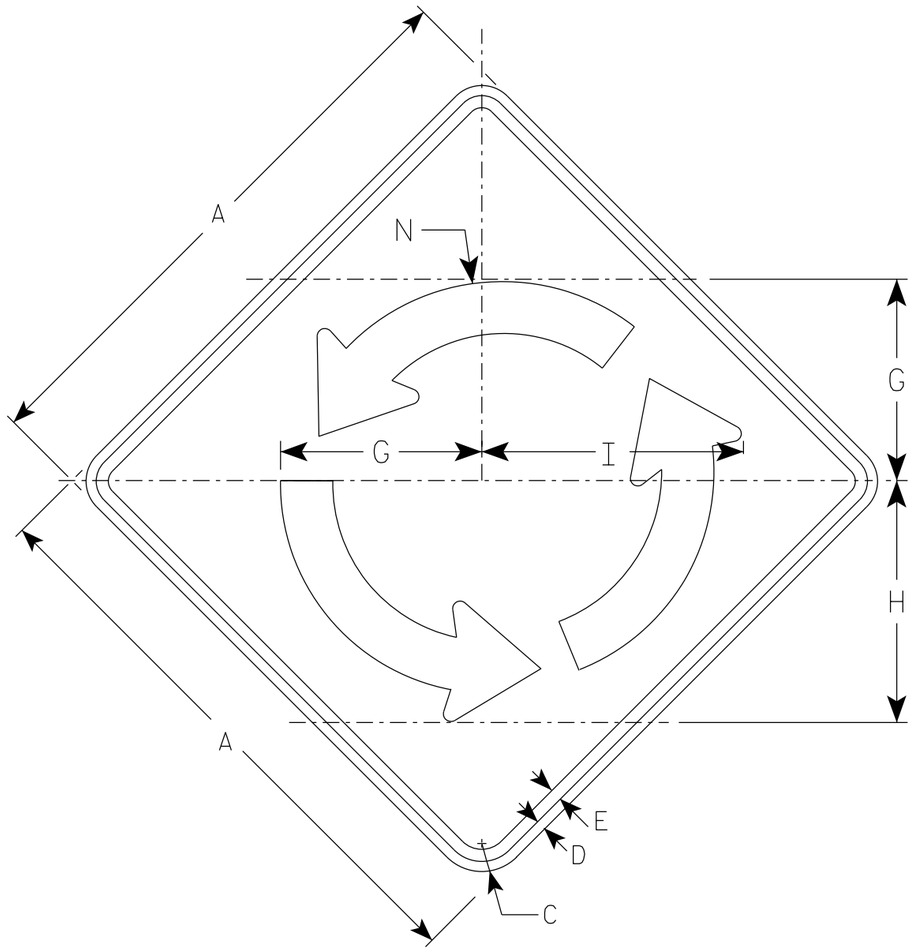
STANDARD SIGN
R11-3

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: 525	E

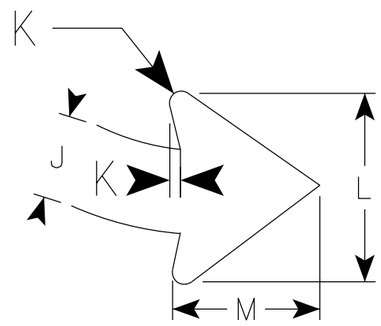


W2-6

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

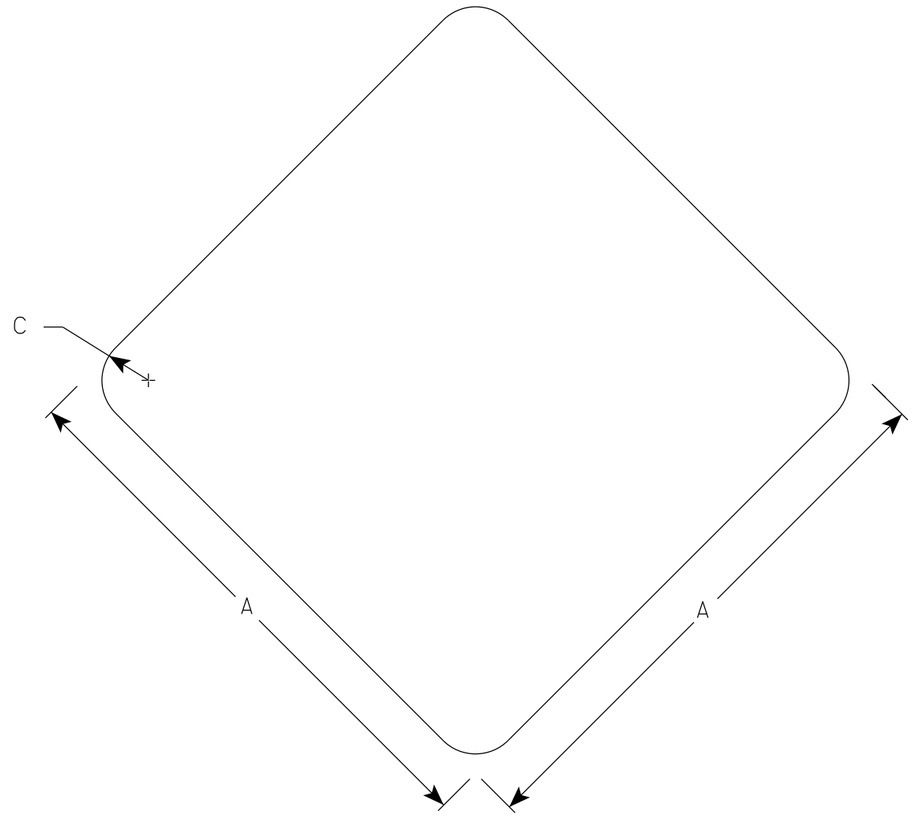
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 8/17/2023 PLATE NO. W2-6.8

PROJECT NO:

SHEET NO: 526 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

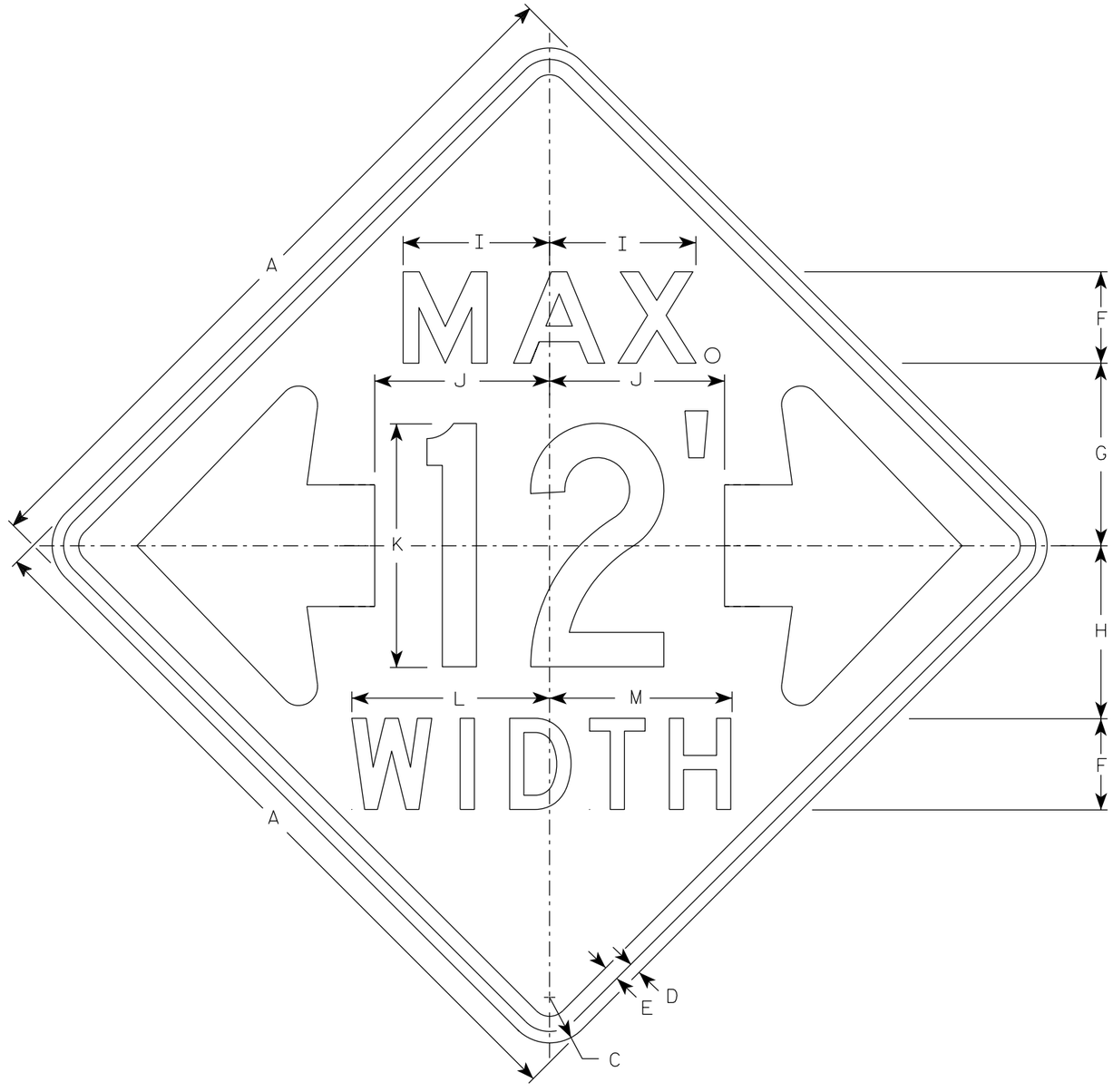
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/5/2024 PLATE NO. W5-54.9

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

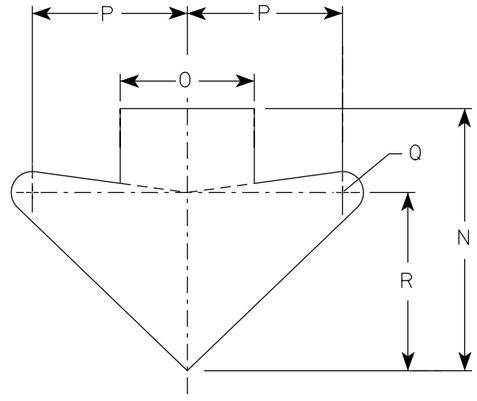
FILE NAME : C:\CAEfiles\Projects\tr_stdplate_W554.dgn PLOT DATE : 5-MARCH 2024 11:55 PLOT BY : dotc4c PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42



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																											

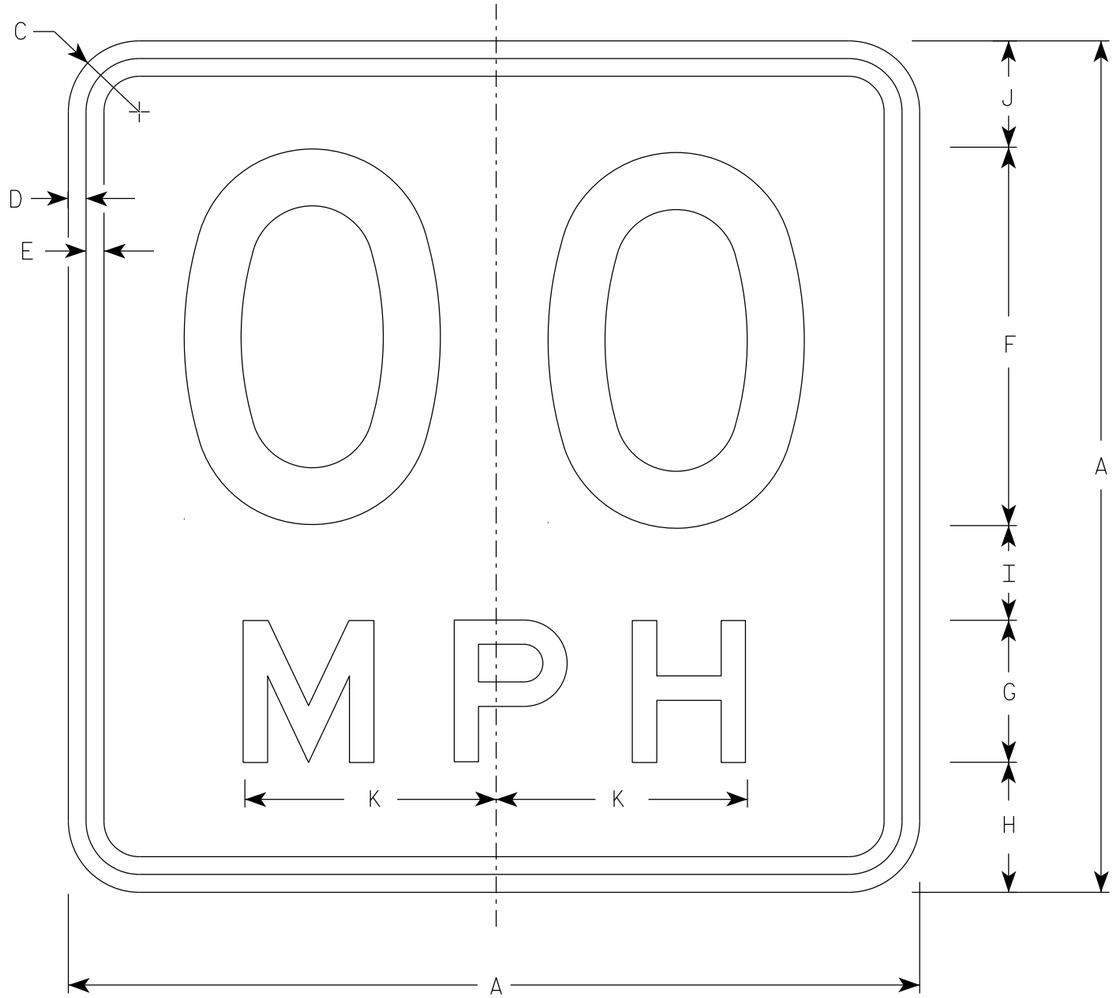
STANDARD SIGN
W12-52

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: 528 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 ½	⅜	⅜	8	3	2 ¾	2	2 ¼	5 ⅜																2.25
*	2S	18		1 ½	⅜	⅜	8	3	2 ¾	2	2 ¼	5 ⅜																2.25
*	2M	18		1 ½	⅜	⅜	8	3	2 ¾	2	2 ¼	5 ⅜																2.25
	3	24		1 ½	⅜	½	10	4	4	2 ¾	3 ¼	6 ⅝																4.00
	4	36		2 ¼	⅝	¾	16	6	5 ½	4	4 ½	10 ⅝																9.00
	5	36		2 ¼	⅝	¾	16	6	5 ½	4	4 ½	10 ⅝																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

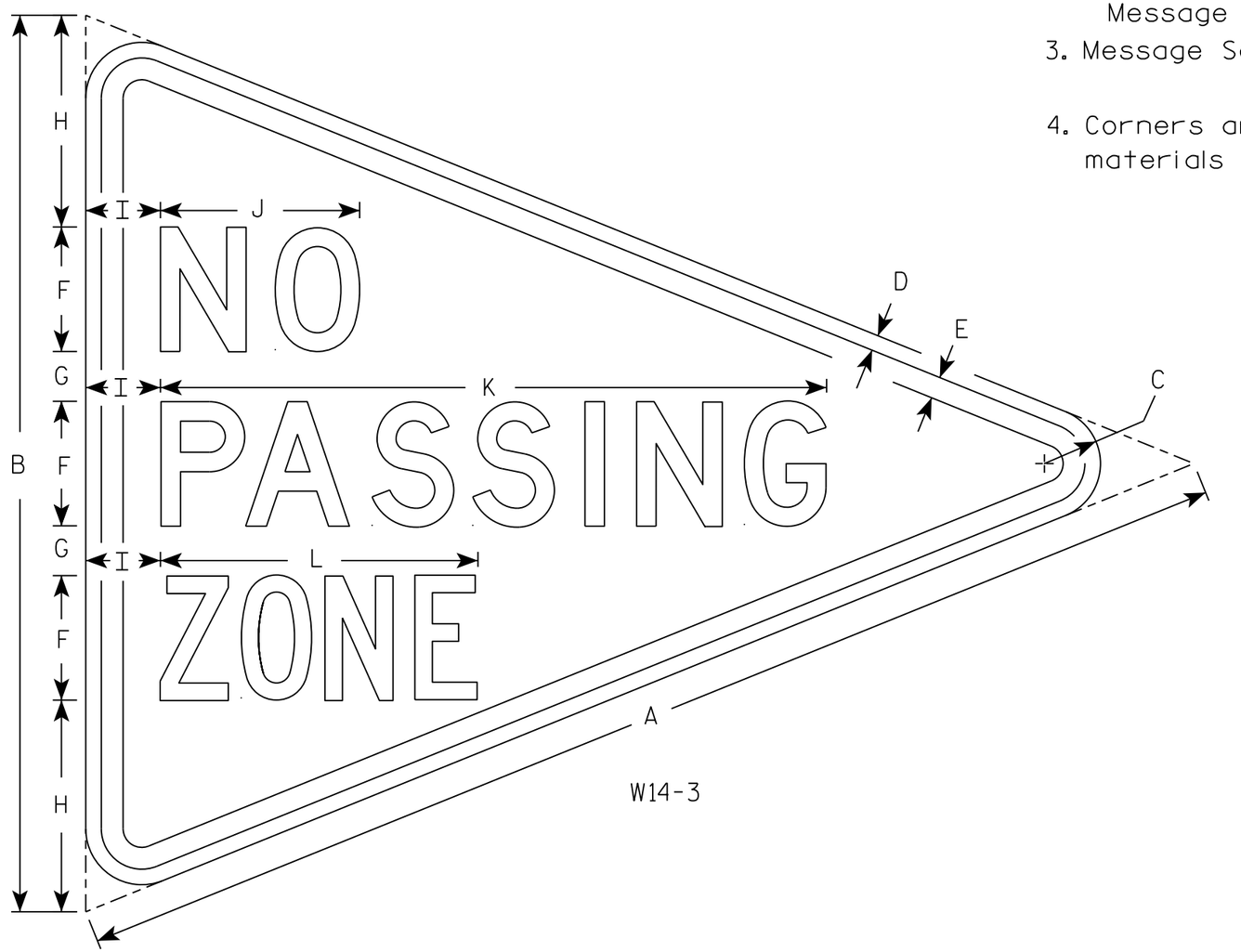
PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

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

7

NOTES

1. Sign is Type II- Type F Reflective
2. Color:
   Background - Yellow
   Message - Black
3. Message Series - Lines 1 and 2 are Series D.
   Line 3 is series C.
4. Corners and borders shall be rounded on all base materials for this sign.



W14-3

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	36	2 1/4	5/8	7/8	5	2	8 1/2	3	8	26 3/4	12 3/4															5.56
2M																											
3																											
4																											
5																											

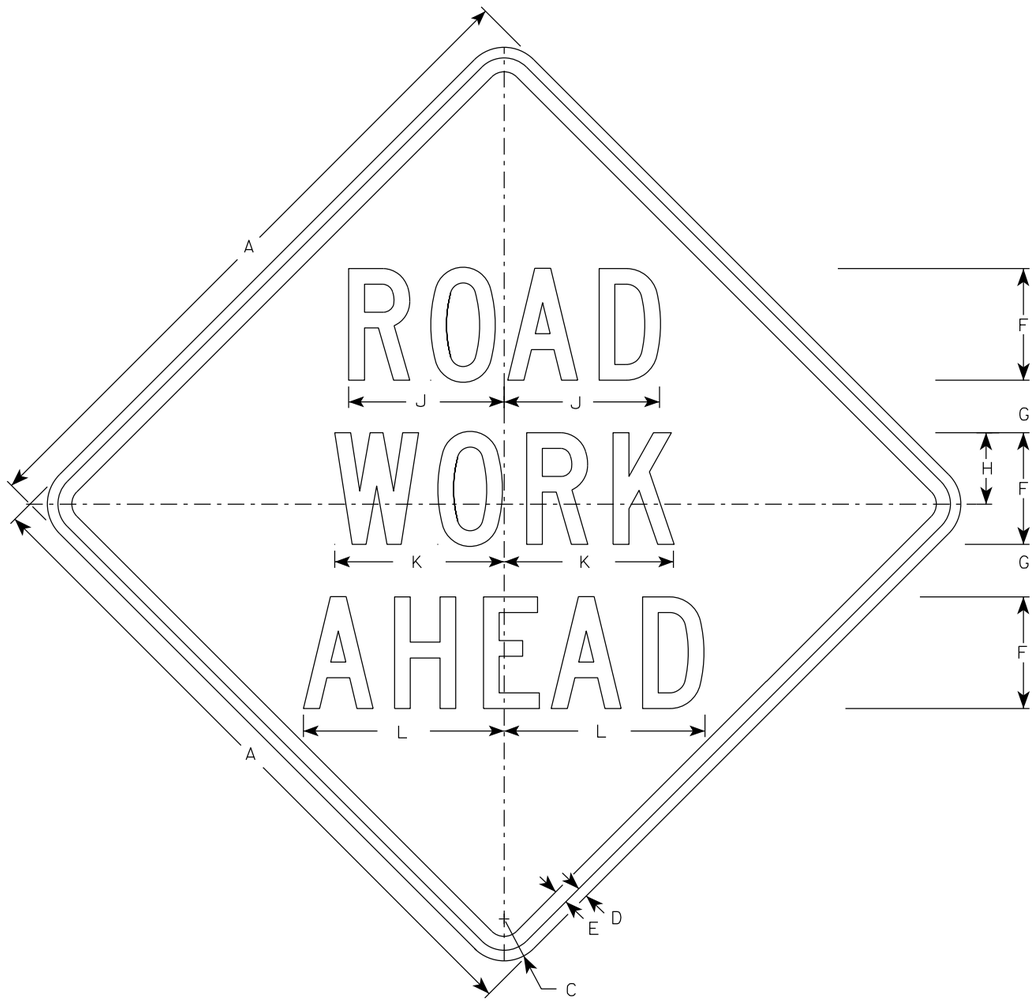
STANDARD SIGN
W14-3

WISCONSIN DEPT OF TRANSPORTATION

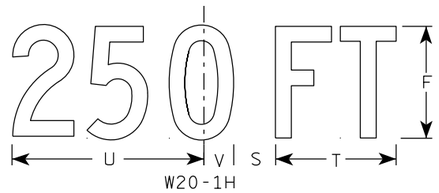
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/21/17 PLATE NO. W14-3.10

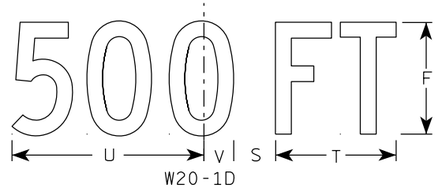
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 530 | E



W20-1A



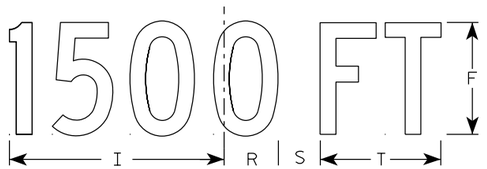
W20-1H



W20-1D



W20-1C



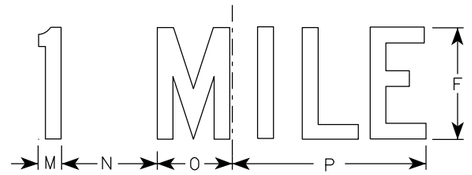
W20-1B

NOTES

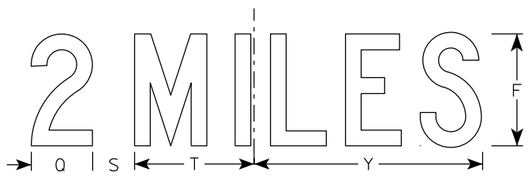
1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



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:

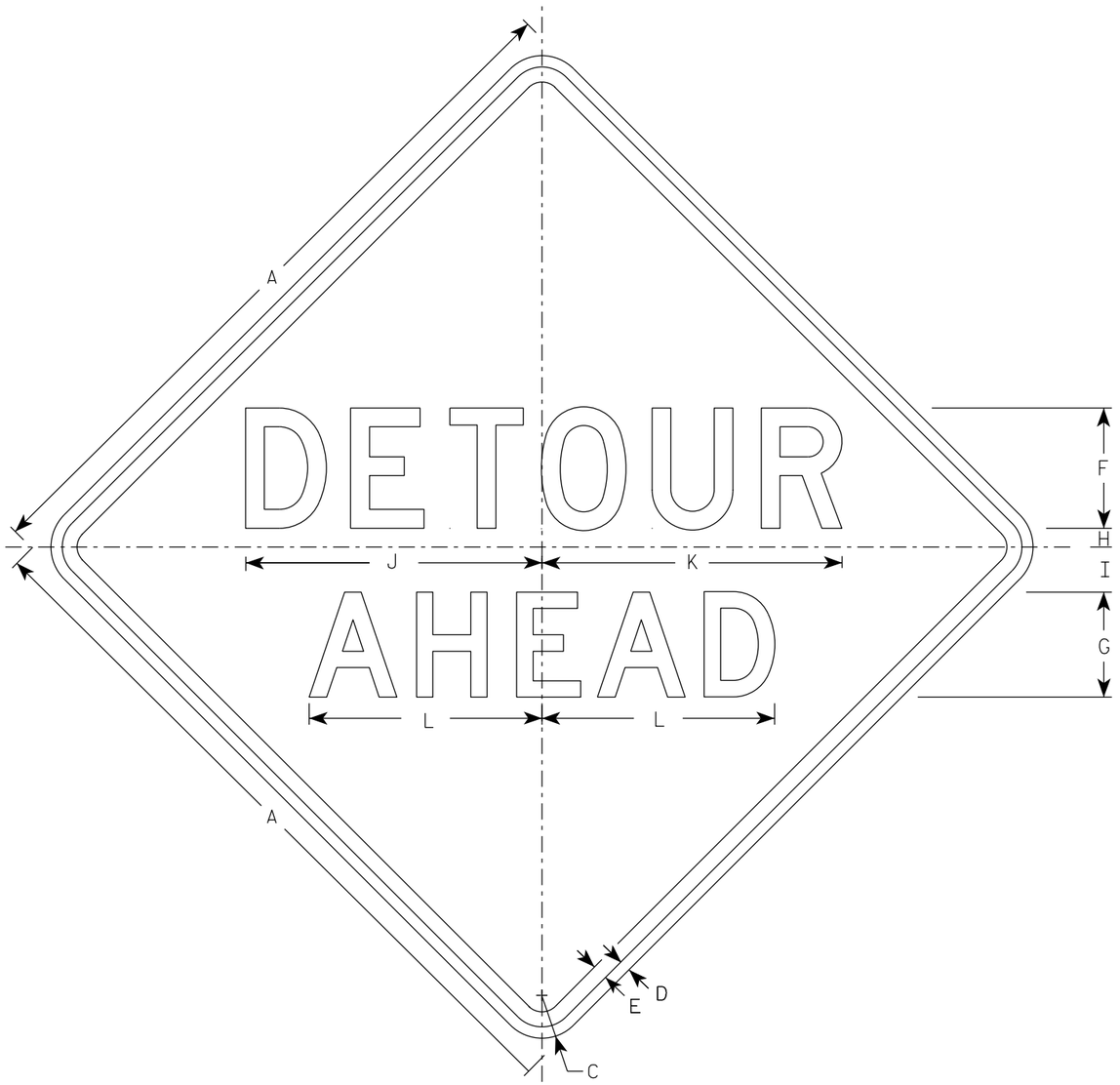
SHEET NO: 531 E

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

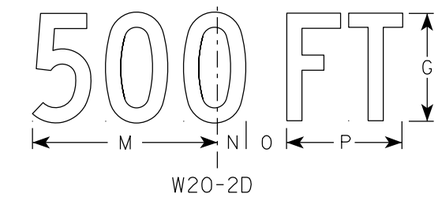
WISDOT/CADDS SHEET 42

7

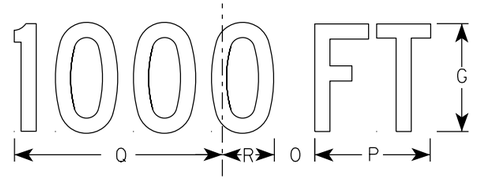
7



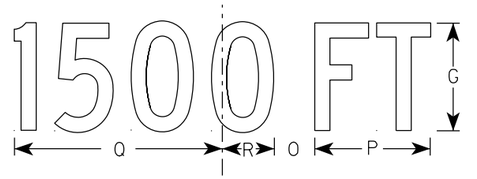
W20-2A



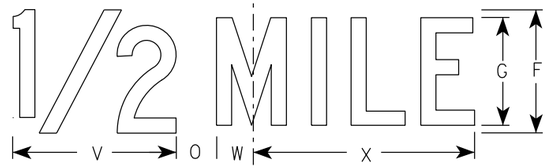
W20-2D



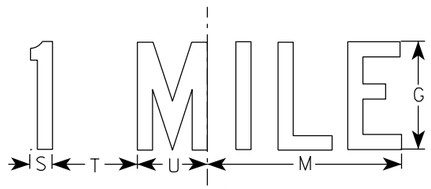
W20-2C



W20-2B



W20-2G



W20-2F

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - See note 5
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Line 1 is Series D.
   Line 2 is Series D for AHEAD and Series C for all other distances.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		2 1/4	5/8	3/4	6	5	1	2 1/4	14 3/4	15	11 5/8	9	1 3/8	1 7/8	5 5/8	10 1/8	2 1/2	1 1/8	4 1/2	3 1/2	8	1 3/4	10 3/4			9.0
2S	48		3	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0
2M	48		3	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0
3	48		3	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0
4	48		3	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0
5	48		3	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0

STANDARD SIGN
W20-2A,B,C,D,F & G

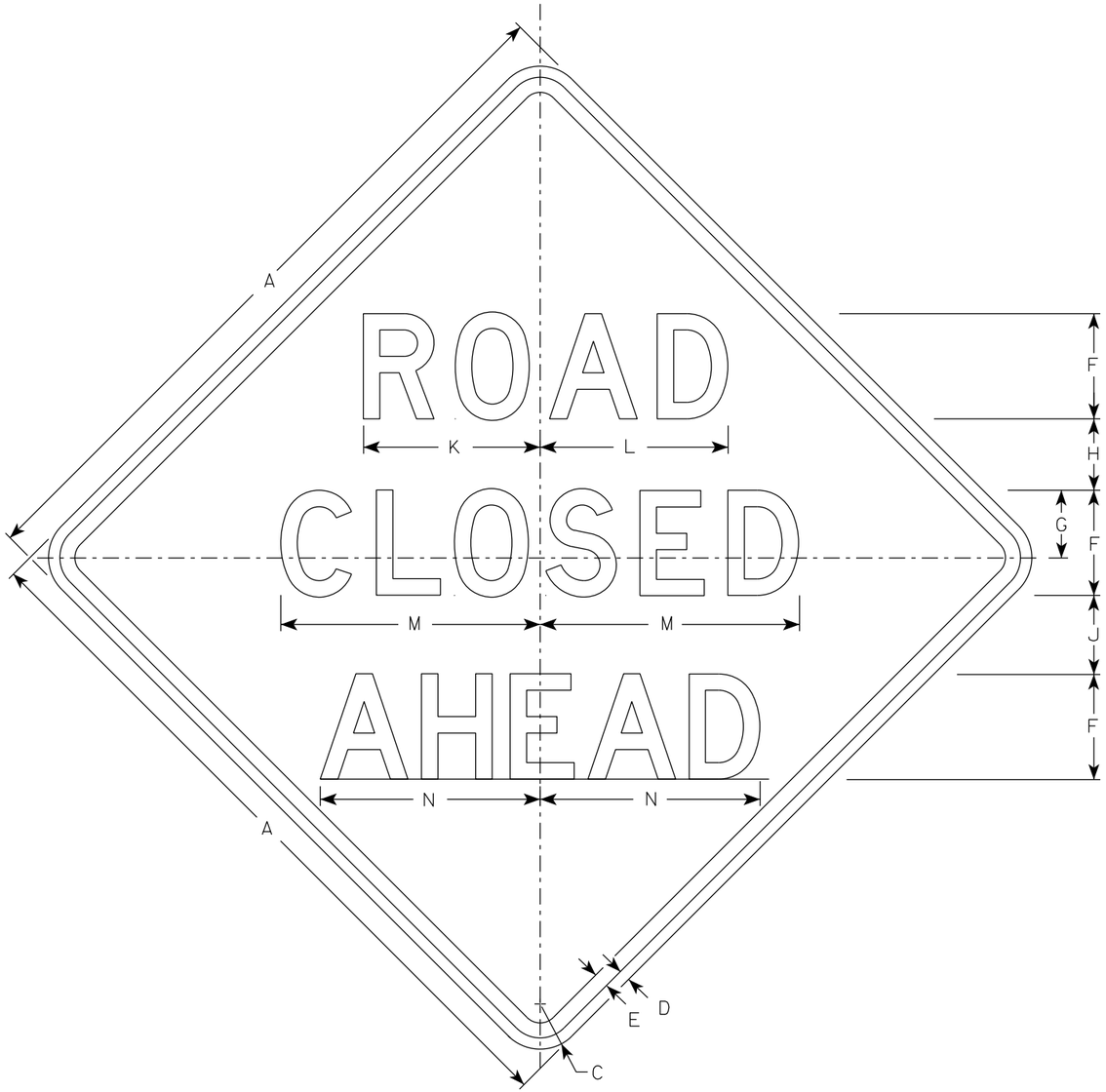
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

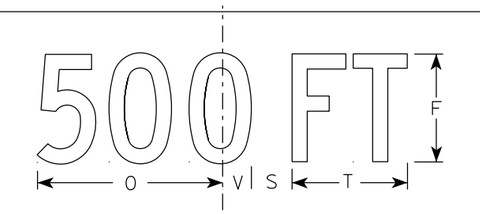
DATE 1/10/2024 PLATE NO. W20-2.7

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

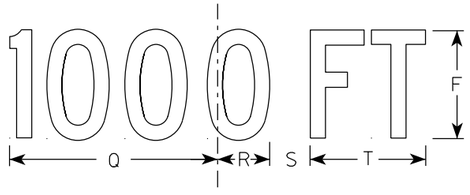
FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W202.DGN PLOT DATE : 10-JAN 2024 11:36 PLOT BY : dotc4c PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42



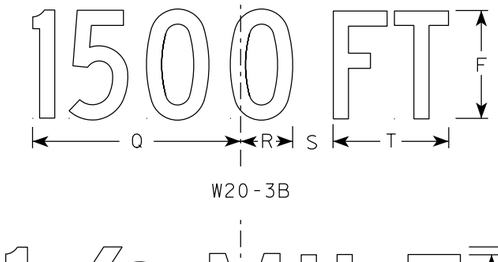
W20-3A



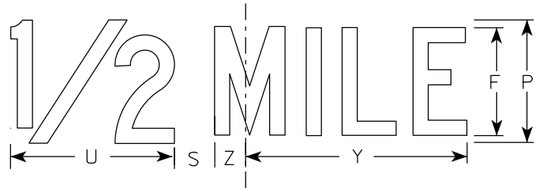
W20-3D



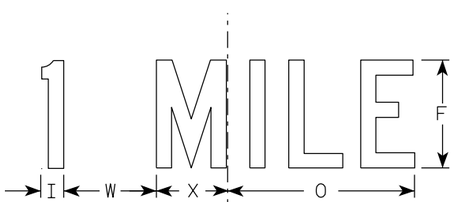
W20-3C



W20-3B



W20-3G



W20-3F

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - see note 5
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Lines 1 and 2 are Series D.
   Line 3 is Series D for AHEAD and Series C for all other distances.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		2 1/4	5/8	3/4	5	3 3/8	3 1/2	1 1/8	4	8 3/8	8 7/8	12 1/2	11	9	6	10 1/8	2 1/2	1 7/8	5 5/8	8	1 3/8	4 1/2	3 1/2	10 3/4	1 3/4	9.0
2S	48		3	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0
2M	48		3	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0
3	48		3	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0
4	48		3	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0
5	48		3	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0

STANDARD SIGN
W20-3A, B, C, D, F & G

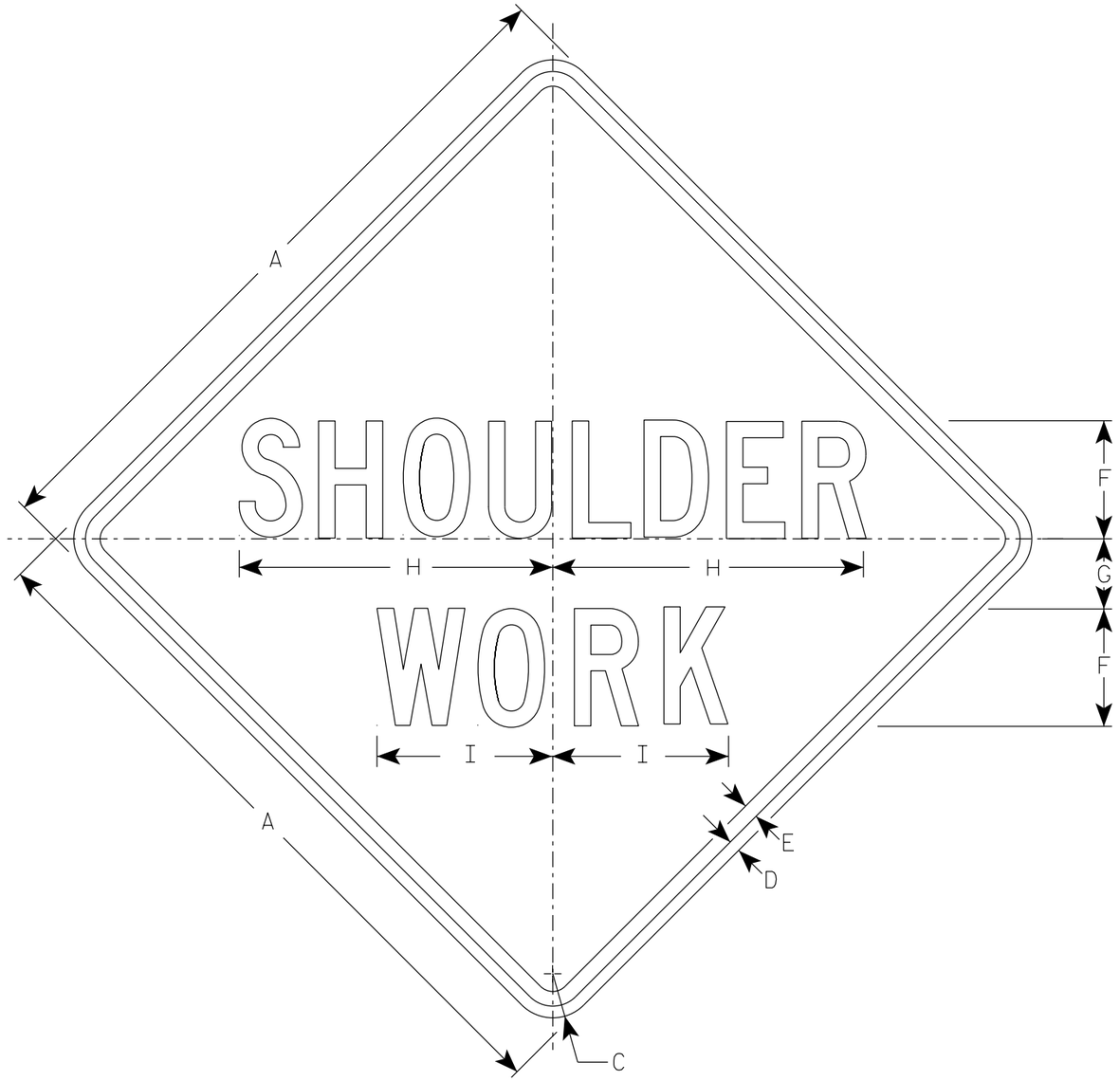
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/10/2024 PLATE NO. W20-3.8

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

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W203.DGN PLOT DATE : 10-JAN 2024 12:02 PLOT BY : dotc4c PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42



W21-5

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
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	36		2 1/4	5/8	3/4	6	3 1/2	16	9																		9.0
2S	48		3	3/4	1	8	5	21 3/8	11 1/4																		16.0
2M	48		3	3/4	1	8	5	21 3/8	11 1/4																		16.0
3	48		3	3/4	1	8	5	21 3/8	11 1/4																		16.0
4	48		3	3/4	1	8	5	21 3/8	11 1/4																		16.0
5	48		3	3/4	1	8	5	21 3/8	11 1/4																		16.0

STANDARD SIGN
W21-5

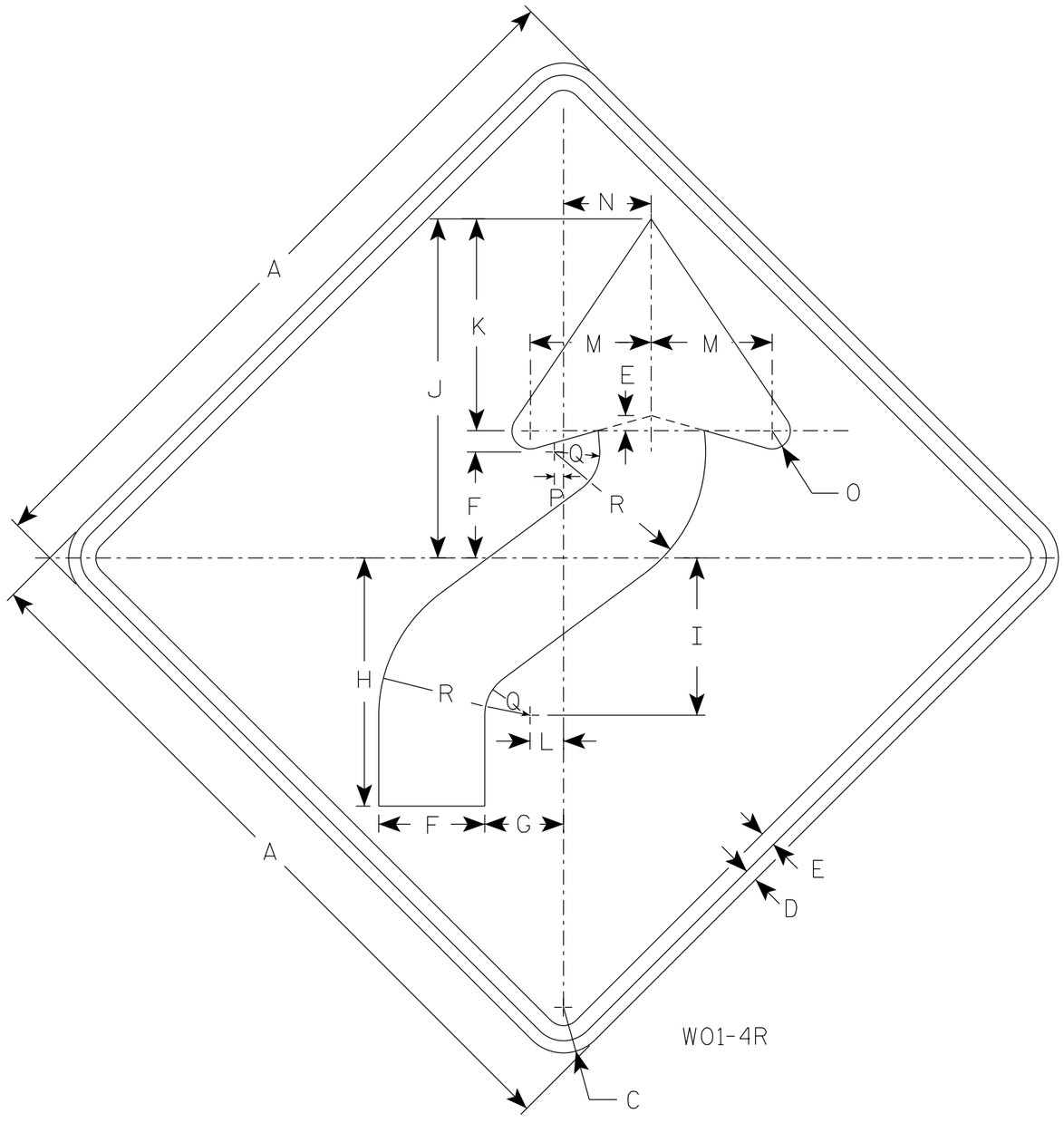
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/11/2024 PLATE NO. W21-5.7

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 534 E

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

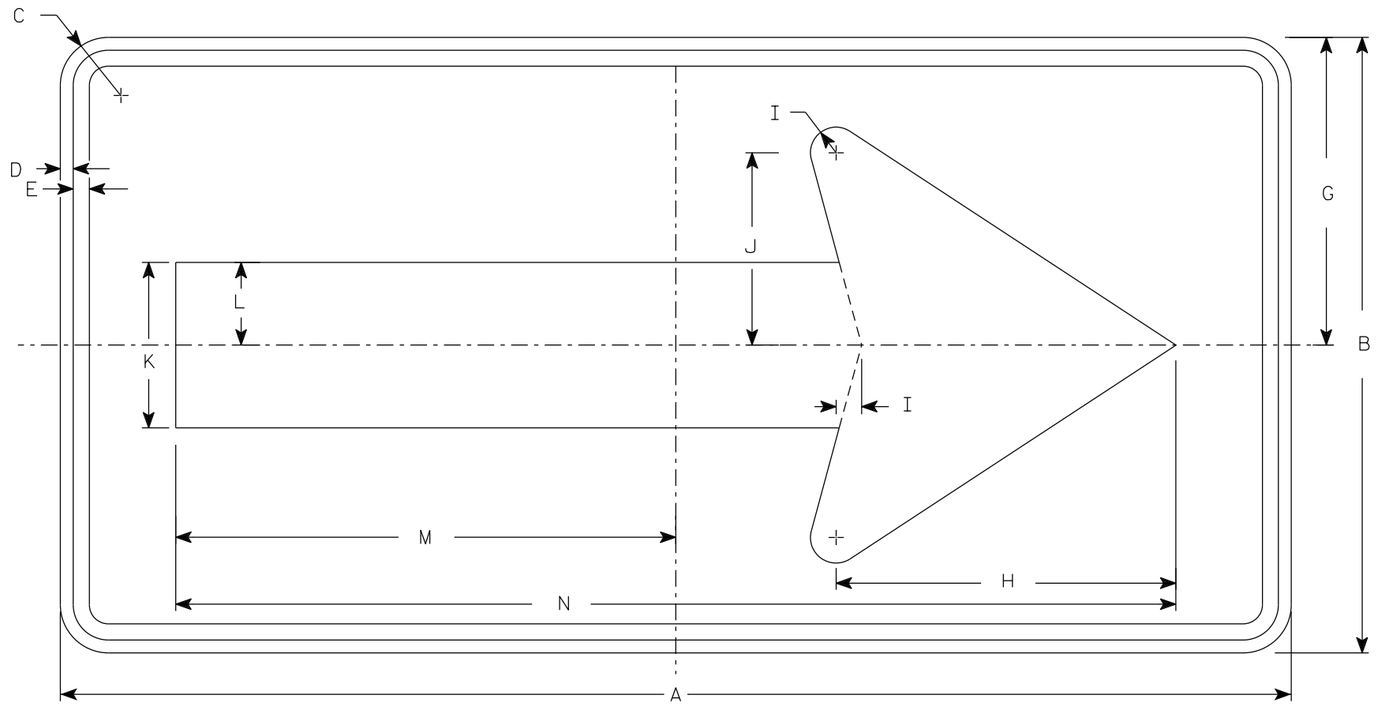
STANDARD SIGN
W01-4

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: 535 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

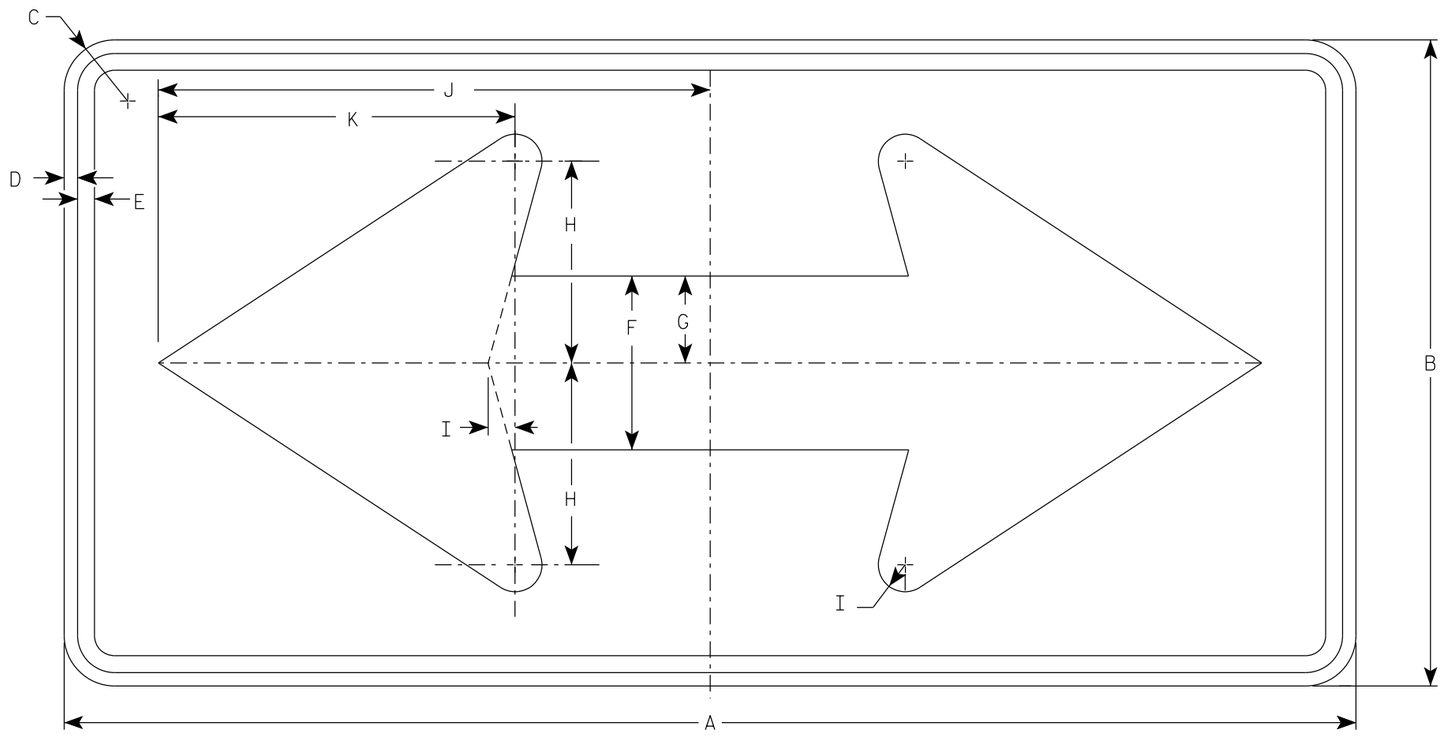
STANDARD SIGN
WO1-6

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



W01-7

NOTES

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

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	48	24	1 7/8	1/2	5/8	6 1/2	3 1/4	7 1/2	1	20 1/2	13 1/4																8.0
2M	48	24	1 7/8	1/2	5/8	6 1/2	3 1/4	7 1/2	1	20 1/2	13 1/4																8.0
3	60	30	1 7/8	1/2	5/8	8	4	9 1/4	1 1/4	25 3/8	16 1/4																12.5
4	60	30	1 7/8	1/2	5/8	8	4	9 1/4	1 1/4	25 3/8	16 1/4																12.5
5	60	30	1 7/8	1/2	5/8	8	4	9 1/4	1 1/4	25 3/8	16 1/4																12.5

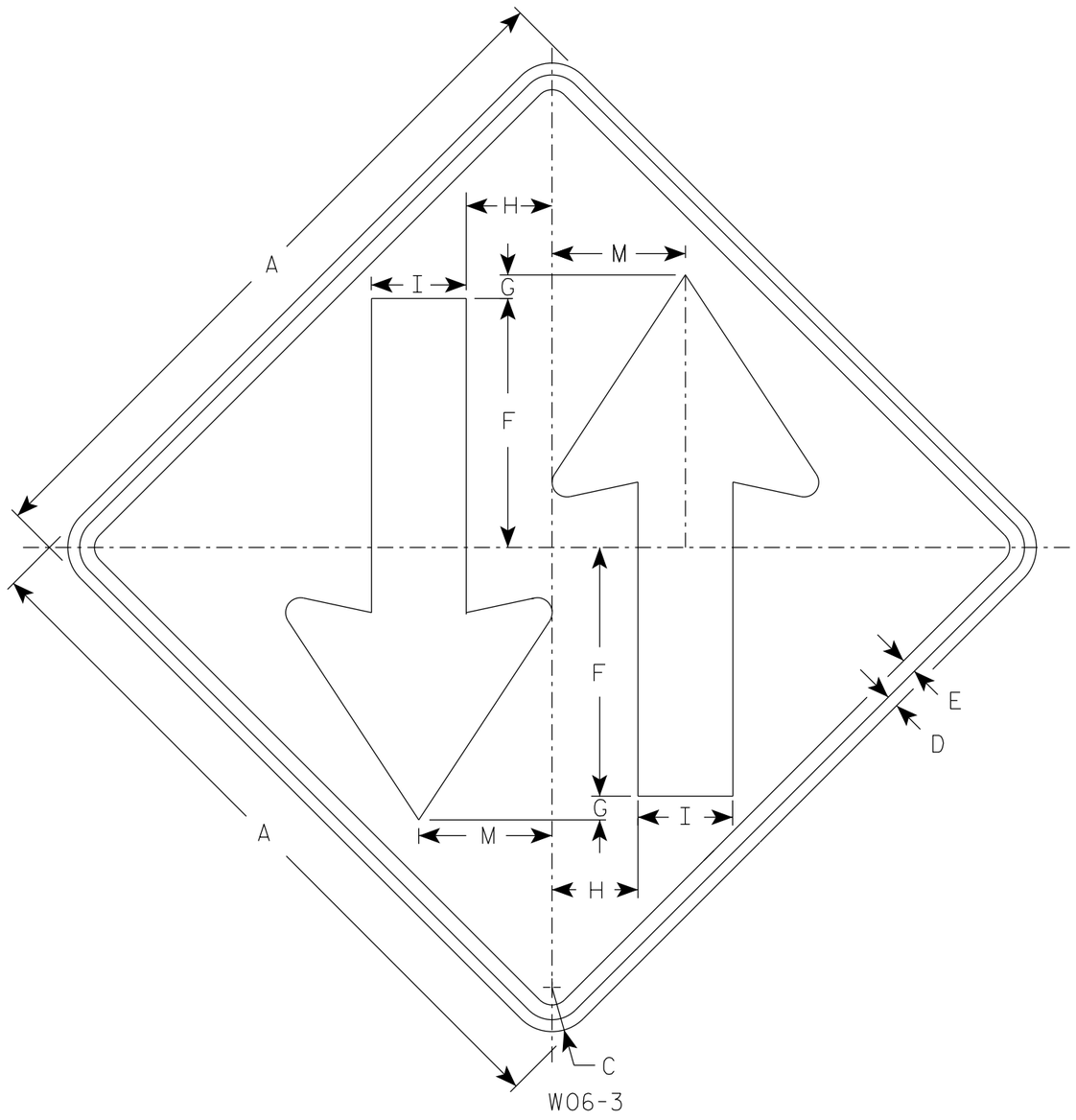
STANDARD SIGN
W01-7

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/24/2024 PLATE NO. W01-7.2

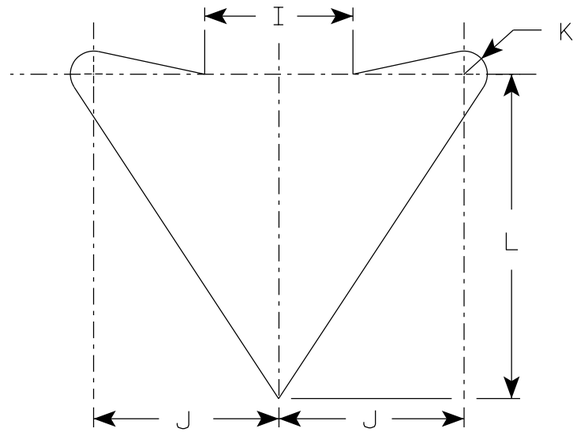
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 537 | E



W06-3

NOTES

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



ARROW DETAIL

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

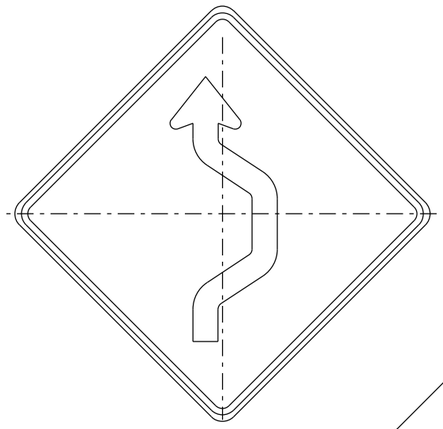
STANDARD SIGN
W06-3

WISCONSIN DEPT OF TRANSPORTATION

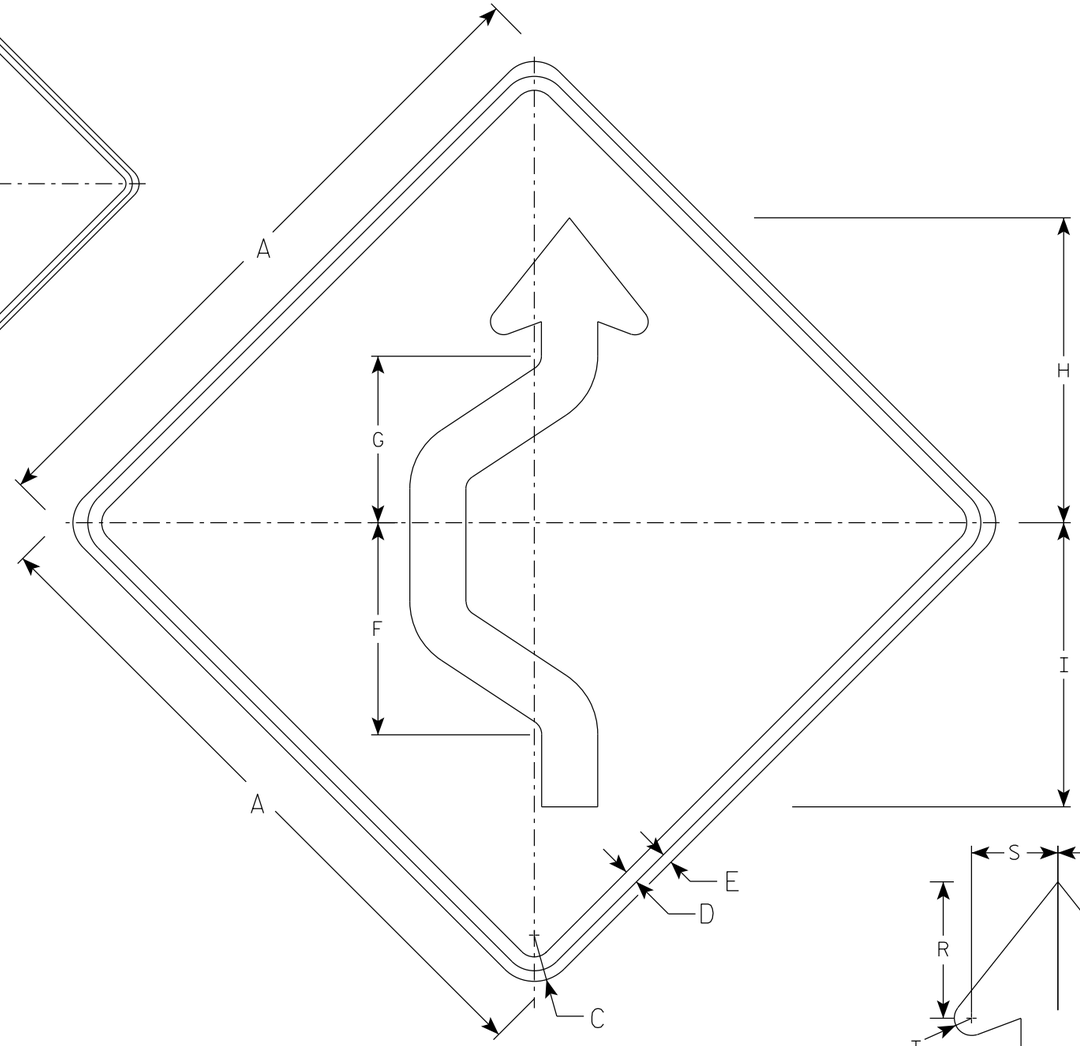
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/30/2024 PLATE NO. W06-3.2

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 538	E



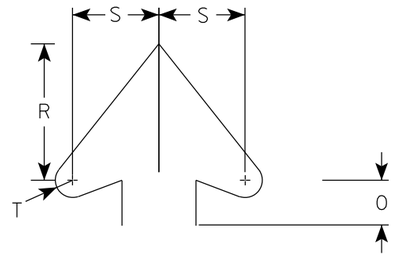
W024-1R



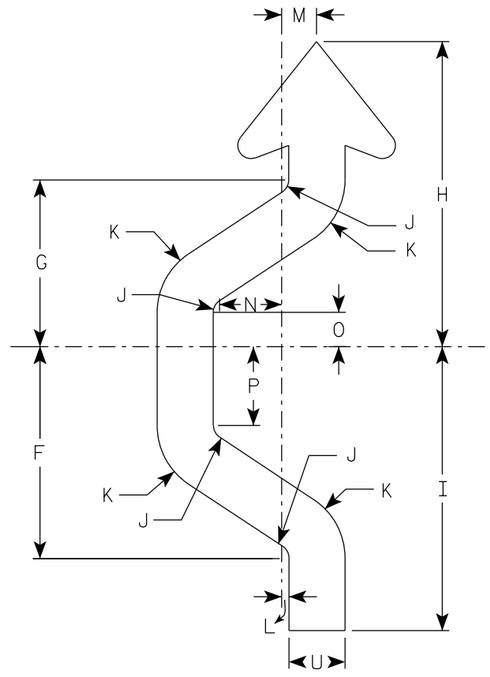
W024-1L

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. W024-1R is the same as W024-1L except reversed along the vertical centerline.



Arrowhead Detail



Arrow Detail

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		2 1/4	5/8	1/2	11 3/8	8 7/8	16 3/8	15 1/4	3/4	3 3/4	3/8	2	3 3/8	1 7/8	4 1/4		5 1/2	3 1/2	5/8	3						9.0
2S	48		3	1	3/4	15 1/8	11 7/8	21 3/4	20 1/4	1	5	1/2	2 1/2	4 3/8	2 3/8	5 5/8		7 3/8	4 3/4	7/8	4						16.0
2M	48		3	1	3/4	15 1/8	11 7/8	21 3/4	20 1/4	1	5	1/2	2 1/2	4 3/8	2 3/8	5 5/8		7 3/8	4 3/4	7/8	4						16.0
3	48		3	1	3/4	15 1/8	11 7/8	21 3/4	20 1/4	1	5	1/2	2 1/2	4 3/8	2 3/8	5 5/8		7 3/8	4 3/4	7/8	4						16.0
4	48		3	1	3/4	15 1/8	11 7/8	21 3/4	20 1/4	1	5	1/2	2 1/2	4 3/8	2 3/8	5 5/8		7 3/8	4 3/4	7/8	4						16.0
5	48		3	1	3/4	15 1/8	11 7/8	21 3/4	20 1/4	1	5	1/2	2 1/2	4 3/8	2 3/8	5 5/8		7 3/8	4 3/4	7/8	4						16.0

STANDARD SIGN
W024-1 L & R

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

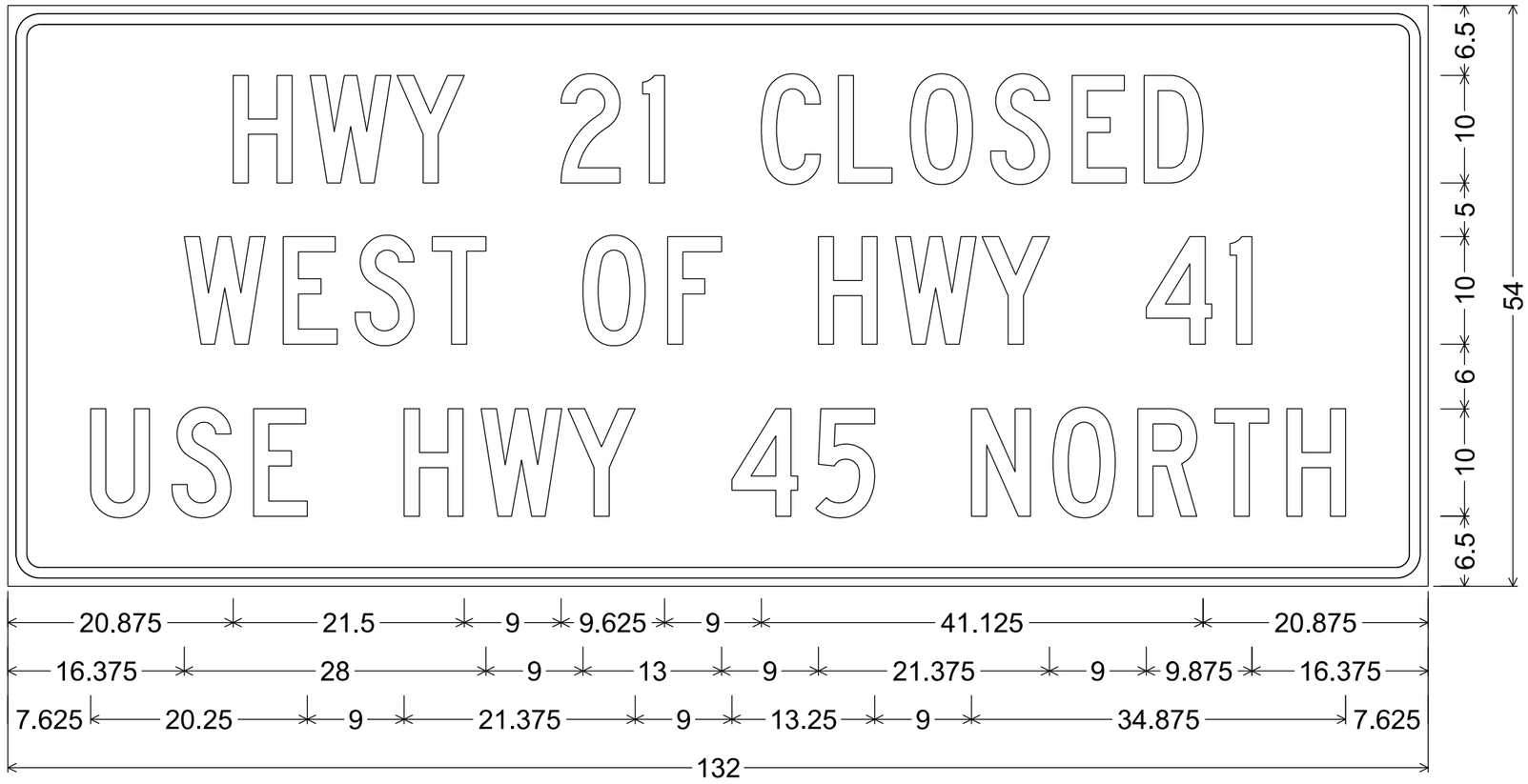
DATE 2/1/2024 PLATE NO. W024-1.2

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

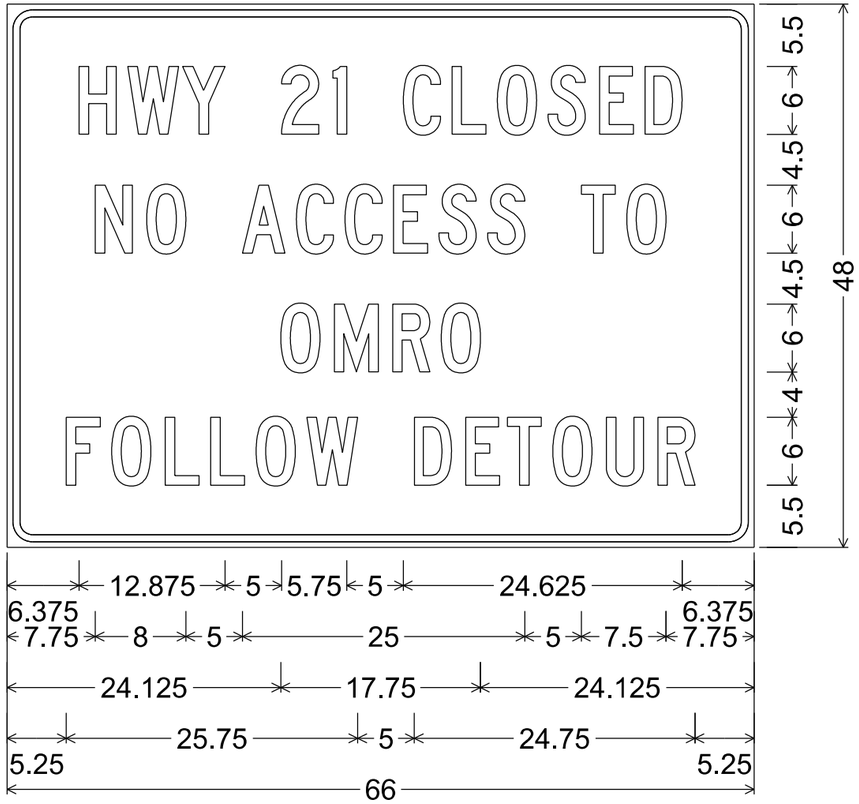
FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W0241.dgn PLOT DATE : 1-FEB 2024 10:32 PLOT BY : dotc4c PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

NOTES

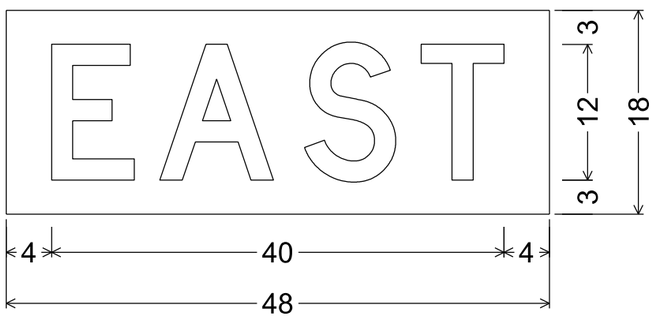
1. Fixed Message Sign Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - C



3.000" Radius, 1.000" Border, 0.750" Indent



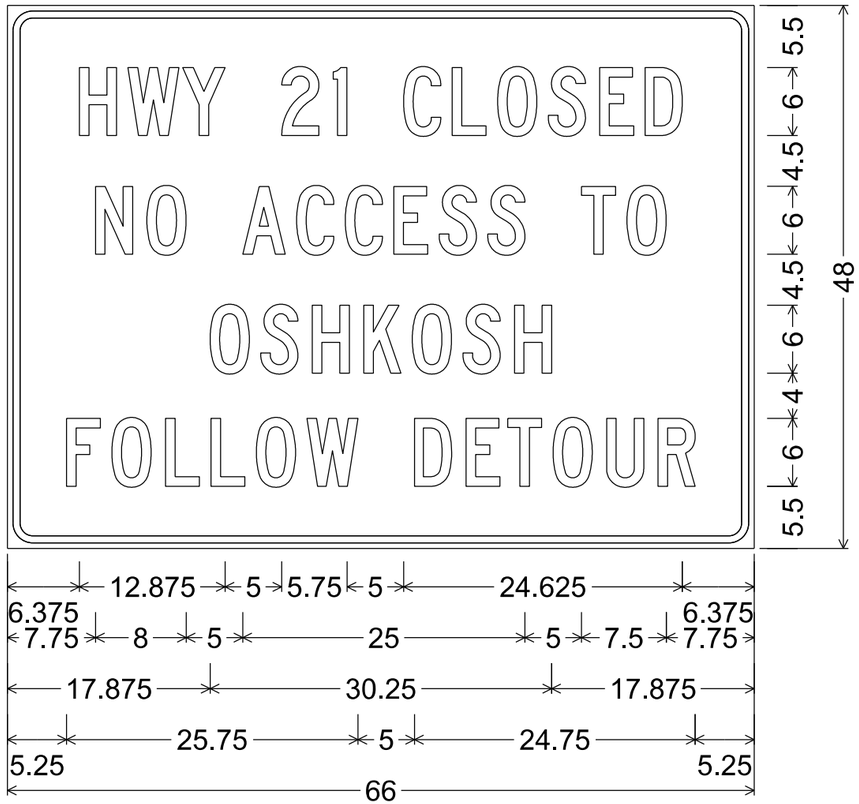
2.250" Radius, 0.625" Border, 0.500" Indent



No border, Black on, Fluorescent orange;
"EAST", D;

NOTES

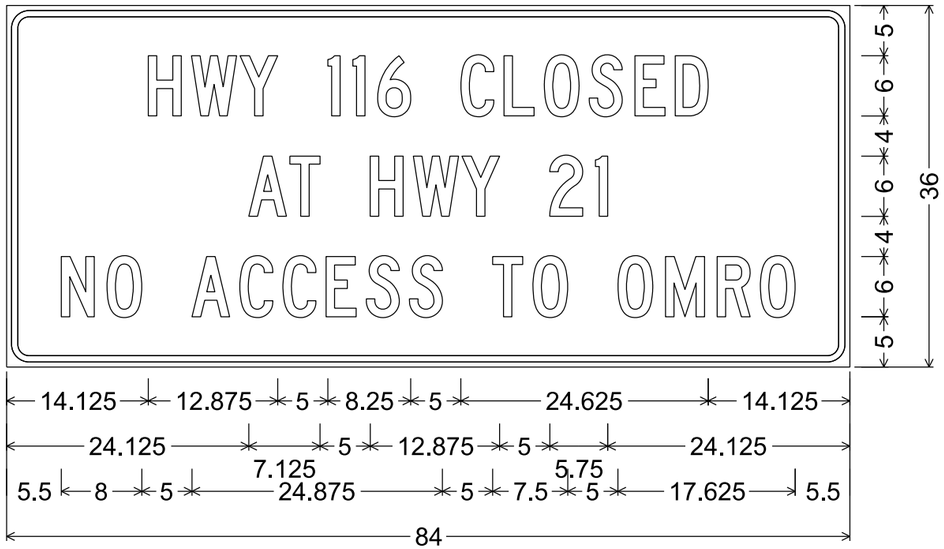
1. Fixed Message Signs Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - C except as noted



2.250" Radius, 0.625" Border, 0.500" Indent

NOTES

1. Fixed Message Sign Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - C



2.250" Radius, 0.625" Border, 0.500" Indent

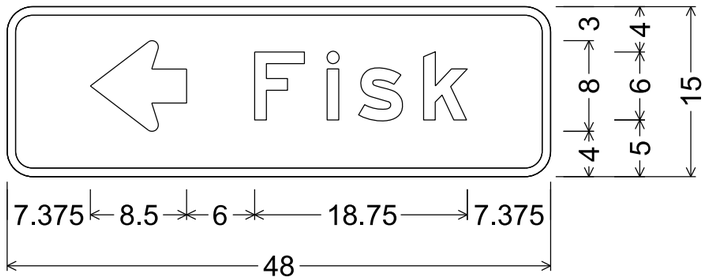
7

7

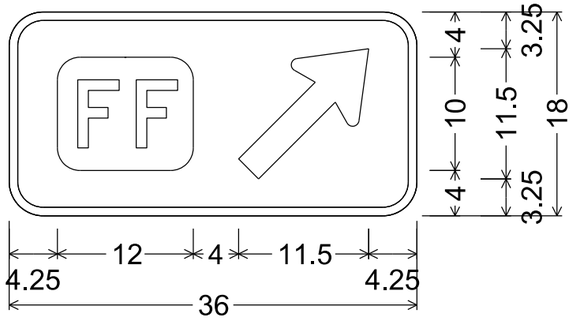
PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	TEMPORARY SIGNING	SHEET NO: 542	E

NOTES

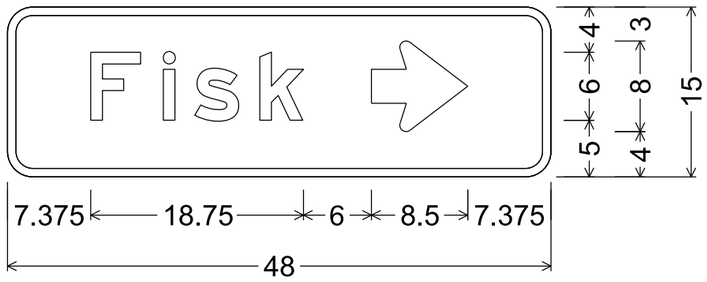
1. All Signs Type II - Type H Reflective
2. Color:
   Background - Green
   Message - White
3. Message Series - E



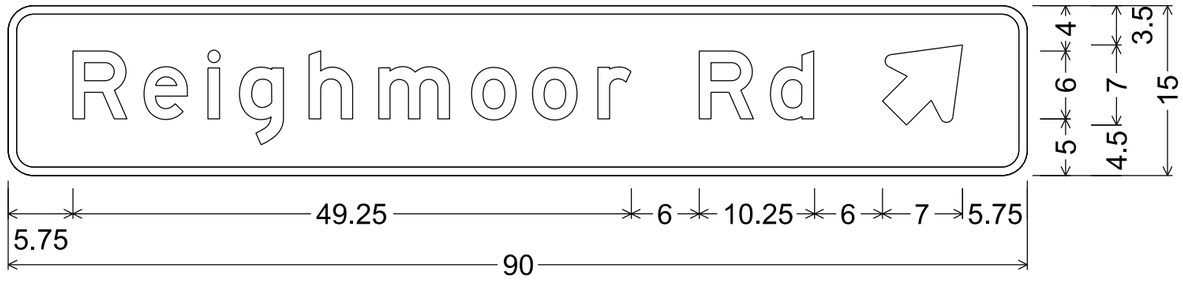
D1-1; 2.250" Radius, 0.750" Border



D1-67; 3.000" Radius, 0.750" Border



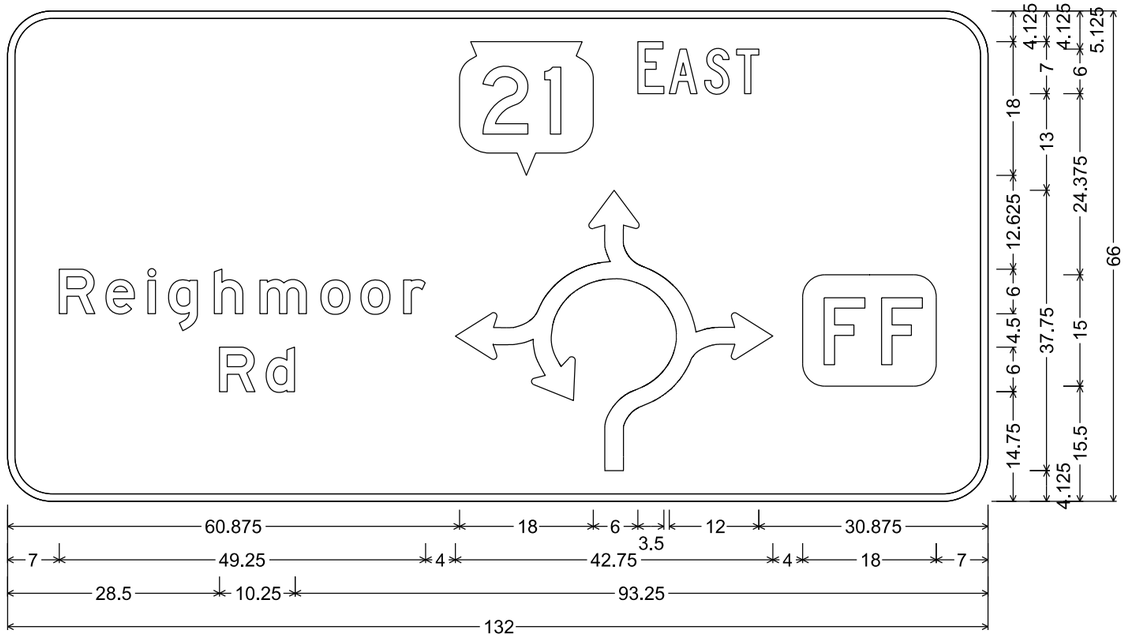
D1-1; 2.250" Radius, 0.750" Border



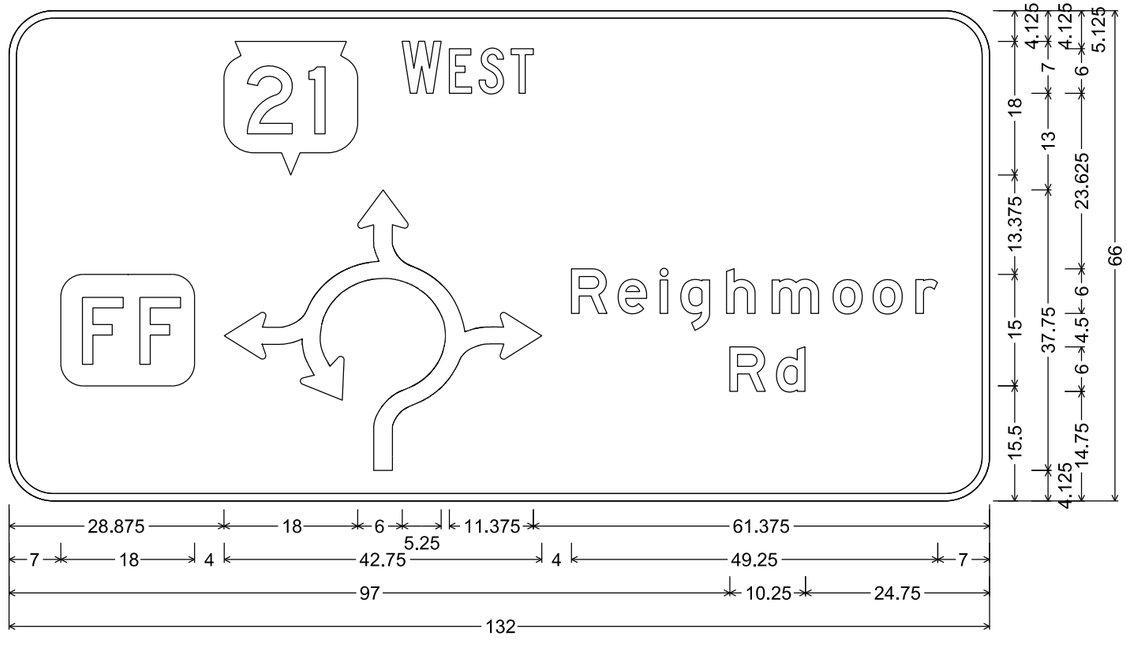
D1-1; 2.250" Radius, 0.750" Border

7

7



D1-62; 6.000" Radius, 1.000" Border
"EAST", C



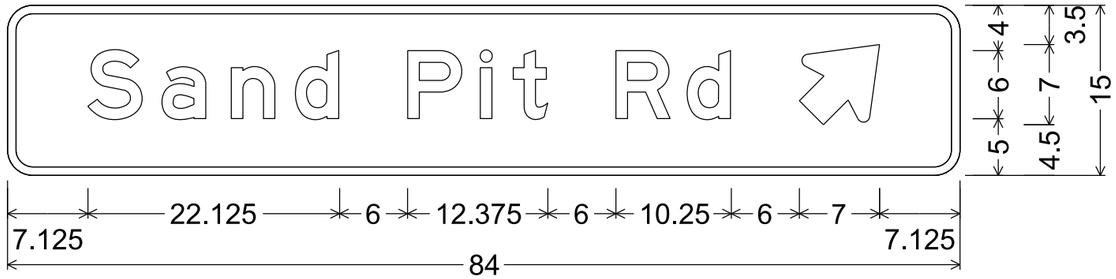
D1-62; 6.000" Radius, 1.000" Border
"WEST", C

NOTES

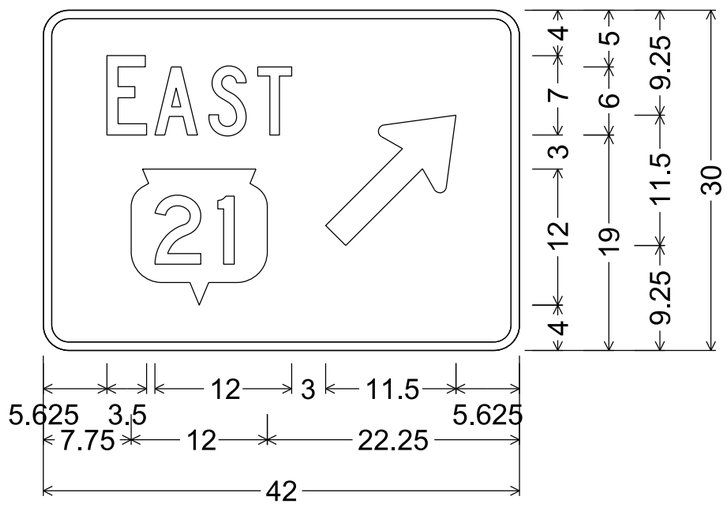
1. All Signs Type II - Type H Reflective
2. Color:
   Background - Green
   Message - White
3. Message Series - E or as noted

NOTES

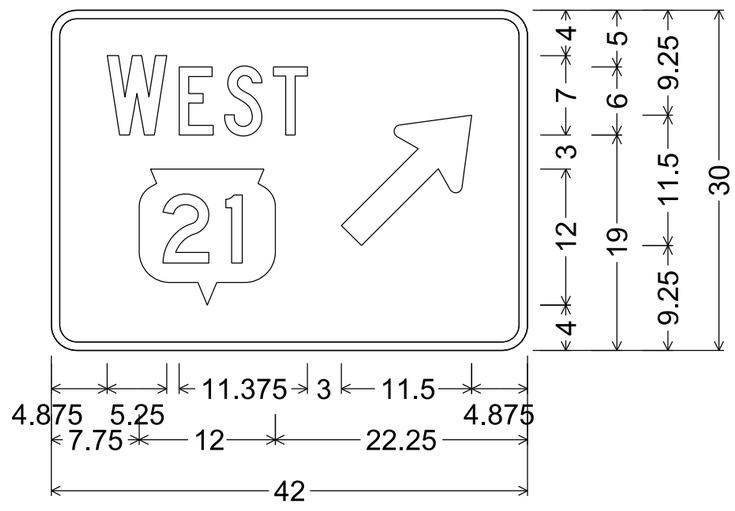
1. All Signs Type II - Type H Reflective
2. Color:
   Background - Green
   Message - White
3. Message Series - E or as noted



D1-1; 2.250" Radius, 0.750" Border



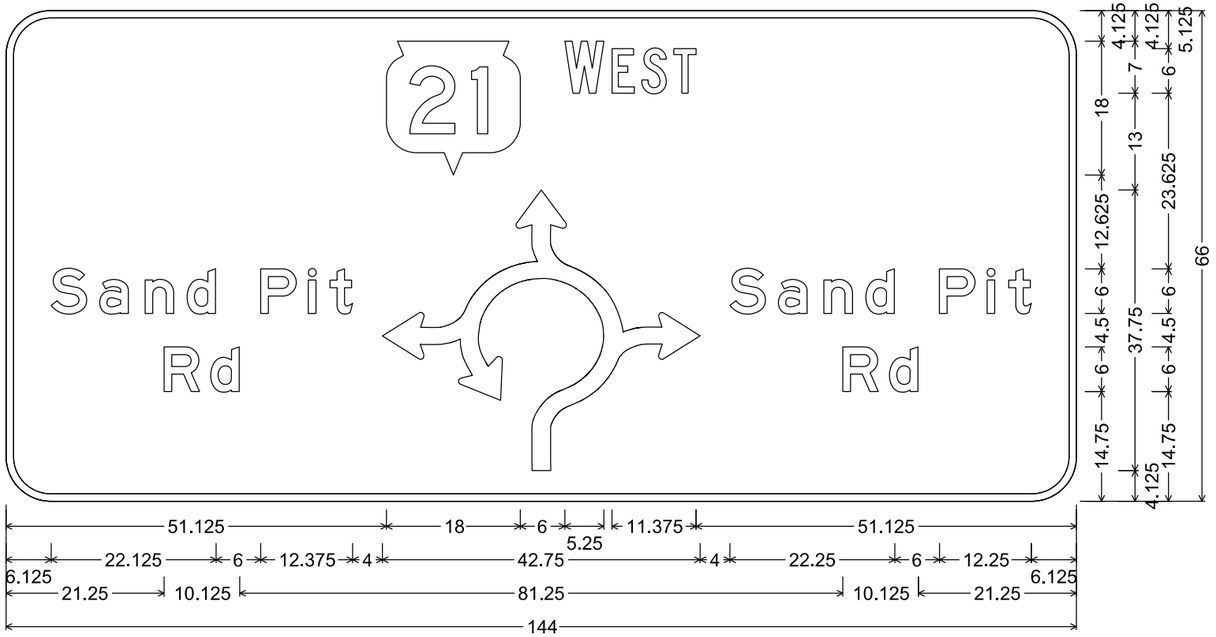
D1-67; 2.250" Radius, 0.750" Border
"EAST", C



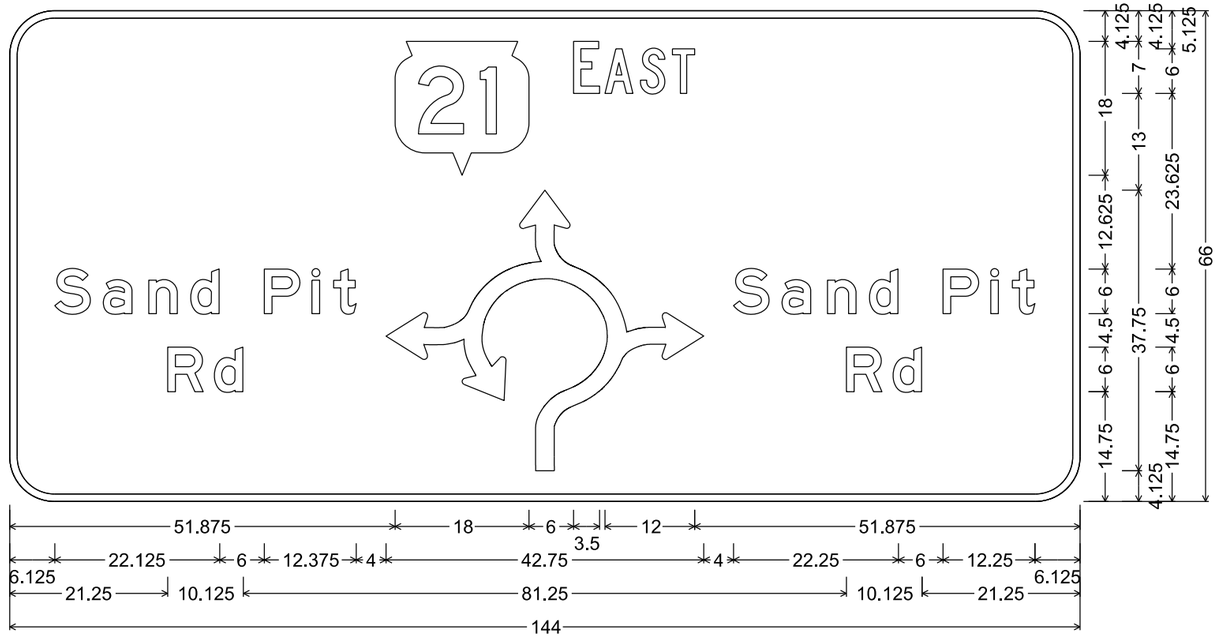
D1-67; 2.250" Radius, 0.750" Border
"WEST", C

NOTES

1. All Signs Type II - Type H Reflective
2. Color:
   Background - Green
   Message - White
3. Message Series - E or as noted



D1-62; 6.000" Radius, 1.000" Border
"WEST", C



D1-62; 6.000" Radius, 1.000" Border
"EAST", C

7

7

PROJECT NO: 6180-30-73	HWY: STH 21	COUNTY: WINNEBAGO	PERMANENT SIGNING	SHEET NO: 546	E

EARTHWORK - CTH FF NB NORTH LEG

STATION	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT NOTE 1	SALVAGED/UNUSABLE PAVEMENT MATERIAL NOTE 2	FILL NOTE 3	CUT 1.00 NOTE 1	EXPANDED FILL 1.25	MASS ORDINATE NOTE 8
513+75	235.58	5.50	65.26	0	0	0	0	0	0
514+00	202.31	5.50	42.06	203	5	50	203	63	136
514+25	171.49	5.50	37.85	173	5	37	376	109	257
514+50	241.05	5.50	26.30	191	5	30	567	146	406
514+79	282.76	5.50	7.51	281	6	18	848	169	658
515+00	270.95	5.50	0.55	215	4	3	1,063	173	866
515+50	261.81	5.50	0.22	493	10	1	1,556	174	1,347
515+73	230.28	5.50	0.00	210	5	0	1,766	174	1,552
516+00	174.58	5.50	0.00	202	6	0	1,968	174	1,748
516+27	216.83	5.50	0.00	196	6	0	2,164	174	1,938
516+50	231.10	5.50	0.90	191	5	0	2,355	174	2,124
516+75	109.66	5.50	4.30	158	5	2	2,513	176	2,275
517+00	126.33	5.50	12.43	109	5	8	2,622	186	2,369
517+50	67.45	5.50	14.07	179	10	25	2,801	218	2,507
518+00	52.36	5.50	13.27	111	10	25	2,912	249	2,576
518+50	50.50	5.50	7.01	95	10	19	3,007	273	2,638
519+00	66.40	5.50	3.24	108	10	9	3,115	284	2,724
519+50	99.24	5.50	0.62	153	10	4	3,268	289	2,862
520+00	73.89	5.50	0.01	160	10	1	3,428	290	3,011
520+50	46.44	5.50	0.07	111	10	0	3,539	290	3,112

EARTHWORK - CTH FF NB SOUTH LEG

STATION	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT NOTE 1	SALVAGED/UNUSABLE PAVEMENT MATERIAL NOTE 2	FILL NOTE 3	CUT 1.00 NOTE 1	EXPANDED FILL 1.25	MASS ORDINATE NOTE 8
505+50	56.59	5.50	14.17	0	0	0	0	0	0
506+00	90.74	5.50	5.66	136	10	18	136	23	104
506+50	86.37	5.50	6.83	164	10	12	300	38	243
507+00	76.55	5.50	9.78	151	10	15	451	56	365
507+50	64.35	5.50	13.11	130	10	21	581	83	459
507+83	76.23	5.50	9.75	86	7	14	667	100	520
508+00	64.79	5.50	11.98	44	3	7	711	109	552
508+50	84.50	5.50	6.56	138	10	17	849	130	659
509+00	182.42	5.50	6.67	247	10	12	1,096	145	881
509+50	192.53	5.50	6.62	347	10	12	1,443	160	1,203
510+00	161.72	5.50	13.67	328	10	19	1,771	184	1,497
510+50	138.81	5.50	16.63	278	10	28	2,049	219	1,730
511+00	139.22	5.50	8.07	257	10	23	2,306	248	1,949
511+31	195.41	5.50	0.00	192	6	5	2,498	254	2,128
511+50	74.87	5.50	20.67	95	4	7	2,593	263	2,211
511+75	86.25	5.50	18.61	75	5	18	2,668	285	2,258
512+00	131.69	5.50	6.70	101	5	12	2,769	300	2,339

EARTHWORK - CTH FF SB NORTH LEG

STATION	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT NOTE 1	SALVAGED/UNUSABLE PAVEMENT MATERIAL NOTE 2	FILL NOTE 3	CUT 1.00 NOTE 1	EXPANDED FILL 1.25	MASS ORDINATE NOTE 8
613+75	70.20	5.50	12.80	0	0	0	0	0	0
614+00	73.33	5.50	7.77	66	5	10	66	13	49
614+25	68.75	5.50	6.63	66	5	7	132	21	101

EARTHWORK - CTH FF SB SOUTH LEG

STATION	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT NOTE 1	SALVAGED/UNUSABLE PAVEMENT MATERIAL NOTE 2	FILL NOTE 3	CUT 1.00 NOTE 1	EXPANDED FILL 1.25	MASS ORDINATE NOTE 8
611+50	68.16	5.50	32.60	0	0	0	0	0	0
611+75	70.61	5.50	29.07	64	5	29	64	36	23
612+00	70.16	5.50	15.45	65	5	21	129	63	57

EARTHWORK - STH 21 EB EAST LEG

STATION	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT NOTE 1	SALVAGED/UNUSABLE PAVEMENT MATERIAL NOTE 2	FILL NOTE 3	CUT 1.00 NOTE 1	EXPANDED FILL 1.25	MASS ORDINATE NOTE 8
202+50	142.85	18.00	23.42	0	0	0	0	0	0
202+75	115.43	18.00	41.56	120	17	30	120	38	66
203+00	117.93	18.00	51.41	108	17	43	228	91	103
203+50	130.75	18.00	32.14	230	33	77	458	188	204
204+00	157.35	18.00	39.99	267	33	67	725	271	354
204+50	142.29	18.00	11.66	277	33	48	1,002	331	538
205+00	136.07	18.00	5.77	258	33	16	1,260	351	743
205+50	130.64	18.00	3.03	247	33	8	1,507	361	947
206+00	125.53	18.00	0.50	237	33	3	1,744	365	1,147
206+50	115.35	18.00	0.24	223	33	1	1,967	366	1,336
207+00	111.17	18.00	0.00	210	33	0	2,177	366	1,513
207+50	147.94	18.00	24.99	240	33	23	2,417	395	1,691
208+00	141.60	18.00	5.26	268	33	28	2,685	430	1,891
208+50	137.37	18.00	2.47	258	33	7	2,943	439	2,107
209+00	134.10	18.00	1.68	251	33	4	3,194	444	2,320
209+50	129.06	18.00	0.00	244	33	2	3,438	446	2,529
210+00	126.94	18.00	0.00	237	33	0	3,675	446	2,733

EARTHWORK - STH 21 EB WEST LEG

STATION	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT NOTE 1	SALVAGED/UNUSABLE PAVEMENT MATERIAL NOTE 2	FILL NOTE 3	CUT 1.00 NOTE 1	EXPANDED FILL 1.25	MASS ORDINATE NOTE 8
193+00	128.09	18.00	0.00	0	0	0	0	0	0
193+50	127.75	18.00	0.00	237	33	0	237	0	204
194+00	129.81	18.00	0.00	238	33	0	475	0	409
194+50	128.94	18.00	1.27	240	33	1	715	1	615
195+00	154.23	18.00	8.66	262	33	9	977	13	833
195+50	177.99	18.00	10.72	308	33	18	1,285	35	1,085
196+00	199.79	18.00	11.47	350	33	21	1,635	61	1,376
196+50	225.75	18.00	15.05	394	33	25	2,029	93	1,706
197+00	255.62	18.00	14.95	446	33	28	2,475	128	2,084
197+50	291.07	18.00	11.63	506	33	25	2,981	159	2,525
198+00	336.38	18.00	4.31	581	33	15	3,562	178	3,055
198+31	247.07	18.00	0.00	335	21	2	3,897	180	3,366
198+50	395.09	18.00	0.00	226	13	0	4,123	180	3,579
198+77	415.04	18.00	3.10	405	18	2	4,528	183	3,964
199+00	371.03	18.00	28.93	335	15	14	4,863	200	4,266
199+50	339.19	18.00	41.10	658	33	65	5,521	281	4,810
200+00	119.68	18.00	12.20	425	33	49	5,946	343	5,141
200+25	134.61	18.00	17.11	118	17	14	6,064	360	5,224
200+50	138.89	18.00	19.38	127	17	17	6,191	381	5,313
200+75	114.96	18.00	21.90	118	17	19	6,309	405	5,390

EARTHWORK - STH 21 WB EAST LEG

STATION	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT NOTE 1	SALVAGED/UNUSABLE PAVEMENT MATERIAL NOTE 2	FILL NOTE 3	CUT 1.00 NOTE 1	EXPANDED FILL 1.25	MASS ORDINATE NOTE 8
407+00	176.94	18.00	40.76	0	0	0	0	0	0
407+50	136.58	18.00	13.75	290	33	50	290	63	195
408+00	113.71	18.00	0.00	232	33	13	522	79	377
408+50	113.79	18.00	46.12	211	33	43	733	133	502
409+00	114.64	18.00	74.31	212	33	112	945	273	541
409+50	112.33	18.00	87.29	210	33	150	1,155	460	530
410+00	105.24	18.00	89.41	201	33	164	1,356	665	493
410+50	93.45	18.00	93.49	184	33	169	1,540	876	433
411+00	72.90	18.00	76.23	154	33	157	1,694	1,073	358
411+50	63.24	18.00	52.90	126	33	120	1,820	1,223	301

EARTHWORK - STH 21 WB WEST LEG

STATION	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT NOTE 1	SALVAGED/UNUSABLE PAVEMENT MATERIAL NOTE 2	FILL NOTE 3	CUT 1.00 NOTE 1	EXPANDED FILL 1.25	MASS ORDINATE NOTE 8
404+50	85.62	18.00	26.90	0	0	0	0	0	0
404+75	87.14	18.00	22.65	80	17	23	80	29	34
405+00	93.76	18.00	13.65	84	17	17	164	50	80

Notes:

1 - CUT	CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL	
2 - SALVAGED/UNUSABLE PAVEMENT MATERIAL	THIS DOES NOT SHOW UP IN CROSS SECTIONS	
3 - FILL	DOES NOT INCLUDE UNUSABLE PAVEMENT EXC VOLUME	
	IF MARSH OR EBS TO BE BACKFILLED WITH COMMON OR BORROW: [(CUT - SALVAGED PAVT - EXPANDED MARSH EXC - EXPANDED EBS) - ((FILL - REDUCED MARSH IN FILL - REDUCED EBS IN	
8 - MASS ORDINATE	FILL - EXPANDED ROCK) * FILL FACTOR)]	NOTE 8 - SELECT ONE BASED ON MASS HAUL INPUT DIALOG SELECTION. EBS AND MARSH EXC USED OUTSIDE 1:1 IN FILL SLOPES

EARTHWORK - SANDPIT NB SOUTH LEG

STATION	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT NOTE 1	SALVAGED/UNUSABLE PAVEMENT MATERIAL NOTE 2	FILL NOTE 3	CUT 1.00 NOTE 1	EXPANDED FILL 1.25	MASS ORDINATE NOTE 8
600+00.26	38.77	5.50	0.06	0	0	0	0	0	0
600+50	77.82	5.50	0.00	107	10	0	107	0	97
601+00	77.11	5.50	0.00	143	10	0	250	0	230
601+50	66.81	5.50	0.36	133	10	0	383	0	353
602+00	77.47	5.50	0.00	134	10	0	517	0	477
602+50	109.38	5.50	0.00	173	10	0	690	0	640
603+00	125.99	5.50	0.00	218	10	0	908	0	848
603+50	132.08	5.50	17.47	239	10	16	1,147	20	1,057
604+00	168.70	5.50	62.15	278	10	74	1,425	113	1,233
604+25	143.84	5.50	72.90	145	5	63	1,570	191	1,294
604+50	173.22	5.50	97.88	147	5	79	1,717	290	1,337

EARTHWORK - SANDPIT NB NORTH LEG

STATION	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT NOTE 1	SALVAGED/UNUSABLE PAVEMENT MATERIAL NOTE 2	FILL NOTE 3	CUT 1.00 NOTE 1	EXPANDED FILL 1.25	MASS ORDINATE NOTE 8
606+25	114.83	5.50	161.41	0	0	0	0	0	0
606+50	86.72	5.50	129.02	93	5	134	93	168	-80
606+75	86.29	5.50	79.00	80	5	96	173	288	-125
607+00	96.34	5.50	31.83	85	5	51	258	351	-108
607+50	144.99	5.50	3.75	223	10	33	481	393	64
608+00	149.09	5.50	0.86	272	10	4	753	398	321
608+50	106.53	5.50	13.29	237	10	13	990	414	531
609+00	114.92	5.50	0.39	205	10	13	1,195	430	710
609+50	135.99	5.50	0.58	232	10	1	1,427	431	931
610+00	62.36	5.50	1.70	184	10	2	1,611	434	1,102
610+50	60.59	5.50	1.51	114	10	3	1,725	438	1,203
611+00	58.35	5.50	1.19	110	10	2	1,835	440	1,300
611+50	54.02	5.50	2.15	104	10	3	1,939	444	1,390
612+00	47.77	5.50	3.41	94	10	5	2,033	450	1,468
612+50	51.56	5.50	5.48	92	10	8	2,125	460	1,540
612+84	49.63	5.50	0.74	64	7	4	2,189	465	1,592

EARTHWORK - SANDPIT SB SOUTH LEG

STATION	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT NOTE 1	SALVAGED/UNUSABLE PAVEMENT MATERIAL NOTE 2	FILL NOTE 3	CUT 1.00 NOTE 1	EXPANDED FILL 1.25	MASS ORDINATE NOTE 8
804+00	40.66	5.50	27.51	0	0	0	0	0	0
804+25	27.78	5.50	72.59	32	5	46	32	58	-31
804+50	26.56	5.50	76.54	25	5	69	57	144	-97

EARTHWORK - SANDPIT SB NORTH LEG

STATION	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT NOTE 1	SALVAGED/UNUSABLE PAVEMENT MATERIAL NOTE 2	FILL NOTE 3	CUT 1.00 NOTE 1	EXPANDED FILL 1.25	MASS ORDINATE NOTE 8
806+25	62.51	5.50	57.36	0	0	0	0	0	0
806+50	68.28	5.50	54.42	61	5	52	61	65	-9
806+75	61.95	5.50	40.02	60	5	44	121	120	-9
807+00	46.72	5.50	16.35	50	5	26	171	153	4

EARTHWORK - STH 21 EB WEST LEG

STATION	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT NOTE 1	SALVAGED/UNUSABLE PAVEMENT MATERIAL NOTE 2	FILL NOTE 3	CUT 1.00 NOTE 1	EXPANDED FILL 1.25	MASS ORDINATE NOTE 8
358+00	83.03	18.00	49.47	0	0	0	0	0	0
358+25	80.80	18.00	79.70	76	17	60	76	75	-16
358+50	82.87	18.00	79.84	76	17	74	152	168	-50

EARTHWORK - STH 21 EB EAST LEG

STATION	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT NOTE 1	SALVAGED/UNUSABLE PAVEMENT MATERIAL NOTE 2	FILL NOTE 3	CUT 1.00 NOTE 1	EXPANDED FILL 1.25	MASS ORDINATE NOTE 8
256+00	265.06	18.00	97.23	0	0	0	0	0	0
256+24.998	220.72	18.00	86.35	225	17	85	225	106	102
256+32.802	221.91	18.00	85.88	64	5	25	289	138	130
256+50	185.91	18.00	79.08	130	11	53	419	204	182
257+00	145.67	18.00	23.40	307	33	95	726	323	338
257+50	114.31	18.00	3.70	241	33	25	967	354	514
258+00	94.38	18.00	0.38	193	33	4	1,160	359	669
258+50	99.84	18.00	0.00	180	33	0	1,340	359	816
259+00	101.39	18.00	0.00	186	33	0	1,526	359	969
259+50	93.74	18.00	0.00	181	33	0	1,707	359	1,117
260+00	170.80	18.00	6.69	245	33	6	1,952	366	1,322
260+50	155.06	18.00	1.55	302	33	8	2,254	376	1,581
261+00	131.54	18.00	1.64	265	33	3	2,519	380	1,809
261+31	135.92	18.00	0.85	154	21	1	2,673	381	1,941
261+50	127.88	18.00	4.57	93	13	2	2,766	384	2,018
262+00	121.17	18.00	0.00	231	33	4	2,997	389	2,211
262+50	120.29	18.00	0.00	224	33	0	3,221	389	2,402
263+00	122.31	18.00	0.00	225	33	0	3,446	389	2,594
263+41	118.79	18.00	0.00	183	27	0	3,629	389	2,750

EARTHWORK - STH 21 WB WEST LEG

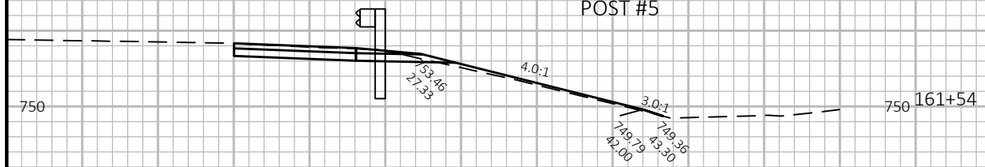
STATION	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT NOTE 1	SALVAGED/UNUSABLE PAVEMENT MATERIAL NOTE 2	FILL NOTE 3	CUT 1.00 NOTE 1	EXPANDED FILL 1.25	MASS ORDINATE NOTE 8
358+00	83.03	18.00	49.47	0	0	0	0	0	0
358+25	80.80	18.00	79.70	76	17	60	76	75	-16
358+50	82.87	18.00	79.84	76	17	74	152	168	-50

EARTHWORK - STH 21 WB EAST LEG

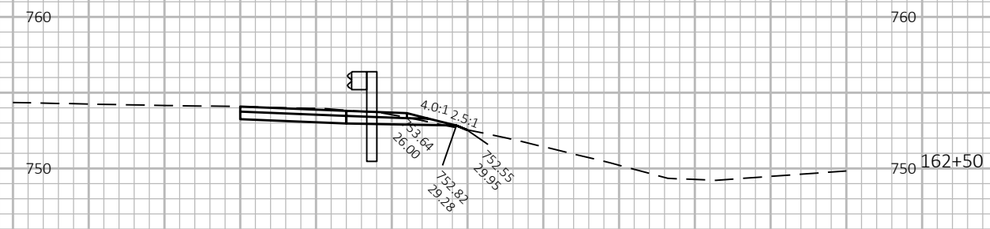
STATION	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT NOTE 1	SALVAGED/UNUSABLE PAVEMENT MATERIAL NOTE 2	FILL NOTE 3	CUT 1.00 NOTE 1	EXPANDED FILL 1.25	MASS ORDINATE NOTE 8
360+25	161.28	18.00	102.99	0	0	0	0	0	0
360+50	131.82	18.00	91.96	136	17	90	136	113	7
360+70.231	92.87	18.00	110.07	84	13	76	220	208	-18
360+75	91.34	18.00	111.01	16	3	20	236	233	-30
361+00	68.41	18.00	51.97	74	17	75	310	326	-66
361+50	40.89	18.00	70.34	101	33	113	411	468	-140
362+00	20.56	18.00	90.91	57	33	149	468	654	-302
362+50	15.41	18.00	78.62	33	33	157	501	850	-498
363+00	24.11	18.00	49.75	37	33	119	538	999	-643
363+50	35.64	18.00	20.55	55	33	65	593	1,080	-702
364+00	72.14	18.00	8.58	100	33	27	693	1,114	-669

Notes:		
1 - CUT	CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL	
2 - SALVAGED/UNUSABLE PAVEMENT MATERIAL	THIS DOES NOT SHOW UP IN CROSS SECTIONS	
3 - FILL	DOES NOT INCLUDE UNUSABLE PAVEMENT EXC VOLUME	
8 - MASS ORDINATE	IF MARSH OR EBS TO BE BACKFILLED WITH COMMON OR BORROW: [(CUT - SALVAGED PAVT - EXPANDED MARSH EXC - EXPANDED EBS) - ((FILL - REDUCED MARSH IN FILL - REDUCED EBS IN FILL - EXPANDED ROCK) * FILL FACTOR)]	NOTE 8 - SELECT ONE BASED ON MASS HAUL INPUT DIALOG SELECTION. EBS AND MARSH EXC USED OUTSIDE 1:1 IN FILL SLOPES

POST #5

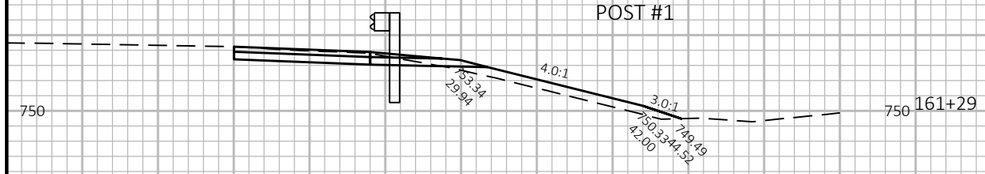


161+54

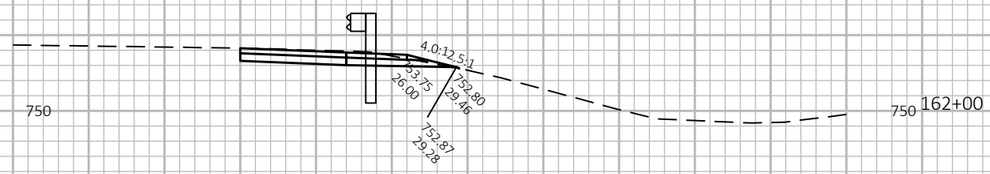


162+50

POST #1

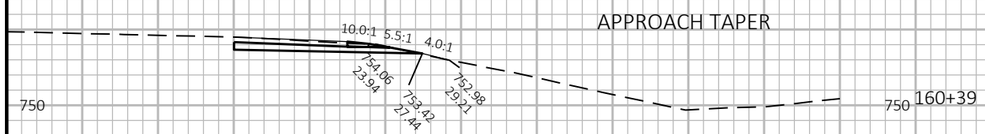


161+29



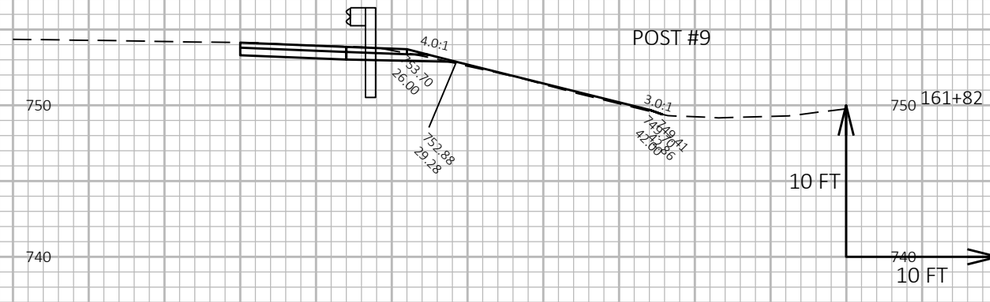
162+00

APPROACH TAPER



160+39

POST #9



161+82

9

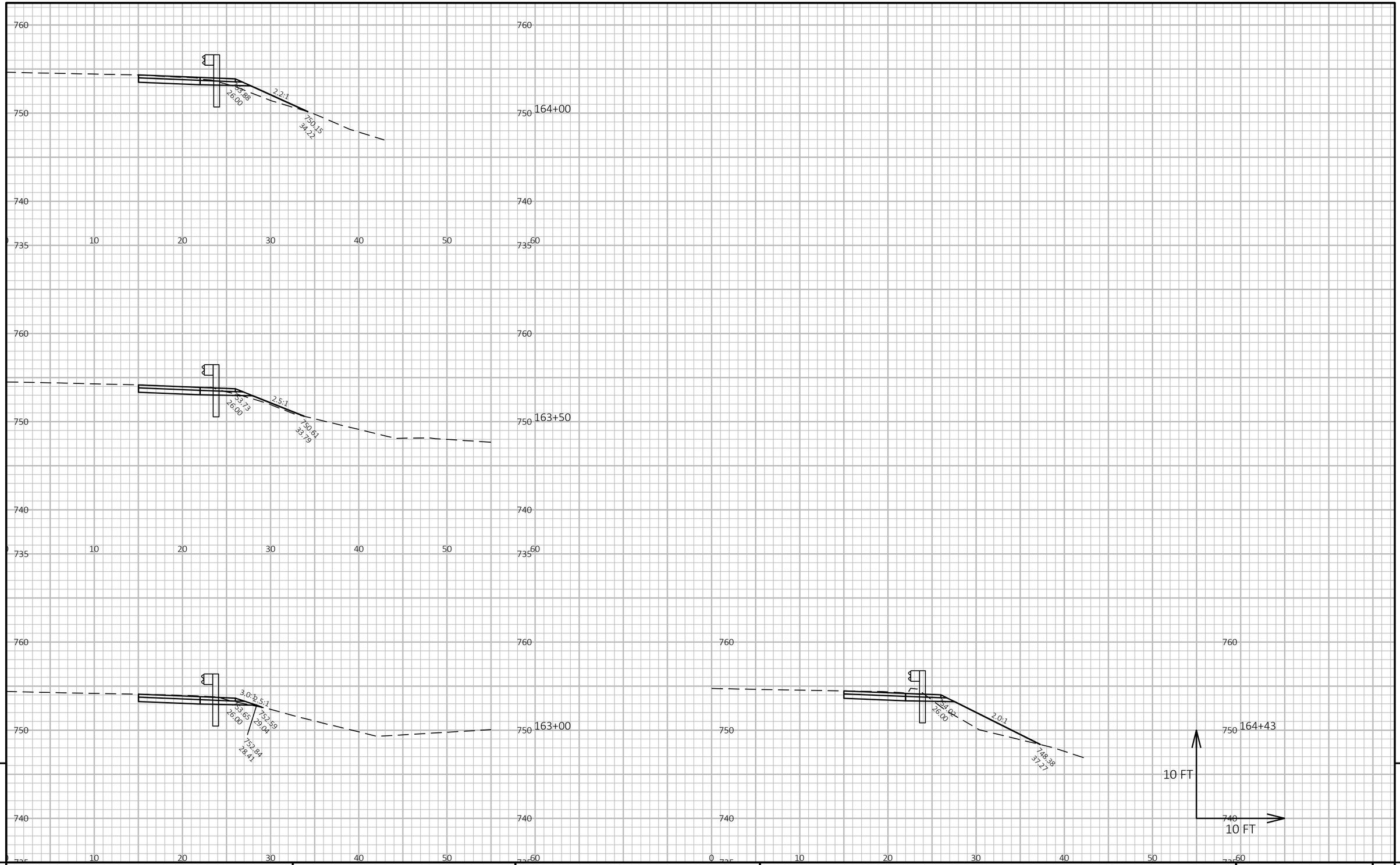
9

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	CROSS SECTIONS: SPRING BROOK BEAM GUARD - SOUTHWEST QUADRANT	SHEET 553	E

FILE NAME : N:\PDS\C3D\61803000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - SW Quad - 01

PLOT DATE : 7/25/2025 6:55 AM PLOT BY : BALDERAS-RUEDEN, ANN PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	CROSS SECTIONS: SPRING BROOK BEAM GUARD - SOUTHWEST QUADRANT	SHEET 554	E

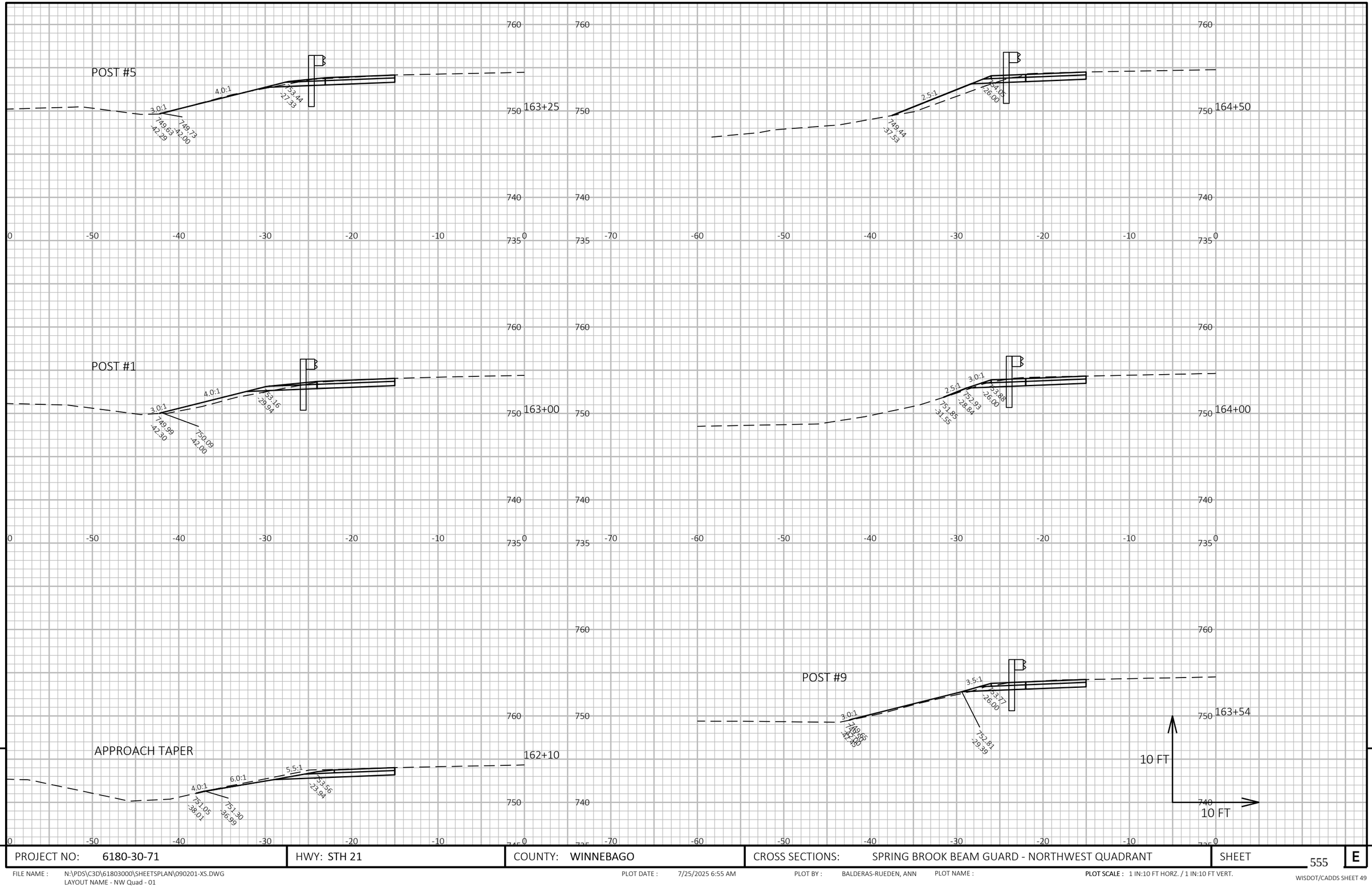
FILE NAME : N:\PDS\C3D\61803000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - SW Quad - 02

PLOT DATE : 7/25/2025 6:55 AM

PLOT BY : BALDERAS-RUEDEN, ANN

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



9

9

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	CROSS SECTIONS: SPRING BROOK BEAM GUARD - NORTHWEST QUADRANT	SHEET 555	E

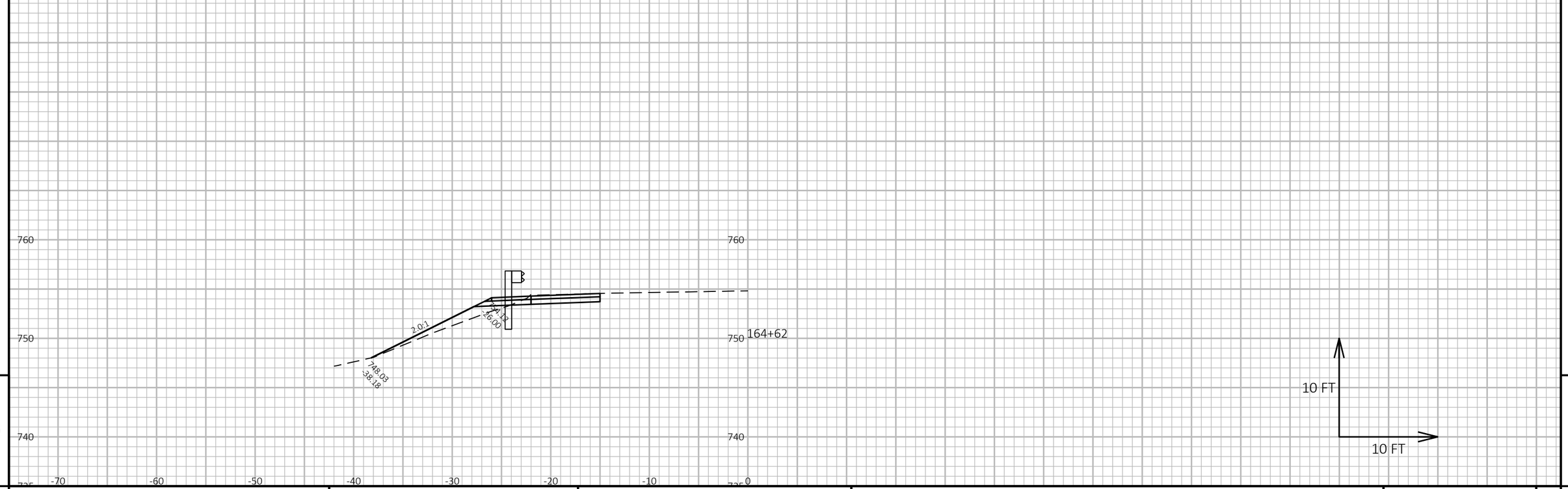
FILE NAME : N:\PDS\C3D\61803000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - NW Quad - 01

PLOT DATE : 7/25/2025 6:55 AM

PLOT BY : BALDERAS-RUEDEN, ANN

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



9

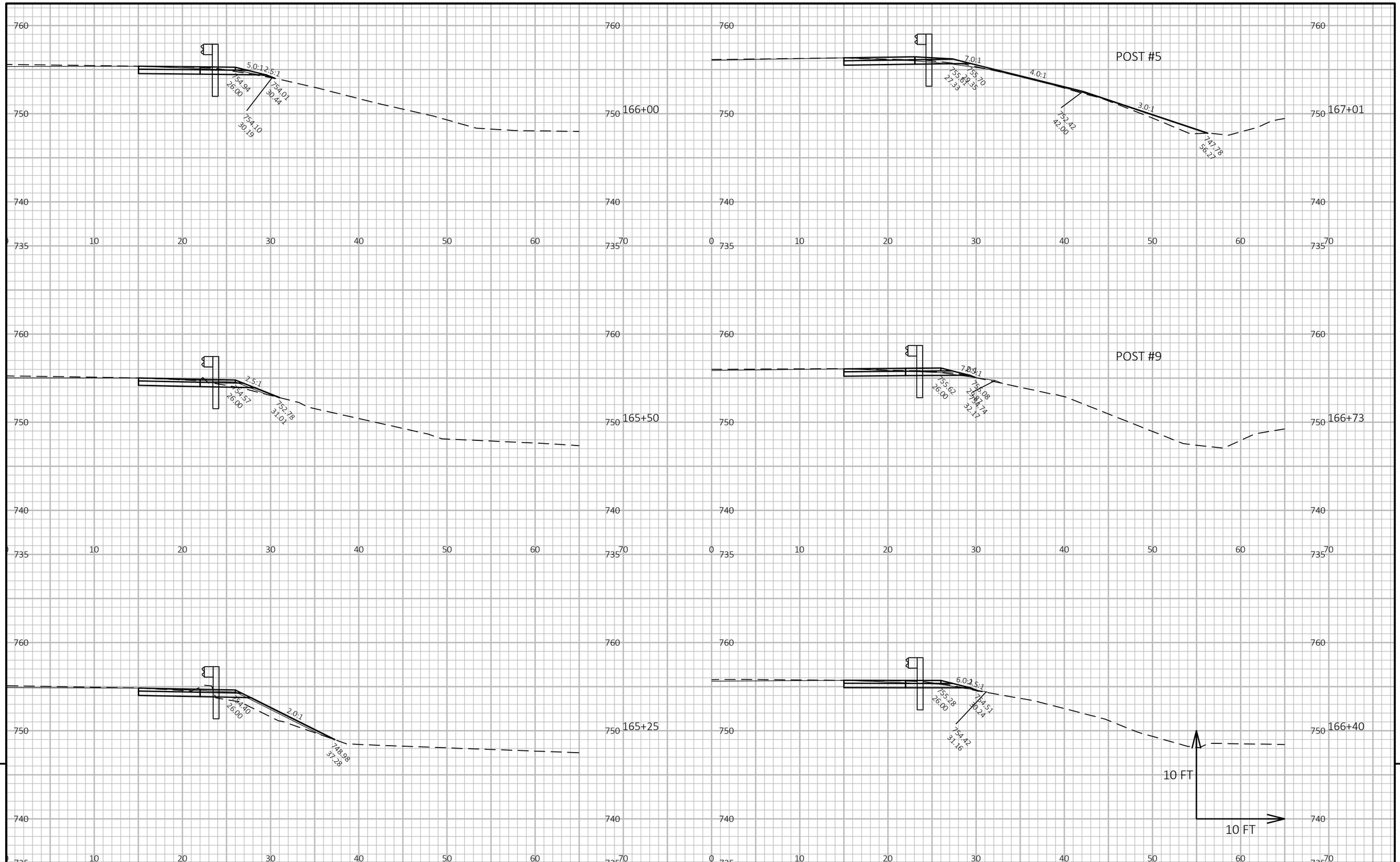
9

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	CROSS SECTIONS: SPRING BROOK BEAM GUARD - NORTHWEST QUADRANT	SHEET 556	E

FILE NAME : N:\PDS\C3D\61803000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - NW Quad - 02

PLOT DATE : 7/25/2025 6:55 AM PLOT BY : BALDERAS-RUEDEN, ANN PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	CROSS SECTIONS: SPRING BROOK BEAM GUARD - SOUTHEAST QUADRANT	SHEET 557	E

FILE NAME : N:\PDS\C3D\61803000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - SE Quad - 01

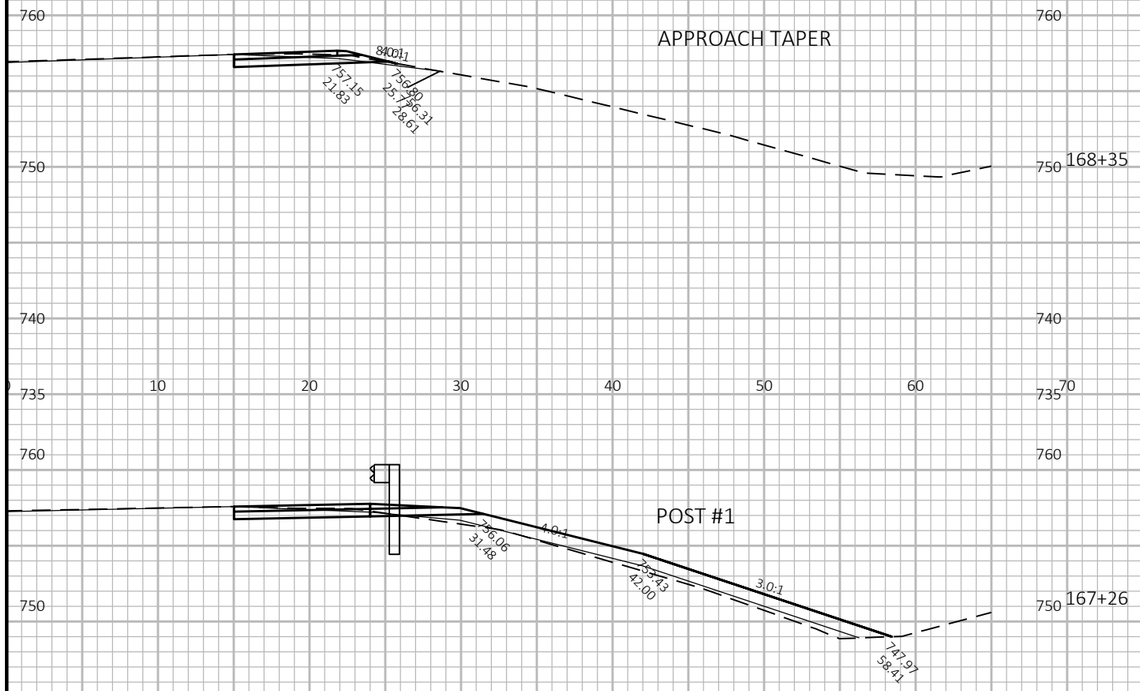
PLOT DATE : 7/25/2025 6:55 AM

PLOT BY : BALDERAS-RUEDEN, ANN

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	CROSS SECTIONS: SPRING BROOK BEAM GUARD - SOUTHEAST QUADRANT	SHEET 558	E

FILE NAME : N:\PDS\C3D\61803000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - SE Quad - 02

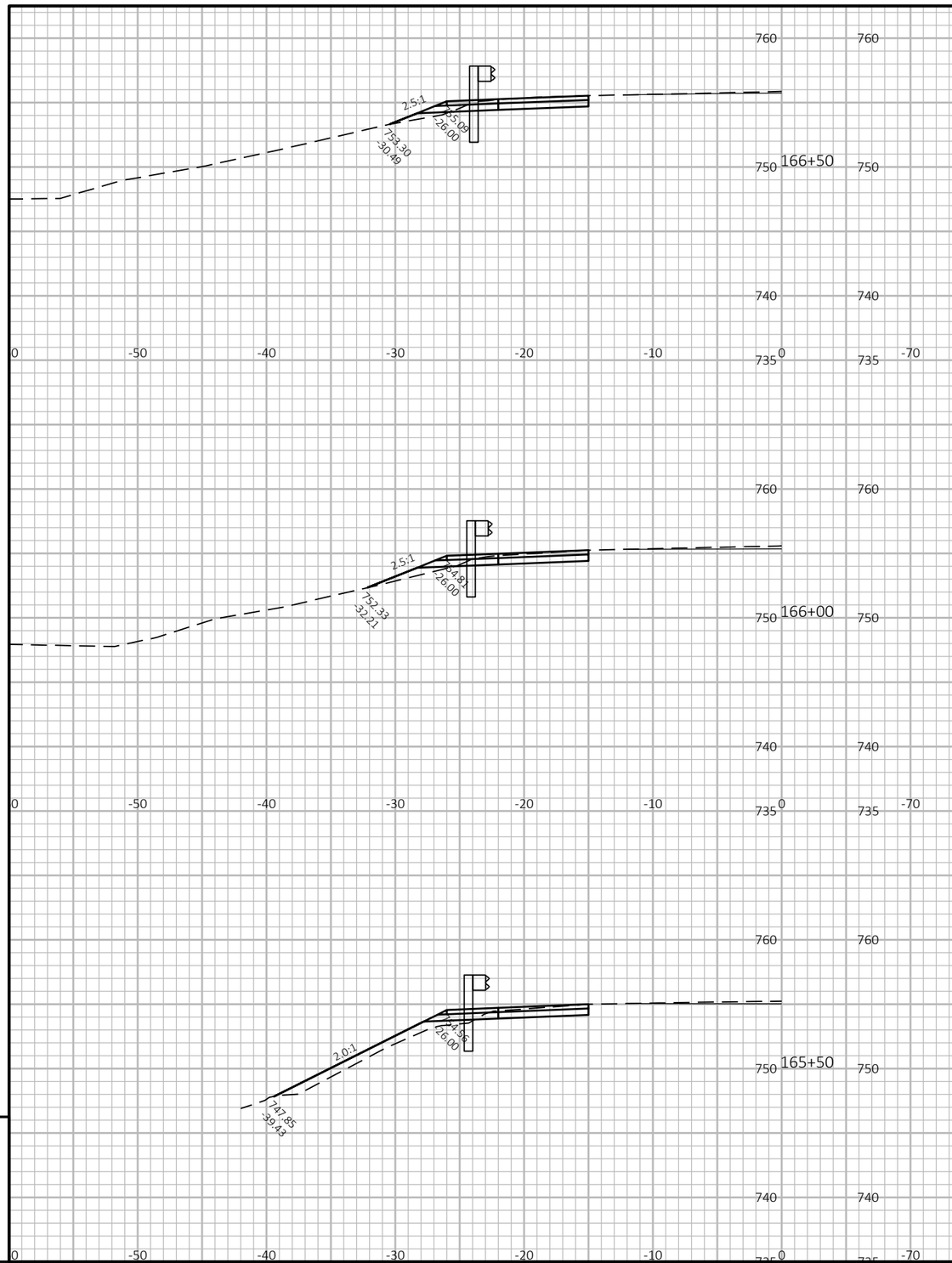
PLOT DATE : 7/25/2025 6:55 AM

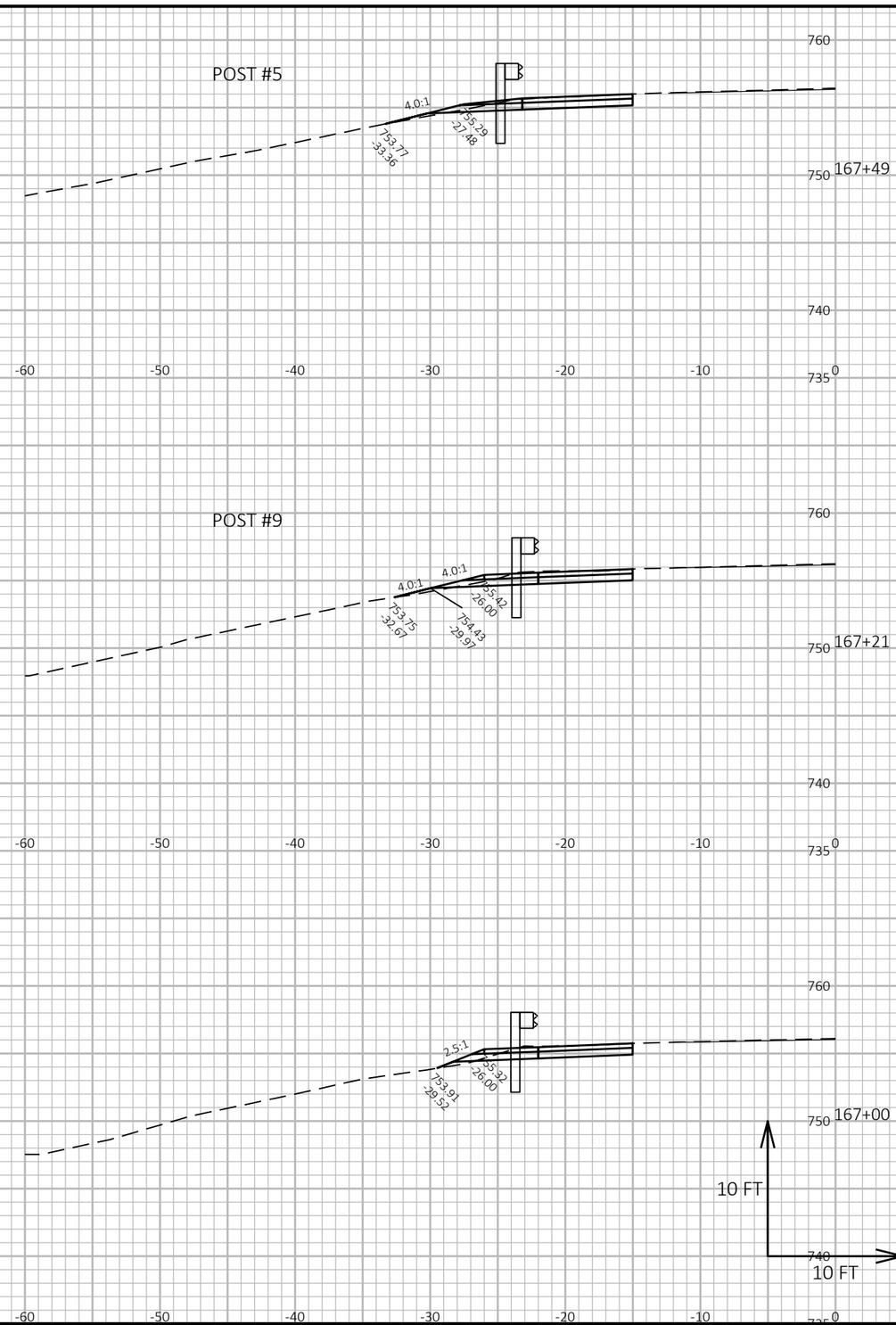
PLOT BY : BALDERAS-RUEDEN, ANN

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49





9

9

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	CROSS SECTIONS: SPRING BROOK BEAM GUARD - NORTHEAST QUADRANT	SHEET 559	E

FILE NAME : N:\PDS\C3D\61803000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - NE Quad - 01

PLOT DATE : 7/25/2025 6:55 AM PLOT BY : BALDERAS-RUEDEN, ANN PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

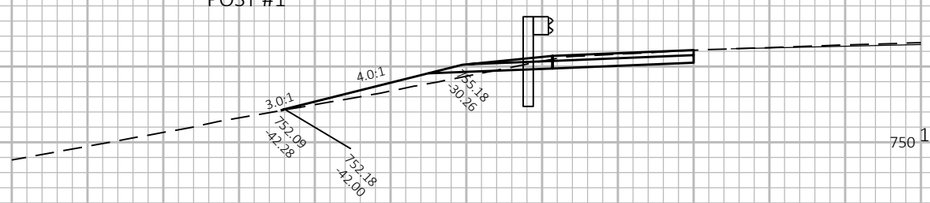
APPROACH TAPER



760 168+76 750

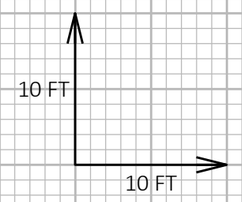
740 735 -70 -60 -50 -40 -30 -20 -10 0

POST #1



760 167+74 750

740 735 -70 -60 -50 -40 -30 -20 -10 0



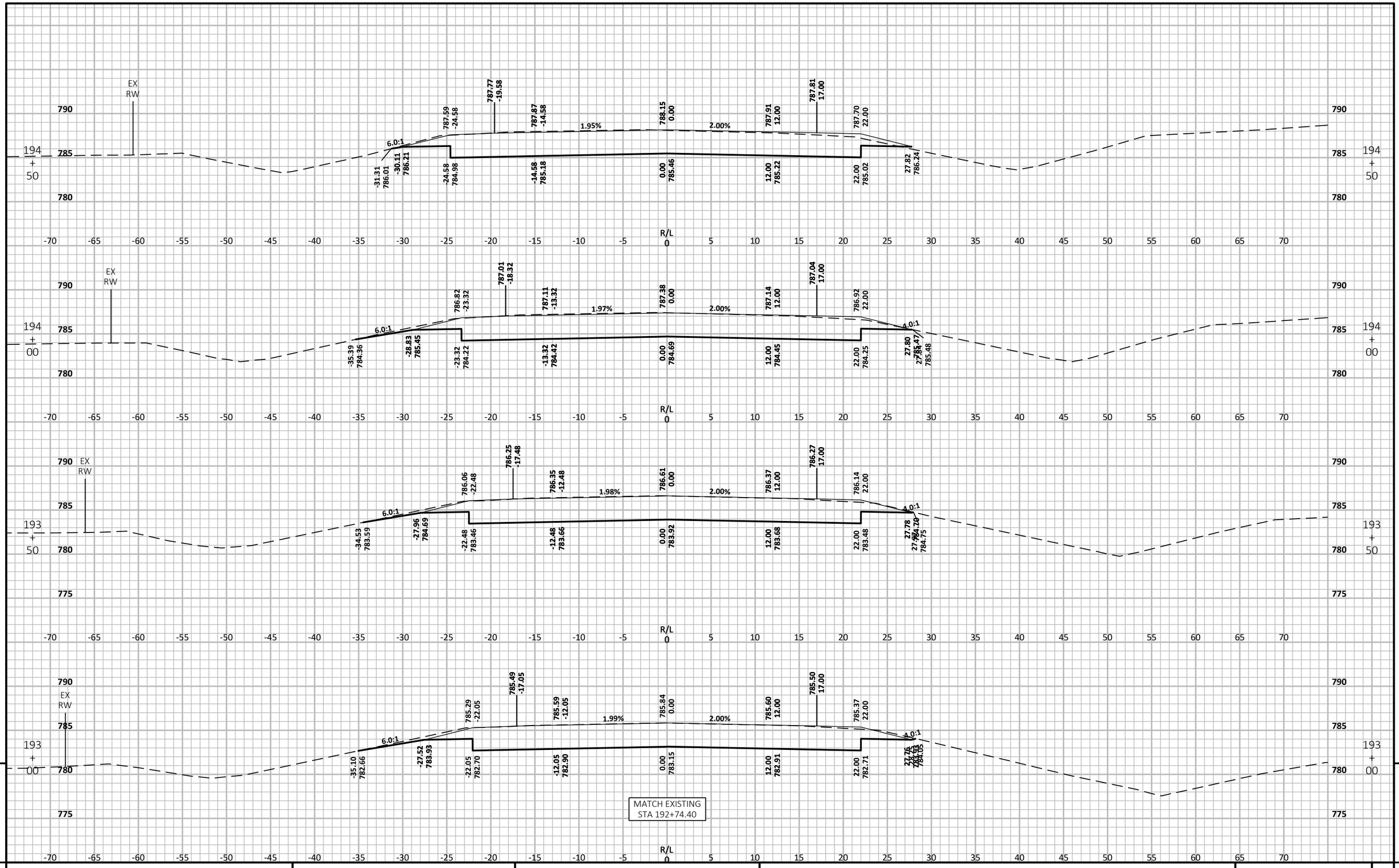
9 9

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	CROSS SECTIONS: SPRING BROOK BEAM GUARD - NORTHEAST QUADRANT	SHEET 560	E

FILE NAME : N:\PDS\C3D\61803000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - NE Quad - 02

PLOT DATE : 7/25/2025 6:55 AM PLOT BY : BALDERAS-RUEDEN, ANN PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 6180-30-72	HWY: STH 21	COUNTY: WINNEBAGO	CROSS SECTIONS: STH 21 EB WEST (CTH FF)	SHEET 561	E

FILE NAME : N:\3001091.00\CIVIL 3D\SHEETSPLAN\61803071-090200-XS.DWG
LAYOUT NAME - 61803071-090201-xs

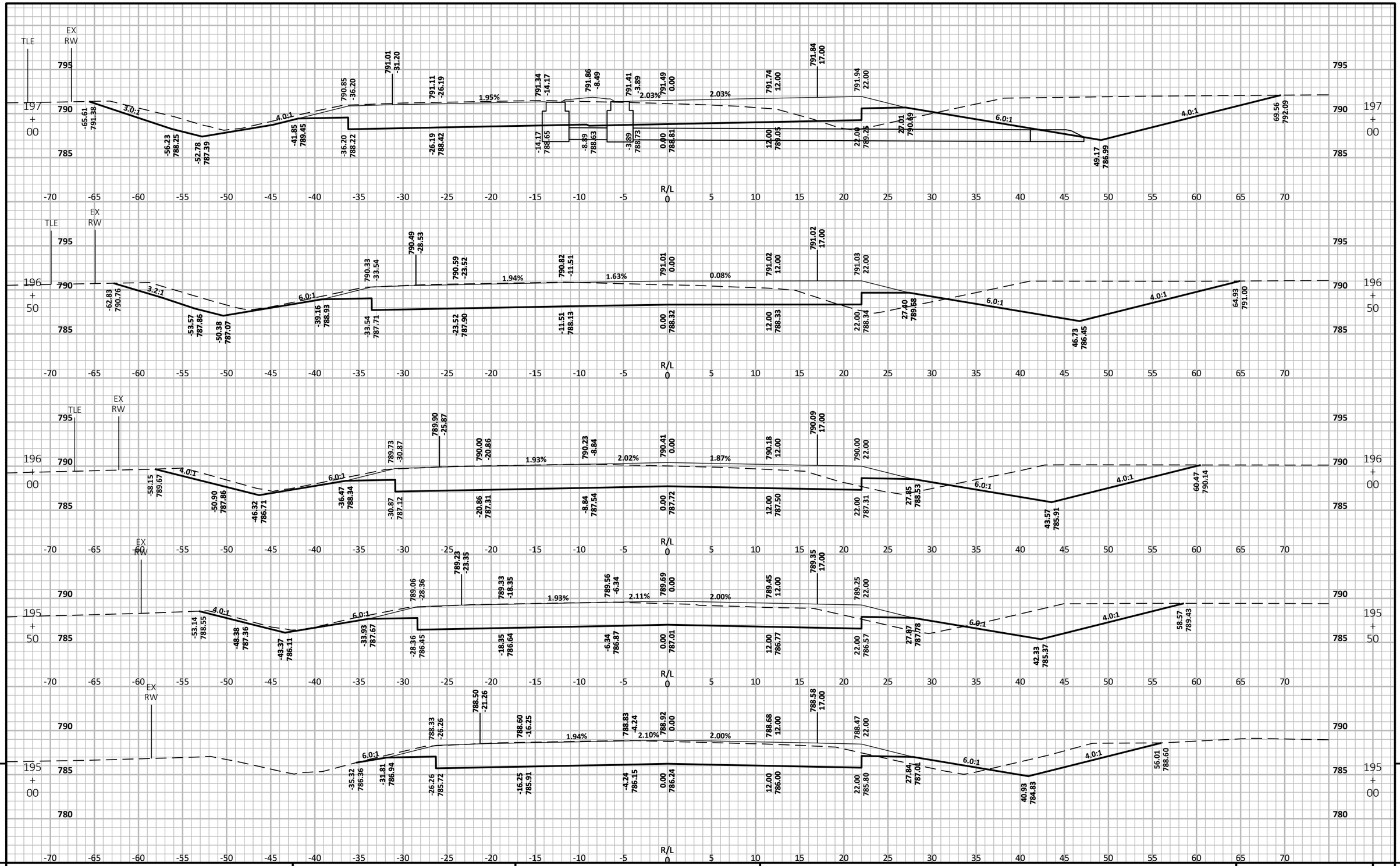
PLOT DATE : 7/16/2025 9:38 AM

PLOT BY : MATT TOMSOVIC

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



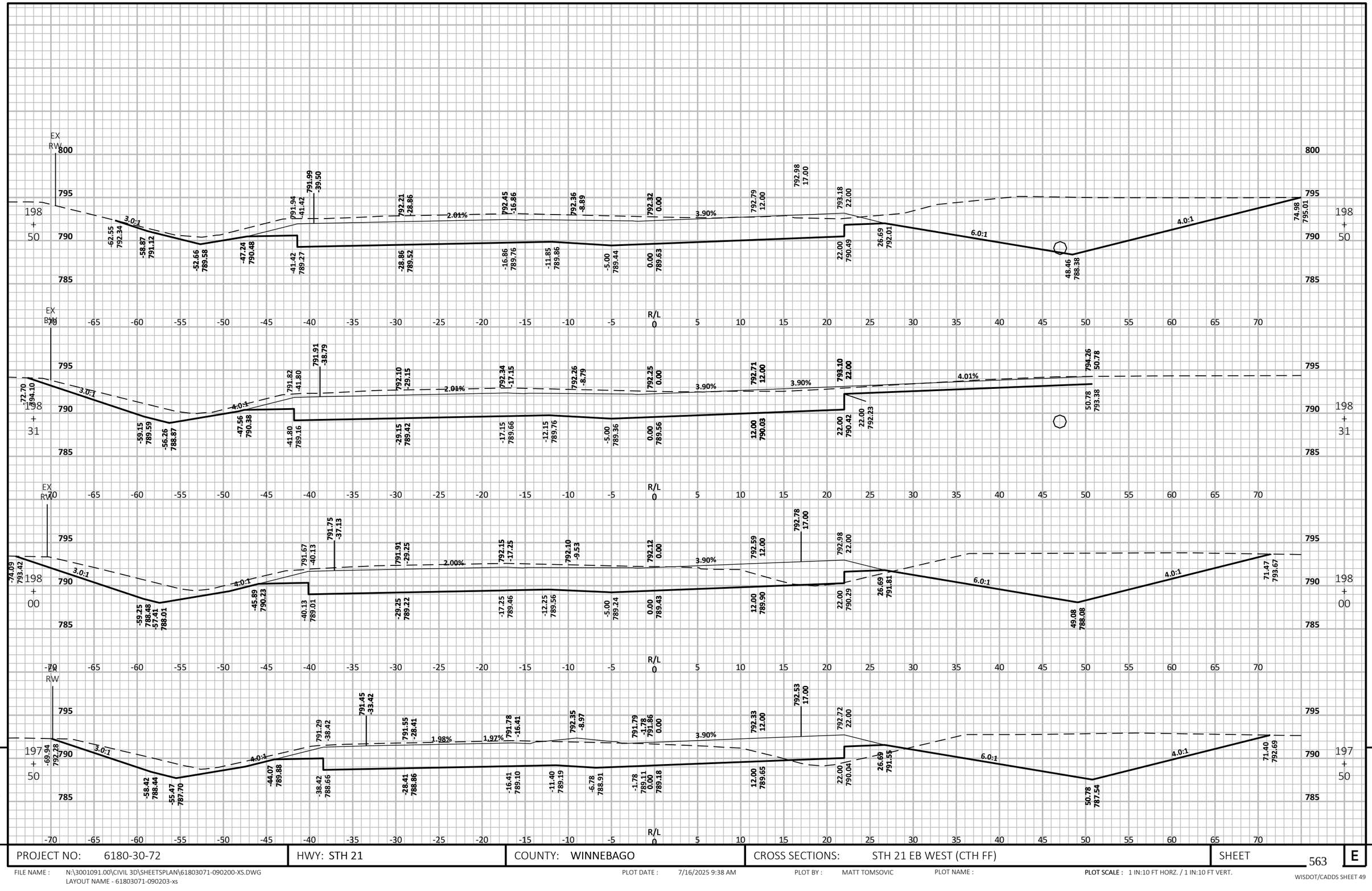
9

PROJECT NO: 6180-30-72	HWY: STH 21	COUNTY: WINNEBAGO	CROSS SECTIONS: STH 21 EB WEST (CTH FF)	SHEET 562	E

FILE NAME : N:\3001091.00\CIVIL 3D\SHEETSPLAN\61803071-090200-XS.DWG
LAYOUT NAME - 61803071-090202-xs

PLOT DATE : 7/16/2025 9:38 AM PLOT BY : MATT TOMSOVIC PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

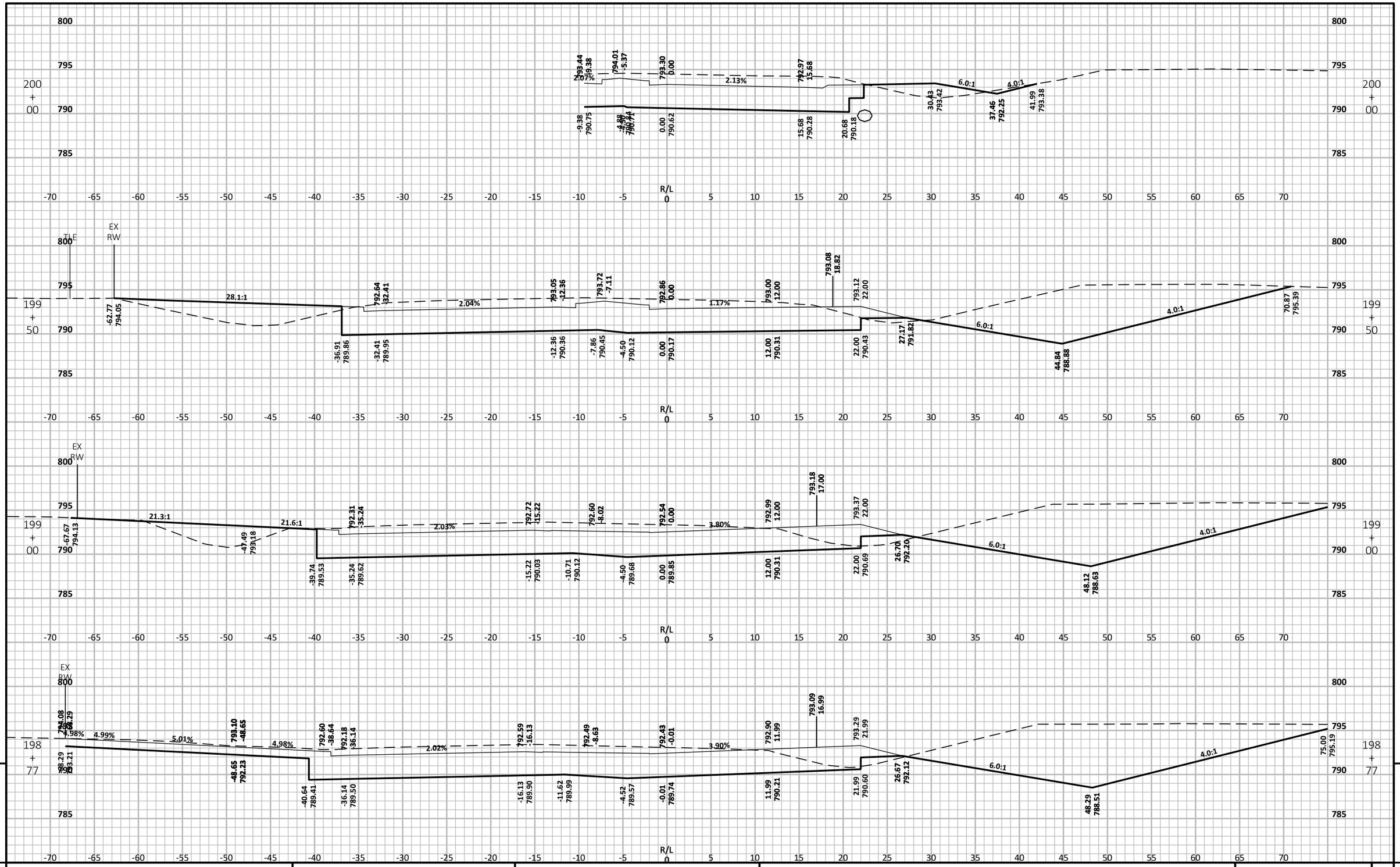


PROJECT NO: 6180-30-72	HWY: STH 21	COUNTY: WINNEBAGO	CROSS SECTIONS: STH 21 EB WEST (CTH FF)	SHEET 563 E

FILE NAME : N:\3001091.00\CIVIL 3D\SHEETSPLAN\61803071-090200-XS.DWG
LAYOUT NAME - 61803071-090203-xs

PLOT DATE : 7/16/2025 9:38 AM PLOT BY : MATT TOMSOVIC PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

PROJECT NO: 6180-30-72	HWY: STH 21	COUNTY: WINNEBAGO	CROSS SECTIONS: STH 21 EB WEST (CTH FF)	SHEET 564 E

FILE NAME : N:\3001091.00\CIVIL 3D\SHEETSPLAN\61803071-090200-XS.DWG
LAYOUT NAME - 61803071-090204-xs

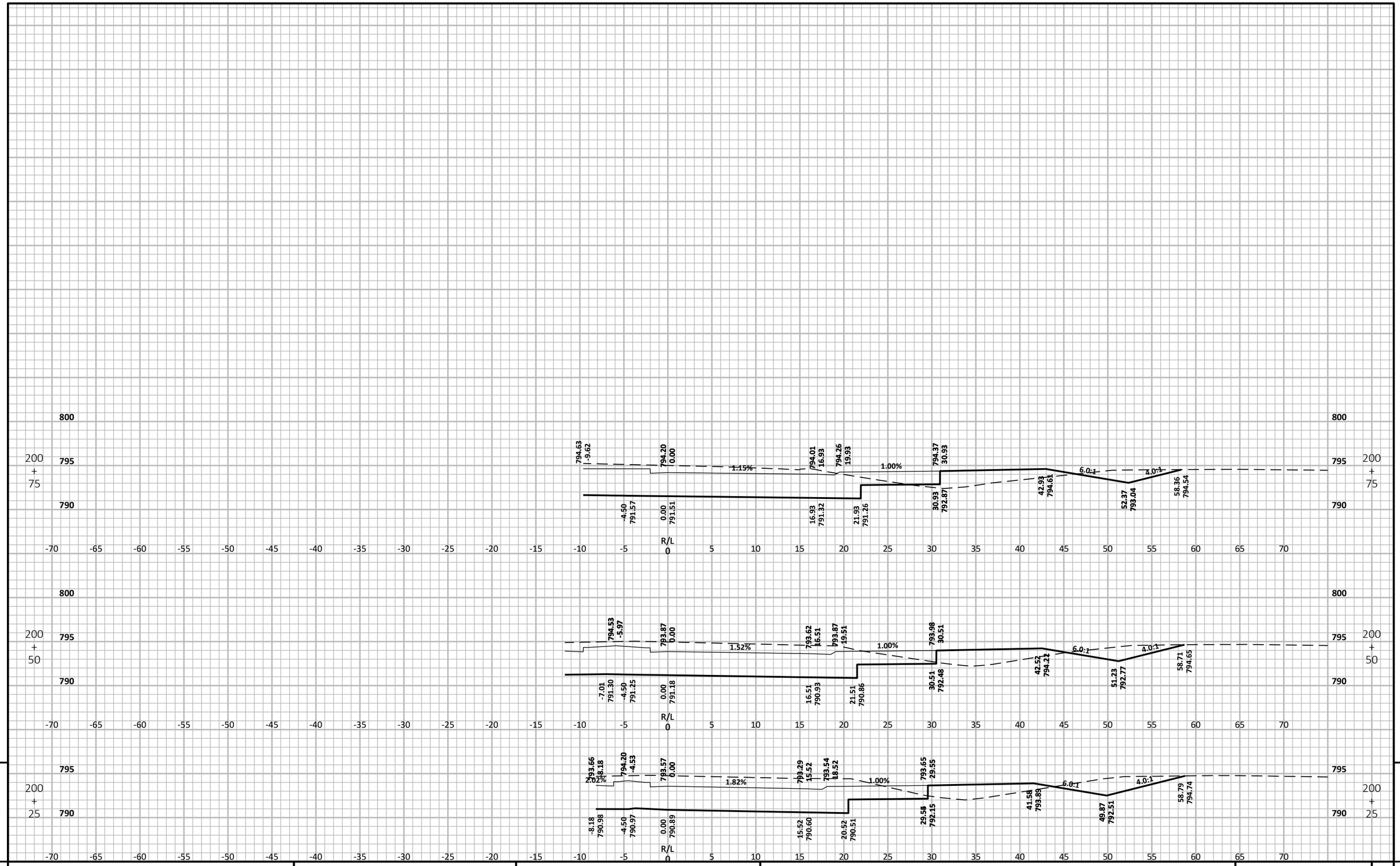
PLOT DATE : 7/16/2025 9:38 AM

PLOT BY : MATT TOMSOVIC

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

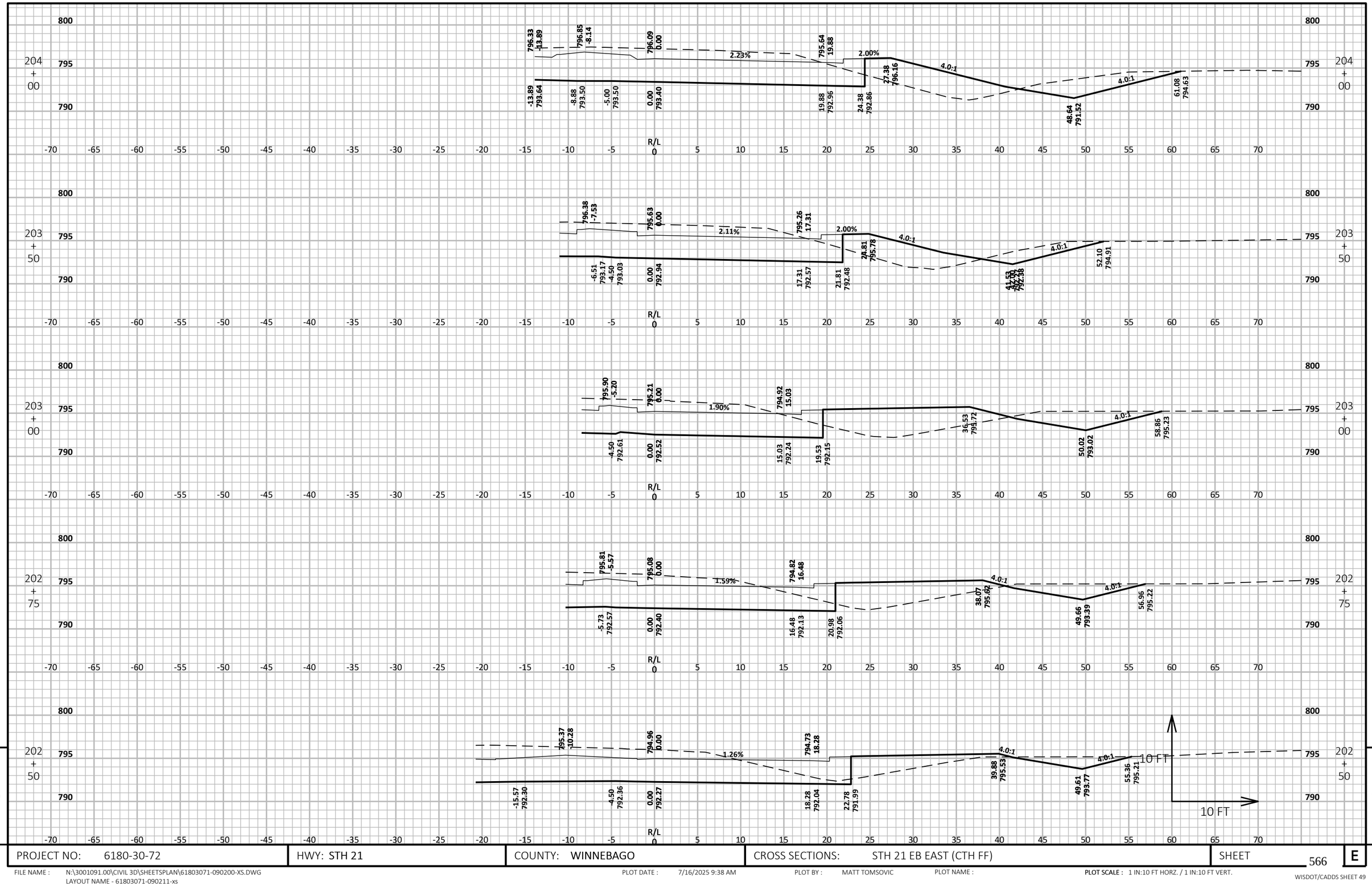
WISDOT/CADDS SHEET 49



PROJECT NO: 6180-30-72	HWY: STH 21	COUNTY: WINNEBAGO	CROSS SECTIONS: STH 21 EB WEST (CTH FF)	SHEET 565	E

FILE NAME : N:\3001091.00\CIVIL 3D\SHEETSPLAN\61803071-090200-XS.DWG
LAYOUT NAME - 61803071-090205-xs

PLOT DATE : 7/16/2025 9:38 AM PLOT BY : MATT TOMSOVIC PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



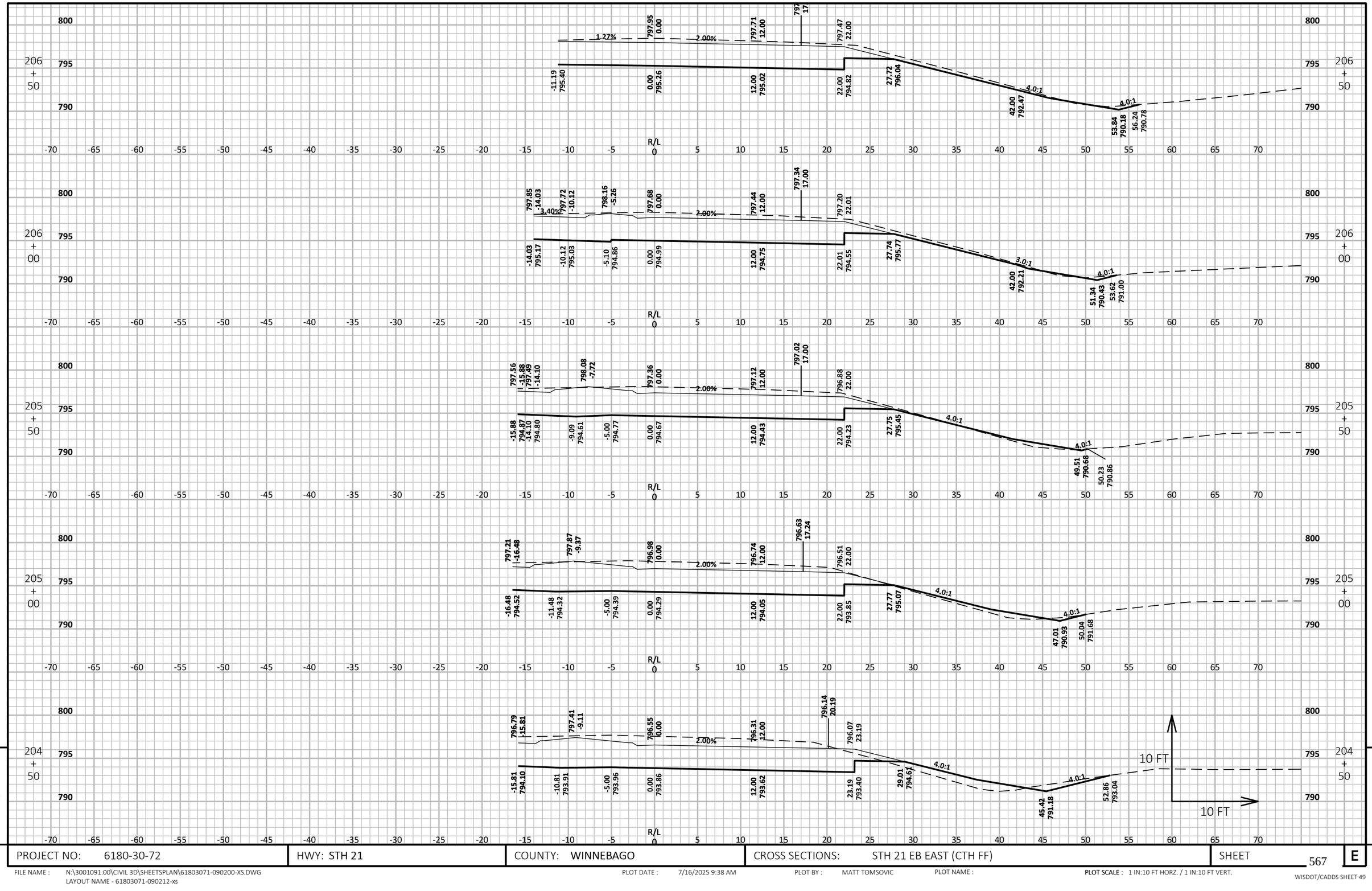
9

PROJECT NO: 6180-30-72	HWY: STH 21	COUNTY: WINNEBAGO	CROSS SECTIONS: STH 21 EB EAST (CTH FF)	SHEET 566	E

FILE NAME : N:\3001091.00\CIVIL 3D\SHEETSPLAN\61803071-090200-XS.DWG
LAYOUT NAME - 61803071-090211-xs

PLOT DATE : 7/16/2025 9:38 AM PLOT BY : MATT TOMSOVIC PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

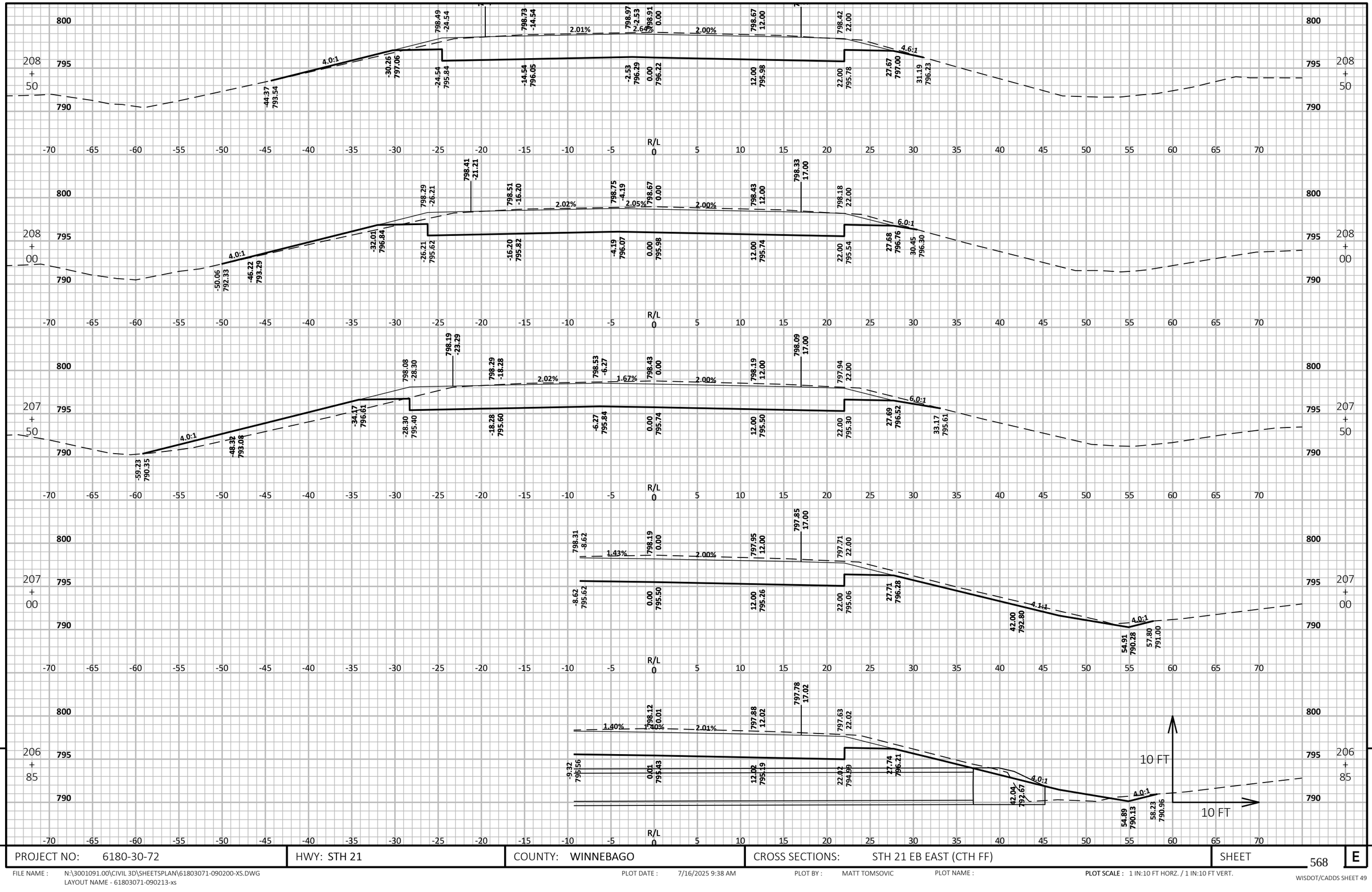


PROJECT NO: 6180-30-72	HWY: STH 21	COUNTY: WINNEBAGO	CROSS SECTIONS: STH 21 EB EAST (CTH FF)	SHEET 567 E

FILE NAME : N:\3001091.00\CIVIL 3D\SHEETSPLAN\61803071-090200-XS.DWG
LAYOUT NAME - 61803071-090212-xs

PLOT DATE : 7/16/2025 9:38 AM PLOT BY : MATT TOMSOVIC PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

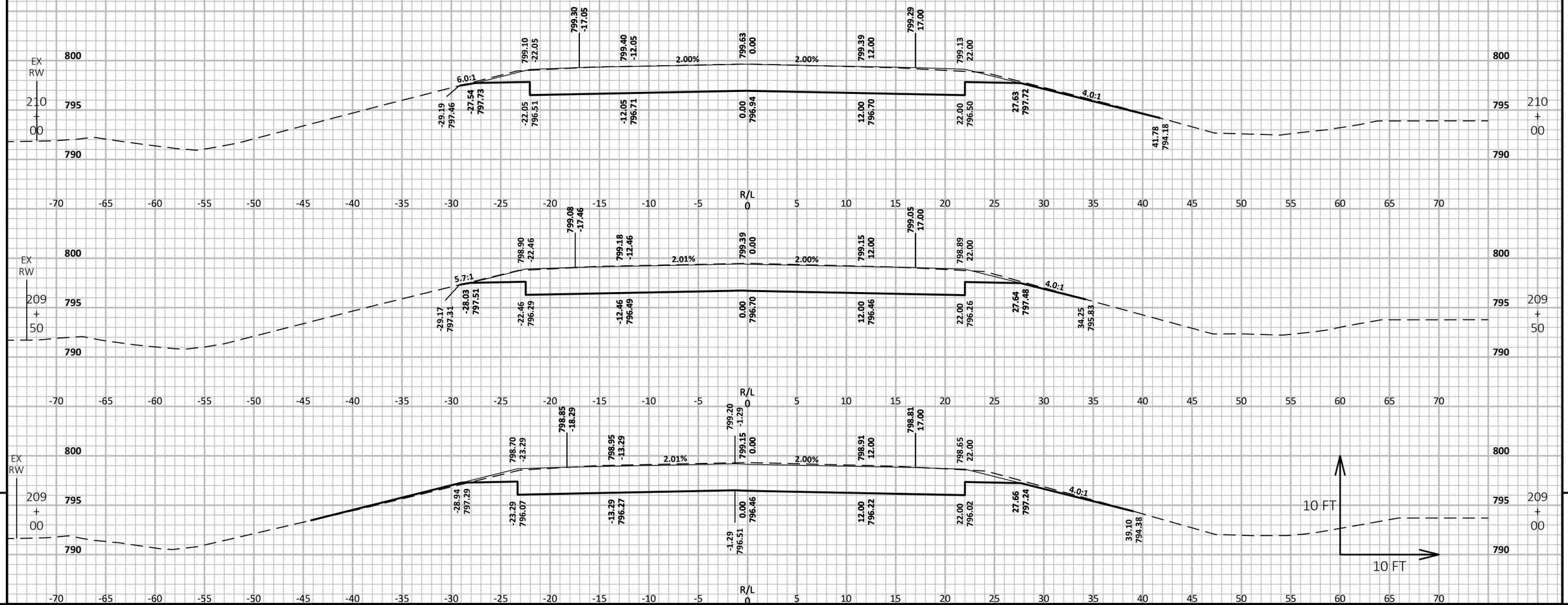


PROJECT NO: 6180-30-72	HWY: STH 21	COUNTY: WINNEBAGO	CROSS SECTIONS: STH 21 EB EAST (CTH FF)	SHEET 568 E

FILE NAME : N:\3001091.00\CIVIL 3D\SHEETSPLAN\61803071-090200-XS.DWG
LAYOUT NAME - 61803071-090213-xs

PLOT DATE : 7/16/2025 9:38 AM PLOT BY : MATT TOMSOVIC PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

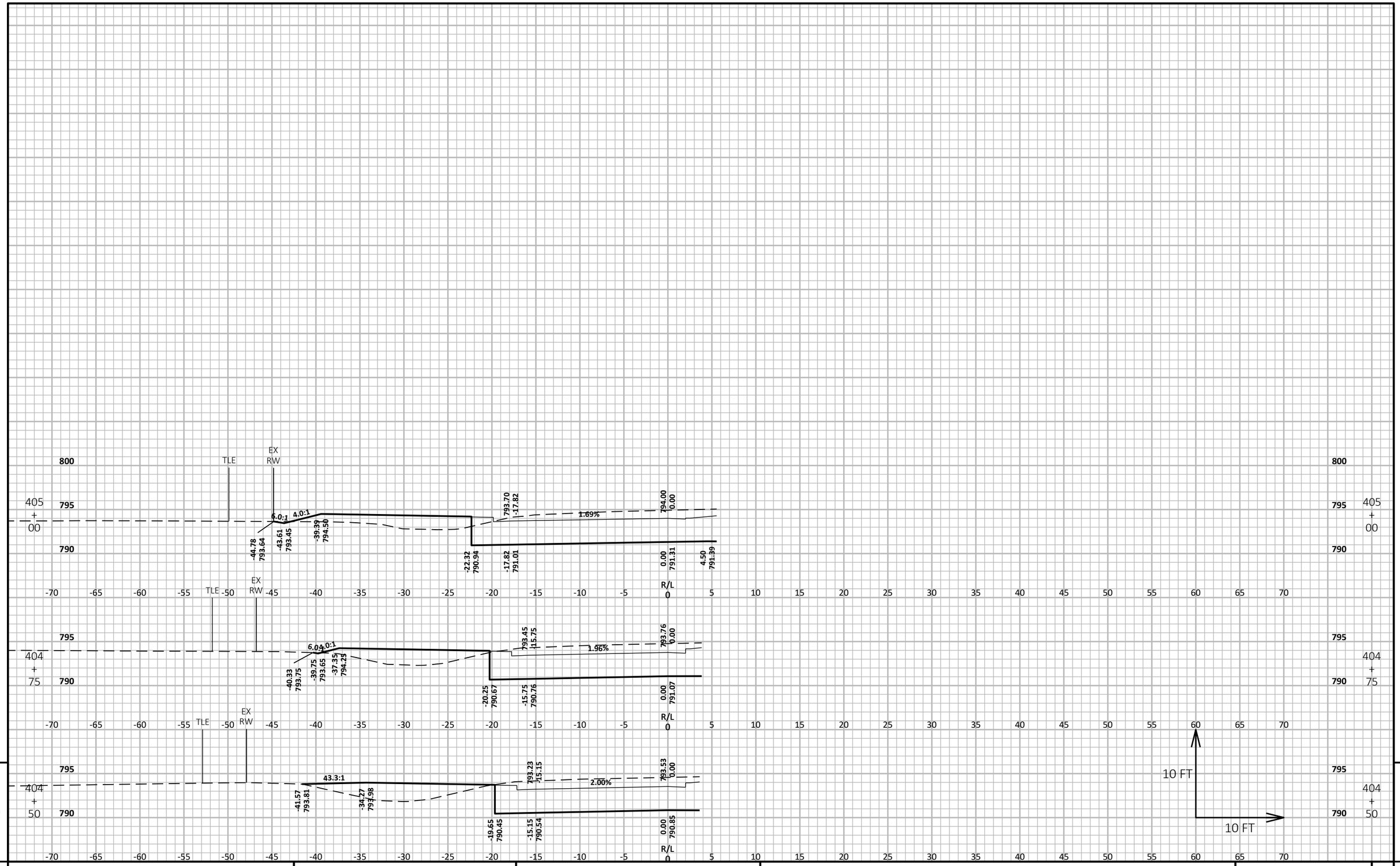


PROJECT NO: 6180-30-72	HWY: STH 21	COUNTY: WINNEBAGO	CROSS SECTIONS: STH 21 EB EAST (CTH FF)	SHEET 569	E

FILE NAME : N:\3001091.00\CIVIL 3D\SHEETSPLAN\61803071-090200-XS.DWG
LAYOUT NAME - 61803071-090214-xs

PLOT DATE : 7/16/2025 9:38 AM PLOT BY : MATT TOMSOVIC PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

PROJECT NO: 6180-30-72	HWY: STH 21	COUNTY: WINNEBAGO	CROSS SECTIONS: STH 21 WB WEST (CTH FF)	SHEET 570	E

FILE NAME : N:\3001091.00\CIVIL 3D\SHEETSPLAN\61803071-090200-XS.DWG
LAYOUT NAME - 61803071-090221-xs

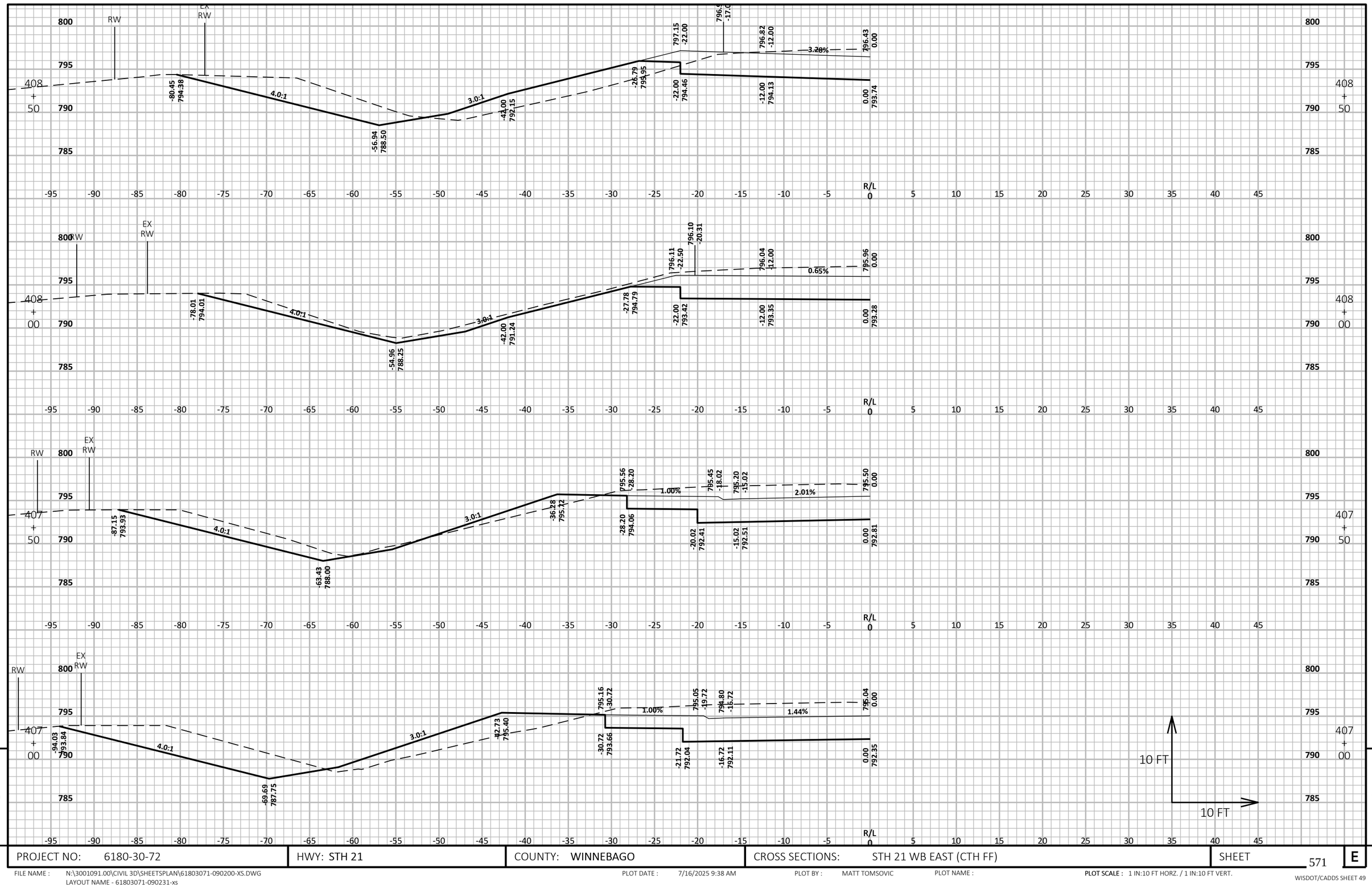
PLOT DATE : 7/16/2025 9:38 AM

PLOT BY : MATT TOMSOVIC

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

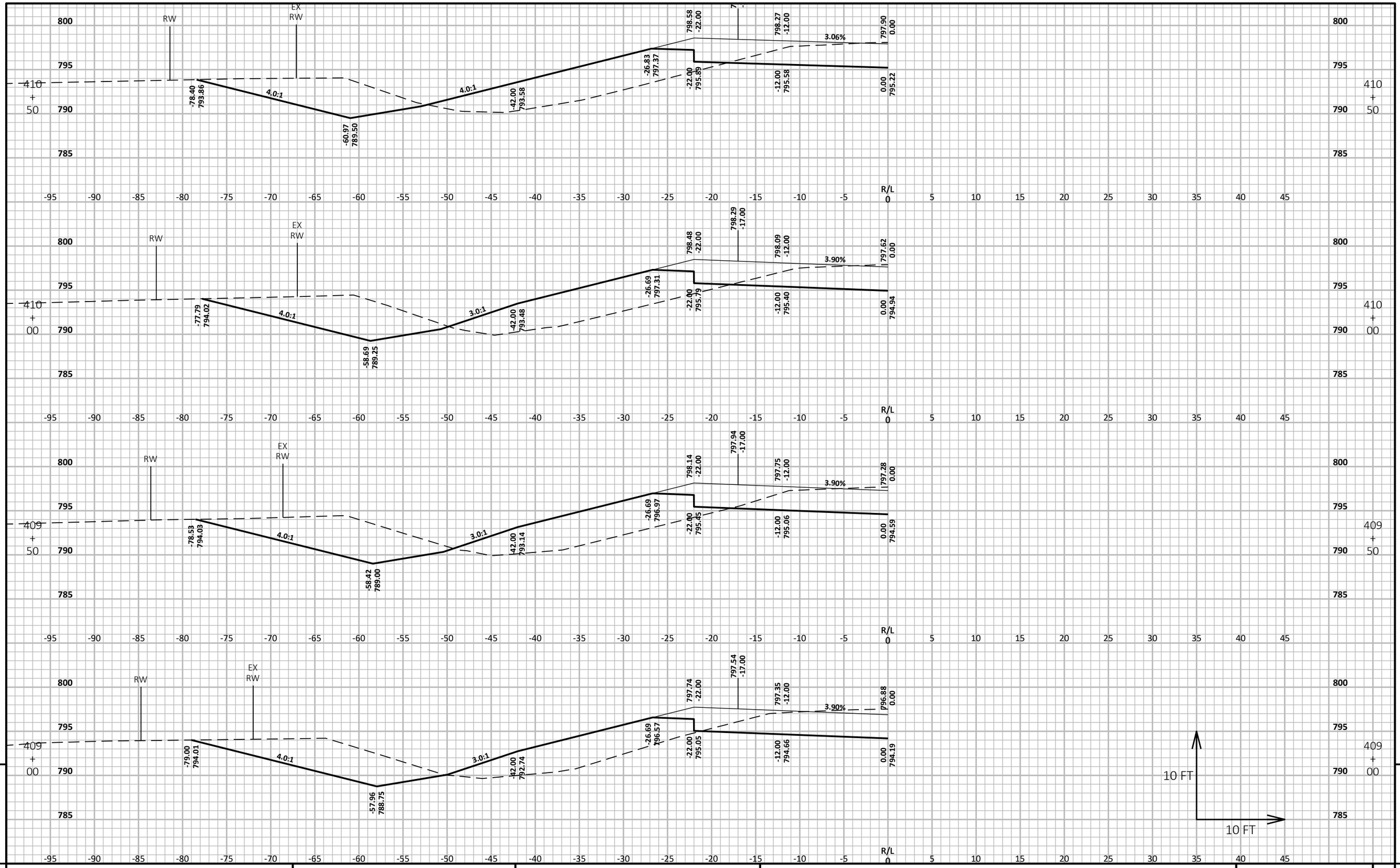


9

PROJECT NO: 6180-30-72	HWY: STH 21	COUNTY: WINNEBAGO	CROSS SECTIONS: STH 21 WB EAST (CTH FF)	SHEET 571	E

FILE NAME : N:\3001091.00\CIVIL 3D\SHEETSPLAN\61803071-090200-XS.DWG
LAYOUT NAME - 61803071-090231-xs

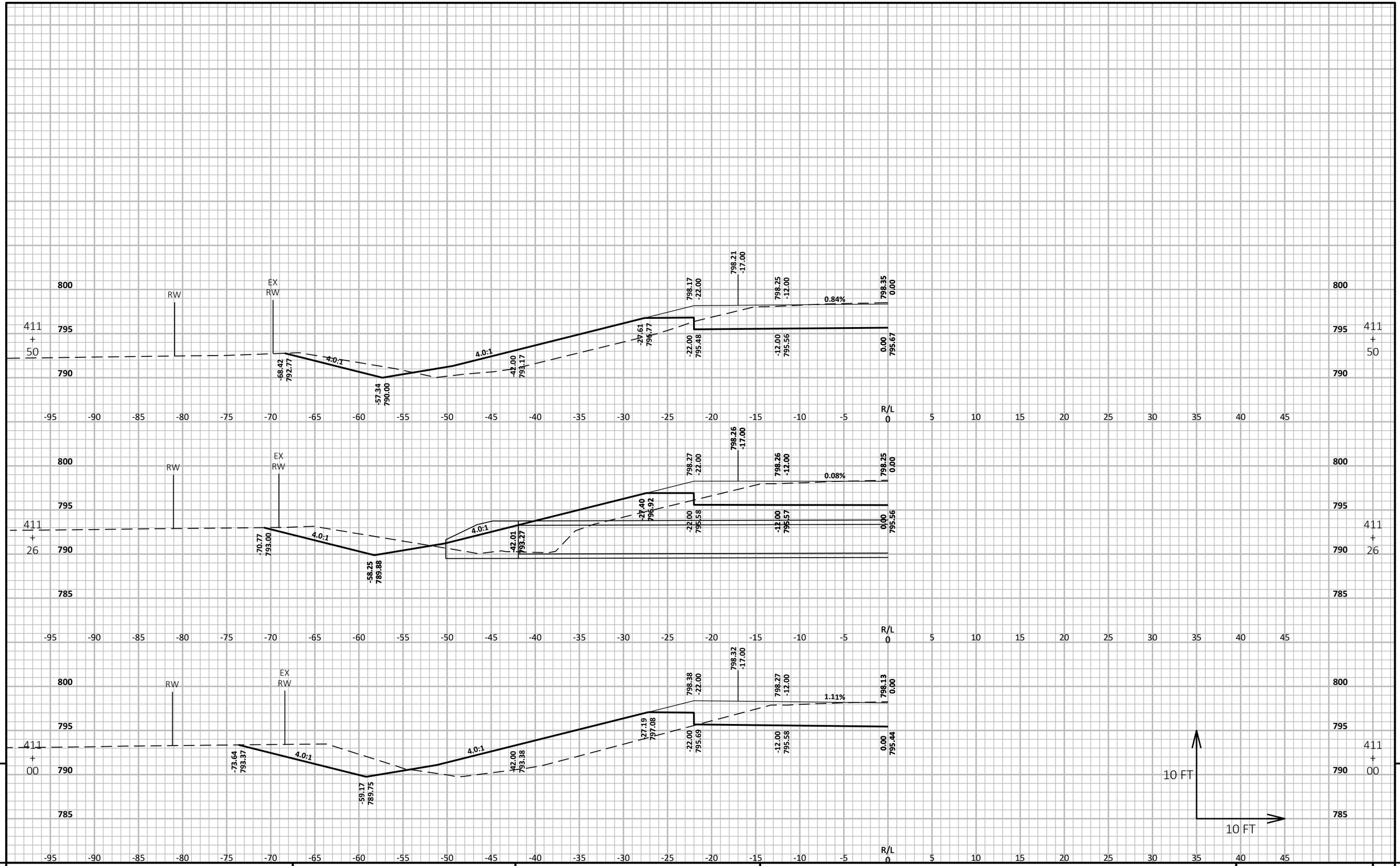
PLOT DATE : 7/16/2025 9:38 AM PLOT BY : MATT TOMSOVIC PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



PROJECT NO: 6180-30-72	HWY: STH 21	COUNTY: WINNEBAGO	CROSS SECTIONS: STH 21 WB EAST (CTH FF)	SHEET 572	E

FILE NAME : N:\3001091.00\CIVIL 3D\SHEETSPLAN\61803071-090200-XS.DWG
LAYOUT NAME - 61803071-090232-xs

PLOT DATE : 7/16/2025 9:38 AM PLOT BY : MATT TOMSOVIC PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

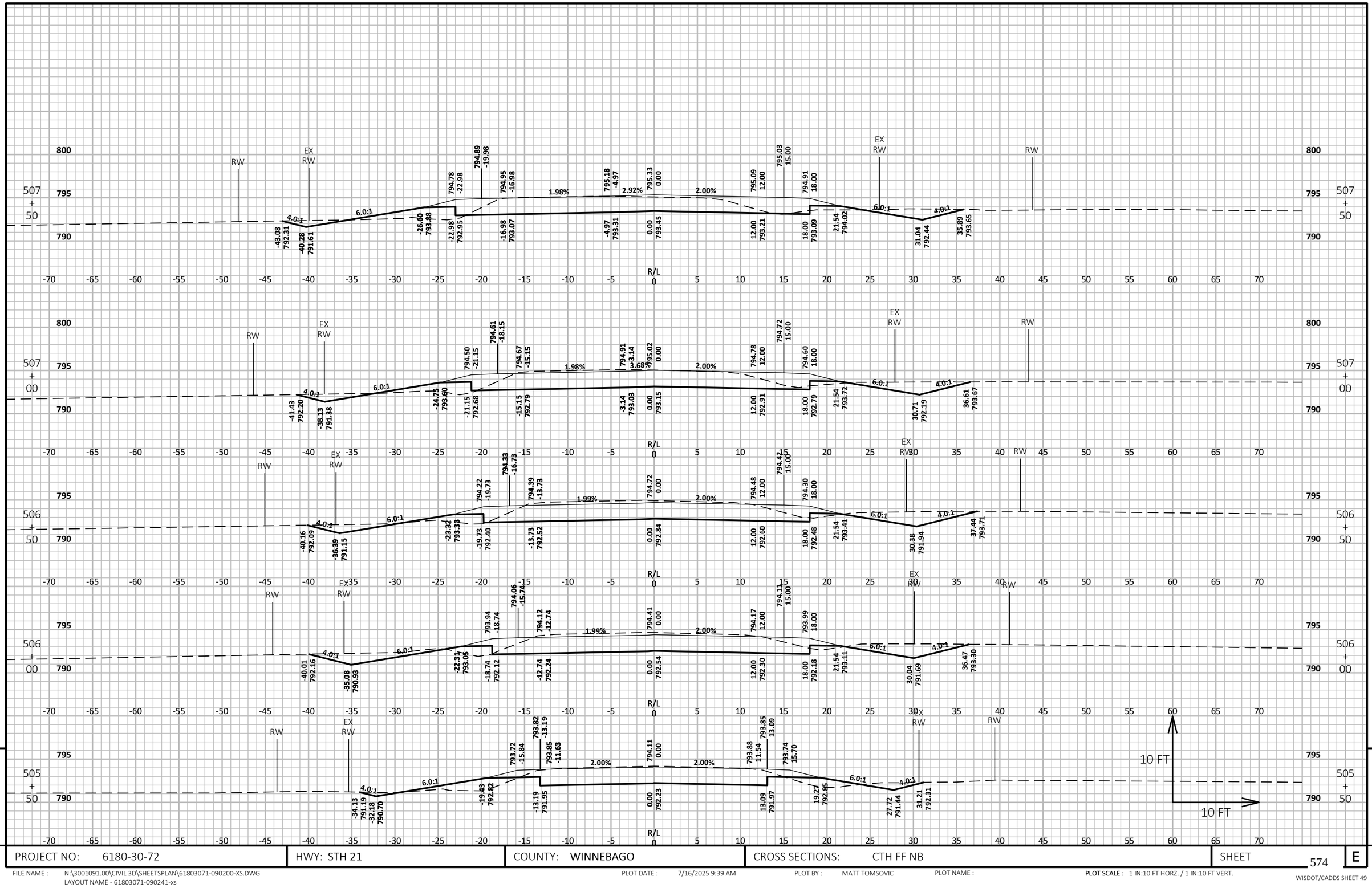


PROJECT NO: 6180-30-72	HWY: STH 21	COUNTY: WINNEBAGO	CROSS SECTIONS: STH 21 WB EAST (CTH FF)	SHEET 573	E

FILE NAME : N:\3001091.00\CIVIL 3D\SHEETSPLAN\61803071-090200-XS.DWG
LAYOUT NAME - 61803071-090233-xs

PLOT DATE : 7/16/2025 9:39 AM PLOT BY : MATT TOMSOVIC PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

PROJECT NO: 6180-30-72	HWY: STH 21	COUNTY: WINNEBAGO	CROSS SECTIONS: CTH FF NB	SHEET 574	E

FILE NAME : N:\3001091.00\CIVIL 3D\SHEETSPLAN\61803071-090200-XS.DWG
LAYOUT NAME - 61803071-090241-xs

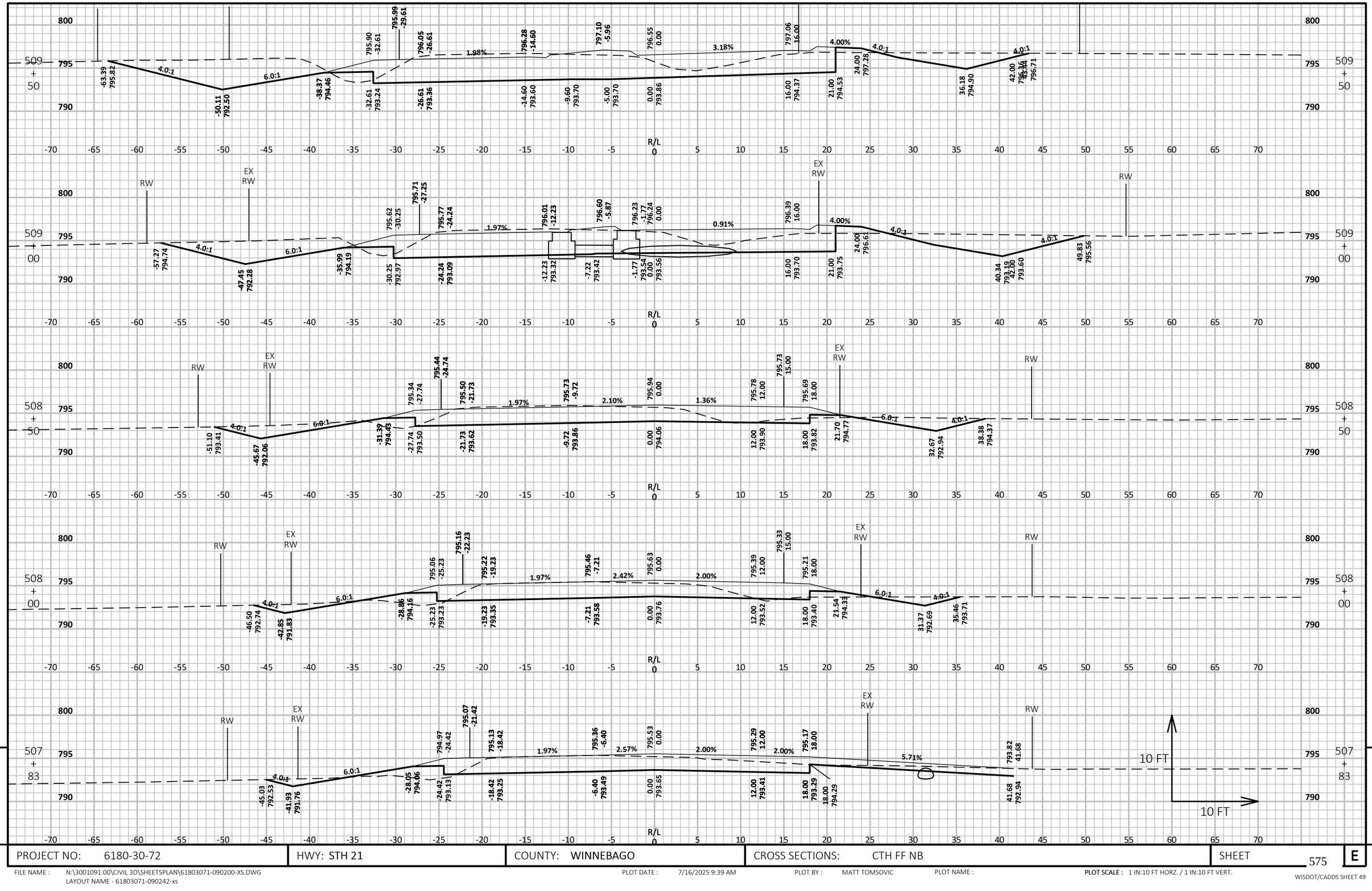
PLOT DATE : 7/16/2025 9:39 AM

PLOT BY : MATT TOMSOVIC

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

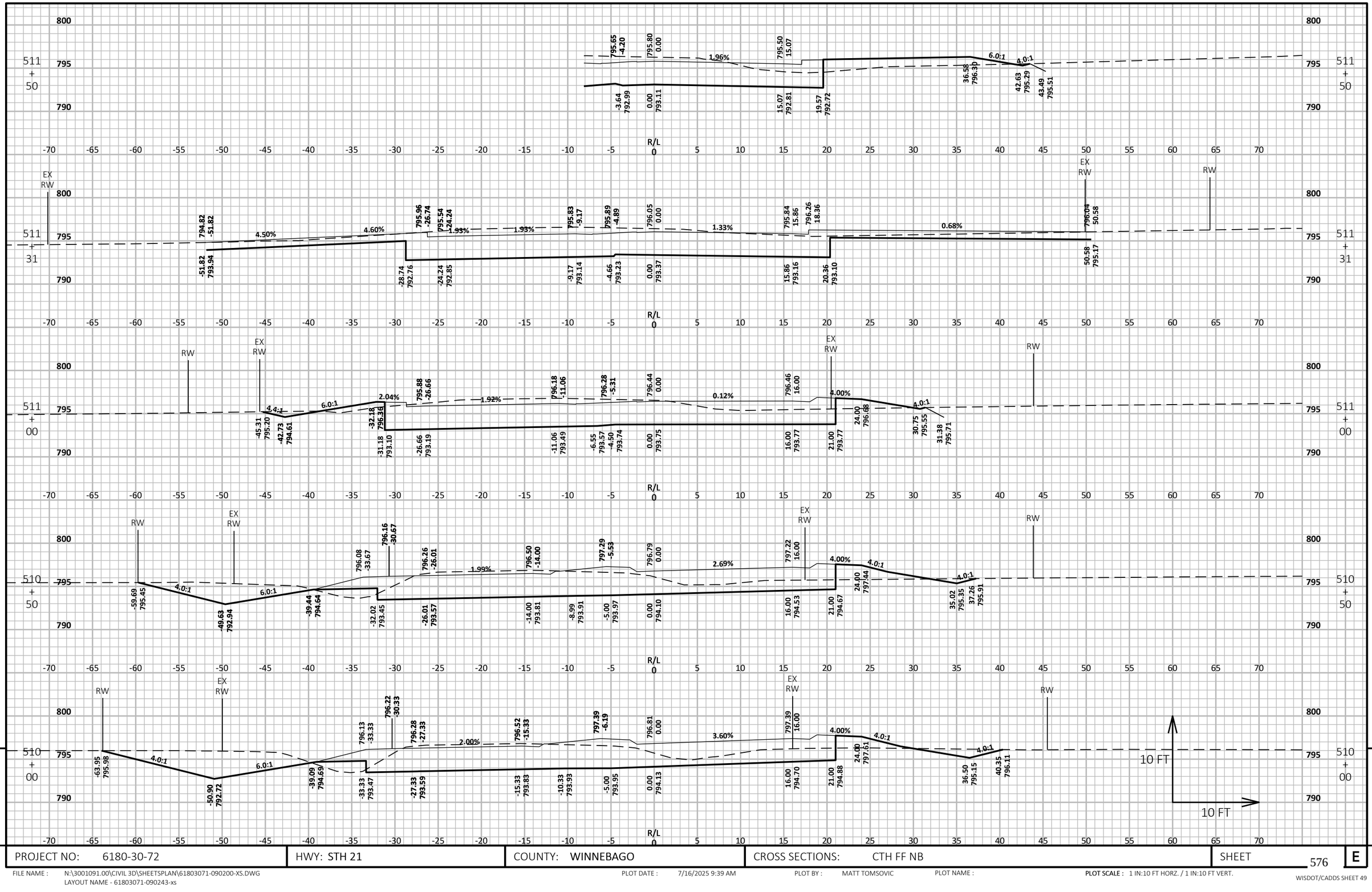


PROJECT NO: 6180-30-72	HWY: STH 21	COUNTY: WINNEBAGO	CROSS SECTIONS: CTH FF NB	SHEET 575 E

FILE NAME : N:\3001091.00\CIVIL 3D\SHEETSPLAN\61803071-090200-XS.DWG
LAYOUT NAME - 61803071-090242-xs

PLOT DATE : 7/16/2025 9:39 AM PLOT BY : MATT TOMSOVIC PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 6180-30-72	HWY: STH 21	COUNTY: WINNEBAGO	CROSS SECTIONS: CTH FF NB	SHEET 576 E

FILE NAME : N:\3001091.00\CIVIL 3D\SHEETSPLAN\61803071-090200-XS.DWG
LAYOUT NAME - 61803071-090243-xs

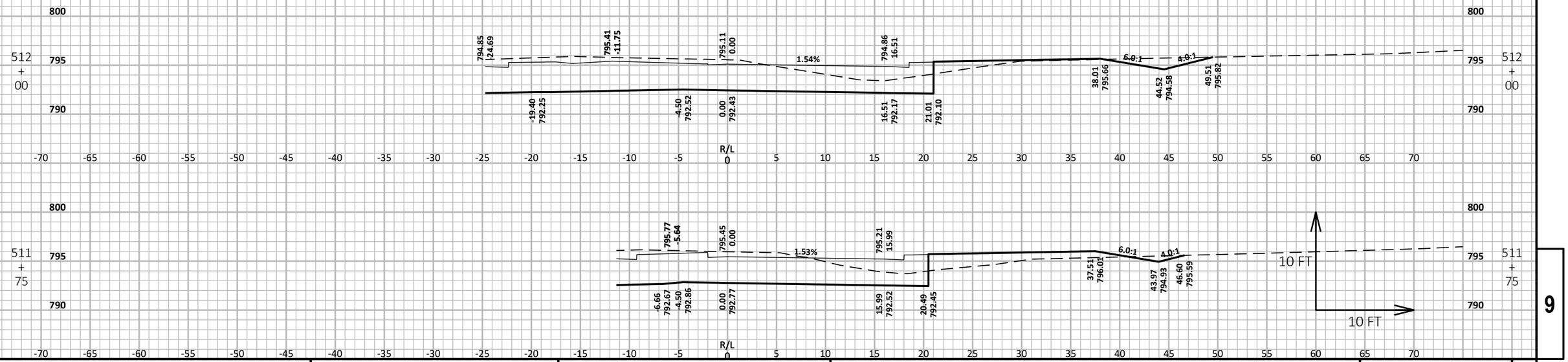
PLOT DATE : 7/16/2025 9:39 AM

PLOT BY : MATT TOMSOVIC

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 6180-30-72	HWY: STH 21	COUNTY: WINNEBAGO	CROSS SECTIONS: CTH FF NB	SHEET 577	E

FILE NAME : N:\3001091.00\CIVIL 3D\SHEETSPLAN\61803071-090200-XS.DWG
LAYOUT NAME - 61803071-090244-xs

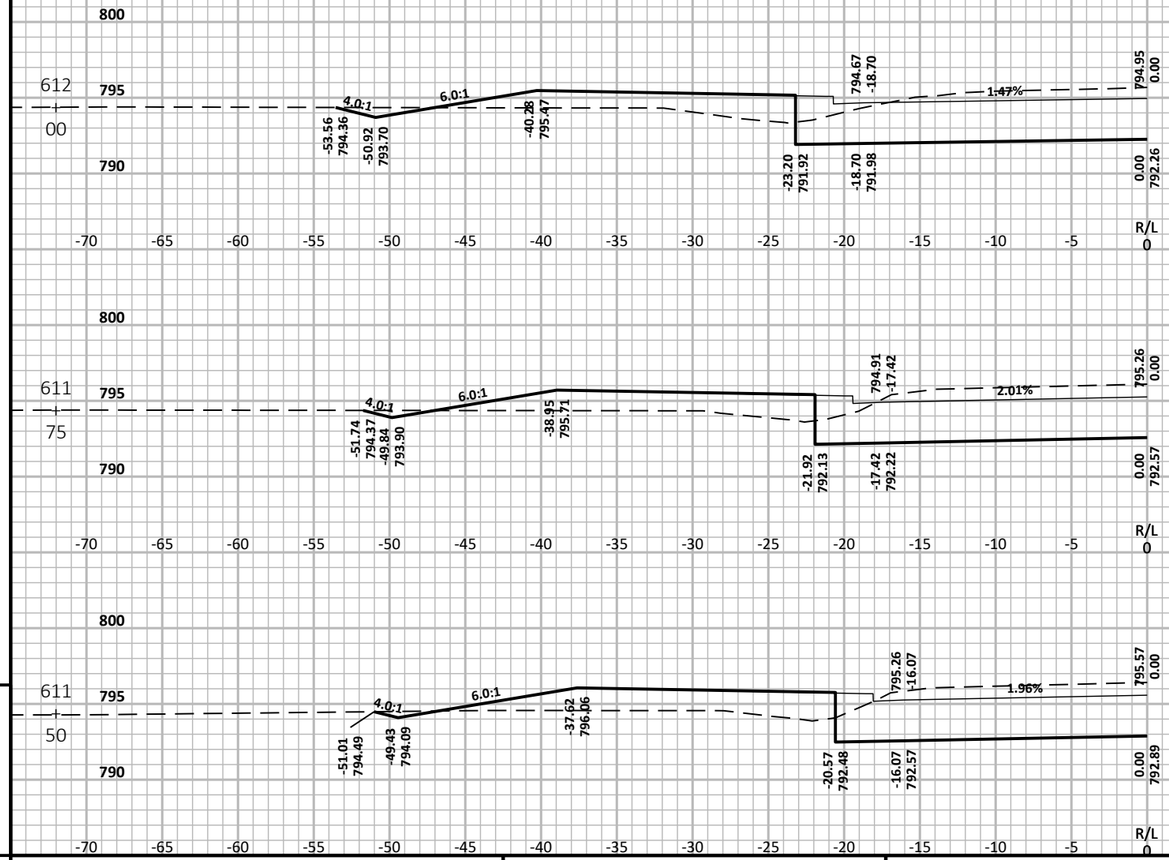
PLOT DATE : 7/16/2025 9:39 AM

PLOT BY : MATT TOMSOVIC

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 6180-30-72	HWY: STH 21	COUNTY: WINNEBAGO	CROSS SECTIONS: CTH FF SB	SHEET 578	E

FILE NAME : N:\3001091.00\CIVIL 3D\SHEETSPLAN\61803071-090200-XS.DWG
LAYOUT NAME - 61803071-090261-xs

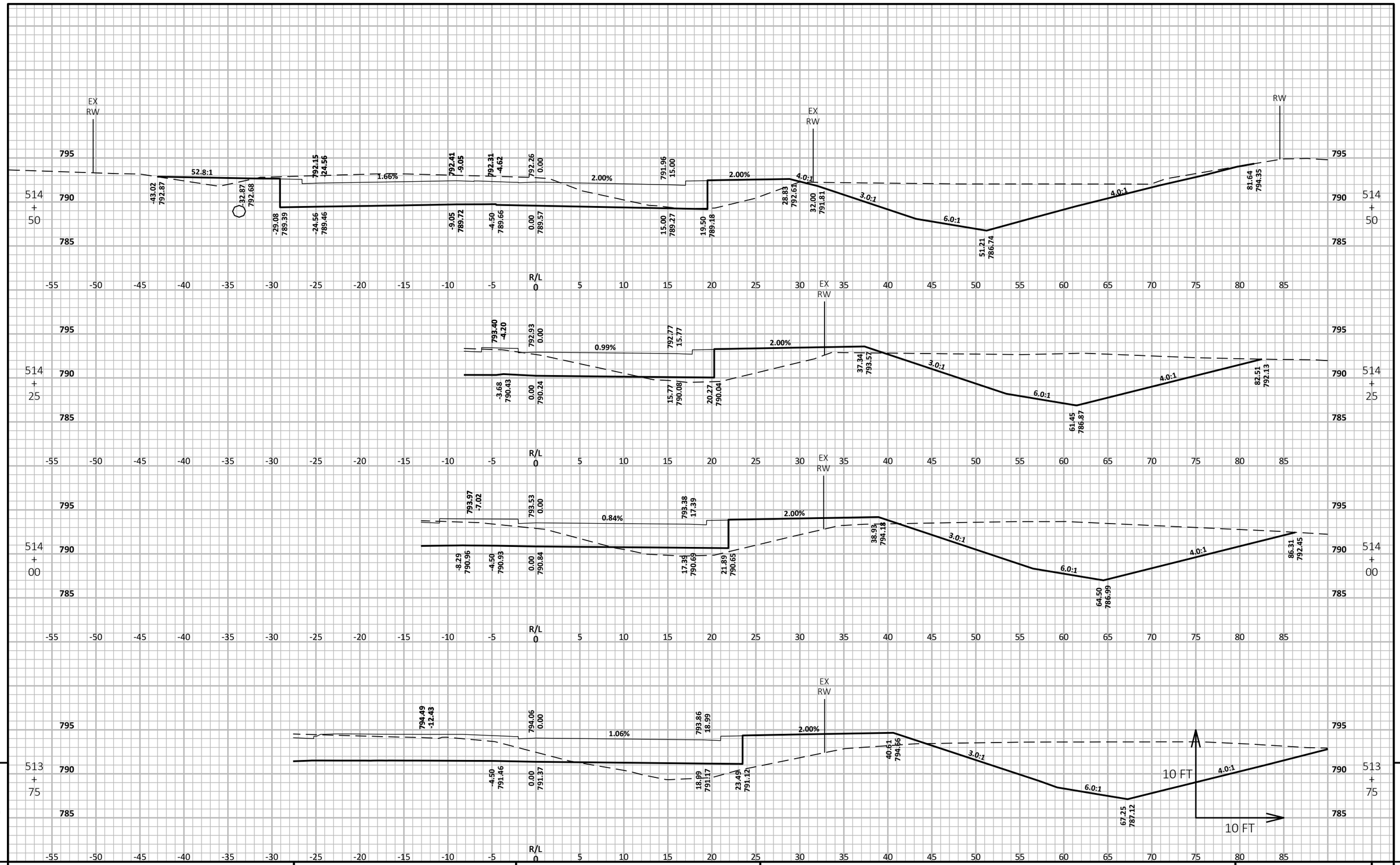
PLOT DATE : 7/16/2025 9:39 AM

PLOT BY : MATT TOMSOVIC

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

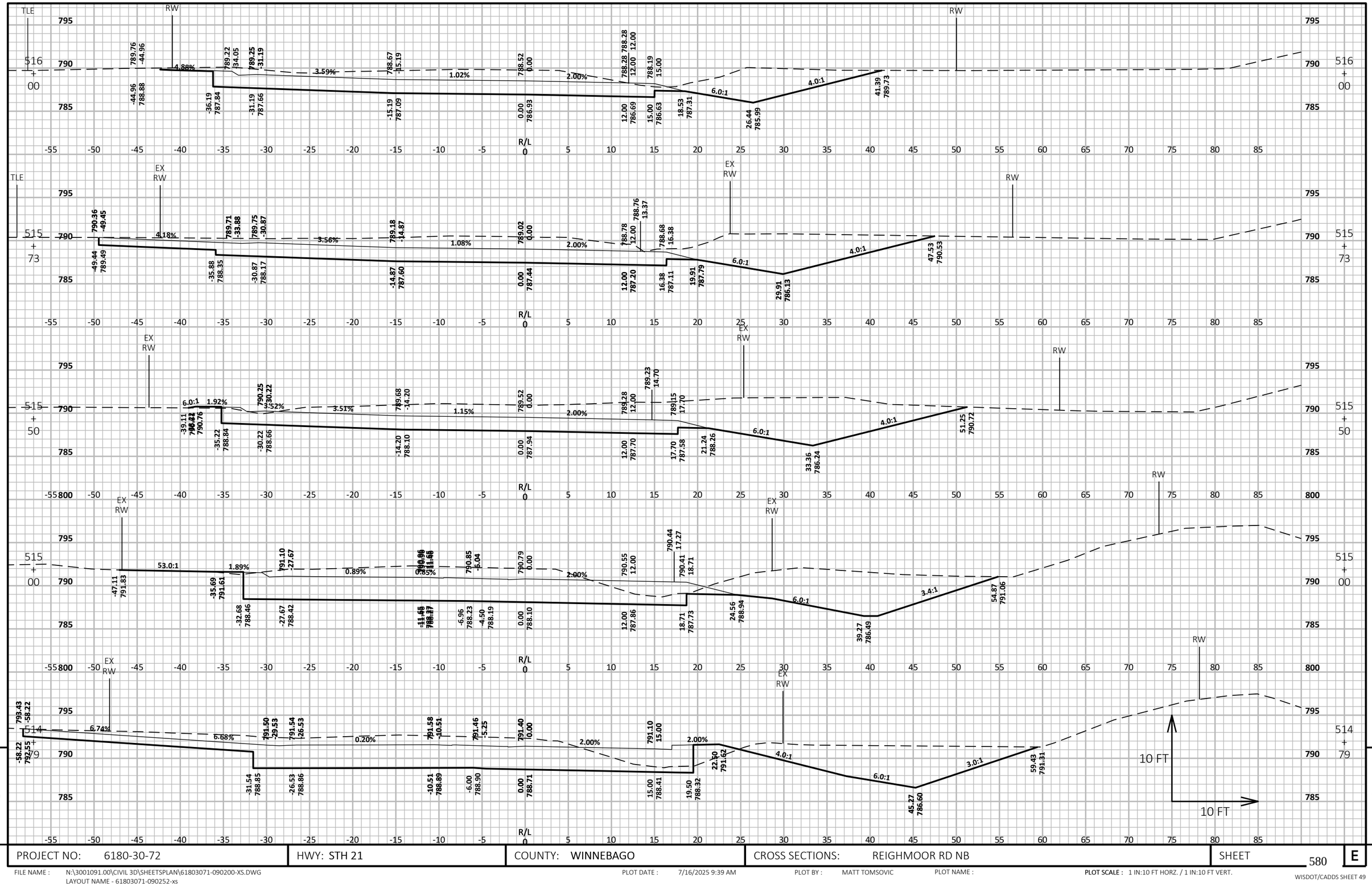


PROJECT NO: 6180-30-72	HWY: STH 21	COUNTY: WINNEBAGO	CROSS SECTIONS: REIGHMOOR RD NB	SHEET 579	E

FILE NAME : N:\3001091.00\CIVIL 3D\SHEETSPLAN\61803071-090200-XS.DWG
LAYOUT NAME - 61803071-090251-xs

PLOT DATE : 7/16/2025 9:39 AM PLOT BY : MATT TOMSOVIC PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 6180-30-72	HWY: STH 21	COUNTY: WINNEBAGO	CROSS SECTIONS: REIGHMOOR RD NB	SHEET 580	E

FILE NAME : N:\3001091.00\CIVIL 3D\SHEETSPLAN\61803071-090200-XS.DWG
LAYOUT NAME - 61803071-090252-xs

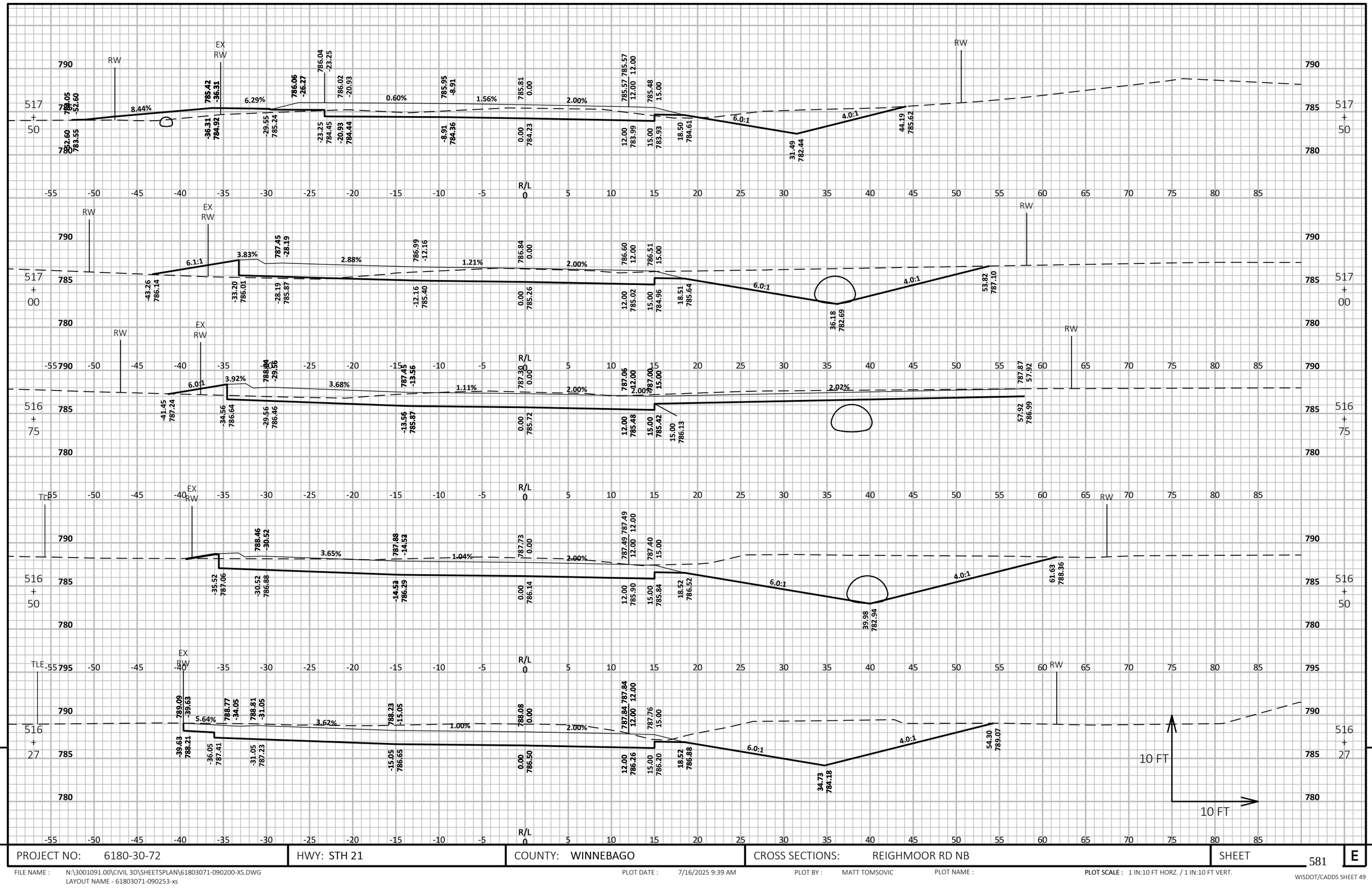
PLOT DATE : 7/16/2025 9:39 AM

PLOT BY : MATT TOMSOVIC

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



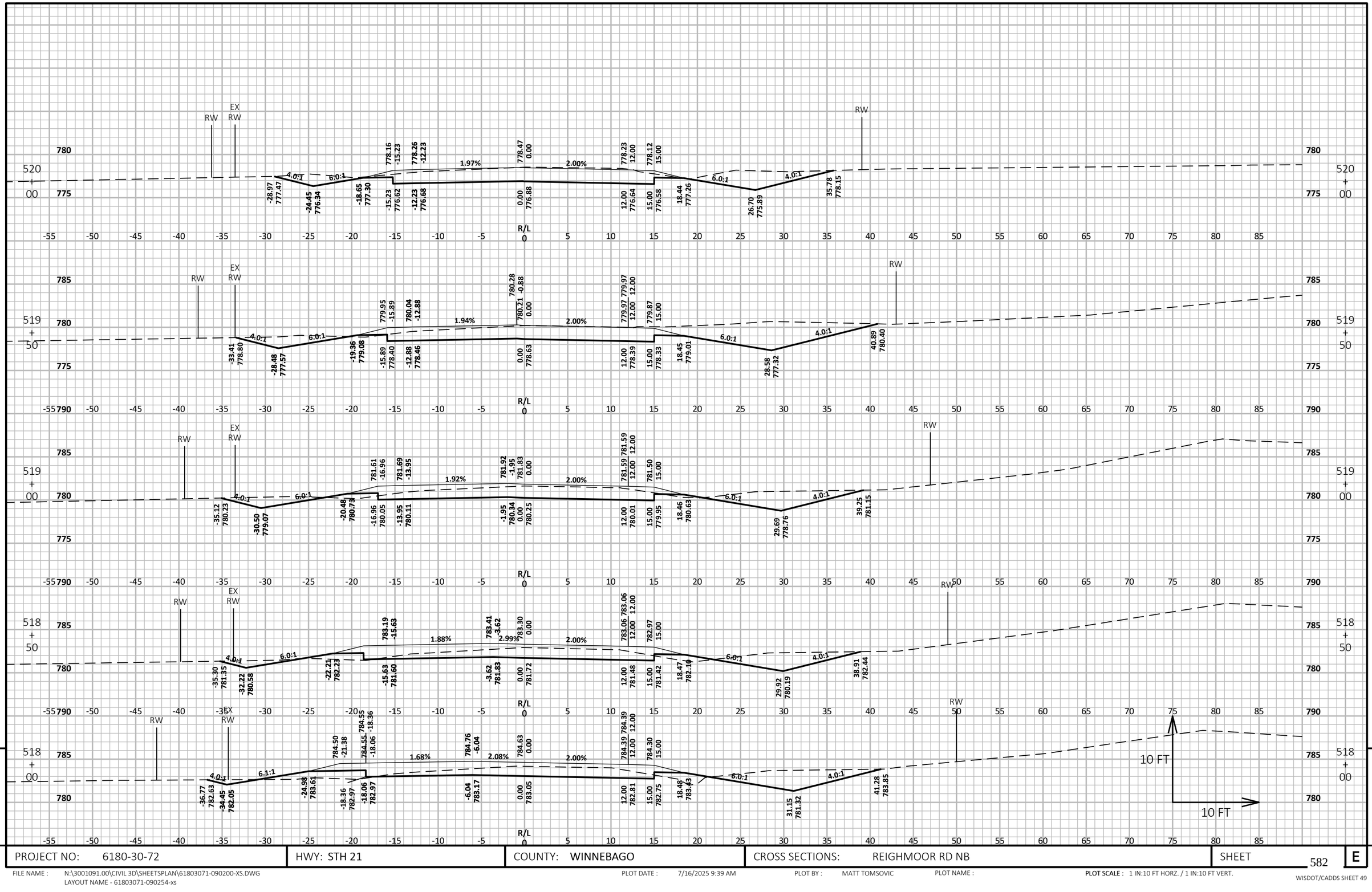
9

PROJECT NO: 6180-30-72	HWY: STH 21	COUNTY: WINNEBAGO	CROSS SECTIONS: REIGHMOOR RD NB	SHEET 581 E

FILE NAME : N:\3001091.00\CIVIL 3D\SHEETSPLAN\61803071-090200-XS.DWG
LAYOUT NAME - 61803071-090253-xs

PLOT DATE : 7/16/2025 9:39 AM PLOT BY : MATT TOMSOVIC PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

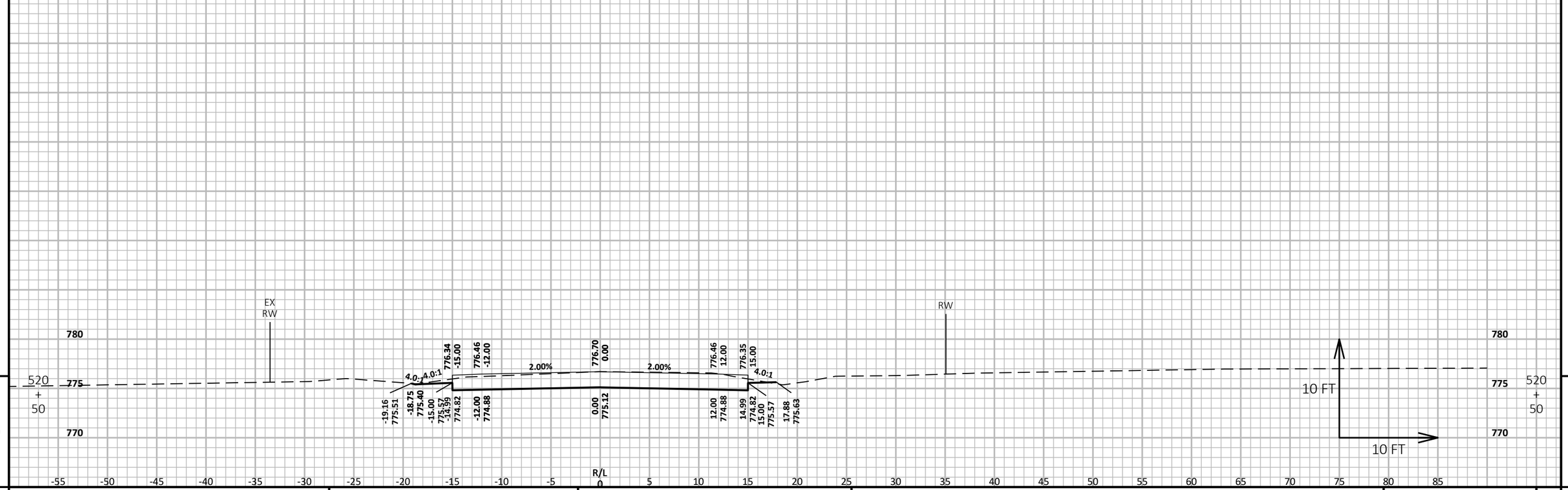


PROJECT NO: 6180-30-72	HWY: STH 21	COUNTY: WINNEBAGO	CROSS SECTIONS: REIGHMOOR RD NB	SHEET 582 E

FILE NAME : N:\3001091.00\CIVIL 3D\SHEETSPLAN\61803071-090200-XS.DWG
LAYOUT NAME - 61803071-090254-xs

PLOT DATE : 7/16/2025 9:39 AM PLOT BY : MATT TOMSOVIC PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 6180-30-72	HWY: STH 21	COUNTY: WINNEBAGO	CROSS SECTIONS: REIGHMOOR RD NB	SHEET 583	E

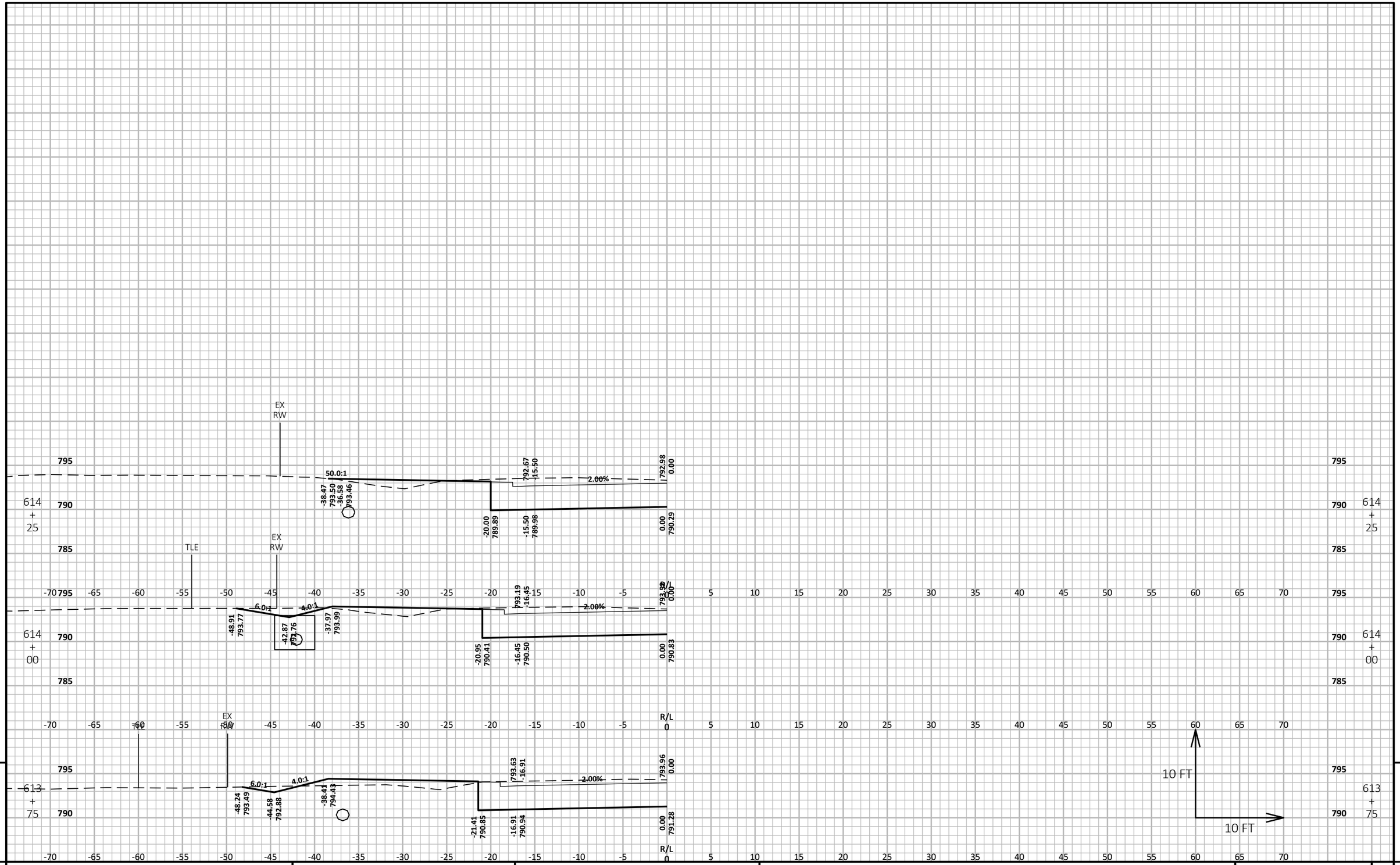
FILE NAME : N:\3001091.00\CIVIL 3D\SHEETSPLAN\61803071-090200-XS.DWG
LAYOUT NAME - 61803071-090255-xs

PLOT DATE : 7/16/2025 9:39 AM

PLOT BY : MATT TOMSOVIC

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



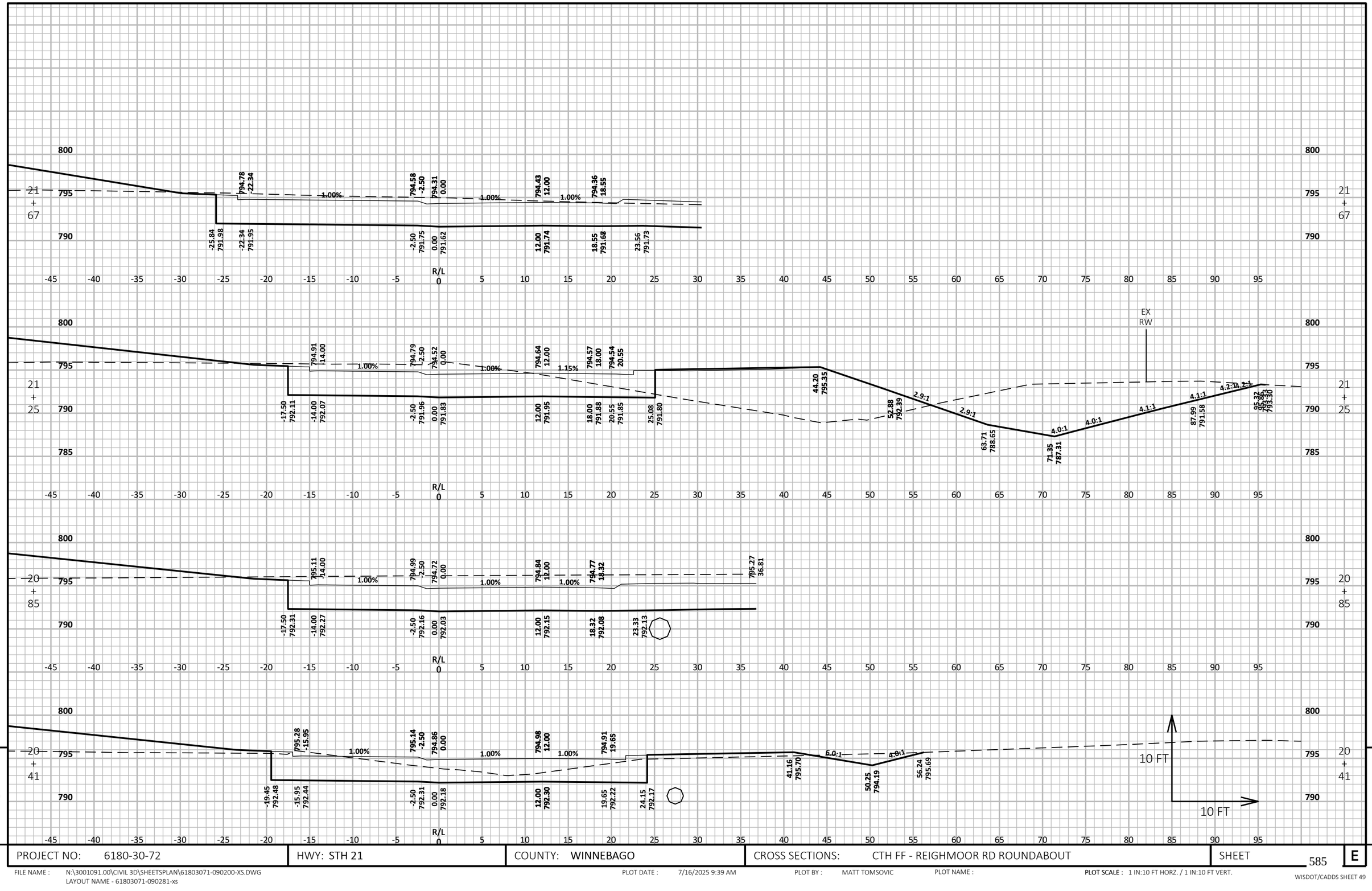
9

PROJECT NO: 6180-30-72	HWY: STH 21	COUNTY: WINNEBAGO	CROSS SECTIONS: REIGHMOOR RD SB	SHEET 584	E

FILE NAME : N:\3001091.00\CIVIL 3D\SHEETSPLAN\61803071-090200-XS.DWG
LAYOUT NAME - 61803071-090271-xs

PLOT DATE : 7/16/2025 9:39 AM PLOT BY : MATT TOMSOVIC PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

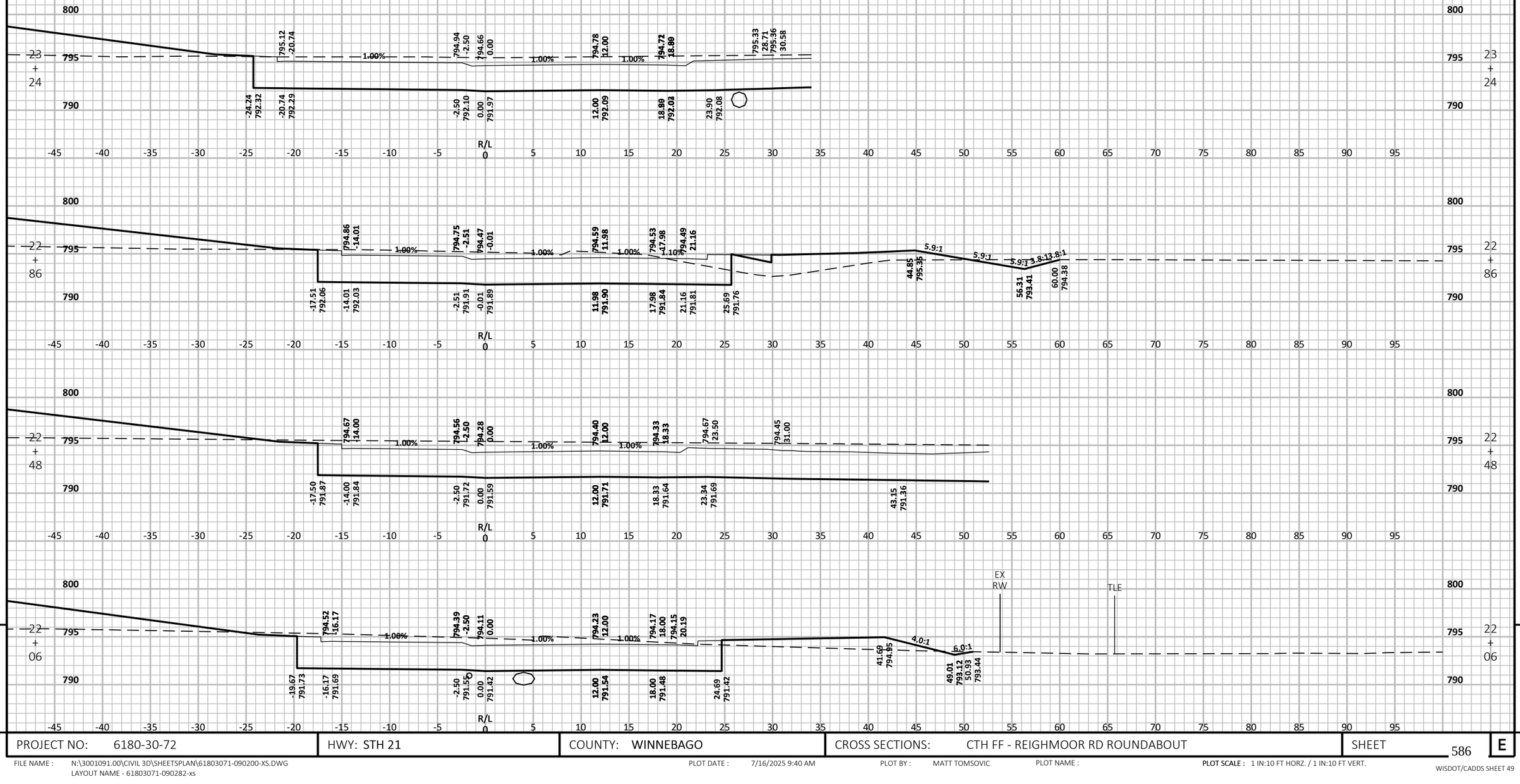


PROJECT NO: 6180-30-72	HWY: STH 21	COUNTY: WINNEBAGO	CROSS SECTIONS: CTH FF - REIGHMOOR RD ROUNDABOUT	SHEET 585	E

FILE NAME : N:\3001091.00\CIVIL 3D\SHEETSPLAN\61803071-090200-XS.DWG
LAYOUT NAME - 61803071-090281-xs

PLOT DATE : 7/16/2025 9:39 AM PLOT BY : MATT TOMSOVIC PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

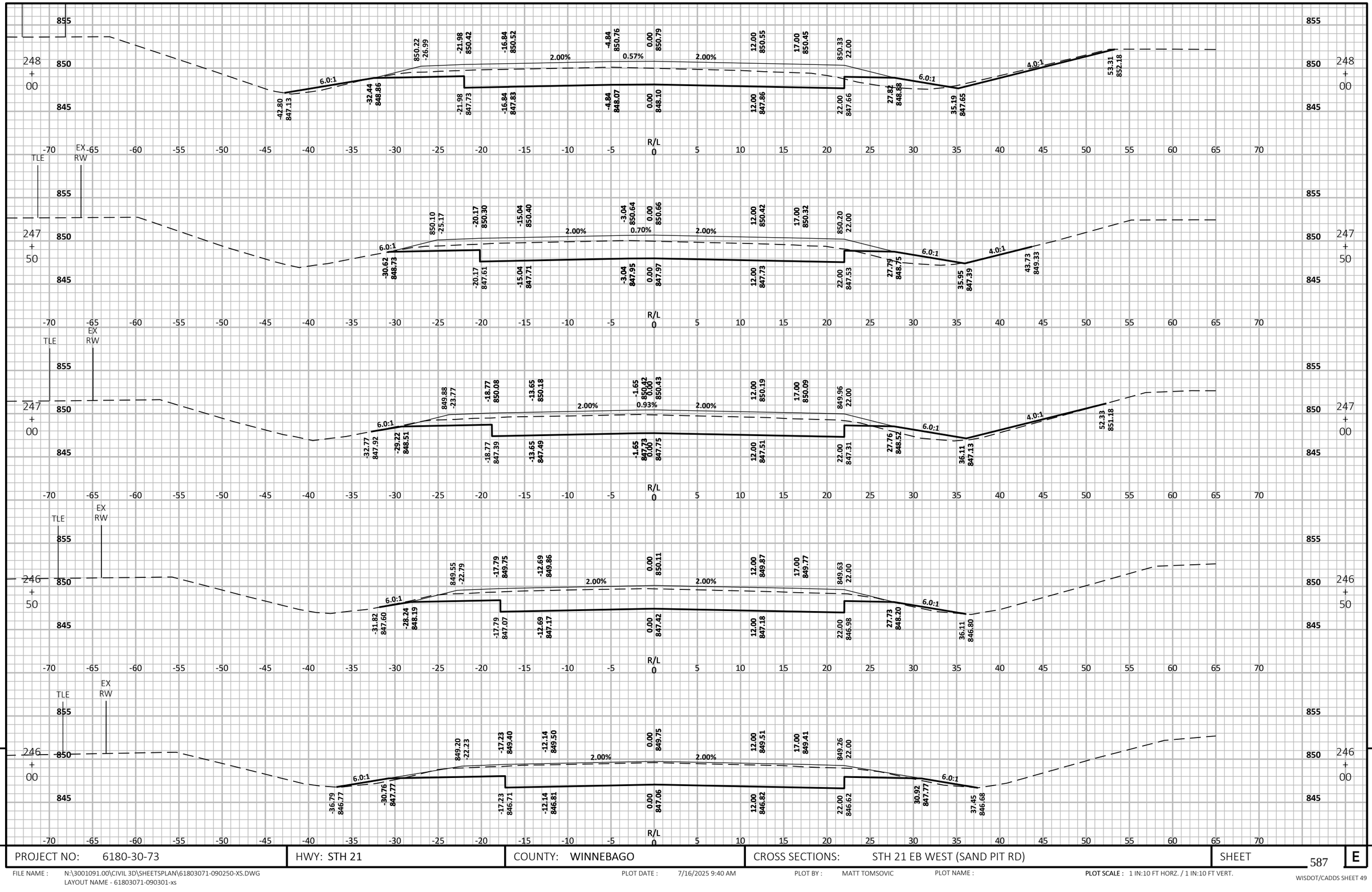
WISDOT/CADDS SHEET 49



PROJECT NO: 6180-30-72	HWY: STH 21	COUNTY: WINNEBAGO	CROSS SECTIONS: CTH FF - REIGHMOOR RD ROUNDABOUT	SHEET 586 E

FILE NAME : N:\3001091.00\CIVIL 3D\SHEETSPLAN\61803071-090200-XS.DWG
LAYOUT NAME - 61803071-090282-xs

PLOT DATE : 7/16/2025 9:40 AM PLOT BY : MATT TOMSOVIC PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



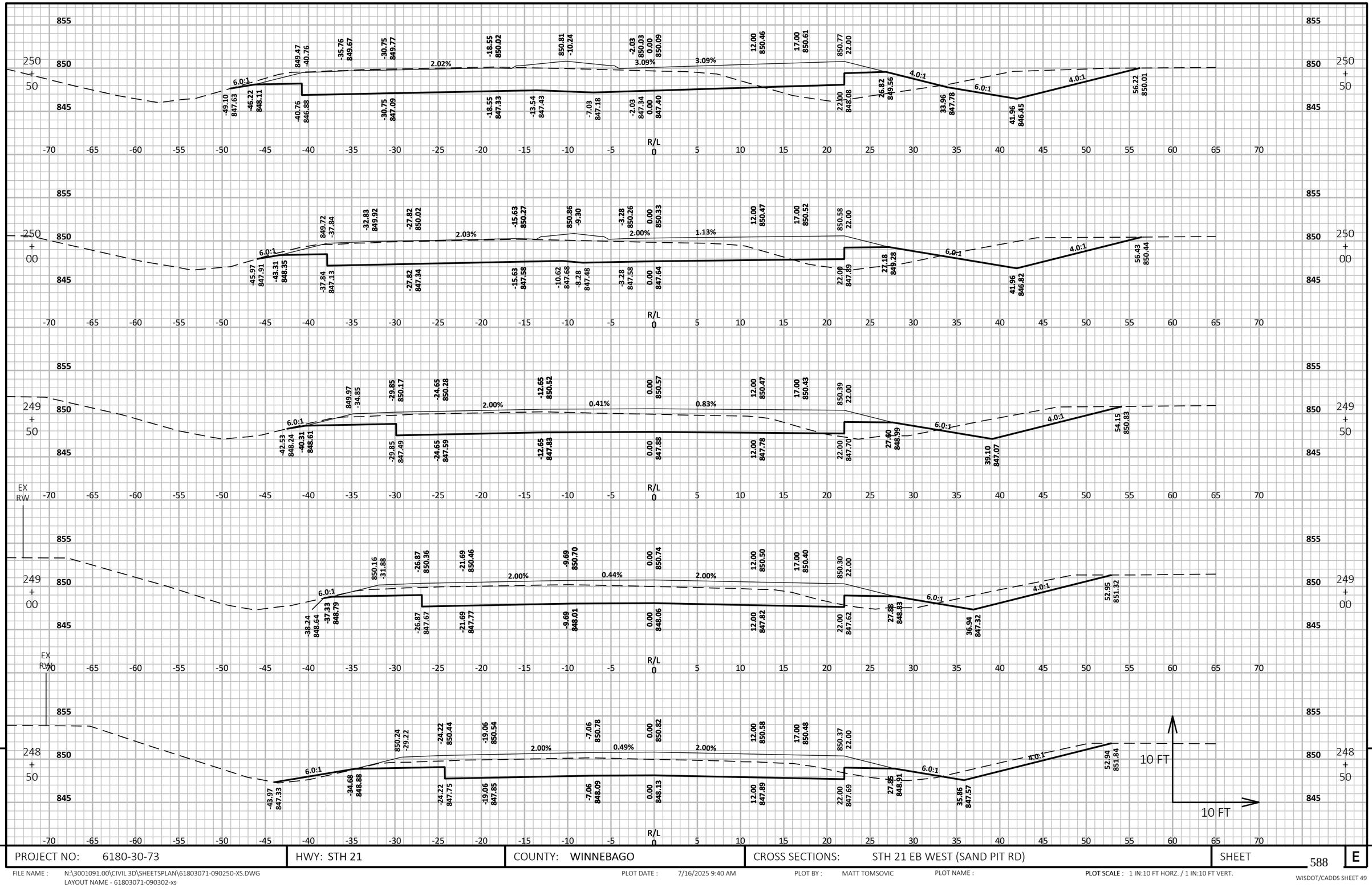
9

PROJECT NO: 6180-30-73	HWY: STH 21	COUNTY: WINNEBAGO	CROSS SECTIONS: STH 21 EB WEST (SAND PIT RD)	SHEET 587	E

FILE NAME : N:\3001091.00\CIVIL 3D\SHEETSPLAN\61803071-090250-XS.DWG
LAYOUT NAME - 61803071-090301-xs

PLOT DATE : 7/16/2025 9:40 AM PLOT BY : MATT TOMSOVIC PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



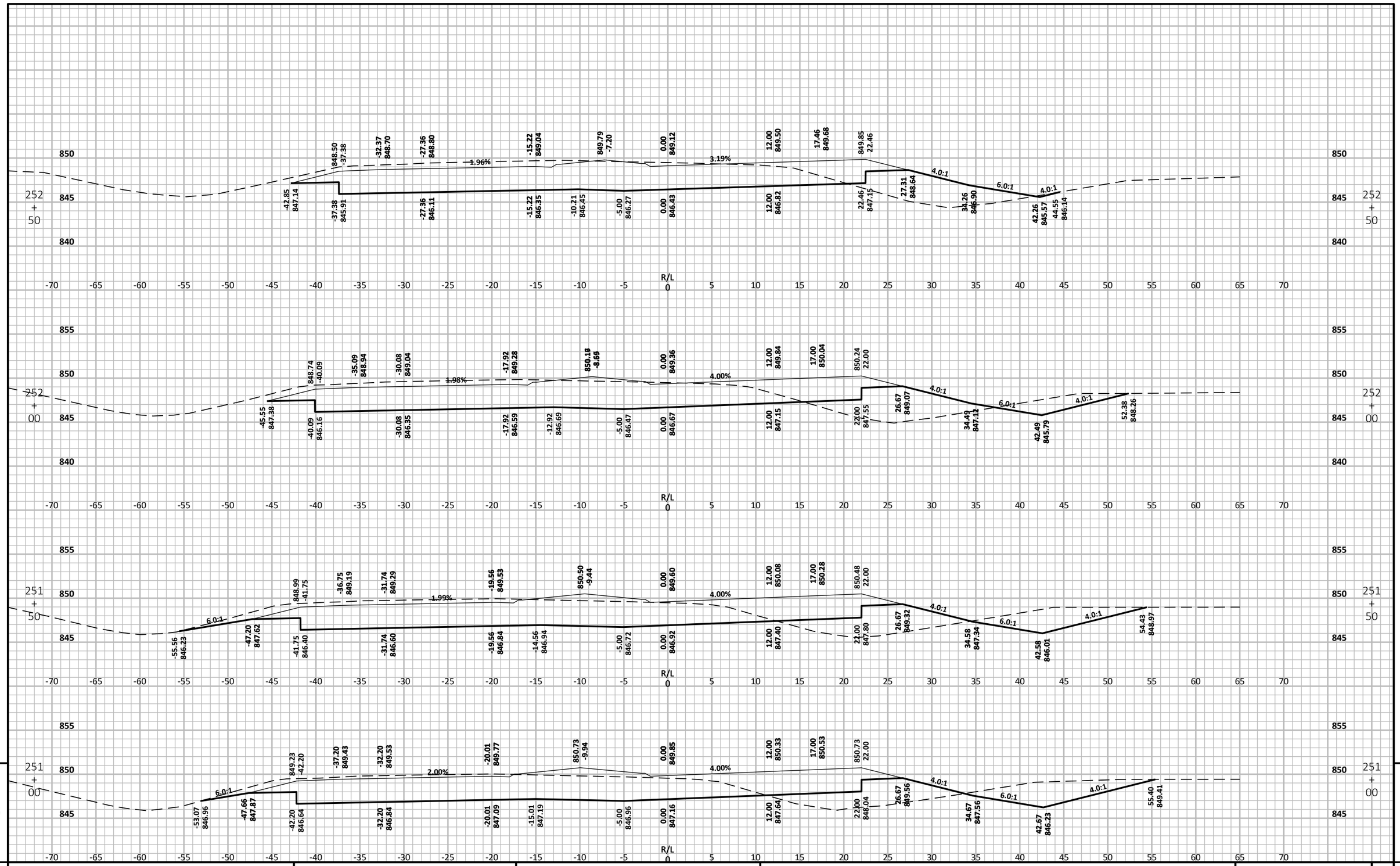
9

PROJECT NO: 6180-30-73	HWY: STH 21	COUNTY: WINNEBAGO	CROSS SECTIONS: STH 21 EB WEST (SAND PIT RD)	SHEET 588	E

FILE NAME : N:\3001091.00\CIVIL 3D\SHEETSPLAN\61803071-090250-XS.DWG
LAYOUT NAME - 61803071-090302-xs

PLOT DATE : 7/16/2025 9:40 AM PLOT BY : MATT TOMSOVIC PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 6180-30-73	HWY: STH 21	COUNTY: WINNEBAGO	CROSS SECTIONS: STH 21 EB WEST (SAND PIT RD)	SHEET 589	E

FILE NAME : N:\3001091.00\CIVIL 3D\SHEETSPLAN\61803071-090250-XS.DWG
LAYOUT NAME - 61803071-090303-xs

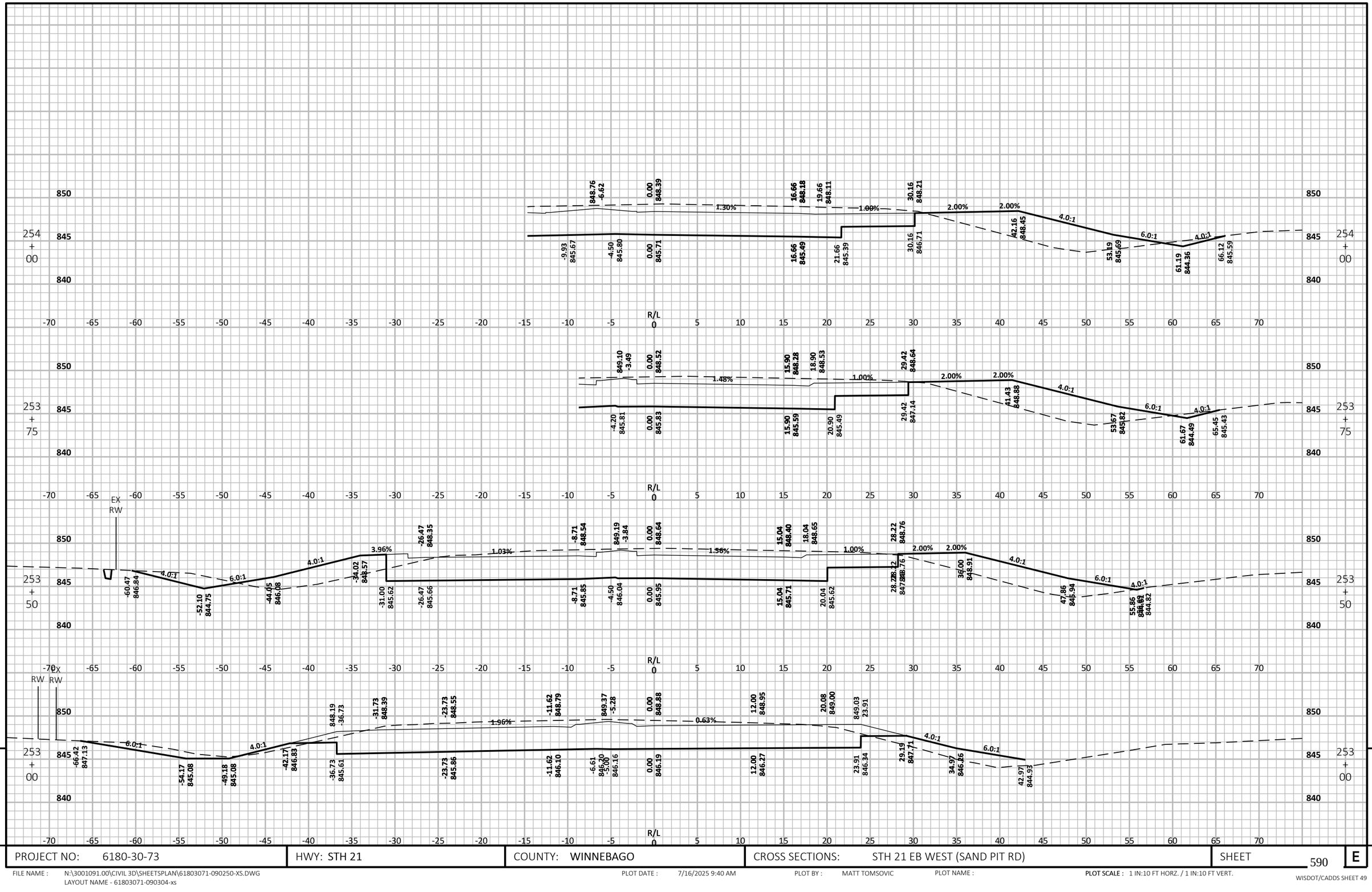
PLOT DATE : 7/16/2025 9:40 AM

PLOT BY : MATT TOMSOVIC

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



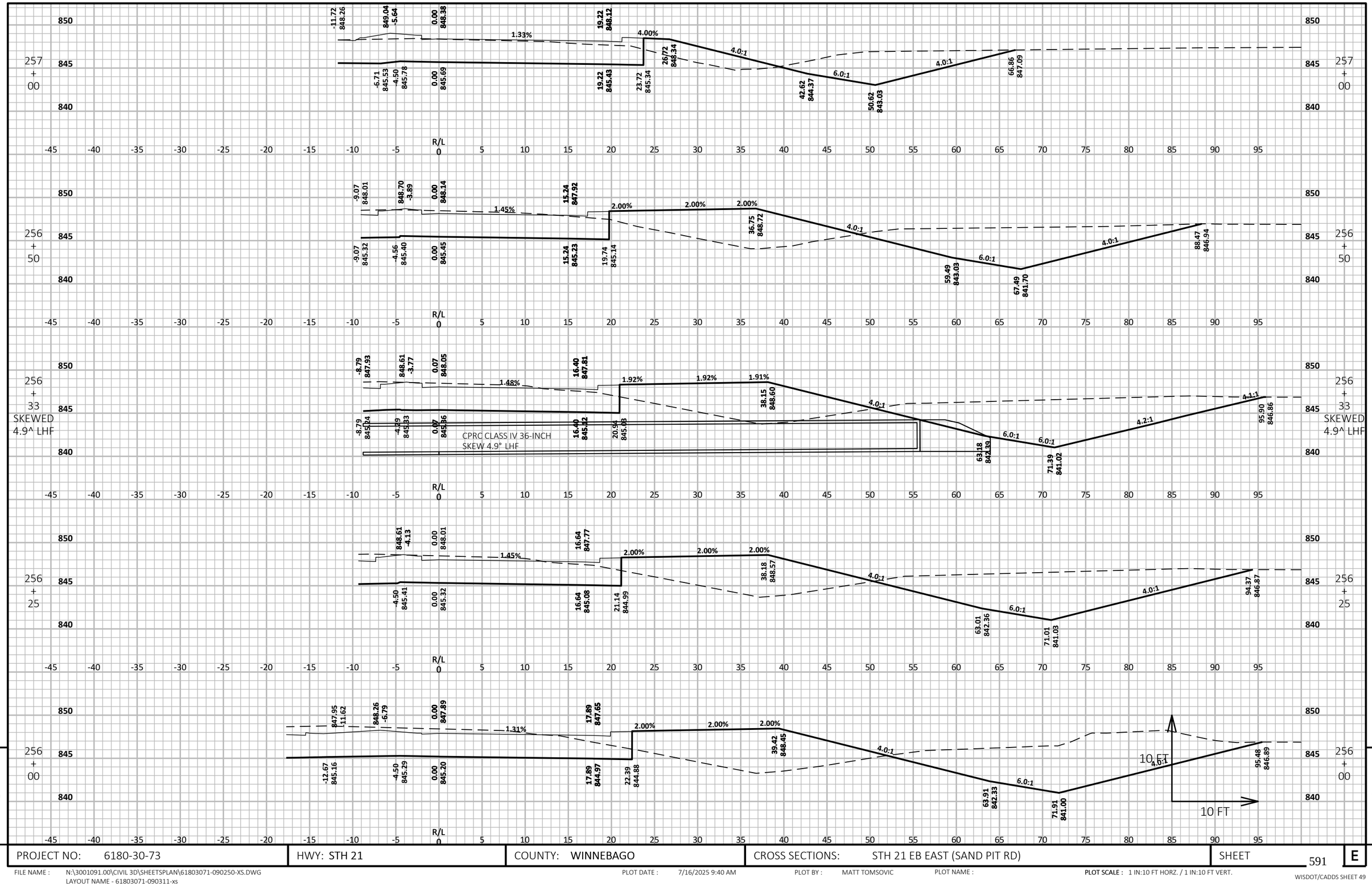
9

PROJECT NO: 6180-30-73	HWY: STH 21	COUNTY: WINNEBAGO	CROSS SECTIONS: STH 21 EB WEST (SAND PIT RD)	SHEET 590 E

FILE NAME : N:\3001091.00\CIVIL 3D\SHEETSPLAN\61803071-090250-XS.DWG
LAYOUT NAME - 61803071-090304-xs

PLOT DATE : 7/16/2025 9:40 AM PLOT BY : MATT TOMSOVIC PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 6180-30-73	HWY: STH 21	COUNTY: WINNEBAGO	CROSS SECTIONS: STH 21 EB EAST (SAND PIT RD)	SHEET 591 E

FILE NAME : N:\3001091.00\CIVIL 3D\SHEETSPLAN\61803071-090250-XS.DWG
LAYOUT NAME - 61803071-090311-xs

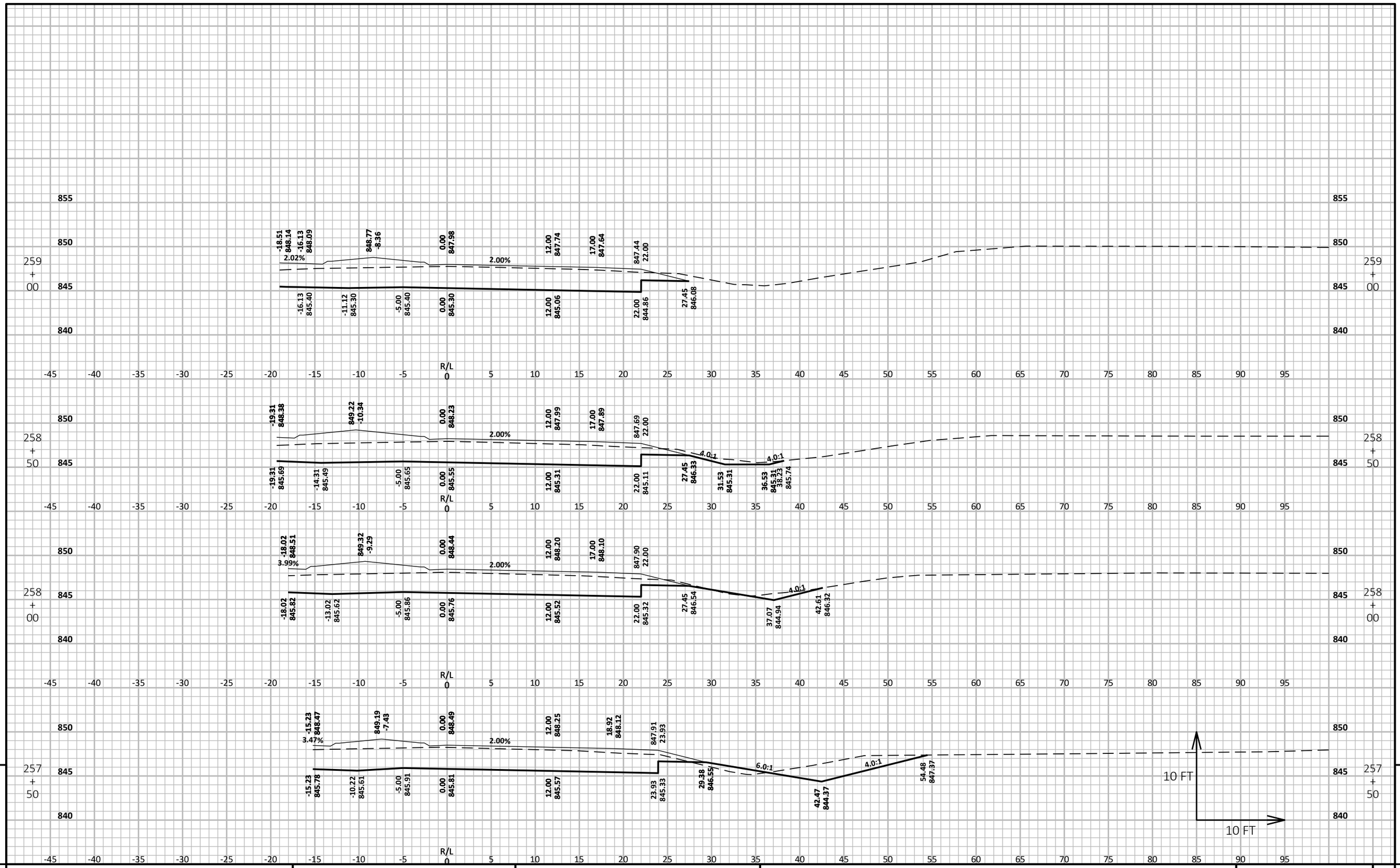
PLOT DATE : 7/16/2025 9:40 AM

PLOT BY : MATT TOMSOVIC

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

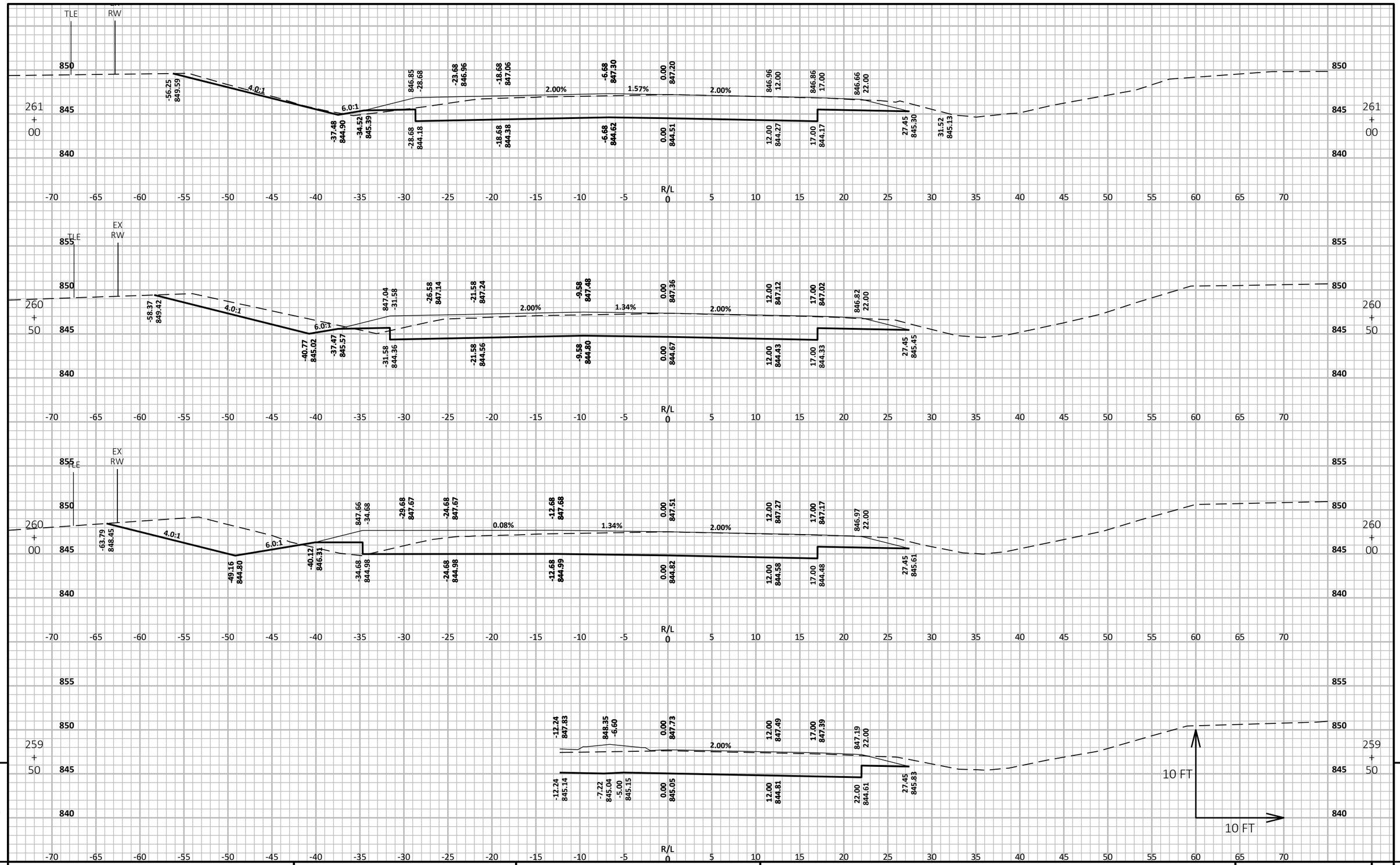
9

PROJECT NO: 6180-30-73	HWY: STH 21	COUNTY: WINNEBAGO	CROSS SECTIONS: STH 21 EB EAST (SAND PIT RD)	SHEET 592	E

FILE NAME : N:\3001091.00\CIVIL 3D\SHEETSPLAN\61803071-090250-XS.DWG
LAYOUT NAME - 61803071-090312-xs

PLOT DATE : 7/16/2025 9:40 AM PLOT BY : MATT TOMSOVIC PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



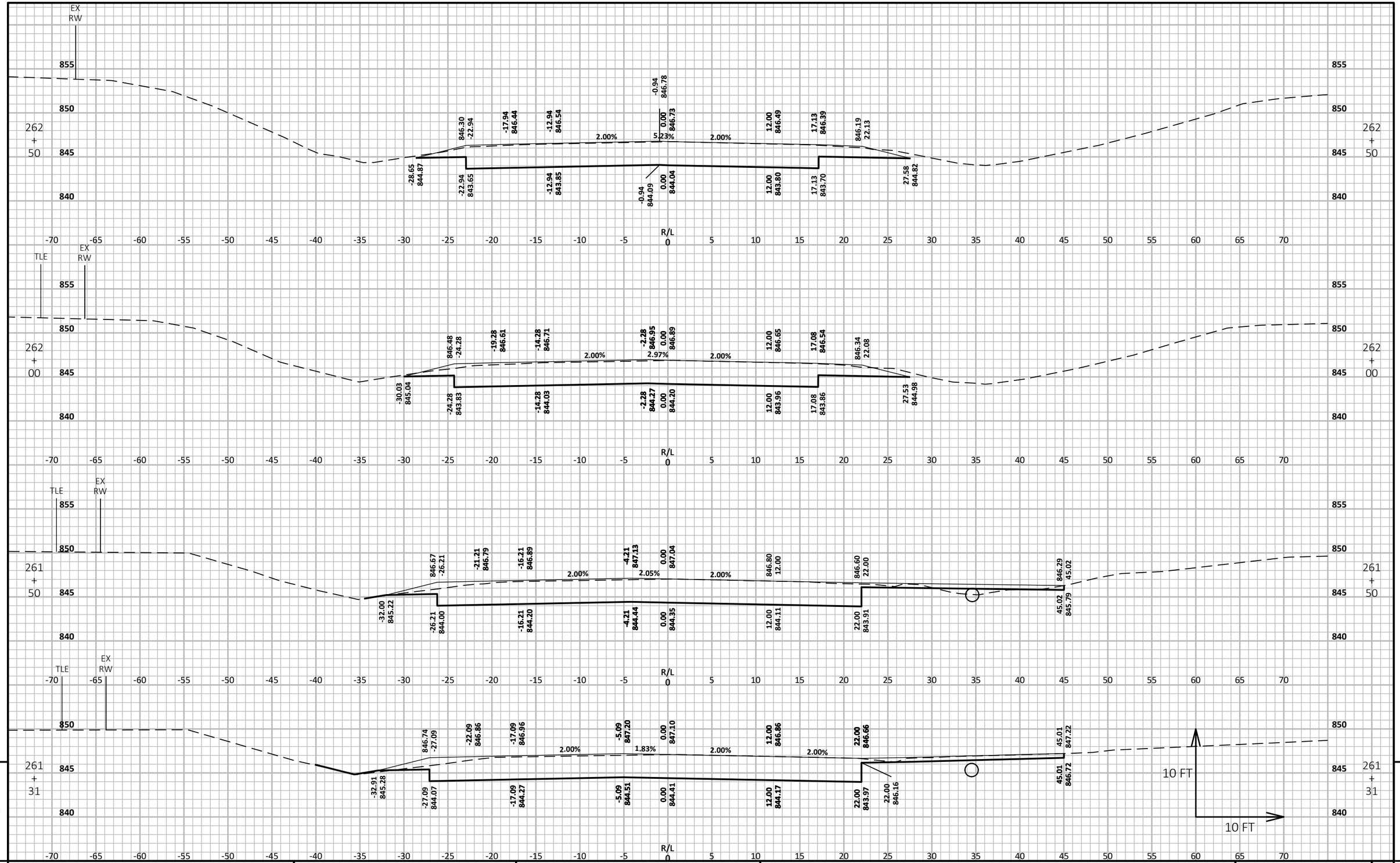
9

PROJECT NO: 6180-30-73	HWY: STH 21	COUNTY: WINNEBAGO	CROSS SECTIONS: STH 21 EB EAST (SAND PIT RD)	SHEET 593	E

FILE NAME : N:\3001091.00\CIVIL 3D\SHEETSPLAN\61803071-090250-XS.DWG
LAYOUT NAME - 61803071-090313-xs

PLOT DATE : 7/16/2025 9:40 AM PLOT BY : MATT TOMSOVIC PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



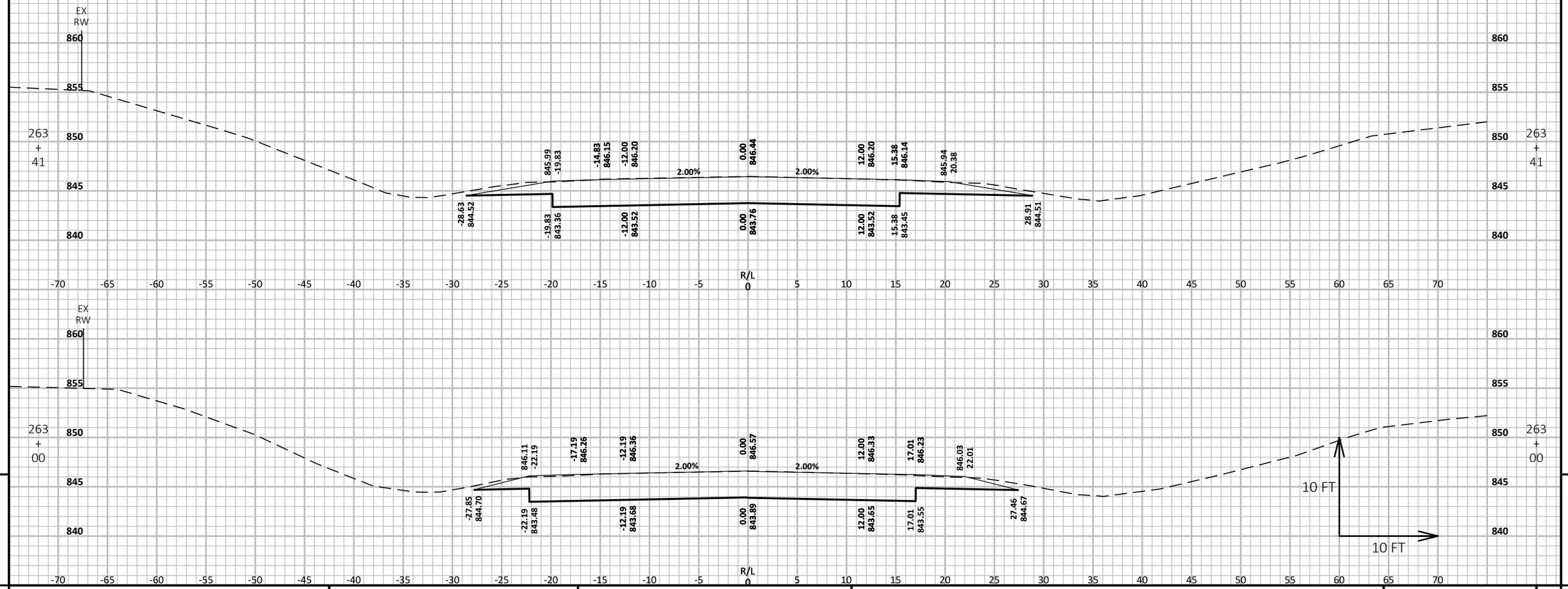
9

PROJECT NO: 6180-30-73	HWY: STH 21	COUNTY: WINNEBAGO	CROSS SECTIONS: STH 21 EB EAST (SAND PIT RD)	SHEET 594	E

FILE NAME : N:\3001091.00\CIVIL 3D\SHEETSPLAN\61803071-090250-XS.DWG
LAYOUT NAME - 61803071-090314-xs

PLOT DATE : 7/16/2025 9:40 AM PLOT BY : MATT TOMSOVIC PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 6180-30-73	HWY: STH 21	COUNTY: WINNEBAGO	CROSS SECTIONS: STH 21 EB EAST (SAND PIT RD)	SHEET 595	E

FILE NAME : N:\3001091.00\CIVIL 3D\SHEETSPLAN\61803071-090250-XS.DWG
LAYOUT NAME - 61803071-090315-xs

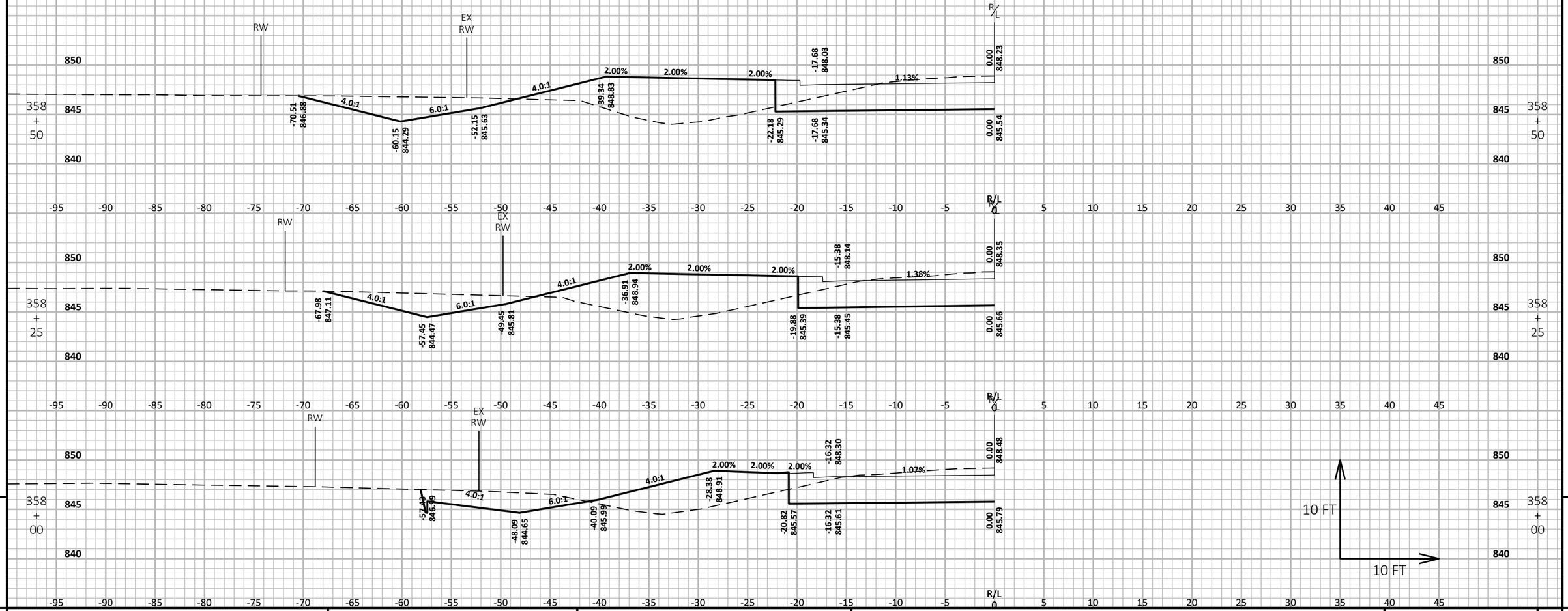
PLOT DATE : 7/16/2025 9:40 AM

PLOT BY : MATT TOMSOVIC

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

PROJECT NO: 6180-30-73	HWY: STH 21	COUNTY: WINNEBAGO	CROSS SECTIONS: STH 21 WB WEST (SAND PIT RD)	SHEET 596	E

FILE NAME : N:\3001091.00\CIVIL 3D\SHEETSPLAN\61803071-090250-XS.DWG
LAYOUT NAME - 61803071-090321-xs

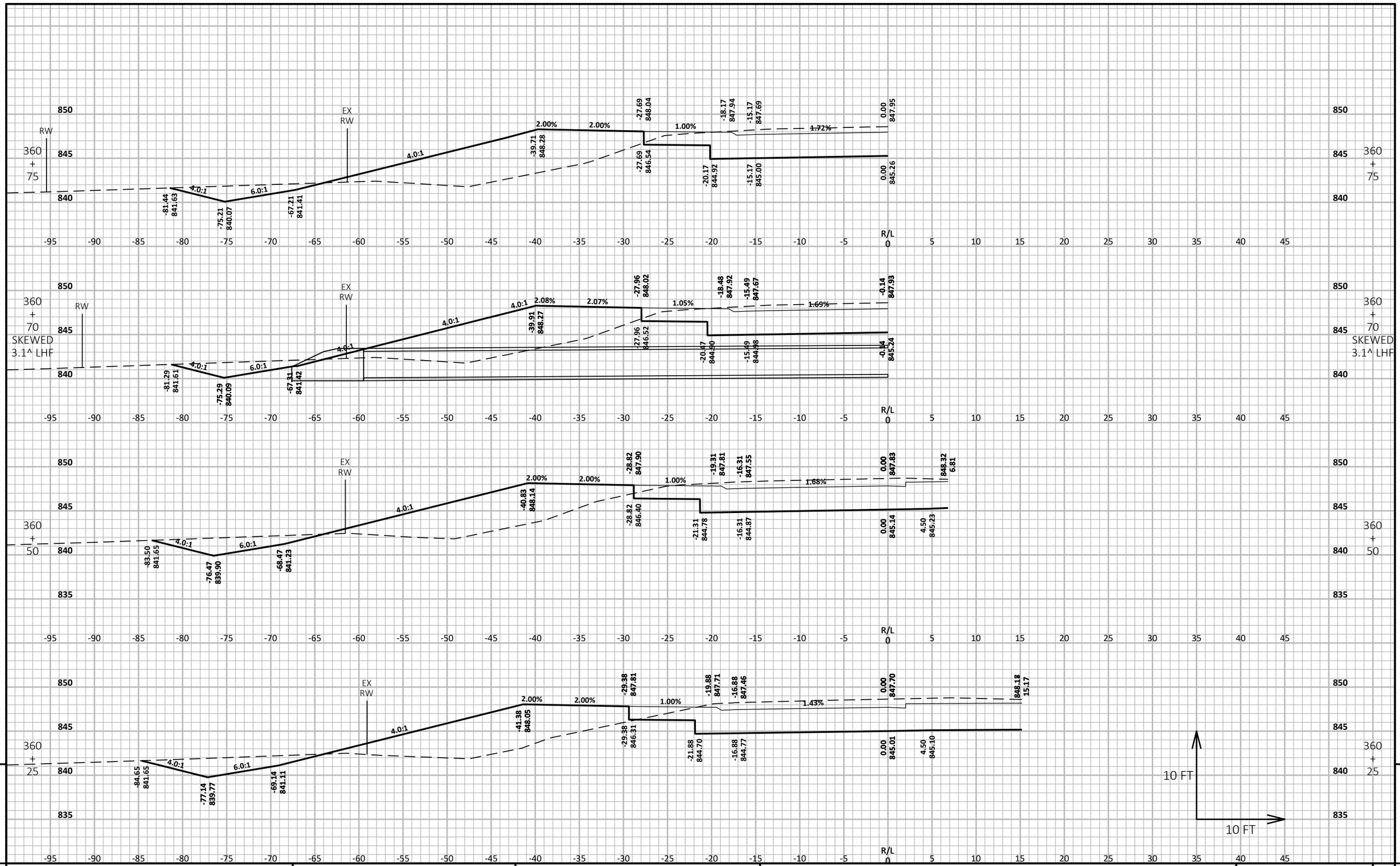
PLOT DATE : 7/16/2025 9:40 AM

PLOT BY : MATT TOMSOVIC

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



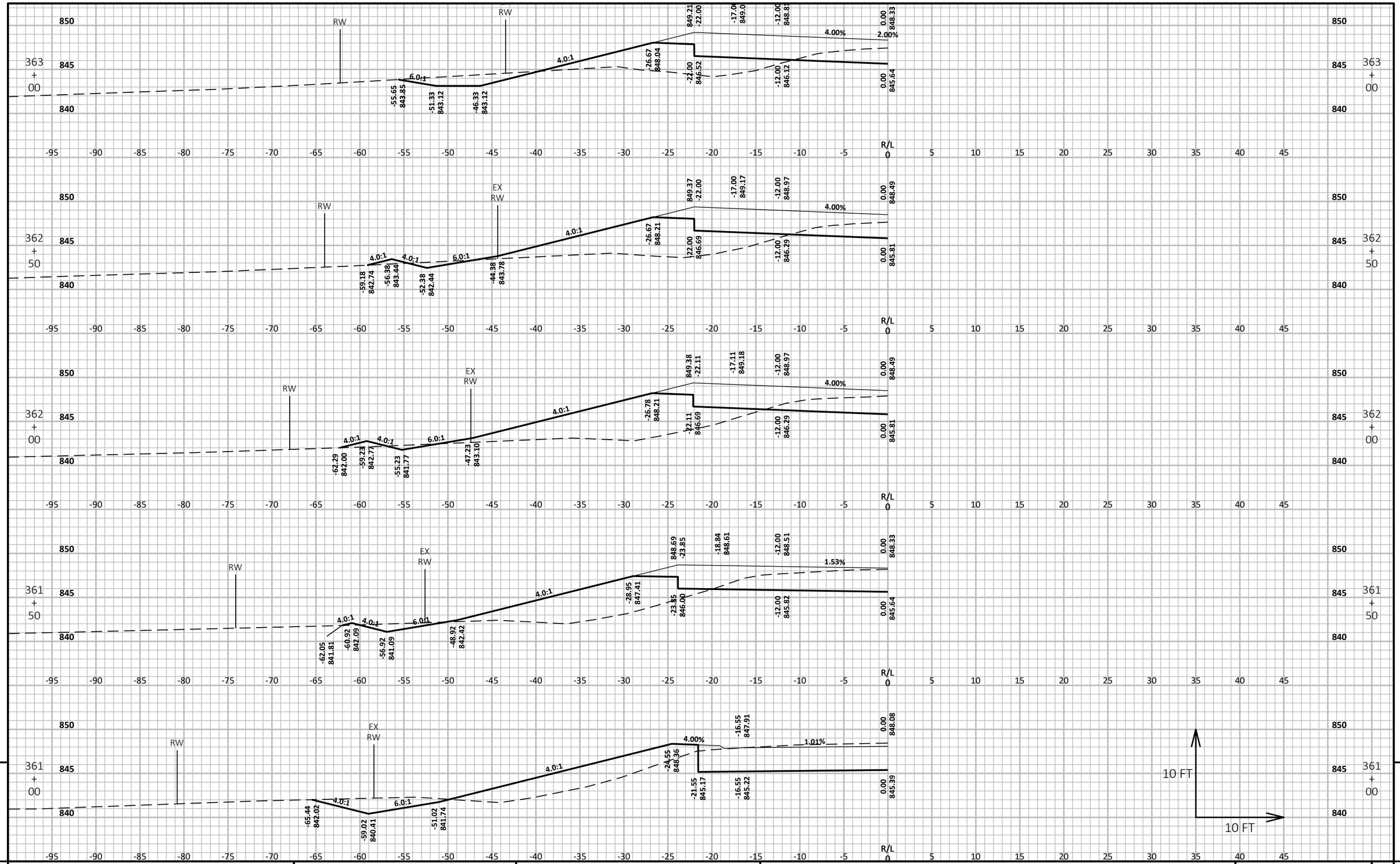
9

PROJECT NO: 6180-30-73	HWY: STH 21	COUNTY: WINNEBAGO	CROSS SECTIONS: STH 21 WB EAST (SAND PIT RD)	SHEET 597	E

FILE NAME : N:\3001091.00\CIVIL 3D\SHEETSPLAN\61803071-090250-XS.DWG
LAYOUT NAME - 61803071-090331-xs

PLOT DATE : 7/16/2025 9:41 AM PLOT BY : MATT TOMSOVIC PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

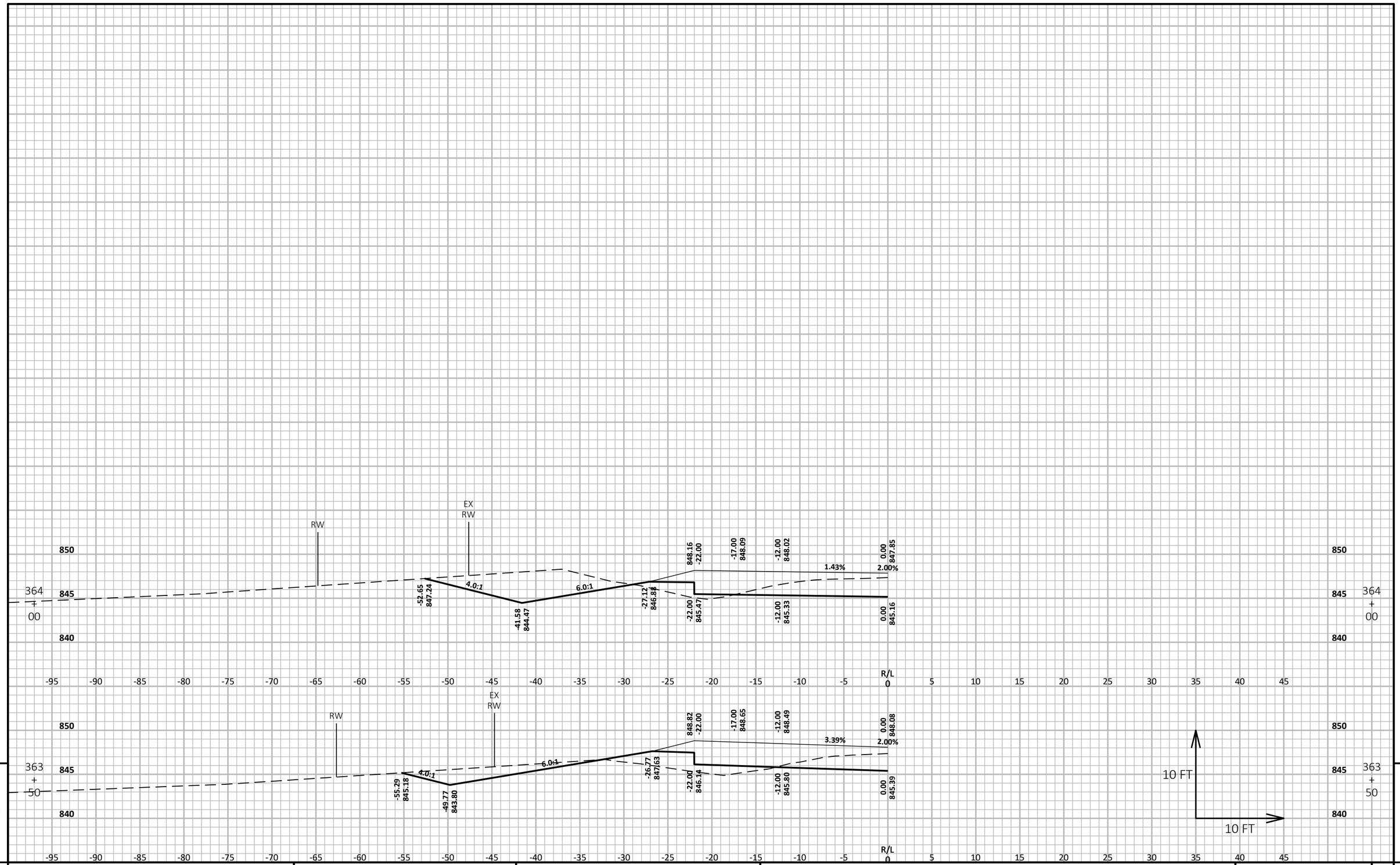


PROJECT NO: 6180-30-73	HWY: STH 21	COUNTY: WINNEBAGO	CROSS SECTIONS: STH 21 WB EAST (SAND PIT RD)	SHEET 598	E

FILE NAME : N:\3001091.00\CIVIL 3D\SHEETSPLAN\61803071-090250-XS.DWG
LAYOUT NAME - 61803071-090332-xs

PLOT DATE : 7/16/2025 9:41 AM PLOT BY : MATT TOMSOVIC PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



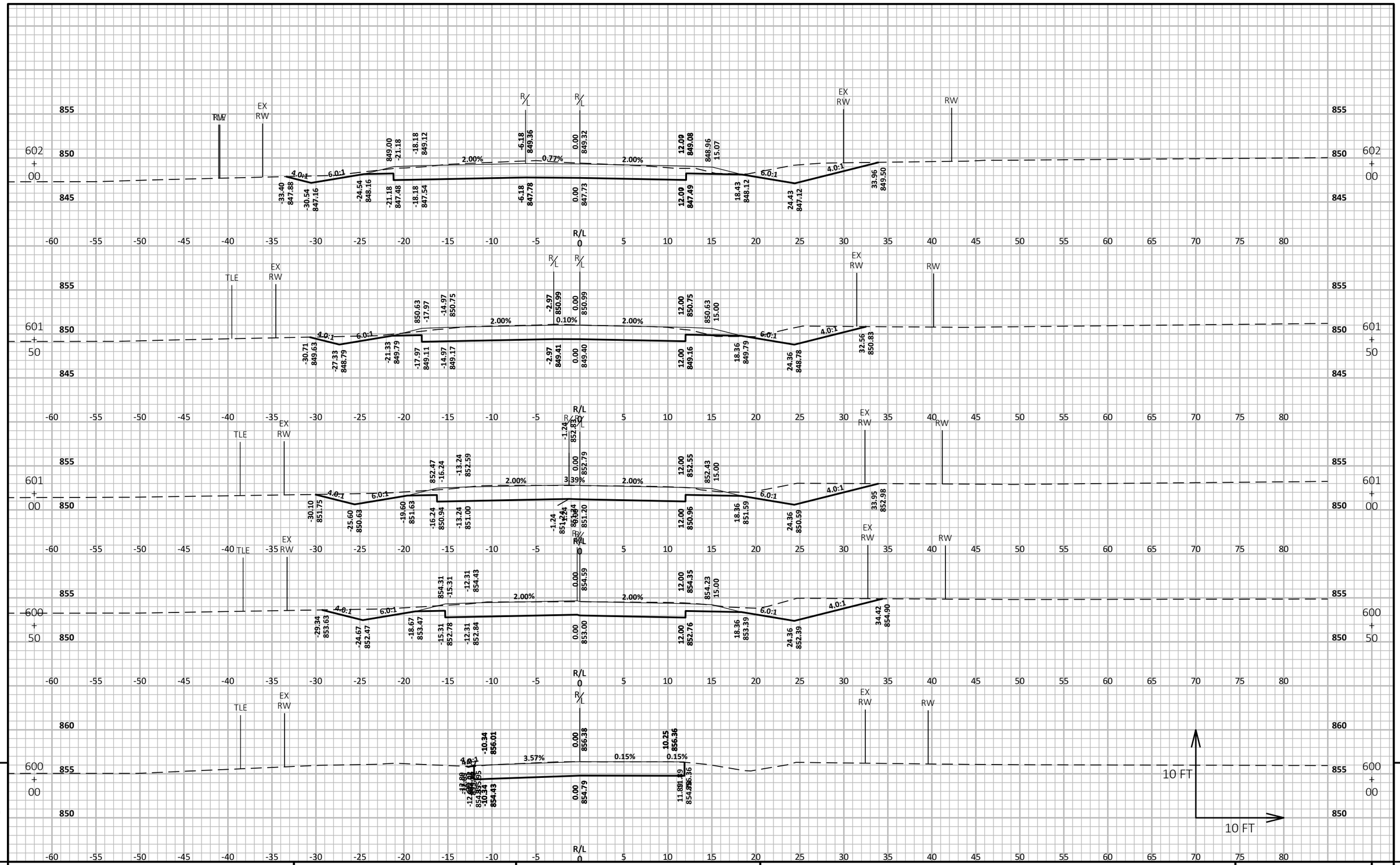
9

PROJECT NO: 6180-30-73	HWY: STH 21	COUNTY: WINNEBAGO	CROSS SECTIONS: STH 21 WB EAST (SAND PIT RD)	SHEET 599	E

FILE NAME : N:\3001091.00\CIVIL 3D\SHEETSPLAN\61803071-090250-XS.DWG
LAYOUT NAME - 61803071-090333-xs

PLOT DATE : 7/16/2025 9:41 AM PLOT BY : MATT TOMSOVIC PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

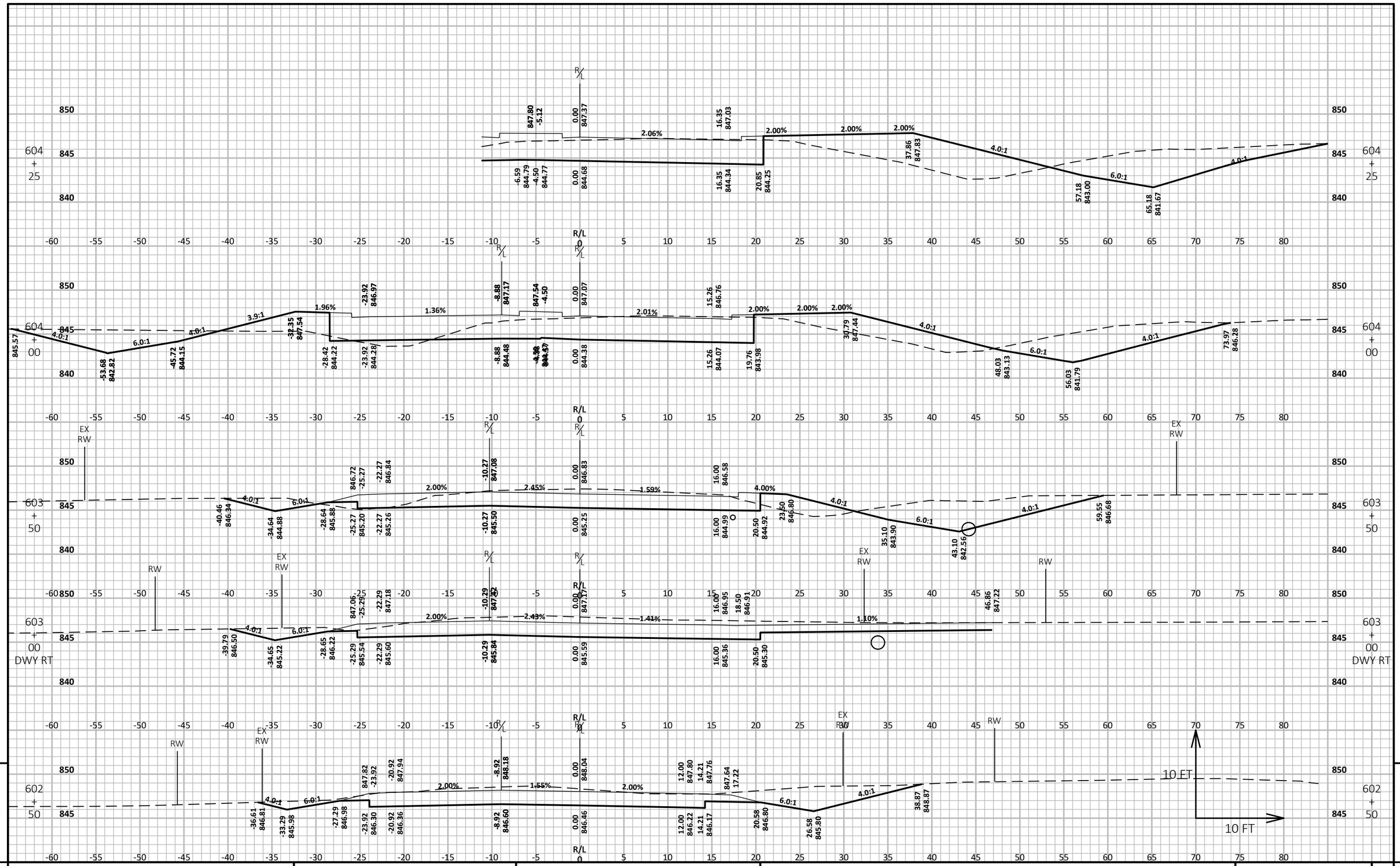


PROJECT NO: 6180-30-73	HWY: STH 21	COUNTY: WINNEBAGO	CROSS SECTIONS: SAND PIT RD NB SOUTH	SHEET 600 E

FILE NAME : N:\3001091.00\CIVIL 3D\SHEETSPLAN\61803071-090250-XS.DWG
LAYOUT NAME - 61803071-090334-xs

PLOT DATE : 7/16/2025 9:41 AM PLOT BY : MATT TOMSOVIC PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



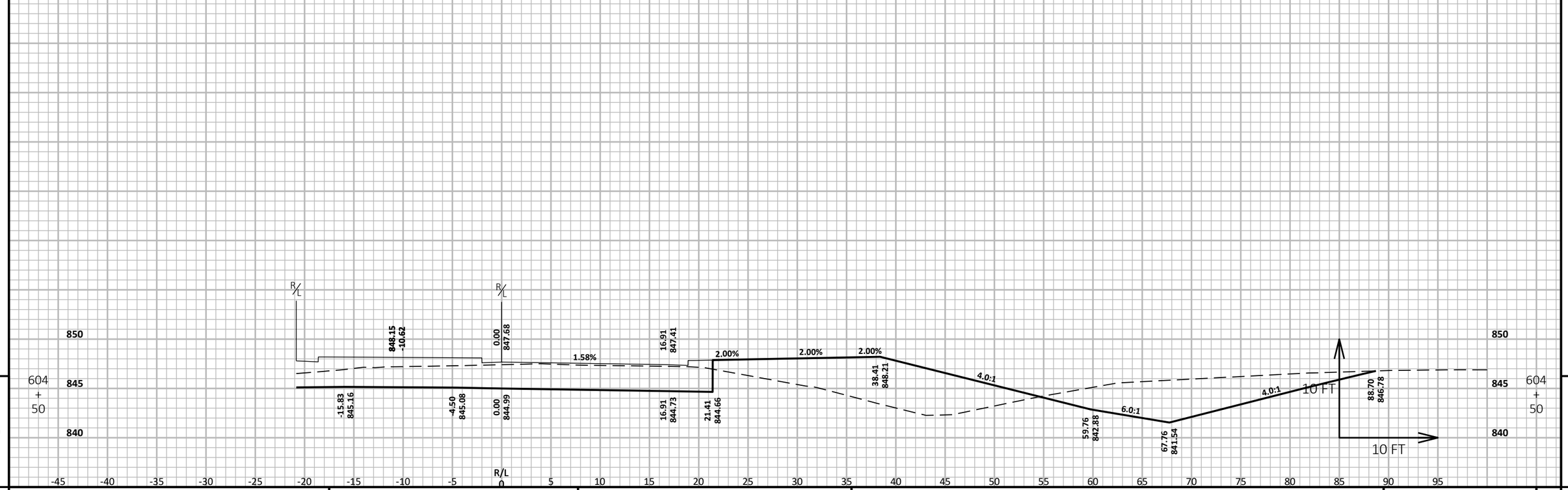
9

PROJECT NO: 6180-30-73	HWY: STH 21	COUNTY: WINNEBAGO	CROSS SECTIONS: SAND PIT RD NB SOUTH	SHEET 601	E

FILE NAME : N:\3001091.00\CIVIL 3D\SHEETSPLAN\61803071-090250-XS.DWG
LAYOUT NAME - 61803071-090335-xs

PLOT DATE : 7/16/2025 9:41 AM PLOT BY : MATT TOMSOVIC PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



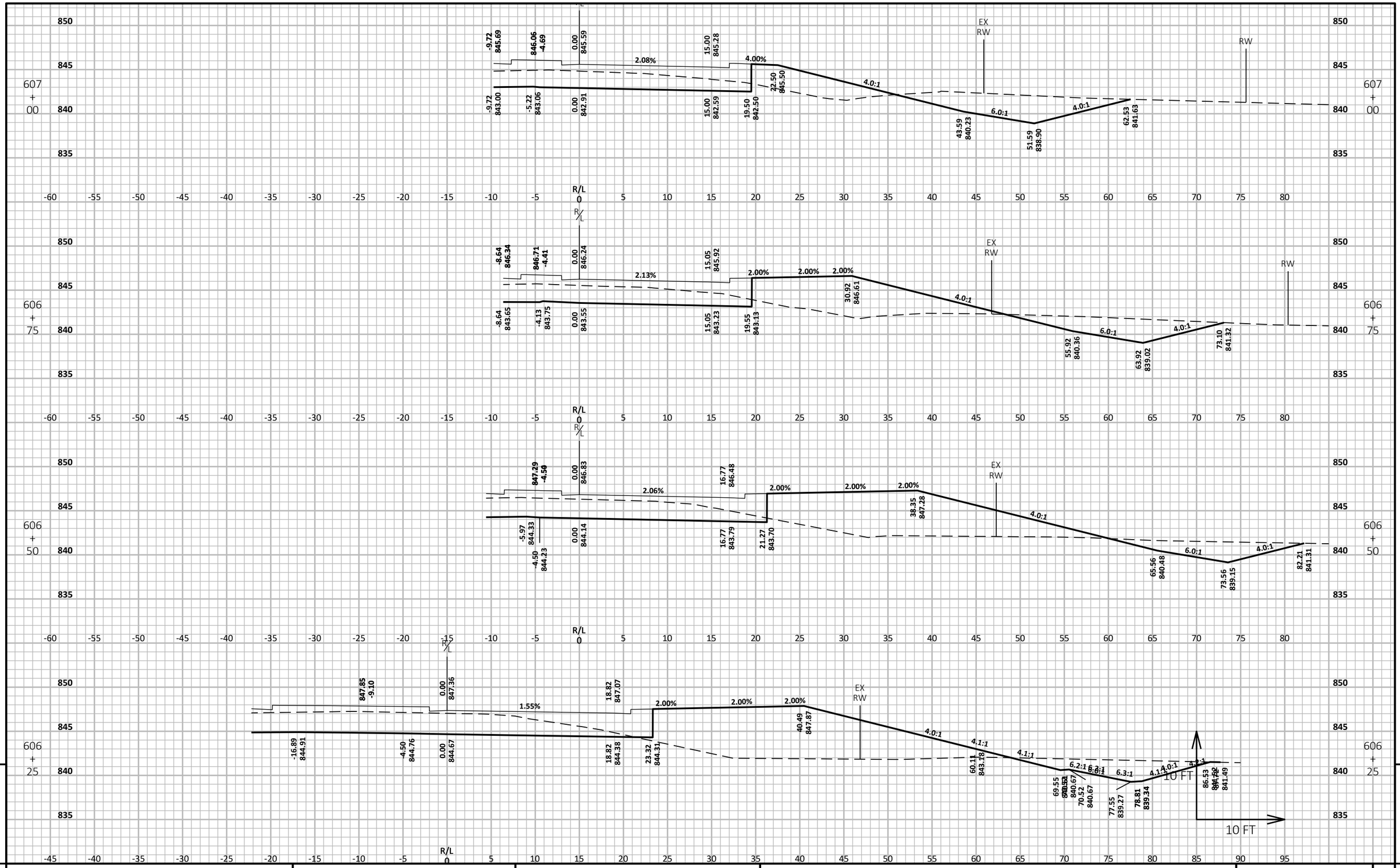
9

PROJECT NO: 6180-30-73	HWY: STH 21	COUNTY: WINNEBAGO	CROSS SECTIONS: SAND PIT RD NB SOUTH	SHEET 602	E

FILE NAME : N:\3001091.00\CIVIL 3D\SHEETSPLAN\61803071-090250-XS.DWG
LAYOUT NAME - 61803071-090336-xs

PLOT DATE : 7/16/2025 9:41 AM PLOT BY : MATT TOMSOVIC PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



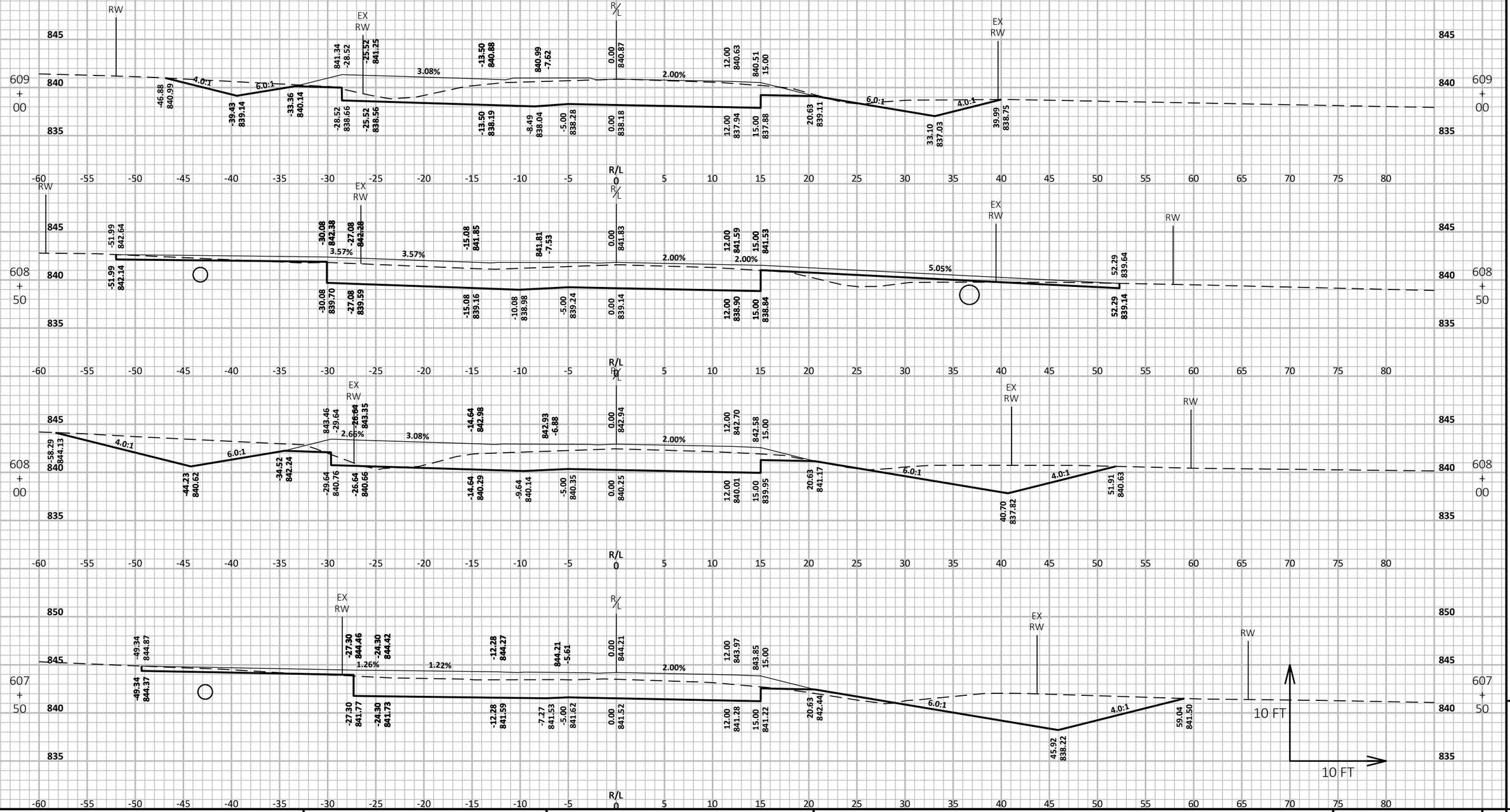
9

PROJECT NO: 6180-30-73	HWY: STH 21	COUNTY: WINNEBAGO	CROSS SECTIONS: SAND PT RD NB NORTH	SHEET 603 E

FILE NAME : N:\3001091.00\CIVIL 3D\SHEETSPLAN\61803071-090250-XS.DWG
LAYOUT NAME - 61803071-090361-xs

PLOT DATE : 7/16/2025 9:41 AM PLOT BY : MATT TOMSOVIC PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 6180-30-73	HWY: STH 21	COUNTY: WINNEBAGO	CROSS SECTIONS: SAND PT RD NB NORTH	SHEET 604	E

FILE NAME : N:\3001091.00\CIVIL 3D\SHEETSPLAN\61803071-090250-XS.DWG
LAYOUT NAME - 61803071-090362-xs

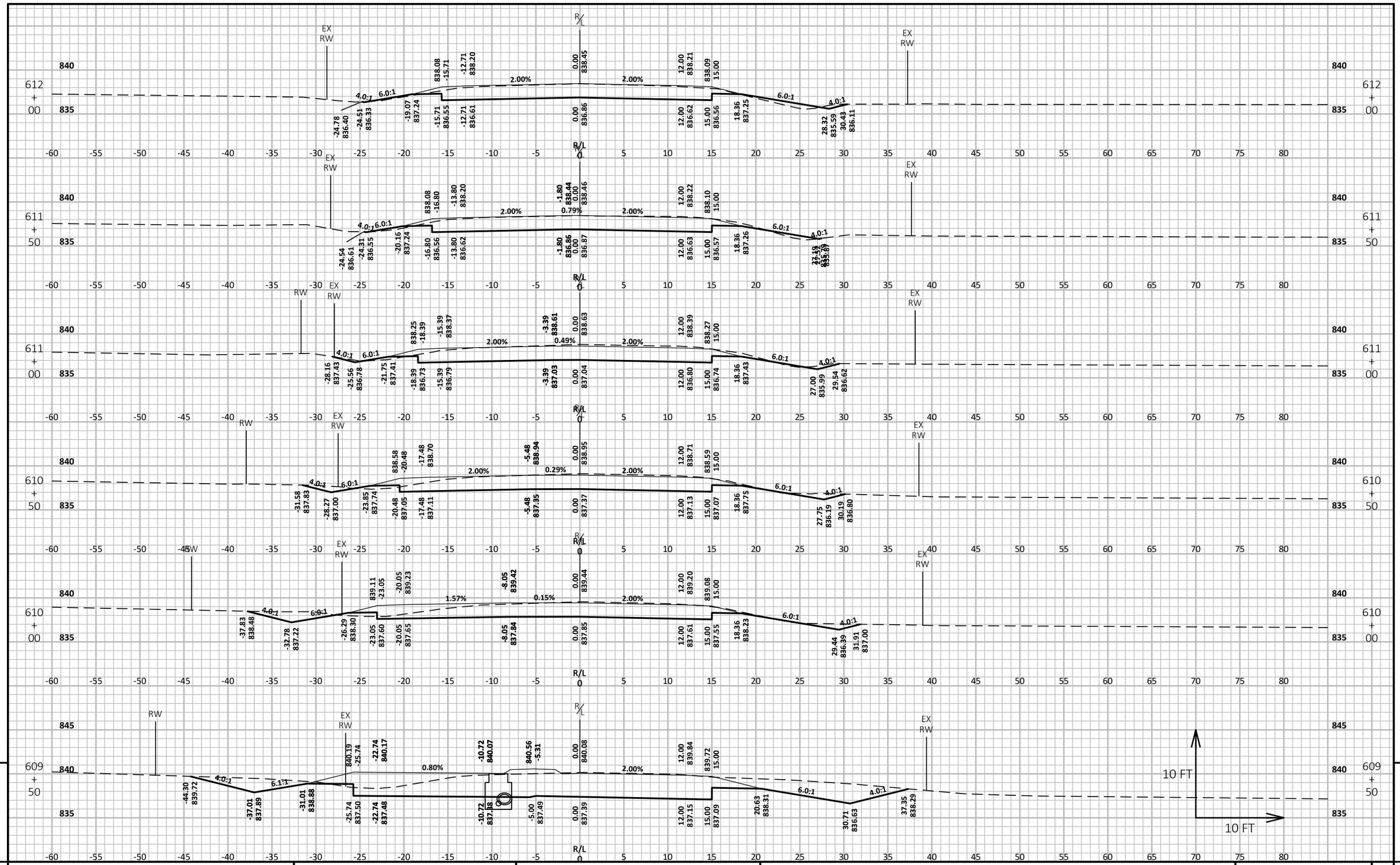
PLOT DATE : 7/16/2025 9:41 AM

PLOT BY : MATT TOMSOVIC

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

PROJECT NO: 6180-30-73	HWY: STH 21	COUNTY: WINNEBAGO	CROSS SECTIONS: SAND PT RD NB NORTH	SHEET 605	E

FILE NAME : N:\3001091.00\CIVIL 3D\SHEETSPLAN\61803071-090250-XS.DWG
LAYOUT NAME - 61803071-090363-xs

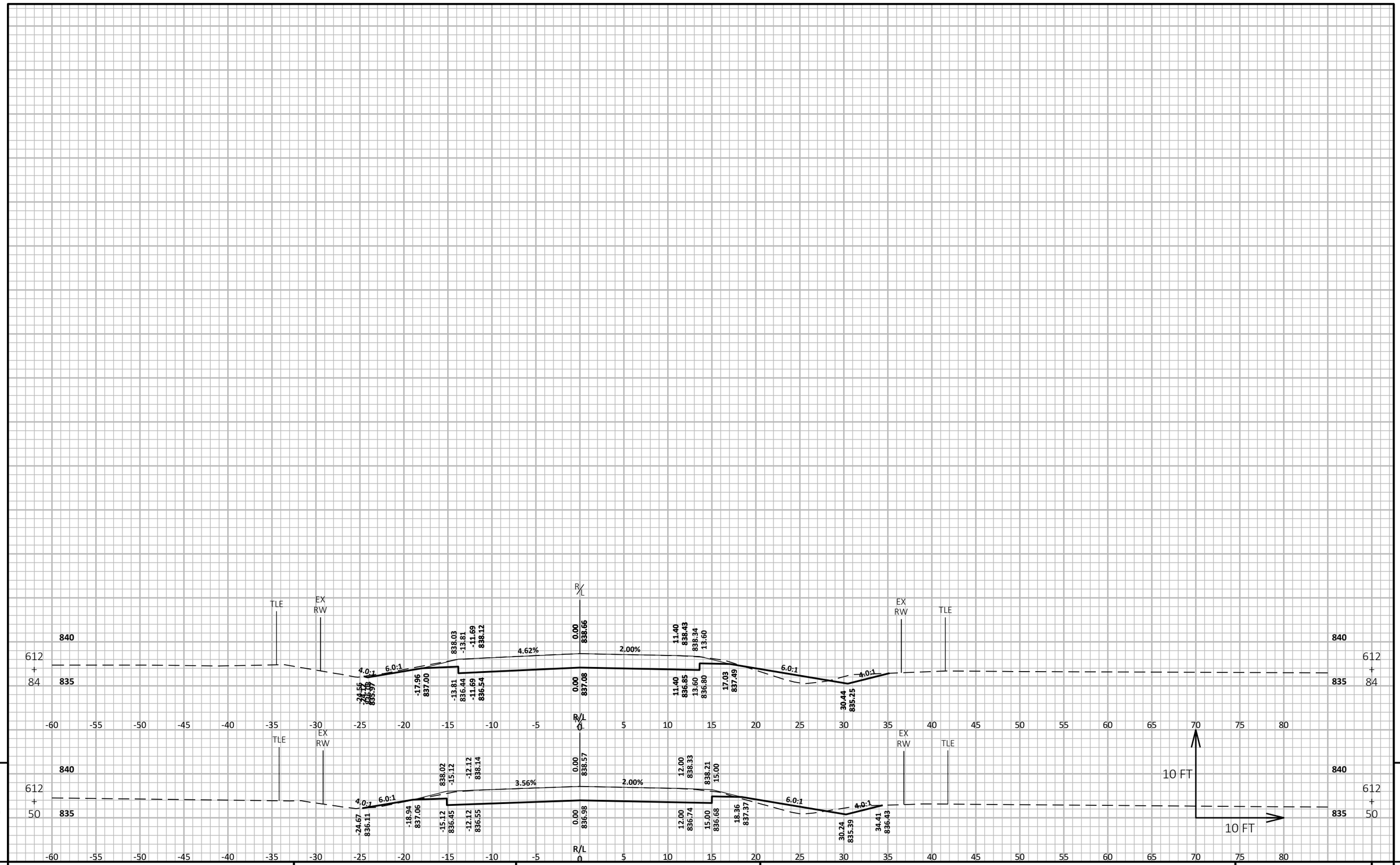
PLOT DATE : 7/16/2025 9:41 AM

PLOT BY : MATT TOMSOVIC

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



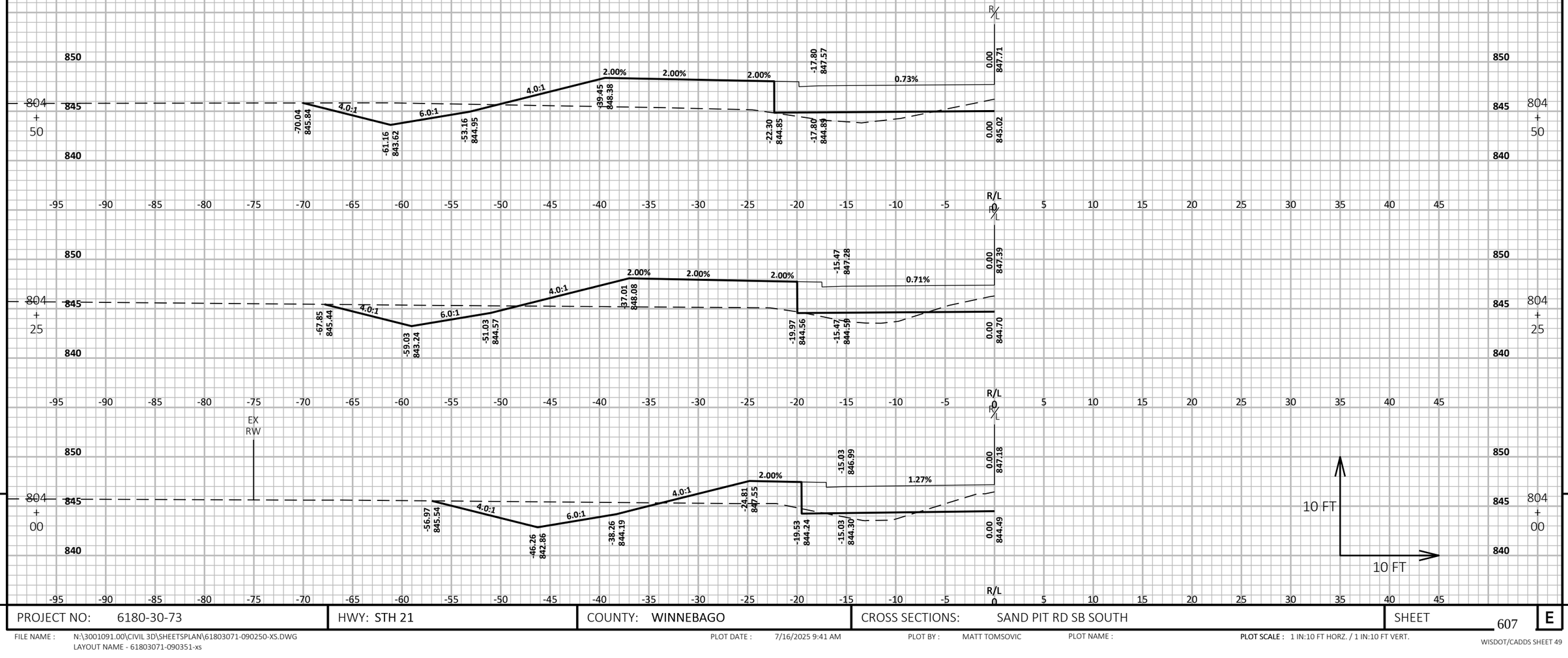
9 9

PROJECT NO: 6180-30-73	HWY: STH 21	COUNTY: WINNEBAGO	CROSS SECTIONS: SAND PT RD NB NORTH	SHEET 606	E

FILE NAME : N:\3001091.00\CIVIL 3D\SHEETSPLAN\61803071-090250-XS.DWG
LAYOUT NAME - 61803071-090364-xs

PLOT DATE : 7/16/2025 9:41 AM PLOT BY : MATT TOMSOVIC PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

PROJECT NO: 6180-30-73	HWY: STH 21	COUNTY: WINNEBAGO	CROSS SECTIONS: SAND PIT RD SB SOUTH	SHEET 607 E

FILE NAME : N:\3001091.00\CIVIL 3D\SHEETSPLAN\61803071-090250-XS.DWG
LAYOUT NAME - 61803071-090351-xs

PLOT DATE : 7/16/2025 9:41 AM PLOT BY : MATT TOMSOVIC PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

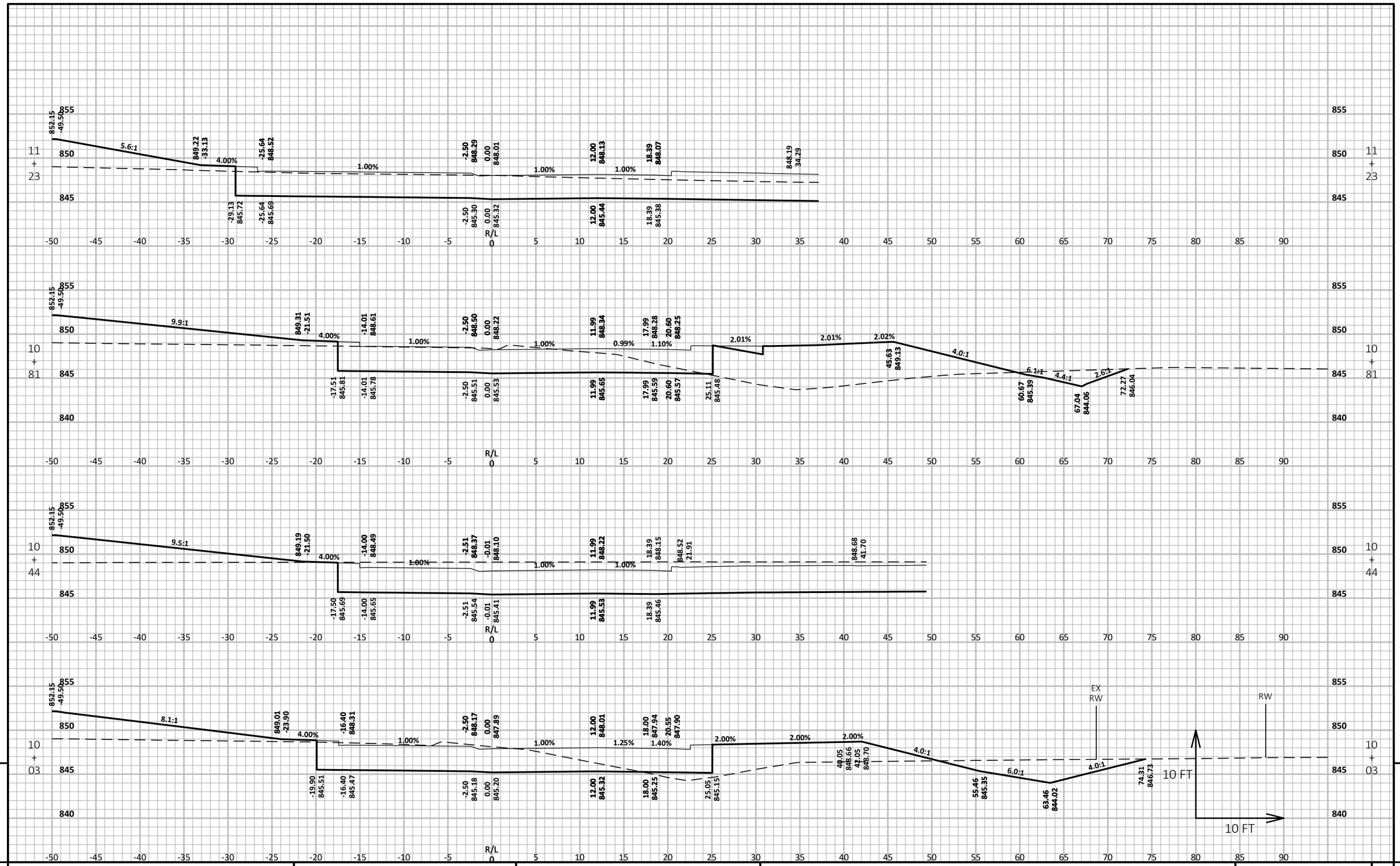
9

PROJECT NO: 6180-30-73	HWY: STH 21	COUNTY: WINNEBAGO	CROSS SECTIONS: SAND PIT RD SB NORTH	SHEET 608	E

FILE NAME : N:\3001091.00\CIVIL 3D\SHEETSPLAN\61803071-090250-XS.DWG
LAYOUT NAME - 61803071-090371-xs

PLOT DATE : 7/16/2025 9:42 AM PLOT BY : MATT TOMSOVIC PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

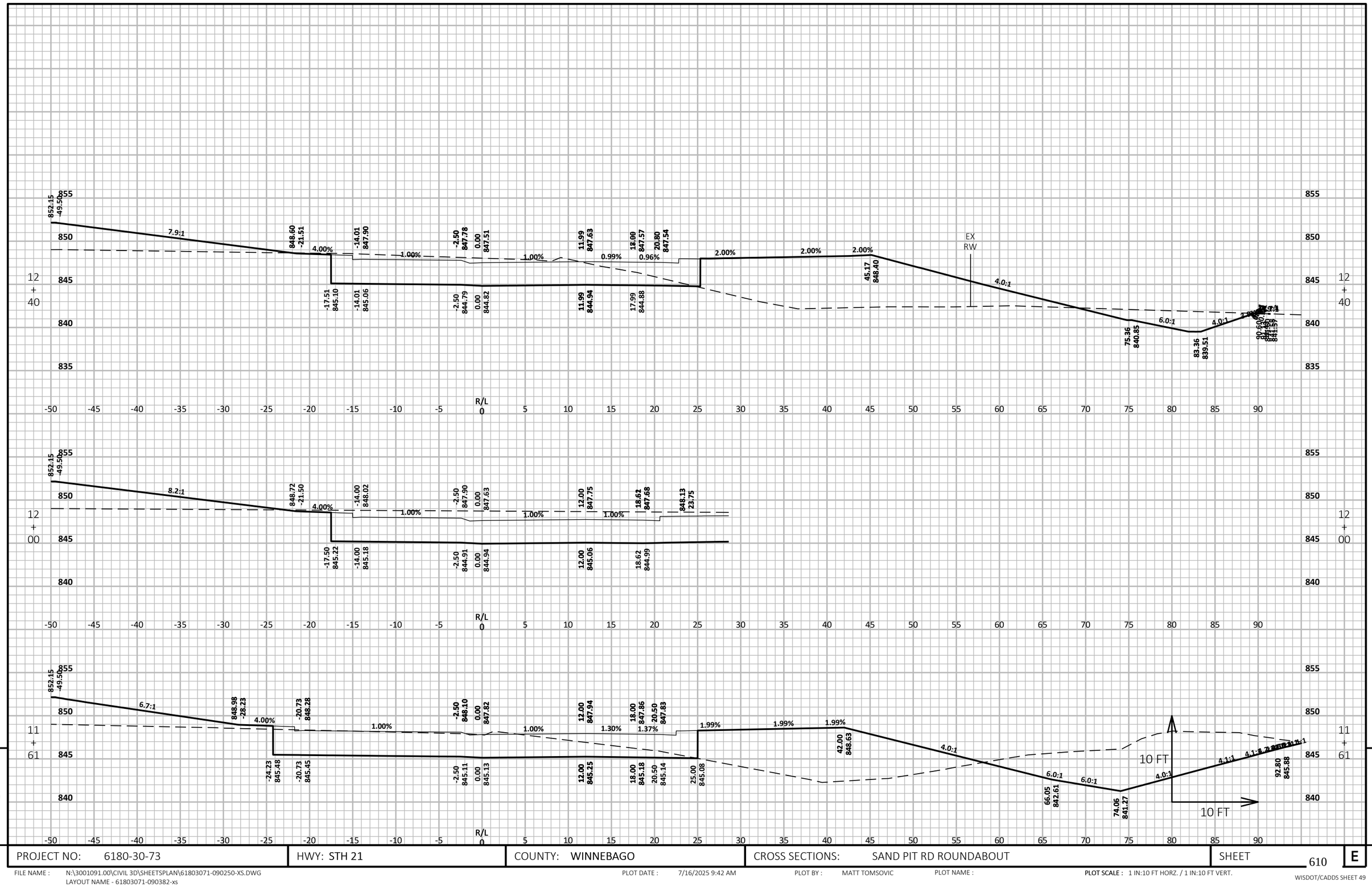


PROJECT NO: 6180-30-73	HWY: STH 21	COUNTY: WINNEBAGO	CROSS SECTIONS: SAND PIT RD ROUNDABOUT	SHEET 609 E

FILE NAME : N:\3001091.00\CIVIL 3D\SHEETSPLAN\61803071-090250-XS.DWG
LAYOUT NAME - 61803071-090381-xs

PLOT DATE : 7/16/2025 9:42 AM PLOT BY : MATT TOMSOVIC PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

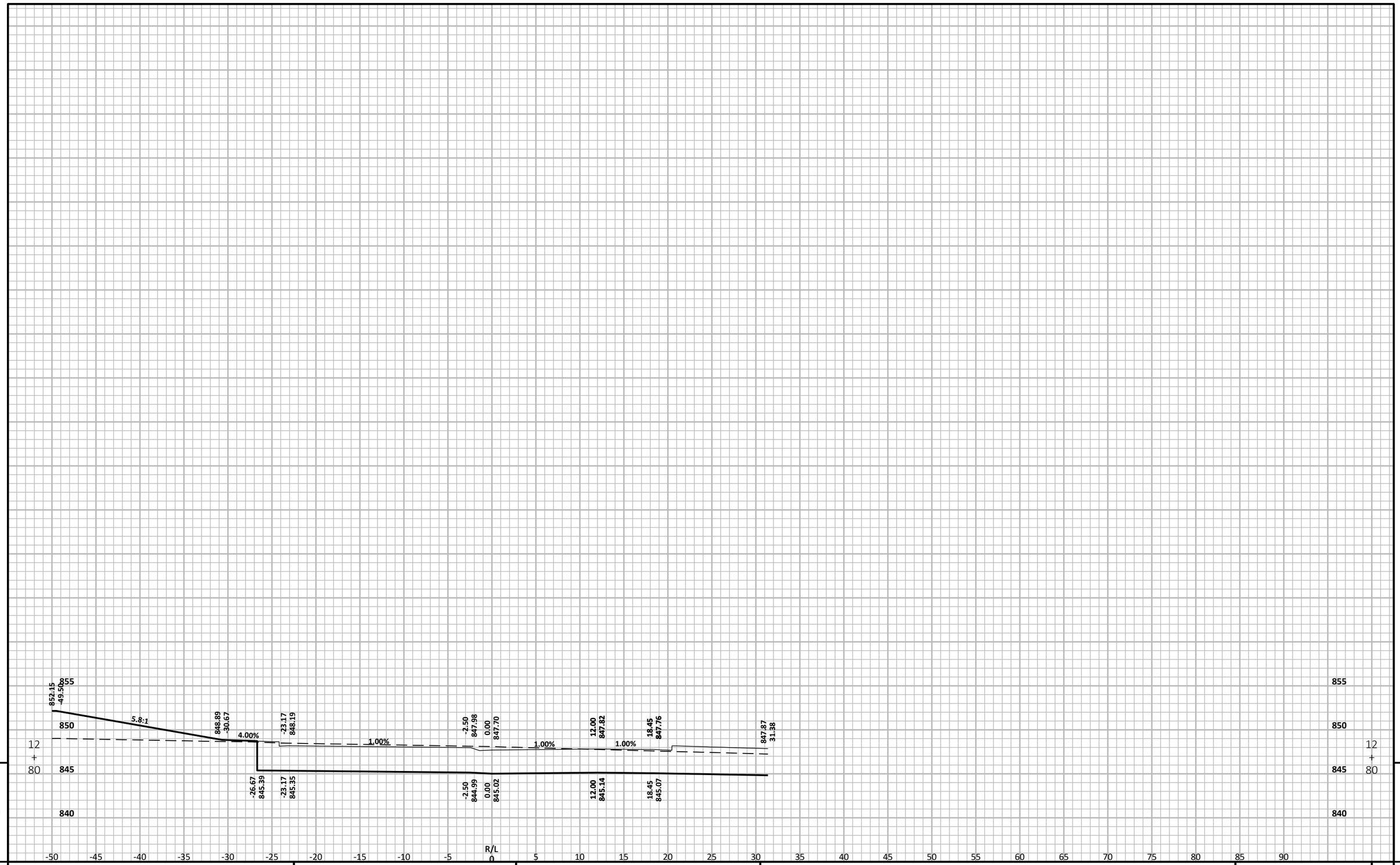


PROJECT NO: 6180-30-73	HWY: STH 21	COUNTY: WINNEBAGO	CROSS SECTIONS: SAND PIT RD ROUNDABOUT	SHEET 610	E

FILE NAME : N:\3001091.00\CIVIL 3D\SHEETSPLAN\61803071-090250-XS.DWG
LAYOUT NAME - 61803071-090382-xs

PLOT DATE : 7/16/2025 9:42 AM PLOT BY : MATT TOMSOVIC PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 6180-30-73	HWY: STH 21	COUNTY: WINNEBAGO	CROSS SECTIONS: SAND PIT RD ROUNDABOUT	SHEET 611	E

FILE NAME : N:\3001091.00\CIVIL 3D\SHEETSPLAN\61803071-090250-XS.DWG
LAYOUT NAME - 61803071-090383-xs

PLOT DATE : 7/16/2025 9:42 AM

PLOT BY : MATT TOMSOVIC

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

Wisconsin Department of Transportation

Dedicated people creating transportation solutions
through innovation and exceptional service.

http://www.dot.wisconsin.gov

GRE

NOVEMBER 2025

ORDER OF SHEETS

Section No.	1	Title
Section No.	2	Typical Sections and Details
Section No.	3	Estimate of Quantities
Section No.	3	Miscelleneous 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 = 436

PROJECT ID: **6180-31-71**

WITH: 6180-30-71, 6180-30-72, 6180-30-73

COUNTY: **WINNEBAGO**

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
6180-31-71	WISC 2026052	1

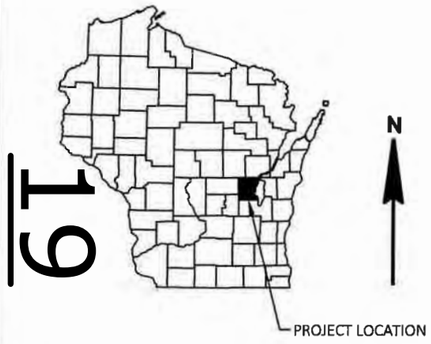
STH 21

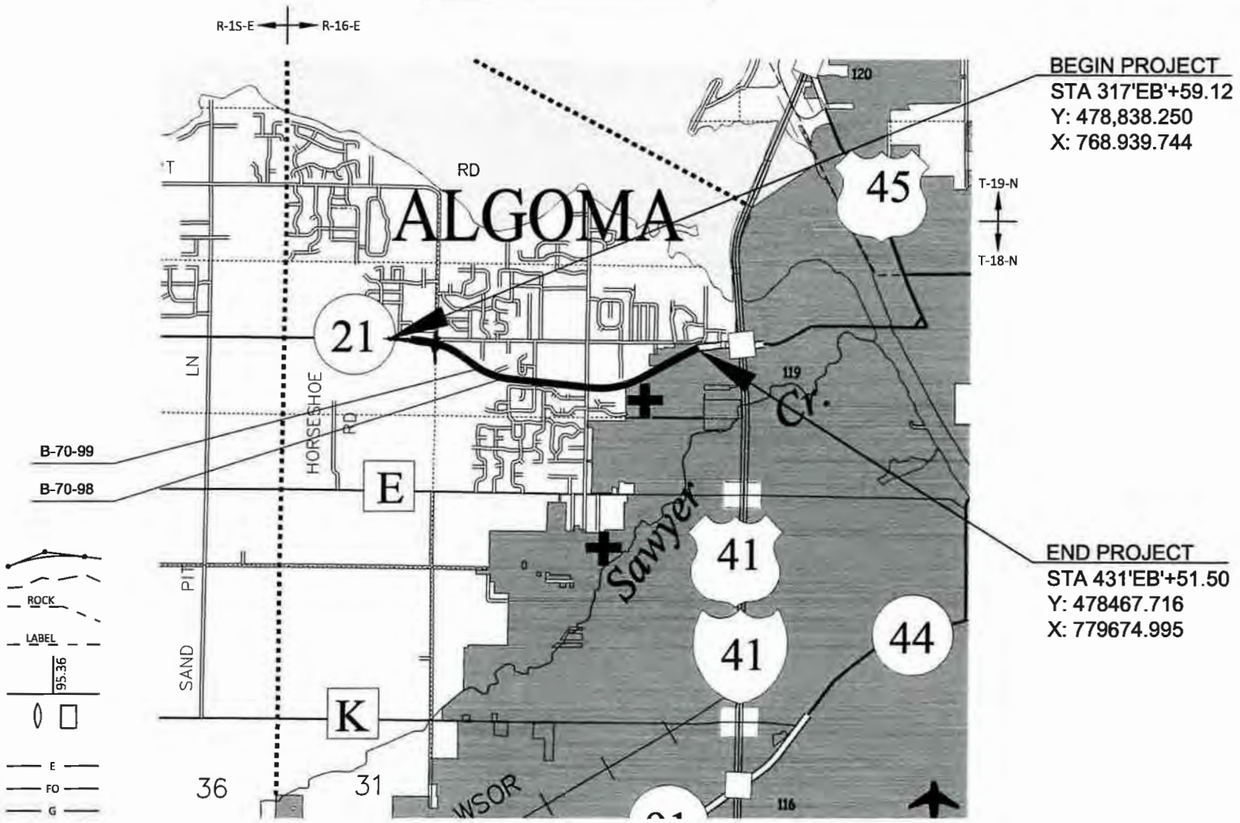
LEONARD POINT ROAD - WASHBURN STREET

OMRO - OSHKOSH

WINNEBAGO

STATE PROJECT NUMBER
6180-31-71





BEGIN PROJECT
STA 317'EB'+59.12
Y: 478,838.250
X: 768.939.744

END PROJECT
STA 431'EB'+51.50
Y: 478467.716
X: 779674.995

DESIGN DESIGNATION 6180-31-71

A.A.D.T.	(2027)	=	19,500
A.A.D.T.	(2047)	=	20,900
D.H.V.		=	2420
D.D.		=	60/40
T.		=	7.3%
DESIGN SPEED		=	55 MPH
ESALS		=	4,100,000

CONVENTIONAL SYMBOLS

PLAN		PROFILE	
CORPORATE LIMITS		GRADE LINE	
PROPERTY LINE		ORIGINAL GROUND	
LOT LINE		MARSH OR ROCK PROFILE (To be noted as such)	ROCK
LIMITED HIGHWAY EASEMENT		SPECIAL DITCH	LABEL
EXISTING RIGHT OF WAY		GRADE ELEVATION	95.36
PROPOSED OR NEW R/W LINE			
SLOPE INTERCEPT		CULVERT (Profile View)	
REFERENCE LINE	300'EB'	UTILITIES	
EXISTING CULVERT		ELECTRIC	E
PROPOSED CULVERT (Box or Pipe)		FIBER OPTIC	FO
		GAS	G
COMBUSTIBLE FLUIDS	CAUTION	SANITARY SEWER	SAN
		STORM SEWER	SS
		TELEPHONE	T
MARSH AREA		WATER	W
		UTILITY PEDESTAL	
		POWER POLE	
WOODED OR SHRUB AREA		TELEPHONE POLE	

LAYOUT

SCALE 0 2 MI

TOTAL NET LENGTH OF CENTERLINE = 2.158 MILES

HORIZONTAL POSITIONS SHOWN ON THIS PLAN ARE WISCONSIN COORDINATE REFERENCE SYSTEM (WISCRS), WINNEBAGO 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

ORIGINAL PLANS PREPARED BY
Westwood

WISCONSIN
MARGARET A. HAWLEY
E-26879
MENASHA, WI
PROFESSIONAL ENGINEER

DATE: 5/16/25 (Professional Engineer Signature)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY

Surveyor	NE REGION
Designer	WESTWOOD
Project Manager	W. BERTRAND
Regional Examiner	REGIONAL EXAMINER
Regional Supervisor	T. RABE

APPROVED FOR THE DEPARTMENT

DATE: 5/19/25 Bill Bertrand, P.E. (Signature)

E

FILE NAME : N:\3001455.00\CIVIL 3D\SHEETS\61803171-010101-TI.DWG PLOT DATE : 5/16/2025 11:04 AM PLOT BY : MATT TOMSOVIC PLOT NAME :

2

GENERAL NOTES

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

THE EXACT CONSTRUCTION LIMITS AND LOCATIONS OF ALL ENTRANCES SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD.

THE PROJECT REFERENCE LINE IS BASED ON AS-BUILT AND FIELD INFORMATION. THE LOCATION OF THE REFERENCE LINE MAY VARY SLIGHTLY FROM THE ACTUAL CENTER LINE.

ORDER OF SECTION 2 DETAIL SHEETS

GENERAL NOTES
PROJECT OVERVIEW
TYPICAL SECTIONS
CONSTRUCTION DETAILS
PAVING DETAILS
CURB RAMP DETAILS
EROSION CONTROL
STORM SEWER
PERMANENT SIGNING
LIGHTING PLAN
TRAFFIC SIGNAL
PAVEMENT MARKING
TRAFFIC CONTROL
ALIGNMENT DETAIL

OTHER CONTACTS

DNR LIASON
JAY SCHIEFELBEIN
DNR WISCONSIN OSHKOSH SERVICE CENTER
2984 SHAWANO AVE.
GREEN BAY, WI 54313
920-360-3784
JEREMIAH.SCHIEFELBEIN@WISCONSIN.GOV

OSHKOSH AREA SCHOOL DISTRICT
SHAWN BRADY
P.O. BOX 11064
GREEN BAY, WI 54307
920-314-0983
SBRADY@MCEWI.COM

COUNTY HIGHWAY COMMISIONER
ROBERT DOEMEL
WINNEBAGO COUNTY
901 COUNTY RD Y
OSHKOSH, WI 54901
920-232-1700
HWY@CO.WINNEBAGO.WI.US

WISDOT PROJECT MANAGER
BILL BERTRAND
WISDOT - NORTHEAST REGION
944 VANDER PERREN WAY
GREEN BAY, WI 54304
920-492-5630
WILLIAM.BERTRAND@DOT.WI.GOV

NE REGION SURVEY COORDINATOR
MICHAEL ANDRASCHIKO
WISDOT - NORTHEAST REGION
944 VANDER PERREN
GREEN BAY, WI 54304
920-492-4166
MICHAEL.ANDASCHKO@DOT.WI.GOV

UTILITIES CONTACTS

ALGOMA SANITARY DISTRICT #1 - SEWER
KEVIN MRAZ
3477 MILLER DR
OSHKOSH, WI 54904
920-426-0335
KEVIN@ALGOMASD.ORG

ALGOMA SANITARY DISTRICT #1 - WATER
KEVIN MRAZ
3477 MILLER DR
OSHKOSH, WI 54904
920-426-0335
KEVIN@ALGOMASD.ORG

ANR PIPELINE CO - GAS/PETROLEUM
SANIEL FLAHERTY
W3925 PIPELINE LANE
EDEN, WI 530019
920-904-6154
DAN_FLAHERTY@TCENERGY.COM

AT&T WISCONSIN - COMMUNICATION LINE
CHARLES BARTELT
70 E DIVISION ST
FOND DU LAC, WI 54935
920-929-1013
CB1461@ATT.COM

CITY OF OSHKOSH - WATER
CHERYL SELL
757 W. 3RD AVE.
OSHKOSH, WI 54904
920-232-5336
CSELL@OSHKOSHWI.GOV

SPECTRUM - COMMUNICATION LINE
DEREK SMET
165 KNIGHTS WAY SUITE 100
FOND DU LAC, WI 54935
920-204-1859
DEREK.SMET@CHARTER.COM

WISCONSIN PUBLIC SERVICE CORP. - ELECTRICITY
LINDA TREBIATOWSKI
3300 N. MAIN ST.
OSHKOSH, WI 54901
920-660-3266
LINDA.TREIBATOWSKI@WISCONSINBUBLICSERVICE.COM

WISCONSIN PUBLIC SERVICE CORP. - GAS/PETROLEUM
CHUCK CORNISH
3300 N. MAIN ST.
OSHKOSH, WI 54901
920-236-5902
CHARLES.CORNISH@WISCONSINPUBLICSERVICE.COM

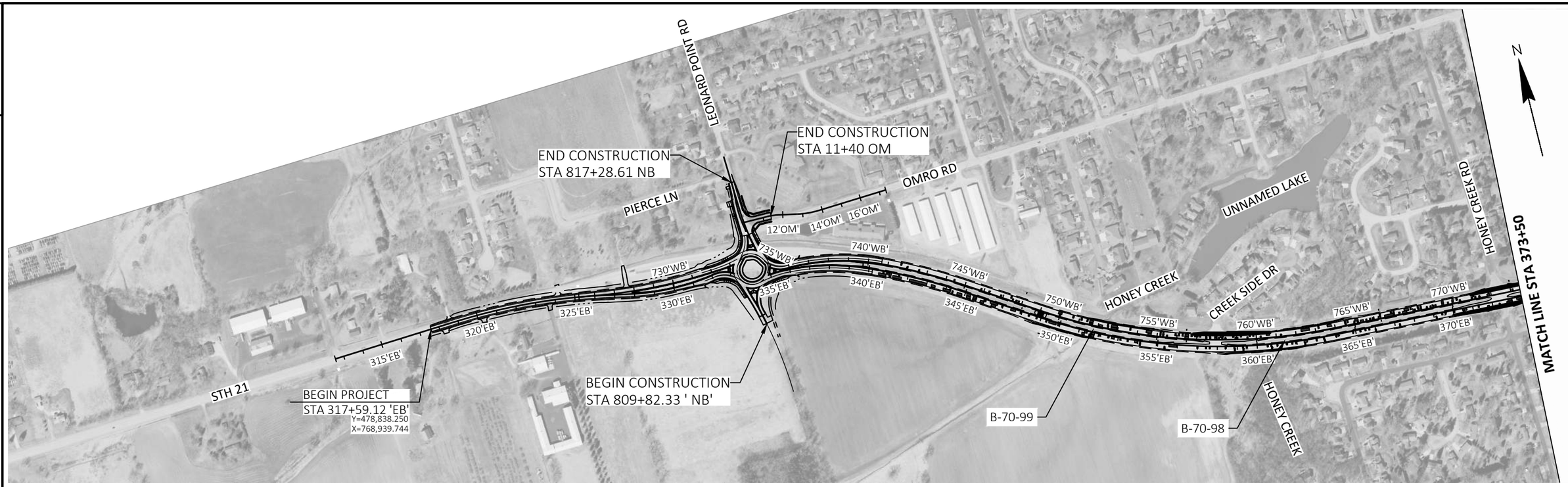
RUNOFF COEFFICIENT TABLE

	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 STRIP- TURF	.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 SLOPE- TURF			.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 = 50.88 ACRES
TOTAL AREA EXPECTED TO BE DISTURBED BY CONSTRUCTION ACTIVITIES = 6.00 ACRES

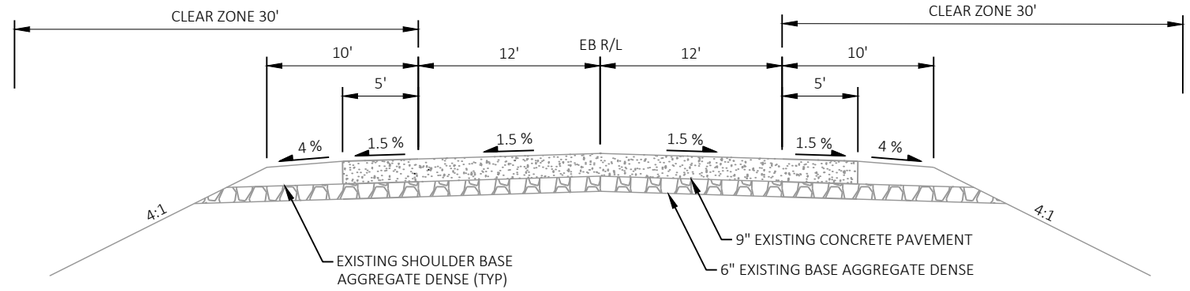
DIGGERS HOTLINE
Dial 811 or (800)242-8511
www.DiggersHotline.com

2



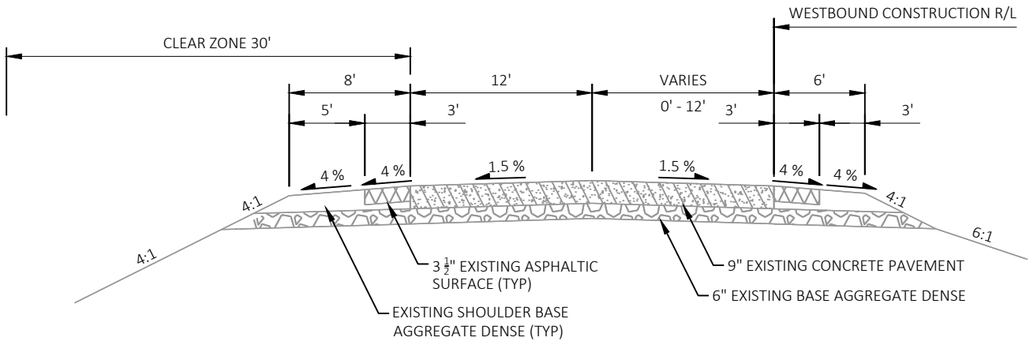
PROJECT NO: 6180-31-71	HWY: STH 21	COUNTY: WINNEBAGO	PROJECT OVERVIEW	SHEET 3	E

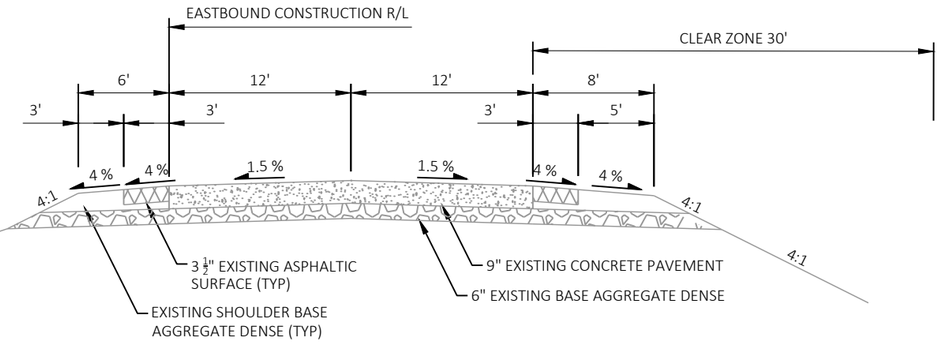
FILE NAME : N:\3001455.00\CIVIL 3D\SHEETS\61803171-020201-PO.DWG
LAYOUT NAME - 61803171-020201-po
PLOT DATE : 9/22/2025 10:53 AM
PLOT BY : MATT TOMSOVIC
PLOT NAME :
PLOT SCALE : 1 IN:500 FT
WISDOT/CADDS SHEET 42



EXISTING TYPICAL SECTION - STH 21

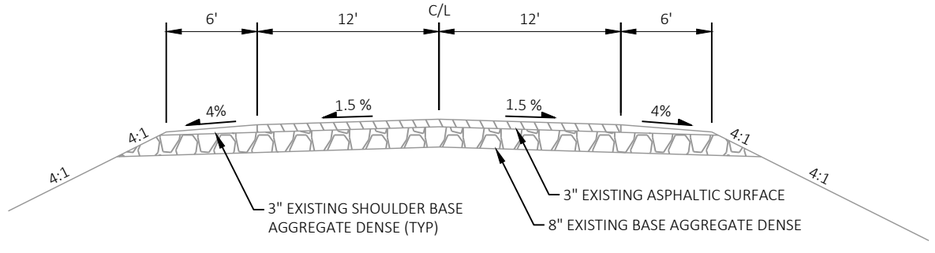
STA 317+59.12 EB - STA 327+14.14 EB





EXISTING TYPICAL SECTION - STH 21

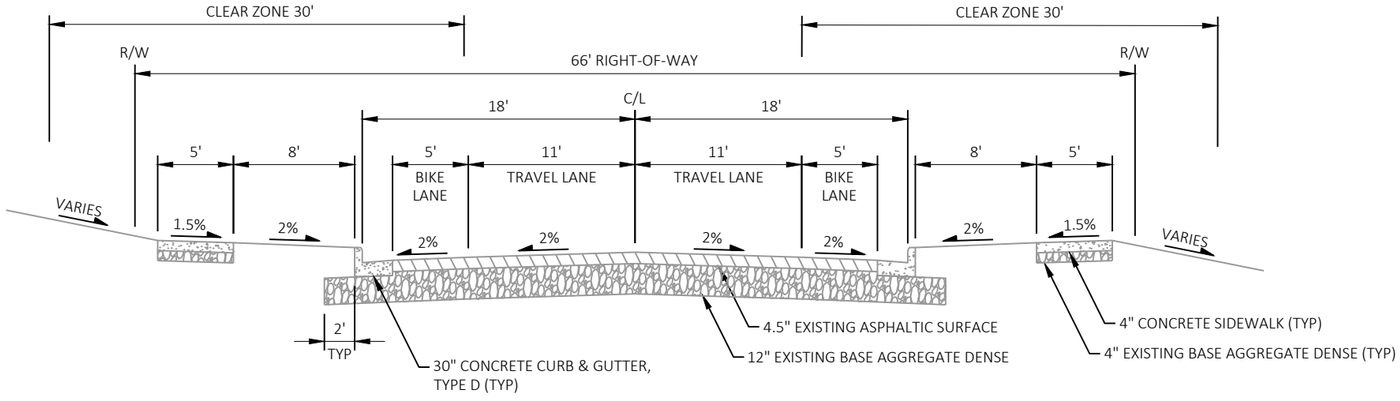
STA 327+141.14 EB - STA 431+51.50 EB



EXISTING TYPICAL SECTION - LEONARD POINT ROAD

STA 813+60.68 NB - STA 817+34.90 NB

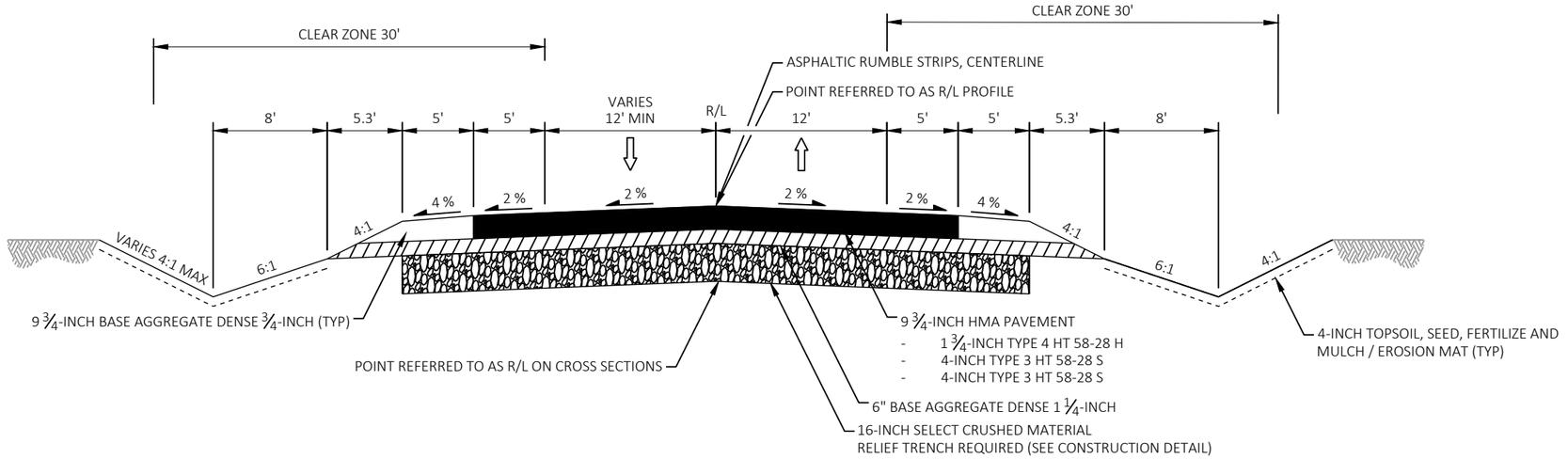
PROJECT NO: 6180-31-71	HWY: STH 21	COUNTY: WINNEBAGO	TYPICAL SECTIONS -EXISTING	SHEET 4	E



EXISTING TYPICAL SECTION - OMRO ROAD

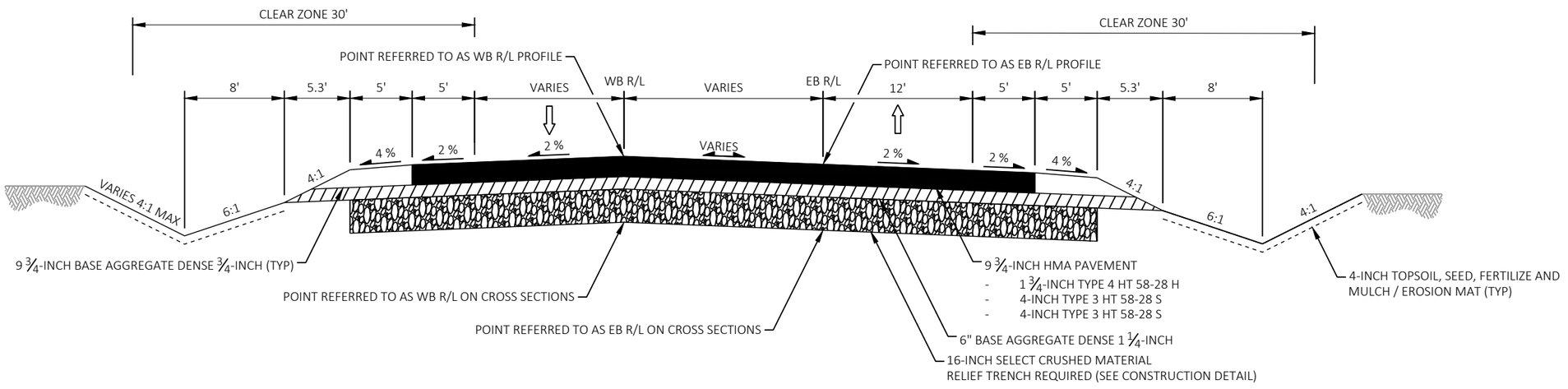
STA 10+00.00 OM - STA 11+40.00 OM

PROJECT NO: 6180-31-71	HWY: STH 21	COUNTY: WINNEBAGO	TYPICAL SECTIONS -EXISTING	SHEET 5	E



FINISHED TYPICAL SECTION - STH 21

STA 317+59.12 EB - STA 325+20.28 EB

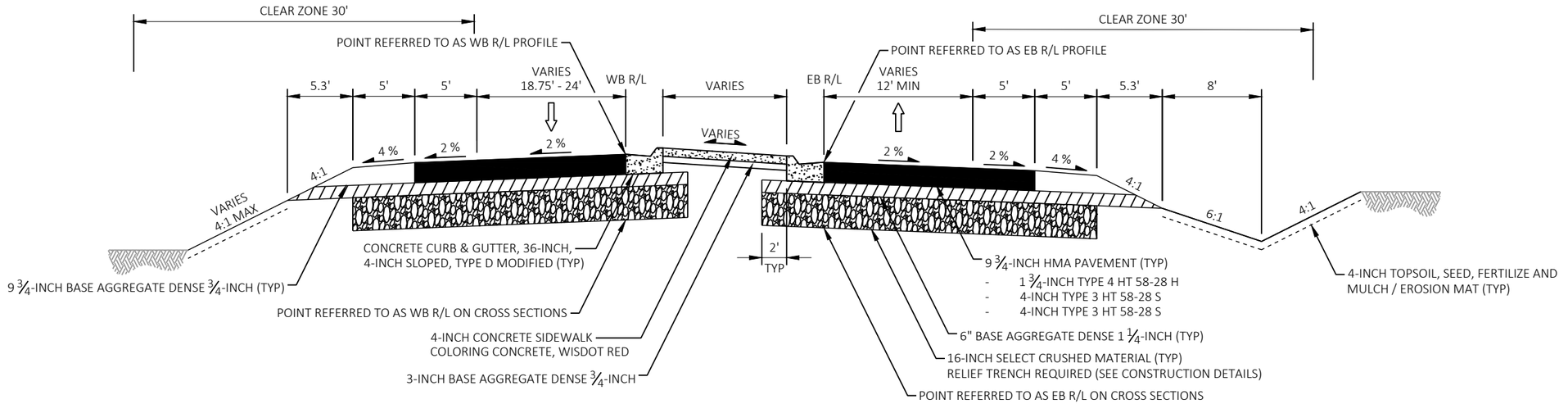


FINISHED TYPICAL SECTION - STH 21

STA 325+20.80 EB - STA 327+90.00 EB

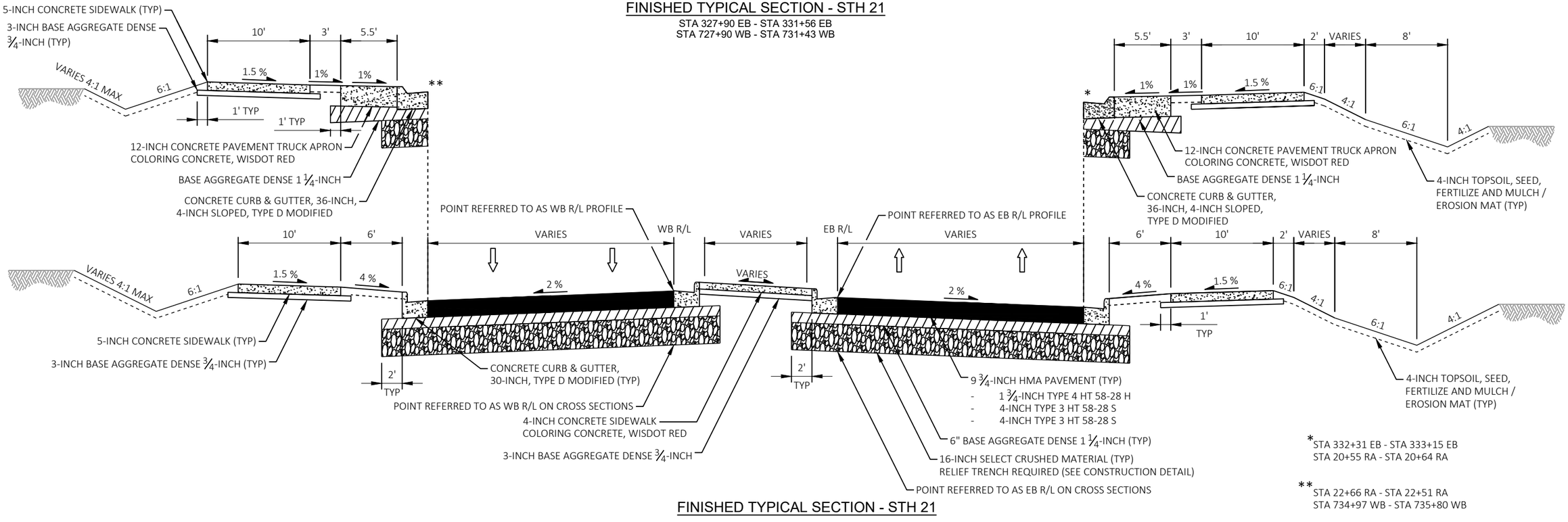
PROJECT NO: 6180-31-71	HWY: STH 21	COUNTY: WINNEBAGO	TYPICAL SECTIONS - PROPOSED	SHEET 6	E

2



FINISHED TYPICAL SECTION - STH 21

STA 327+90 EB - STA 331+56 EB
STA 727+90 WB - STA 731+43 WB



FINISHED TYPICAL SECTION - STH 21

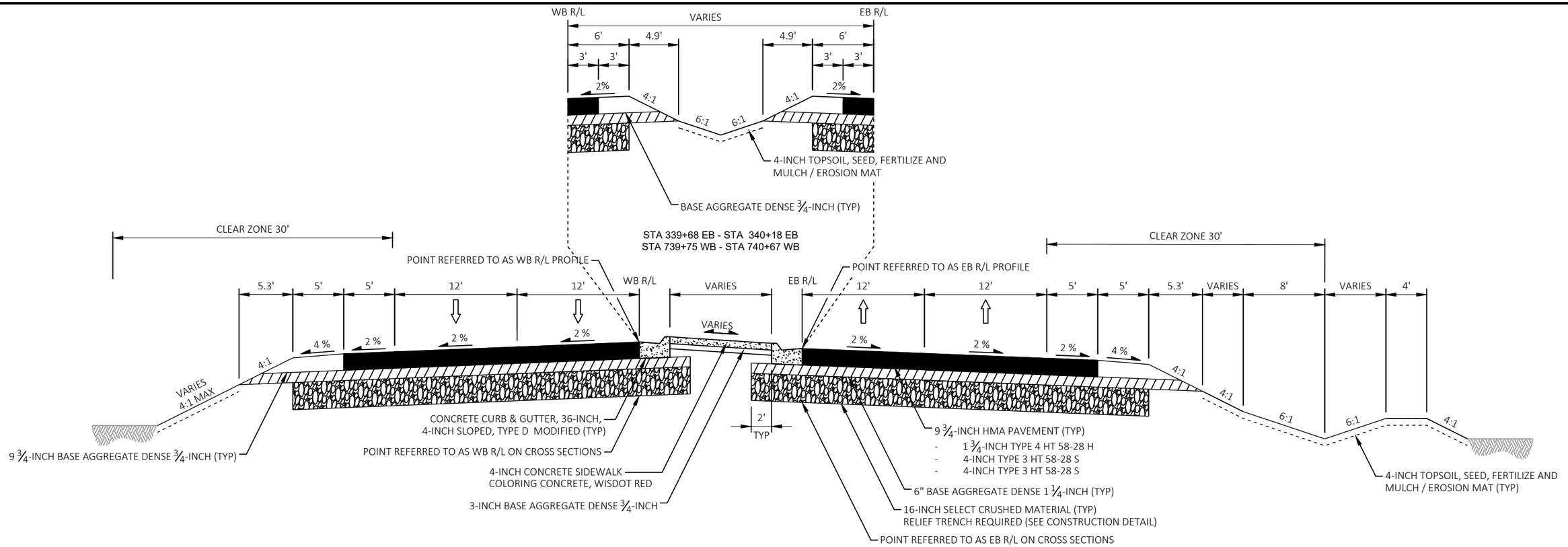
STA 331+56 EB - STA 333+12 EB
STA 731+43 WB - STA 733+14 WB
STA 334+93 EB - STA 336+25 EB
STA 734+99 WB - STA 736+48 WB

*STA 332+31 EB - STA 333+15 EB
STA 20+55 RA - STA 20+64 RA

**STA 22+66 RA - STA 22+51 RA
STA 734+97 WB - STA 735+80 WB

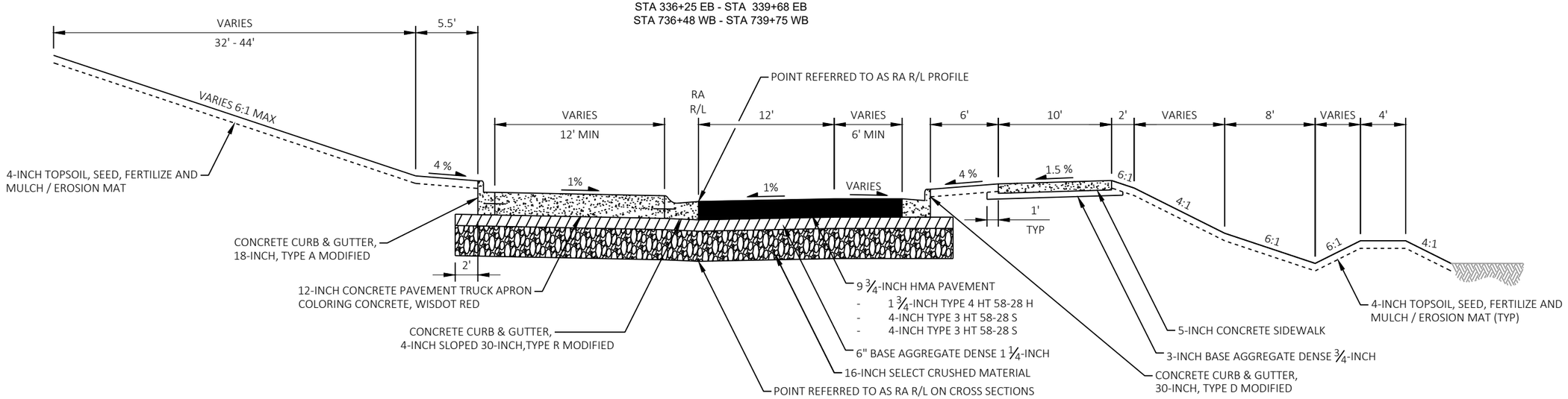
PROJECT NO: 6180-31-71	HWY: STH 21	COUNTY: WINNEBAGO	TYPICAL SECTIONS - PROPOSED	SHEET 7	E

2



FINISHED TYPICAL SECTION - STH 21

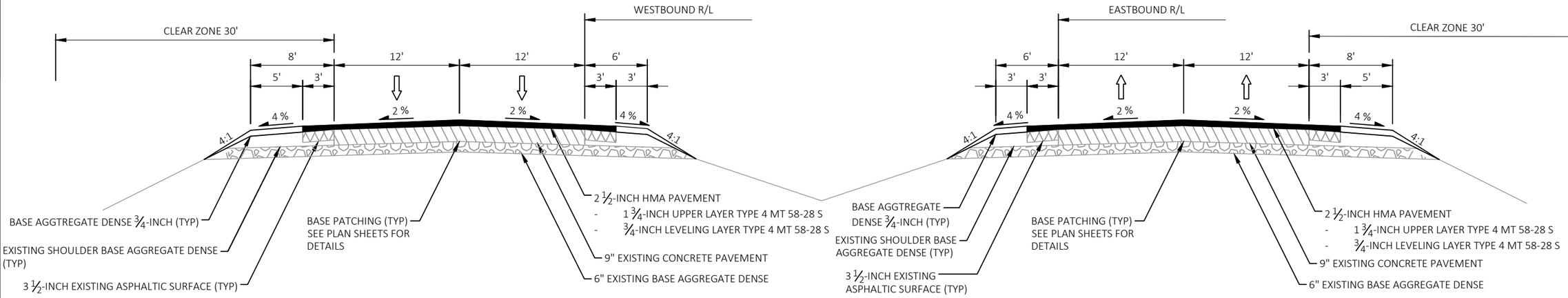
STA 339+68 EB - STA 340+18 EB
STA 739+75 WB - STA 740+67 WB



FINISHED TYPICAL SECTION - STH 21 ROUNDABOUT

STA 20+00.00 RA - STA 24+12.37 RA

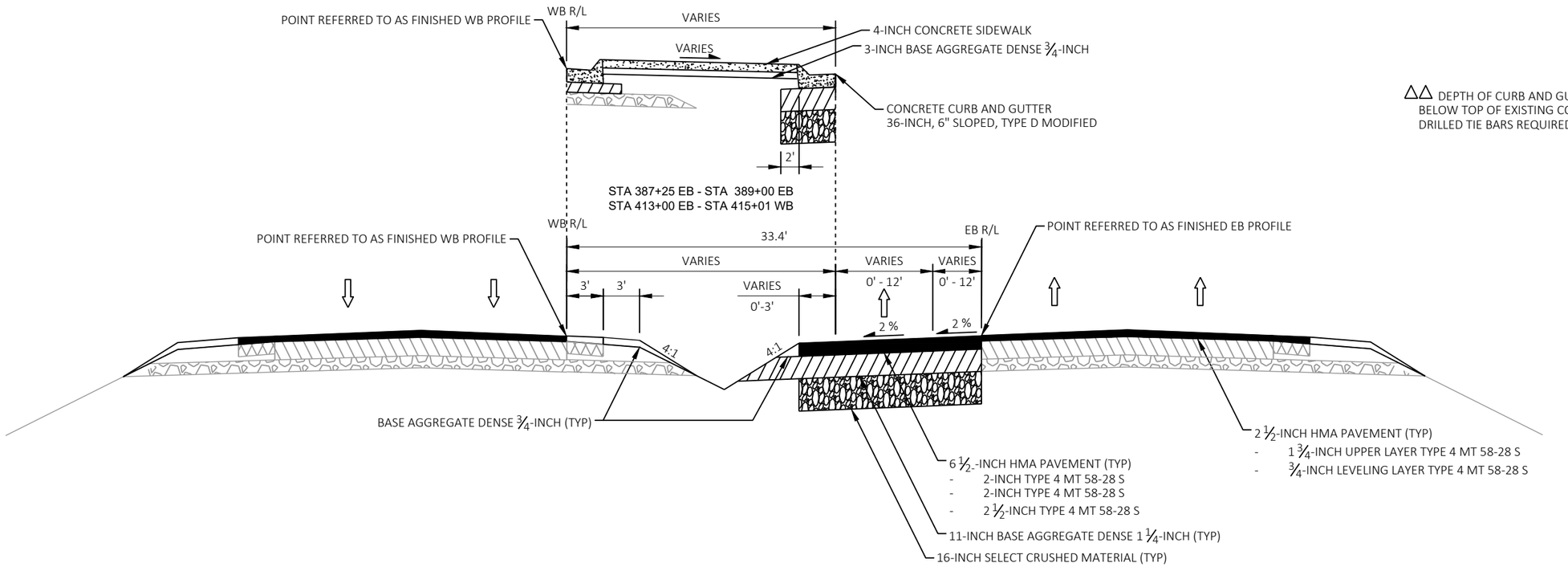
PROJECT NO: 6180-31-71	HWY: STH 21	COUNTY: WINNEBAGO	TYPICAL SECTIONS - PROPOSED	SHEET 8	E



FINISHED TYPICAL SECTION - STH 21

STA 340EB+18 - STA 430EB+90
STA 740WB+67 - STA 831WB+29

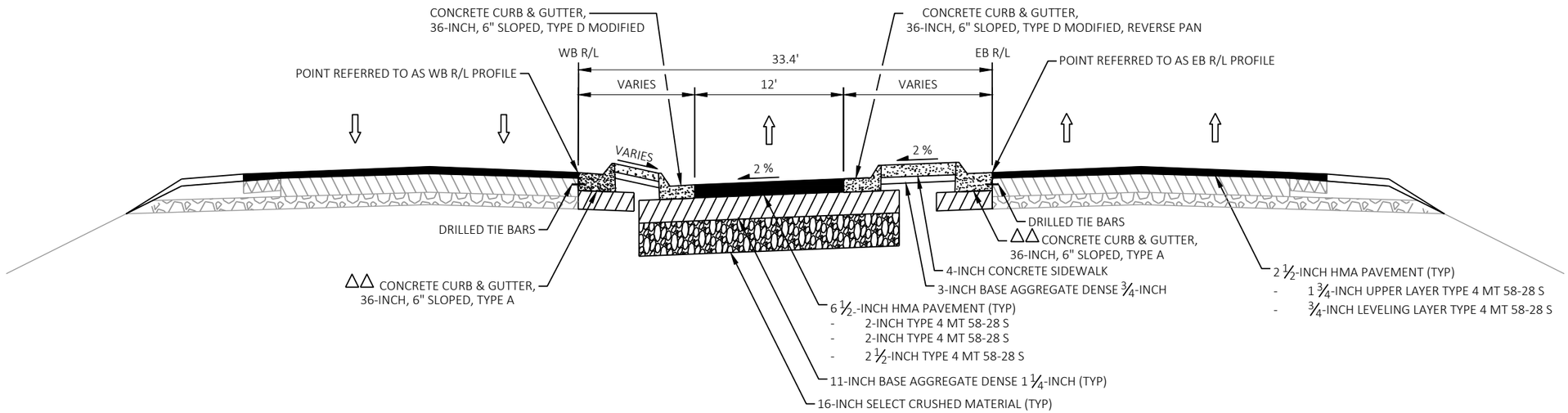
2



△△ DEPTH OF CURB AND GUTTER TO BE 6 INCHES BELOW TOP OF EXISTING CONCRETE PAVEMENT. DRILLED TIE BARS REQUIRED

FINISHED TYPICAL SECTION - STH 21 EASTBOUND SLOTTED LEFT TURN LANE TAPER

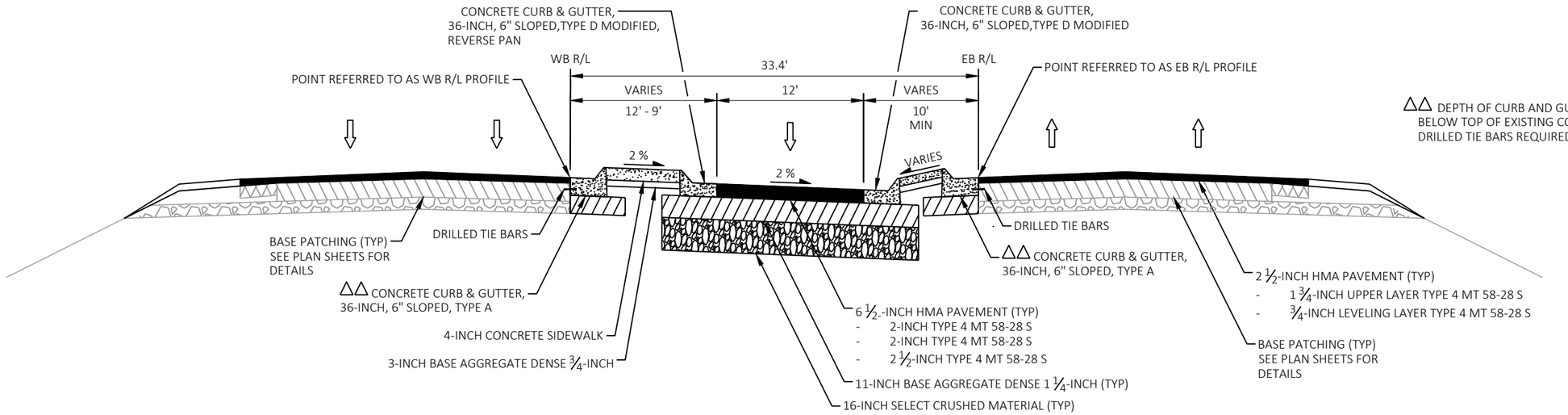
STA 386+57 EB - STA 387+25 EB (N OAKWOOD RD)
STA 412+20 EB - STA 413+00 EB (N WESTHAVEN DR)



FINISHED TYPICAL SECTION - STH 21 EASTBOUND SLOTTED LEFT TURN LANE

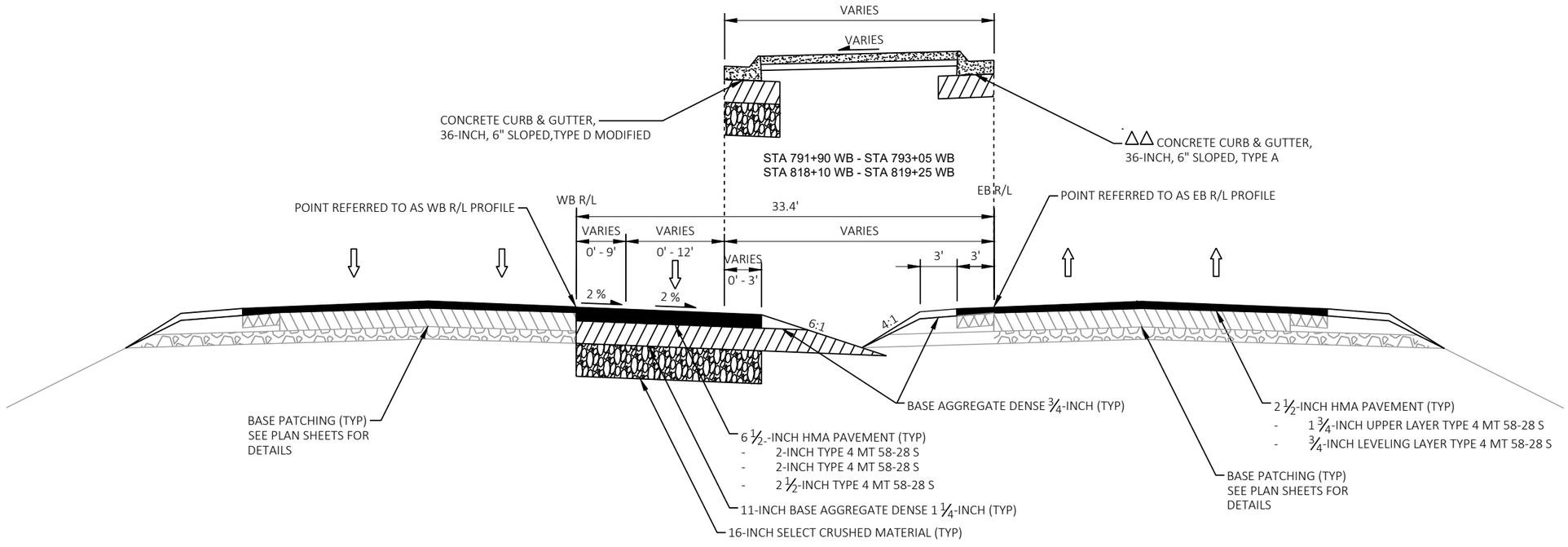
STA 389+00 EB - STA 390+43 EB (N OAKWOOD RD)
STA 415+01 EB - STA 416+36 EB (N WESTHAVEN DR)

PROJECT NO: 6180-31-71	HWY: STH 21	COUNTY: WINNEBAGO	TYPICAL SECTIONS - PROPOSED	SHEET 10	E



FINISHED TYPICAL SECTION - STH 21 WESTBOUND SLOTTED LEFT TURN LANE

STA 791+21 WB - STA 791+90 WB (N OAKWOOD RD)
STA 816+95 WB - STA 818+10 WB (N WESTHAVEN DR)

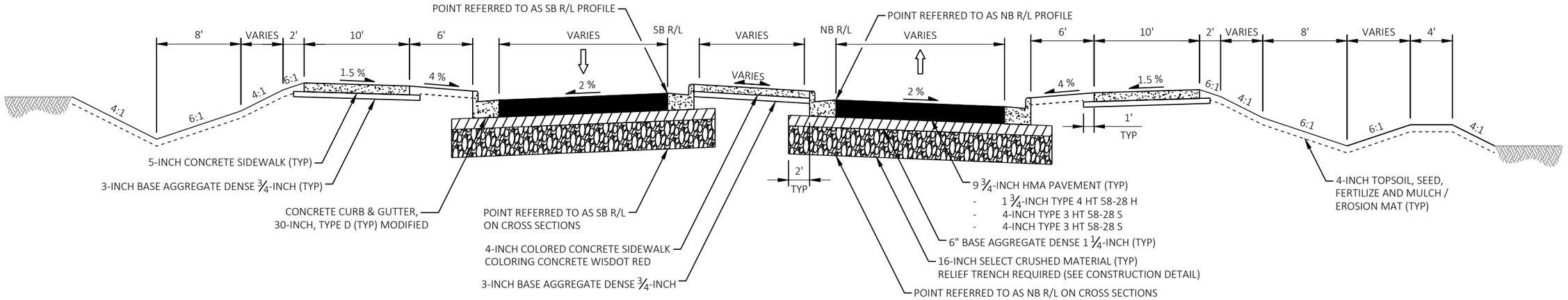


FINISHED TYPICAL SECTION - STH 21 WESTBOUND SLOTTED LEFT TURN LANE TAPER

STA 793+05 WB - STA 795+17 WB (N OAKWOOD RD)
STA 819+25 WB - STA 822+81 WB (N WESTHAVEN DR)

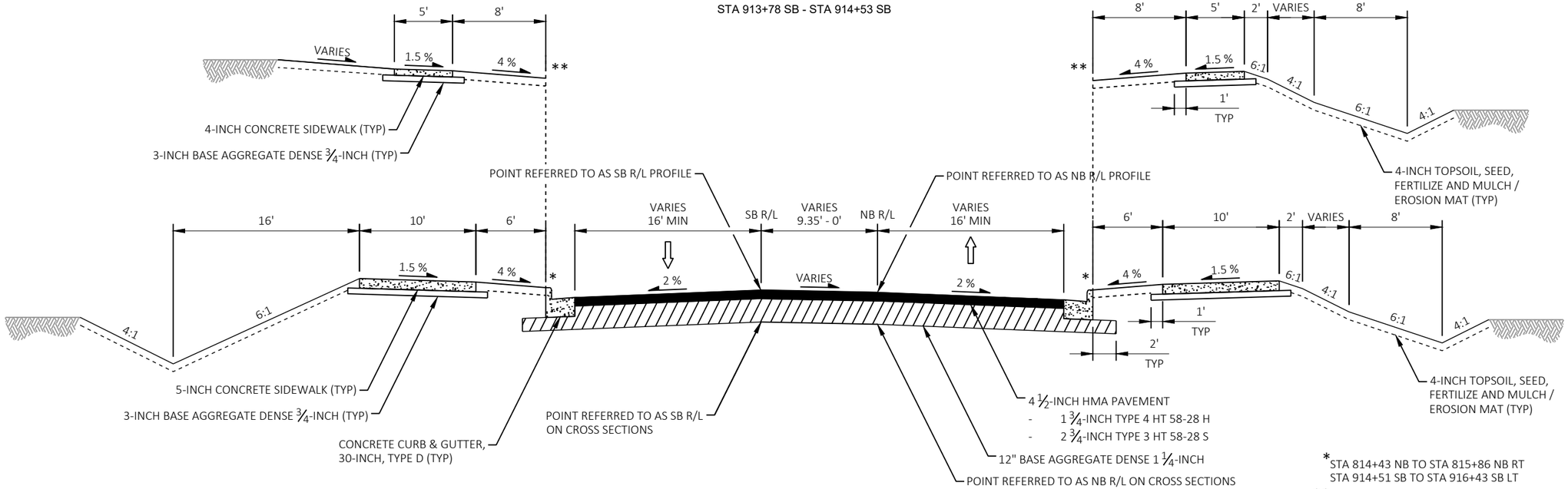
PROJECT NO: 6180-31-71	HWY: STH 21	COUNTY: WINNEBAGO	TYPICAL SECTIONS - PROPOSED	SHEET 11	E

2



FINISHED TYPICAL SECTION - LEONARD POINT RD

STA 811+00 NB - STA 811+78 NB
STA 911+00 SB - STA 911+86 SB
STA 813+67 NB - STA 814+53 NB
STA 913+78 SB - STA 914+53 SB



* STA 814+43 NB TO STA 815+86 NB RT
STA 914+51 SB TO STA 916+43 SB LT

** STA 815+86 NB TO STA 817+35 NB RT
STA 916+43 SB TO STA 917+44 SB LT

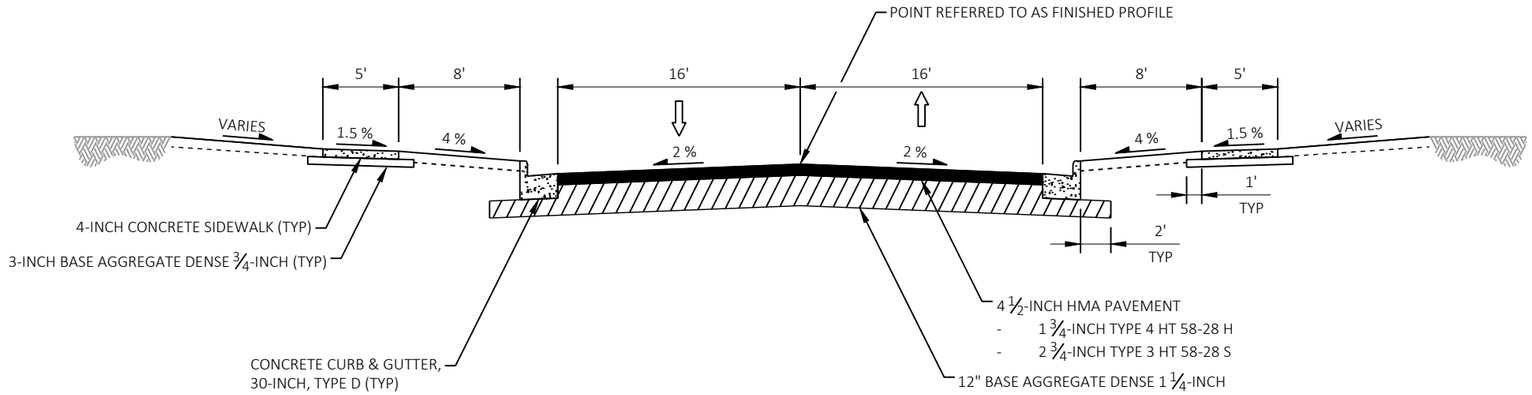
FINISHED TYPICAL SECTION - LEONARD POINT RD

STA 814+53 NB - STA 817+34 NB
STA 914+53 SB - STA 917+37 SB
STA 810+30 NB - STA 811+00 NB
STA 910+30 SB - STA 911+00 SB

PROJECT NO: 6180-31-71	HWY: STH 21	COUNTY: WINNEBAGO	TYPICAL SECTIONS - PROPOSED	SHEET 12	E

FILE NAME : N:\3001455.00\CIVIL 3D\SHEETS\61803171-020301-TS.DWG
LAYOUT NAME - 61803171-020321-ts
PLOT DATE : 5/5/2025 7:26 AM
PLOT BY : MATT TOMSOVIC
PLOT NAME :
PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42

2



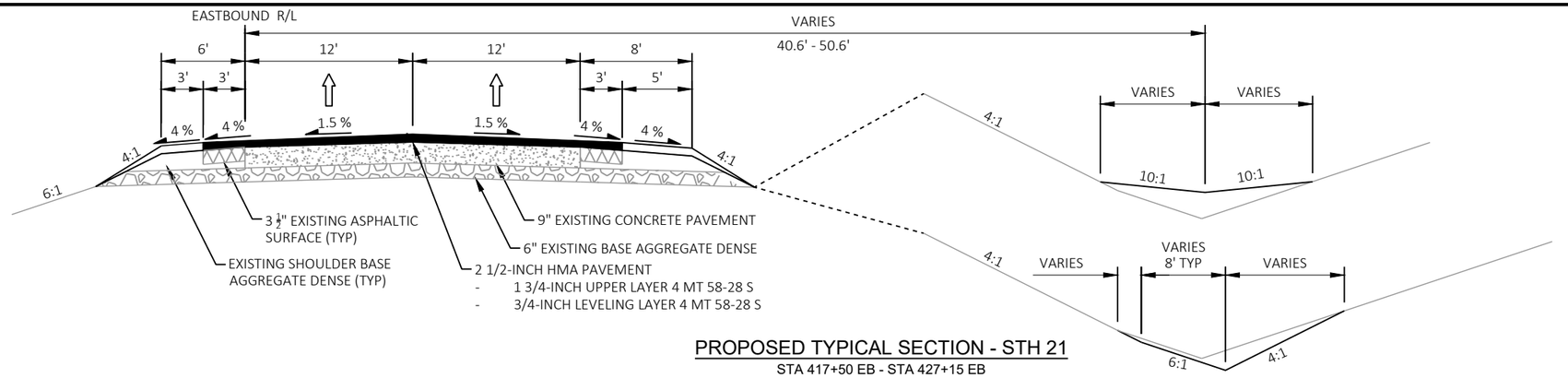
FINISHED TYPICAL SECTION - OMRO RD

STA 10+16 - STA 11+40

PROJECT NO: 6180-31-71	HWY: STH 21	COUNTY: WINNEBAGO	TYPICAL SECTIONS - PROPOSED	SHEET 13	E

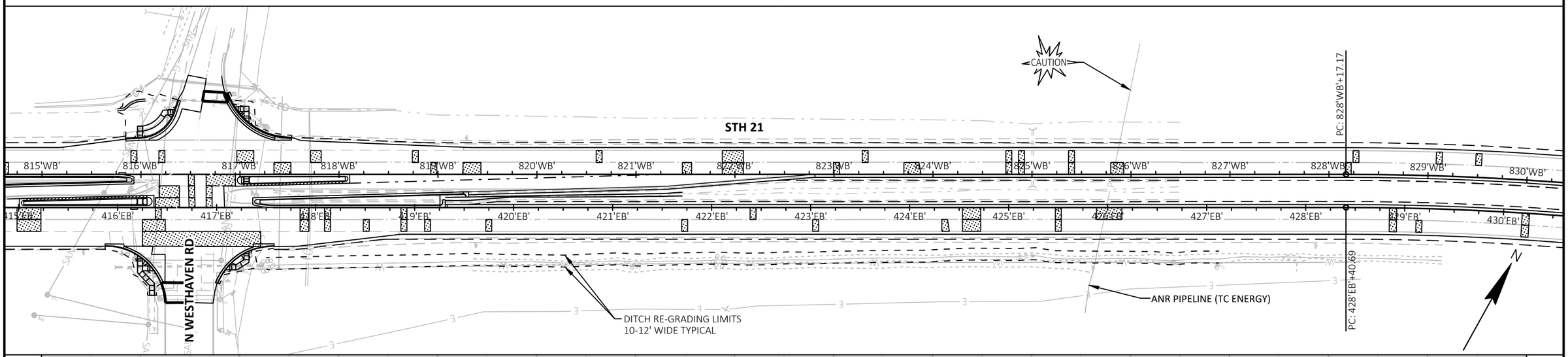
FILE NAME : N:\3001455.00\CIVIL 3D\SHEETS\61803171-020301-TS.DWG
LAYOUT NAME - 61803171-020322-ts

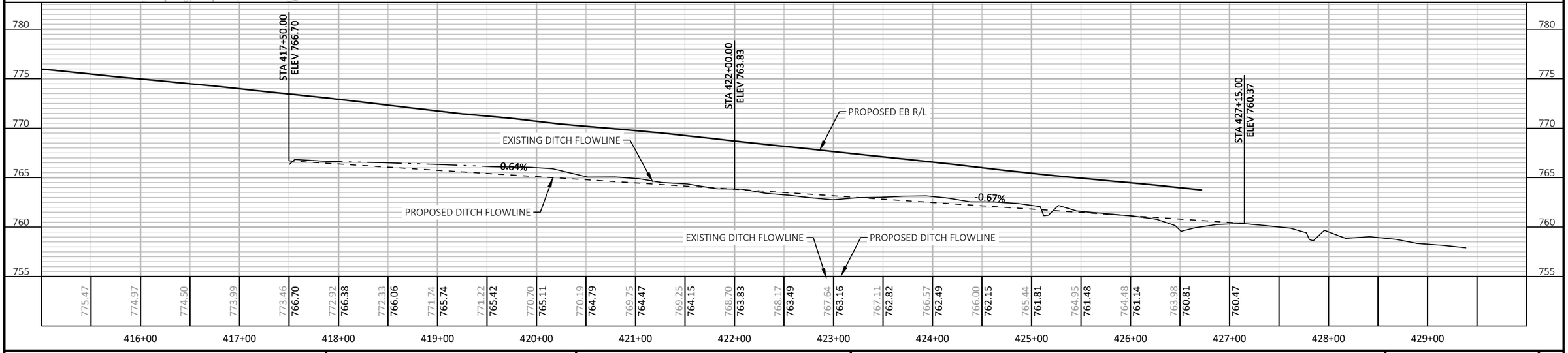
PLOT DATE : 5/5/2025 7:26 AM PLOT BY : MATT TOMSOVIC PLOT NAME : PLOT SCALE : 1 IN:10 FT



PROPOSED TYPICAL SECTION - STH 21

STA 417+50 EB - STA 427+15 EB

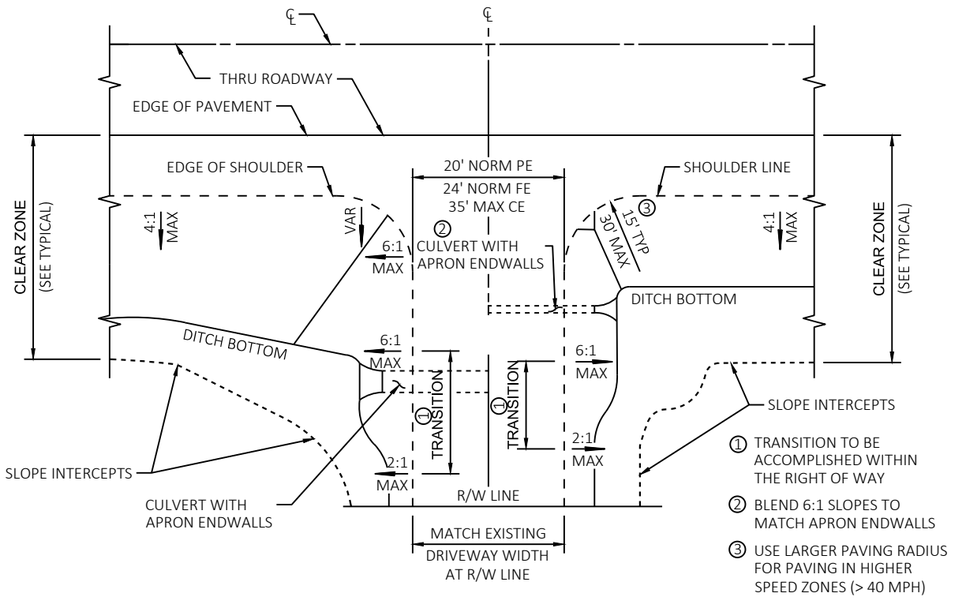




PROJECT NO: 6180-31-71	HWY: STH 21	COUNTY: WINNEBAGO	CONSTRUCTION DETAIL - EAST END DITCH RE-GRADING DETAIL	SHEET 14	E

FILE NAME : N:\3001455.00\CIVIL 3D\SHEETS\61803171-021101-CD.DWG
LAYOUT NAME - 61803171-021101-cd
PLOT DATE : 4/29/2025 12:38 PM PLOT BY : MATT TOMSOVIC PLOT NAME : PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42

2

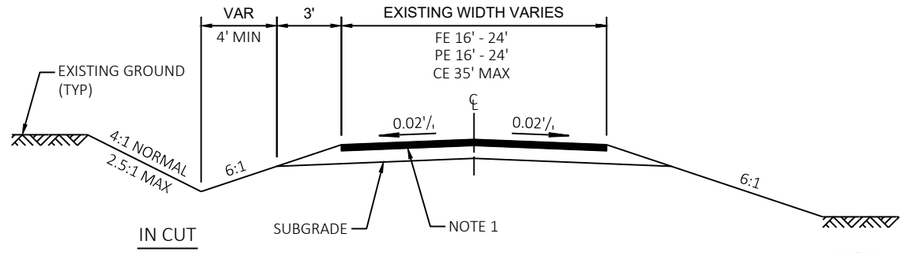


FOR CULVERTS OVER 24" DIAMETER

FOR CULVERTS 24" DIAMETER & LESS

PLAN VIEW

RURAL DRIVEWAY GRADING AND/OR PAVING DETAIL



IN CUT

IN FILL

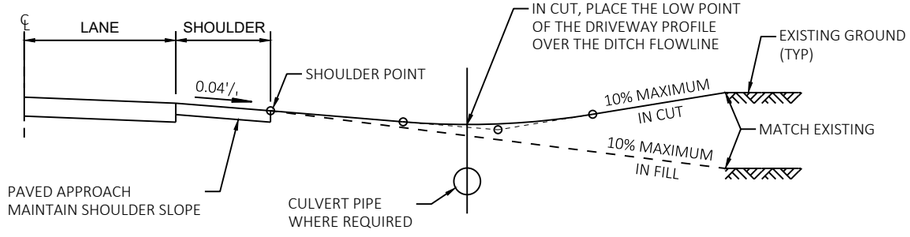
TYPICAL CROSS SECTION FOR DRIVEWAYS

NOTE 1
NON-PAVED DRIVEWAYS SHALL CONSIST OF 6" OF BASE AGGREGATE DENSE.

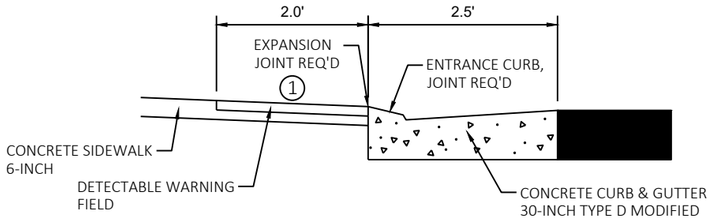
RESIDENTIAL ENTRANCE ASPHALTIC DRIVEWAYS SHALL CONSIST OF 6" BASE AGGREGATE DENSE AND 3" OF ASPHALTIC PAVEMENT.

COMMERCIAL ENTRANCE ASPHALTIC DRIVEWAYS SHALL CONSIST OF 12" BASE AGGREGATE DENSE AND 4" OF ASPHALTIC PAVEMENT

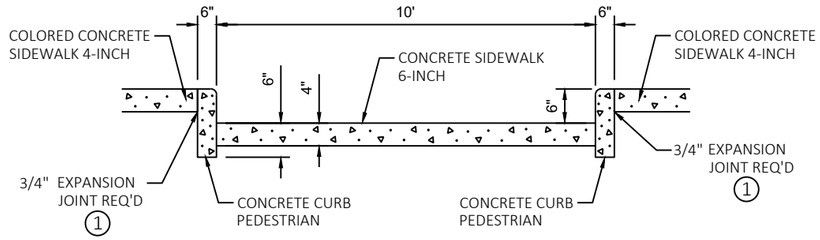
6" CONCRETE DRIVEWAY FOR RESIDENTIAL ENTRANCES.



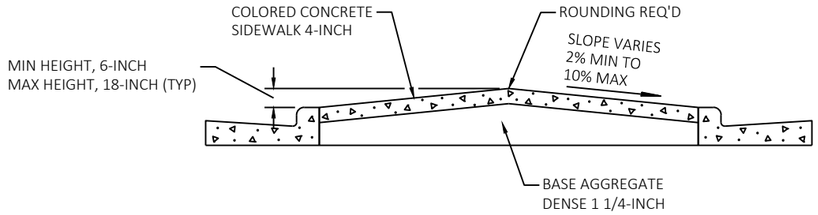
TYPICAL DRIVEWAY PROFILES



SECTION A-A



SECTION B-B



SECTION C-C

1 EXPANSION MATERIAL TO BE 1" LONGER THAN ABUTTING MEDIAN CONCRETE THICKNESS. (i.e. 5" IN HEIGHT WHEN ADJACENT TO CONCRETE SIDEWALK 4-INCH)



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

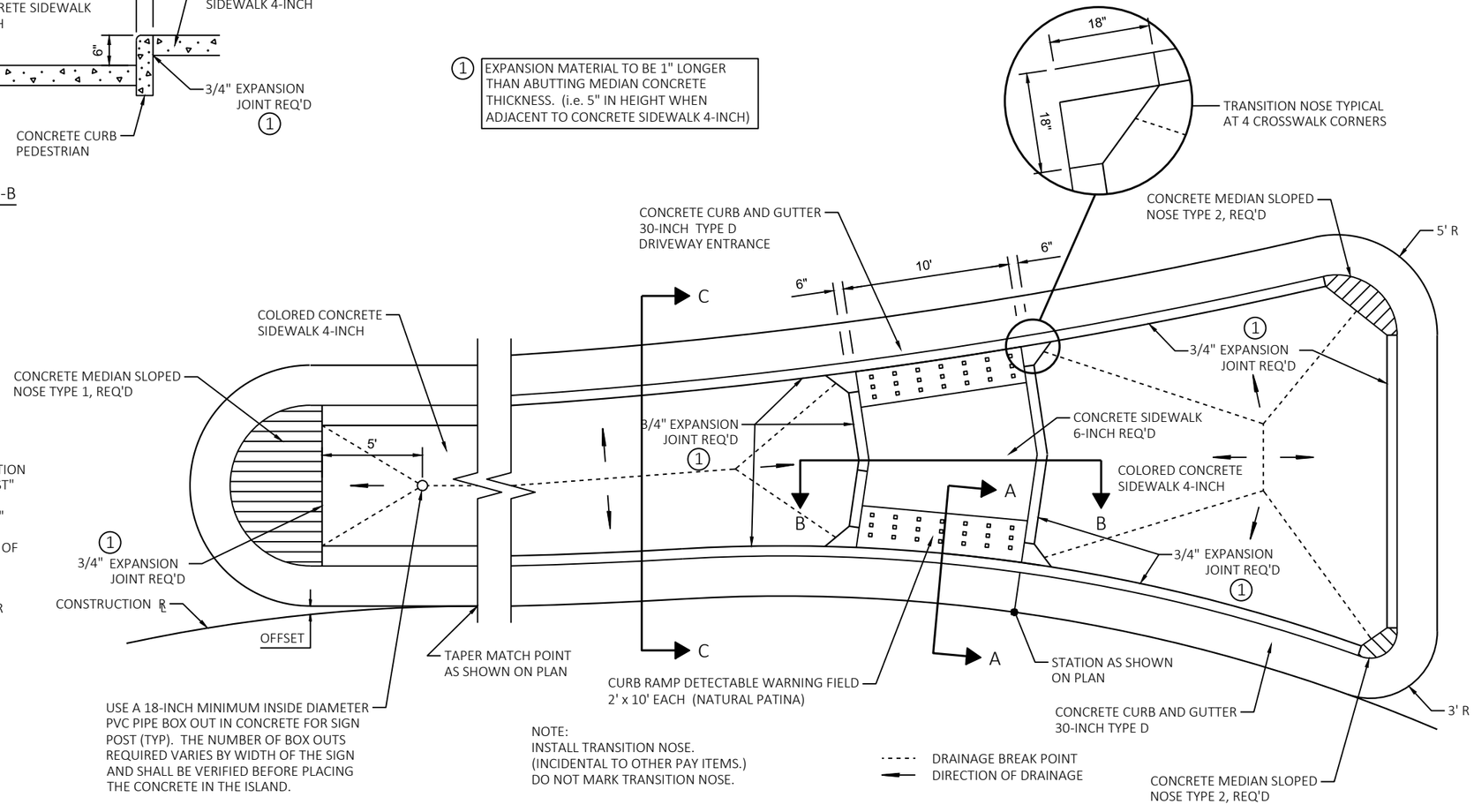
SEE A4-3 SIGN PLATE FOR "TYPICAL INSTALLATION OF PERMANENT TYPE II SIGNS ON SINGLE POST"

SEE A4-3B SIGN PLATE "SIGN POST BOX-OUTS"

** SEE A4-4 SIGN PLATE "TYPICAL INSTALLATION OF TYPE II SIGNS ON MULTIPLE SUPPORTS"

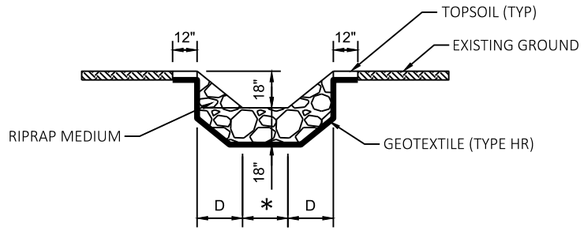
USE A 18-INCH MINIMUM INSIDE DIAMETER PVC PIPE BOX OUT IN CONCRETE FOR SIGN POST (TYP). THE NUMBER OF BOX OUTS REQUIRED VARIES BY WIDTH OF THE SIGN AND SHALL BE VERIFIED BEFORE PLACING THE CONCRETE IN THE ISLAND.

ISLAND SIGN LOCATION DETAIL (TYP)



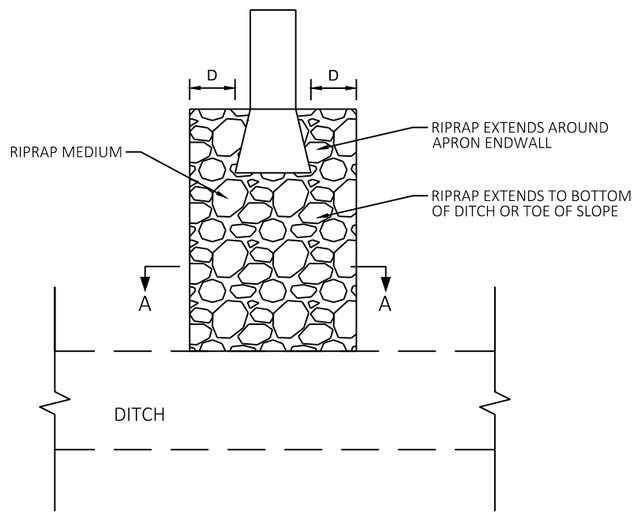
CONCRETE SPLITTER ISLAND DETAIL WITH CROSSWALK

PROJECT NO: 6180-31-71	HWY: STH 21	COUNTY: WINNEBAGO	CONSTRUCTION DETAIL - SPLITTER ISLAND	SHEET 16	E



SECTION A-A

* APRON ENDWALL WIDTH
D = PIPE DIAMETER

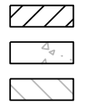


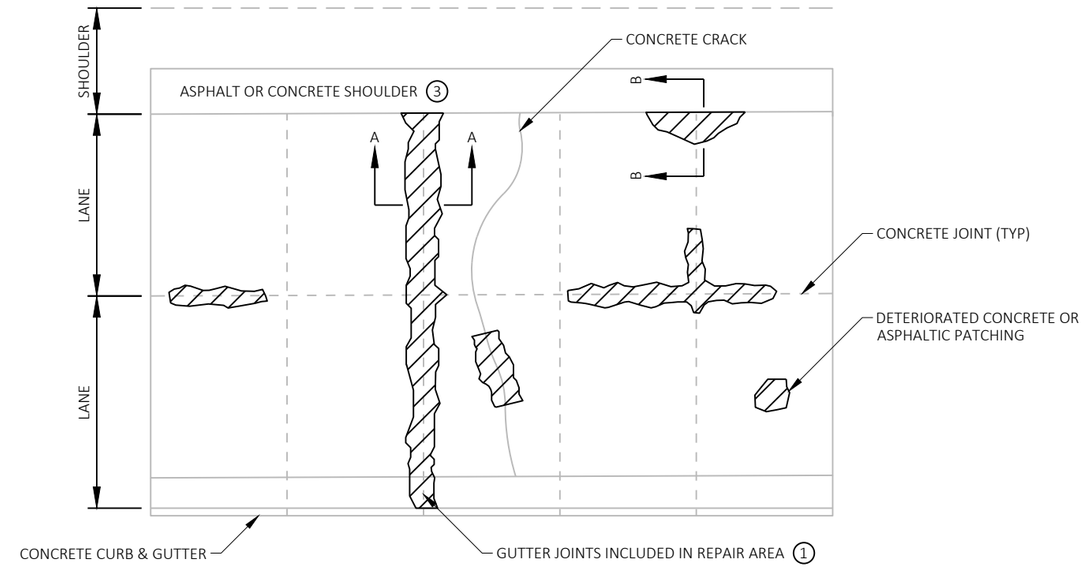
PLAN VIEW

RIPRAP TREATMENT AT STORM SEWER OUTFALLS

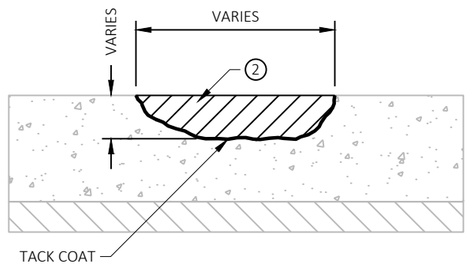
NOTES:

1. PERFORM CONCRETE JOINT AND CRACK CLEANING AND REPAIR IF ASPHALT OVERLAY WILL BE PLACED ON CONCRETE GUTTER
2. REMOVE UNSOUND AND DETERIORATED MATERIAL INCLUDING EXISTING ASPHALTIC PATCHING
3. EXISTING CONCRETE SHOULDER 5-FOOT OR LESS INCLUDED IN REPAIR AREA OF ADJACENT LANE

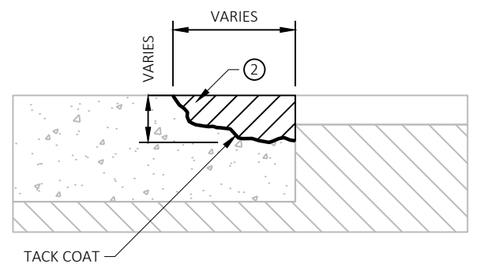




PLAN VIEW



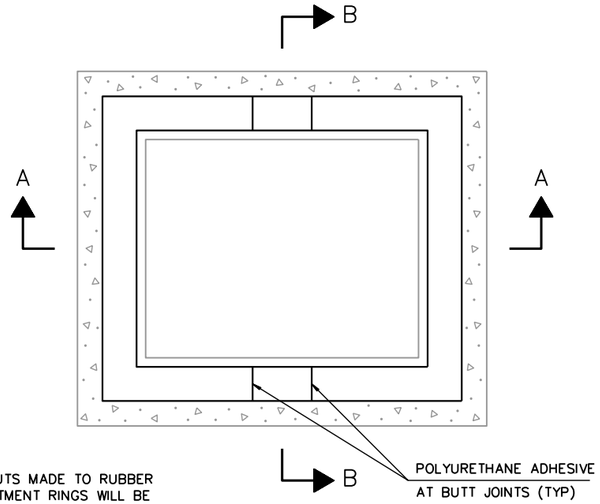
SECTION A-A



SECTION B-B

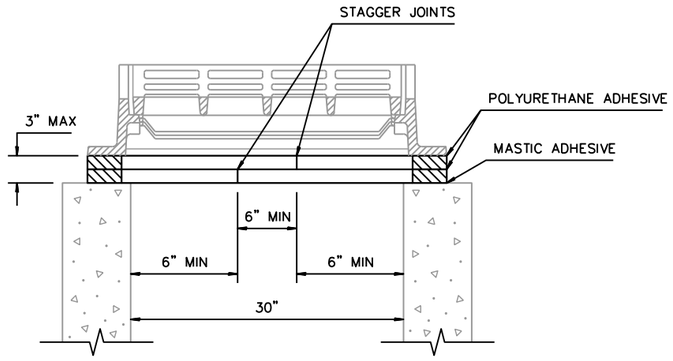
CONCRETE JOINT AND CRACK CLEANING AND REPAIR

SEE MISCELLANEOUS QUANTITIES FOR LOCATION

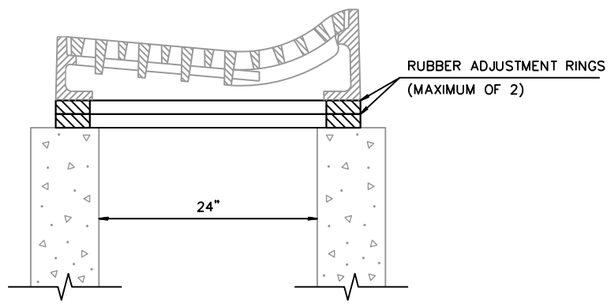


NOTE: ALL CUTS MADE TO RUBBER ADJUSTMENT RINGS WILL BE PERPENDICULAR AND PROVIDE A TIGHT JOINT.

PLAN VIEW

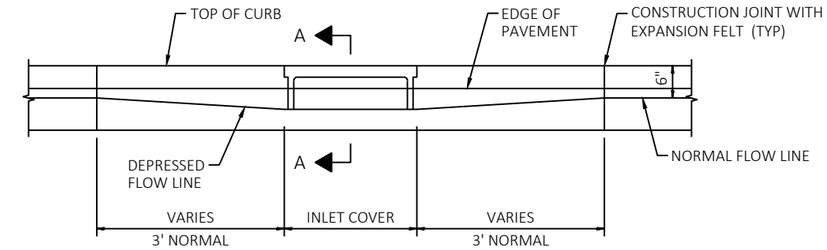


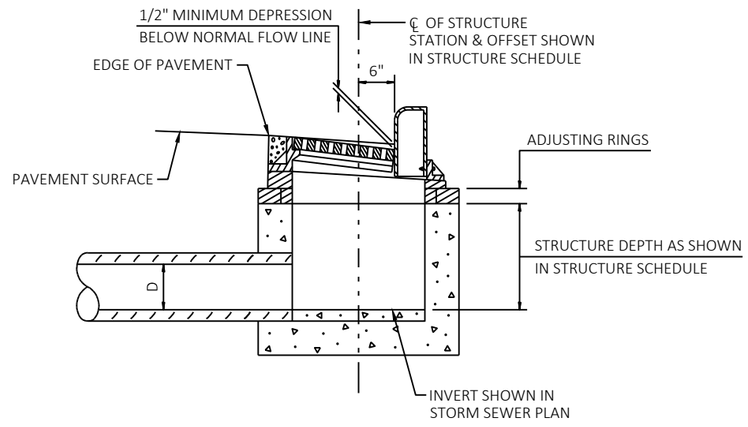
SECTION A–A



SECTION B–B

RUBBER RING CUTTING DETAIL FOR INLET 2 X 2.5–FT SPECIAL

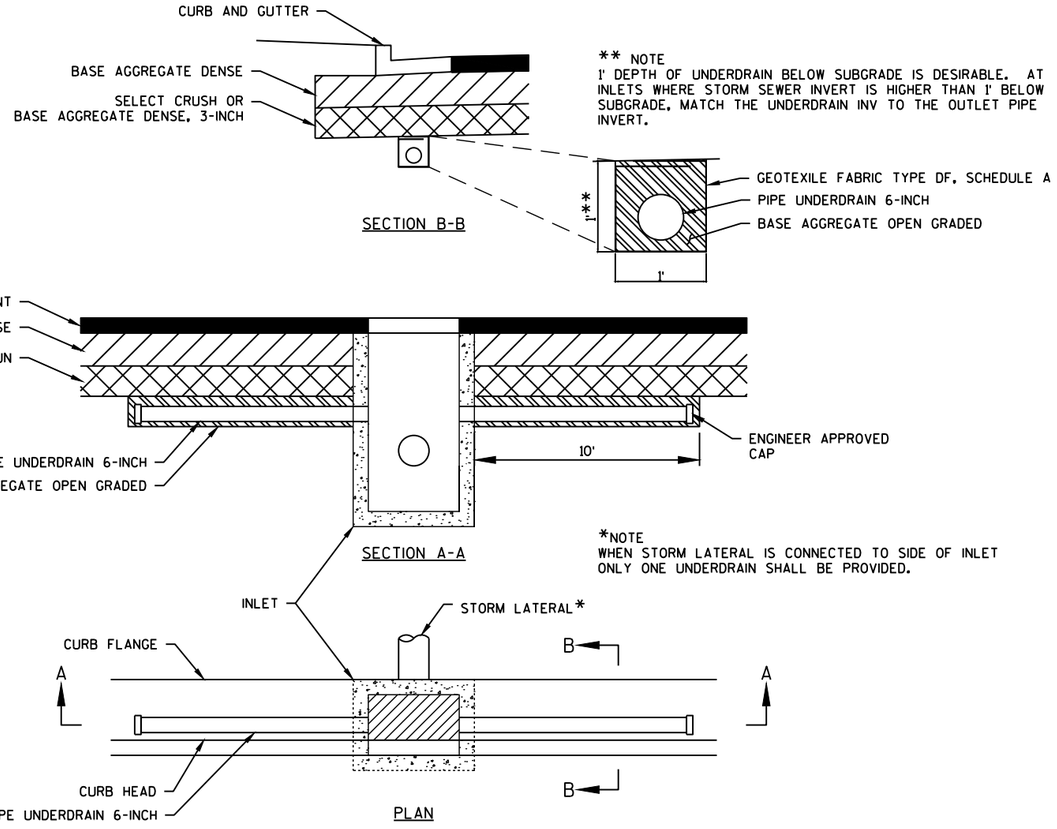




SECTION A-A

DETAIL OF CURB AND GUTTER AT INLETS

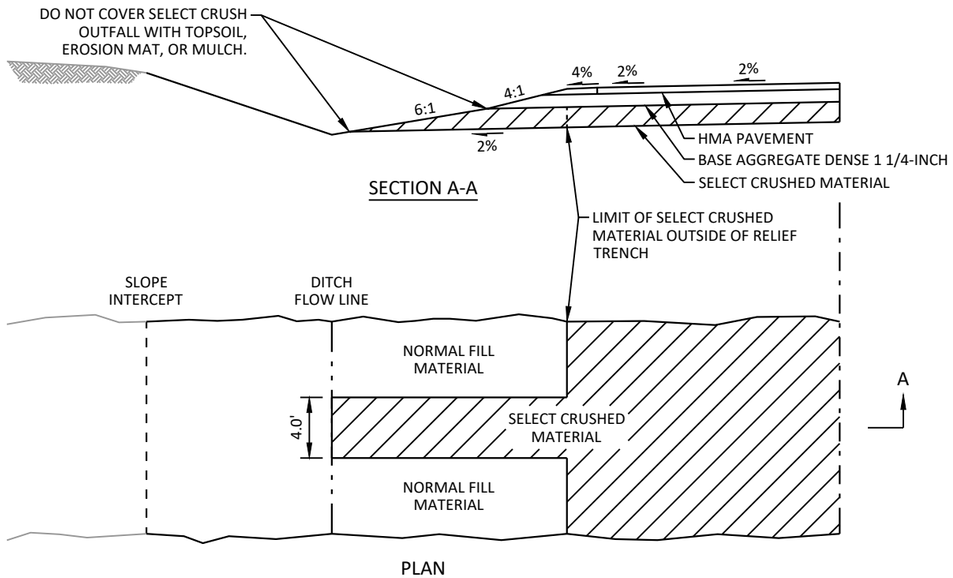
2



PIPE UNDERDRAIN DETAIL

SEE PAVING DETAILS & STORM SEWER SHEETS FOR LOCATIONS

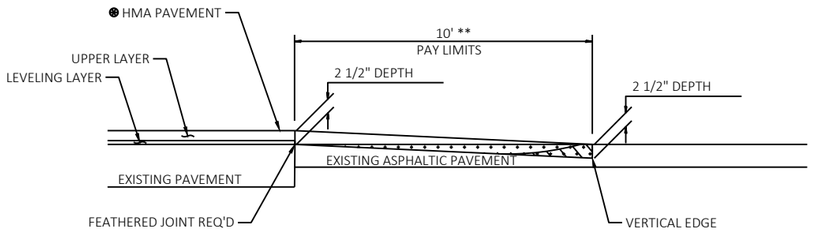
R/L



HALF SECTION -- SUBGRADE IMPROVEMENT RELIEF TRENCH
RURAL RECONSTRUCTION APPROACHES TO ROUNDABOUT

250-FT MAX SPACING & AT ALL LOW POINTS

PROJECT NO: 6180-31-71	HWY: STH 21	COUNTY: WINNEBAGO	CONSTRUCTION DETAILS	SHEET 19	E



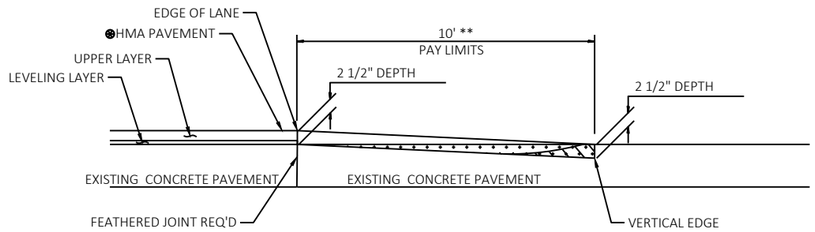
SEE TYPICAL CROSS SECTION FOR PAVEMENT TYPE AND THICKNESS OF INDIVIDUAL LAYERS

REMOVING ASPHALTIC SURFACE, BUTT JOINTS

REMOVE ASPHALTIC SURFACE WEDGE AT BUTT JOINT TO CREATE VERTICAL EDGE

BUTT JOINT DETAIL FOR ASPHALTIC PAVEMENTS (PROFILE CHANGE)

** 10 FEET UNLESS SHOWN OTHERWISE ON PLAN SHEETS
- OAKWOOD ROAD - NORTH LEG
- OAKWOOD ROAD - SOUTH LEG
- WESTHAVEN DRIVE - NORTH LEG



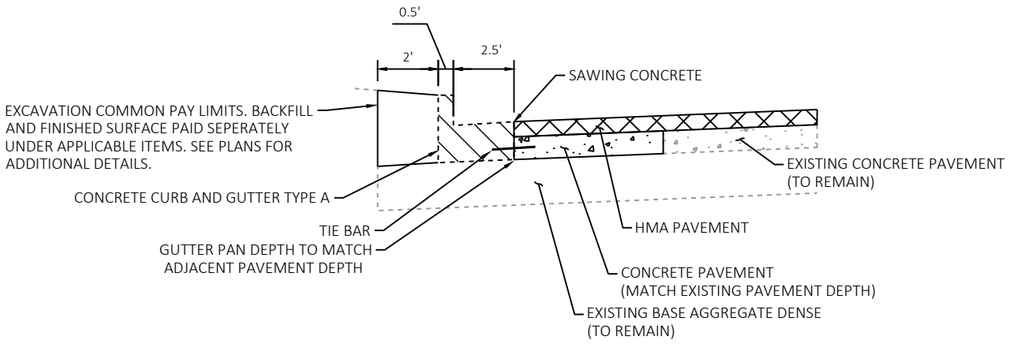
SEE TYPICAL CROSS SECTION FOR PAVEMENT TYPE AND THICKNESS OF INDIVIDUAL LAYERS

REMOVING CONCRETE PAVEMENT BUTT JOINTS

REMOVE CONCRETE SURFACE WEDGE AT BUTT JOINT TO CREATE VERTICAL EDGE

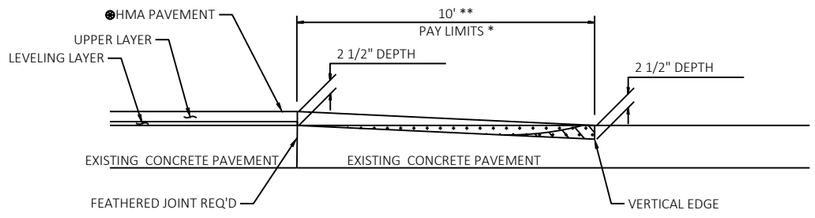
BUTT JOINT DETAIL FOR CONCRETE PAVEMENTS (PROFILE CHANGE)

** 10 FEET UNLESS SHOWN OTHERWISE ON PLAN SHEETS
- CREEKSIDE DRIVE
- HONEY CREEK ROAD - NORTH LEG
- HONEY CREEK ROAD - SOUTH LEG



CURB & GUTTER TYPE A

WESTHAVEN SOUTH LEG



SEE TYPICAL CROSS SECTION FOR PAVEMENT TYPE AND THICKNESS OF INDIVIDUAL LAYERS

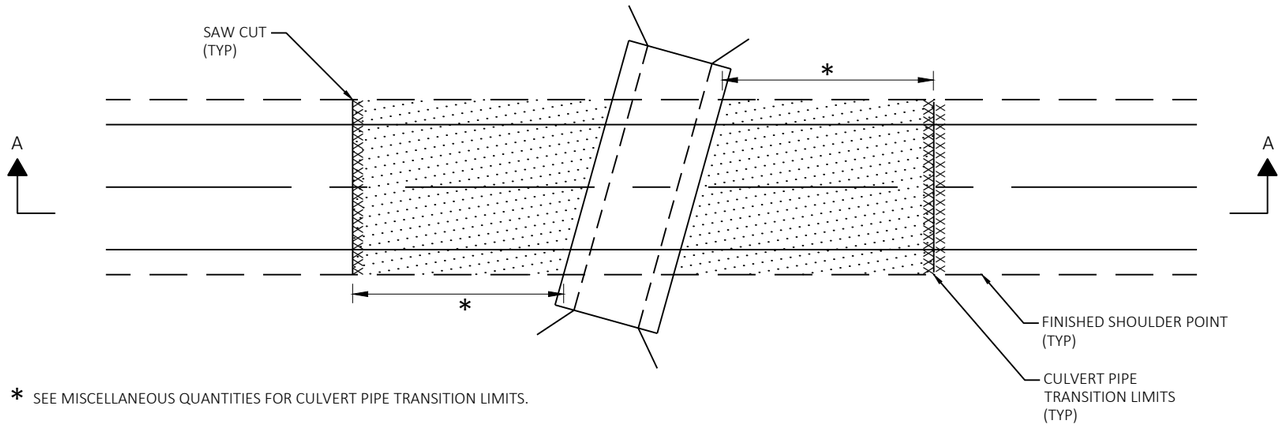
REMOVING CONCRETE PAVEMENT BUTT JOINTS

REMOVE CONCRETE SURFACE WEDGE AT BUTT JOINT TO CREATE VERTICAL EDGE

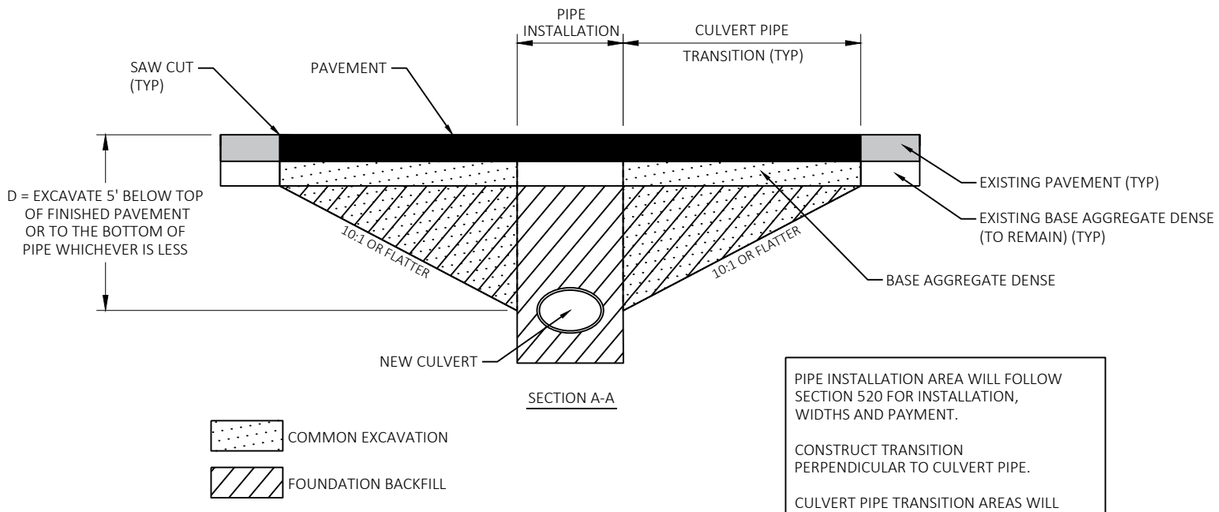
BUTT JOINT DETAIL FOR CONCRETE PAVEMENTS (PROFILE CHANGE)

* 50 FEET AT BEGIN AND END PROJECT LOCATIONS
- STA 430+90 EB STH 21
- STA 831+29 WB STH 21

** 10 FEET UNLESS SHOWN OTHERWISE ON PLAN SHEETS
- WESTHAVEN DRIVE - SOUTH LEG



* SEE MISCELLANEOUS QUANTITIES FOR CULVERT PIPE TRANSITION LIMITS.



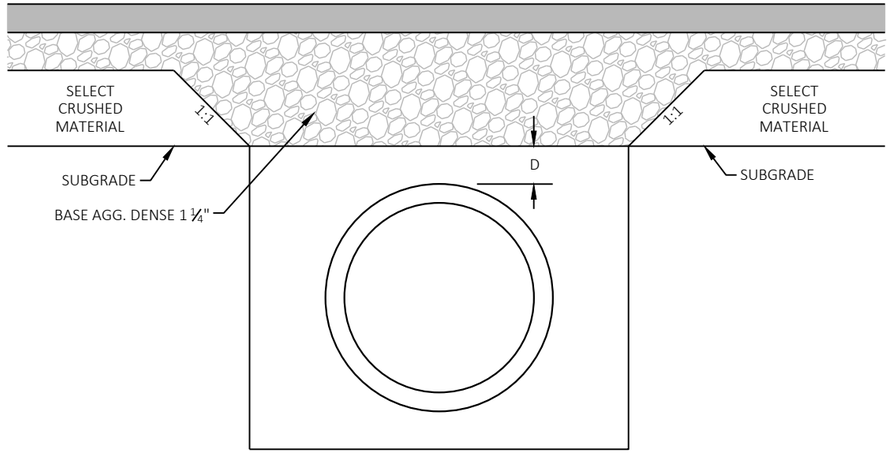
PIPE INSTALLATION AREA WILL FOLLOW SECTION 520 FOR INSTALLATION, WIDTHS AND PAYMENT.

CONSTRUCT TRANSITION PERPENDICULAR TO CULVERT PIPE.

CULVERT PIPE TRANSITION AREAS WILL BE PAID BY COMMON EXCAVATION & SPV FOUNDATION BACKFILL.

PAVEMENT SAW CUT TO BE PERPENDICULAR TO ROADWAY ALIGNMENT.

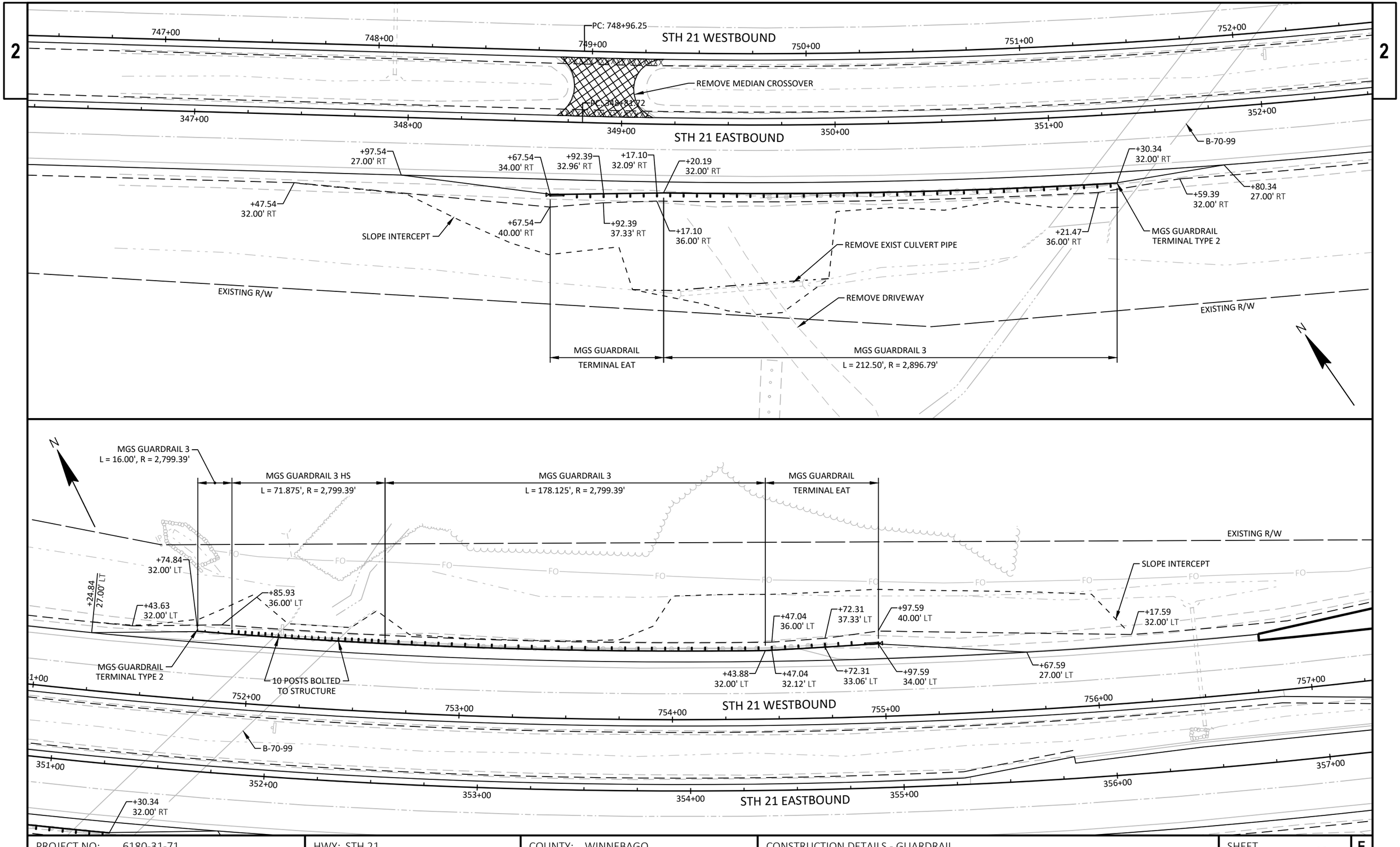
NEW CULVERT PIPES WITH TRANSITION



SUBGRADE IMPROVEMENT GRADING AT STORM SEWER WHEN D<6"

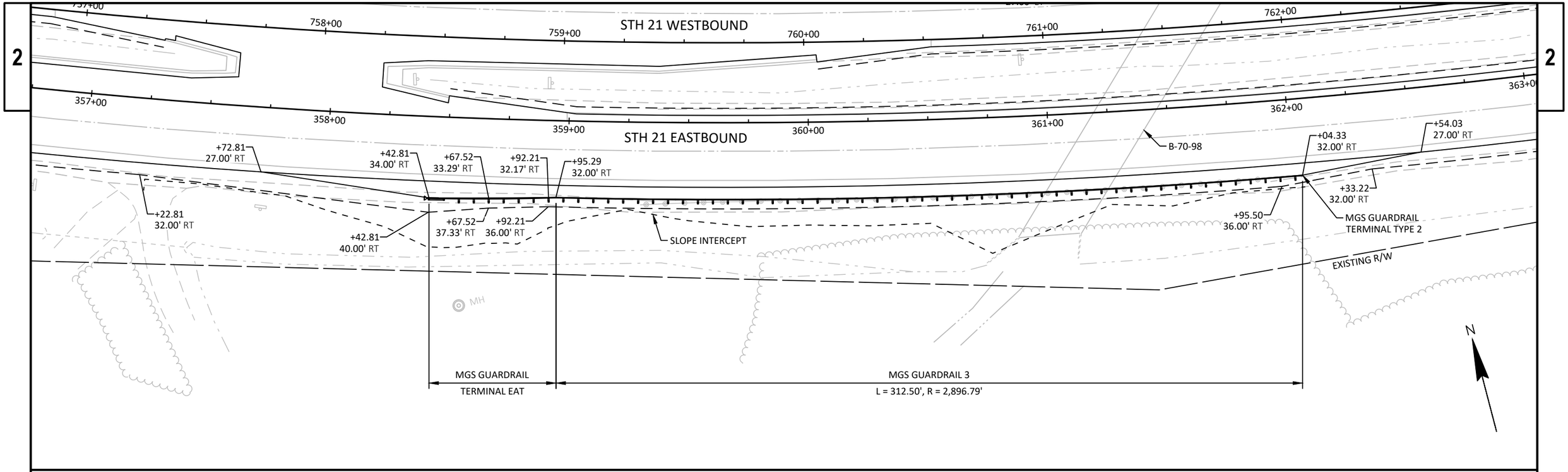
PROJECT NO: 6180-31-71	HWY: STH 21	COUNTY: WINNEBAGO	CONSTRUCTION DETAILS	SHEET 21	E

FILE NAME : N:\3001455.00\CIVIL 3D\SHEETS\61803171-021110-CD.DWG
LAYOUT NAME - 61803171-021111-cd
PLOT DATE : 7/17/2025 8:37 AM PLOT BY : MATT TOMSOVIC PLOT NAME : PLOT SCALE : ##########
WISDOT/CADDS SHEET 42



PROJECT NO: 6180-31-71	HWY: STH 21	COUNTY: WINNEBAGO	CONSTRUCTION DETAILS - GUARDRAIL	SHEET 22	E

FILE NAME : N:\3001455.00\CIVIL 3D\SHEETS\61803171-021115-CD.DWG
LAYOUT NAME - 61803171-021115-cd
PLOT DATE : 2/14/2025 10:00 AM
PLOT BY : ANDY WESTBROOK
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44



PROJECT NO: 6180-31-71	HWY: STH 21	COUNTY: WINNEBAGO	CONSTRUCTION DETAILS - GUARDRAIL	SHEET 23	E

2

2

ASDF

796.52 795.99 795.46 794.93 794.41 793.88 793.35 792.82 792.29 791.77 791.24 790.71

CMSN1

796.96 796.45 796.08 728'WB' 795.93

HMA-9.75

+92.36'WB' 5.00' RT

+92.36'EB' 4.00' LT

R5'

796.75 796.21 795.91 795.74 795.67 328'EB'

STH 21 WESTBOUND

795.41 794.89 794.37 729'WB' 793.85 793.33 792.81 792.29 730'WB' 791.77 791.25

HMA-9.75

+72.50'EB' 0.00' LT

795.18 795.12 794.62 794.58 794.09 794.04

CG-36D4M

CS-4 CCR

793.50 329'EB' 792.96 792.41 791.87 791.33 330'EB' 790.79

796.41 795.87 795.33 794.78 794.24 793.70 793.16 792.62 792.07 791.53 790.99 790.45

STH 21 EASTBOUND

HMA-9.75

BNC: 327+83.17 SE = -2.0%

MATCH LINE STA 330+45

N

LEGEND:

AF	ASPHALTIC FLUME	CCR	COLORING CONCRETE, WISDOT RED
AS	ASPHALTIC SURFACE, MATCH EXISTING	CPTA-12	CONCRETE ROUNDABOUT TRUCK APRON, 12-INCH
ASDF	ASPHALTIC SURFACE, DRIVEWAYS AND FIELD ENTRANCES	CS-4	CONCRETE SIDEWALK, 4-INCH
CCP	CONCRETE CURB, PEDESTRIAN	CS-5	CONCRETE SIDEWALK, 5-INCH
CD-6	CONCRETE DRIVEWAY, 6-INCH	CS-6	CONCRETE SIDEWALK, 6-INCH
CG-18AM	CONCRETE CURB AND GUTTER, 18-INCH, TYPE A MODIFIED	DWF-NP	CURB RAMP DETECTABLE WARNING FIELD, NATURAL PATINA
CG-30A	CONCRETE CURB AND GUTTER 30-INCH TYPE A	DWF-NPR	CURB RAMP DETECTABLE WARNING FIELD, NATURAL PATINA, RADIAL
CG-30D	CONCRETE CURB AND GUTTER, 30-INCH, TYPE D	G	GRASS
CG-30DM	CONCRETE CURB AND GUTTER, 30-INCH, TYPE D MODIFIED	HMA-11.5	HMA PAVEMENT, 11-1/2 INCHES
CG-36A	CONCRETE CURB AND GUTTER, 36-INCH, TYPE A	HMA-2.5	HMA PAVEMENT, 2-1/2 INCHES (MILL & OVERLAY)
CG-36A6	CONCRETE CURB AND GUTTER 6-INCH SLOPED 36-INCH TYPE A	HMA-4.5	HMA PAVEMENT, 4-1/2 INCHES
CG-36D4M	CONCRETE CURB AND GUTTER, 4-INCH SLOPED, 36-INCH ,TYPE D MODIFIED	HMA-9.75	HMA PAVEMENT, 9-3/4 INCHES
CG-36D6M	CONCRETE CURB AND GUTTER, 6-INCH SLOPED, 36-INCH ,TYPE D MODIFIED	XXXX	SAWCUT ASPHALT
CG-30R4M	CONCRETE CURB AND GUTTER, 4-INCH SLOPED, 30-INCH, TYPE R MODIFIED	YYYY	SAWCUT CONCRETE
CMSN1	CONCRETE MEDIAN SLOPE NOSE, TYPE 1		
CMSN2	CONCRETE MEDIAN SLOPE NOSE, TYPE 2		

PROJECT NO: 6180-31-71	HWY: STH 21	COUNTY: WINNEBAGO	PAVING DETAILS - ROUNDABOUT WEST	SHEET 24	E

2

MATCH LINE STA 330+45

+42.09'WB'
27.33' LT

790.18 789.67 789.25 788.91 788.72

+42.89'WB'
32.00' LT

+25.66'NW'
2.50' LT

+33.94'NW'
2.50' LT

+38.50'NW'
5.96' LT

+44.05'NW'
16.45' LT

788.62 3' TYP. 788.52 788.47

+06.72'WB'
24.00' LT

788.46
LP+75.0

+36.54'NW'
8.50' LT

788.60
61'NW'

788.80 788.99 789.18 789.32
HP+92.0 789.29
62'NW'

CS-5 CS-5 CS-5 G G 10' 10' 9'

DWF-NP
CS-6

HMA-9.75 HMA-9.75

STH 21 WESTBOUND

CG-30DM

10' CURB & GUTTER TRANSITION

790.73 790.25 731'WB' 789.86 789.54 789.30 789.14 732'WB' 789.07 LP+11.2 789.06 789.07 789.16 789.28 733'WB' 789.41 789.45

DWF-NP

CMSN2

+51.69'WB'
3.00' RT

+61.67'WB'
2.50' RT

+09.38'WB'
5.00' RT

789.48

789.64

CS-4
CCR

CG-36D4M

CG-30DM

CS-4
CCR

+85.67'EB'
13.94' LT

CCP

CCP

CS-6

10'

CS-4
CCR

+53.83'EB'
3.00' LT

+63.86'EB'
2.50' LT

789.04 789.03
LP+87.5

789.04
332'EB'

789.12 789.25 789.37

CG-30DM

789.53

VARIES
31' - 30'

789.74

+09.69'EB'
3.00' LT

R3'

789.62

789.90

790.29 789.87 789.54
331'EB'
789.29 789.12

HMA-9.75

STH 21 EASTBOUND

10' CURB & GUTTER TRANSITION

789.58

789.50
333'EB'

789.55

789.59

CMSN2

HP+35.0
789.75

HP+35.0
789.63

HP+35.0
789.91

789.95 789.82 789.51 789.13 788.75

+57.67'EB'
17.00' RT

MAN: 331+00.00 SE = -2.0%

MAN: 331+56.09 SE = -2.8%
27.95' RT

788.32

788.48 788.41 788.51 788.61

CG-36D4M

31'SW'
788.74

VPI+07.6
788.78

DWF-NP

12'

789.73

789.61

789.89

+26.52'SW'
3.00' RT

+35.62'SW'
3.00' RT

5'

5'

G

8.5'

CS-5

10'

+49.10'SW'
11.50' RT

+57.91'SW'
21.50' RT

+73.90'SW'
8.50' RT

5.5'

CPTA-12
CCR

G

789.03

HMA-9.75

CS-5

+11.79'SW'
11.50' RT

CS-5

CPTA-12
CCR

G

VPI+47.9
789.38

HP+58.5
789.42

5.5'

789.77

789.50

789.62

+58.13'SW'
8.50' RT

+68.43'SW'
2.50' RT

G

789.36

CG-30DM

+58.09'SW'
21.50' RT

10' CURB & GUTTER TRANSITION

+76.13'SW'
19.98' RT

CS-5

+93.10'SW'
18.50' RT

10'

6'

789.25

VPI +03.8
789.23

+93.10'SW'
48.50' RT

R30'

VPI +14.9

N

LEGEND:

AF	ASPHALTIC FLUME	CCR	COLORING CONCRETE, WISDOT RED
AS	ASPHALTIC SURFACE, MATCH EXISTING	CPTA-12	CONCRETE ROUNDABOUT TRUCK APRON, 12-INCH
ASDF	ASPHALTIC SURFACE, DRIVEWAYS AND FIELD ENTRANCES	CS-4	CONCRETE SIDEWALK, 4-INCH
CCP	CONCRETE CURB, PEDESTRIAN	CS-5	CONCRETE SIDEWALK, 5-INCH
CD-6	CONCRETE DRIVEWAY, 6-INCH	CS-6	CONCRETE SIDEWALK, 6-INCH
CG-18AM	CONCRETE CURB AND GUTTER, 18-INCH, TYPE A MODIFIED	DWF-NP	CURB RAMP DETECTABLE WARNING FIELD, NATURAL PATINA
CG-30A	CONCRETE CURB AND GUTTER 30-INCH TYPE A	DWF-NPR	CURB RAMP DETECTABLE WARNING FIELD, NATURAL PATINA, RADIAL
CG-30D	CONCRETE CURB AND GUTTER, 30-INCH, TYPE D	G	GRASS
CG-30DM	CONCRETE CURB AND GUTTER, 30-INCH, TYPE D MODIFIED	HMA-11.5	HMA PAVEMENT, 11-1/2 INCHES
CG-36A	CONCRETE CURB AND GUTTER, 36-INCH, TYPE A	HMA-2.5	HMA PAVEMENT, 2-1/2 INCHES (MILL & OVERLAY)
CG-36A6	CONCRETE CURB AND GUTTER 6-INCH SLOPED 36-INCH TYPE A	HMA-4.5	HMA PAVEMENT, 4-1/2 INCHES
CG-36D4M	CONCRETE CURB AND GUTTER, 4-INCH SLOPED, 36-INCH ,TYPE D MODIFIED	HMA-9.75	HMA PAVEMENT, 9-3/4 INCHES
CG-36D6M	CONCRETE CURB AND GUTTER, 6-INCH SLOPED, 36-INCH ,TYPE D MODIFIED	XXXX	SAWCUT ASPHALT
CG-30R4M	CONCRETE CURB AND GUTTER, 4-INCH SLOPED, 30-INCH, TYPE R MODIFIED	YYYY	SAWCUT CONCRETE
CMSN1	CONCRETE MEDIAN SLOPE NOSE, TYPE 1		
CMSN2	CONCRETE MEDIAN SLOPE NOSE, TYPE 2		

PROJECT NO: 6180-31-71	HWY: STH 21	COUNTY: WINNEBAGO	PAVING DETAILS - ROUNDABOUT WEST	SHEET 25 E

FILE NAME : N:\3001455.00\CIVIL 3D\SHEETS\61803171-021202-PD.DWG
LAYOUT NAME - 61803171-021212-pd

PLOT DATE : 9/18/2025 9:21 AM PLOT BY : MATT TOMSOVIC PLOT NAME : PLOT SCALE : 1 IN:20 FT

2

LEGEND:

AF	ASPHALTIC FLUME	CCR	COLORING CONCRETE, WISDOT RED
AS	ASPHALTIC SURFACE, MATCH EXISTING	CPTA-12	CONCRETE ROUNDABOUT TRUCK APRON, 12-INCH
ASDF	ASPHALTIC SURFACE, DRIVEWAYS AND FIELD ENTRANCES	CS-4	CONCRETE SIDEWALK, 4-INCH
CCP	CONCRETE CURB, PEDESTRIAN	CS-5	CONCRETE SIDEWALK, 5-INCH
CD-6	CONCRETE DRIVEWAY, 6-INCH	CS-6	CONCRETE SIDEWALK, 6-INCH
CG-18AM	CONCRETE CURB AND GUTTER, 18-INCH, TYPE A MODIFIED	DWF-NP	CURB RAMP DETECTABLE WARNING FIELD, NATURAL PATINA
CG-30A	CONCRETE CURB AND GUTTER 30-INCH TYPE A	DWF-NPR	CURB RAMP DETECTABLE WARNING FIELD, NATURAL PATINA, RADIAL
CG-30D	CONCRETE CURB AND GUTTER, 30-INCH, TYPE D	G	GRASS
CG-30DM	CONCRETE CURB AND GUTTER, 30-INCH, TYPE D MODIFIED	HMA-11.5	HMA PAVEMENT, 11-1/2 INCHES
CG-36A	CONCRETE CURB AND GUTTER, 36-INCH, TYPE A	HMA-2.5	HMA PAVEMENT, 2-1/2 INCHES (MILL & OVERLAY)
CG-36A6	CONCRETE CURB AND GUTTER 6-INCH SLOPED 36-INCH TYPE A	HMA-4.5	HMA PAVEMENT, 4-1/2 INCHES
CG-36D4M	CONCRETE CURB AND GUTTER, 4-INCH SLOPED, 36-INCH ,TYPE D MODIFIED	HMA-9.75	HMA PAVEMENT, 9-3/4 INCHES
CG-36D6M	CONCRETE CURB AND GUTTER, 6-INCH SLOPED, 36-INCH ,TYPE D MODIFIED	XXXX	SAWCUT ASPHALT
CG-30R4M	CONCRETE CURB AND GUTTER, 4-INCH SLOPED, 30-INCH, TYPE R MODIFIED	YYYY	SAWCUT CONCRETE
CMSN1	CONCRETE MEDIAN SLOPE NOSE, TYPE 1		
CMSN2	CONCRETE MEDIAN SLOPE NOSE, TYPE 2		

CENTER
N = 478629.857
E = 770626.434

788.80
VPI+71.9

VPI+80.3
788.83

VPI+86.3
788.79

VPI+42.3
788.63

VPI+32.8
788.49

10' CURB & GUTTER TRANSITION

10' CURB & GUTTER TRANSITION

STH 21 WESTBOUND

STH 21 EASTBOUND

MATCH LINE STA 337+45

N

2

2

N

MATCH LINE STA 337+45

HMA-9.75

CS-4
CCR

CG-36D4M

STH 21 WESTBOUND

ENC: 738+69.30 SE = -2.0%

LC: 739+22.83 SE = 0.0%

RC: 739+76.36 SE = -2.0%

LP+78.7
786.37

+04.90'WB'
0.00' RT

+98.21'EB'
0.00' LT

+18.65'WB'
29.00' LT

STH 21 EASTBOUND

ENC: 338+32.62 SE = -2.0%

LC: 338+86.10 SE = -2.0%

RC: 339+39.58 SE = -2.0%

LP+23.9

+75.01'WB'
4.00' RT

+68.28'EB'
4.01' LT

+85.05'WB'
3.98' RT

+25.17'WB'
3.00' RT

+18.05'EB'
3.00' LT

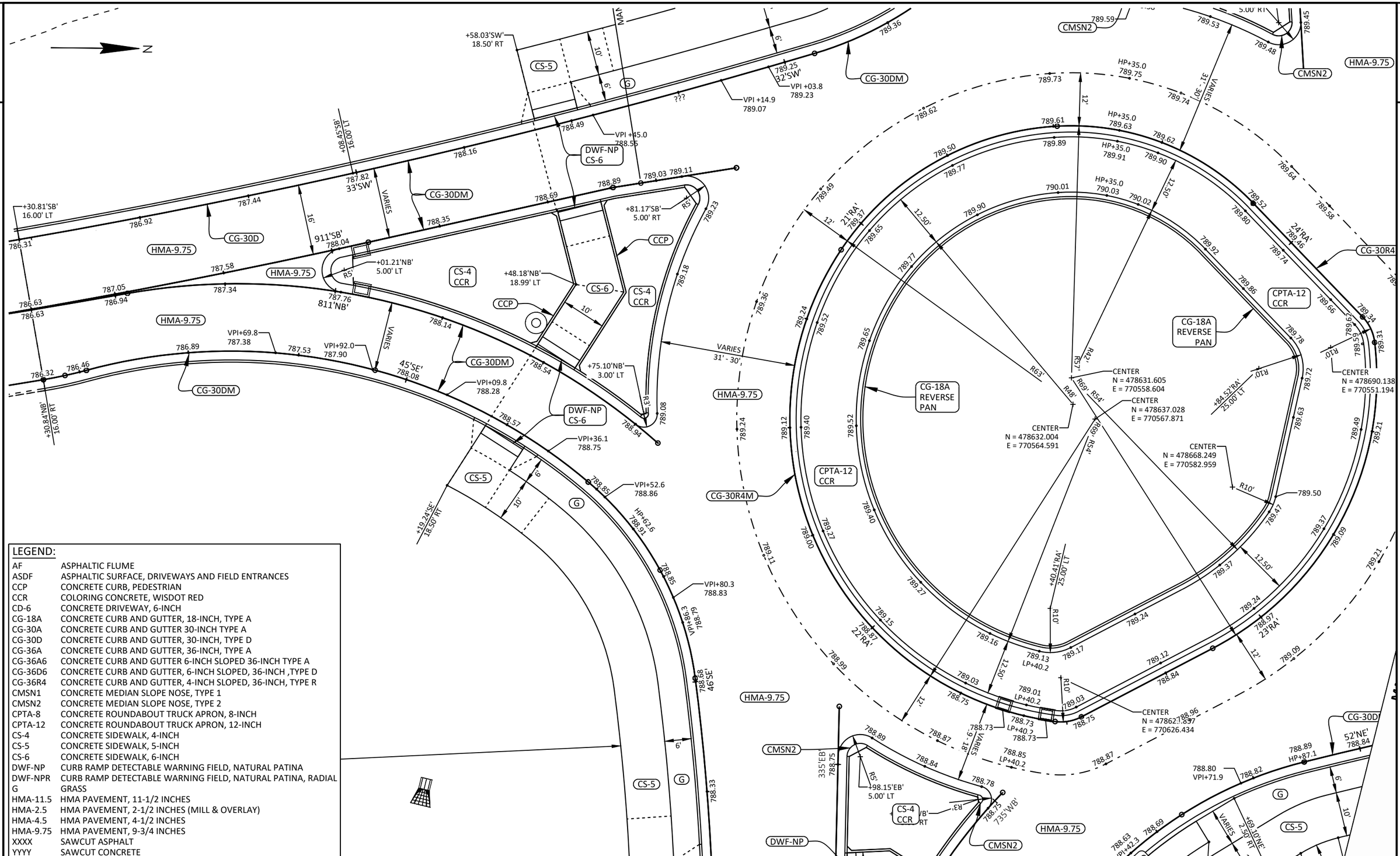
+68.11'EB'
29.00' RT

340+09.10 SE = -4.6%

LEGEND:

AF	ASPHALTIC FLUME	CCR	COLORING CONCRETE, WISDOT RED
AS	ASPHALTIC SURFACE, MATCH EXISTING	CPTA-12	CONCRETE ROUNDABOUT TRUCK APRON, 12-INCH
ASDF	ASPHALTIC SURFACE, DRIVEWAYS AND FIELD ENTRANCES	CS-4	CONCRETE SIDEWALK, 4-INCH
CCP	CONCRETE CURB, PEDESTRIAN	CS-5	CONCRETE SIDEWALK, 5-INCH
CD-6	CONCRETE DRIVEWAY, 6-INCH	CS-6	CONCRETE SIDEWALK, 6-INCH
CG-18AM	CONCRETE CURB AND GUTTER, 18-INCH, TYPE A MODIFIED	DWF-NP	CURB RAMP DETECTABLE WARNING FIELD, NATURAL PATINA
CG-30A	CONCRETE CURB AND GUTTER 30-INCH TYPE A	DWF-NPR	CURB RAMP DETECTABLE WARNING FIELD, NATURAL PATINA, RADIAL
CG-30D	CONCRETE CURB AND GUTTER, 30-INCH, TYPE D	G	GRASS
CG-30DM	CONCRETE CURB AND GUTTER, 30-INCH, TYPE D MODIFIED	HMA-11.5	HMA PAVEMENT, 11-1/2 INCHES
CG-36A	CONCRETE CURB AND GUTTER, 36-INCH, TYPE A	HMA-2.5	HMA PAVEMENT, 2-1/2 INCHES (MILL & OVERLAY)
CG-36A6	CONCRETE CURB AND GUTTER 6-INCH SLOPED 36-INCH TYPE A	HMA-4.5	HMA PAVEMENT, 4-1/2 INCHES
CG-36D4M	CONCRETE CURB AND GUTTER, 4-INCH SLOPED, 36-INCH ,TYPE D MODIFIED	HMA-9.75	HMA PAVEMENT, 9-3/4 INCHES
CG-36D6M	CONCRETE CURB AND GUTTER, 6-INCH SLOPED, 36-INCH ,TYPE D MODIFIED	XXXX	SAWCUT ASPHALT
CG-30R4M	CONCRETE CURB AND GUTTER, 4-INCH SLOPED, 30-INCH, TYPE R MODIFIED	YYYY	SAWCUT CONCRETE
CMSN1	CONCRETE MEDIAN SLOPE NOSE, TYPE 1		
CMSN2	CONCRETE MEDIAN SLOPE NOSE, TYPE 2		

PROJECT NO: 6180-31-71	HWY: STH 21	COUNTY: WINNEBAGO	PAVING DETAILS- ROUNDABOUT EAST	SHEET 27	E



LEGEND:	
AF	ASPHALTIC FLUME
ASDF	ASPHALTIC SURFACE, DRIVEWAYS AND FIELD ENTRANCES
CCP	CONCRETE CURB, PEDESTRIAN
CCR	COLORING CONCRETE, WISDOT RED
CD-6	CONCRETE DRIVEWAY, 6-INCH
CG-18A	CONCRETE CURB AND GUTTER, 18-INCH, TYPE A
CG-30A	CONCRETE CURB AND GUTTER 30-INCH TYPE A
CG-30D	CONCRETE CURB AND GUTTER, 30-INCH, TYPE D
CG-36A	CONCRETE CURB AND GUTTER, 36-INCH, TYPE A
CG-36A6	CONCRETE CURB AND GUTTER 6-INCH SLOPED 36-INCH TYPE A
CG-36D6	CONCRETE CURB AND GUTTER, 6-INCH SLOPED, 36-INCH ,TYPE D
CG-36R4	CONCRETE CURB AND GUTTER, 4-INCH SLOPED, 36-INCH, TYPE R
CMSN1	CONCRETE MEDIAN SLOPE NOSE, TYPE 1
CMSN2	CONCRETE MEDIAN SLOPE NOSE, TYPE 2
CPTA-8	CONCRETE ROUNDABOUT TRUCK APRON, 8-INCH
CPTA-12	CONCRETE ROUNDABOUT TRUCK APRON, 12-INCH
CS-4	CONCRETE SIDEWALK, 4-INCH
CS-5	CONCRETE SIDEWALK, 5-INCH
CS-6	CONCRETE SIDEWALK, 6-INCH
DWF-NP	CURB RAMP DETECTABLE WARNING FIELD, NATURAL PATINA
DWF-NPR	CURB RAMP DETECTABLE WARNING FIELD, NATURAL PATINA, RADIAL
G	GRASS
HMA-11.5	HMA PAVEMENT, 11-1/2 INCHES
HMA-2.5	HMA PAVEMENT, 2-1/2 INCHES (MILL & OVERLAY)
HMA-4.5	HMA PAVEMENT, 4-1/2 INCHES
HMA-9.75	HMA PAVEMENT, 9-3/4 INCHES
XXXX	SAWCUT ASPHALT
YYYY	SAWCUT CONCRETE

PROJECT NO: 6180-31-71	HWY: STH 21	COUNTY: WINNEBAGO	PAVING DETAILS - LEONARD POINT RD	SHEET 28	E

2

LEGEND:

AF	ASPHALTIC FLUME	CCR	COLORING CONCRETE, WISDOT RED
AS	ASPHALTIC SURFACE, MATCH EXISTING	CPTA-12	CONCRETE ROUNDABOUT TRUCK APRON, 12-INCH
ASDF	ASPHALTIC SURFACE, DRIVEWAYS AND FIELD ENTRANCES	CS-4	CONCRETE SIDEWALK, 4-INCH
CCP	CONCRETE CURB, PEDESTRIAN	CS-5	CONCRETE SIDEWALK, 5-INCH
CD-6	CONCRETE DRIVEWAY, 6-INCH	CS-6	CONCRETE SIDEWALK, 6-INCH
CG-18AM	CONCRETE CURB AND GUTTER, 18-INCH, TYPE A MODIFIED	DWF-NP	CURB RAMP DETECTABLE WARNING FIELD, NATURAL PATINA
CG-30A	CONCRETE CURB AND GUTTER 30-INCH TYPE A	DWF-NPR	CURB RAMP DETECTABLE WARNING FIELD, NATURAL PATINA, RADIAL
CG-30D	CONCRETE CURB AND GUTTER, 30-INCH, TYPE D	G	GRASS
CG-30DM	CONCRETE CURB AND GUTTER, 30-INCH, TYPE D MODIFIED	HMA-11.5	HMA PAVEMENT, 11-1/2 INCHES
CG-36A	CONCRETE CURB AND GUTTER, 36-INCH, TYPE A	HMA-2.5	HMA PAVEMENT, 2-1/2 INCHES (MILL & OVERLAY)
CG-36A6	CONCRETE CURB AND GUTTER 6-INCH SLOPED 36-INCH TYPE A	HMA-4.5	HMA PAVEMENT, 4-1/2 INCHES
CG-36D4M	CONCRETE CURB AND GUTTER, 4-INCH SLOPED, 36-INCH ,TYPE D MODIFIED	HMA-9.75	HMA PAVEMENT, 9-3/4 INCHES
CG-36D6M	CONCRETE CURB AND GUTTER, 6-INCH SLOPED, 36-INCH ,TYPE D MODIFIED	XXXX	SAWCUT ASPHALT
CG-30R4M	CONCRETE CURB AND GUTTER, 4-INCH SLOPED, 30-INCH, TYPE R MODIFIED	YYYY	SAWCUT CONCRETE
CMSN1	CONCRETE MEDIAN SLOPE NOSE, TYPE 1		
CMSN2	CONCRETE MEDIAN SLOPE NOSE, TYPE 2		

MATCH LINE STA 813+55

MATCH LINE STA 816+60

MATCH LINE STA 10+90

LEONARD POINT RD SOUTHBOUND

OMRO RD

STA 815+18.13 R/L LEONARD PT RD NB =
STA 10+00.00 R/L OMRO RD

MAN: 914+25.00 SE = 0.0%

MAN: 914+91.80 SE = 0.0%

MAN: 814+44.45 SE = -2.0%

MAN: 814+80.90 SE = -2.0%

MAN: 815+00.45 SE = -1.8%

MAN: 815+45.07 SE = -1.8%

MAN: 815+77.23 SE = -2.0%

MAN: 816+19.08 SE = -2.0%

MAN: 816+44.10 SE = -2.0%

MAN: 916+48.18

CS-5 CS-6 CS-4 CS-4 CCR CD-6 G DWF-NP DWF-NPR CMSN1 CMSN2 CG-30D CG-30DM HMA-9.75 HMA-4.5

VPI+30.8 789.13 789.06 788.72 788.28 787.79 63'NW' 787.45 787.36 LP+40.7 787.42 787.63 787.78 64'NW' 788.12 788.21 788.39 788.66 788.85 65'NW'

+72.68'NW' 8.50' LT +18.82'NW' 8.50' LT +67.32'NW' 18.48' LT +92.52' 20.20' +10.61'SB' 15.00' LT +43.37'SB' 15.99' LT +51.11'SB' 16.00' LT

789.09 789.16 914'SB' 788.76 788.33 787.96 787.84 LP+91.80 787.81 915'SB' 787.82 787.93 788.10 788.31 916'SB' 788.56 788.84 788.98

+81.64'SB' 3.00' RT +01.28'NB' 15.86' LT +52.85'NB' 5.00' LT

789.10 789.03 788.01 787.79 787.76 787.65 LP+88.2 787.64 787.65 787.73 787.77 787.95 788.18 788.45 816'NB' 788.77 788.90

+72.57'NB' 4.96' LT 788.41 814'NB' 788.05 787.33 LP+88.2 787.33 787.36 787.48 787.66 787.87 787.91 788.11 788.13 788.45 788.58 788.93

788.79 788.83 788.15 788.63 787.82 787.49 53'NE' 787.28 787.42 VPI 787.16 VPI 786.95 786.80 VPI 786.57 VPI 786.81 785.86 786.07 785.86 785.95 VPI

+02.41'NB' 27.79' RT +44.06'NB' 18.57' RT +57.70'NB' 36.81' RT +72.86'OM' 61.00' RT +72.86'OM' 16.00' RT +74.55'OM' 31.50' RT +44.99'NB' 63.56' RT +64.63'NB' 24.58' RT +64.50'NB' 34.62' RT +85.24'NB' 27.50' RT +99.78'NB' 31.00' RT +50.00'NB' 31.25' RT +57.61'OM' 31.50' LT +56.71'OM' 61.00' LT +76.76'NB' 61.00' RT +50.00'NB' 16.00' RT

10' 6' 10' 5' 8' 16' 16' 8' 5' 7.5' MIN VARIES 16' VARIES

R3' R5' R4'

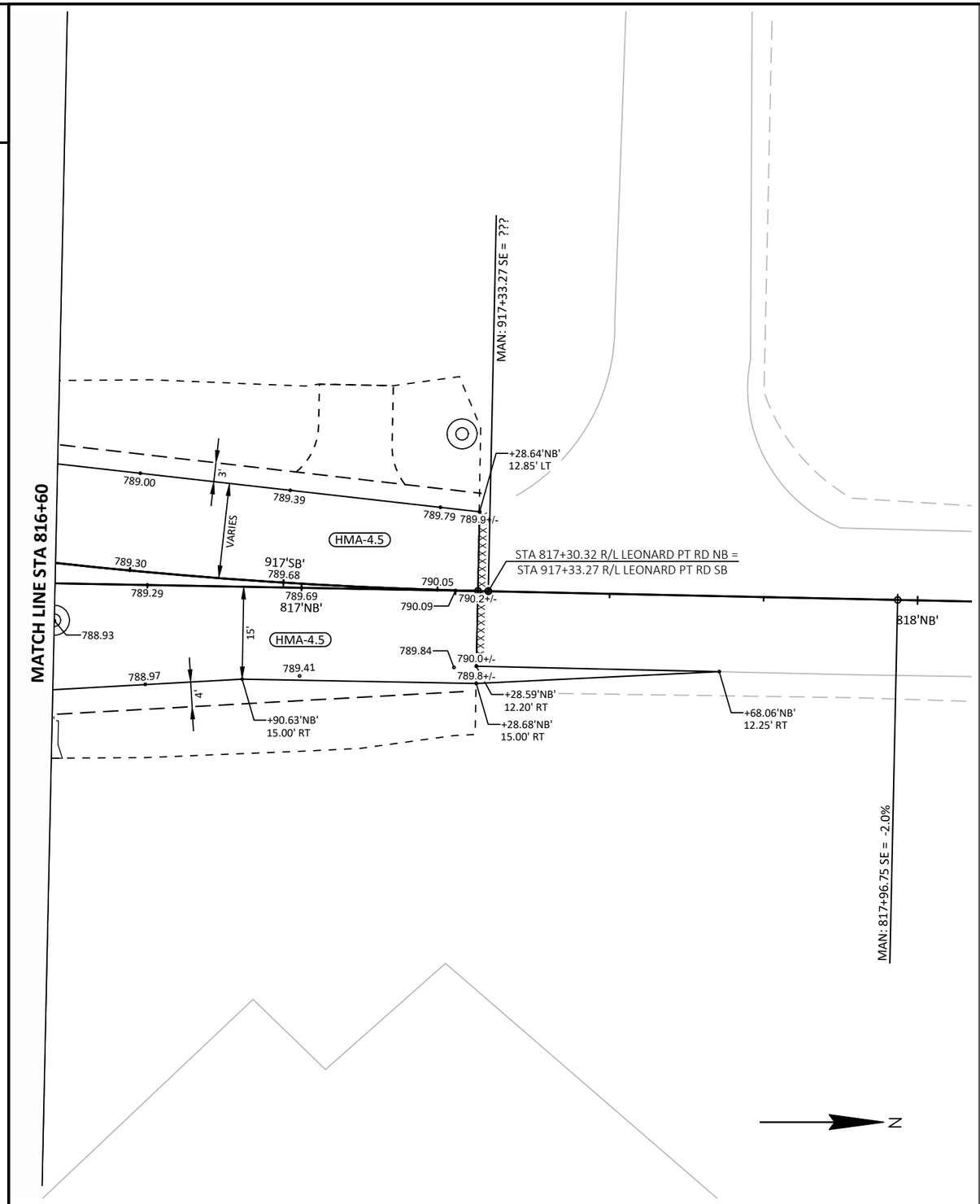
N

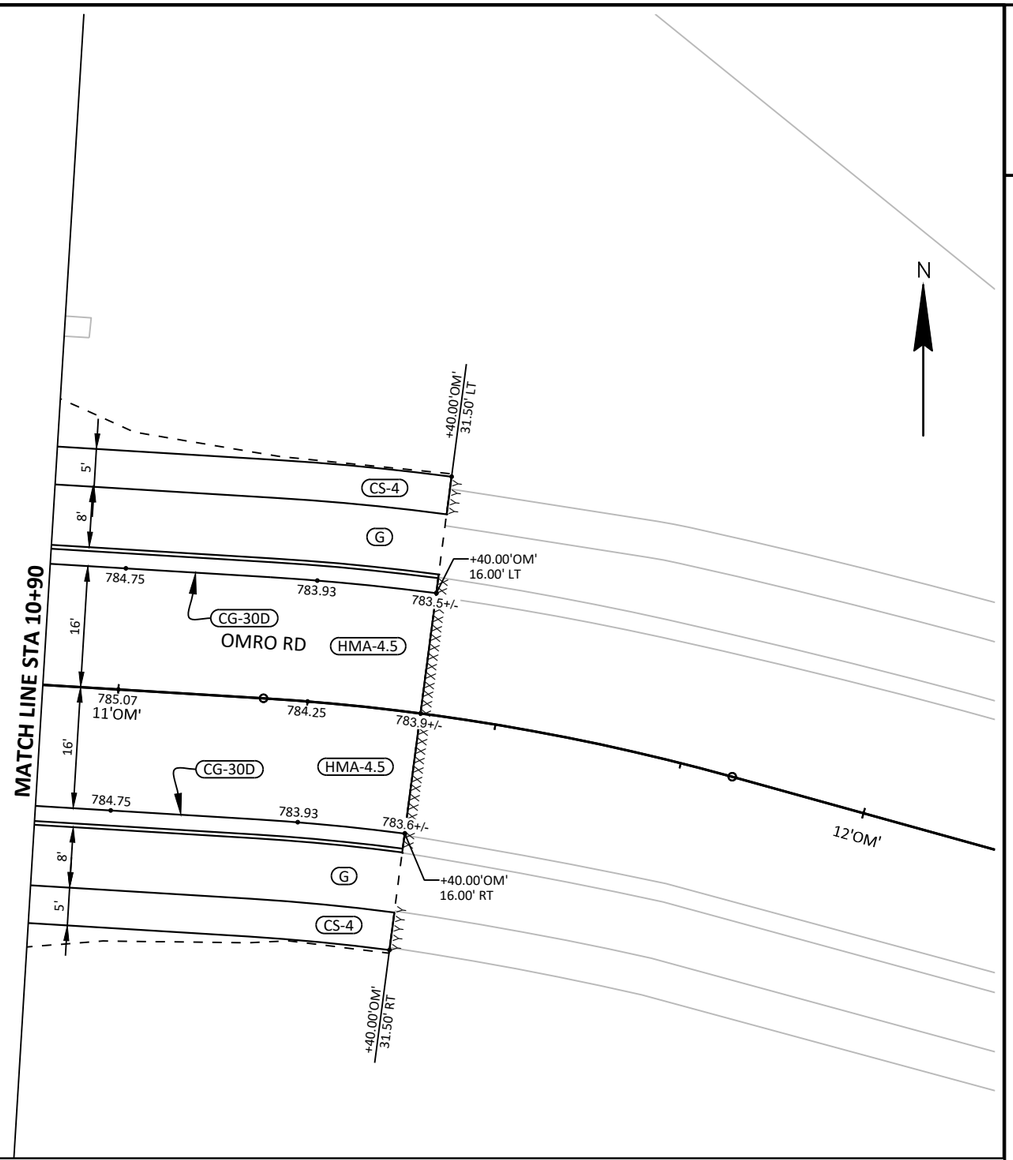
PROJECT NO: 6180-31-71	HWY: STH 21	COUNTY: WINNEBAGO	PAVING DETAILS - LEONARD POINT RD	SHEET 29 E

FILE NAME : N:\3001455.00\CIVIL 3D\SHEETS\61803171-021202-PD.DWG
LAYOUT NAME - 61803171-021222-pd

PLOT DATE : 9/18/2025 9:22 AM PLOT BY : MATT TOMSOVIC PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 42





LEGEND:

AF	ASPHALTIC FLUME	CCR	COLORING CONCRETE, WISDOT RED
AS	ASPHALTIC SURFACE, MATCH EXISTING	CPTA-12	CONCRETE ROUNDABOUT TRUCK APRON, 12-INCH
ASDF	ASPHALTIC SURFACE, DRIVEWAYS AND FIELD ENTRANCES	CS-4	CONCRETE SIDEWALK, 4-INCH
CCP	CONCRETE CURB, PEDESTRIAN	CS-5	CONCRETE SIDEWALK, 5-INCH
CD-6	CONCRETE DRIVEWAY, 6-INCH	CS-6	CONCRETE SIDEWALK, 6-INCH
CG-18AM	CONCRETE CURB AND GUTTER, 18-INCH, TYPE A MODIFIED	DWF-NP	CURB RAMP DETECTABLE WARNING FIELD, NATURAL PATINA
CG-30A	CONCRETE CURB AND GUTTER 30-INCH TYPE A	DWF-NPR	CURB RAMP DETECTABLE WARNING FIELD, NATURAL PATINA, RADIAL
CG-30D	CONCRETE CURB AND GUTTER, 30-INCH, TYPE D	G	GRASS
CG-30DM	CONCRETE CURB AND GUTTER, 30-INCH, TYPE D MODIFIED	HMA-11.5	HMA PAVEMENT, 11-1/2 INCHES
CG-36A	CONCRETE CURB AND GUTTER, 36-INCH, TYPE A	HMA-2.5	HMA PAVEMENT, 2-1/2 INCHES (MILL & OVERLAY)
CG-36A6	CONCRETE CURB AND GUTTER 6-INCH SLOPED 36-INCH TYPE A	HMA-4.5	HMA PAVEMENT, 4-1/2 INCHES
CG-36D4M	CONCRETE CURB AND GUTTER, 4-INCH SLOPED, 36-INCH ,TYPE D MODIFIED	HMA-9.75	HMA PAVEMENT, 9-3/4 INCHES
CG-36D6M	CONCRETE CURB AND GUTTER, 6-INCH SLOPED, 36-INCH ,TYPE D MODIFIED	XXXX	SAWCUT ASPHALT
CG-30R4M	CONCRETE CURB AND GUTTER, 4-INCH SLOPED, 30-INCH, TYPE R MODIFIED	YYYY	SAWCUT CONCRETE
CMSN1	CONCRETE MEDIAN SLOPE NOSE, TYPE 1		
CMSN2	CONCRETE MEDIAN SLOPE NOSE, TYPE 2		

PROJECT NO: 6180-31-71	HWY: STH 21	COUNTY: WINNEBAGO	PAVING DETAILS - LEONARD POINT RD	SHEET 30 E

FILE NAME : N:\3001455.00\CIVIL 3D\SHEETS\61803171-021202-PD.DWG
LAYOUT NAME - 61803171-021223-pd
PLOT DATE : 9/18/2025 9:22 AM PLOT BY : MATT TOMSOVIC PLOT NAME : PLOT SCALE : 1 IN:20 FT

2

N

STH 21 WESTBOUND

HMA-2.5 OVERLAY

787'WB'

+21.90'WB'
0.00' RT

784.20

784.07

783.94

788'WB'

+20.24'WB'
0.00' RT

783.82

783.72

783.61

783.50

789'WB'

783.37

CG-36A6

783.21

+79.54'WB'
12.85' RT

CS-4

G

CS-4

783.14

783.09

782.97

782.85

CG-36D6M REVERSE PAN

783.30

CG-36D6M

HMA-6.5

+25.00'EB'
6.18' LT

+57.04'EB'
0.00' LT

784.18

783.98

783.80

HMA-6.5

783.63

783.73

12'

783.38

783.33

783.19

783.09

783.55

+83.32'EB'
8.56' LT

+01.60'EB'
4.50' LT

CS-4

783.87

783.70

CMSN1

R2.5'

784.69

784.60

784.46
387'EB'

784.30

784.15

784.02

+89.37'EB'
0.00' LT

783.89
388'EB'

783.77

783.66

783.54

783.43
389'EB'

783.42

783.33

CG-36A6

MATCH LINE STA 389+30

HMA-2.5 OVERLAY

STH 21 EASTBOUND

BASE PATCHING CONCRETE

LEGEND:

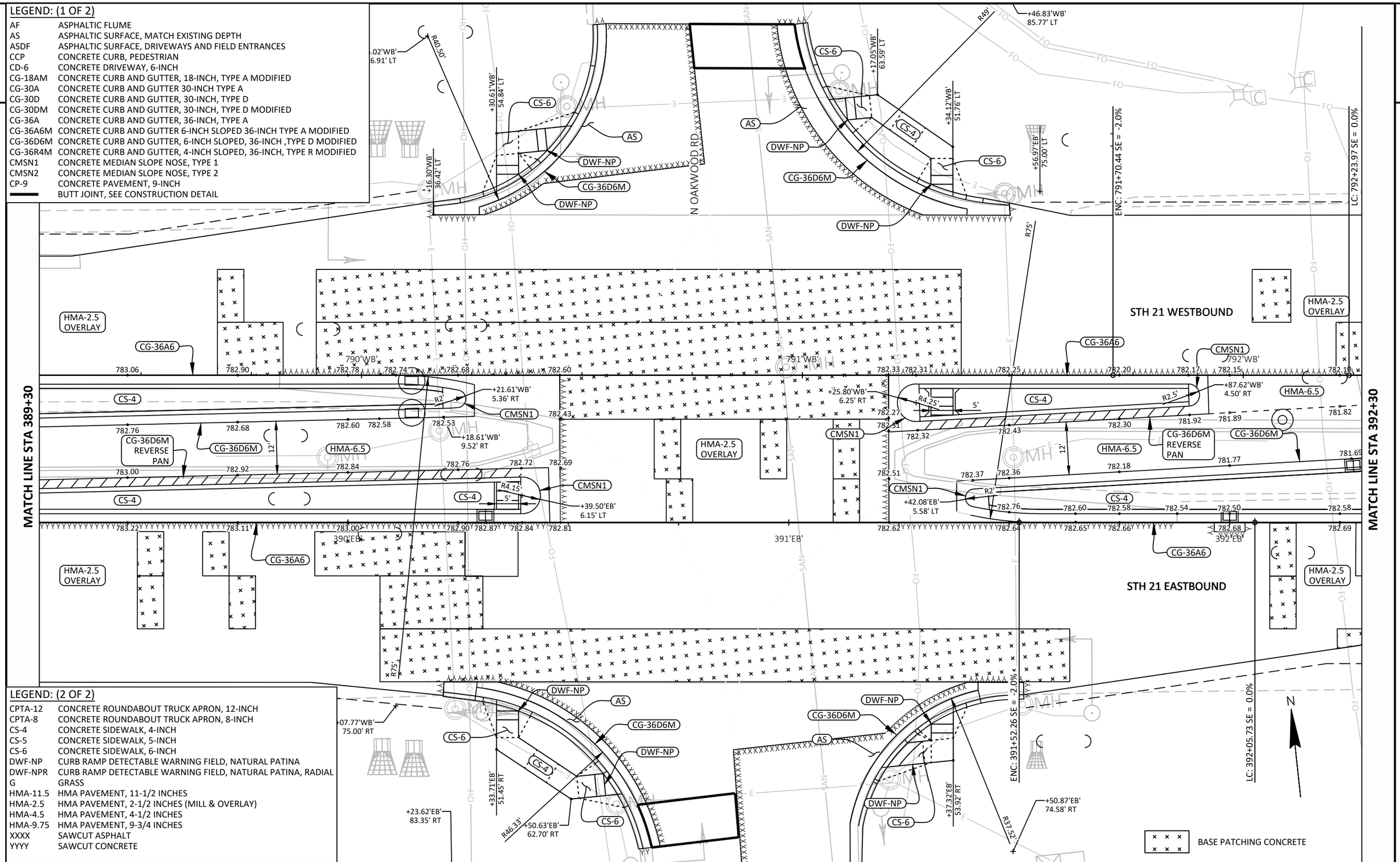
AF	ASPHALTIC FLUME
AS	ASPHALTIC SURFACE, MATCH EXISTING
ASDF	ASPHALTIC SURFACE, DRIVEWAYS AND FIELD ENTRANCES
CCP	CONCRETE CURB, PEDESTRIAN
CD-6	CONCRETE DRIVEWAY, 6-INCH
CG-18AM	CONCRETE CURB AND GUTTER, 18-INCH, TYPE A MODIFIED
CG-30A	CONCRETE CURB AND GUTTER 30-INCH TYPE A
CG-30D	CONCRETE CURB AND GUTTER, 30-INCH, TYPE D
CG-30DM	CONCRETE CURB AND GUTTER, 30-INCH, TYPE D MODIFIED
CG-36A	CONCRETE CURB AND GUTTER, 36-INCH, TYPE A
CG-36A6	CONCRETE CURB AND GUTTER 6-INCH SLOPED 36-INCH TYPE A
CG-36D4M	CONCRETE CURB AND GUTTER, 4-INCH SLOPED, 36-INCH ,TYPE D MODIFIED
CG-36D6M	CONCRETE CURB AND GUTTER, 6-INCH SLOPED, 36-INCH ,TYPE D MODIFIED
CG-30R4M	CONCRETE CURB AND GUTTER, 4-INCH SLOPED, 30-INCH, TYPE R MODIFIED
CMSN1	CONCRETE MEDIAN SLOPE NOSE, TYPE 1
CMSN2	CONCRETE MEDIAN SLOPE NOSE, TYPE 2
CCR	COLORING CONCRETE, WISDOT RED
CPTA-12	CONCRETE ROUNDABOUT TRUCK APRON, 12-INCH
CS-4	CONCRETE SIDEWALK, 4-INCH
CS-5	CONCRETE SIDEWALK, 5-INCH
CS-6	CONCRETE SIDEWALK, 6-INCH
DWF-NP	CURB RAMP DETECTABLE WARNING FIELD, NATURAL PATINA
DWF-NPR	CURB RAMP DETECTABLE WARNING FIELD, NATURAL PATINA, RADIAL
G	GRASS
HMA-11.5	HMA PAVEMENT, 11-1/2 INCHES
HMA-2.5	HMA PAVEMENT, 2-1/2 INCHES (MILL & OVERLAY)
HMA-4.5	HMA PAVEMENT, 4-1/2 INCHES
HMA-9.75	HMA PAVEMENT, 9-3/4 INCHES
XXXX	SAWCUT ASPHALT
YYYY	SAWCUT CONCRETE

PROJECT NO: 6180-31-71	HWY: STH 21	COUNTY: WINNEBAGO	PAVING DETAILS - OAKWOOD DR	SHEET 31	E

2

LEGEND: (1 OF 2)

AF	ASPHALTIC FLUME
AS	ASPHALTIC SURFACE, MATCH EXISTING DEPTH
ASDF	ASPHALTIC SURFACE, DRIVEWAYS AND FIELD ENTRANCES
CCP	CONCRETE CURB, PEDESTRIAN
CD-6	CONCRETE DRIVEWAY, 6-INCH
CG-18AM	CONCRETE CURB AND GUTTER, 18-INCH, TYPE A MODIFIED
CG-30A	CONCRETE CURB AND GUTTER 30-INCH TYPE A
CG-30D	CONCRETE CURB AND GUTTER, 30-INCH, TYPE D
CG-30DM	CONCRETE CURB AND GUTTER, 30-INCH, TYPE D MODIFIED
CG-36A	CONCRETE CURB AND GUTTER, 36-INCH, TYPE A
CG-36A6M	CONCRETE CURB AND GUTTER 6-INCH SLOPED 36-INCH TYPE A MODIFIED
CG-36D6M	CONCRETE CURB AND GUTTER, 6-INCH SLOPED, 36-INCH ,TYPE D MODIFIED
CG-36R4M	CONCRETE CURB AND GUTTER, 4-INCH SLOPED, 36-INCH, TYPE R MODIFIED
CMSN1	CONCRETE MEDIAN SLOPE NOSE, TYPE 1
CMSN2	CONCRETE MEDIAN SLOPE NOSE, TYPE 2
CP-9	CONCRETE PAVEMENT, 9-INCH
———	BUTT JOINT, SEE CONSTRUCTION DETAIL



LEGEND: (2 OF 2)

CPTA-12	CONCRETE ROUNDABOUT TRUCK APRON, 12-INCH
CPTA-8	CONCRETE ROUNDABOUT TRUCK APRON, 8-INCH
CS-4	CONCRETE SIDEWALK, 4-INCH
CS-5	CONCRETE SIDEWALK, 5-INCH
CS-6	CONCRETE SIDEWALK, 6-INCH
DWF-NP	CURB RAMP DETECTABLE WARNING FIELD, NATURAL PATINA
DWF-NPR G	CURB RAMP DETECTABLE WARNING FIELD, NATURAL PATINA, RADIAL GRASS
HMA-11.5	HMA PAVEMENT, 11-1/2 INCHES
HMA-2.5	HMA PAVEMENT, 2-1/2 INCHES (MILL & OVERLAY)
HMA-4.5	HMA PAVEMENT, 4-1/2 INCHES
HMA-9.75	HMA PAVEMENT, 9-3/4 INCHES
XXXX	SAWCUT ASPHALT
YYYY	SAWCUT CONCRETE

BASE PATCHING CONCRETE

PROJECT NO: 6180-31-71	HWY: STH 21	COUNTY: WINNEBAGO	PAVING DETAILS - OAKWOOD DR	SHEET 32 E

FILE NAME : N:\3001455.00\CIVIL 3D\SHEETS\61803171-021202-PD.DWG
LAYOUT NAME - 61803171-021232-pd
PLOT DATE : 9/18/2025 9:22 AM
PLOT BY : MATT TOMSOVIC
PLOT NAME :
PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 42

2

2

MATCH LINE STA 392+30

RC: 792+77.50 SE = 2.0%

BFS: 793+14.97 SE = 3.4%

HMA-2.5 OVERLAY

STH 21 WESTBOUND

782.12 782.13 782.13 782.13 782.14 782.14 782.15

793'WB' 794'WB' 795'WB'

782.05 782.07 782.07 782.10 782.13

+68.00'WB' 0.00' RT

HMA-6.5

12'

CG-36D6M

781.95 781.92 781.83 781.86 781.92

AF

+04.63'EB' 18.78' LT

CS-4

+05.29'EB' 0.00' LT

782.66 782.74 782.79 782.81

782.76 782.83 782.87 782.88 782.90

393'EB' 394'EB' 395'EB'

CG-36A6

HMA-2.5 OVERLAY

STH 21 EASTBOUND

STH 21 EASTBOUND

RC: 392+59.21 SE = 2.0%

BFS: 393+28.73 SE = 4.6%

N

BASE PATCHING CONCRETE

LEGEND:

AF	ASPHALTIC FLUME	CCR	COLORING CONCRETE, WISDOT RED
AS	ASPHALTIC SURFACE, MATCH EXISTING	CPTA-12	CONCRETE ROUNDABOUT TRUCK APRON, 12-INCH
ASDF	ASPHALTIC SURFACE, DRIVEWAYS AND FIELD ENTRANCES	CS-4	CONCRETE SIDEWALK, 4-INCH
CCP	CONCRETE CURB, PEDESTRIAN	CS-5	CONCRETE SIDEWALK, 5-INCH
CD-6	CONCRETE DRIVEWAY, 6-INCH	CS-6	CONCRETE SIDEWALK, 6-INCH
CG-18AM	CONCRETE CURB AND GUTTER, 18-INCH, TYPE A MODIFIED	DWF-NP	CURB RAMP DETECTABLE WARNING FIELD, NATURAL PATINA
CG-30A	CONCRETE CURB AND GUTTER 30-INCH TYPE A	DWF-NPR	CURB RAMP DETECTABLE WARNING FIELD, NATURAL PATINA, RADIAL
CG-30D	CONCRETE CURB AND GUTTER, 30-INCH, TYPE D	G	GRASS
CG-30DM	CONCRETE CURB AND GUTTER, 30-INCH, TYPE D MODIFIED	HMA-11.5	HMA PAVEMENT, 11-1/2 INCHES
CG-36A	CONCRETE CURB AND GUTTER, 36-INCH, TYPE A	HMA-2.5	HMA PAVEMENT, 2-1/2 INCHES (MILL & OVERLAY)
CG-36A6	CONCRETE CURB AND GUTTER 6-INCH SLOPED 36-INCH TYPE A	HMA-4.5	HMA PAVEMENT, 4-1/2 INCHES
CG-36D4M	CONCRETE CURB AND GUTTER, 4-INCH SLOPED, 36-INCH ,TYPE D MODIFIED	HMA-9.75	HMA PAVEMENT, 9-3/4 INCHES
CG-36D6M	CONCRETE CURB AND GUTTER, 6-INCH SLOPED, 36-INCH ,TYPE D MODIFIED	XXXX	SAWCUT ASPHALT
CG-30R4M	CONCRETE CURB AND GUTTER, 4-INCH SLOPED, 30-INCH, TYPE R MODIFIED	YYYY	SAWCUT CONCRETE
CMSN1	CONCRETE MEDIAN SLOPE NOSE, TYPE 1		
CMSN2	CONCRETE MEDIAN SLOPE NOSE, TYPE 2		

PROJECT NO: 6180-31-71	HWY: STH 21	COUNTY: WINNEBAGO	PAVING DETAILS - OAKWOOD DR	SHEET 33 E

FILE NAME : N:\3001455.00\CIVIL 3D\SHEETS\61803171-021202-PD.DWG
LAYOUT NAME - 61803171-021233-pd

PLOT DATE : 9/18/2025 9:22 AM PLOT BY : MATT TOMSOVIC PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 42

2

2

HMA-2.5 OVERLAY

STH 21 WESTBOUND

812'WB' 778.12

777.99

777.87

777.70

+76.44'WB' 0.00' RT

CS-4

+46.47'WB' 6.00' RT

+58.95'EB' 6.00' LT

+20.83'EB' 0.00' LT

778.01

+00.00'EB' 6.29' LT

777.82

HMA-6.5

813'WB' 777.52

777.34

STH 21 WESTBOUND

777.15

776.93

814'WB' 776.73

CG-36A6

776.55

776.34

HMA-2.5 OVERLAY

+73.19'EB' 20.19' LT

CS-4

776.06

776.04

776.31

776.57

CG-36D6M

776.83

777.06

777.32

777.58

12'

776.81

776.55

776.28

HMA-6.5

777.07

412'EB'

778.15

777.95

413'EB'

777.74

777.53

777.31

777.11

414'EB'

776.89

776.67

776.45

HMA-2.5 OVERLAY

STH 21 EASTBOUND

STH 21 EASTBOUND

HMA-2.5 OVERLAY

MATCH LINE STA 414+90

BASE PATCHING CONCRETE

LEGEND:

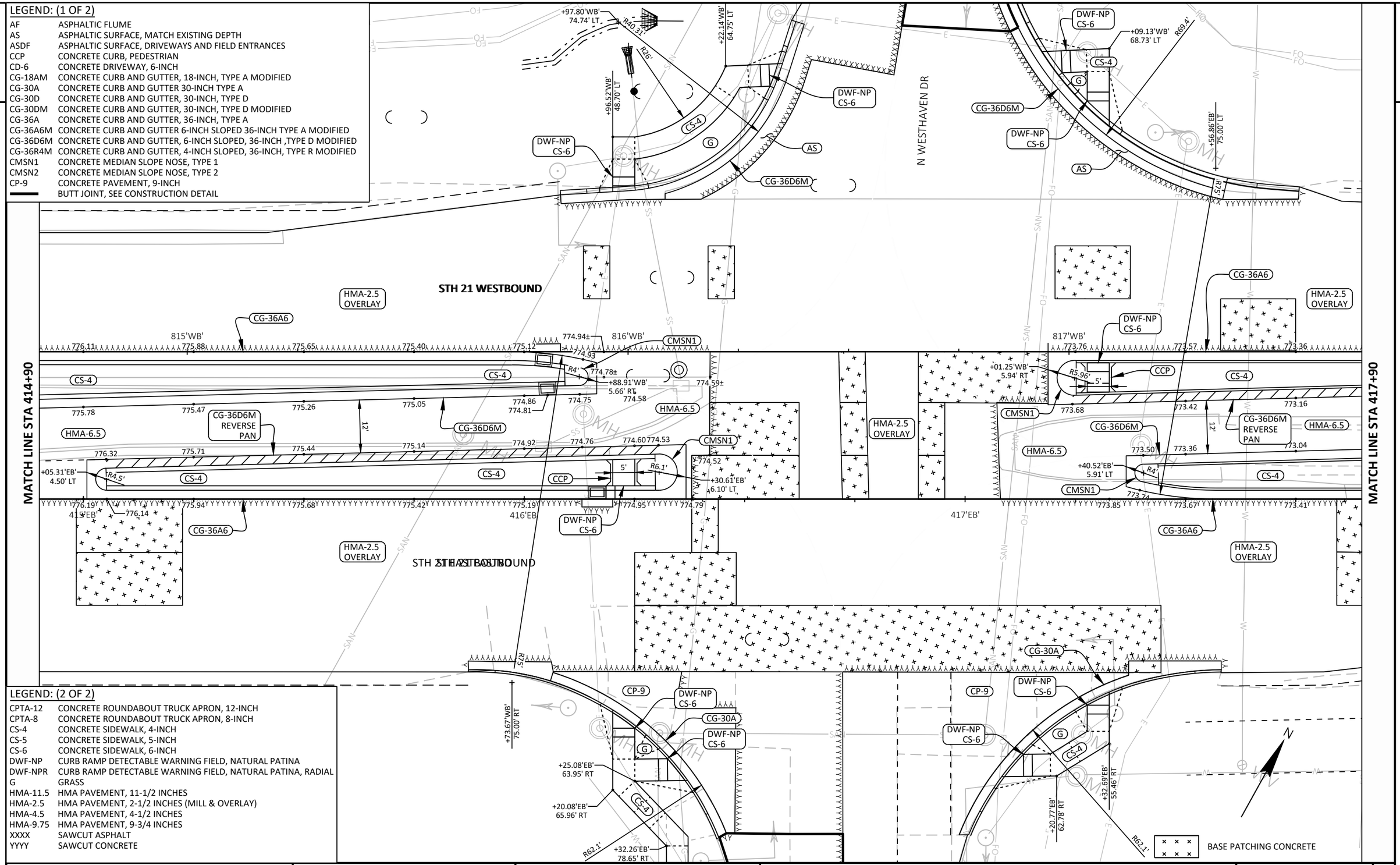
AF	ASPHALTIC FLUME	CCR	COLORING CONCRETE, WISDOT RED
AS	ASPHALTIC SURFACE, MATCH EXISTING	CPTA-12	CONCRETE ROUNDABOUT TRUCK APRON, 12-INCH
ASDF	ASPHALTIC SURFACE, DRIVEWAYS AND FIELD ENTRANCES	CS-4	CONCRETE SIDEWALK, 4-INCH
CCP	CONCRETE CURB, PEDESTRIAN	CS-5	CONCRETE SIDEWALK, 5-INCH
CD-6	CONCRETE DRIVEWAY, 6-INCH	CS-6	CONCRETE SIDEWALK, 6-INCH
CG-18AM	CONCRETE CURB AND GUTTER, 18-INCH, TYPE A MODIFIED	DWF-NP	CURB RAMP DETECTABLE WARNING FIELD, NATURAL PATINA
CG-30A	CONCRETE CURB AND GUTTER 30-INCH TYPE A	DWF-NPR	CURB RAMP DETECTABLE WARNING FIELD, NATURAL PATINA, RADIAL
CG-30D	CONCRETE CURB AND GUTTER, 30-INCH, TYPE D	G	GRASS
CG-30DM	CONCRETE CURB AND GUTTER, 30-INCH, TYPE D MODIFIED	HMA-11.5	HMA PAVEMENT, 11-1/2 INCHES
CG-36A	CONCRETE CURB AND GUTTER, 36-INCH, TYPE A	HMA-2.5	HMA PAVEMENT, 2-1/2 INCHES (MILL & OVERLAY)
CG-36A6	CONCRETE CURB AND GUTTER 6-INCH SLOPED 36-INCH TYPE A	HMA-4.5	HMA PAVEMENT, 4-1/2 INCHES
CG-36D4M	CONCRETE CURB AND GUTTER, 4-INCH SLOPED, 36-INCH ,TYPE D MODIFIED	HMA-9.75	HMA PAVEMENT, 9-3/4 INCHES
CG-36D6M	CONCRETE CURB AND GUTTER, 6-INCH SLOPED, 36-INCH ,TYPE D MODIFIED	XXXX	SAWCUT ASPHALT
CG-30R4M	CONCRETE CURB AND GUTTER, 4-INCH SLOPED, 30-INCH, TYPE R MODIFIED	YYYY	SAWCUT CONCRETE
CMSN1	CONCRETE MEDIAN SLOPE NOSE, TYPE 1		
CMSN2	CONCRETE MEDIAN SLOPE NOSE, TYPE 2		

PROJECT NO: 6180-31-71	HWY: STH 21	COUNTY: WINNEBAGO	PAVING DETAILS - WESTHAVEN DR	SHEET 34 E

2

LEGEND: (1 OF 2)

AF	ASPHALTIC FLUME
AS	ASPHALTIC SURFACE, MATCH EXISTING DEPTH
ASDF	ASPHALTIC SURFACE, DRIVEWAYS AND FIELD ENTRANCES
CCP	CONCRETE CURB, PEDESTRIAN
CD-6	CONCRETE DRIVEWAY, 6-INCH
CG-18AM	CONCRETE CURB AND GUTTER, 18-INCH, TYPE A MODIFIED
CG-30A	CONCRETE CURB AND GUTTER 30-INCH TYPE A
CG-30D	CONCRETE CURB AND GUTTER, 30-INCH, TYPE D
CG-30DM	CONCRETE CURB AND GUTTER, 30-INCH, TYPE D MODIFIED
CG-36A	CONCRETE CURB AND GUTTER, 36-INCH, TYPE A
CG-36A6M	CONCRETE CURB AND GUTTER 6-INCH SLOPED 36-INCH TYPE A MODIFIED
CG-36D6M	CONCRETE CURB AND GUTTER, 6-INCH SLOPED, 36-INCH ,TYPE D MODIFIED
CG-36R4M	CONCRETE CURB AND GUTTER, 4-INCH SLOPED, 36-INCH, TYPE R MODIFIED
CMSN1	CONCRETE MEDIAN SLOPE NOSE, TYPE 1
CMSN2	CONCRETE MEDIAN SLOPE NOSE, TYPE 2
CP-9	CONCRETE PAVEMENT, 9-INCH
———	BUTT JOINT, SEE CONSTRUCTION DETAIL



LEGEND: (2 OF 2)

CPTA-12	CONCRETE ROUNDABOUT TRUCK APRON, 12-INCH
CPTA-8	CONCRETE ROUNDABOUT TRUCK APRON, 8-INCH
CS-4	CONCRETE SIDEWALK, 4-INCH
CS-5	CONCRETE SIDEWALK, 5-INCH
CS-6	CONCRETE SIDEWALK, 6-INCH
DWF-NP	CURB RAMP DETECTABLE WARNING FIELD, NATURAL PATINA
DWF-NPR	CURB RAMP DETECTABLE WARNING FIELD, NATURAL PATINA, RADIAL
G	GRASS
HMA-11.5	HMA PAVEMENT, 11-1/2 INCHES
HMA-2.5	HMA PAVEMENT, 2-1/2 INCHES (MILL & OVERLAY)
HMA-4.5	HMA PAVEMENT, 4-1/2 INCHES
HMA-9.75	HMA PAVEMENT, 9-3/4 INCHES
XXXX	SAWCUT ASPHALT
YYYY	SAWCUT CONCRETE

PROJECT NO: 6180-31-71	HWY: STH 21	COUNTY: WINNEBAGO	PAVING DETAILS - WESTHAVEN DR	SHEET 35 E

FILE NAME : N:\3001455.00\CIVIL 3D\SHEETS\61803171-021202-PD.DWG
LAYOUT NAME - 61803171-021242-pd
PLOT DATE : 9/18/2025 9:23 AM
PLOT BY : MATT TOMSOVIC
PLOT NAME :
PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 42

2

2

MATCH LINE STA 417+90

STH 21 WESTBOUND

HMA-2.5 OVERLAY

CG-36A6

818'WB' 819'WB' 820'WB'

773.10 772.83 772.78 772.56 772.30 772.03 771.76 771.51 771.26

CS-4

R4.5'

+06.41'WB'
4.50' RT

CMSN1

772.90 772.68 772.55 772.38 772.13 771.88 771.62 771.39 771.16

HMA-6.5

12'

CG-36D6M REVERSE PAN

CG-36D6M

772.72 772.40 772.14 771.89 771.64 771.38 771.17 770.92

AF

+49.05'EB'
15.70' LT

CS-4

+25.54'EB'
0.00' LT

773.14 772.84 772.54 772.25 771.96 771.66 771.44 771.21

418'EB' 419'EB' 420'EB'

CG-36A6

AF

HMA-2.5 OVERLAY

STH 21 EASTBOUND

BASE PATCHING CONCRETE

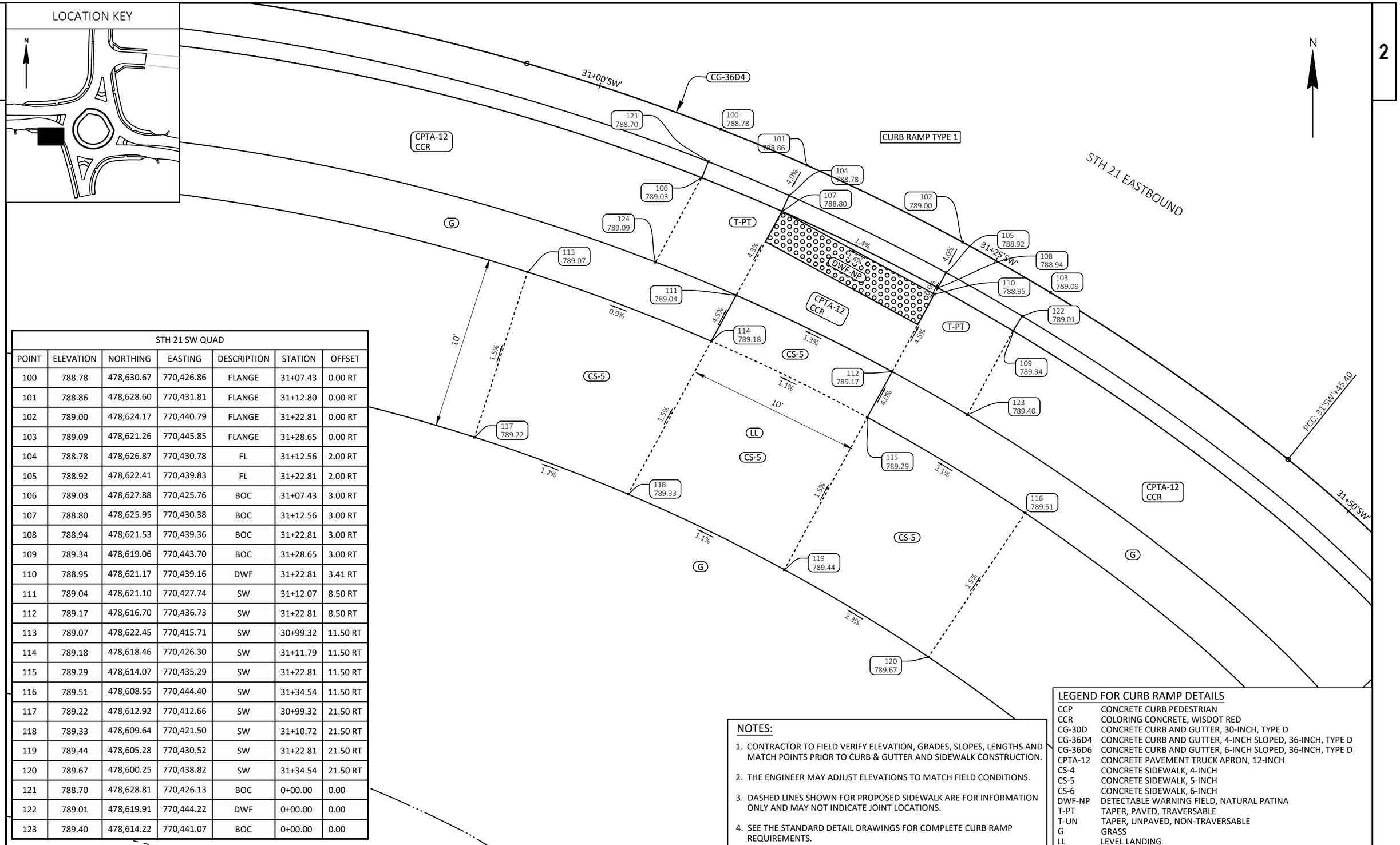
LEGEND:

AF	ASPHALTIC FLUME	CCR	COLORING CONCRETE, WISDOT RED
AS	ASPHALTIC SURFACE, MATCH EXISTING	CPTA-12	CONCRETE ROUNDABOUT TRUCK APRON, 12-INCH
ASDF	ASPHALTIC SURFACE, DRIVEWAYS AND FIELD ENTRANCES	CS-4	CONCRETE SIDEWALK, 4-INCH
CCP	CONCRETE CURB, PEDESTRIAN	CS-5	CONCRETE SIDEWALK, 5-INCH
CD-6	CONCRETE DRIVEWAY, 6-INCH	CS-6	CONCRETE SIDEWALK, 6-INCH
CG-18AM	CONCRETE CURB AND GUTTER, 18-INCH, TYPE A MODIFIED	DWF-NP	CURB RAMP DETECTABLE WARNING FIELD, NATURAL PATINA
CG-30A	CONCRETE CURB AND GUTTER 30-INCH TYPE A	DWF-NPR	CURB RAMP DETECTABLE WARNING FIELD, NATURAL PATINA, RADIAL
CG-30D	CONCRETE CURB AND GUTTER, 30-INCH, TYPE D	G	GRASS
CG-30DM	CONCRETE CURB AND GUTTER, 30-INCH, TYPE D MODIFIED	HMA-11.5	HMA PAVEMENT, 11-1/2 INCHES
CG-36A	CONCRETE CURB AND GUTTER, 36-INCH, TYPE A	HMA-2.5	HMA PAVEMENT, 2-1/2 INCHES (MILL & OVERLAY)
CG-36A6	CONCRETE CURB AND GUTTER 6-INCH SLOPED 36-INCH TYPE A	HMA-4.5	HMA PAVEMENT, 4-1/2 INCHES
CG-36D4M	CONCRETE CURB AND GUTTER, 4-INCH SLOPED, 36-INCH ,TYPE D MODIFIED	HMA-9.75	HMA PAVEMENT, 9-3/4 INCHES
CG-36D6M	CONCRETE CURB AND GUTTER, 6-INCH SLOPED, 36-INCH ,TYPE D MODIFIED	XXXX	SAWCUT ASPHALT
CG-30R4M	CONCRETE CURB AND GUTTER, 4-INCH SLOPED, 30-INCH, TYPE R MODIFIED	YYYY	SAWCUT CONCRETE
CMSN1	CONCRETE MEDIAN SLOPE NOSE, TYPE 1		
CMSN2	CONCRETE MEDIAN SLOPE NOSE, TYPE 2		

PROJECT NO: 6180-31-71	HWY: STH 21	COUNTY: WINNEBAGO	PAVING DETAILS - WESTHAVEN DR	SHEET 36	E

FILE NAME : N:\3001455.00\CIVIL 3D\SHEETS\61803171-021202-PD.DWG
LAYOUT NAME - 61803171-021243-pd
PLOT DATE : 9/18/2025 9:23 AM PLOT BY : MATT TOMSOVIC PLOT NAME : PLOT SCALE : 1 IN:20 FT
WISDOT/CADDS SHEET 42

LOCATION KEY



STH 21 SW QUAD						
POINT	ELEVATION	NORTHING	EASTING	DESCRIPTION	STATION	OFFSET
100	788.78	478,630.67	770,426.86	FLANGE	31+07.43	0.00 RT
101	788.86	478,628.60	770,431.81	FLANGE	31+12.80	0.00 RT
102	789.00	478,624.17	770,440.79	FLANGE	31+22.81	0.00 RT
103	789.09	478,621.26	770,445.85	FLANGE	31+28.65	0.00 RT
104	788.78	478,626.87	770,430.78	FL	31+12.56	2.00 RT
105	788.92	478,622.41	770,439.83	FL	31+22.81	2.00 RT
106	789.03	478,627.88	770,425.76	BOC	31+07.43	3.00 RT
107	788.80	478,625.95	770,430.38	BOC	31+12.56	3.00 RT
108	788.94	478,621.53	770,439.36	BOC	31+22.81	3.00 RT
109	789.34	478,619.06	770,443.70	BOC	31+28.65	3.00 RT
110	788.95	478,621.17	770,439.16	DWF	31+22.81	3.41 RT
111	789.04	478,621.10	770,427.74	SW	31+12.07	8.50 RT
112	789.17	478,616.70	770,436.73	SW	31+22.81	8.50 RT
113	789.07	478,622.45	770,415.71	SW	30+99.32	11.50 RT
114	789.18	478,618.46	770,426.30	SW	31+11.79	11.50 RT
115	789.29	478,614.07	770,435.29	SW	31+22.81	11.50 RT
116	789.51	478,608.55	770,444.40	SW	31+34.54	11.50 RT
117	789.22	478,612.92	770,412.66	SW	30+99.32	21.50 RT
118	789.33	478,609.64	770,421.50	SW	31+10.72	21.50 RT
119	789.44	478,605.28	770,430.52	SW	31+22.81	21.50 RT
120	789.67	478,600.25	770,438.82	SW	31+34.54	21.50 RT
121	788.70	478,628.81	770,426.13	BOC	0+00.00	0.00
122	789.01	478,619.91	770,444.22	DWF	0+00.00	0.00
123	789.40	478,614.22	770,441.07	BOC	0+00.00	0.00

NOTES:

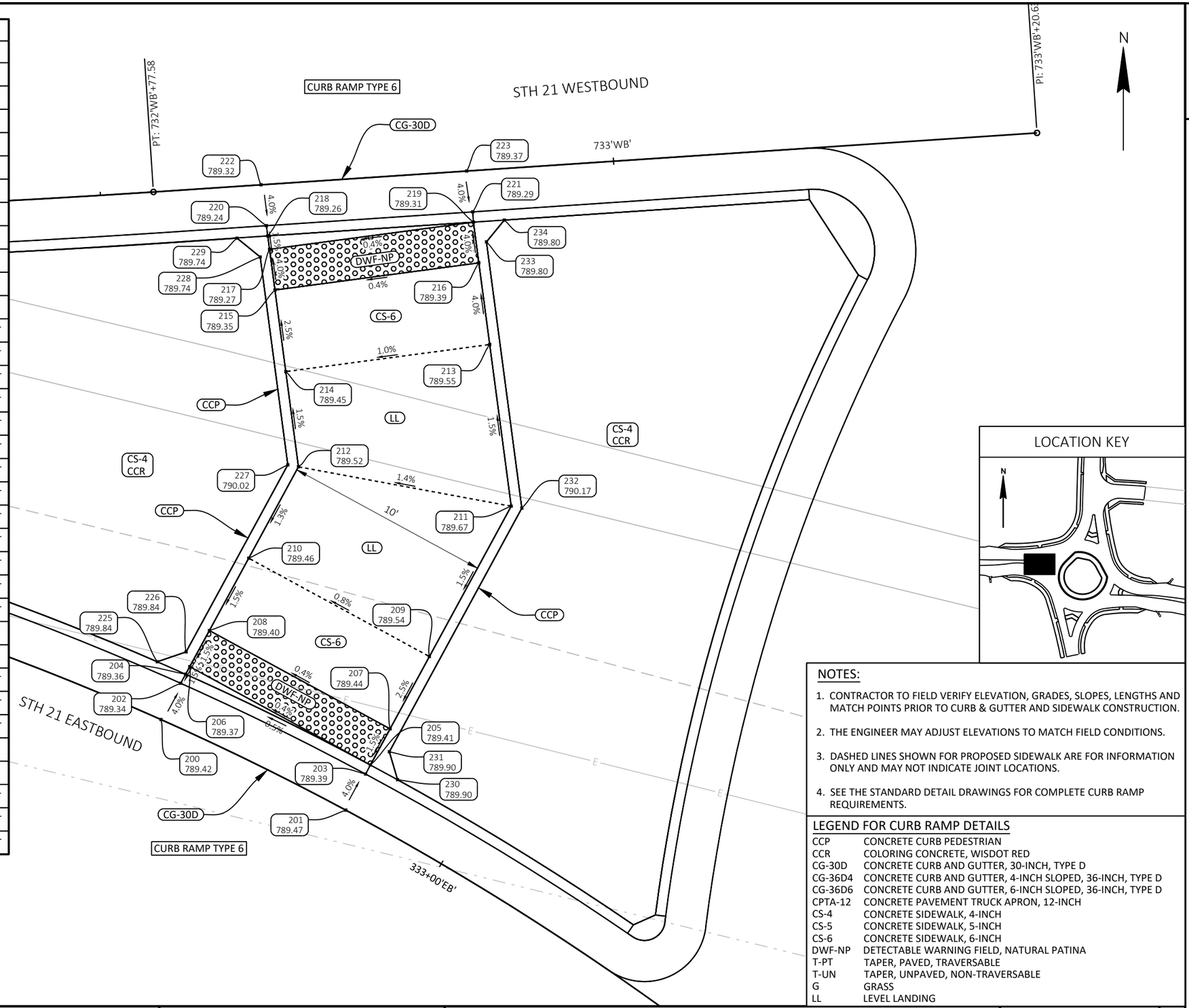
1. CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO CURB & GUTTER AND SIDEWALK CONSTRUCTION.
2. THE ENGINEER MAY ADJUST ELEVATIONS TO MATCH FIELD CONDITIONS.
3. DASHED LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATION ONLY AND MAY NOT INDICATE JOINT LOCATIONS.
4. SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS.

LEGEND FOR CURB RAMP DETAILS

CCP	CONCRETE CURB PEDESTRIAN
CCR	COLORING CONCRETE, WISDOT RED
CG-30D	CONCRETE CURB AND GUTTER, 30-INCH, TYPE D
CG-36D4	CONCRETE CURB AND GUTTER, 4-INCH SLOPED, 36-INCH, TYPE D
CG-36D6	CONCRETE CURB AND GUTTER, 6-INCH SLOPED, 36-INCH, TYPE D
CPTA-12	CONCRETE PAVEMENT TRUCK APRON, 12-INCH
CS-4	CONCRETE SIDEWALK, 4-INCH
CS-5	CONCRETE SIDEWALK, 5-INCH
CS-6	CONCRETE SIDEWALK, 6-INCH
DWF-NP	DETECTABLE WARNING FIELD, NATURAL PATINA
T-PT	TAPER, PAVED, TRAVERSABLE
T-UN	TAPER, UNPAVED, NON-TRAVERSABLE
G	GRASS
LL	LEVEL LANDING

PROJECT NO: 6180-31-71	HWY: STH 21	COUNTY: WINNEBAGO	CURB RAMP DETAILS - ROUNDABOUT WEST	SHEET 37	E

STH 21 W SPLITTER						
POINT	ELEVATION	NORTHING	EASTING	DESCRIPTION	STATION	OFFSET
200	789.42	478,654.91	770,446.13	FLANGE	332+84.67	0.00 RT
201	789.47	478,650.50	770,455.12	FLANGE	332+94.68	0.00 RT
202	789.34	478,656.67	770,447.09	FL	332+84.82	2.00 LT
203	789.39	478,652.26	770,456.07	FL	332+94.69	2.00 LT
204	789.36	478,657.11	770,447.33	BOC	332+84.86	2.50 LT
205	789.41	478,652.70	770,456.31	BOC	332+94.69	2.50 LT
206	789.37	478,657.48	770,447.53	DWF	332+84.89	2.92 LT
207	789.44	478,654.45	770,457.27	DWF	332+94.70	4.50 LT
208	789.40	478,659.23	770,448.48	DWF	332+85.04	4.91 LT
209	789.54	478,657.97	770,459.18	SW	332+94.73	8.50 LT
210	789.46	478,662.75	770,450.39	SW	332+85.33	8.90 LT
211	789.67	478,665.28	770,463.15	SW	332+94.77	16.82 LT
212	789.52	478,667.19	770,452.81	SW	332+85.67	13.94 LT
213	789.55	478,673.13	770,462.11	SW	332+90.80	23.31 LT
214	789.45	478,671.82	770,452.20	SW	332+83.48	17.92 LT
215	789.35	478,675.78	770,451.67	DWF	332+81.70	21.36 LT
216	789.39	478,677.10	770,461.58	DWF	332+88.92	26.64 LT
217	789.27	478,677.76	770,451.41	DWF	332+80.83	23.09 LT
218	789.26	478,678.41	770,451.32	BOC	332+80.55	23.66 LT
219	789.31	478,679.08	770,461.32	BOC	332+88.01	28.31 LT
220	789.24	478,678.91	770,451.25	FL	332+80.34	24.09 LT
221	789.29	478,679.58	770,461.28	FL	332+87.81	28.75 LT
222	789.32	478,680.90	770,450.99	FLANGE	332+79.50	25.84 LT
223	789.37	478,681.56	770,460.99	FLANGE	332+86.90	30.42 LT
225	789.84	478,657.72	770,445.95	PED	332+83.38	2.50 LT
226	789.84	478,658.19	770,447.35	PED	332+84.45	3.50 LT
227	790.02	478,667.29	770,452.29	PED	332+85.21	13.82 LT
228	789.74	478,677.39	770,450.95	PED	332+80.59	22.57 LT
229	789.74	478,678.30	770,449.82	PED	332+79.40	22.99 LT
230	789.90	478,651.98	770,457.63	PED	332+96.17	2.50 LT
231	789.90	478,653.34	770,457.23	PED	332+95.19	3.50 LT
232	790.17	478,665.18	770,463.67	PED	332+95.21	16.98 LT
233	789.80	478,678.12	770,461.95	PED	332+88.83	27.72 LT
234	789.80	478,679.18	770,462.82	PED	332+89.09	29.05 LT



NOTES:

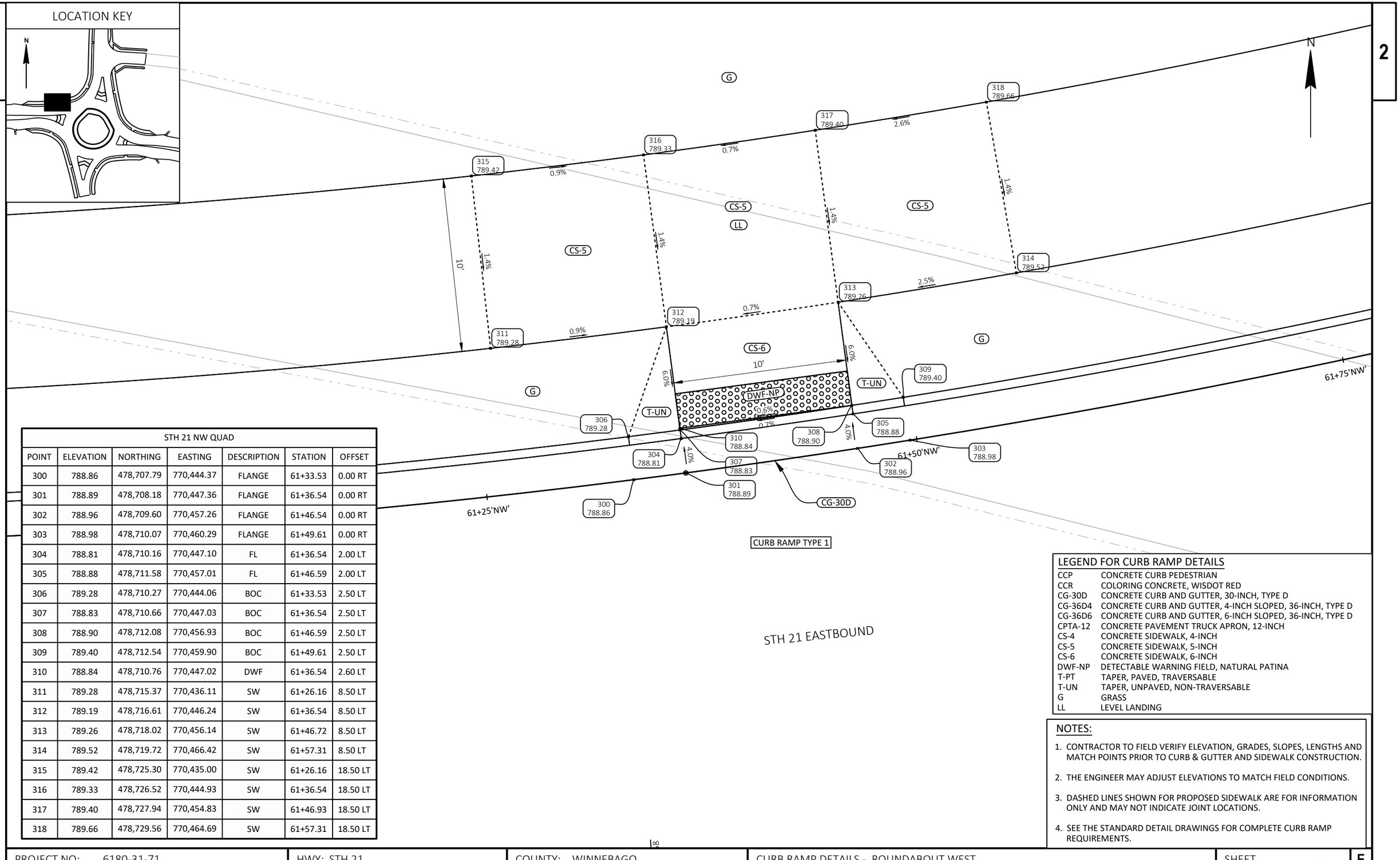
1. CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO CURB & GUTTER AND SIDEWALK CONSTRUCTION.
2. THE ENGINEER MAY ADJUST ELEVATIONS TO MATCH FIELD CONDITIONS.
3. DASHED LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATION ONLY AND MAY NOT INDICATE JOINT LOCATIONS.
4. SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS.

LEGEND FOR CURB RAMP DETAILS

CCP	CONCRETE CURB PEDESTRIAN
CCR	COLORING CONCRETE, WISDOT RED
CG-30D	CONCRETE CURB AND GUTTER, 30-INCH, TYPE D
CG-36D4	CONCRETE CURB AND GUTTER, 4-INCH SLOPED, 36-INCH, TYPE D
CG-36D6	CONCRETE CURB AND GUTTER, 6-INCH SLOPED, 36-INCH, TYPE D
CPTA-12	CONCRETE PAVEMENT TRUCK APRON, 12-INCH
CS-4	CONCRETE SIDEWALK, 4-INCH
CS-5	CONCRETE SIDEWALK, 5-INCH
CS-6	CONCRETE SIDEWALK, 6-INCH
DWF-NP	DETECTABLE WARNING FIELD, NATURAL PATINA
T-PT	TAPER, PAVED, TRAVERSABLE
T-UN	TAPER, UNPAVED, NON-TRAVERSABLE
G	GRASS
LL	LEVEL LANDING

PROJECT NO: 6180-31-71	HWY: STH 21	COUNTY: WINNEBAGO	CURB RAMP DETAILS - ROUNDABOUT WEST	SHEET 38	E

LOCATION KEY



STH 21 NW QUAD						
POINT	ELEVATION	NORTHING	EASTING	DESCRIPTION	STATION	OFFSET
300	788.86	478,707.79	770,444.37	FLANGE	61+33.53	0.00 RT
301	788.89	478,708.18	770,447.36	FLANGE	61+36.54	0.00 RT
302	788.96	478,709.60	770,457.26	FLANGE	61+46.54	0.00 RT
303	788.98	478,710.07	770,460.29	FLANGE	61+49.61	0.00 RT
304	788.81	478,710.16	770,447.10	FL	61+36.54	2.00 LT
305	788.88	478,711.58	770,457.01	FL	61+46.59	2.00 LT
306	789.28	478,710.27	770,444.06	BOC	61+33.53	2.50 LT
307	788.83	478,710.66	770,447.03	BOC	61+36.54	2.50 LT
308	788.90	478,712.08	770,456.93	BOC	61+46.59	2.50 LT
309	789.40	478,712.54	770,459.90	BOC	61+49.61	2.50 LT
310	788.84	478,710.76	770,447.02	DWF	61+36.54	2.60 LT
311	789.28	478,715.37	770,436.11	SW	61+26.16	8.50 LT
312	789.19	478,716.61	770,446.24	SW	61+36.54	8.50 LT
313	789.26	478,718.02	770,456.14	SW	61+46.72	8.50 LT
314	789.52	478,719.72	770,466.42	SW	61+57.31	8.50 LT
315	789.42	478,725.30	770,435.00	SW	61+26.16	18.50 LT
316	789.33	478,726.52	770,444.93	SW	61+36.54	18.50 LT
317	789.40	478,727.94	770,454.83	SW	61+46.93	18.50 LT
318	789.66	478,729.56	770,464.69	SW	61+57.31	18.50 LT

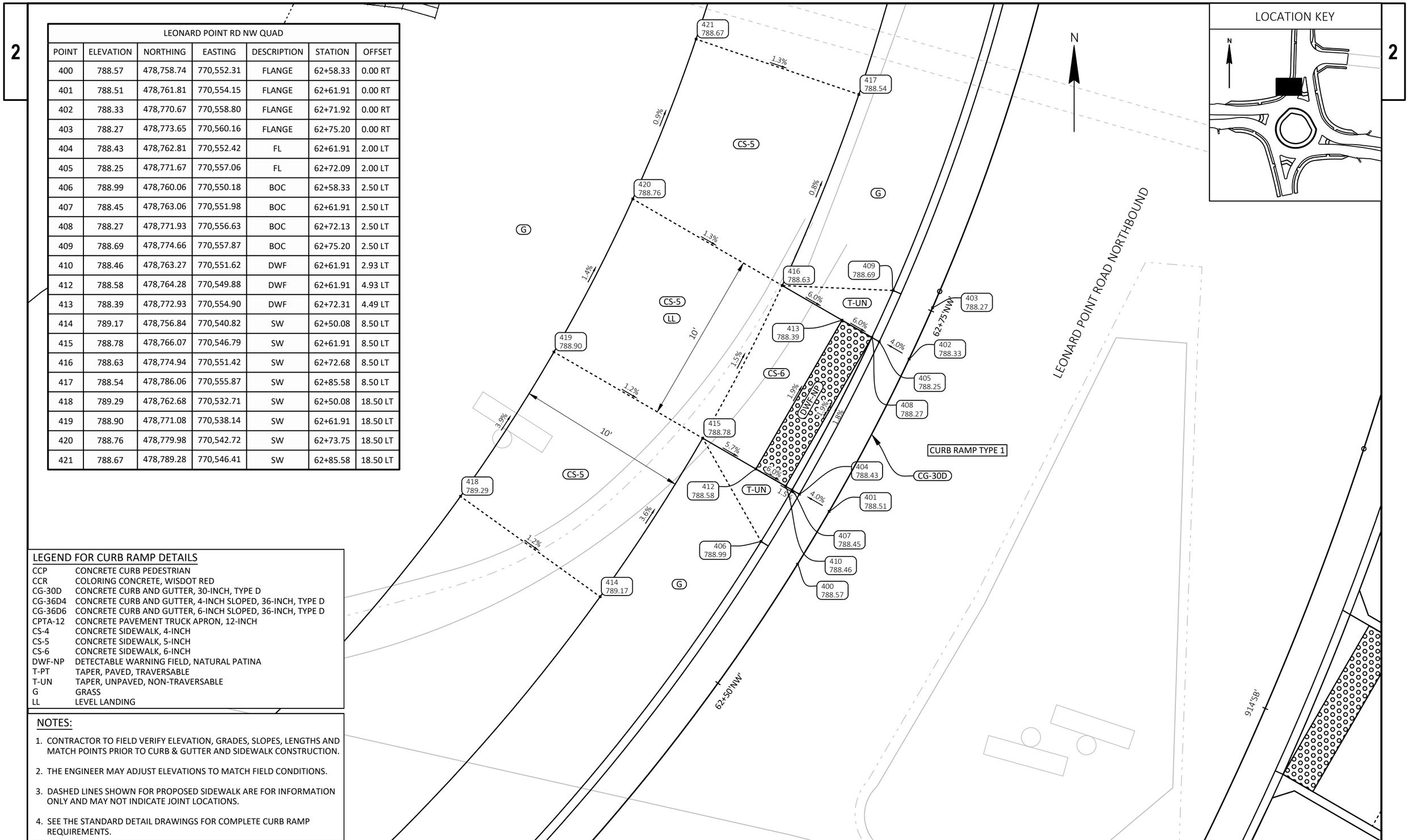
LEGEND FOR CURB RAMP DETAILS

CCP	CONCRETE CURB PEDESTRIAN
CCR	COLORING CONCRETE, WISDOT RED
CG-30D	CONCRETE CURB AND GUTTER, 30-INCH, TYPE D
CG-36D4	CONCRETE CURB AND GUTTER, 4-INCH SLOPED, 36-INCH, TYPE D
CG-36D6	CONCRETE CURB AND GUTTER, 6-INCH SLOPED, 36-INCH, TYPE D
CPTA-12	CONCRETE PAVEMENT TRUCK APRON, 12-INCH
CS-4	CONCRETE SIDEWALK, 4-INCH
CS-5	CONCRETE SIDEWALK, 5-INCH
CS-6	CONCRETE SIDEWALK, 6-INCH
DWF-NP	DETECTABLE WARNING FIELD, NATURAL PATINA
T-PT	TAPER, PAVED, TRAVERSABLE
T-UN	TAPER, UNPAVED, NON-TRAVERSABLE
G	GRASS
LL	LEVEL LANDING

NOTES:

1. CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO CURB & GUTTER AND SIDEWALK CONSTRUCTION.
2. THE ENGINEER MAY ADJUST ELEVATIONS TO MATCH FIELD CONDITIONS.
3. DASHED LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATION ONLY AND MAY NOT INDICATE JOINT LOCATIONS.
4. SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS.

LEONARD POINT RD NW QUAD						
POINT	ELEVATION	NORTHING	EASTING	DESCRIPTION	STATION	OFFSET
400	788.57	478,758.74	770,552.31	FLANGE	62+58.33	0.00 RT
401	788.51	478,761.81	770,554.15	FLANGE	62+61.91	0.00 RT
402	788.33	478,770.67	770,558.80	FLANGE	62+71.92	0.00 RT
403	788.27	478,773.65	770,560.16	FLANGE	62+75.20	0.00 RT
404	788.43	478,762.81	770,552.42	FL	62+61.91	2.00 LT
405	788.25	478,771.67	770,557.06	FL	62+72.09	2.00 LT
406	788.99	478,760.06	770,550.18	BOC	62+58.33	2.50 LT
407	788.45	478,763.06	770,551.98	BOC	62+61.91	2.50 LT
408	788.27	478,771.93	770,556.63	BOC	62+72.13	2.50 LT
409	788.69	478,774.66	770,557.87	BOC	62+75.20	2.50 LT
410	788.46	478,763.27	770,551.62	DWF	62+61.91	2.93 LT
412	788.58	478,764.28	770,549.88	DWF	62+61.91	4.93 LT
413	788.39	478,772.93	770,554.90	DWF	62+72.31	4.49 LT
414	789.17	478,756.84	770,540.82	SW	62+50.08	8.50 LT
415	788.78	478,766.07	770,546.79	SW	62+61.91	8.50 LT
416	788.63	478,774.94	770,551.42	SW	62+72.68	8.50 LT
417	788.54	478,786.06	770,555.87	SW	62+85.58	8.50 LT
418	789.29	478,762.68	770,532.71	SW	62+50.08	18.50 LT
419	788.90	478,771.08	770,538.14	SW	62+61.91	18.50 LT
420	788.76	478,779.98	770,542.72	SW	62+73.75	18.50 LT
421	788.67	478,789.28	770,546.41	SW	62+85.58	18.50 LT



LEGEND FOR CURB RAMP DETAILS

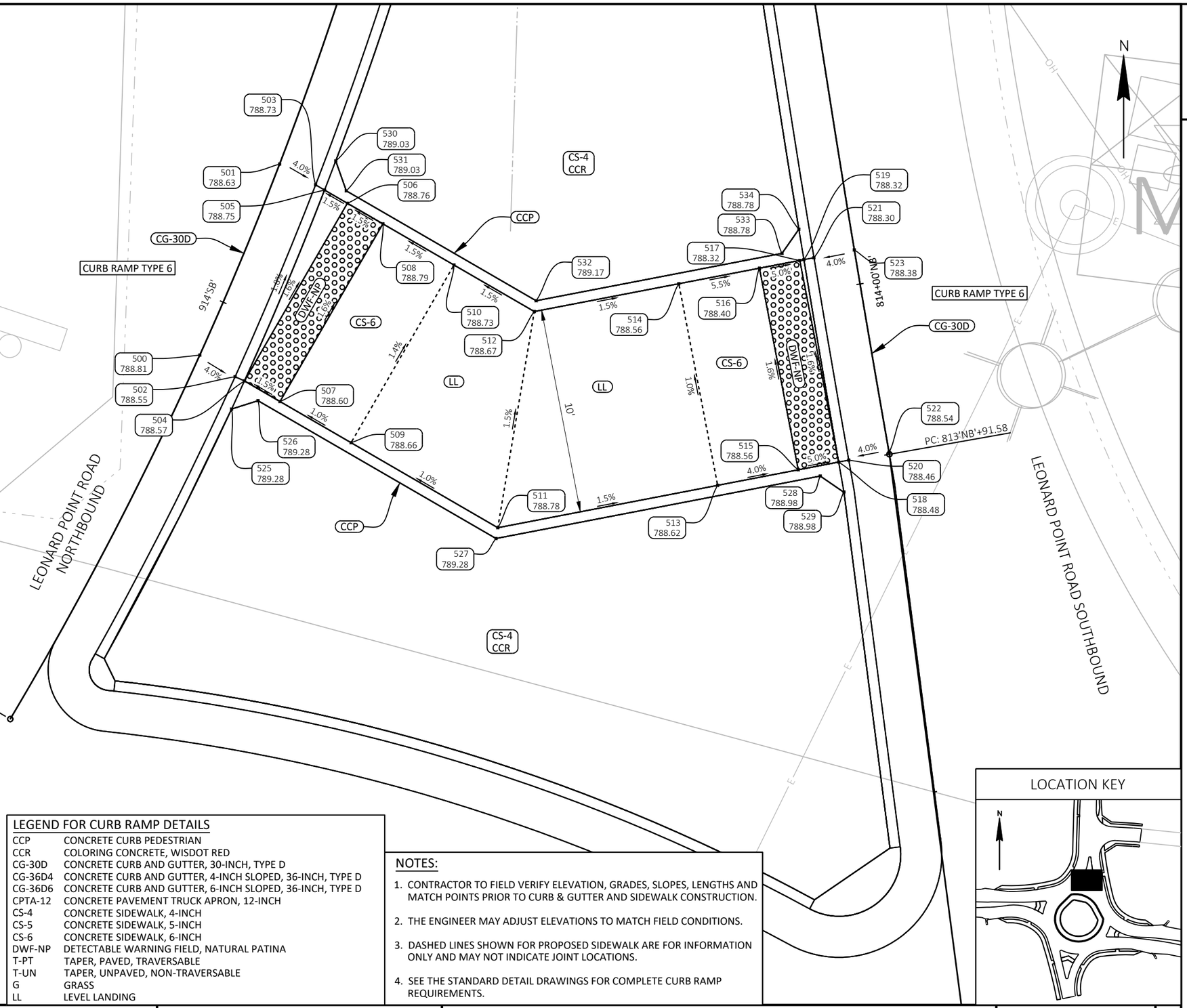
CCP	CONCRETE CURB PEDESTRIAN
CCR	COLORING CONCRETE, WISDOT RED
CG-30D	CONCRETE CURB AND GUTTER, 30-INCH, TYPE D
CG-36D4	CONCRETE CURB AND GUTTER, 4-INCH SLOPED, 36-INCH, TYPE D
CG-36D6	CONCRETE CURB AND GUTTER, 6-INCH SLOPED, 36-INCH, TYPE D
CPTA-12	CONCRETE PAVEMENT TRUCK APRON, 12-INCH
CS-4	CONCRETE SIDEWALK, 4-INCH
CS-5	CONCRETE SIDEWALK, 5-INCH
CS-6	CONCRETE SIDEWALK, 6-INCH
DWF-NP	DETECTABLE WARNING FIELD, NATURAL PATINA
T-PT	TAPER, PAVED, TRAVERSABLE
T-UN	TAPER, UNPAVED, NON-TRAVERSABLE
G	GRASS
LL	LEVEL LANDING

NOTES:

1. CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO CURB & GUTTER AND SIDEWALK CONSTRUCTION.
2. THE ENGINEER MAY ADJUST ELEVATIONS TO MATCH FIELD CONDITIONS.
3. DASHED LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATION ONLY AND MAY NOT INDICATE JOINT LOCATIONS.
4. SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS.

PROJECT NO: 6180-31-71	HWY: STH 21	COUNTY: WINNEBAGO	CURB RAMP DETAILS - LEONARD POINT ROAD NORTH	SHEET 40	E

LEONARD POINT RD N SPLITTER						
POINT	ELEVATION	NORTHING	EASTING	DESCRIPTION	STATION	OFFSET
500	788.81	478,747.77	770,578.38	FLANGE	814+01.85	32.28 LT
501	788.63	478,757.08	770,582.26	FLANGE	814+10.16	26.96 LT
502	788.55	478,746.72	770,580.09	FL	814+00.57	30.76 LT
503	788.73	478,756.06	770,584.02	FL	814+08.92	25.39 LT
504	788.57	478,746.51	770,580.55	BOC	814+00.30	30.34 LT
505	788.75	478,755.81	770,584.45	BOC	814+08.61	25.00 LT
506	788.76	478,755.16	770,585.56	DWF	814+07.82	24.00 LT
507	788.60	478,745.51	770,582.28	DWF	813+99.06	28.80 LT
508	788.79	478,754.16	770,587.29	DWF	814+06.58	22.45 LT
509	788.66	478,743.50	770,585.74	SW	813+96.58	25.73 LT
510	788.73	478,752.16	770,590.75	SW	814+04.10	19.35 LT
511	788.78	478,739.36	770,592.89	SW	813+90.51	19.37 LT
512	788.67	478,749.89	770,594.67	SW	814+01.28	15.86 LT
513	788.62	478,741.43	770,603.59	SW	813+91.17	8.49 LT
514	788.56	478,751.25	770,601.70	SW	814+01.46	8.70 LT
515	788.56	478,742.18	770,607.52	DWF	813+91.41	4.50 LT
516	788.40	478,752.00	770,605.63	DWF	814+01.56	4.70 LT
517	788.32	478,752.38	770,607.60	DWF	814+01.61	2.70 LT
518	788.48	478,742.56	770,609.49	BOC	813+91.64	2.50 LT
519	788.32	478,752.42	770,607.79	BOC	814+01.62	2.50 LT
520	788.46	478,742.66	770,609.98	FL	813+91.65	2.00 LT
521	788.30	478,752.51	770,608.29	FL	814+01.63	2.00 LT
522	788.54	478,743.03	770,611.94	FLANGE	813+91.68	0.00 RT
523	788.38	478,752.89	770,610.25	FLANGE	814+01.68	0.00 RT
525	789.28	478,745.14	770,579.92	PED	813+99.09	31.19 LT
526	789.28	478,745.55	770,581.21	PED	813+99.28	29.85 LT
527	789.28	478,738.84	770,592.80	PED	813+90.00	19.53 LT
528	788.98	478,741.88	770,608.59	PED	813+90.97	3.48 LT
529	788.98	478,741.10	770,609.75	PED	813+90.05	2.43 LT
530	789.03	478,757.23	770,585.00	PED	814+09.89	24.24 LT
531	789.03	478,755.77	770,585.51	PED	814+08.41	23.96 LT
532	789.17	478,750.42	770,594.76	PED	814+01.78	15.69 LT
533	788.78	478,752.72	770,606.73	PED	814+02.09	3.50 LT
534	788.78	478,753.90	770,607.55	PED	814+03.12	2.50 LT



LEGEND FOR CURB RAMP DETAILS

CCP	CONCRETE CURB PEDESTRIAN
CCR	COLORING CONCRETE, WISDOT RED
CG-30D	CONCRETE CURB AND GUTTER, 30-INCH, TYPE D
CG-36D4	CONCRETE CURB AND GUTTER, 4-INCH SLOPED, 36-INCH, TYPE D
CG-36D6	CONCRETE CURB AND GUTTER, 6-INCH SLOPED, 36-INCH, TYPE D
CPTA-12	CONCRETE PAVEMENT TRUCK APRON, 12-INCH
CS-4	CONCRETE SIDEWALK, 4-INCH
CS-5	CONCRETE SIDEWALK, 5-INCH
CS-6	CONCRETE SIDEWALK, 6-INCH
DWF-NP	DETECTABLE WARNING FIELD, NATURAL PATINA
T-PT	TAPER, PAVED, TRAVERSABLE
T-UN	TAPER, UNPAVED, NON-TRAVERSABLE
G	GRASS
LL	LEVEL LANDING

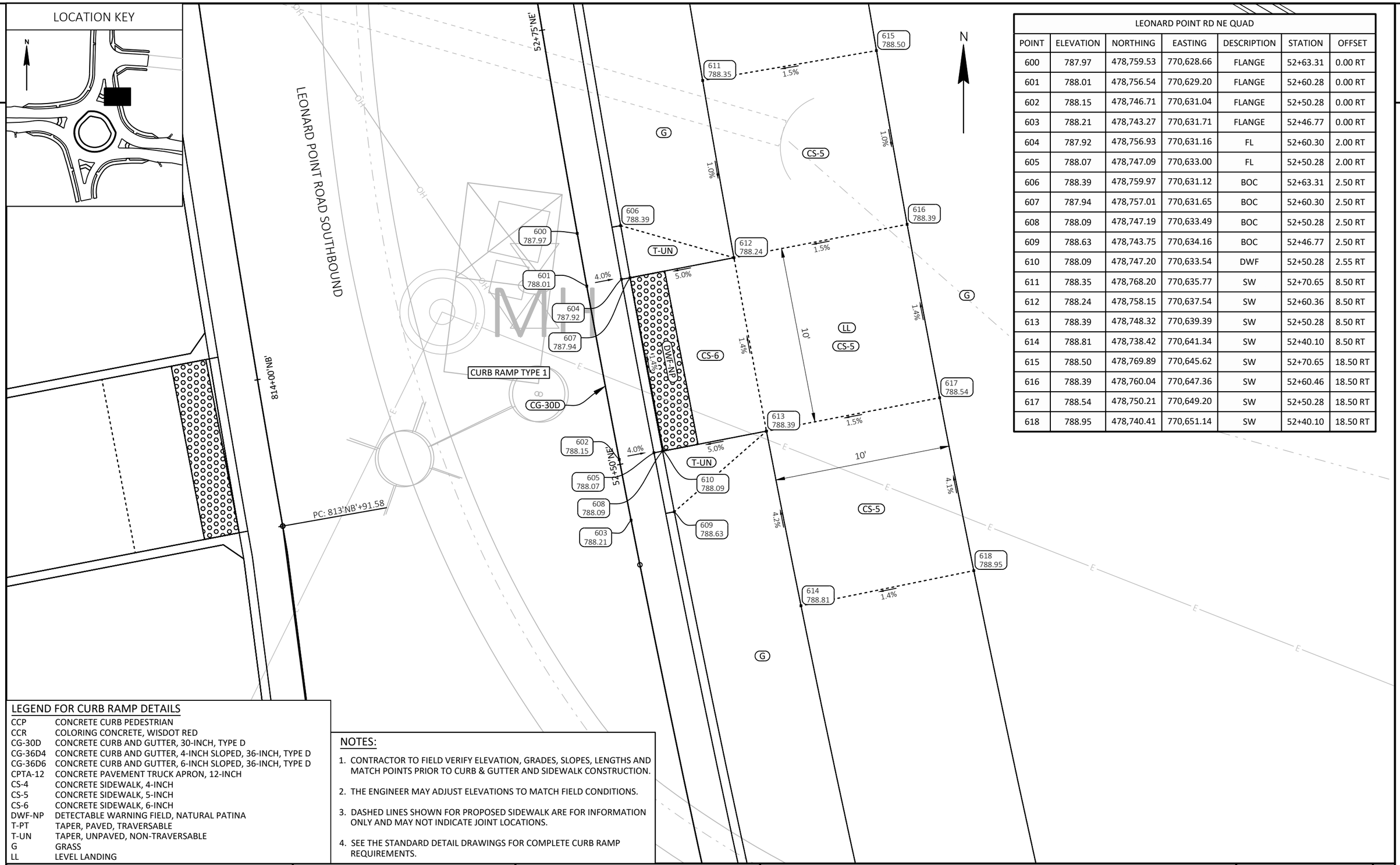
NOTES:

1. CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO CURB & GUTTER AND SIDEWALK CONSTRUCTION.
2. THE ENGINEER MAY ADJUST ELEVATIONS TO MATCH FIELD CONDITIONS.
3. DASHED LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATION ONLY AND MAY NOT INDICATE JOINT LOCATIONS.
4. SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS.

LOCATION KEY

PROJECT NO: 6180-31-71	HWY: STH 21	COUNTY: WINNEBAGO	CURB RAMP DETAILS - LEONARD POINT ROAD NORTH	SHEET 41	E

LOCATION KEY



LEONARD POINT RD NE QUAD						
POINT	ELEVATION	NORTHING	EASTING	DESCRIPTION	STATION	OFFSET
600	787.97	478,759.53	770,628.66	FLANGE	52+63.31	0.00 RT
601	788.01	478,756.54	770,629.20	FLANGE	52+60.28	0.00 RT
602	788.15	478,746.71	770,631.04	FLANGE	52+50.28	0.00 RT
603	788.21	478,743.27	770,631.71	FLANGE	52+46.77	0.00 RT
604	787.92	478,756.93	770,631.16	FL	52+60.30	2.00 RT
605	788.07	478,747.09	770,633.00	FL	52+50.28	2.00 RT
606	788.39	478,759.97	770,631.12	BOC	52+63.31	2.50 RT
607	787.94	478,757.01	770,631.65	BOC	52+60.30	2.50 RT
608	788.09	478,747.19	770,633.49	BOC	52+50.28	2.50 RT
609	788.63	478,743.75	770,634.16	BOC	52+46.77	2.50 RT
610	788.09	478,747.20	770,633.54	DWF	52+50.28	2.55 RT
611	788.35	478,768.20	770,635.77	SW	52+70.65	8.50 RT
612	788.24	478,758.15	770,637.54	SW	52+60.36	8.50 RT
613	788.39	478,748.32	770,639.39	SW	52+50.28	8.50 RT
614	788.81	478,738.42	770,641.34	SW	52+40.10	8.50 RT
615	788.50	478,769.89	770,645.62	SW	52+70.65	18.50 RT
616	788.39	478,760.04	770,647.36	SW	52+60.46	18.50 RT
617	788.54	478,750.21	770,649.20	SW	52+50.28	18.50 RT
618	788.95	478,740.41	770,651.14	SW	52+40.10	18.50 RT

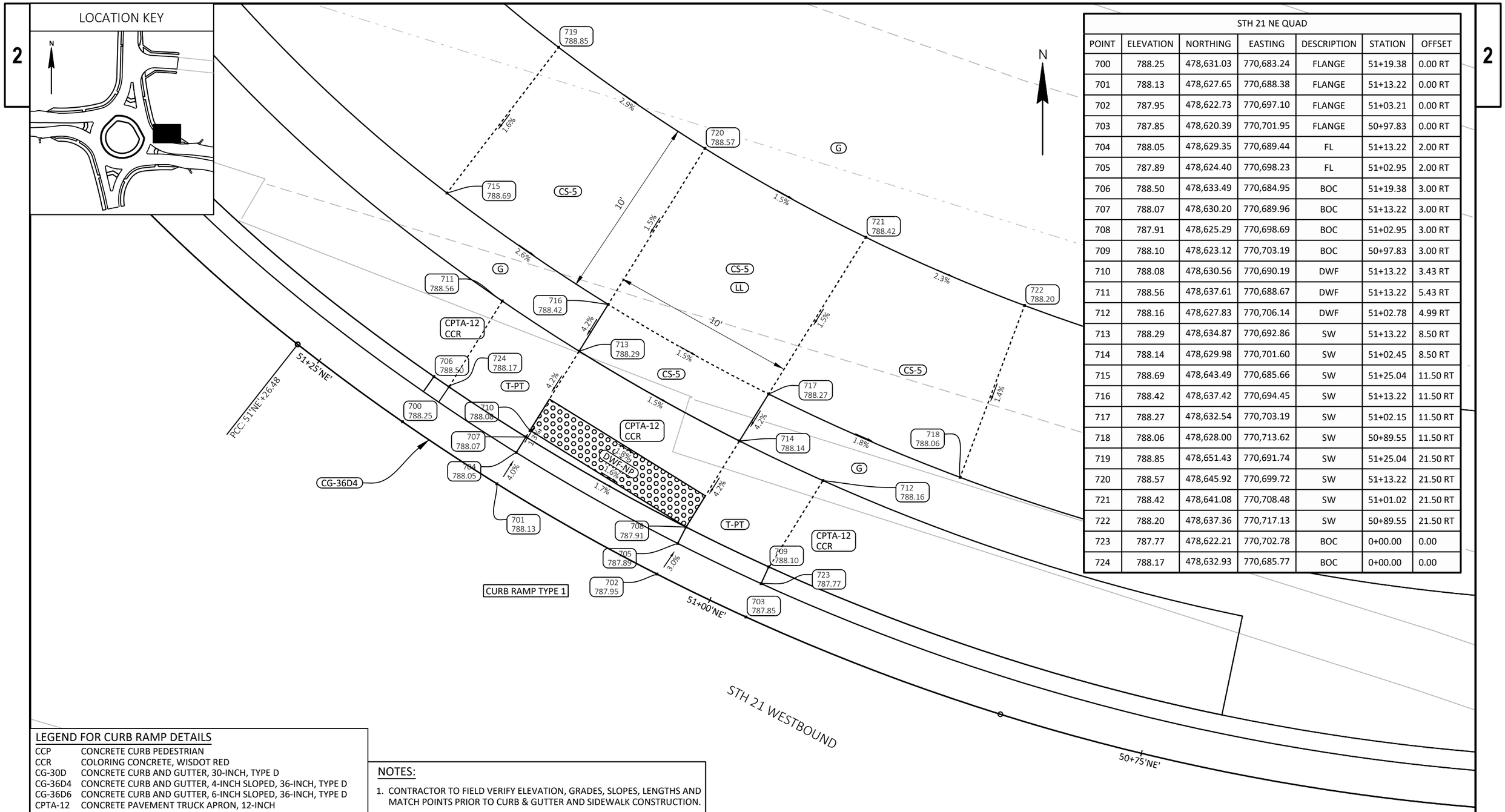
LEGEND FOR CURB RAMP DETAILS

CCP	CONCRETE CURB PEDESTRIAN
CCR	COLORING CONCRETE, WISDOT RED
CG-30D	CONCRETE CURB AND GUTTER, 30-INCH, TYPE D
CG-36D4	CONCRETE CURB AND GUTTER, 4-INCH SLOPED, 36-INCH, TYPE D
CG-36D6	CONCRETE CURB AND GUTTER, 6-INCH SLOPED, 36-INCH, TYPE D
CPTA-12	CONCRETE PAVEMENT TRUCK APRON, 12-INCH
CS-4	CONCRETE SIDEWALK, 4-INCH
CS-5	CONCRETE SIDEWALK, 5-INCH
CS-6	CONCRETE SIDEWALK, 6-INCH
DWF-NP	DETECTABLE WARNING FIELD, NATURAL PATINA
T-PT	TAPER, PAVED, TRAVERSABLE
T-UN	TAPER, UNPAVED, NON-TRAVERSABLE
G	GRASS
LL	LEVEL LANDING

NOTES:

1. CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO CURB & GUTTER AND SIDEWALK CONSTRUCTION.
2. THE ENGINEER MAY ADJUST ELEVATIONS TO MATCH FIELD CONDITIONS.
3. DASHED LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATION ONLY AND MAY NOT INDICATE JOINT LOCATIONS.
4. SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS.

PROJECT NO: 6180-31-71	HWY: STH 21	COUNTY: WINNEBAGO	CURB RAMP DETAILS - LEONARD POINT ROAD NORTH	SHEET 42	E



STH 21 NE QUAD						
POINT	ELEVATION	NORTHING	EASTING	DESCRIPTION	STATION	OFFSET
700	788.25	478,631.03	770,683.24	FLANGE	51+19.38	0.00 RT
701	788.13	478,627.65	770,688.38	FLANGE	51+13.22	0.00 RT
702	787.95	478,622.73	770,697.10	FLANGE	51+03.21	0.00 RT
703	787.85	478,620.39	770,701.95	FLANGE	50+97.83	0.00 RT
704	788.05	478,629.35	770,689.44	FL	51+13.22	2.00 RT
705	787.89	478,624.40	770,698.23	FL	51+02.95	2.00 RT
706	788.50	478,633.49	770,684.95	BOC	51+19.38	3.00 RT
707	788.07	478,630.20	770,689.96	BOC	51+13.22	3.00 RT
708	787.91	478,625.29	770,698.69	BOC	51+02.95	3.00 RT
709	788.10	478,623.12	770,703.19	BOC	50+97.83	3.00 RT
710	788.08	478,630.56	770,690.19	DWF	51+13.22	3.43 RT
711	788.56	478,637.61	770,688.67	DWF	51+13.22	5.43 RT
712	788.16	478,627.83	770,706.14	DWF	51+02.78	4.99 RT
713	788.29	478,634.87	770,692.86	SW	51+13.22	8.50 RT
714	788.14	478,629.98	770,701.60	SW	51+02.45	8.50 RT
715	788.69	478,643.49	770,685.66	SW	51+25.04	11.50 RT
716	788.42	478,637.42	770,694.45	SW	51+13.22	11.50 RT
717	788.27	478,632.54	770,703.19	SW	51+02.15	11.50 RT
718	788.06	478,628.00	770,713.62	SW	50+89.55	11.50 RT
719	788.85	478,651.43	770,691.74	SW	51+25.04	21.50 RT
720	788.57	478,645.92	770,699.72	SW	51+13.22	21.50 RT
721	788.42	478,641.08	770,708.48	SW	51+01.02	21.50 RT
722	788.20	478,637.36	770,717.13	SW	50+89.55	21.50 RT
723	787.77	478,622.21	770,702.78	BOC	0+00.00	0.00
724	788.17	478,632.93	770,685.77	BOC	0+00.00	0.00

LEGEND FOR CURB RAMP DETAILS

CCP	CONCRETE CURB PEDESTRIAN
CCR	COLORING CONCRETE, WISDOT RED
CG-30D	CONCRETE CURB AND GUTTER, 30-INCH, TYPE D
CG-36D4	CONCRETE CURB AND GUTTER, 4-INCH SLOPED, 36-INCH, TYPE D
CG-36D6	CONCRETE CURB AND GUTTER, 6-INCH SLOPED, 36-INCH, TYPE D
CPTA-12	CONCRETE PAVEMENT TRUCK APRON, 12-INCH
CS-4	CONCRETE SIDEWALK, 4-INCH
CS-5	CONCRETE SIDEWALK, 5-INCH
CS-6	CONCRETE SIDEWALK, 6-INCH
DWF-NP	DETECTABLE WARNING FIELD, NATURAL PATINA
T-PT	TAPER, PAVED, TRAVERSABLE
T-UN	TAPER, UNPAVED, NON-TRAVERSABLE
G	GRASS
LL	LEVEL LANDING

NOTES:

1. CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO CURB & GUTTER AND SIDEWALK CONSTRUCTION.
2. THE ENGINEER MAY ADJUST ELEVATIONS TO MATCH FIELD CONDITIONS.
3. DASHED LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATION ONLY AND MAY NOT INDICATE JOINT LOCATIONS.
4. SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS.

PROJECT NO: 6180-31-71	HWY: STH 21	COUNTY: WINNEBAGO	CURB RAMP DETAILS - ROUNDABOUT EAST	SHEET 43	E

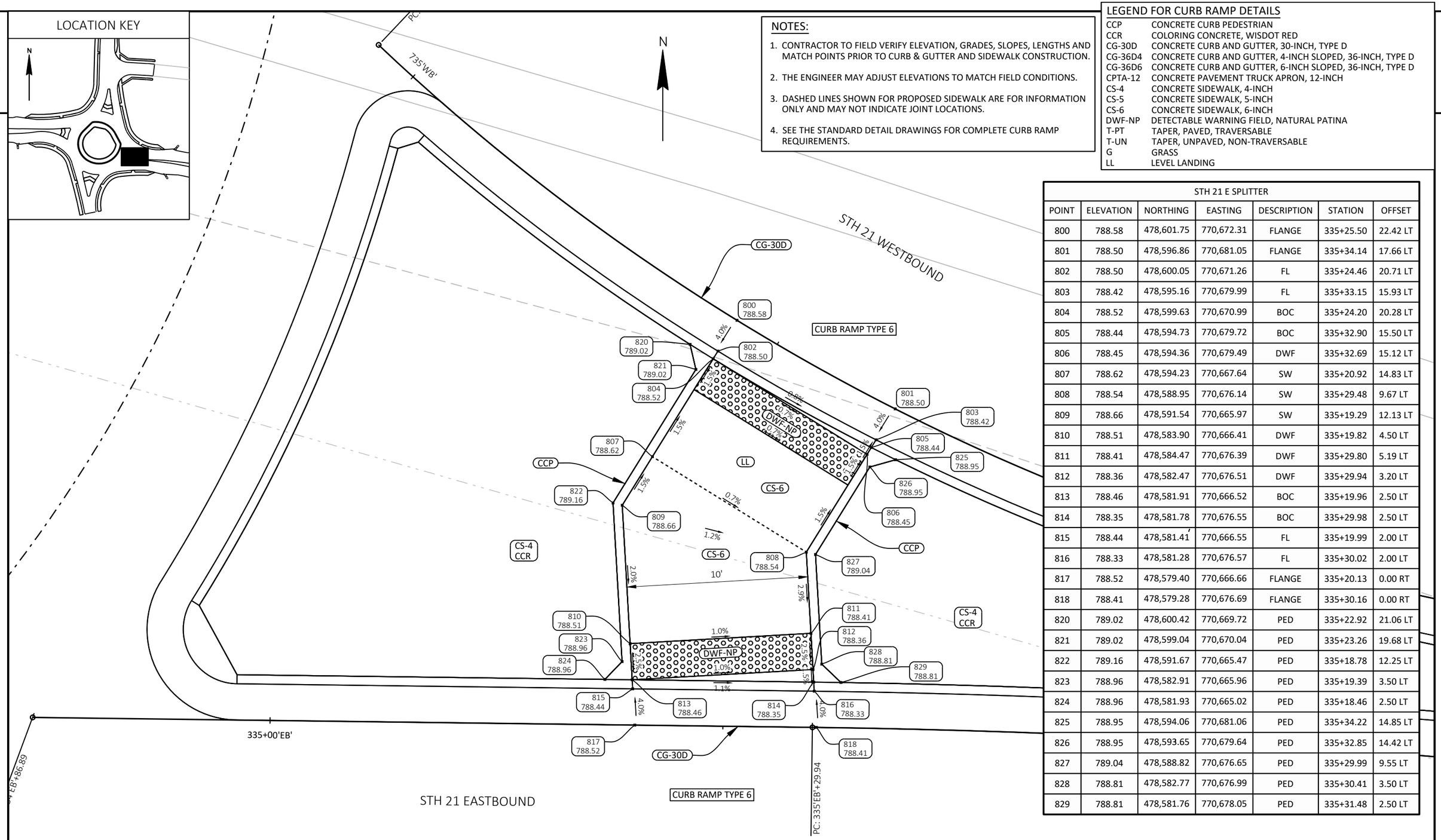
LOCATION KEY

NOTES:

1. CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO CURB & GUTTER AND SIDEWALK CONSTRUCTION.
2. THE ENGINEER MAY ADJUST ELEVATIONS TO MATCH FIELD CONDITIONS.
3. DASHED LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATION ONLY AND MAY NOT INDICATE JOINT LOCATIONS.
4. SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS.

LEGEND FOR CURB RAMP DETAILS

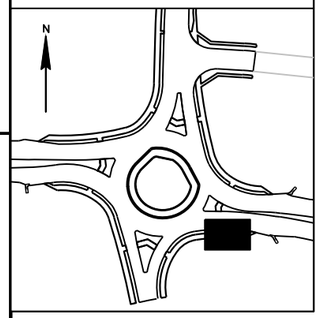
CCP	CONCRETE CURB PEDESTRIAN
CCR	COLORING CONCRETE, WISDOT RED
CG-30D	CONCRETE CURB AND GUTTER, 30-INCH, TYPE D
CG-36D4	CONCRETE CURB AND GUTTER, 4-INCH SLOPED, 36-INCH, TYPE D
CG-36D6	CONCRETE CURB AND GUTTER, 6-INCH SLOPED, 36-INCH, TYPE D
CPTA-12	CONCRETE PAVEMENT TRUCK APRON, 12-INCH
CS-4	CONCRETE SIDEWALK, 4-INCH
CS-5	CONCRETE SIDEWALK, 5-INCH
CS-6	CONCRETE SIDEWALK, 6-INCH
DWF-NP	DETECTABLE WARNING FIELD, NATURAL PATINA
T-PT	TAPER, PAVED, TRAVERSABLE
T-UN	TAPER, UNPAVED, NON-TRAVERSABLE
G	GRASS
LL	LEVEL LANDING



STH 21 E SPLITTER						
POINT	ELEVATION	NORTHING	EASTING	DESCRIPTION	STATION	OFFSET
800	788.58	478,601.75	770,672.31	FLANGE	335+25.50	22.42 LT
801	788.50	478,596.86	770,681.05	FLANGE	335+34.14	17.66 LT
802	788.50	478,600.05	770,671.26	FL	335+24.46	20.71 LT
803	788.42	478,595.16	770,679.99	FL	335+33.15	15.93 LT
804	788.52	478,599.63	770,670.99	BOC	335+24.20	20.28 LT
805	788.44	478,594.73	770,679.72	BOC	335+32.90	15.50 LT
806	788.45	478,594.36	770,679.49	DWF	335+32.69	15.12 LT
807	788.62	478,594.23	770,667.64	SW	335+20.92	14.83 LT
808	788.54	478,588.95	770,676.14	SW	335+29.48	9.67 LT
809	788.66	478,591.54	770,665.97	SW	335+19.29	12.13 LT
810	788.51	478,583.90	770,666.41	DWF	335+19.82	4.50 LT
811	788.41	478,584.47	770,676.39	DWF	335+29.80	5.19 LT
812	788.36	478,582.47	770,676.51	DWF	335+29.94	3.20 LT
813	788.46	478,581.91	770,666.52	BOC	335+19.96	2.50 LT
814	788.35	478,581.78	770,676.55	BOC	335+29.98	2.50 LT
815	788.44	478,581.41	770,666.55	FL	335+19.99	2.00 LT
816	788.33	478,581.28	770,676.57	FL	335+30.02	2.00 LT
817	788.52	478,579.40	770,666.66	FLANGE	335+20.13	0.00 RT
818	788.41	478,579.28	770,676.69	FLANGE	335+30.16	0.00 RT
820	789.02	478,600.42	770,669.72	PED	335+22.92	21.06 LT
821	789.02	478,599.04	770,670.04	PED	335+23.26	19.68 LT
822	789.16	478,591.67	770,665.47	PED	335+18.78	12.25 LT
823	788.96	478,582.91	770,665.96	PED	335+19.39	3.50 LT
824	788.96	478,581.93	770,665.02	PED	335+18.46	2.50 LT
825	788.95	478,594.06	770,681.06	PED	335+34.22	14.85 LT
826	788.95	478,593.65	770,679.64	PED	335+32.85	14.42 LT
827	789.04	478,588.82	770,676.65	PED	335+29.99	9.55 LT
828	788.81	478,582.77	770,676.99	PED	335+30.41	3.50 LT
829	788.81	478,581.76	770,678.05	PED	335+31.48	2.50 LT

2

LOCATION KEY

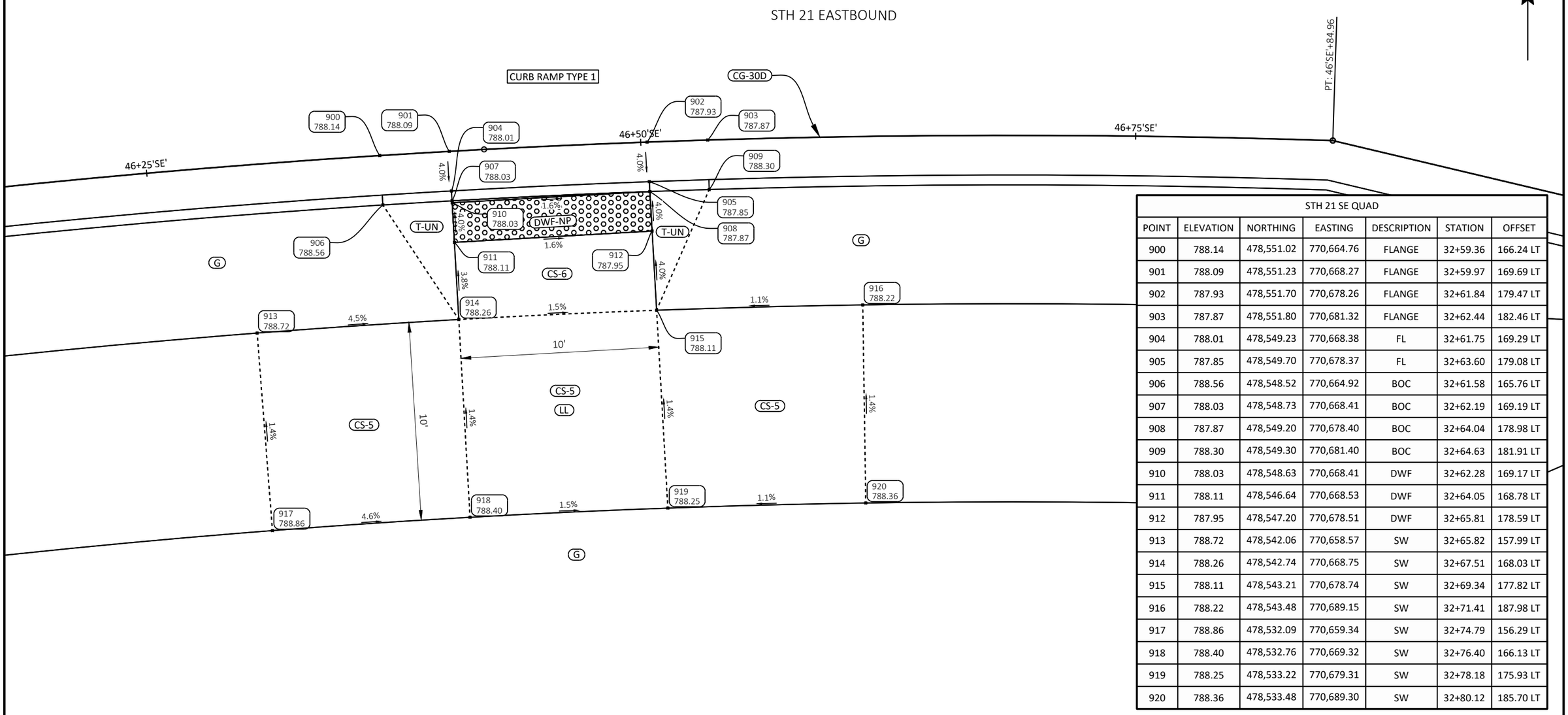


NOTES:

1. CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO CURB & GUTTER AND SIDEWALK CONSTRUCTION.
2. THE ENGINEER MAY ADJUST ELEVATIONS TO MATCH FIELD CONDITIONS.
3. DASHED LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATION ONLY AND MAY NOT INDICATE JOINT LOCATIONS.
4. SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS.

LEGEND FOR CURB RAMP DETAILS

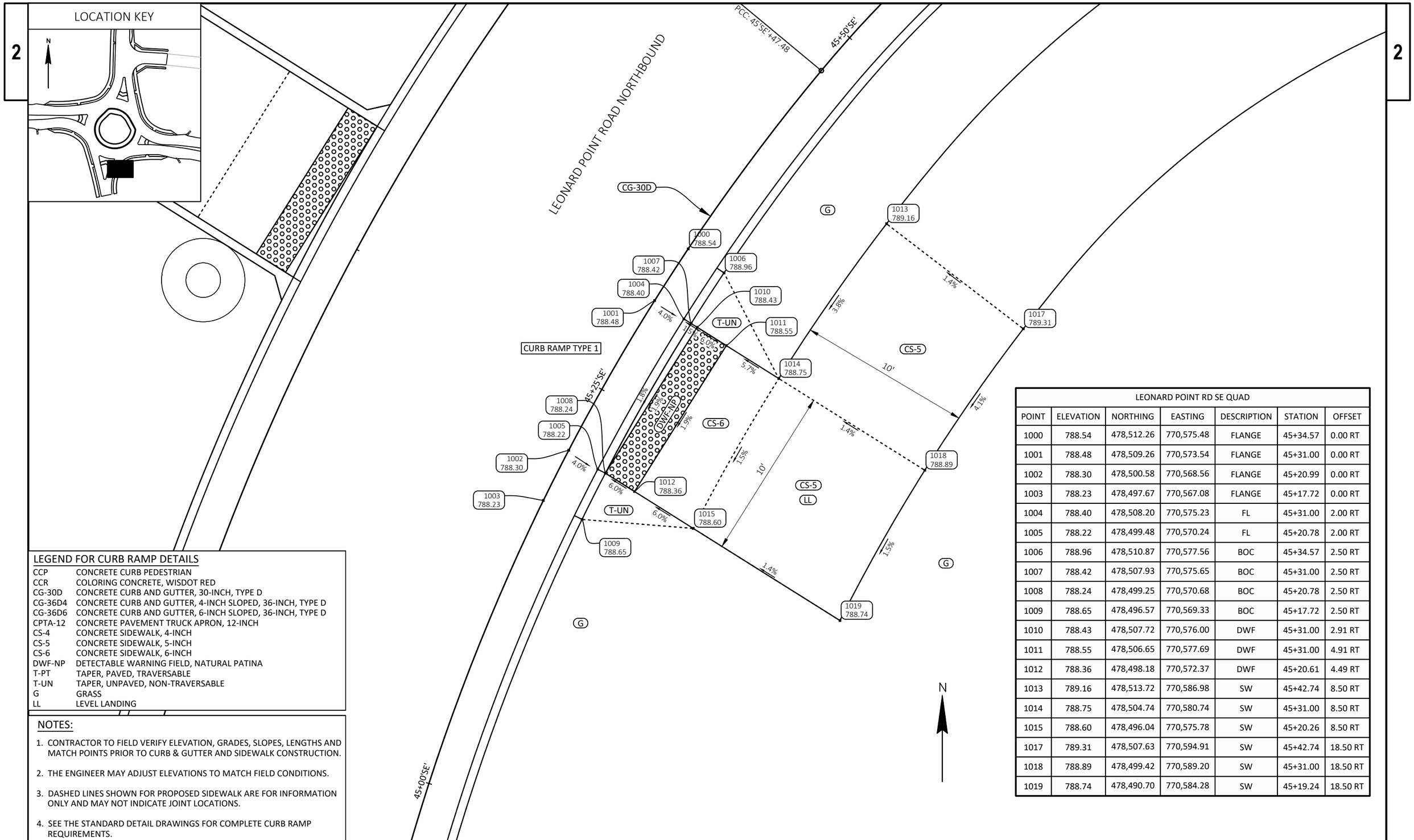
CCP	CONCRETE CURB PEDESTRIAN
CCR	COLORING CONCRETE, WISDOT RED
CG-30D	CONCRETE CURB AND GUTTER, 30-INCH, TYPE D
CG-36D4	CONCRETE CURB AND GUTTER, 4-INCH SLOPED, 36-INCH, TYPE D
CG-36D6	CONCRETE CURB AND GUTTER, 6-INCH SLOPED, 36-INCH, TYPE D
CPTA-12	CONCRETE PAVEMENT TRUCK APRON, 12-INCH
CS-4	CONCRETE SIDEWALK, 4-INCH
CS-5	CONCRETE SIDEWALK, 5-INCH
CS-6	CONCRETE SIDEWALK, 6-INCH
DWF-NP	DETECTABLE WARNING FIELD, NATURAL PATINA
T-PT	TAPER, PAVED, TRAVERSABLE
T-UN	TAPER, UNPAVED, NON-TRAVERSABLE
G	GRASS
LL	LEVEL LANDING



STH 21 SE QUAD						
POINT	ELEVATION	NORTHING	EASTING	DESCRIPTION	STATION	OFFSET
900	788.14	478,551.02	770,664.76	FLANGE	32+59.36	166.24 LT
901	788.09	478,551.23	770,668.27	FLANGE	32+59.97	169.69 LT
902	787.93	478,551.70	770,678.26	FLANGE	32+61.84	179.47 LT
903	787.87	478,551.80	770,681.32	FLANGE	32+62.44	182.46 LT
904	788.01	478,549.23	770,668.38	FL	32+61.75	169.29 LT
905	787.85	478,549.70	770,678.37	FL	32+63.60	179.08 LT
906	788.56	478,548.52	770,664.92	BOC	32+61.58	165.76 LT
907	788.03	478,548.73	770,668.41	BOC	32+62.19	169.19 LT
908	787.87	478,549.20	770,678.40	BOC	32+64.04	178.98 LT
909	788.30	478,549.30	770,681.40	BOC	32+64.63	181.91 LT
910	788.03	478,548.63	770,668.41	DWF	32+62.28	169.17 LT
911	788.11	478,546.64	770,668.53	DWF	32+64.05	168.78 LT
912	787.95	478,547.20	770,678.51	DWF	32+65.81	178.59 LT
913	788.72	478,542.06	770,658.57	SW	32+65.82	157.99 LT
914	788.26	478,542.74	770,668.75	SW	32+67.51	168.03 LT
915	788.11	478,543.21	770,678.74	SW	32+69.34	177.82 LT
916	788.22	478,543.48	770,689.15	SW	32+71.41	187.98 LT
917	788.86	478,532.09	770,659.34	SW	32+74.79	156.29 LT
918	788.40	478,532.76	770,669.32	SW	32+76.40	166.13 LT
919	788.25	478,533.22	770,679.31	SW	32+78.18	175.93 LT
920	788.36	478,533.48	770,689.30	SW	32+80.12	185.70 LT

PROJECT NO: 6180-31-71	HWY: STH 21	COUNTY: WINNEBAGO	CURB RAMP DETAILS - ROUNDABOUT EAST	SHEET 45	E

FILE NAME : N:\3001455.00\CIVIL 3D\SHEETS\61803171-021301-CR.DWG
LAYOUT NAME - 61803171-021309-cr
PLOT DATE : 2/10/2025 9:06 AM
PLOT BY : CRAIG KNUTH
PLOT NAME :
PLOT SCALE : 1 IN:5 FT



LEGEND FOR CURB RAMP DETAILS

CCP	CONCRETE CURB PEDESTRIAN
CCR	COLORING CONCRETE, WISDOT RED
CG-30D	CONCRETE CURB AND GUTTER, 30-INCH, TYPE D
CG-36D4	CONCRETE CURB AND GUTTER, 4-INCH SLOPED, 36-INCH, TYPE D
CG-36D6	CONCRETE CURB AND GUTTER, 6-INCH SLOPED, 36-INCH, TYPE D
CPTA-12	CONCRETE PAVEMENT TRUCK APRON, 12-INCH
CS-4	CONCRETE SIDEWALK, 4-INCH
CS-5	CONCRETE SIDEWALK, 5-INCH
CS-6	CONCRETE SIDEWALK, 6-INCH
DWF-NP	DETECTABLE WARNING FIELD, NATURAL PATINA
T-PT	TAPER, PAVED, TRAVERSABLE
T-UN	TAPER, UNPAVED, NON-TRAVERSABLE
G	GRASS
LL	LEVEL LANDING

NOTES:

1. CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO CURB & GUTTER AND SIDEWALK CONSTRUCTION.
2. THE ENGINEER MAY ADJUST ELEVATIONS TO MATCH FIELD CONDITIONS.
3. DASHED LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATION ONLY AND MAY NOT INDICATE JOINT LOCATIONS.
4. SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS.

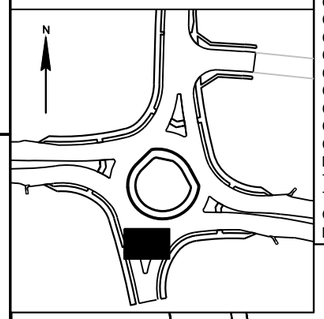
LEONARD POINT RD SE QUAD						
POINT	ELEVATION	NORTHING	EASTING	DESCRIPTION	STATION	OFFSET
1000	788.54	478,512.26	770,575.48	FLANGE	45+34.57	0.00 RT
1001	788.48	478,509.26	770,573.54	FLANGE	45+31.00	0.00 RT
1002	788.30	478,500.58	770,568.56	FLANGE	45+20.99	0.00 RT
1003	788.23	478,497.67	770,567.08	FLANGE	45+17.72	0.00 RT
1004	788.40	478,508.20	770,575.23	FL	45+31.00	2.00 RT
1005	788.22	478,499.48	770,570.24	FL	45+20.78	2.00 RT
1006	788.96	478,510.87	770,577.56	BOC	45+34.57	2.50 RT
1007	788.42	478,507.93	770,575.65	BOC	45+31.00	2.50 RT
1008	788.24	478,499.25	770,570.68	BOC	45+20.78	2.50 RT
1009	788.65	478,496.57	770,569.33	BOC	45+17.72	2.50 RT
1010	788.43	478,507.72	770,576.00	DWF	45+31.00	2.91 RT
1011	788.55	478,506.65	770,577.69	DWF	45+31.00	4.91 RT
1012	788.36	478,498.18	770,572.37	DWF	45+20.61	4.49 RT
1013	789.16	478,513.72	770,586.98	SW	45+42.74	8.50 RT
1014	788.75	478,504.74	770,580.74	SW	45+31.00	8.50 RT
1015	788.60	478,496.04	770,575.78	SW	45+20.26	8.50 RT
1017	789.31	478,507.63	770,594.91	SW	45+42.74	18.50 RT
1018	788.89	478,499.42	770,589.20	SW	45+31.00	18.50 RT
1019	788.74	478,490.70	770,584.28	SW	45+19.24	18.50 RT

PROJECT NO: 6180-31-71	HWY: STH 21	COUNTY: WINNEBAGO	CURB RAMP DETAILS - LEONARD POINT ROAD SOUTH	SHEET 46	E

FILE NAME : N:\3001455.00\CIVIL 3D\SHEETS\61803171-021301-CR.DWG
LAYOUT NAME - 61803171-021310-cr
PLOT DATE : 2/10/2025 9:06 AM
PLOT BY : CRAIG KNUTH
PLOT NAME :
PLOT SCALE : 1 IN:5 FT
WISDOT/CADDS SHEET 42

2

LOCATION KEY



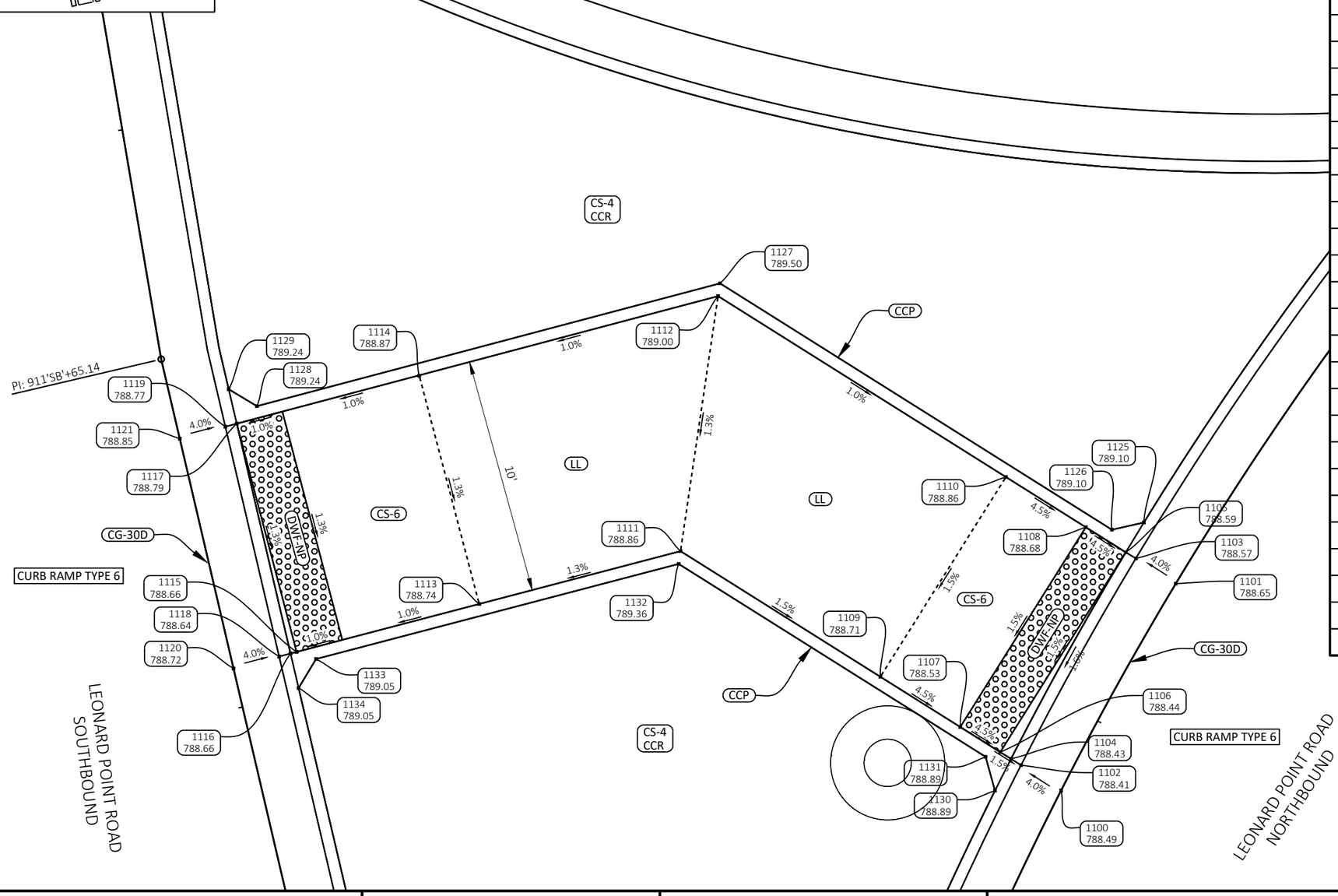
LEGEND FOR CURB RAMP DETAILS

CCP	CONCRETE CURB PEDESTRIAN
CCR	COLORING CONCRETE, WISDOT RED
CG-30D	CONCRETE CURB AND GUTTER, 30-INCH, TYPE D
CG-36D4	CONCRETE CURB AND GUTTER, 4-INCH SLOPED, 36-INCH, TYPE D
CG-36D6	CONCRETE CURB AND GUTTER, 6-INCH SLOPED, 36-INCH, TYPE D
CPTA-12	CONCRETE PAVEMENT TRUCK APRON, 12-INCH
CS-4	CONCRETE SIDEWALK, 4-INCH
CS-5	CONCRETE SIDEWALK, 5-INCH
CS-6	CONCRETE SIDEWALK, 6-INCH
DWF-NP	DETECTABLE WARNING FIELD, NATURAL PATINA
T-PT	TAPER, PAVED, TRAVERSABLE
T-UN	TAPER, UNPAVED, NON-TRAVERSABLE
G	GRASS
LL	LEVEL LANDING

NOTES:

1. CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO CURB & GUTTER AND SIDEWALK CONSTRUCTION.
2. THE ENGINEER MAY ADJUST ELEVATIONS TO MATCH FIELD CONDITIONS.
3. DASHED LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATION ONLY AND MAY NOT INDICATE JOINT LOCATIONS.
4. SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS.

N

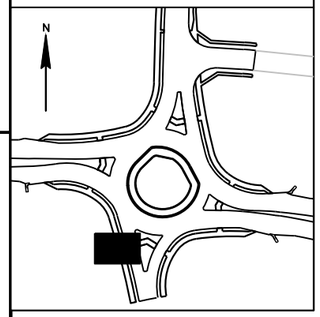


LEONARD POINT RD S SPLITTER						
POINT	ELEVATION	NORTHING	EASTING	DESCRIPTION	STATION	OFFSET
1100	788.49	478,509.28	770,554.71	FLANGE	811+46.67	0.00 RT
1101	788.65	478,518.04	770,559.57	FLANGE	811+56.69	0.00 RT
1102	788.41	478,510.35	770,553.01	FL	811+46.85	2.00 LT
1103	788.57	478,519.11	770,557.88	FL	811+56.74	2.00 LT
1104	788.43	478,510.62	770,552.59	BOC	811+46.90	2.50 LT
1105	788.59	478,519.37	770,557.45	BOC	811+56.74	2.50 LT
1106	788.44	478,510.90	770,552.13	DWF	811+46.94	3.04 LT
1107	788.53	478,511.97	770,550.44	DWF	811+47.11	5.03 LT
1108	788.68	478,520.43	770,555.76	DWF	811+56.78	4.50 LT
1109	788.71	478,514.10	770,547.05	SW	811+47.44	9.01 LT
1110	788.86	478,522.56	770,552.37	SW	811+56.85	8.50 LT
1111	788.86	478,519.42	770,538.58	SW	811+48.18	18.99 LT
1112	789.00	478,530.23	770,540.17	SW	811+57.08	22.91 LT
1113	788.74	478,517.18	770,530.05	SW	811+43.15	25.62 LT
1114	788.87	478,526.85	770,527.51	SW	811+49.37	32.25 LT
1115	788.66	478,515.15	770,522.31	DWF	811+38.91	31.80 LT
1116	788.66	478,515.08	770,522.05	BOC	811+38.78	32.01 LT
1117	788.79	478,524.82	770,519.77	BOC	811+45.08	38.20 LT
1118	788.64	478,514.96	770,521.56	FL	811+38.52	32.40 LT
1119	788.77	478,524.70	770,519.29	FL	811+44.82	38.58 LT
1120	788.72	478,514.45	770,519.63	FLANGE	811+37.52	33.97 LT
1121	788.85	478,524.19	770,517.35	FLANGE	811+43.80	40.10 LT
1125	789.10	478,520.63	770,558.22	PED	811+58.19	2.50 LT
1126	789.10	478,520.33	770,556.87	PED	811+57.25	3.50 LT
1127	789.50	478,530.77	770,540.25	PED	811+57.52	23.12 LT
1128	789.24	478,525.56	770,520.62	PED	811+45.91	37.77 LT
1129	789.24	478,526.28	770,519.43	PED	811+45.99	39.16 LT
1130	788.89	478,509.27	770,551.91	PED	811+45.42	2.50 LT
1131	788.89	478,510.70	770,551.51	PED	811+46.49	3.50 LT
1132	789.36	478,518.88	770,538.50	PED	811+47.73	18.81 LT
1133	789.05	478,514.85	770,523.13	PED	811+38.96	30.92 LT
1134	789.05	478,513.62	770,522.39	PED	811+37.79	31.11 LT

2

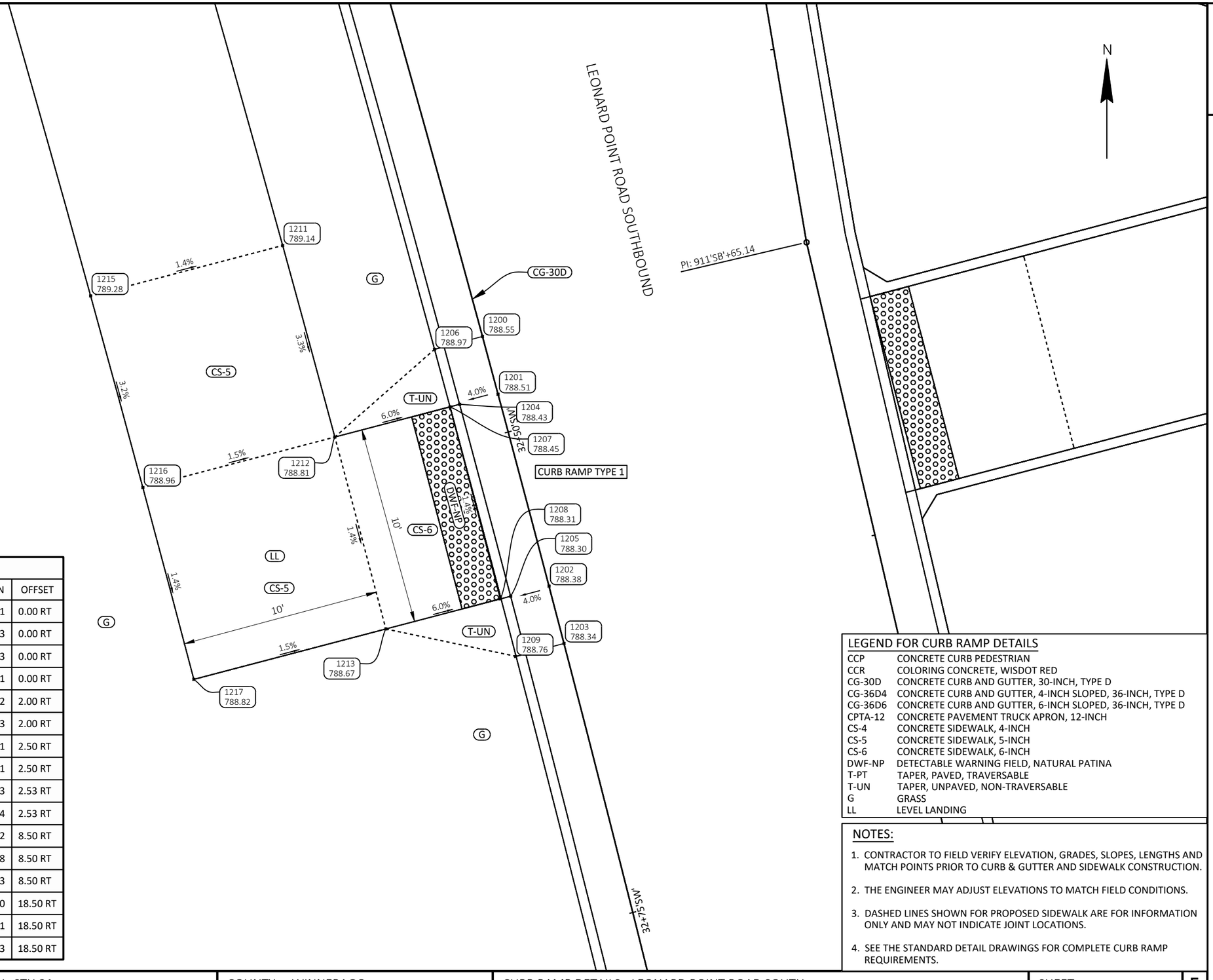
PROJECT NO: 6180-31-71	HWY: STH 21	COUNTY: WINNEBAGO	CURB RAMP DETAILS - LEONARD POINT ROAD SOUTH	SHEET 47	E

LOCATION KEY



2

2



LEONARD POINT RD SW QUAD						
POINT	ELEVATION	NORTHING	EASTING	DESCRIPTION	STATION	OFFSET
1200	788.55	478,522.82	770,500.24	FLANGE	32+45.01	0.00 RT
1201	788.51	478,519.90	770,501.03	FLANGE	32+48.03	0.00 RT
1202	788.38	478,510.24	770,503.59	FLANGE	32+58.03	0.00 RT
1203	788.34	478,507.35	770,504.35	FLANGE	32+61.01	0.00 RT
1204	788.43	478,519.40	770,499.09	FL	32+48.02	2.00 RT
1205	788.30	478,509.73	770,501.66	FL	32+58.03	2.00 RT
1206	788.97	478,522.17	770,497.82	BOC	32+45.01	2.50 RT
1207	788.45	478,519.27	770,498.61	BOC	32+48.01	2.50 RT
1208	788.31	478,509.60	770,501.15	BOC	32+58.03	2.53 RT
1209	788.76	478,506.70	770,501.91	BOC	32+61.04	2.53 RT
1211	789.14	478,527.40	770,490.17	SW	32+37.92	8.50 RT
1212	788.81	478,517.75	770,492.80	SW	32+47.98	8.50 RT
1213	788.67	478,508.08	770,495.37	SW	32+58.03	8.50 RT
1215	789.28	478,524.86	770,480.50	SW	32+37.80	18.50 RT
1216	788.96	478,515.21	770,483.13	SW	32+47.91	18.50 RT
1217	788.82	478,505.54	770,485.70	SW	32+58.03	18.50 RT

LEGEND FOR CURB RAMP DETAILS

CCP	CONCRETE CURB PEDESTRIAN
CCR	COLORING CONCRETE, WISDOT RED
CG-30D	CONCRETE CURB AND GUTTER, 30-INCH, TYPE D
CG-36D4	CONCRETE CURB AND GUTTER, 4-INCH SLOPED, 36-INCH, TYPE D
CG-36D6	CONCRETE CURB AND GUTTER, 6-INCH SLOPED, 36-INCH, TYPE D
CPTA-12	CONCRETE PAVEMENT TRUCK APRON, 12-INCH
CS-4	CONCRETE SIDEWALK, 4-INCH
CS-5	CONCRETE SIDEWALK, 5-INCH
CS-6	CONCRETE SIDEWALK, 6-INCH
DWF-NP	DETECTABLE WARNING FIELD, NATURAL PATINA
T-PT	TAPER, PAVED, TRAVERSABLE
T-UN	TAPER, UNPAVED, NON-TRAVERSABLE
G	GRASS
LL	LEVEL LANDING

NOTES:

1. CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO CURB & GUTTER AND SIDEWALK CONSTRUCTION.
2. THE ENGINEER MAY ADJUST ELEVATIONS TO MATCH FIELD CONDITIONS.
3. DASHED LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATION ONLY AND MAY NOT INDICATE JOINT LOCATIONS.
4. SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS.

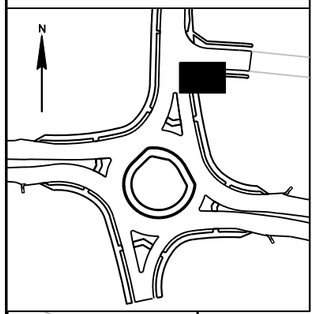
LEGEND FOR CURB RAMP DETAILS

CCP	CONCRETE CURB PEDESTRIAN
CCR	COLORING CONCRETE, WISDOT RED
CG-30D	CONCRETE CURB AND GUTTER, 30-INCH, TYPE D
CG-36D4	CONCRETE CURB AND GUTTER, 4-INCH SLOPED, 36-INCH, TYPE D
CG-36D6	CONCRETE CURB AND GUTTER, 6-INCH SLOPED, 36-INCH, TYPE D
CPTA-12	CONCRETE PAVEMENT TRUCK APRON, 12-INCH
CS-4	CONCRETE SIDEWALK, 4-INCH
CS-5	CONCRETE SIDEWALK, 5-INCH
CS-6	CONCRETE SIDEWALK, 6-INCH
DWF-NP	DETECTABLE WARNING FIELD, NATURAL PATINA
T-PT	TAPER, PAVED, TRAVERSABLE
T-UN	TAPER, UNPAVED, NON-TRAVERSABLE
G	GRASS
LL	LEVEL LANDING

NOTES:

1. CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO CURB & GUTTER AND SIDEWALK CONSTRUCTION.
2. THE ENGINEER MAY ADJUST ELEVATIONS TO MATCH FIELD CONDITIONS.
3. DASHED LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATION ONLY AND MAY NOT INDICATE JOINT LOCATIONS.
4. SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS.

LOCATION KEY



LEONARD POINT ROAD NORTHBOUND

CURB RAMP TYPE 4B1

1304 786.86
1305 786.78
1314 787.27
1303 786.91
1306 786.83
1313 786.84
1321 786.53
1320 786.54
1301 787.13
1308 787.05
1311 787.06
1300 787.17
1319 787.08
1309 787.09
1312 787.13
1310 787.60
1318 787.17
1317 787.21
1316 788.21
1315 788.06

DWR-NP
CS-5
CS-6
LL
4.0%
1.5%
1.7%
0.2%
0.4%
5.0%
5'
10'
53+00 NE'
OH
FO
T

N

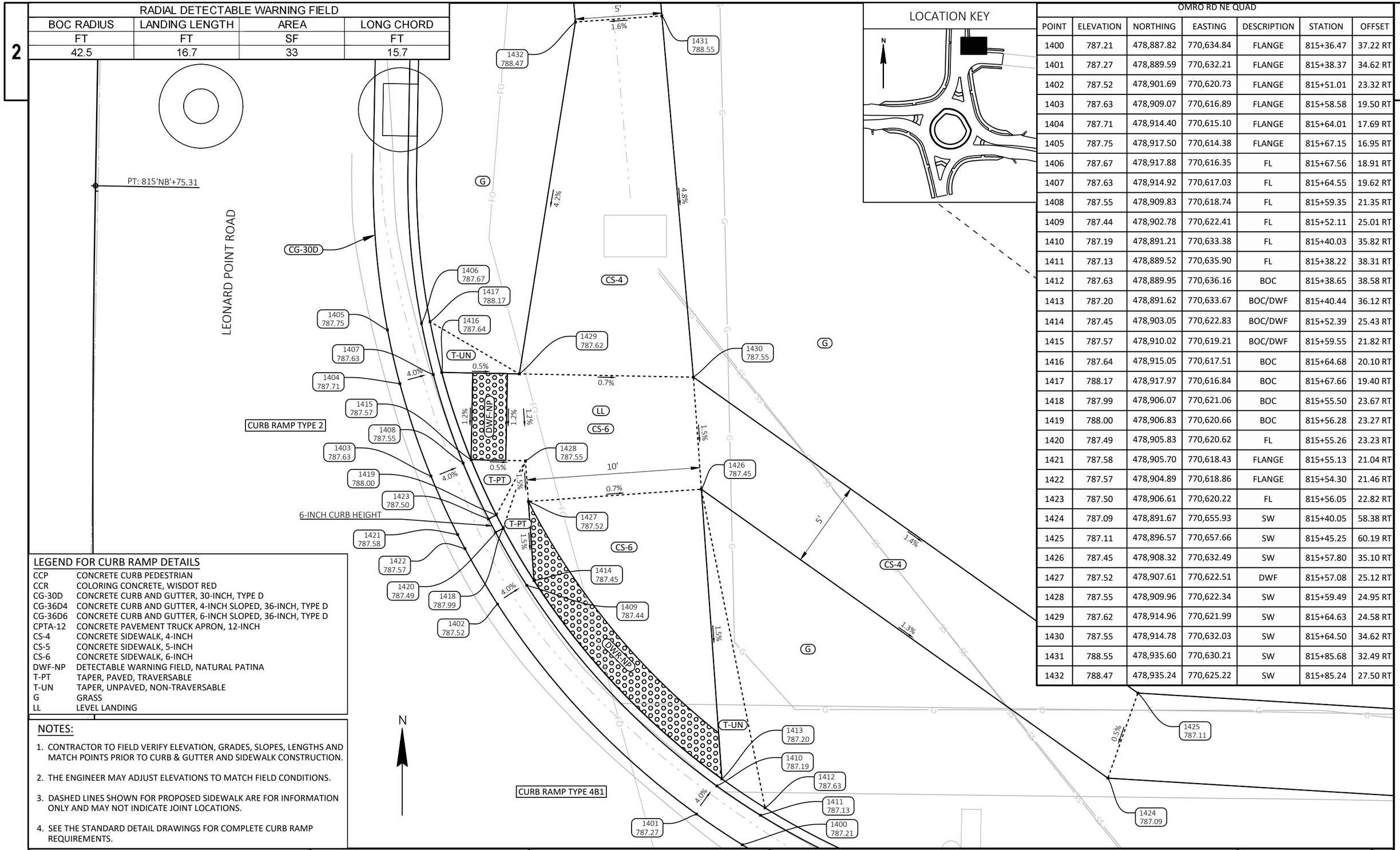
RADIAL DETECTABLE WARNING FIELD			
BOC RADIUS	LANDING LENGTH	AREA	LONG CHORD
FT	FT	SF	FT
42.5	16.7	33	15.7

OMRO RD SE QUAD

POINT	ELEVATION	NORTHING	EASTING	DESCRIPTION	STATION	OFFSET
1300	787.17	478,819.41	770,625.21	FLANGE	814+66.50	23.51 RT
1301	787.13	478,822.18	770,626.38	FLANGE	814+69.21	24.93 RT
1303	786.91	478,835.74	770,636.03	FLANGE	814+82.30	35.73 RT
1304	786.86	478,837.75	770,638.26	FLANGE	814+84.20	38.11 RT
1305	786.78	478,836.30	770,639.65	FL	814+82.59	39.38 RT
1306	786.83	478,834.30	770,637.42	FL	814+80.69	36.99 RT
1308	787.05	478,821.34	770,628.19	FL	814+68.18	26.66 RT
1309	787.09	478,818.57	770,627.03	FL	814+65.46	25.24 RT
1310	787.60	478,818.36	770,627.48	BOC	814+65.20	25.67 RT
1311	787.06	478,821.13	770,628.65	BOC/DWF	814+67.92	27.09 RT
1312	787.13	478,816.59	770,628.97	DWF	814+63.23	26.97 RT
1313	786.84	478,833.94	770,637.76	BOC/DWF	814+80.29	37.31 RT
1314	787.27	478,835.94	770,640.00	BOC	814+82.18	39.70 RT
1315	788.06	478,790.12	770,632.26	SW	814+35.78	27.22 RT
1316	788.21	478,791.47	770,642.16	SW	814+35.85	37.21 RT
1317	787.21	478,811.29	770,629.34	SW	814+57.77	26.80 RT
1318	787.17	478,812.27	770,639.30	SW	814+57.70	36.81 RT
1319	787.08	478,817.97	770,638.90	SW	814+63.64	36.99 RT
1320	786.54	478,832.65	770,670.72	SW	814+76.00	70.04 RT
1321	786.53	478,837.74	770,669.38	SW	814+81.59	69.13 RT

PROJECT NO: 6180-31-71	HWY: STH 21	COUNTY: WINNEBAGO	CURB RAMP DETAILS - OMRO RD	SHEET 49 E

RADIAL DETECTABLE WARNING FIELD			
BOC RADIUS	LANDING LENGTH	AREA	LONG CHORD
FT	FT	SF	FT
42.5	16.7	33	15.7



LOCATION KEY

OMRO RD NE QUAD						
POINT	ELEVATION	NORTHING	EASTING	DESCRIPTION	STATION	OFFSET
1400	787.21	478,887.82	770,634.84	FLANGE	815+36.47	37.22 RT
1401	787.27	478,889.59	770,632.21	FLANGE	815+38.37	34.62 RT
1402	787.52	478,901.69	770,620.73	FLANGE	815+51.01	23.32 RT
1403	787.63	478,909.07	770,616.89	FLANGE	815+58.58	19.50 RT
1404	787.71	478,914.40	770,615.10	FLANGE	815+64.01	17.69 RT
1405	787.75	478,917.50	770,614.38	FLANGE	815+67.15	16.95 RT
1406	787.67	478,917.88	770,616.35	FL	815+67.56	18.91 RT
1407	787.63	478,914.92	770,617.03	FL	815+64.55	19.62 RT
1408	787.55	478,909.83	770,618.74	FL	815+59.35	21.35 RT
1409	787.44	478,902.78	770,622.41	FL	815+52.11	25.01 RT
1410	787.19	478,891.21	770,633.38	FL	815+40.03	35.82 RT
1411	787.13	478,889.52	770,635.90	FL	815+38.22	38.31 RT
1412	787.63	478,889.95	770,636.16	BOC	815+38.65	38.58 RT
1413	787.20	478,891.62	770,633.67	BOC/DWF	815+40.44	36.12 RT
1414	787.45	478,903.05	770,622.83	BOC/DWF	815+52.39	25.43 RT
1415	787.57	478,910.02	770,619.21	BOC/DWF	815+59.55	21.82 RT
1416	787.64	478,915.05	770,617.51	BOC	815+64.68	20.10 RT
1417	788.17	478,917.97	770,616.84	BOC	815+67.66	19.40 RT
1418	787.99	478,906.07	770,621.06	BOC	815+55.50	23.67 RT
1419	788.00	478,906.83	770,620.66	BOC	815+56.28	23.27 RT
1420	787.49	478,905.83	770,620.62	FL	815+55.26	23.23 RT
1421	787.58	478,905.70	770,618.43	FLANGE	815+55.13	21.04 RT
1422	787.57	478,904.89	770,618.86	FLANGE	815+54.30	21.46 RT
1423	787.50	478,906.61	770,620.22	FL	815+56.05	22.82 RT
1424	787.09	478,891.67	770,655.93	SW	815+40.05	58.38 RT
1425	787.11	478,896.57	770,657.66	SW	815+45.25	60.19 RT
1426	787.45	478,908.32	770,632.49	SW	815+57.80	35.10 RT
1427	787.52	478,907.61	770,622.51	DWF	815+57.08	25.12 RT
1428	787.55	478,909.96	770,622.34	SW	815+59.49	24.95 RT
1429	787.62	478,914.96	770,621.99	SW	815+64.63	24.58 RT
1430	787.55	478,914.78	770,632.03	SW	815+64.50	34.62 RT
1431	788.55	478,935.60	770,630.21	SW	815+85.68	32.49 RT
1432	788.47	478,935.24	770,625.22	SW	815+85.24	27.50 RT

LEGEND FOR CURB RAMP DETAILS

CCP	CONCRETE CURB PEDESTRIAN
CCR	COLORING CONCRETE, WISDOT RED
CG-30D	CONCRETE CURB AND GUTTER, 30-INCH, TYPE D
CG-36D4	CONCRETE CURB AND GUTTER, 4-INCH SLOPED, 36-INCH, TYPE D
CG-36D6	CONCRETE CURB AND GUTTER, 6-INCH SLOPED, 36-INCH, TYPE D
CPTA-12	CONCRETE PAVEMENT TRUCK APRON, 12-INCH
CS-4	CONCRETE SIDEWALK, 4-INCH
CS-5	CONCRETE SIDEWALK, 5-INCH
CS-6	CONCRETE SIDEWALK, 6-INCH
DWF-NP	DETECTABLE WARNING FIELD, NATURAL PATINA
T-PT	TAPER, PAVED, TRAVERSABLE
T-UN	TAPER, UNPAVED, NON-TRAVERSABLE
G	GRASS
LL	LEVEL LANDING

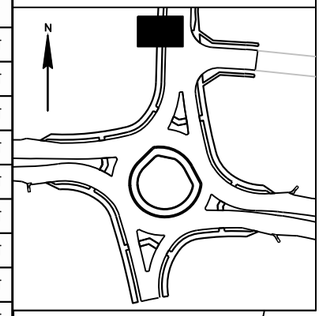
NOTES:

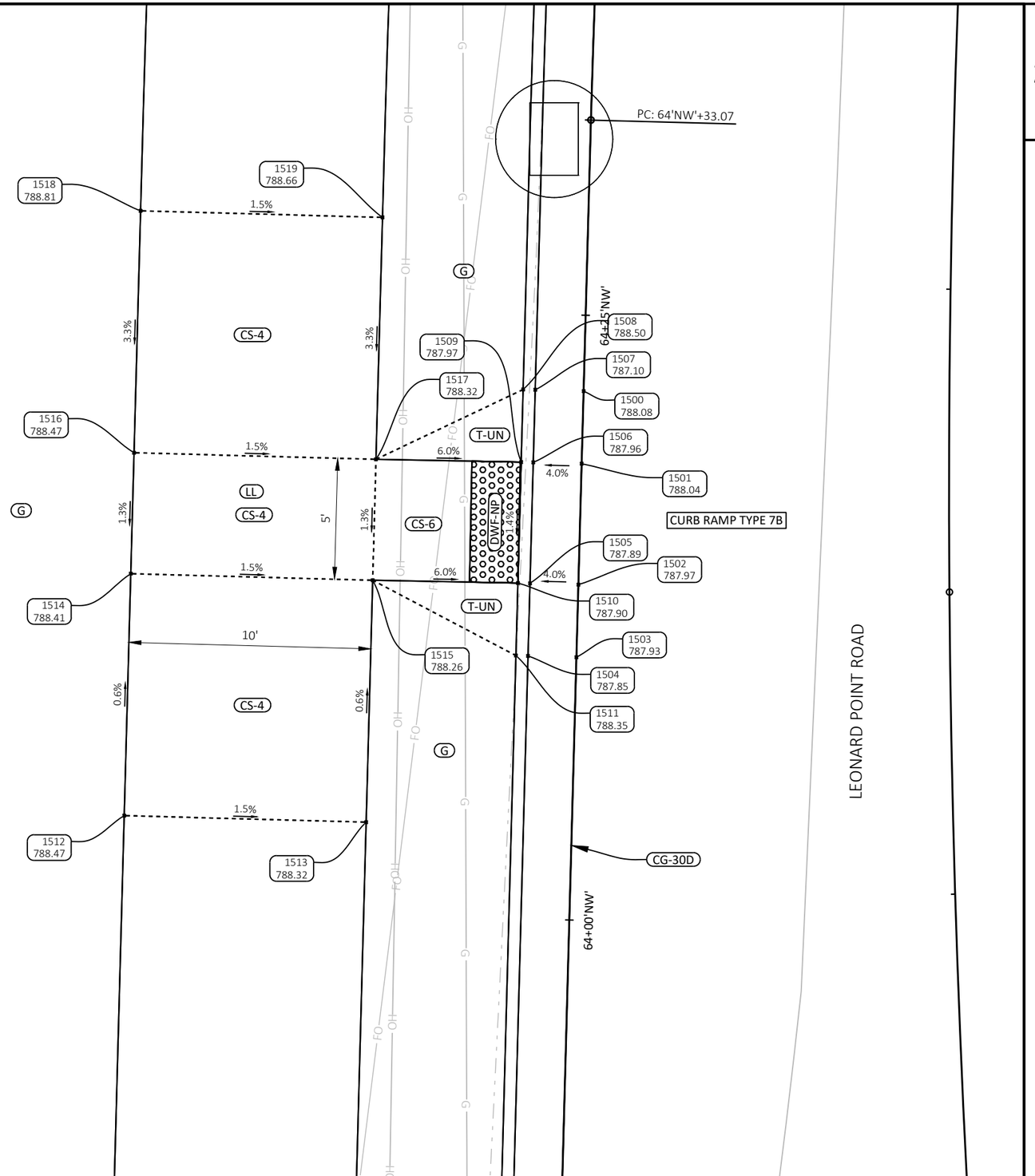
1. CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO CURB & GUTTER AND SIDEWALK CONSTRUCTION.
2. THE ENGINEER MAY ADJUST ELEVATIONS TO MATCH FIELD CONDITIONS.
3. DASHED LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATION ONLY AND MAY NOT INDICATE JOINT LOCATIONS.
4. SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS.

PROJECT NO: 6180-31-71	HWY: STH 21	COUNTY: WINNEBAGO	CURB RAMP DETAILS - OMRO RD	SHEET 50	E

OMRO RD NWQUAD					
ELEVATION	NORTHING	EASTING	DESCRIPTION	STATION	OFFSET
788.08	478,918.87	770,572.98	FLANGE	915+70.68	15.11 LT
788.04	478,915.87	770,572.90	FLANGE	915+67.76	15.18 LT
787.97	478,910.88	770,572.76	FLANGE	915+62.90	15.33 LT
787.93	478,907.88	770,572.68	FLANGE	915+59.98	15.44 LT
787.85	478,907.93	770,570.68	FL	915+60.06	17.43 LT
787.89	478,910.93	770,570.76	FL	915+62.96	17.33 LT
787.96	478,915.93	770,570.90	FL	915+67.81	17.18 LT
787.10	478,918.93	770,570.98	FL	915+70.72	17.11 LT
788.50	478,918.94	770,570.48	BOC	915+70.73	17.61 LT
787.97	478,915.94	770,570.40	BOC/DWF	915+67.82	17.68 LT
787.90	478,910.94	770,570.26	BOC/DWF	915+62.98	17.82 LT
788.35	478,907.94	770,570.18	BOC	915+60.07	17.93 LT
788.47	478,901.33	770,554.00	SW	915+54.03	34.23 LT
788.32	478,901.06	770,563.99	SW	915+53.55	24.25 LT
788.41	478,911.33	770,554.27	SW	915+63.44	33.82 LT
788.26	478,911.06	770,564.26	SW	915+63.13	23.82 LT
788.47	478,916.33	770,554.40	SW	915+68.15	33.67 LT
788.32	478,916.06	770,564.40	SW	915+67.92	23.68 LT
788.81	478,926.32	770,554.67	SW	915+77.57	33.52 LT
788.66	478,926.05	770,564.67	SW	915+77.50	23.52 LT

LOCATION KEY





LEGEND FOR CURB RAMP DETAILS

CCP	CONCRETE CURB PEDESTRIAN
CCR	COLORING CONCRETE, WISDOT RED
CG-30D	CONCRETE CURB AND GUTTER, 30-INCH, TYPE D
CG-36D4	CONCRETE CURB AND GUTTER, 4-INCH SLOPED, 36-INCH, TYPE D
CG-36D6	CONCRETE CURB AND GUTTER, 6-INCH SLOPED, 36-INCH, TYPE D
CPTA-12	CONCRETE PAVEMENT TRUCK APRON, 12-INCH
CS-4	CONCRETE SIDEWALK, 4-INCH
CS-5	CONCRETE SIDEWALK, 5-INCH
CS-6	CONCRETE SIDEWALK, 6-INCH
DWF-NP	DETECTABLE WARNING FIELD, NATURAL PATINA
T-PT	TAPER, PAVED, TRAVERSABLE
T-UN	TAPER, UNPAVED, NON-TRAVERSABLE
G	GRASS
LL	LEVEL LANDING

NOTES:

1. CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO CURB & GUTTER AND SIDEWALK CONSTRUCTION.
2. THE ENGINEER MAY ADJUST ELEVATIONS TO MATCH FIELD CONDITIONS.
3. DASHED LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATION ONLY AND MAY NOT INDICATE JOINT LOCATIONS.
4. SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS.

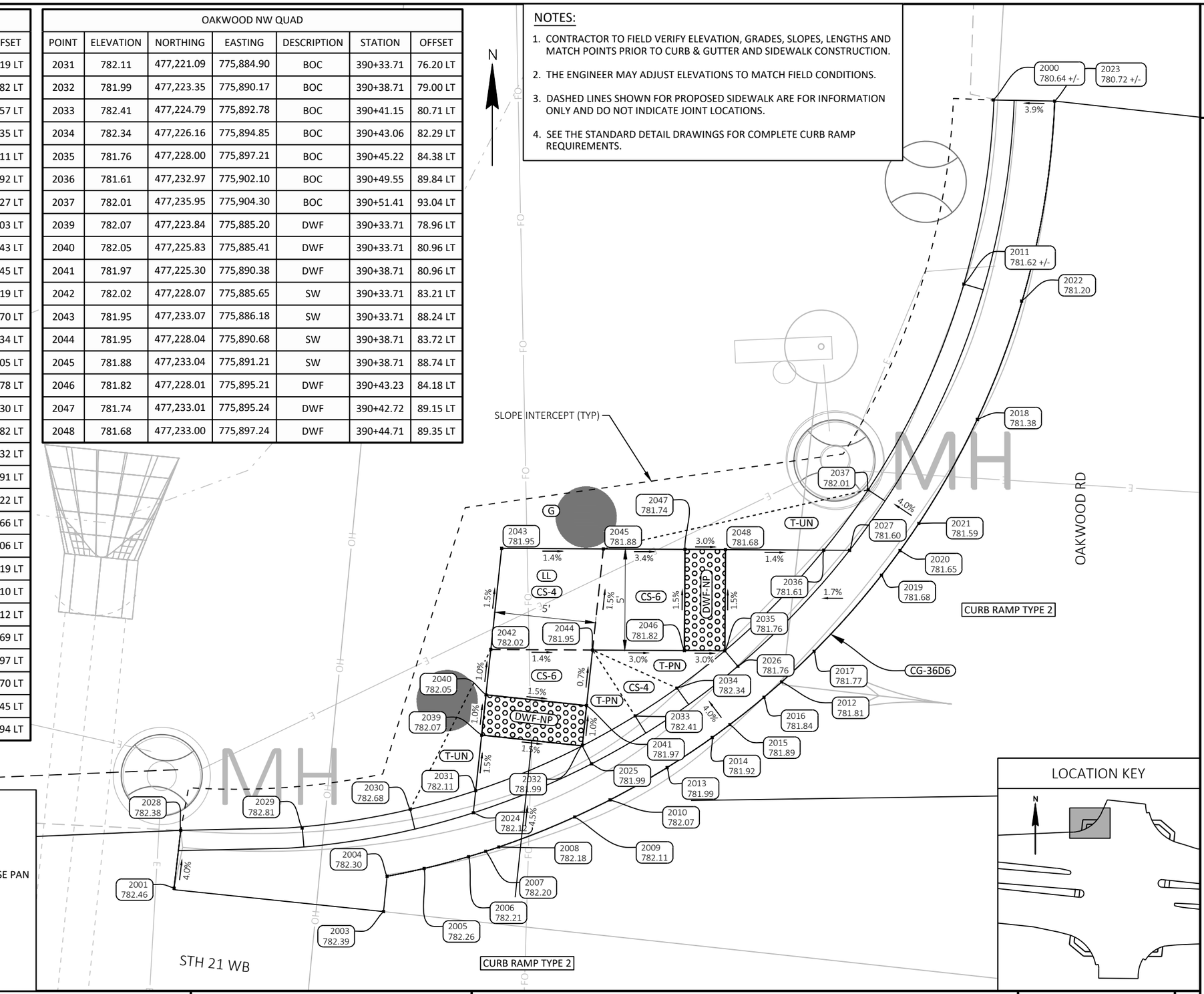
PROJECT NO: 6180-31-71	HWY: STH 21	COUNTY: WINNEBAGO	CURB RAMP DETAILS - OMRO RD	SHEET 51 E

OAKWOOD NW QUAD						
POINT	ELEVATION	NORTHING	EASTING	DESCRIPTION	STATION	OFFSET
2000	780.64	477,255.20	775,910.48	BOC	390+56.44	97.19 LT
2001	782.46	477,216.28	775,870.00	FLANGE	390+19.40	69.82 LT
2003	782.39	477,215.13	775,880.35	FLANGE	390+25.95	70.57 LT
2004	782.30	477,216.86	775,880.52	FLANGE	390+24.77	70.35 LT
2005	782.26	477,217.25	775,882.36	FLANGE	390+31.59	72.11 LT
2006	782.21	477,217.84	775,884.55	FLANGE	390+33.71	72.92 LT
2007	782.20	477,218.10	775,885.40	FLANGE	390+34.52	73.27 LT
2008	782.18	477,218.31	775,886.05	QRT PT	390+31.38	72.03 LT
2009	782.11	477,219.80	775,889.79	FLANGE	390+38.71	75.43 LT
2010	782.07	477,220.64	775,891.54	FLANGE	390+40.36	76.45 LT
2011	781.62	477,246.11	775,909.02	BOC	390+56.44	97.19 LT
2012	781.81	477,226.46	775,900.02	QRT PT	390+42.16	77.70 LT
2013	781.99	477,222.23	775,894.36	FLANGE	390+42.99	78.34 LT
2014	781.92	477,223.72	775,896.59	FLANGE	390+45.05	80.05 LT
2015	781.89	477,224.36	775,897.46	FLANGE	390+45.85	80.78 LT
2016	781.84	477,225.71	775,899.15	FLANGE	390+47.38	82.30 LT
2017	781.77	477,227.98	775,901.62	FLANGE	390+49.60	84.82 LT
2018	781.38	477,239.43	775,909.69	QRT PT	390+50.76	86.32 LT
2019	781.68	477,231.73	775,904.95	FLANGE	390+52.51	88.91 LT
2020	781.65	477,232.95	775,905.87	FLANGE	390+53.29	90.22 LT
2021	781.59	477,234.30	775,906.80	FLANGE	390+54.08	91.66 LT
2022	781.20	477,245.28	775,911.88	FLANGE	390+54.28	92.06 LT
2023	780.72	477,255.15	775,913.51	FLANGE	390+56.44	97.19 LT
2024	782.12	477,220.00	775,884.79	FL	390+33.71	75.10 LT
2025	781.99	477,222.42	775,890.63	FL	390+39.26	78.12 LT
2026	781.76	477,227.24	775,897.86	FL	390+45.94	83.69 LT
2027	781.60	477,232.97	775,903.38	FL	390+50.82	89.97 LT
2028	782.38	477,219.14	775,870.33	BOC	390+19.43	72.70 LT
2029	782.81	477,219.25	775,876.33	BOC	390+25.38	73.45 LT
2030	782.68	477,220.17	775,881.67	BOC	390+30.59	74.94 LT

OAKWOOD NW QUAD						
POINT	ELEVATION	NORTHING	EASTING	DESCRIPTION	STATION	OFFSET
2031	782.11	477,221.09	775,884.90	BOC	390+33.71	76.20 LT
2032	781.99	477,223.35	775,890.17	BOC	390+38.71	79.00 LT
2033	782.41	477,224.79	775,892.78	BOC	390+41.15	80.71 LT
2034	782.34	477,226.16	775,894.85	BOC	390+43.06	82.29 LT
2035	781.76	477,228.00	775,897.21	BOC	390+45.22	84.38 LT
2036	781.61	477,232.97	775,902.10	BOC	390+49.55	89.84 LT
2037	782.01	477,235.95	775,904.30	BOC	390+51.41	93.04 LT
2039	782.07	477,223.84	775,885.20	DWF	390+33.71	78.96 LT
2040	782.05	477,225.83	775,885.41	DWF	390+33.71	80.96 LT
2041	781.97	477,225.30	775,890.38	DWF	390+38.71	80.96 LT
2042	782.02	477,228.07	775,885.65	SW	390+33.71	83.21 LT
2043	781.95	477,233.07	775,886.18	SW	390+33.71	88.24 LT
2044	781.95	477,228.04	775,890.68	SW	390+38.71	83.72 LT
2045	781.88	477,233.04	775,891.21	SW	390+38.71	88.74 LT
2046	781.82	477,228.01	775,895.21	DWF	390+43.23	84.18 LT
2047	781.74	477,233.01	775,895.24	DWF	390+42.72	89.15 LT
2048	781.68	477,233.00	775,897.24	DWF	390+44.71	89.35 LT

NOTES:

1. CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO CURB & GUTTER AND SIDEWALK CONSTRUCTION.
2. THE ENGINEER MAY ADJUST ELEVATIONS TO MATCH FIELD CONDITIONS.
3. DASHED LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATION ONLY AND DO NOT INDICATE JOINT LOCATIONS.
4. SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS.



LOCATION KEY

LEGEND FOR CURB RAMP DETAILS

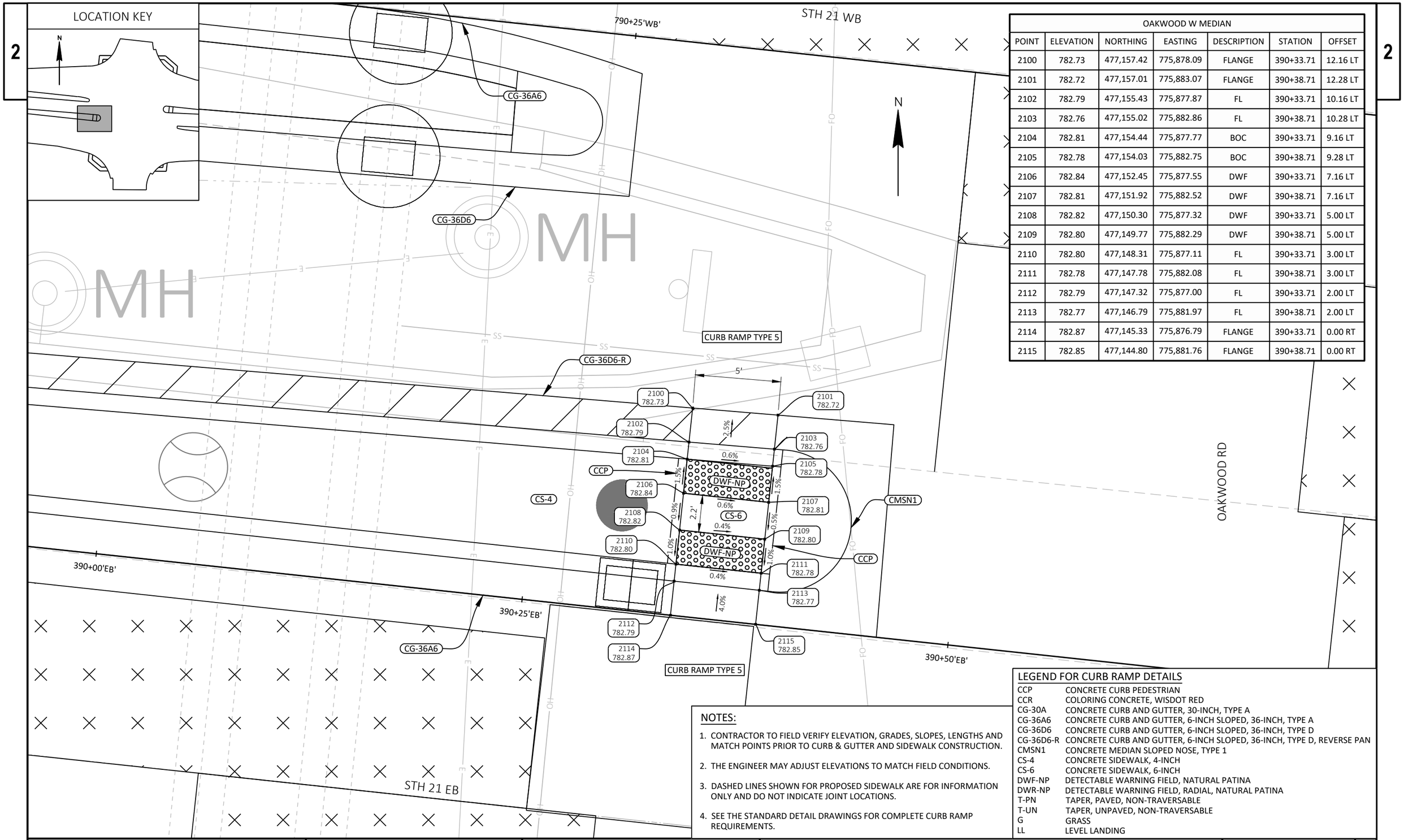
CCP	CONCRETE CURB PEDESTRIAN
CCR	COLORING CONCRETE, WISDOT RED
CG-30A	CONCRETE CURB AND GUTTER, 30-INCH, TYPE A
CG-36A6	CONCRETE CURB AND GUTTER, 6-INCH SLOPED, 36-INCH, TYPE A
CG-36D6	CONCRETE CURB AND GUTTER, 6-INCH SLOPED, 36-INCH, TYPE D
CG-36D6-R	CONCRETE CURB AND GUTTER, 6-INCH SLOPED, 36-INCH, TYPE D, REVERSE PAN
CMSN1	CONCRETE MEDIAN SLOPED NOSE, TYPE 1
CS-4	CONCRETE SIDEWALK, 4-INCH
CS-6	CONCRETE SIDEWALK, 6-INCH
DWF-NP	DETECTABLE WARNING FIELD, NATURAL PATINA
DWR-NP	DETECTABLE WARNING FIELD, RADIAL, NATURAL PATINA
T-PN	TAPER, PAVED, NON-TRAVERSABLE
T-UN	TAPER, UNPAVED, NON-TRAVERSABLE
G	GRASS
LL	LEVEL LANDING

PROJECT NO: 6180-31-71	HWY: STH 21	COUNTY: WINNEBAGO	CURB RAMP DETAILS - OAKWOOD RD	SHEET 52	E

FILE NAME : N:\3001455.00\CIVIL 3D\SHEETS\61803171-021302-CR.DWG
LAYOUT NAME - 61803171-021320-cr

PLOT DATE : 5/20/2025 11:36 AM PLOT BY : CRAIG KNUTH PLOT NAME : PLOT SCALE : 1 IN:5 FT

WISDOT/CADDS SHEET 42



OAKWOOD W MEDIAN						
POINT	ELEVATION	NORTHING	EASTING	DESCRIPTION	STATION	OFFSET
2100	782.73	477,157.42	775,878.09	FLANGE	390+33.71	12.16 LT
2101	782.72	477,157.01	775,883.07	FLANGE	390+38.71	12.28 LT
2102	782.79	477,155.43	775,877.87	FL	390+33.71	10.16 LT
2103	782.76	477,155.02	775,882.86	FL	390+38.71	10.28 LT
2104	782.81	477,154.44	775,877.77	BOC	390+33.71	9.16 LT
2105	782.78	477,154.03	775,882.75	BOC	390+38.71	9.28 LT
2106	782.84	477,152.45	775,877.55	DWF	390+33.71	7.16 LT
2107	782.81	477,151.92	775,882.52	DWF	390+38.71	7.16 LT
2108	782.82	477,150.30	775,877.32	DWF	390+33.71	5.00 LT
2109	782.80	477,149.77	775,882.29	DWF	390+38.71	5.00 LT
2110	782.80	477,148.31	775,877.11	FL	390+33.71	3.00 LT
2111	782.78	477,147.78	775,882.08	FL	390+38.71	3.00 LT
2112	782.79	477,147.32	775,877.00	FL	390+33.71	2.00 LT
2113	782.77	477,146.79	775,881.97	FL	390+38.71	2.00 LT
2114	782.87	477,145.33	775,876.79	FLANGE	390+33.71	0.00 RT
2115	782.85	477,144.80	775,881.76	FLANGE	390+38.71	0.00 RT

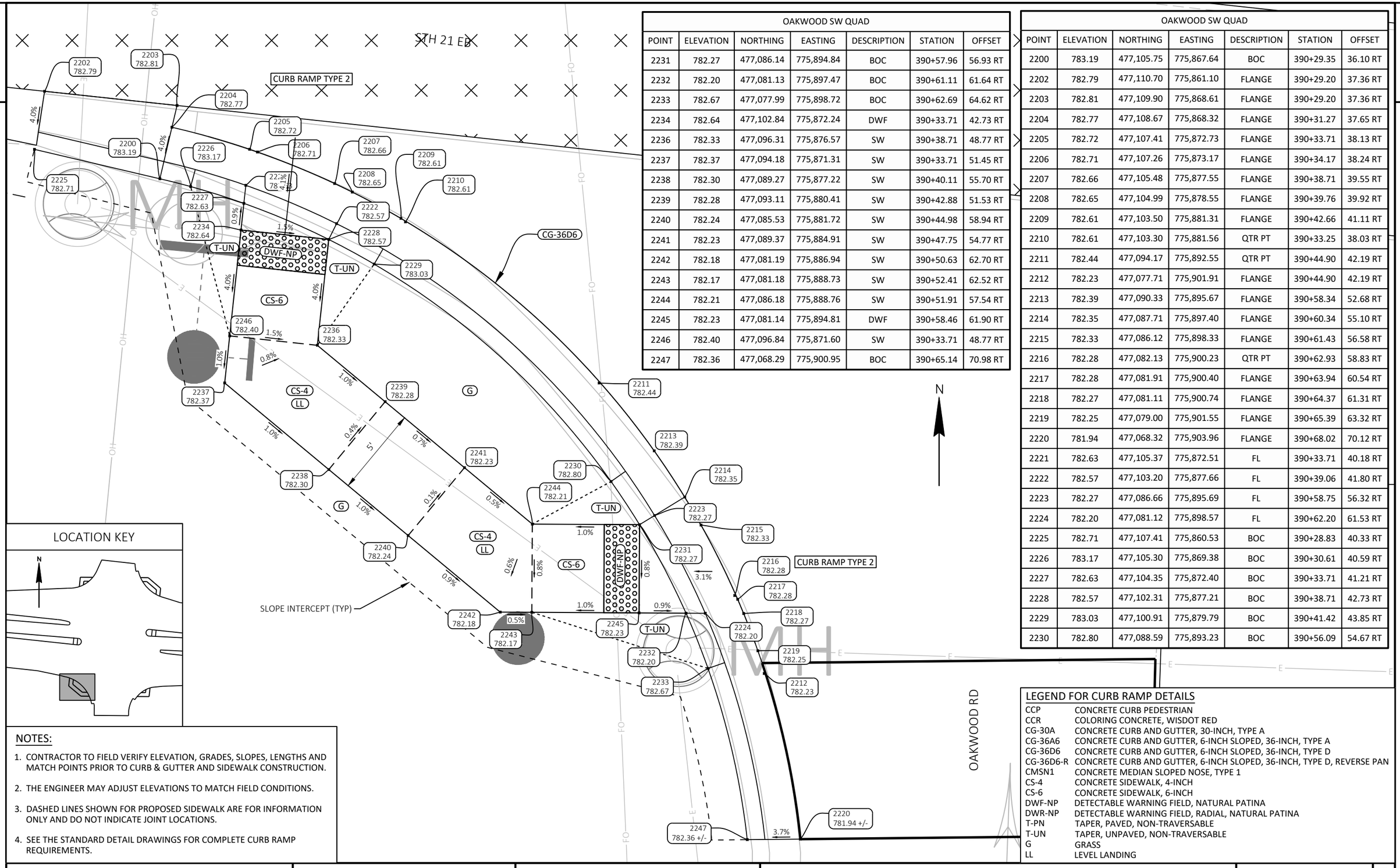
NOTES:

1. CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO CURB & GUTTER AND SIDEWALK CONSTRUCTION.
2. THE ENGINEER MAY ADJUST ELEVATIONS TO MATCH FIELD CONDITIONS.
3. DASHED LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATION ONLY AND DO NOT INDICATE JOINT LOCATIONS.
4. SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS.

LEGEND FOR CURB RAMP DETAILS

CCP	CONCRETE CURB PEDESTRIAN
CCR	COLORING CONCRETE, WISDOT RED
CG-30A	CONCRETE CURB AND GUTTER, 30-INCH, TYPE A
CG-36A6	CONCRETE CURB AND GUTTER, 6-INCH SLOPED, 36-INCH, TYPE A
CG-36D6	CONCRETE CURB AND GUTTER, 6-INCH SLOPED, 36-INCH, TYPE D
CG-36D6-R	CONCRETE CURB AND GUTTER, 6-INCH SLOPED, 36-INCH, TYPE D, REVERSE PAN
CMSN1	CONCRETE MEDIAN SLOPED NOSE, TYPE 1
CS-4	CONCRETE SIDEWALK, 4-INCH
CS-6	CONCRETE SIDEWALK, 6-INCH
DWF-NP	DETECTABLE WARNING FIELD, NATURAL PATINA
DWR-NP	DETECTABLE WARNING FIELD, RADIAL, NATURAL PATINA
T-PN	TAPER, PAVED, NON-TRAVERSABLE
T-UN	TAPER, UNPAVED, NON-TRAVERSABLE
G	GRASS
LL	LEVEL LANDING

PROJECT NO: 6180-31-71	HWY: STH 21	COUNTY: WINNEBAGO	CURB RAMP DETAILS - OAKWOOD RD	SHEET 53	E



OAKWOOD SW QUAD						
POINT	ELEVATION	NORTHING	EASTING	DESCRIPTION	STATION	OFFSET
2231	782.27	477,086.14	775,894.84	BOC	390+57.96	56.93 RT
2232	782.20	477,081.13	775,897.47	BOC	390+61.11	61.64 RT
2233	782.67	477,077.99	775,898.72	BOC	390+62.69	64.62 RT
2234	782.64	477,102.84	775,872.24	DWF	390+33.71	42.73 RT
2236	782.33	477,096.31	775,876.57	SW	390+38.71	48.77 RT
2237	782.37	477,094.18	775,871.31	SW	390+33.71	51.45 RT
2238	782.30	477,089.27	775,877.22	SW	390+40.11	55.70 RT
2239	782.28	477,093.11	775,880.41	SW	390+42.88	51.53 RT
2240	782.24	477,085.53	775,881.72	SW	390+44.98	58.94 RT
2241	782.23	477,089.37	775,884.91	SW	390+47.75	54.77 RT
2242	782.18	477,081.19	775,886.94	SW	390+50.63	62.70 RT
2243	782.17	477,081.18	775,888.73	SW	390+52.41	62.52 RT
2244	782.21	477,086.18	775,888.76	SW	390+51.91	57.54 RT
2245	782.23	477,081.14	775,894.81	DWF	390+58.46	61.90 RT
2246	782.40	477,096.84	775,871.60	SW	390+33.71	48.77 RT
2247	782.36	477,068.29	775,900.95	BOC	390+65.14	70.98 RT

OAKWOOD SW QUAD						
POINT	ELEVATION	NORTHING	EASTING	DESCRIPTION	STATION	OFFSET
2200	783.19	477,105.75	775,867.64	BOC	390+29.35	36.10 RT
2202	782.79	477,110.70	775,861.10	FLANGE	390+29.20	37.36 RT
2203	782.81	477,109.90	775,868.61	FLANGE	390+29.20	37.36 RT
2204	782.77	477,108.67	775,868.32	FLANGE	390+31.27	37.65 RT
2205	782.72	477,107.41	775,872.73	FLANGE	390+33.71	38.13 RT
2206	782.71	477,107.26	775,873.17	FLANGE	390+34.17	38.24 RT
2207	782.66	477,105.48	775,877.55	FLANGE	390+38.71	39.55 RT
2208	782.65	477,104.99	775,878.55	FLANGE	390+39.76	39.92 RT
2209	782.61	477,103.50	775,881.31	FLANGE	390+42.66	41.11 RT
2210	782.61	477,103.30	775,881.56	QTR PT	390+33.25	38.03 RT
2211	782.44	477,094.17	775,892.55	QTR PT	390+44.90	42.19 RT
2212	782.23	477,077.71	775,901.91	FLANGE	390+44.90	42.19 RT
2213	782.39	477,090.33	775,895.67	FLANGE	390+58.34	52.68 RT
2214	782.35	477,087.71	775,897.40	FLANGE	390+60.34	55.10 RT
2215	782.33	477,086.12	775,898.33	FLANGE	390+61.43	56.58 RT
2216	782.28	477,082.13	775,900.23	QTR PT	390+62.93	58.83 RT
2217	782.28	477,081.91	775,900.40	FLANGE	390+63.94	60.54 RT
2218	782.27	477,081.11	775,900.74	FLANGE	390+64.37	61.31 RT
2219	782.25	477,079.00	775,901.55	FLANGE	390+65.39	63.32 RT
2220	781.94	477,068.32	775,903.96	FLANGE	390+68.02	70.12 RT
2221	782.63	477,105.37	775,872.51	FL	390+33.71	40.18 RT
2222	782.57	477,103.20	775,877.66	FL	390+39.06	41.80 RT
2223	782.27	477,086.66	775,895.69	FL	390+58.75	56.32 RT
2224	782.20	477,081.12	775,898.57	FL	390+62.20	61.53 RT
2225	782.71	477,107.41	775,860.53	BOC	390+28.83	40.33 RT
2226	783.17	477,105.30	775,869.38	BOC	390+30.61	40.59 RT
2227	782.63	477,104.35	775,872.40	BOC	390+33.71	41.21 RT
2228	782.57	477,102.31	775,877.21	BOC	390+38.71	42.73 RT
2229	783.03	477,100.91	775,879.79	BOC	390+41.42	43.85 RT
2230	782.80	477,088.59	775,893.23	BOC	390+56.09	54.67 RT

LOCATION KEY

NOTES:

1. CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO CURB & GUTTER AND SIDEWALK CONSTRUCTION.
2. THE ENGINEER MAY ADJUST ELEVATIONS TO MATCH FIELD CONDITIONS.
3. DASHED LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATION ONLY AND DO NOT INDICATE JOINT LOCATIONS.
4. SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS.

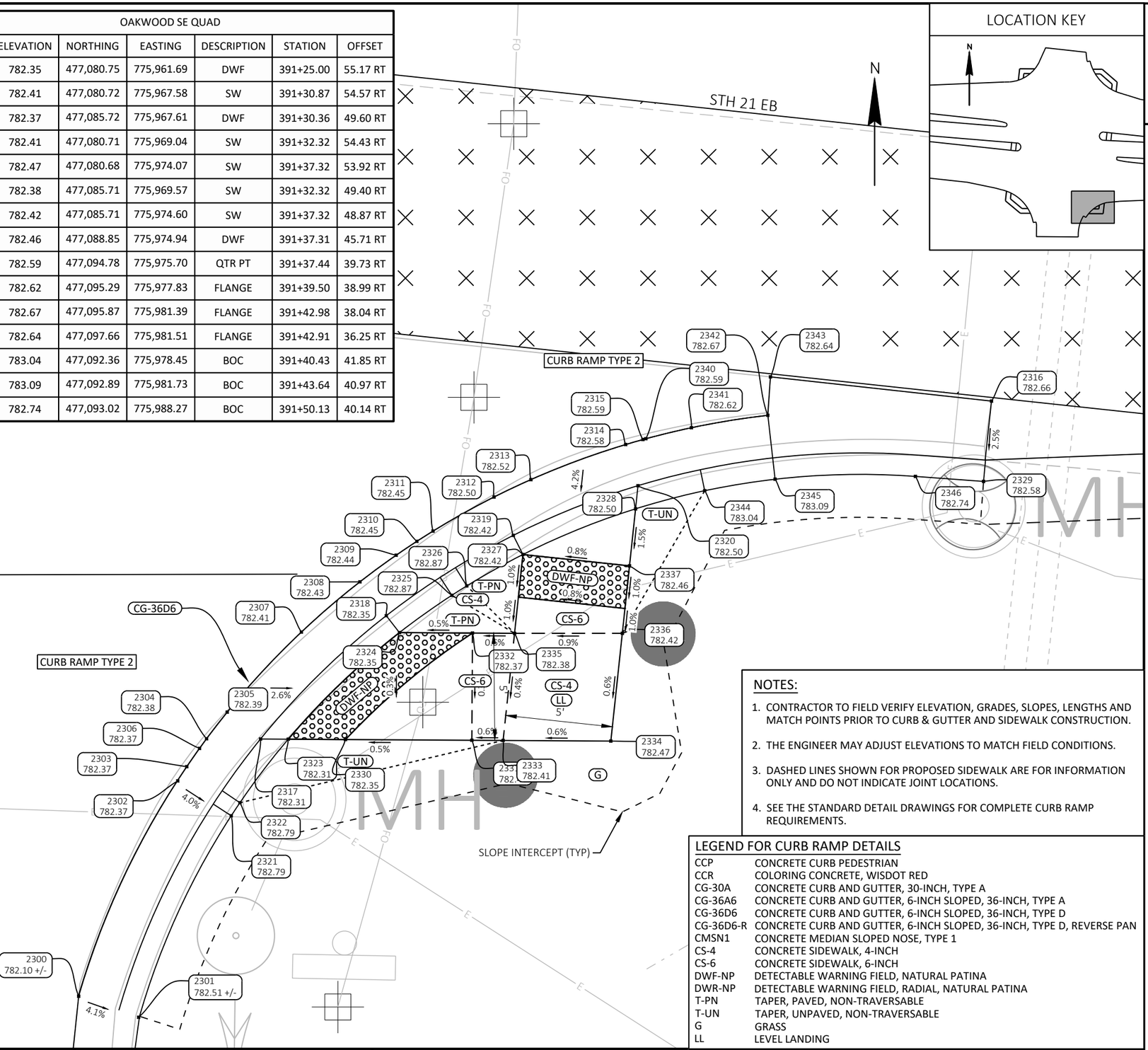
LEGEND FOR CURB RAMP DETAILS

CCP	CONCRETE CURB PEDESTRIAN
CCR	COLORING CONCRETE, WISDOT RED
CG-30A	CONCRETE CURB AND GUTTER, 30-INCH, TYPE A
CG-36A6	CONCRETE CURB AND GUTTER, 6-INCH SLOPED, 36-INCH, TYPE A
CG-36D6	CONCRETE CURB AND GUTTER, 6-INCH SLOPED, 36-INCH, TYPE D
CG-36D6-R	CONCRETE CURB AND GUTTER, 6-INCH SLOPED, 36-INCH, TYPE D, REVERSE PAN
CMSN1	CONCRETE MEDIAN SLOPED NOSE, TYPE 1
CS-4	CONCRETE SIDEWALK, 4-INCH
CS-6	CONCRETE SIDEWALK, 6-INCH
DWF-NP	DETECTABLE WARNING FIELD, NATURAL PATINA
DWR-NP	DETECTABLE WARNING FIELD, RADIAL, NATURAL PATINA
T-PN	TAPER, PAVED, NON-TRAVERSABLE
T-UN	TAPER, UNPAVED, NON-TRAVERSABLE
G	GRASS
LL	LEVEL LANDING

PROJECT NO: 6180-31-71	HWY: STH 21	COUNTY: WINNEBAGO	CURB RAMP DETAILS - OAKWOOD RD	SHEET 54	E

OAKWOOD SE QUAD						
POINT	ELEVATION	NORTHING	EASTING	DESCRIPTION	STATION	OFFSET
2300	782.10	477,068.79	775,949.24	FLANGE	391+13.90	68.39 RT
2301	782.51	477,067.81	775,952.04	BOC	391+16.79	69.07 RT
2302	782.37	477,078.82	775,953.86	FLANGE	391+17.43	57.92 RT
2303	782.37	477,079.49	775,954.29	FLANGE	391+17.78	57.21 RT
2304	782.38	477,080.79	775,955.21	FLANGE	391+18.56	55.82 RT
2305	782.39	477,082.03	775,956.17	FLANGE	391+19.38	54.48 RT
2306	782.37	477,080.34	775,954.88	QTR PT	391+18.28	56.31 RT
2307	782.41	477,085.77	775,959.63	FLANGE	391+22.42	50.40 RT
2308	782.43	477,088.11	775,962.36	FLANGE	391+24.89	47.79 RT
2309	782.44	477,089.35	775,964.05	QTR PT	391+26.44	46.37 RT
2310	782.45	477,090.00	775,965.02	FLANGE	391+27.33	45.63 RT
2311	782.45	477,090.47	775,965.77	FLANGE	391+28.03	45.07 RT
2312	782.50	477,092.06	775,968.62	FLANGE	391+30.69	43.19 RT
2313	782.52	477,092.87	775,970.34	FLANGE	391+32.31	42.20 RT
2314	782.58	477,094.51	775,974.76	FLANGE	391+36.53	40.10 RT
2315	782.59	477,094.74	775,975.56	FLANGE	391+37.31	39.78 RT
2316	782.66	477,096.54	775,991.82	FLANGE	391+53.29	36.27 RT
2317	782.31	477,080.78	775,957.73	FL	391+21.06	55.57 RT
2318	782.35	477,086.53	775,963.59	FL	391+26.28	49.22 RT
2319	782.42	477,090.28	775,969.51	FL	391+31.77	44.87 RT
2320	782.50	477,092.59	775,975.33	FL	391+37.31	41.95 RT
2321	782.79	477,077.20	775,956.36	BOC	391+20.08	59.27 RT
2322	782.79	477,077.81	775,956.76	BOC	391+20.42	58.62 RT
2323	782.31	477,080.77	775,959.02	BOC	391+22.35	55.44 RT
2324	782.35	477,085.74	775,964.20	BOC	391+26.97	49.94 RT
2325	782.87	477,087.48	775,966.65	BOC	391+29.22	47.95 RT
2326	782.87	477,087.92	775,967.35	BOC	391+29.86	47.44 RT
2327	782.42	477,089.38	775,969.96	BOC	391+32.31	45.71 RT
2328	782.50	477,091.51	775,975.22	BOC	391+37.31	43.03 RT
2329	782.58	477,092.79	775,991.45	BOC	391+53.32	40.03 RT

OAKWOOD SE QUAD						
POINT	ELEVATION	NORTHING	EASTING	DESCRIPTION	STATION	OFFSET
2330	782.35	477,080.75	775,961.69	DWF	391+25.00	55.17 RT
2331	782.41	477,080.72	775,967.58	SW	391+30.87	54.57 RT
2332	782.37	477,085.72	775,967.61	DWF	391+30.36	49.60 RT
2333	782.41	477,080.71	775,969.04	SW	391+32.32	54.43 RT
2334	782.47	477,080.68	775,974.07	SW	391+37.32	53.92 RT
2335	782.38	477,085.71	775,969.57	SW	391+32.32	49.40 RT
2336	782.42	477,085.71	775,974.60	SW	391+37.32	48.87 RT
2337	782.46	477,088.85	775,974.94	DWF	391+37.31	45.71 RT
2340	782.59	477,094.78	775,975.70	QTR PT	391+37.44	39.73 RT
2341	782.62	477,095.29	775,977.83	FLANGE	391+39.50	38.99 RT
2342	782.67	477,095.87	775,981.39	FLANGE	391+42.98	38.04 RT
2343	782.64	477,097.66	775,981.51	FLANGE	391+42.91	36.25 RT
2344	783.04	477,092.36	775,978.45	BOC	391+40.43	41.85 RT
2345	783.09	477,092.89	775,981.73	BOC	391+43.64	40.97 RT
2346	782.74	477,093.02	775,988.27	BOC	391+50.13	40.14 RT



RADIAL DETECTABLE WARNING FIELD			
BOC RADIUS	LANDING LENGTH	AREA	LONG CHORD
FT	FT	SF	FT
35	8.5	14.9	7.2

NOTES:

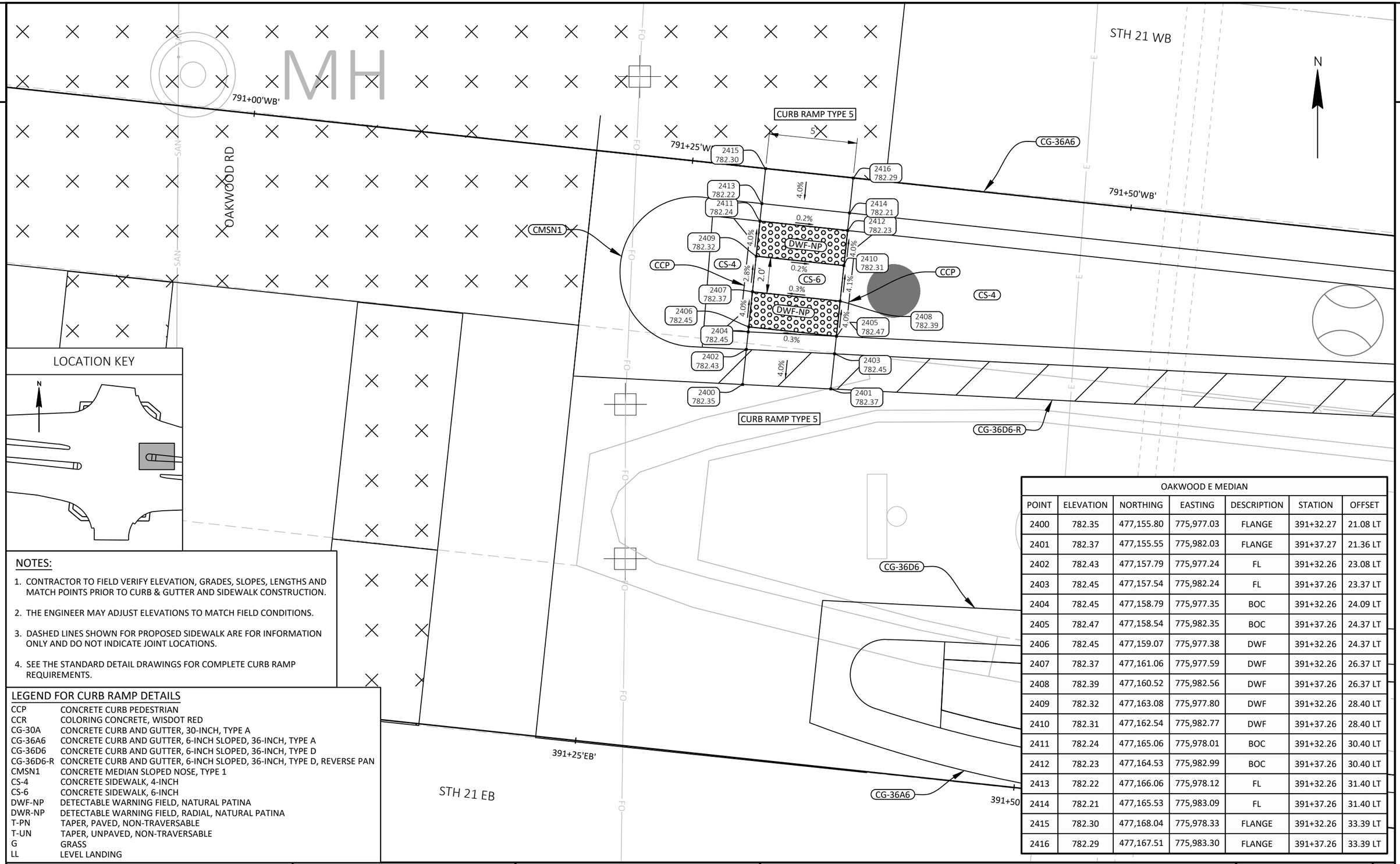
1. CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO CURB & GUTTER AND SIDEWALK CONSTRUCTION.
2. THE ENGINEER MAY ADJUST ELEVATIONS TO MATCH FIELD CONDITIONS.
3. DASHED LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATION ONLY AND DO NOT INDICATE JOINT LOCATIONS.
4. SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS.

LEGEND FOR CURB RAMP DETAILS

CCP	CONCRETE CURB PEDESTRIAN
CCR	COLORING CONCRETE, WISDOT RED
CG-30A	CONCRETE CURB AND GUTTER, 30-INCH, TYPE A
CG-36A6	CONCRETE CURB AND GUTTER, 6-INCH SLOPED, 36-INCH, TYPE A
CG-36D6	CONCRETE CURB AND GUTTER, 6-INCH SLOPED, 36-INCH, TYPE D
CG-36D6-R	CONCRETE CURB AND GUTTER, 6-INCH SLOPED, 36-INCH, TYPE D, REVERSE PAN
CMSN1	CONCRETE MEDIAN SLOPED NOSE, TYPE 1
CS-4	CONCRETE SIDEWALK, 4-INCH
CS-6	CONCRETE SIDEWALK, 6-INCH
DWF-NP	DETECTABLE WARNING FIELD, NATURAL PATINA
DWR-NP	DETECTABLE WARNING FIELD, RADIAL, NATURAL PATINA
T-PN	TAPER, PAVED, NON-TRAVERSABLE
T-UN	TAPER, UNPAVED, NON-TRAVERSABLE
G	GRASS
LL	LEVEL LANDING

MH

PROJECT NO: 6180-31-71	HWY: STH 21	COUNTY: WINNEBAGO	CURB RAMP DETAILS - OAKWOOD RD	SHEET 55	E



LOCATION KEY

NOTES:

1. CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO CURB & GUTTER AND SIDEWALK CONSTRUCTION.
2. THE ENGINEER MAY ADJUST ELEVATIONS TO MATCH FIELD CONDITIONS.
3. DASHED LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATION ONLY AND DO NOT INDICATE JOINT LOCATIONS.
4. SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS.

LEGEND FOR CURB RAMP DETAILS

CCP	CONCRETE CURB PEDESTRIAN
CCR	COLORING CONCRETE, WISDOT RED
CG-30A	CONCRETE CURB AND GUTTER, 30-INCH, TYPE A
CG-36A6	CONCRETE CURB AND GUTTER, 6-INCH SLOPED, 36-INCH, TYPE A
CG-36D6	CONCRETE CURB AND GUTTER, 6-INCH SLOPED, 36-INCH, TYPE D
CG-36D6-R	CONCRETE CURB AND GUTTER, 6-INCH SLOPED, 36-INCH, TYPE D, REVERSE PAN
CMSN1	CONCRETE MEDIAN SLOPED NOSE, TYPE 1
CS-4	CONCRETE SIDEWALK, 4-INCH
CS-6	CONCRETE SIDEWALK, 6-INCH
DWF-NP	DETECTABLE WARNING FIELD, NATURAL PATINA
DWR-NP	DETECTABLE WARNING FIELD, RADIAL, NATURAL PATINA
T-PN	TAPER, PAVED, NON-TRAVERSABLE
T-UN	TAPER, UNPAVED, NON-TRAVERSABLE
G	GRASS
LL	LEVEL LANDING

OAKWOOD E MEDIAN

POINT	ELEVATION	NORTHING	EASTING	DESCRIPTION	STATION	OFFSET
2400	782.35	477,155.80	775,977.03	FLANGE	391+32.27	21.08 LT
2401	782.37	477,155.55	775,982.03	FLANGE	391+37.27	21.36 LT
2402	782.43	477,157.79	775,977.24	FL	391+32.26	23.08 LT
2403	782.45	477,157.54	775,982.24	FL	391+37.26	23.37 LT
2404	782.45	477,158.79	775,977.35	BOC	391+32.26	24.09 LT
2405	782.47	477,158.54	775,982.35	BOC	391+37.26	24.37 LT
2406	782.45	477,159.07	775,977.38	DWF	391+32.26	24.37 LT
2407	782.37	477,161.06	775,977.59	DWF	391+32.26	26.37 LT
2408	782.39	477,160.52	775,982.56	DWF	391+37.26	26.37 LT
2409	782.32	477,163.08	775,977.80	DWF	391+32.26	28.40 LT
2410	782.31	477,162.54	775,982.77	DWF	391+37.26	28.40 LT
2411	782.24	477,165.06	775,978.01	BOC	391+32.26	30.40 LT
2412	782.23	477,164.53	775,982.99	BOC	391+37.26	30.40 LT
2413	782.22	477,166.06	775,978.12	FL	391+32.26	31.40 LT
2414	782.21	477,165.53	775,983.09	FL	391+37.26	31.40 LT
2415	782.30	477,168.04	775,978.33	FLANGE	391+32.26	33.39 LT
2416	782.29	477,167.51	775,983.30	FLANGE	391+37.26	33.39 LT

PROJECT NO: 6180-31-71	HWY: STH 21	COUNTY: WINNEBAGO	CURB RAMP DETAILS - OAKWOOD RD	SHEET 56 E

FILE NAME : N:\3001455.00\CIVIL 3D\SHEETS\61803171-021302-CR.DWG
LAYOUT NAME - 61803171-021324-cr
PLOT DATE : 5/20/2025 11:36 AM
PLOT BY : CRAIG KNUTH
PLOT NAME :
PLOT SCALE : 1 IN:5 FT
WISDOT/CADDS SHEET 42

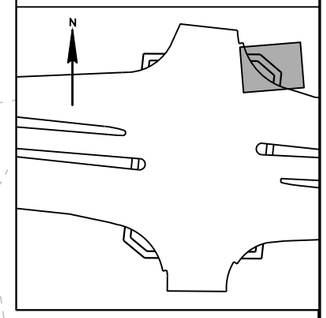
LEGEND FOR CURB RAMP DETAILS

CCP	CONCRETE CURB PEDESTRIAN
CCR	COLORING CONCRETE, WISDOT RED
CG-30A	CONCRETE CURB AND GUTTER, 30-INCH, TYPE A
CG-36A6	CONCRETE CURB AND GUTTER, 6-INCH SLOPED, 36-INCH, TYPE A
CG-36D6	CONCRETE CURB AND GUTTER, 6-INCH SLOPED, 36-INCH, TYPE D
CG-36D6-R	CONCRETE CURB AND GUTTER, 6-INCH SLOPED, 36-INCH, TYPE D, REVERSE PAN
CMSN1	CONCRETE MEDIAN SLOPED NOSE, TYPE 1
CS-4	CONCRETE SIDEWALK, 4-INCH
CS-6	CONCRETE SIDEWALK, 6-INCH
DWF-NP	DETECTABLE WARNING FIELD, NATURAL PATINA
DWR-NP	DETECTABLE WARNING FIELD, RADIAL, NATURAL PATINA
T-PN	TAPER, PAVED, NON-TRAVERSABLE
T-UN	TAPER, UNPAVED, NON-TRAVERSABLE
G	GRASS
LL	LEVEL LANDING

NOTES:

1. CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO CURB & GUTTER AND SIDEWALK CONSTRUCTION.
2. THE ENGINEER MAY ADJUST ELEVATIONS TO MATCH FIELD CONDITIONS.
3. DASHED LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATION ONLY AND DO NOT INDICATE JOINT LOCATIONS.
4. SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS.

LOCATION KEY



OAKWOOD RD

CURB RAMP TYPE 2

CURB RAMP TYPE 2

CG-36D6

SLOPE INTERCEPT (TYP)

STH 21 WB

PROJECT NO: 6180-31-71	HWY: STH 21	COUNTY: WINNEBAGO	CURB RAMP DETAILS - OAKWOOD RD	SHEET 57	E

FILE NAME : N:\3001455.00\CIVIL 3D\SHEETS\61803171-021302-CR.DWG
LAYOUT NAME - 61803171-021325-cr

PLOT DATE : 5/20/2025 11:36 AM PLOT BY : CRAIG KNUTH PLOT NAME : PLOT SCALE : 1 IN:5 FT

OAKWOOD NE QUAD						
POINT	ELEVATION	NORTHING	EASTING	DESCRIPTION	STATION	OFFSET
2501	781.52	477,233.14	775,959.57	QTR PT	391+06.93	95.65 LT
2502	781.02	477,250.44	775,956.01	FLANGE	391+03.57	103.26 LT
2503	781.49	477,235.12	775,958.82	FLANGE	391+05.71	98.02 LT
2504	781.50	477,234.73	775,958.96	FLANGE	391+05.89	97.64 LT
2505	781.53	477,232.64	775,959.77	FLANGE	391+06.93	95.65 LT
2506	781.54	477,231.83	775,960.12	FLANGE	391+07.36	94.88 LT
2507	781.61	477,227.63	775,962.20	FLANGE	391+09.87	90.92 LT
2509	781.64	477,226.05	775,963.11	FLANGE	391+10.95	89.45 LT
2510	781.68	477,224.18	775,964.31	FLANGE	391+12.34	87.72 LT
2511	781.69	477,223.37	775,964.86	FLANGE	391+12.97	86.98 LT
2512	781.79	477,218.22	775,969.00	QTR PT	391+21.61	79.16 LT
2513	781.98	477,210.10	775,978.72	FLANGE	391+28.16	75.25 LT
2514	781.99	477,209.79	775,979.20	FLANGE	391+28.68	75.00 LT
2515	782.01	477,208.47	775,981.47	FLANGE	391+31.07	73.93 LT
2516	782.02	477,207.88	775,982.57	FLANGE	391+32.23	73.46 LT
2517	782.02	477,207.60	775,983.12	QTR PT	391+35.30	72.39 LT
2518	782.05	477,205.93	775,986.84	FLANGE	391+36.69	71.97 LT
2519	782.06	477,205.73	775,987.37	FLANGE	391+37.23	71.83 LT
2520	782.07	477,205.06	775,989.19	FLANGE	391+39.11	71.36 LT
2521	782.07	477,204.86	775,989.78	FLANGE	391+39.50	71.28 LT

OAKWOOD NE QUAD						
POINT	ELEVATION	NORTHING	EASTING	DESCRIPTION	STATION	OFFSET
2522	782.07	477,204.63	775,990.51	FLANGE	391+43.75	70.54 LT
2523	782.05	477,202.20	776,000.06	FLANGE	391+50.19	70.15 LT
2524	781.46	477,232.63	775,961.95	FL	391+09.09	95.87 LT
2525	781.56	477,227.09	775,964.82	FL	391+12.54	90.67 LT
2526	781.93	477,210.22	775,982.43	FL	391+31.84	75.77 LT
2527	781.97	477,207.79	775,987.59	FL	391+37.23	73.90 LT
2528	780.96	477,250.50	775,959.03	BOC	391+06.41	104.23 LT
2529	781.92	477,235.75	775,961.78	BOC	391+08.59	98.96 LT
2530	781.47	477,232.62	775,963.05	BOC	391+10.19	95.98 LT
2531	781.56	477,227.60	775,965.68	BOC	391+13.33	91.27 LT
2532	782.11	477,225.09	775,967.32	BOC	391+15.23	88.95 LT
2533	782.40	477,212.63	775,980.33	BOC	391+29.50	77.94 LT
2534	781.93	477,211.10	775,982.91	BOC	391+32.23	76.69 LT
2535	781.97	477,208.82	775,987.70	BOC	391+37.23	74.94 LT
2536	782.49	477,207.71	775,990.72	BOC	391+40.35	74.16 LT
2537	782.48	477,206.68	775,994.41	BOC	391+44.13	73.52 LT
2538	781.97	477,204.97	776,000.16	BOC	391+50.03	72.43 LT
2539	781.51	477,232.60	775,965.71	DWF	391+12.83	96.25 LT
2540	781.48	477,232.59	775,967.71	DWF	391+14.82	96.45 LT
2541	781.53	477,227.59	775,967.68	DWF	391+15.32	91.47 LT

OAKWOOD NE QUAD						
POINT	ELEVATION	NORTHING	EASTING	DESCRIPTION	STATION	OFFSET
2542	781.43	477,232.57	775,971.22	SW	391+18.31	96.80 LT
2543	781.48	477,227.57	775,971.19	SW	391+18.81	91.83 LT
2544	781.41	477,232.56	775,973.06	SW	391+20.15	96.99 LT
2545	781.55	477,224.30	775,974.97	SW	391+22.93	88.98 LT
2546	781.51	477,228.09	775,978.24	SW	391+25.77	93.09 LT
2547	781.65	477,220.18	775,979.75	SW	391+28.11	85.39 LT
2548	781.61	477,223.97	775,983.01	SW	391+30.96	89.50 LT
2549	781.72	477,218.99	775,988.78	SW	391+37.22	85.16 LT
2550	781.69	477,216.91	775,983.53	SW	391+32.22	82.54 LT
2551	781.76	477,216.38	775,988.50	SW	391+37.22	82.55 LT
2552	781.85	477,213.09	775,983.12	DWF	391+32.23	78.69 LT
2553	781.92	477,212.56	775,988.09	DWF	391+37.23	78.70 LT
2554	782.00	477,210.57	775,987.88	DWF	391+37.23	76.70 LT
2556	781.40	477,240.25	775,957.36	FLANGE	391+05.71	98.02 LT
2557	781.82	477,240.92	775,960.24	BOC	391+05.71	98.02 LT
2558	782.08	477,203.27	775,990.31	FLANGE	391+43.75	70.54 LT

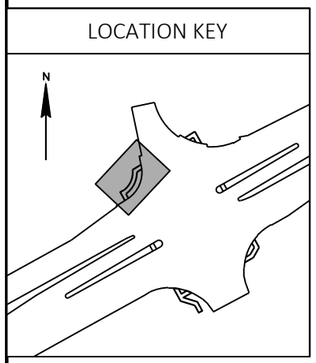
FO FO FO FO FO FO

2

LEGEND FOR CURB RAMP DETAILS

CCP	CONCRETE CURB PEDESTRIAN
CCR	COLORING CONCRETE, WISDOT RED
CG-30A	CONCRETE CURB AND GUTTER, 30-INCH, TYPE A
CG-36A6	CONCRETE CURB AND GUTTER, 6-INCH SLOPED, 36-INCH, TYPE A
CG-36D6	CONCRETE CURB AND GUTTER, 6-INCH SLOPED, 36-INCH, TYPE D
CG-36D6-R	CONCRETE CURB AND GUTTER, 6-INCH SLOPED, 36-INCH, TYPE D, REVERSE PAN
CMSN1	CONCRETE MEDIAN SLOPED NOSE, TYPE 1
CS-4	CONCRETE SIDEWALK, 4-INCH
CS-6	CONCRETE SIDEWALK, 6-INCH
DWF-NP	DETECTABLE WARNING FIELD, NATURAL PATINA
DWR-NP	DETECTABLE WARNING FIELD, RADIAL, NATURAL PATINA
T-PN	TAPER, PAVED, NON-TRAVERSABLE
T-UN	TAPER, UNPAVED, NON-TRAVERSABLE
G	GRASS
LL	LEVEL LANDING

LOCATION KEY



SLOPE INTERCEPT (TYP)

STH 21 WB

WESTHAVEN DR

CURB RAMP TYPE 2

CURB RAMP TYPE 2

CG-36D6

3000 774.62
3004 774.88
3005 774.81
3006 774.79
3007 774.78
3008 774.75
3009 774.71
3010 774.71
3011 774.71
3012 774.64
3013 774.56
3014 774.25
3015 773.84
3016 773.56
3017 773.53
3018 773.48
3019 773.43
3020 773.41
3021 773.36
3022 773.33
3023 773.12
3024 774.67
3025 774.62
3026 773.48
3027 773.35
3028 774.80
3029 775.23
3030 775.20
3031 774.67
3032 774.62
3033 775.08
3034 774.09
3035 773.48
3036 773.36
3037 773.67
3038 773.75
3039 773.04
3040 774.67
3041 774.57
3042 774.51
3043 774.36
3044 774.30
3045 774.28
3046 774.23
3047 773.86
3048 773.86
3049 773.42
3050 773.45
3051 773.38
3052 773.40
3053 773.38
3054 773.30
3055 773.44
3056 773.36
3057 773.40
3058 774.05
3059 774.08
3060 773.66
3061 773.64

NOTES:

1. CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO CURB & GUTTER AND SIDEWALK CONSTRUCTION.
2. THE ENGINEER MAY ADJUST ELEVATIONS TO MATCH FIELD CONDITIONS.
3. DASHED LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATION ONLY AND DO NOT INDICATE JOINT LOCATIONS.
4. SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS.

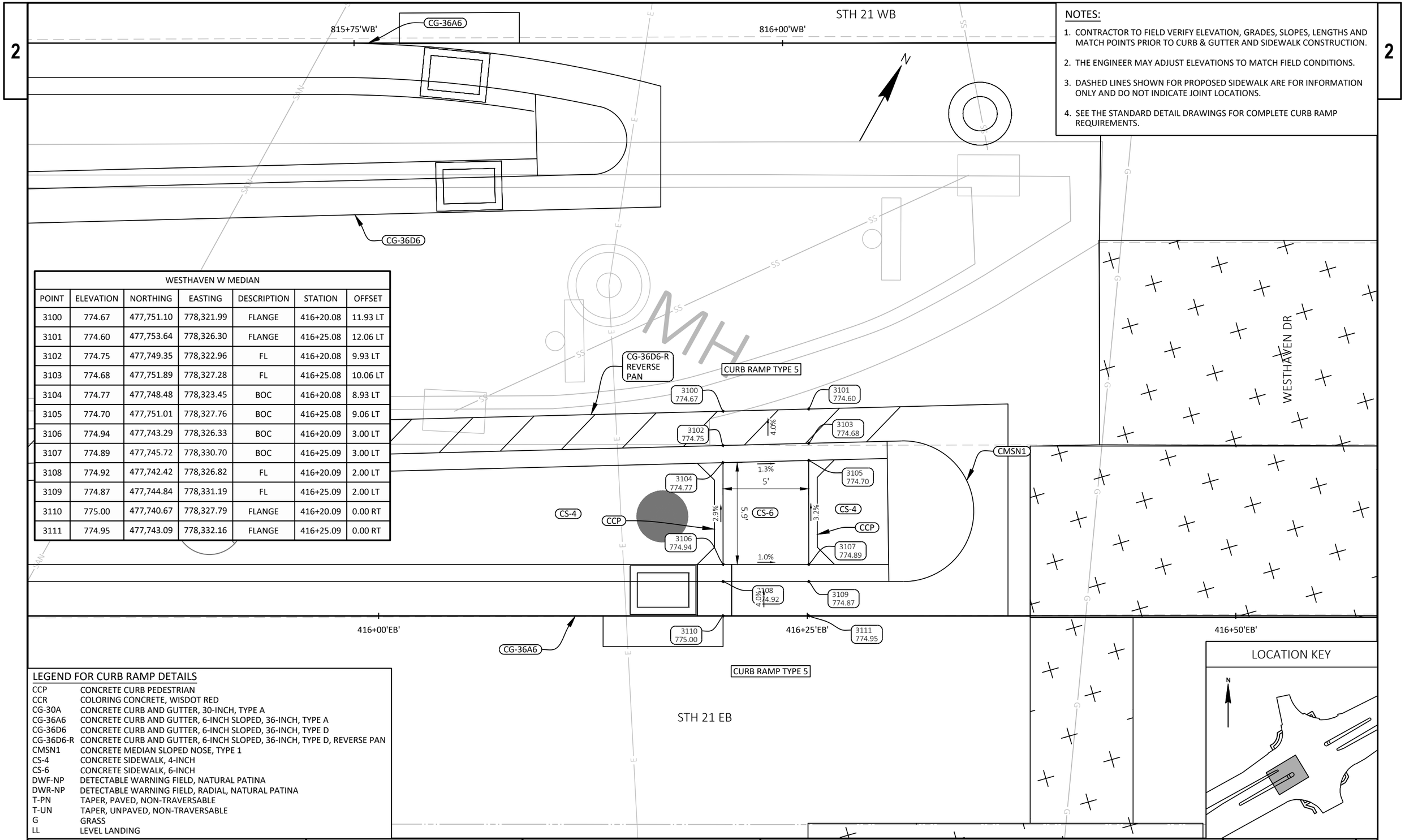
PROJECT NO: 6180-31-71	HWY: STH 21	COUNTY: WINNEBAGO	CURB RAMP DETAILS - WESTHAVEN DR	SHEET 59	E

FILE NAME : N:\3001455.00\CIVIL 3D\SHEETS\61803171-021302-CR.DWG
LAYOUT NAME - 61803171-021330-cr
PLOT DATE : 5/20/2025 11:37 AM PLOT BY : CRAIG KNUTH PLOT NAME : PLOT SCALE : 1 IN:5 FT
WISDOT/CADDS SHEET 42

WESTHAVEN NW QUAD						
POINT	ELEVATION	NORTHING	EASTING	DESCRIPTION	STATION	OFFSET
3000	774.62	477,807.00	778,304.59	FLANGE	416+31.94	69.27 LT
3004	774.88	477,793.56	778,285.07	FLANGE	416+08.36	66.96 LT
3005	774.81	477,796.78	778,290.13	FLANGE	416+14.34	67.33 LT
3006	774.79	477,798.08	778,292.17	FLANGE	416+16.76	67.48 LT
3007	774.78	477,798.35	778,292.61	FLANGE	416+17.27	67.51 LT
3008	774.75	477,799.87	778,294.98	FLANGE	416+20.08	67.68 LT
3009	774.71	477,801.88	778,298.14	FLANGE	416+23.82	67.91 LT
3010	774.71	477,802.50	778,299.24	FLANGE	416+25.08	67.91 LT
3011	774.71	477,802.65	778,299.51	FLANGE	416+25.39	67.92 LT
3012	774.64	477,805.87	778,305.23	FLANGE	416+31.96	67.96 LT
3013	774.56	477,809.81	778,307.23	QTR PT	416+35.61	70.44 LT
3014	774.25	477,820.07	778,313.57	QTR PT	416+46.14	76.34 LT
3015	773.84	477,831.75	778,316.59	QTR PT	416+54.44	85.10 LT
3016	773.56	477,840.13	778,316.58	FLANGE	416+58.49	92.43 LT
3017	773.53	477,841.55	778,316.41	FLANGE	416+59.02	93.75 LT
3018	773.48	477,843.80	778,316.02	FLANGE	416+59.78	95.92 LT
3019	773.43	477,846.08	778,315.56	FLANGE	416+60.48	98.13 LT
3020	773.41	477,846.81	778,315.42	FLANGE	416+60.70	98.84 LT
3021	773.36	477,848.66	778,315.05	FLANGE	416+61.28	100.64 LT
3022	773.33	477,849.98	778,314.78	FLANGE	416+61.69	101.92 LT

WESTHAVEN NW QUAD						
POINT	ELEVATION	NORTHING	EASTING	DESCRIPTION	STATION	OFFSET
3023	773.12	477,855.87	778,313.60	FLANGE	416+63.51	107.64 LT
3024	774.67	477,801.62	778,294.01	FL	416+20.08	69.68 LT
3025	774.62	477,804.39	778,298.31	FL	416+25.18	70.02 LT
3026	773.48	477,839.92	778,314.59	FL	416+56.65	93.21 LT
3027	773.35	477,845.69	778,313.60	FL	416+58.57	98.74 LT
3028	774.80	477,796.09	778,283.46	BOC	416+08.17	69.96 LT
3029	775.23	477,799.31	778,288.52	BOC	416+14.16	70.32 LT
3030	775.20	477,800.89	778,291.00	BOC	416+17.09	70.50 LT
3031	774.67	477,802.50	778,293.53	BOC	416+20.08	70.68 LT
3032	774.62	477,805.21	778,297.74	BOC	416+25.08	71.02 LT
3033	775.08	477,807.02	778,300.13	BOC	416+28.05	71.44 LT
3034	774.09	477,836.82	778,313.79	BOC	416+54.45	90.89 LT
3035	773.48	477,839.82	778,313.60	BOC	416+55.72	93.60 LT
3036	773.36	477,845.13	778,312.69	BOC	416+57.51	98.69 LT
3037	773.67	477,848.07	778,312.10	BOC	416+58.42	101.55 LT
3038	773.75	477,849.40	778,311.84	BOC	416+58.83	102.83 LT
3039	773.04	477,855.28	778,310.66	BOC	416+60.65	108.55 LT
3040	774.67	477,802.79	778,293.36	DWF	416+20.08	71.02 LT
3041	774.57	477,804.54	778,292.40	DWF	416+20.08	73.02 LT
3042	774.51	477,806.96	778,296.77	DWF	416+25.08	73.02 LT

WESTHAVEN NW QUAD						
POINT	ELEVATION	NORTHING	EASTING	DESCRIPTION	STATION	OFFSET
3043	774.36	477,808.07	778,290.44	SW	416+20.08	77.05 LT
3044	774.30	477,810.49	778,294.81	SW	416+25.08	77.05 LT
3045	774.28	477,812.48	778,288.00	SW	416+20.08	82.10 LT
3046	774.23	477,814.90	778,292.37	SW	416+25.08	82.10 LT
3047	773.86	477,820.60	778,303.82	SW	416+37.86	81.53 LT
3048	773.86	477,823.04	778,299.46	SW	416+35.23	85.78 LT
3049	773.42	477,833.57	778,307.72	SW	416+47.56	90.99 LT
3050	773.45	477,833.94	778,302.73	SW	416+43.37	93.73 LT
3051	773.38	477,838.94	778,302.63	SW	416+45.70	98.15 LT
3052	773.40	477,836.25	778,307.80	SW	416+48.93	93.29 LT
3053	773.38	477,837.30	778,309.51	SW	416+50.93	93.38 LT
3054	773.30	477,841.56	778,306.89	SW	416+50.70	98.38 LT
3055	773.44	477,838.77	778,311.89	DWF	416+53.73	93.51 LT
3056	773.36	477,843.03	778,309.27	DWF	416+53.50	98.51 LT
3057	773.40	477,844.08	778,310.98	DWF	416+55.50	98.60 LT
3058	774.05	477,818.38	778,296.14	SW	416+30.06	83.31 LT
3059	774.08	477,815.07	778,299.85	SW	416+31.71	78.62 LT
3060	773.66	477,828.31	778,301.69	SW	416+39.74	89.31 LT
3061	773.64	477,826.88	778,306.45	SW	416+43.21	85.75 LT



WESTHAVEN W MEDIAN						
POINT	ELEVATION	NORTHING	EASTING	DESCRIPTION	STATION	OFFSET
3100	774.67	477,751.10	778,321.99	FLANGE	416+20.08	11.93 LT
3101	774.60	477,753.64	778,326.30	FLANGE	416+25.08	12.06 LT
3102	774.75	477,749.35	778,322.96	FL	416+20.08	9.93 LT
3103	774.68	477,751.89	778,327.28	FL	416+25.08	10.06 LT
3104	774.77	477,748.48	778,323.45	BOC	416+20.08	8.93 LT
3105	774.70	477,751.01	778,327.76	BOC	416+25.08	9.06 LT
3106	774.94	477,743.29	778,326.33	BOC	416+20.09	3.00 LT
3107	774.89	477,745.72	778,330.70	BOC	416+25.09	3.00 LT
3108	774.92	477,742.42	778,326.82	FL	416+20.09	2.00 LT
3109	774.87	477,744.84	778,331.19	FL	416+25.09	2.00 LT
3110	775.00	477,740.67	778,327.79	FLANGE	416+20.09	0.00 RT
3111	774.95	477,743.09	778,332.16	FLANGE	416+25.09	0.00 RT

NOTES:

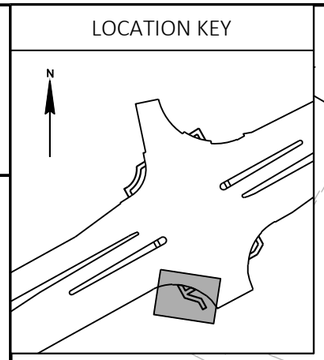
1. CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO CURB & GUTTER AND SIDEWALK CONSTRUCTION.
2. THE ENGINEER MAY ADJUST ELEVATIONS TO MATCH FIELD CONDITIONS.
3. DASHED LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATION ONLY AND DO NOT INDICATE JOINT LOCATIONS.
4. SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS.

LEGEND FOR CURB RAMP DETAILS

CCP	CONCRETE CURB PEDESTRIAN
CCR	COLORING CONCRETE, WISDOT RED
CG-30A	CONCRETE CURB AND GUTTER, 30-INCH, TYPE A
CG-36A6	CONCRETE CURB AND GUTTER, 6-INCH SLOPED, 36-INCH, TYPE A
CG-36D6	CONCRETE CURB AND GUTTER, 6-INCH SLOPED, 36-INCH, TYPE D
CG-36D6-R	CONCRETE CURB AND GUTTER, 6-INCH SLOPED, 36-INCH, TYPE D, REVERSE PAN
CMSN1	CONCRETE MEDIAN SLOPED NOSE, TYPE 1
CS-4	CONCRETE SIDEWALK, 4-INCH
CS-6	CONCRETE SIDEWALK, 6-INCH
DWF-NP	DETECTABLE WARNING FIELD, NATURAL PATINA
DWR-NP	DETECTABLE WARNING FIELD, RADIAL, NATURAL PATINA
T-PN	TAPER, PAVED, NON-TRAVERSABLE
T-UN	TAPER, UNPAVED, NON-TRAVERSABLE
G	GRASS
LL	LEVEL LANDING

PROJECT NO: 6180-31-71	HWY: STH 21	COUNTY: WINNEBAGO	CURB RAMP DETAILS - WESTHAVEN DR	SHEET 61	E

LOCATION KEY



CURB RAMP TYPE 2

CURB RAMP TYPE 2

CG-30A

WESTHAVEN DR

STH 21 EB

SLOPE INTERCEPT (TYP)

NOTES:

1. CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO CURB & GUTTER AND SIDEWALK CONSTRUCTION.
2. THE ENGINEER MAY ADJUST ELEVATIONS TO MATCH FIELD CONDITIONS.
3. DASHED LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATION ONLY AND DO NOT INDICATE JOINT LOCATIONS.
4. SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS.

LEGEND FOR CURB RAMP DETAILS

CCP	CONCRETE CURB PEDESTRIAN
CCR	COLORING CONCRETE, WISDOT RED
CG-30A	CONCRETE CURB AND GUTTER, 30-INCH, TYPE A
CG-36A6	CONCRETE CURB AND GUTTER, 6-INCH SLOPED, 36-INCH, TYPE A
CG-36D6	CONCRETE CURB AND GUTTER, 6-INCH SLOPED, 36-INCH, TYPE D
CG-36D6-R	CONCRETE CURB AND GUTTER, 6-INCH SLOPED, 36-INCH, TYPE D, REVERSE PAN
CMSN1	CONCRETE MEDIAN SLOPED NOSE, TYPE 1
CS-4	CONCRETE SIDEWALK, 4-INCH
CS-6	CONCRETE SIDEWALK, 6-INCH
DWF-NP	DETECTABLE WARNING FIELD, NATURAL PATINA
DWR-NP	DETECTABLE WARNING FIELD, RADIAL, NATURAL PATINA
T-PN	TAPER, PAVED, NON-TRAVERSABLE
T-UN	TAPER, UNPAVED, NON-TRAVERSABLE
G	GRASS
LL	LEVEL LANDING

PROJECT NO: 6180-31-71	HWY: STH 21	COUNTY: WINNEBAGO	CURB RAMP DETAILS - WESTHAVEN DR	SHEET 62	E

WESTHAVEN SW QUAD						
POINT	ELEVATION	NORTHING	EASTING	DESCRIPTION	STATION	OFFSET
3200	774.74	477,690.51	778,318.17	BOC	416+15.95	39.09 RT
3201	775.24	477,693.32	778,323.47	BOC	416+35.74	39.15 RT
3202	775.24	477,697.26	778,335.47	BOC	416+34.28	47.37 RT
3203	774.82	477,699.71	778,334.97	FLANGE	416+48.00	47.33 RT
3204	774.16	477,688.35	778,380.90	BOC	416+47.93	55.97 RT
3206	774.67	477,700.87	778,345.12	FLANGE	416+15.96	43.21 RT
3207	774.59	477,700.93	778,347.95	FLANGE	416+18.48	44.54 RT
3208	774.54	477,700.90	778,349.44	FLANGE	416+19.76	45.28 RT
3209	774.54	477,700.89	778,349.81	FLANGE	416+20.08	45.47 RT
3210	774.51	477,700.84	778,351.05	FLANGE	416+21.14	46.12 RT
3211	774.56	477,700.96	778,348.74	QTR PT	416+23.76	47.85 RT
3212	774.42	477,700.40	778,355.80	FLANGE	416+25.08	48.80 RT
3213	774.38	477,700.12	778,357.72	FLANGE	416+26.63	49.98 RT
3214	774.34	477,699.78	778,359.62	FLANGE	416+28.12	51.19 RT
3215	774.30	477,699.55	778,360.77	FLANGE	416+29.02	51.96 RT
3216	774.25	477,699.15	778,362.45	QTR PT	416+30.79	53.56 RT
3217	774.16	477,698.48	778,364.99	FLANGE	416+32.20	54.93 RT
3218	774.13	477,698.15	778,366.10	FLANGE	416+33.00	55.76 RT
3219	774.10	477,697.55	778,367.95	FLANGE	416+34.33	57.18 RT
3220	774.06	477,696.81	778,369.99	FLANGE	416+35.75	58.82 RT
3221	773.96	477,694.39	778,375.43	QTR PT	416+36.91	60.24 RT
3222	773.98	477,694.90	778,374.43	FLANGE	416+38.72	62.64 RT

WESTHAVEN SW QUAD						
POINT	ELEVATION	NORTHING	EASTING	DESCRIPTION	STATION	OFFSET
3223	773.95	477,694.29	778,375.67	FLANGE	416+39.51	63.77 RT
3224	773.94	477,694.19	778,375.89	FLANGE	416+39.64	63.97 RT
3225	773.89	477,693.51	778,377.17	FLANGE	416+40.44	65.18 RT
3226	773.79	477,692.03	778,379.78	FLANGE	416+42.00	67.75 RT
3227	774.43	477,698.84	778,350.95	FL	416+20.08	47.81 RT
3228	774.30	477,698.15	778,357.40	FL	416+25.39	51.55 RT
3229	774.02	477,695.66	778,367.30	FL	416+32.84	58.52 RT
3230	773.90	477,693.10	778,373.57	FL	416+37.09	63.80 RT
3231	775.09	477,698.37	778,345.26	BOC	416+14.88	45.47 RT
3232	775.01	477,698.43	778,347.95	BOC	416+17.26	46.72 RT
3233	774.42	477,698.32	778,351.23	BOC	416+20.08	48.40 RT
3234	774.30	477,697.65	778,357.32	BOC	416+25.08	51.94 RT
3235	774.72	477,697.10	778,360.24	BOC	416+27.37	53.84 RT
3236	774.58	477,696.08	778,364.30	BOC	416+30.43	56.70 RT
3237	774.02	477,695.18	778,367.14	BOC	416+32.47	58.86 RT
3238	773.91	477,692.79	778,373.04	BOC	416+36.48	63.81 RT
3239	774.31	477,691.31	778,375.98	BOC	416+38.34	66.53 RT
3240	774.21	477,689.91	778,378.44	BOC	416+39.81	68.95 RT
3241	774.37	477,695.23	778,352.95	DWF	416+20.08	51.94 RT
3242	774.31	477,689.10	778,356.34	SW	416+20.08	58.95 RT
3243	774.24	477,691.52	778,360.72	SW	416+25.08	58.95 RT
3244	773.97	477,690.84	778,369.61	DWF	416+32.53	63.86 RT

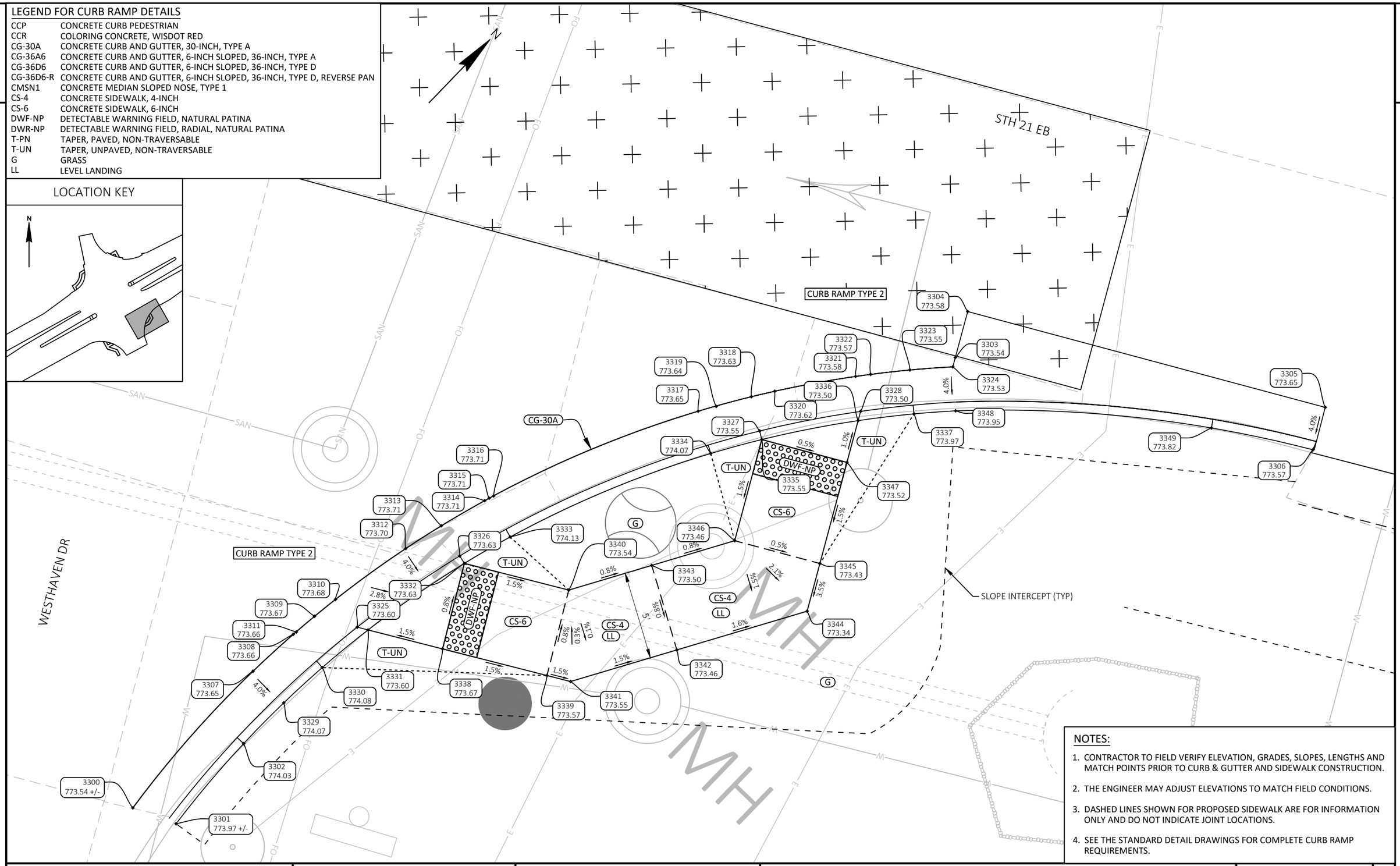
WESTHAVEN SW QUAD						
POINT	ELEVATION	NORTHING	EASTING	DESCRIPTION	STATION	OFFSET
3245	774.19	477,687.15	778,363.14	SW	416+25.08	63.95 RT
3246	774.24	477,682.97	778,359.74	SW	416+20.08	65.96 RT
3247	774.22	477,682.37	778,361.66	SW	416+21.48	67.41 RT
3248	774.12	477,685.67	778,367.92	SW	416+28.54	67.56 RT
3249	774.15	477,680.89	778,366.44	SW	416+24.94	71.02 RT
3250	774.04	477,684.19	778,372.69	SW	416+32.01	71.16 RT
3251	774.07	477,679.42	778,371.21	SW	416+28.40	74.63 RT
3252	773.96	477,681.99	778,379.81	SW	416+37.17	76.54 RT
3253	773.94	477,680.15	778,380.83	SW	416+37.17	78.64 RT
3254	774.01	477,677.77	778,376.54	SW	416+32.26	78.65 RT
3255	773.89	477,675.78	778,383.26	SW	416+37.17	83.64 RT
3256	773.96	477,673.40	778,378.96	SW	416+32.26	83.65 RT
3257	773.85	477,671.41	778,385.68	SW	416+37.18	88.64 RT
3258	773.88	477,669.04	778,381.41	SW	416+32.29	88.65 RT
3259	773.74	477,690.45	778,382.21	FLANGE	416+32.29	88.65 RT
3260	774.05	477,684.74	778,385.74	BOC	416+32.29	88.65 RT
3261	773.63	477,686.89	778,387.05	FLANGE	416+32.29	88.65 RT
3262	774.82	477,692.65	778,316.88	FLANGE	416+48.00	47.33 RT
3263	774.82	477,695.59	778,322.42	FLANGE	416+48.00	47.33 RT
3264	774.82	477,701.64	778,333.50	FLANGE	416+48.00	47.33 RT

2

LEGEND FOR CURB RAMP DETAILS

CCP	CONCRETE CURB PEDESTRIAN
CCR	COLORING CONCRETE, WISDOT RED
CG-30A	CONCRETE CURB AND GUTTER, 30-INCH, TYPE A
CG-36A6	CONCRETE CURB AND GUTTER, 6-INCH SLOPED, 36-INCH, TYPE A
CG-36D6	CONCRETE CURB AND GUTTER, 6-INCH SLOPED, 36-INCH, TYPE D
CG-36D6-R	CONCRETE CURB AND GUTTER, 6-INCH SLOPED, 36-INCH, TYPE D, REVERSE PAN
CMSN1	CONCRETE MEDIAN SLOPED NOSE, TYPE 1
CS-4	CONCRETE SIDEWALK, 4-INCH
CS-6	CONCRETE SIDEWALK, 6-INCH
DWF-NP	DETECTABLE WARNING FIELD, NATURAL PATINA
DWR-NP	DETECTABLE WARNING FIELD, RADIAL, NATURAL PATINA
T-PN	TAPER, PAVED, NON-TRAVERSABLE
T-UN	TAPER, UNPAVED, NON-TRAVERSABLE
G	GRASS
LL	LEVEL LANDING

LOCATION KEY



MH MH

NOTES:

1. CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO CURB & GUTTER AND SIDEWALK CONSTRUCTION.
2. THE ENGINEER MAY ADJUST ELEVATIONS TO MATCH FIELD CONDITIONS.
3. DASHED LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATION ONLY AND DO NOT INDICATE JOINT LOCATIONS.
4. SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS.

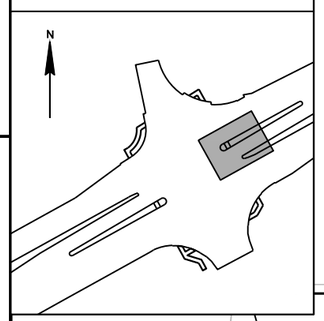
2

WESTHAVEN SE QUAD						
POINT	ELEVATION	NORTHING	EASTING	DESCRIPTION	STATION	OFFSET
3300	773.54	477,712.14	778,433.39	FLANGE	417+03.22	66.88 RT
3301	773.97	477,713.20	778,435.78	BOC	417+03.22	66.88 RT
3302	774.03	477,719.13	778,435.38	BOC	417+03.22	66.88 RT
3303	773.54	477,762.91	778,449.22	FLANGE	417+03.22	66.88 RT
3304	773.58	477,765.26	778,447.91	FLANGE	417+03.22	66.88 RT
3305	773.65	477,775.44	778,466.27	FLANGE	417+03.22	66.88 RT
3306	773.57	477,773.22	778,467.44	BOC	417+37.09	39.39 RT
3307	773.65	477,722.45	778,432.91	FLANGE	417+03.22	66.88 RT
3308	773.66	477,725.55	778,433.10	FLANGE	417+04.89	64.26 RT
3309	773.67	477,727.12	778,433.26	FLANGE	417+05.79	62.97 RT
3310	773.68	477,728.63	778,433.45	FLANGE	417+06.69	61.74 RT
3311	773.66	477,725.75	778,433.13	QTR PT	417+09.74	57.97 RT
3312	773.70	477,733.47	778,434.31	FLANGE	417+09.79	57.92 RT
3313	773.71	477,735.80	778,434.87	FLANGE	417+11.41	56.15 RT
3314	773.71	477,738.53	778,435.65	FLANGE	417+13.41	54.14 RT
3315	773.71	477,738.80	778,435.74	FLANGE	417+13.62	53.94 RT
3316	773.71	477,739.08	778,435.83	QTR PT	417+17.73	50.36 RT
3317	773.65	477,750.58	778,440.84	FLANGE	417+23.79	46.11 RT
3318	773.63	477,753.27	778,442.44	FLANGE	417+26.49	44.54 RT
3319	773.64	477,751.49	778,441.39	QTR PT	417+26.94	44.29 RT

WESTHAVEN SE QUAD						
POINT	ELEVATION	NORTHING	EASTING	DESCRIPTION	STATION	OFFSET
3320	773.62	477,754.42	778,443.18	FLANGE	417+27.69	43.89 RT
3321	773.58	477,758.20	778,445.89	FLANGE	417+31.90	41.89 RT
3322	773.57	477,758.88	778,446.42	FLANGE	417+32.69	41.56 RT
3323	773.55	477,760.60	778,447.85	FLANGE	417+34.78	40.74 RT
3324	773.53	477,762.43	778,449.48	FLANGE	417+37.09	39.94 RT
3325	773.60	477,728.35	778,435.43	FL	417+08.29	62.94 RT
3326	773.63	477,735.30	778,436.81	FL	417+12.85	57.53 RT
3327	773.55	477,752.20	778,444.13	FL	417+27.45	46.29 RT
3328	773.50	477,756.98	778,447.47	FL	417+32.69	43.73 RT
3329	774.07	477,722.37	778,435.41	BOC	417+05.37	68.16 RT
3330	774.08	477,725.33	778,435.59	BOC	417+06.96	65.66 RT
3331	773.60	477,728.67	778,435.98	BOC	417+08.92	62.93 RT
3332	773.63	477,735.17	778,437.29	BOC	417+13.22	57.88 RT
3333	774.13	477,738.05	778,438.12	BOC	417+15.34	55.76 RT
3334	774.07	477,749.36	778,443.02	BOC	417+25.10	48.24 RT
3335	773.55	477,751.94	778,444.55	BOC	417+27.69	46.73 RT
3336	773.50	477,756.50	778,447.74	BOC	417+32.69	44.28 RT
3337	773.97	477,758.98	778,449.75	BOC	417+35.65	43.09 RT
3338	773.67	477,730.83	778,439.77	DWF	417+13.28	62.88 RT
3339	773.57	477,733.85	778,445.08	SW	417+19.39	62.80 RT

WESTHAVEN SE QUAD						
POINT	ELEVATION	NORTHING	EASTING	DESCRIPTION	STATION	OFFSET
3340	773.54	477,738.19	778,442.60	SW	417+19.33	57.80 RT
3341	773.55	477,734.53	778,446.28	SW	417+20.77	62.78 RT
3342	773.46	477,740.01	778,449.37	SW	417+26.13	59.49 RT
3343	773.50	477,742.47	778,445.01	SW	417+23.51	55.23 RT
3344	773.34	477,746.72	778,453.16	SW	417+32.69	55.46 RT
3345	773.43	477,749.17	778,451.80	SW	417+32.69	52.66 RT
3346	773.46	477,746.74	778,447.43	SW	417+27.69	52.66 RT
3347	773.52	477,754.36	778,448.92	DWF	417+32.69	46.73 RT
3348	773.95	477,760.74	778,451.32	BOC	417+37.88	42.31 RT
3349	773.82	477,770.12	778,462.44	BOC	417+37.88	42.31 RT

LOCATION KEY



STH 21 WB

WESTHAVEN E MEDIAN						
POINT	ELEVATION	NORTHING	EASTING	DESCRIPTION	STATION	OFFSET
3400	773.64	477,811.71	778,411.44	FLANGE	417+27.69	21.61 LT
3401	773.59	477,814.26	778,415.74	FLANGE	417+32.69	21.75 LT
3402	773.72	477,813.46	778,410.47	FL	417+27.69	23.61 LT
3403	773.67	477,816.01	778,414.77	FL	417+32.69	23.75 LT
3404	773.74	477,813.90	778,410.22	BOC	417+27.69	24.11 LT
3405	773.69	477,816.44	778,414.53	BOC	417+32.69	24.25 LT
3406	773.72	477,815.77	778,409.19	DWF	417+27.69	26.25 LT
3407	773.67	477,818.19	778,413.56	DWF	417+32.69	26.25 LT
3408	773.69	477,818.09	778,407.90	DWF	417+27.69	28.90 LT
3409	773.65	477,820.51	778,412.28	DWF	417+32.69	28.90 LT
3410	773.67	477,819.84	778,406.93	BOC	417+27.69	30.90 LT
3411	773.63	477,822.26	778,411.31	BOC	417+32.69	30.90 LT
3412	773.65	477,820.28	778,406.69	FL	417+27.69	31.40 LT
3414	773.61	477,822.70	778,411.07	FL	417+32.69	31.40 LT
3415	773.73	477,822.03	778,405.72	FLANGE	417+27.69	33.40 LT
3416	773.69	477,824.45	778,410.10	FLANGE	417+32.69	33.40 LT

CURB RAMP TYPE 5
5'
3415 773.73
3416 773.69
CG-36A6
817+00'WB'
817+25'WB'
3412 773.65
3414 773.61
4.0%
0.8%
CMSN1
3410 773.67
3411 773.63
DWF-NP
1.0%
3408 773.69
3409 773.65
CCP
CS-4
1.2%
CS-6
2.7'
0.9%
3406 773.72
3407 773.67
3404 773.74
3405 773.69
3402 773.72
3403 773.67
3400 773.64
3401 773.59
CG-36D6-R REVERSE PAN
CURB RAMP TYPE 5
WESTHAVEN DR
CG-36D6
417+50'EB'
417+75'EB'
CG-36A6
STH 21 EB

NOTES:

1. CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO CURB & GUTTER AND SIDEWALK CONSTRUCTION.
2. THE ENGINEER MAY ADJUST ELEVATIONS TO MATCH FIELD CONDITIONS.
3. DASHED LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATION ONLY AND DO NOT INDICATE JOINT LOCATIONS.
4. SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS.

LEGEND FOR CURB RAMP DETAILS

CCP	CONCRETE CURB PEDESTRIAN
CCR	COLORING CONCRETE, WISDOT RED
CG-30A	CONCRETE CURB AND GUTTER, 30-INCH, TYPE A
CG-36A6	CONCRETE CURB AND GUTTER, 6-INCH SLOPED, 36-INCH, TYPE A
CG-36D6	CONCRETE CURB AND GUTTER, 6-INCH SLOPED, 36-INCH, TYPE D
CG-36D6-R	CONCRETE CURB AND GUTTER, 6-INCH SLOPED, 36-INCH, TYPE D, REVERSE PAN
CMSN1	CONCRETE MEDIAN SLOPED NOSE, TYPE 1
CS-4	CONCRETE SIDEWALK, 4-INCH
CS-6	CONCRETE SIDEWALK, 6-INCH
DWF-NP	DETECTABLE WARNING FIELD, NATURAL PATINA
DWR-NP	DETECTABLE WARNING FIELD, RADIAL, NATURAL PATINA
T-PN	TAPER, PAVED, NON-TRAVERSABLE
T-UN	TAPER, UNPAVED, NON-TRAVERSABLE
G	GRASS
LL	LEVEL LANDING

PROJECT NO: 6180-31-71	HWY: STH 21	COUNTY: WINNEBAGO	CURB RAMP DETAILS - WESTHAVEN DR	SHEET 66	E

2

NOTES:

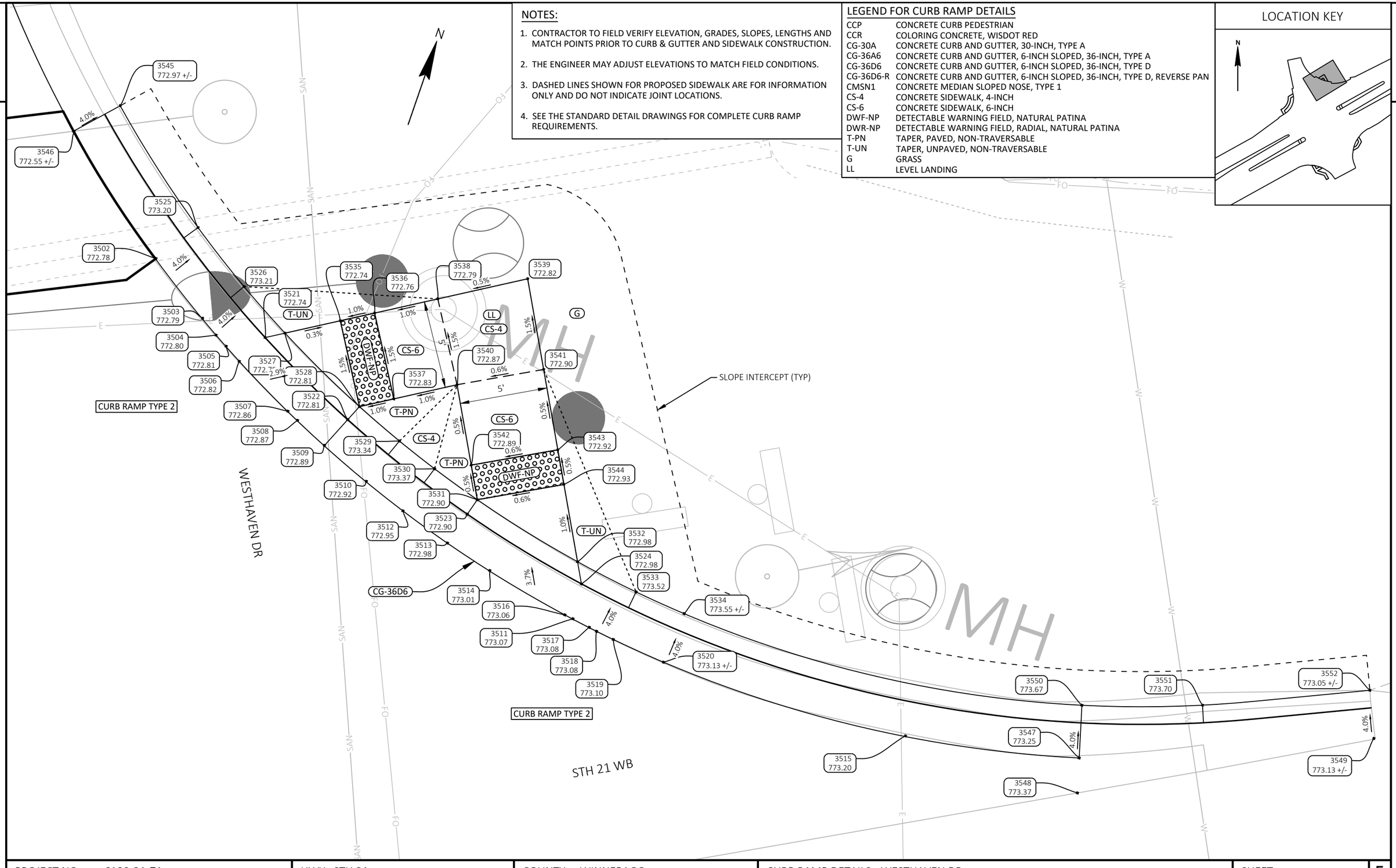
1. CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO CURB & GUTTER AND SIDEWALK CONSTRUCTION.
2. THE ENGINEER MAY ADJUST ELEVATIONS TO MATCH FIELD CONDITIONS.
3. DASHED LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATION ONLY AND DO NOT INDICATE JOINT LOCATIONS.
4. SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS.

LEGEND FOR CURB RAMP DETAILS

CCP	CONCRETE CURB PEDESTRIAN
CCR	COLORING CONCRETE, WISDOT RED
CG-30A	CONCRETE CURB AND GUTTER, 30-INCH, TYPE A
CG-36A6	CONCRETE CURB AND GUTTER, 6-INCH SLOPED, 36-INCH, TYPE A
CG-36D6	CONCRETE CURB AND GUTTER, 6-INCH SLOPED, 36-INCH, TYPE D
CG-36D6-R	CONCRETE CURB AND GUTTER, 6-INCH SLOPED, 36-INCH, TYPE D, REVERSE PAN
CMSN1	CONCRETE MEDIAN SLOPED NOSE, TYPE 1
CS-4	CONCRETE SIDEWALK, 4-INCH
CS-6	CONCRETE SIDEWALK, 6-INCH
DWF-NP	DETECTABLE WARNING FIELD, NATURAL PATINA
DWR-NP	DETECTABLE WARNING FIELD, RADIAL, NATURAL PATINA
T-PN	TAPER, PAVED, NON-TRAVERSABLE
T-UN	TAPER, UNPAVED, NON-TRAVERSABLE
G	GRASS
LL	LEVEL LANDING

LOCATION KEY

2



PROJECT NO: 6180-31-71	HWY: STH 21	COUNTY: WINNEBAGO	CURB RAMP DETAILS - WESTHAVEN DR	SHEET 67	E

FILE NAME : N:\3001455.00\CIVIL 3D\SHEETS\61803171-021302-CR.DWG
LAYOUT NAME - 61803171-021338-cr

PLOT DATE : 5/20/2025 11:37 AM PLOT BY : CRAIG KNUTH PLOT NAME : PLOT SCALE : 1 IN:5 FT

WISDOT/CADDS SHEET 42

WESTHAVEN NE QUAD						
POINT	ELEVATION	NORTHING	EASTING	DESCRIPTION	STATION	OFFSET
3502	772.78	477,878.78	778,356.43	FLANGE	417+12.63	105.76 LT
3503	772.79	477,876.43	778,360.04	FLANGE	417+14.13	103.00 LT
3504	772.80	477,875.78	778,361.08	FLANGE	417+14.69	102.05 LT
3505	772.81	477,875.36	778,361.83	FLANGE	417+15.12	101.32 LT
3506	772.82	477,874.80	778,362.81	FLANGE	417+15.72	100.36 LT
3507	772.86	477,873.01	778,366.35	QTR PT	417+17.30	97.98 LT
3508	772.87	477,872.70	778,367.04	FLANGE	417+18.38	96.47 LT
3509	772.89	477,871.85	778,368.95	FLANGE	417+19.65	94.79 LT
3510	772.92	477,870.69	778,371.87	FLANGE	417+21.63	92.36 LT
3511	773.07	477,867.13	778,385.52	QTR PT	417+22.88	90.95 LT
3512	772.95	477,869.78	778,374.38	FLANGE	417+23.40	90.37 LT
3513	772.98	477,868.88	778,377.37	FLANGE	417+25.58	88.12 LT
3514	773.01	477,868.18	778,380.16	FLANGE	417+27.69	86.12 LT
3515	773.20	477,866.98	778,405.56	QTR PT	417+29.32	84.69 LT
3516	773.06	477,867.19	778,385.01	FLANGE	417+31.45	82.94 LT
3517	773.08	477,866.97	778,386.56	FLANGE	417+32.69	81.99 LT
3518	773.08	477,866.89	778,387.02	FLANGE	417+33.07	81.71 LT
3519	773.10	477,866.76	778,388.07	FLANGE	417+33.92	81.09 LT
3520	773.13	477,866.47	778,391.19	FLANGE	417+36.51	79.32 LT
3521	772.74	477,876.55	778,363.77	FL	417+17.41	101.43 LT
3522	772.81	477,873.67	778,369.72	FL	417+21.22	96.02 LT
3523	772.90	477,870.80	778,377.90	FL	417+26.99	89.54 LT
3524	772.98	477,869.16	778,385.33	FL	417+32.69	84.51 LT
3525	773.20	477,881.23	778,358.12	BOC	417+15.30	107.13 LT
3526	773.21	477,878.91	778,361.69	BOC	417+16.73	104.50 LT
3527	772.75	477,877.16	778,364.75	BOC	417+18.57	101.48 LT

WESTHAVEN NE QUAD						
POINT	ELEVATION	NORTHING	EASTING	DESCRIPTION	STATION	OFFSET
3528	772.81	477,874.59	778,370.11	BOC	417+22.01	96.63 LT
3529	773.34	477,873.48	778,372.90	BOC	417+23.91	94.31 LT
3530	773.37	477,872.63	778,375.30	BOC	417+25.60	92.41 LT
3531	772.90	477,871.76	778,378.17	BOC	417+27.69	90.25 LT
3532	772.98	477,870.28	778,384.71	BOC	417+32.69	85.79 LT
3533	773.52	477,869.74	778,388.42	BOC	417+35.67	83.52 LT
3534	773.55	477,869.46	778,391.40	BOC	417+38.15	81.83 LT
3535	772.74	477,878.85	778,367.49	DWF	417+21.78	101.63 LT
3536	772.76	477,879.90	778,369.20	DWF	417+23.78	101.72 LT
3537	772.83	477,875.64	778,371.82	DWF	417+24.01	96.73 LT
3538	772.79	477,881.83	778,372.34	SW	417+27.46	101.89 LT
3539	772.82	477,884.57	778,376.79	SW	417+32.69	102.13 LT
3540	772.87	477,877.57	778,374.96	SW	417+27.69	96.89 LT
3541	772.90	477,879.99	778,379.33	SW	417+32.69	96.89 LT
3542	772.89	477,873.51	778,377.20	DWF	417+27.69	92.25 LT
3543	772.92	477,875.93	778,381.58	DWF	417+32.69	92.25 LT
3544	772.93	477,874.18	778,382.55	DWF	417+32.69	90.25 LT
3545	772.97	477,886.33	778,351.68	BOC	417+12.63	105.76 LT
3546	772.55	477,884.10	778,349.68	FLANGE	417+12.63	105.76 LT
3547	773.25	477,869.01	778,415.32	FLANGE	417+12.63	105.76 LT
3548	773.37	477,867.10	778,415.87	FLANGE	417+12.63	105.76 LT
3549	773.13	477,875.51	778,430.80	FLANGE	417+12.63	105.76 LT
3550	773.67	477,871.89	778,414.49	BOC	417+12.63	105.76 LT
3551	773.70	477,874.13	778,420.97	BOC	417+12.63	105.76 LT
3552	773.05	477,878.03	778,429.69	BOC	417+12.63	105.76 LT

2

2

LEGEND

- EROSION MAT URBAN CLASS I, TYPE B
- EROSION MAT CLASS I TYPE B
- SILT FENCE
- RIPRAP MEDIUM
- ROCK BAG RELIEF
- SLOPE INTERCEPT
- INLET PROTECTION
- A C D — INLET PROTECTION TYPE
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW

EXIST R/W

EXIST R/W

STH 21

318'EB'

319'EB'

320'EB'

321'EB'

322'EB'

323'EB'

MATCH LINE STA 323+25

EXIST R/W

EXIST R/W

N

PROJECT NO: 6180-31-71	HWY: STH 21	COUNTY: WINNEBAGO	EROSION CONTROL - ROUNDABOUT	SHEET 69	E

FILE NAME : N:\3001455.00\CIVIL 3D\SHEETS\61803171-022001-EC.DWG
LAYOUT NAME - 61803171-022001-ec

PLOT DATE : 9/18/2025 9:32 AM PLOT BY : MATT TOMSOVIC PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2

MATCH LINE STA 323+25

MATCH LINE STA 329+25

EXIST R/W

EXIST R/W

STH 21

324'EB'

325'EB'

326'EB'

726'WB'

327'EB'

727'WB'

328'EB'

728'WB'

329'EB'

729'WB'

R/W

EXIST R/W

N

LEGEND

- EROSION MAT URBAN CLASS I, TYPE B
- EROSION MAT CLASS I TYPE B
- SILT FENCE
- RIPRAP MEDIUM
- ROCK BAG RELIEF
- SLOPE INTERCEPT
- INLET PROTECTION
- A C D — INLET PROTECTION TYPE
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW

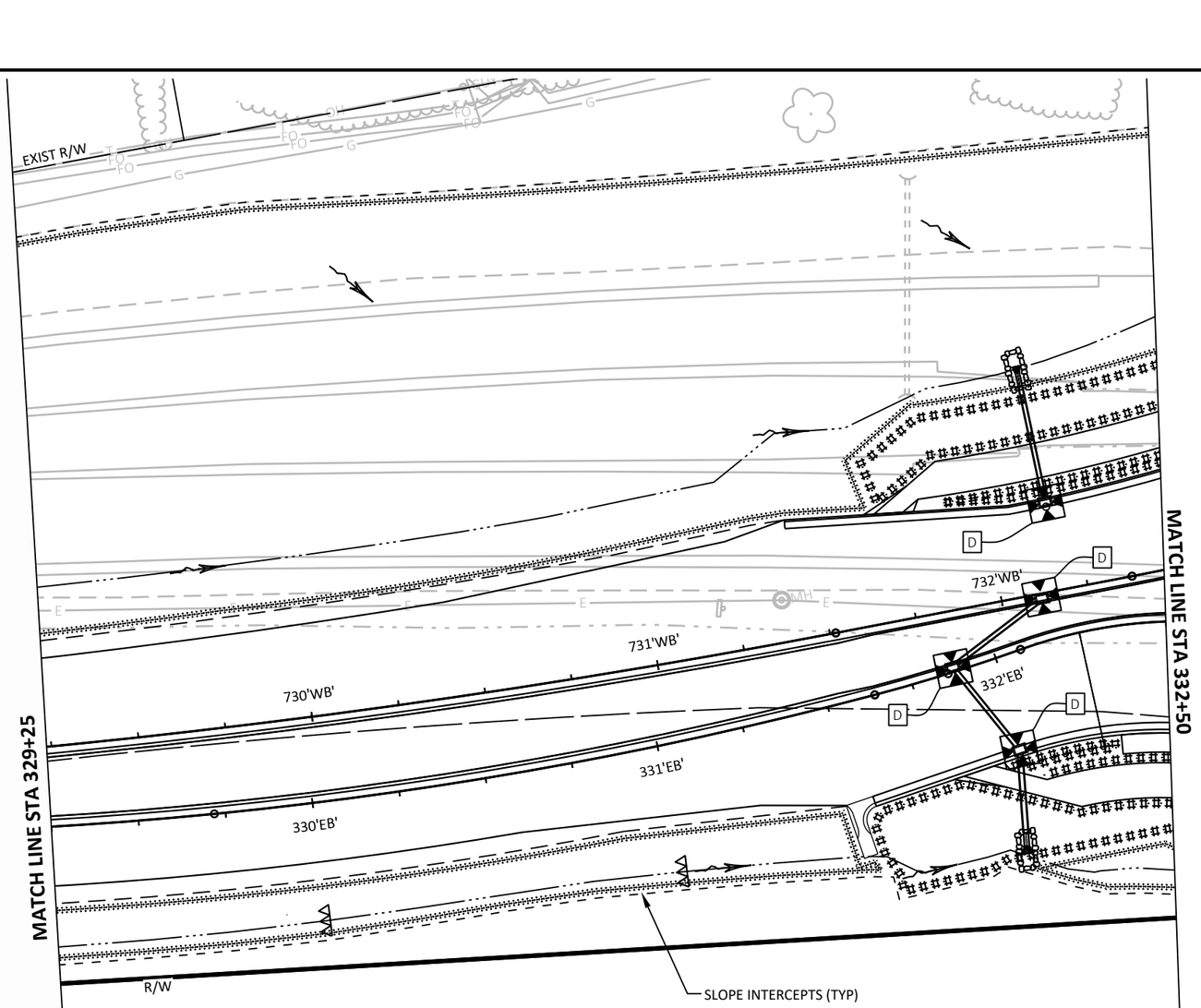
PROJECT NO: 6180-31-71	HWY: STH 21	COUNTY: WINNEBAGO	EROSION CONTROL - ROUNDABOUT	SHEET 70	E

FILE NAME : N:\3001455.00\CIVIL 3D\SHEETS\61803171-022001-EC.DWG
LAYOUT NAME - 61803171-022002-ec

PLOT DATE : 9/18/2025 9:32 AM PLOT BY : MATT TOMSOVIC PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2



LEGEND

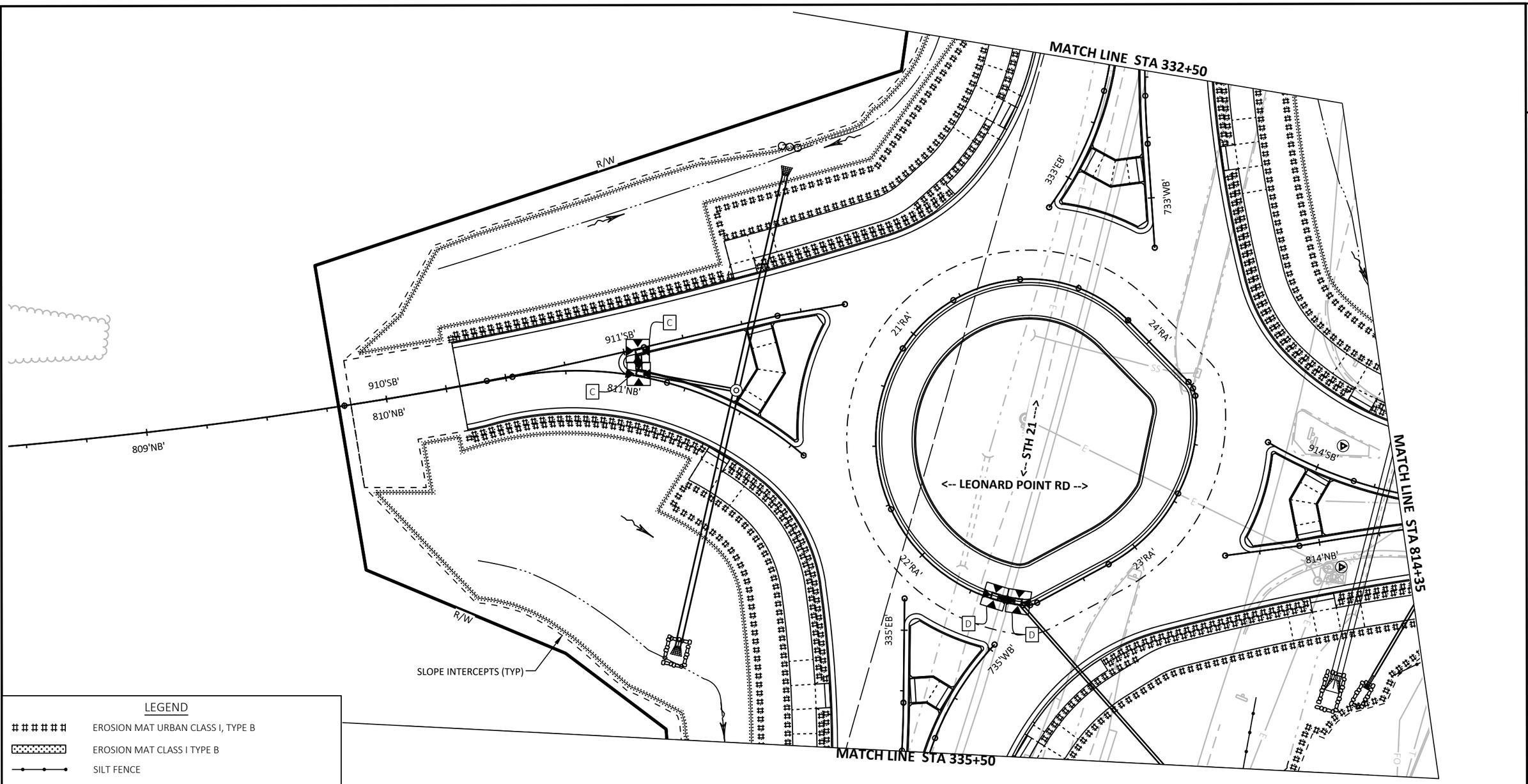
- EROSION MAT URBAN CLASS I, TYPE B
- EROSION MAT CLASS I TYPE B
- SILT FENCE
- RIPRAP MEDIUM
- ROCK BAG RELIEF
- SLOPE INTERCEPT
- INLET PROTECTION
- A C D — INLET PROTECTION TYPE
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW

PROJECT NO: 6180-31-71	HWY: STH 21	COUNTY: WINNEBAGO	EROSION CONTROL - ROUNDABOUT	SHEET 71	E

FILE NAME : N:\3001455.00\CIVIL 3D\SHEETS\61803171-022001-EC.DWG
LAYOUT NAME - 61803171-022003-ec

PLOT DATE : 9/18/2025 9:32 AM PLOT BY : MATT TOMSOVIC PLOT NAME : PLOT SCALE : 1 IN:40 FT

2



LEGEND

- EROSION MAT URBAN CLASS I, TYPE B
- EROSION MAT CLASS I TYPE B
- SILT FENCE
- RIPRAP MEDIUM
- ROCK BAG RELIEF
- SLOPE INTERCEPT
- INLET PROTECTION
- A C D — INLET PROTECTION TYPE
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW

PROJECT NO: 6180-31-71	HWY: STH 21	COUNTY: WINNEBAGO	EROSION CONTROL - ROUNDABOUT	SHEET 72	E

FILE NAME : N:\3001455.00\CIVIL 3D\SHEETS\61803171-022001-EC.DWG
LAYOUT NAME - 61803171-022004-ec

PLOT DATE : 9/18/2025 9:32 AM PLOT BY : MATT TOMSOVIC PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

LEGEND

- EROSION MAT URBAN CLASS I, TYPE B
- EROSION MAT CLASS I TYPE B
- SILT FENCE
- RIPRAP MEDIUM
- ROCK BAG RELIEF
- SLOPE INTERCEPT
- INLET PROTECTION
- A C D — INLET PROTECTION TYPE
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW

EXIST R/W

MATCH LINE STA 335+50

736'WB'

737'WB'

738'WB'

739'WB'

740'WB'

741'WB'

336'EB'

337'EB'

338'EB'

339'EB'

340'EB'

341'EB'

D

STH 21

SLOPE INTERCEPTS (TYP)

R/W

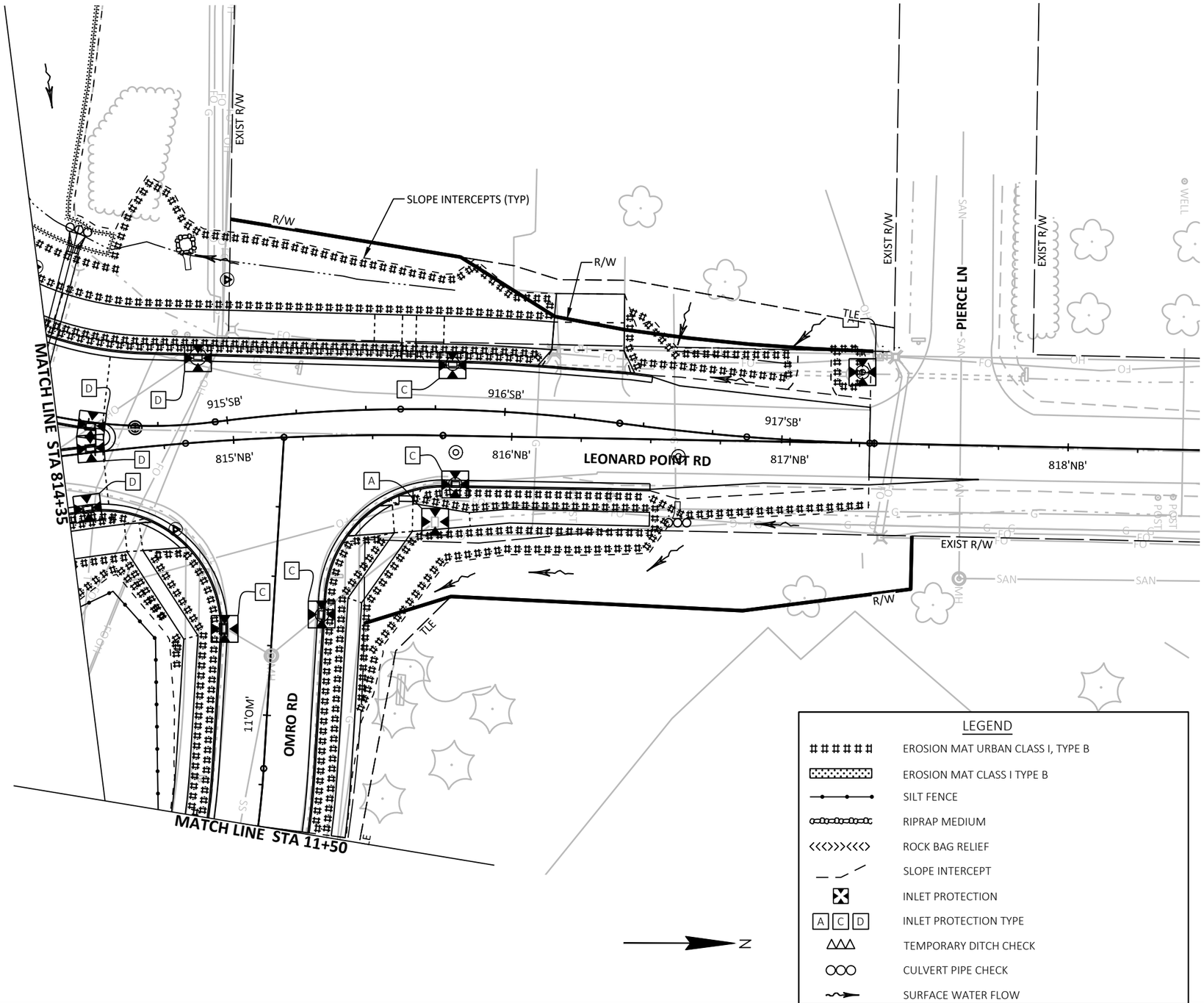
EXIST R/W

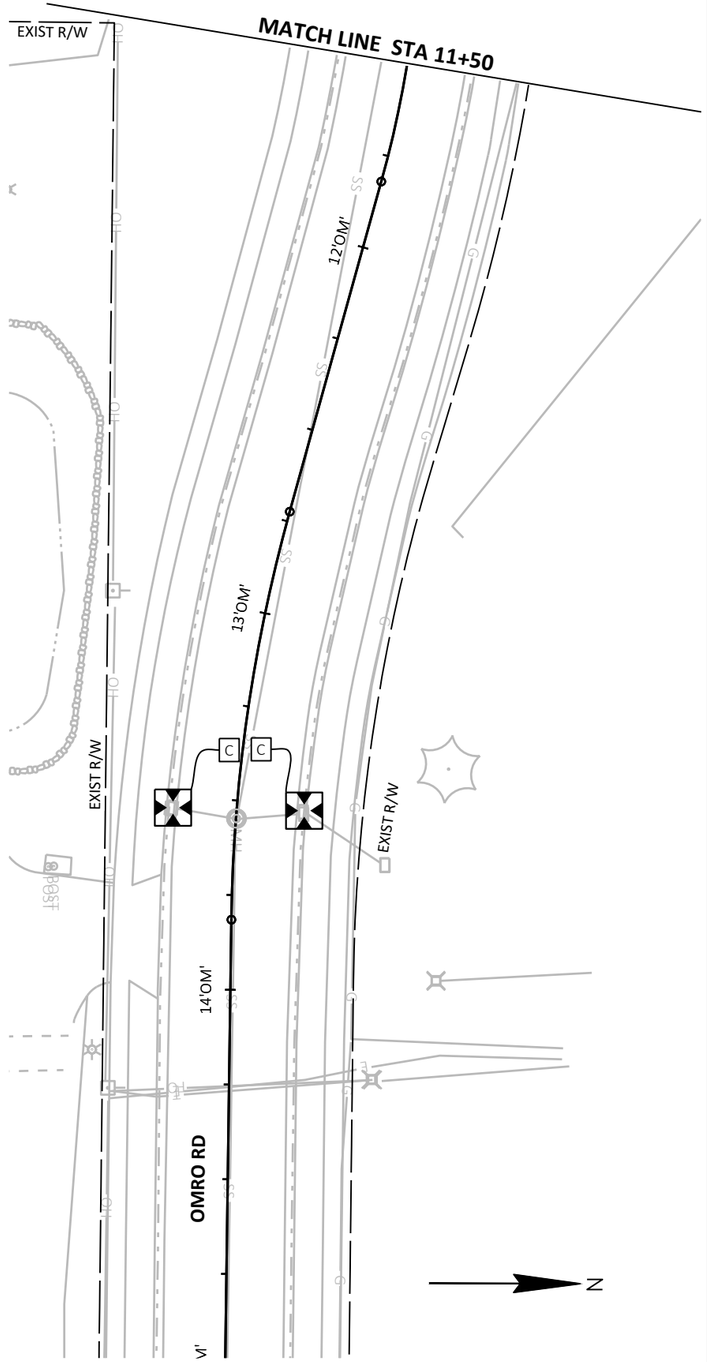
N

EPTS (TYP)

PROJECT NO: 6180-31-71	HWY: STH 21	COUNTY: WINNEBAGO	EROSION CONTROL - ROUNDABOUT	SHEET 73	E

2





LEGEND

- EROSION MAT URBAN CLASS I, TYPE B
- EROSION MAT CLASS I TYPE B
- SILT FENCE
- RIPRAP MEDIUM
- ROCK BAG RELIEF
- SLOPE INTERCEPT
- INLET PROTECTION
- INLET PROTECTION TYPE (A C D)
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW

PROJECT NO: 6180-31-71	HWY: STH 21	COUNTY: WINNEBAGO	EROSION CONTROL - LEONARD POINT RD	SHEET 74	E

FILE NAME : N:\3001455.00\CIVIL 3D\SHEETS\61803171-022001-EC.DWG
LAYOUT NAME - 61803171-022008-ec

PLOT DATE : 9/18/2025 9:32 AM PLOT BY : MATT TOMSOVIC PLOT NAME : PLOT SCALE : ##########

2

EXIST R/W

EXIST R/W

FO

746'WB' 747'WB' 748'WB' 749'WB' 750'WB' 751'WB'

STH 21

346'EB' 347'EB' 348'EB' 349'EB' 350'EB' 351'EB'

MATCH LINE STA 351+50

EXIST R/W

EXIST R/W

SLOPE INTERCEPTS (TYP)

GWP

POST

POST

N

LEGEND

- EROSION MAT URBAN CLASS I, TYPE B
- EROSION MAT CLASS I TYPE B
- SILT FENCE
- RIPRAP MEDIUM
- ROCK BAG RELIEF
- SLOPE INTERCEPT
- INLET PROTECTION
- A C D — INLET PROTECTION TYPE
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW

PROJECT NO: 6180-31-71	HWY: STH 21	COUNTY: WINNEBAGO	EROSION CONTROL - GUARDRAIL	SHEET 75	E

FILE NAME : N:\3001455.00\CIVIL 3D\SHEETS\61803171-022001-EC.DWG
LAYOUT NAME - 61803171-022011-ec

PLOT DATE : 9/18/2025 9:32 AM PLOT BY : MATT TOMSOVIC PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

EXIST R/W

SLOPE INTERCEPTS (TYP)

EXIST R/W

752'WB'

753'WB'

754'WB'

755'WB'

756'WB'

STH 21

352'EB'

353'EB'

354'EB'

355'EB'

356'EB'

MATCH LINE STA 351+50

MATCH LINE STA 356+50

EXIST R/W

EXIST R/W

N

LEGEND

- EROSION MAT URBAN CLASS I, TYPE B
- EROSION MAT CLASS I TYPE B
- SILT FENCE
- RIPRAP MEDIUM
- ROCK BAG RELIEF
- SLOPE INTERCEPT
- INLET PROTECTION
- A C D — INLET PROTECTION TYPE
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW

PROJECT NO: 6180-31-71	HWY: STH 21	COUNTY: WINNEBAGO	EROSION CONTROL - GUARDRAIL	SHEET 76	E

FILE NAME : N:\3001455.00\CIVIL 3D\SHEETS\61803171-022001-EC.DWG
LAYOUT NAME - 61803171-022012-ec

PLOT DATE : 9/18/2025 9:32 AM PLOT BY : MATT TOMSOVIC PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

CREEK SIDE DR

EXIST R/W

EXIST R/W

757'WB'

758'WB'

759'WB'

760'WB'

761'WB'

STH 21

MATCH LINE STA 356+50

MATCH LINE STA 361+25

357'EB'

358'EB'

359'EB'

360'EB'

361'EB'

EXIST R/W

EXIST R/W

SLOPE INTERCEPTS (TYP)

N

LEGEND

- EROSION MAT URBAN CLASS I, TYPE B
- EROSION MAT CLASS I TYPE B
- SILT FENCE
- RIPRAP MEDIUM
- ROCK BAG RELIEF
- SLOPE INTERCEPT
- INLET PROTECTION
- A C D — INLET PROTECTION TYPE
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW

PROJECT NO: 6180-31-71	HWY: STH 21	COUNTY: WINNEBAGO	EROSION CONTROL - GUARDRAIL	SHEET 77	E

FILE NAME : N:\3001455.00\CIVIL 3D\SHEETS\61803171-022001-EC.DWG
LAYOUT NAME - 61803171-022013-ec

PLOT DATE : 9/18/2025 9:32 AM PLOT BY : MATT TOMSOVIC PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

2

SLOPE INTERCEPTS (TYP)

EXIST R/W

EXIST R/W

762'WB'

763'WB'

764'WB'

765'WB'

766'WB'

767'WB'

STH 21

MATCH LINE STA 361+25

362'EB'

363'EB'

364'EB'

365'EB'

366'EB'

367'EB'

EXIST R/W

EXIST R/W

N

LEGEND

- EROSION MAT URBAN CLASS I, TYPE B
- EROSION MAT CLASS I TYPE B
- SILT FENCE
- RIPRAP MEDIUM
- ROCK BAG RELIEF
- SLOPE INTERCEPT
- INLET PROTECTION
- A C D — INLET PROTECTION TYPE
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW

PROJECT NO: 6180-31-71	HWY: STH 21	COUNTY: WINNEBAGO	EROSION CONTROL - GUARDRAIL	SHEET 78	E

FILE NAME : N:\3001455.00\CIVIL 3D\SHEETS\61803171-022001-EC.DWG
LAYOUT NAME - 61803171-022014-ec

PLOT DATE : 9/18/2025 9:33 AM PLOT BY : MATT TOMSOVIC PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2

N OAKWOOD RD

785'WB' 786'WB' 787'WB' 788'WB' 789'WB' 790'WB'

A C C

STH 21

385'EB' 386'EB' 387'EB' 388'EB' 389'EB' 390'EB'

C

MATCH LINE STA 390+75

SLOPE INTERCEPTS (TYP)

N

LEGEND

- EROSION MAT URBAN CLASS I, TYPE B
- EROSION MAT CLASS I TYPE B
- SILT FENCE
- RIPRAP MEDIUM
- ROCK BAG RELIEF
- SLOPE INTERCEPT
- INLET PROTECTION
- A C D INLET PROTECTION TYPE
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW

PROJECT NO: 6180-31-71	HWY: STH 21	COUNTY: WINNEBAGO	EROSION CONTROL - OAKWOOD RD	SHEET 79	E

FILE NAME : N:\3001455.00\CIVIL 3D\SHEETS\61803171-022001-EC.DWG
LAYOUT NAME - 61803171-022021-ec

PLOT DATE : 9/18/2025 9:33 AM PLOT BY : MATT TOMSOVIC PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

EXISTING TURN BAY LENGTH = 290'
TAPER LENGTH = 70'
83 + 04 = 220'

791'WB'
792'WB'
793'WB'
794'WB'
795'WB'
796'WB'

STH 21

391'EB'
392'EB'
393'EB'
394'EB'
395'EB'
396'EB'

MATCH LINE STA 390+75

SLOPE INTERCEPTS (TYP)

N OAKWOOD RD

N

LEGEND

- EROSION MAT URBAN CLASS I, TYPE B
- EROSION MAT CLASS I TYPE B
- SILT FENCE
- RIPRAP MEDIUM
- ROCK BAG RELIEF
- SLOPE INTERCEPT
- INLET PROTECTION
- A C D — INLET PROTECTION TYPE
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW

PROJECT NO: 6180-31-71	HWY: STH 21	COUNTY: WINNEBAGO	EROSION CONTROL - OAKWOOD RD	SHEET 80	E

FILE NAME : N:\3001455.00\CIVIL 3D\SHEETS\61803171-022001-EC.DWG
LAYOUT NAME - 61803171-022022-ec

PLOT DATE : 9/18/2025 9:33 AM PLOT BY : MATT TOMSOVIC PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

2

811'WB'
812'WB'
813'WB'
814'WB'
815'WB'
816'WB'
STH 21
411'EB'
412'EB'
413'EB'
414'EB'
415'EB'
416'EB'
C
MATCH LINE STA 416+75
SLOPE INTERCEPTS (TYP)
N WESTHAVEN DR
N

LEGEND

- EROSION MAT URBAN CLASS I, TYPE B
- EROSION MAT CLASS I TYPE B
- SILT FENCE
- RIPRAP MEDIUM
- ROCK BAG RELIEF
- SLOPE INTERCEPT
- INLET PROTECTION
- A C D INLET PROTECTION TYPE
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW

PRELIMINARY
NOT FOR CONSTRUCTION

PROJECT NO: 6180-31-71	HWY: STH 21	COUNTY: WINNEBAGO	EROSION CONTROL - WESTHAVEN DR	SHEET 81	E

FILE NAME : N:\3001455.00\CIVIL 3D\SHEETS\61803171-022001-EC.DWG
LAYOUT NAME - 61803171-022025-ec
PLOT DATE : 9/18/2025 9:33 AM
PLOT BY : MATT TOMSOVIC
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

04-138-0357 - 140 - MAY RAGHTS 534

2

2

N WESTHAVEN DR

N

817'WB' 818'WB' 819'WB' 820'WB' 821'WB' 822'WB'

STH 21

MATCH LINE STA 416+75

417'EB' 418'EB' 419'EB' 420'EB' 421'EB' 422'EB'

MATCH LINE STA 422+75

SLOPE INTERCEPTS (TYP)

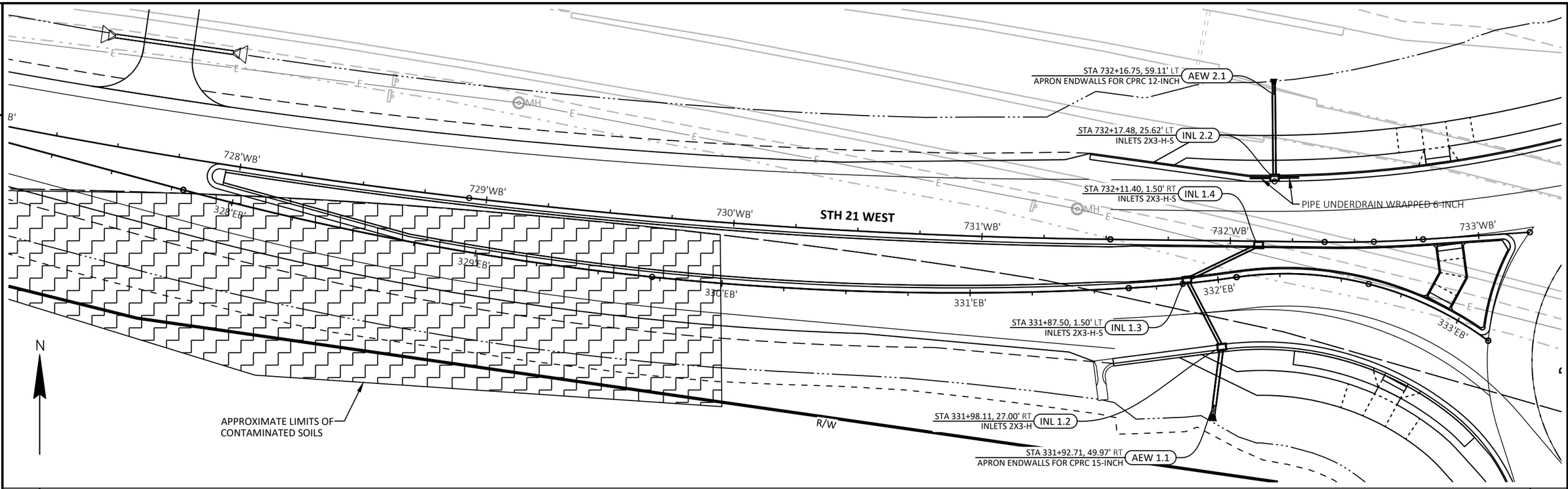
MATCH LINE STA 422+75

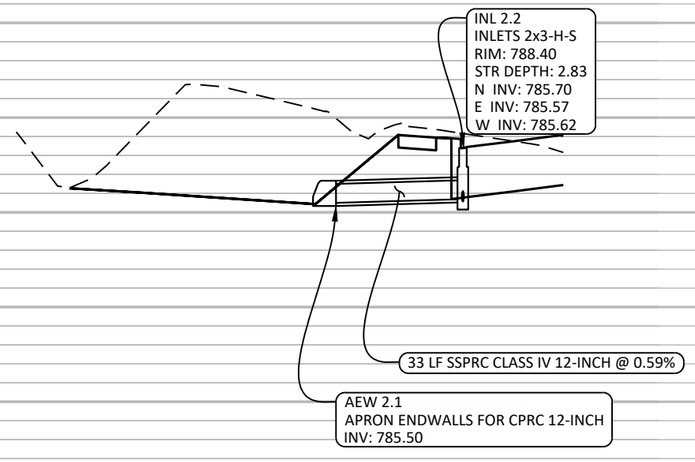
423'EB' 424'EB' 425'EB' 426'EB' 427'EB'

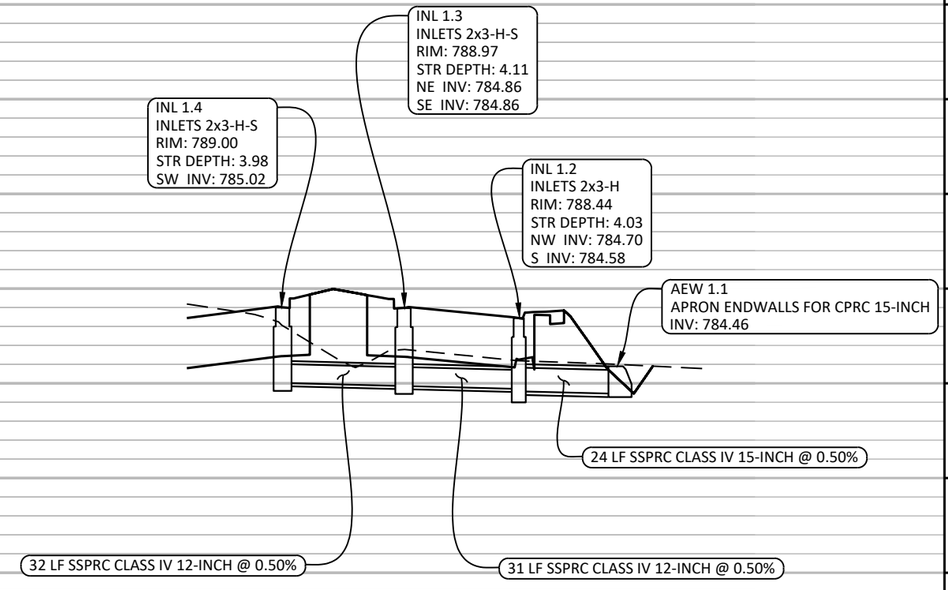
LEGEND

- EROSION MAT URBAN CLASS I, TYPE B
- EROSION MAT CLASS I TYPE B
- SILT FENCE
- RIPRAP MEDIUM
- ROCK BAG RELIEF
- SLOPE INTERCEPT
- INLET PROTECTION
- A C D — INLET PROTECTION TYPE
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW

PROJECT NO: 6180-31-71	HWY: STH 21	COUNTY: WINNEBAGO	EROSION CONTROL - WESTHAVEN DR	SHEET 82	E



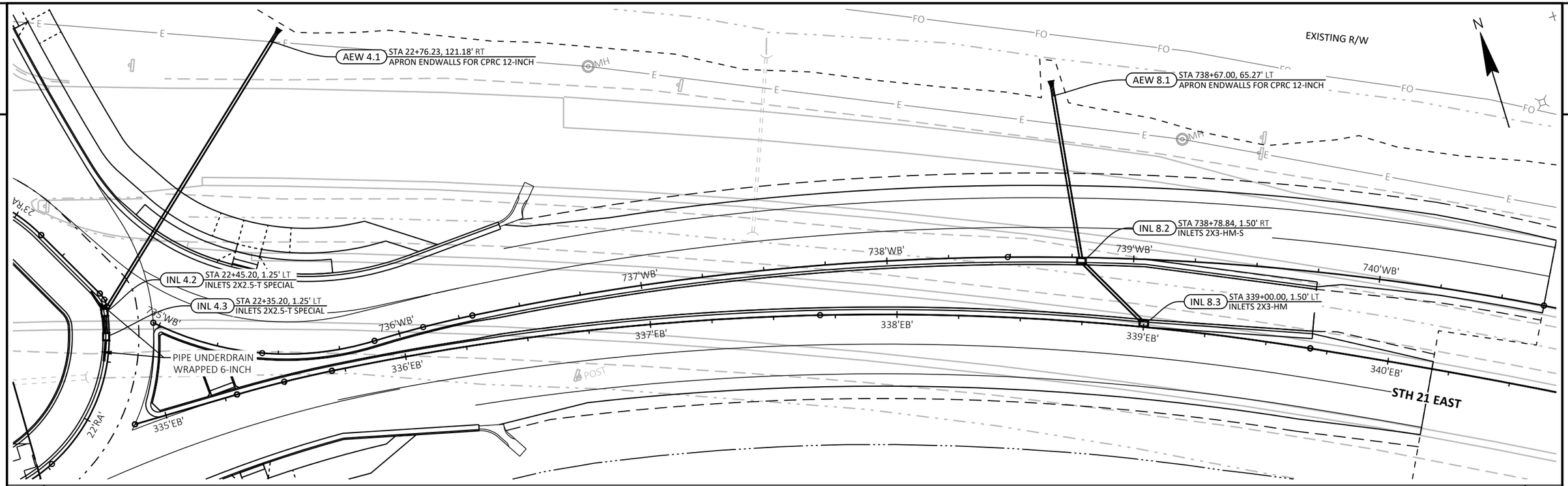


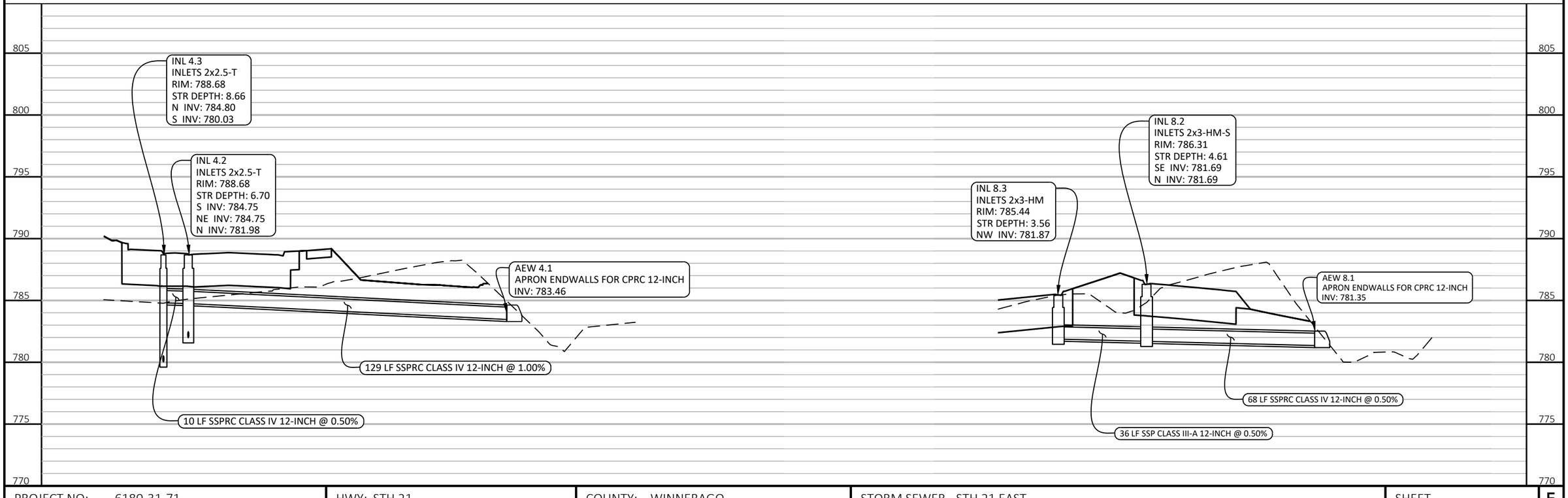


805 800 795 790 785 780 775 770

PROJECT NO: 6180-31-71	HWY: STH 21	COUNTY: WINNEBAGO	STORM SEWER - STH 21 WEST	SHEET 83	E

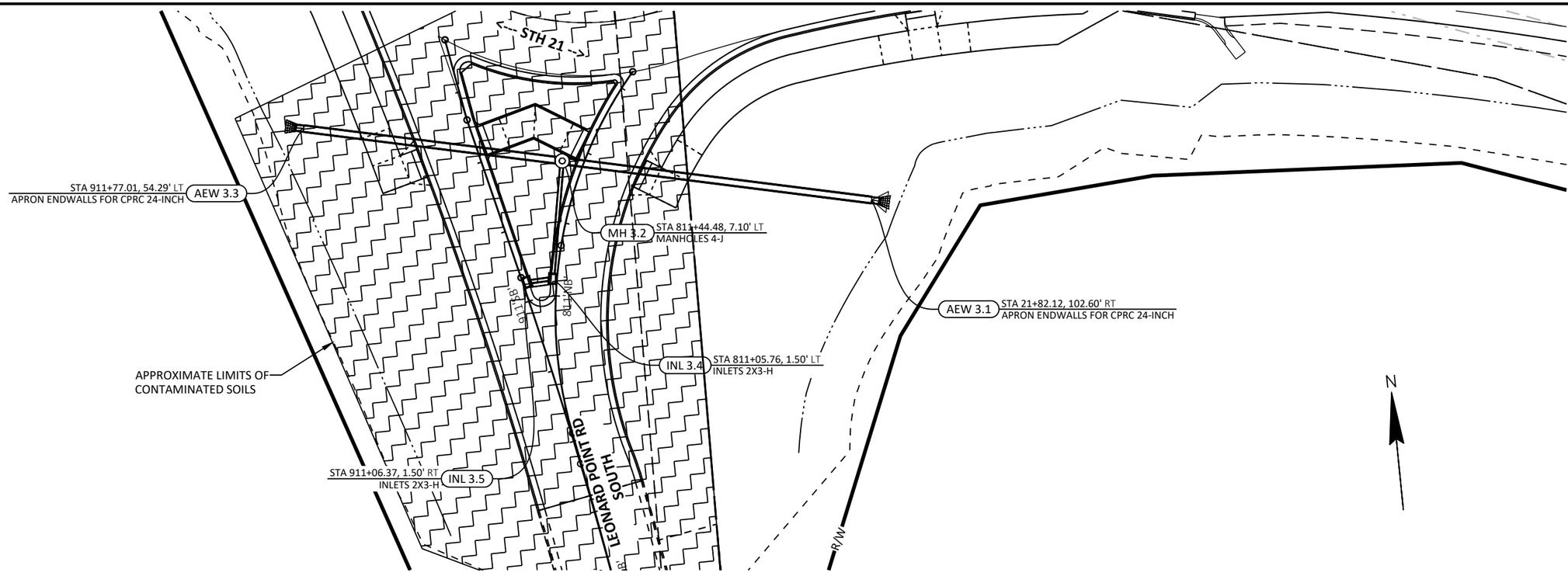
FILE NAME : N:\3001455.00\CIVIL 3D\SHEETS\61803171-022501-SS.DWG
LAYOUT NAME - 61803171-022501-ss
PLOT DATE : 2/11/2025 2:15 PM
PLOT BY : MATT TOMSOVIC
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 41

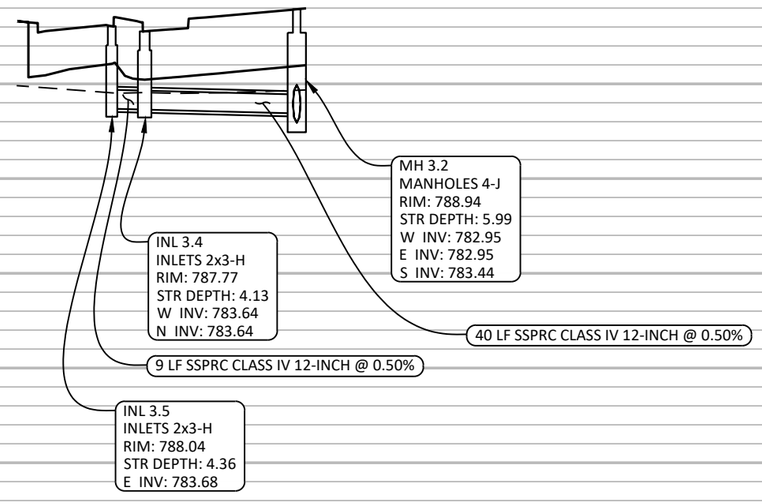


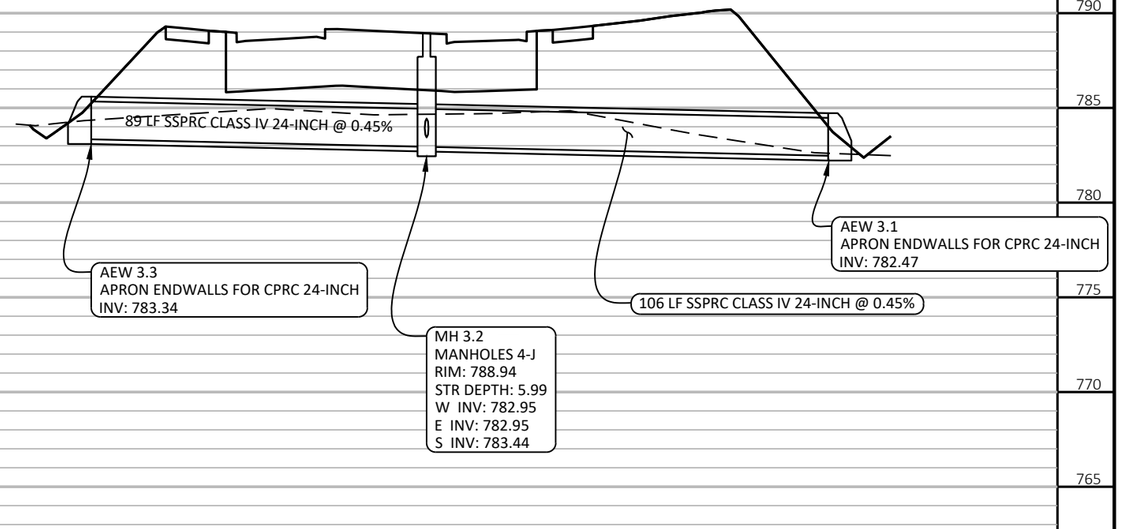


PROJECT NO: 6180-31-71	HWY: STH 21	COUNTY: WINNEBAGO	STORM SEWER - STH 21 EAST	SHEET 84 E

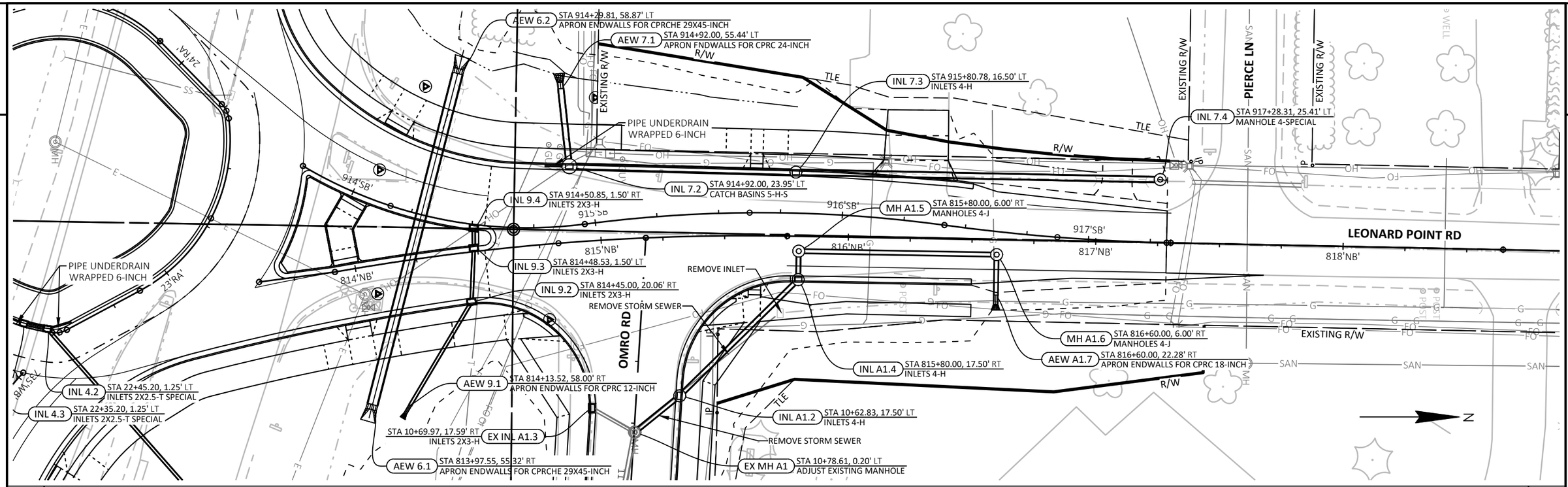
FILE NAME : N:\3001455.00\CIVIL 3D\SHEETS\61803171-022501-SS.DWG
LAYOUT NAME - 61803171-022502-ss
PLOT DATE : 4/14/2025 2:42 PM
PLOT BY : MATT TOMSOVIC
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 41

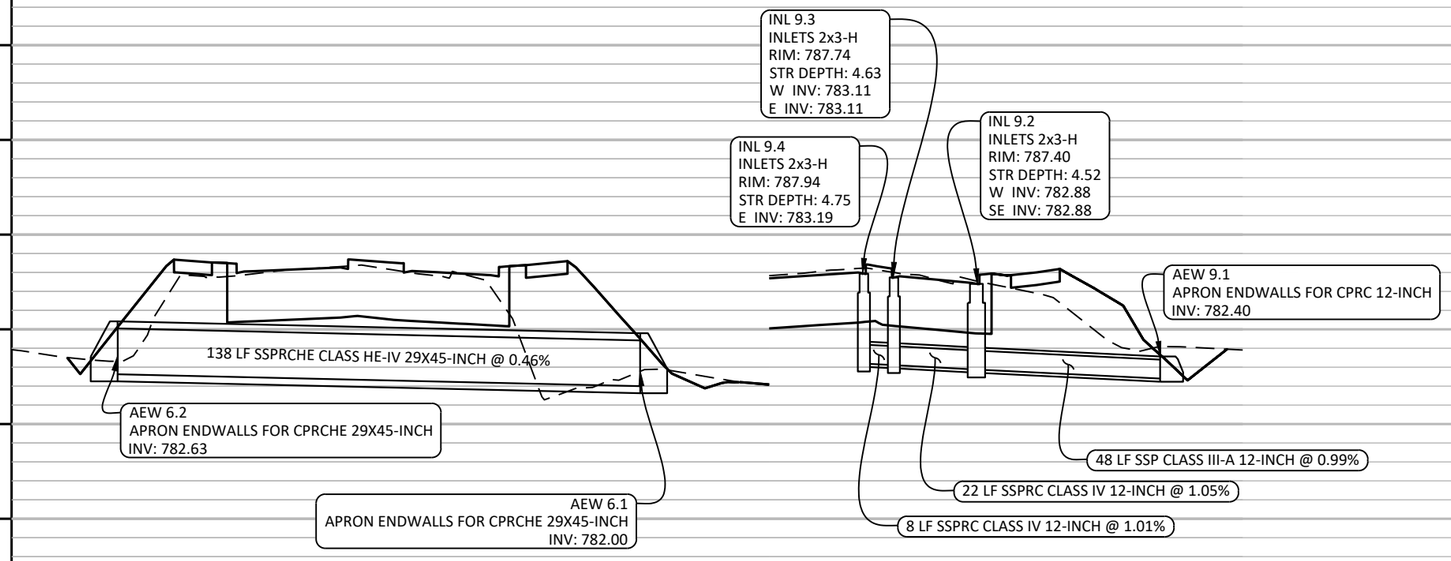




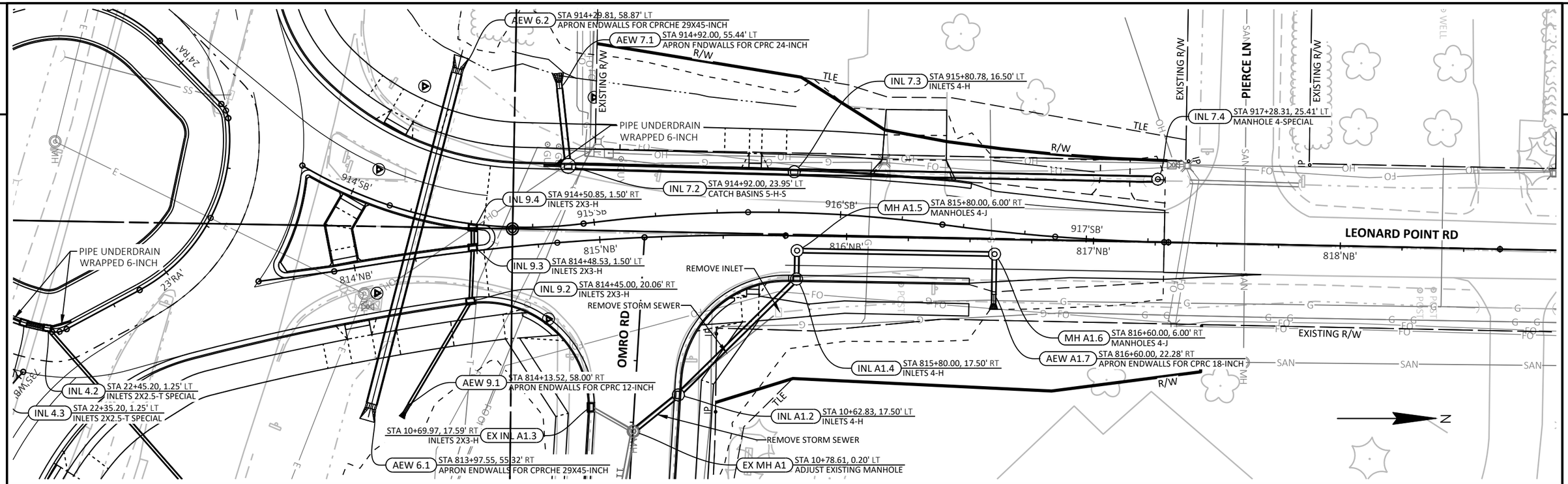


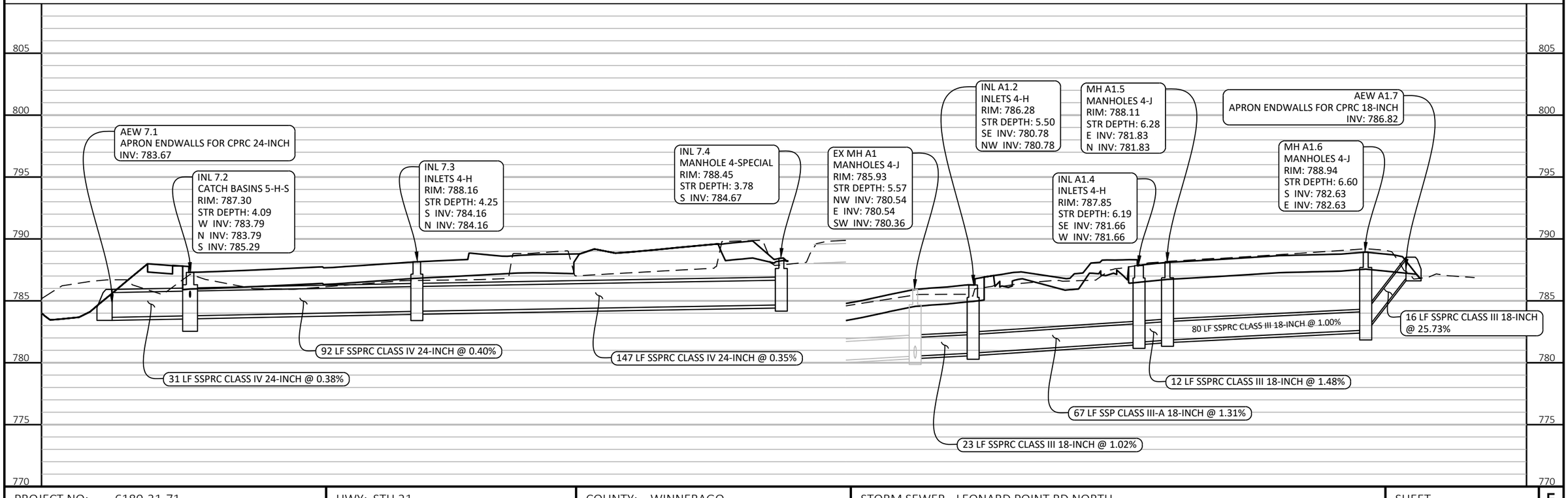
PROJECT NO: 6180-31-71	HWY: STH 21	COUNTY: WINNEBAGO	STORM SEWER - LEONARD POINT RD SOUTH	SHEET 85 E





PROJECT NO: 6180-31-71	HWY: STH 21	COUNTY: WINNEBAGO	STORM SEWER - LEONARD POINT RD NORTH	SHEET 86	E





PROJECT NO: 6180-31-71	HWY: STH 21	COUNTY: WINNEBAGO	STORM SEWER - LEONARD POINT RD NORTH	SHEET 87 E

EXISTING R/W

EX AEW 10.1 STA 787+78.54, 49.59' LT
APRON ENDWALLS FOR CPRC 18-INCH

STA 390+14.39, 40.12' LT
CONNECT TO EXISTING PIPE CC 11.2

MH 10.2 STA 387+83.21, 20.79' LT
INLETS 3-C

STA 390+14.45, 32.12' LT
CATCH BASINS 5-HM INL 11.3

N OAKWOOD RD

787'WB' 788'WB' 789'WB' 790'WB' 791'WB' 792'WB'

PC: 792'WB'+84.64

REMOVE ENDWALL

REMOVE STORM SEWER

REMOVE INLET

INL 11.8 STA 390+31.21, 1.50' LT
INLETS 2X3-HM

MH 12.2 STA 392+11.98, 23.27' LT
MANHOLES 4-C

REMOVE INLET

387'EB' 388'EB' 389'EB' 390'EB' 391'EB' 392'EB'

STA 390+14.49, 24.89' LT
CATCH BASINS 5-HM INL 11.4

STH 21

STA 392+00.00, 1.50' LT
INLETS 2X3-HM-S INL 12.3

STA 390+14.51, 16.89' LT
CONNECT TO EXISTING PIPE CC 11.5

CC 11.6 STA 390+14.65, 1.36' LT
CONNECT TO EXISTING PIPE

INL 12.4 STA 392+28.07, 12.99' LT
INLETS 2X3-HM-S

AEW 10.3 STA 387+20.00, 18.74' LT
APRON ENDWALLS FOR CULVERT PIPE SLOPED SIDE DRAINS STEEL 15-INCH 6 TO 1

N

MH 10.2
INLETS 3-C
RIM: 784.22'
FRAME HT: 0.74'
ADJ HT: 0.50'
RIM TO BOTTOM: 3.32'
SUMP DEPTH: 0.07'
W INV: 780.98'
N INV: 780.98'

INL 11.3
CATCH BASINS 5-HM
RIM: 782.70'
FRAME HT: 0.50'
ADJ HT: 0.50'
RIM TO BOTTOM: 5.25'
SUMP DEPTH: 0.00'
N INV: 777.46'
S INV: 777.46'

INL 11.4
CATCH BASINS 5-HM
RIM: 782.51'
FRAME HT: 0.50'
ADJ HT: 0.50'
RIM TO BOTTOM: 5.02'
SUMP DEPTH: 0.00'
S INV: 777.49'
N INV: 777.49'

INL 11.8
INLETS 2X3-HM
RIM: 782.81'
FRAME HT: 0.50'
ADJ HT: 0.50'
RIM TO BOTTOM: 4.05'
SUMP DEPTH: 0.00'
W INV: 778.76'

EX AEW 10.1
APRON ENDWALLS FOR CPRC 18-INCH
INV: 777.85

785 780 775 770

63 LF SSP CLASS III-A 15-INCH @ 2.12%

AEW 10.3
APRON ENDWALLS FOR CULVERT PIPE SLOPED SIDE DRAINS STEEL 15-INCH 6 TO 1
INV: 782.32

8 LF SSPRC CLASS IV 36-INCH @ 0.45%

8 LF SSPRC CLASS IV 36-INCH @ 0.45%

7 LF SSPRC CLASS IV 36-INCH @ 0.45%

17 LF SSPRC CLASS IV 12-INCH @ 1.00%

PROJECT NO: 6180-31-71	HWY: STH 21	COUNTY: WINNEBAGO	STORM SEWER - OAKWOOD RD	SHEET 88 E

EXISTING R/W

EX AEW 10.1 STA 787+78.54, 49.59' LT
APRON ENDWALLS FOR CPRC 18-INCH

STA 390+14.39, 40.12' LT
CONNECT TO EXISTING PIPE CC 11.2

MH 10.2 STA 387+83.21, 20.79' LT
INLETS 3-C

STA 390+14.45, 32.12' LT
CATCH BASINS 5-HM INL 11.3

REMOVE ENDWALL

REMOVE STORM SEWER

REMOVE INLET

INL 11.8 STA 390+31.21, 1.50' LT
INLETS 2X3-HM

MH 12.2 STA 392+11.98, 23.27' LT
MANHOLES 4-C

REMOVE INLET

STA 390+14.49, 24.89' LT
CATCH BASINS 5-HM INL 11.4

STA 390+14.51, 16.89' LT
CONNECT TO EXISTING PIPE CC 11.5

CC 11.6 STA 390+14.65, 1.36' LT
CONNECT TO EXISTING PIPE

STA 392+00.00, 1.50' LT
INLETS 2X3-HM-S INL 12.3

INL 12.4 STA 392+28.07, 12.99' LT
INLETS 2X3-HM-S

AEW 10.3 STA 387+20.00, 18.74' LT
APRON ENDWALLS FOR CULVERT PIPE SLOPED SIDE DRAINS STEEL 15-INCH 6 TO 1

N OAKWOOD RD

STH 21

787'WB' 788'WB' 789'WB' 790'WB' 791'WB' 792'WB'

387'EB' 388'EB' 389'EB' 390'EB' 391'EB' 392'EB'

PC: 792'WB' +84.64

MH 12.2
MANHOLES 4-C
RIM: 782.06'
FRAME HT: 0.74'
ADJ HT: 0.50'
RIM TO BOTTOM: 3.45'
SUMP DEPTH: 0.00'
SW INV: 778.61'
SE INV: 779.63'
W INV: 778.61'

INL 12.3
INLETS 2X3-HM-S
RIM: 782.55'
FRAME HT: 0.50'
ADJ HT: 0.50'
RIM TO BOTTOM: 2.17'
SUMP DEPTH: 0.00'
NE INV: 780.38'

25 LF SSPRC CLASS IV 12-INCH @ 7.13%

MH 12.2
MANHOLES 4-C
RIM: 782.06'
FRAME HT: 0.74'
ADJ HT: 0.50'
RIM TO BOTTOM: 3.45'
SUMP DEPTH: 0.00'
SW INV: 778.61'
SE INV: 779.63'
W INV: 778.61'

INL 12.4
INLETS 2X3-HM-S
RIM: 781.85'
FRAME HT: 0.50'
ADJ HT: 0.50'
RIM TO BOTTOM: 2.17'
SUMP DEPTH: 0.00'
NW INV: 779.68'

19 LF SSPRC CLASS IV 12-INCH @ 0.28%

785 780 775 770

PROJECT NO: 6180-31-71	HWY: STH 21	COUNTY: WINNEBAGO	STORM SEWER - OAKWOOD RD	SHEET 89 E

FILE NAME : N:\3001455.00\CIVIL 3D\SHEETS\61803171-022502-SS.DWG
LAYOUT NAME - 61803171-022522-ss

PLOT DATE : 2/10/2025 10:04 AM PLOT BY : CRAIG KNUTH PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 41

EXISTING R/W

EX AEW 13.1 STA 813+52.14, 53.51' LT
APRON ENDWALLS FOR CPRC 18-INCH

STA 816+06.56, 75.00' LT AEW 20.3
APRON ENDWALLS FOR CULVERT PIPE STEEL 24-INCH

CC 20.2 STA 416+36.11, 108.35' LT
CONCRETE COLLAR

STA 416+24.26, 96.44' LT AEW 15.1
APRON ENDWALLS FOR CPRC 12-INCH

REMOVE ENDWALL

STA 416+24.91, 92.42' LT CC 15.2
CONCRETE COLLAR

REMOVE ENDWALL

N WESTHAVEN DR

EXISTING R/W

MH 13.2 STA 413+75.25, 21.19' LT
INLETS 3-C

STA 416+04.46, 31.54' LT INL 15.4
INLETS 2X3-HM

MH 15.3 STA 416+35.08, 29.29' LT
MANHOLES 3-J

REMOVE INLET

STA 416+05.27, 25.06' LT INL 15.5
INLETS 2X3-HM

813'WB' 814'WB' 815'WB' 816'WB' 817'WB' 818'WB'

413'EB' 414'EB' 415'EB' 416'EB' 417'EB' 418'EB'

STH 21

AEW 13.3 STA 412+92.76, 18.05' LT
APRON ENDWALLS FOR CULVERT PIPE SLOPED SIDE DRAINS STEEL 15-INCH 6 TO 1

INL 15.6 STA 416+16.59, 1.50' LT
INLETS 2X3-HM

N

2

2

780
775
770
765

MH 13.2
INLETS 3-C
RIM: 777.51'
FRAME HT: 0.74'
ADJ HT: 0.50'
RIM TO BOTTOM: 3.23'
SUMP DEPTH: 0.00'
SW INV: 774.28'
NW INV: 774.28'

EX AEW 13.1
APRON ENDWALLS FOR CPRC 18-INCH
INV: 770.46

83 LF SSP CLASS III-A 15-INCH @ 1.69%

AEW 13.3
APRON ENDWALLS FOR CULVERT PIPE SLOPED SIDE DRAINS STEEL 15-INCH 6 TO 1
INV: 775.67

INL 15.4
INLETS 2X3-HM
RIM: 775.00'
FRAME HT: 0.50'
ADJ HT: 0.50'
RIM TO BOTTOM: 3.71'
SUMP DEPTH: 0.00'
SE INV: 771.28'
NE INV: 771.28'

INL 15.5
INLETS 2X3-HM
RIM: 774.75'
FRAME HT: 0.50'
ADJ HT: 0.50'
RIM TO BOTTOM: 3.43'
SUMP DEPTH: 0.00'
SE INV: 771.32'
NW INV: 771.32'

MH 15.3
MANHOLES 3-J
RIM: 774.50'
FRAME HT: 0.74'
ADJ HT: 0.50'
RIM TO BOTTOM: 3.98'
SUMP DEPTH: 0.00'
SW INV: 770.52'
NW INV: 770.52'

INL 15.6
INLETS 2X3-HM
RIM: 774.97'
FRAME HT: 0.50'
ADJ HT: 0.50'
RIM TO BOTTOM: 3.52'
SUMP DEPTH: 0.00'
NW INV: 771.45'

AEW 15.1
APRON ENDWALLS FOR CPRC 12-INCH
INV: 767.15

AEW 20.3
APRON ENDWALLS FOR CULVERT PIPE STEEL 24-INCH
INV: 765.59

26 LF SSPRC CLASS IV 12-INCH @ 0.50%

7 LF SSPRC CLASS IV 12-INCH @ 0.54%

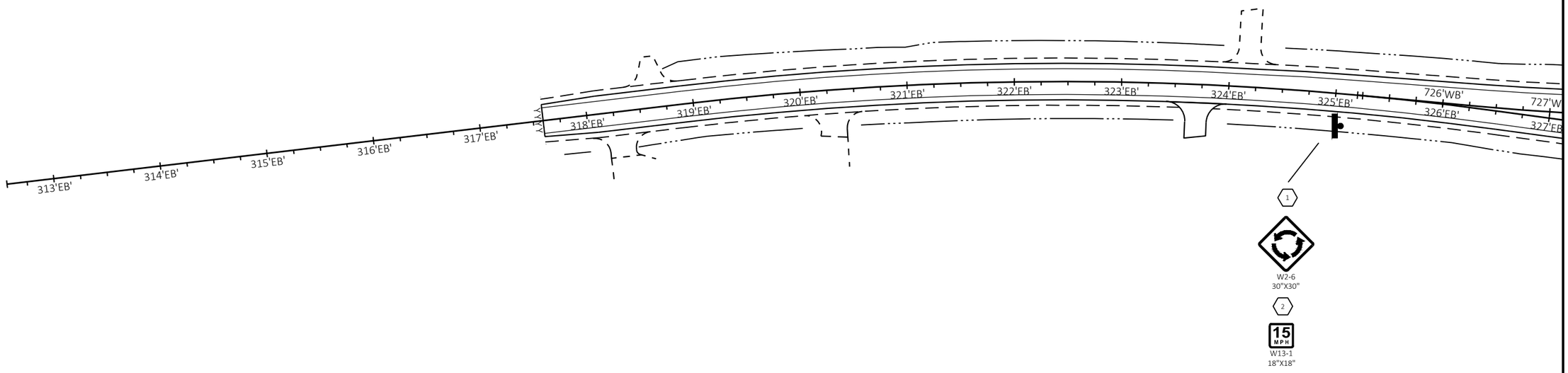
31 LF SSPRC CLASS IV 12-INCH @ 2.49%

4 LF SSPRC CLASS IV 12-INCH @ 4.95%

6 LF CPCS 24-INCH @ 0.13%

PROJECT NO: 6180-31-71	HWY: STH 21	COUNTY: WINNEBAGO	STORM SEWER - WESTHAVEN DR	SHEET 90	E

2



PROJECT NO: 6180-31-71	HWY: STH 21	COUNTY: WINNEBAGO	PERMANENT SIGNING	SHEET 91	E

2

S-70-0390
STA 914+50SB
OVERHEAD
CANTILEVER
SIGN SUPPORT

W2-6
30"X30"
17

W13-1
18"X18"
18

R4-7
24"X30"
19

R3-5X
42"X48"
20

R3-6R
42"X48"
21

R2-1
24"X30"
26

R1-1
30"X30"
27

27A

W1-7
48"X24"

D1-1
60"X24"
25

R4-7
36"X48"
4

W5-54
18"X18"
5

R2-1
24"X30"
6

J4-1
24"X36"
7

D1-1
42"X24"
12

R1-2
36"X31"
23

24

J3-2
48"X57"
22

R1-2
36"X31"
35

36

R3-6X
42"X48"
40

R3-6R
42"X48"
41

S-70-0392
STA 738+50 WB
OVERHEAD
CANTILEVER
SIGN SUPPORT

R6-1R
54"X18"
13

14

15

16

D1-62
96" x 48"
3

R3-6X
42"X48"
8

R3-6R
42"X48"
9

S-70-0391
STA 331+63 EB
OVERHEAD
CANTILEVER
SIGN SUPPORT

R1-2
36"X31"
10

11

D1-1
60"X24"
28

D1-1
42"X24"
37

R4-7
24"X30"
31

R1-2
36"X31"
29

30

J4-1
36"X54"
38

R2-1
36"X48"
39

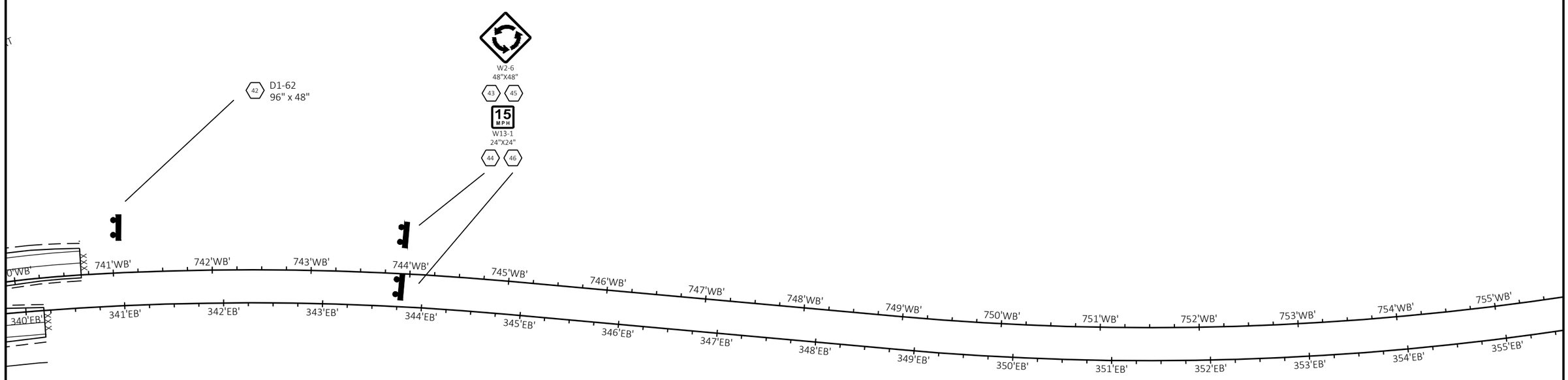
W2-6
30"X30"
33

W13-1
18"X18"
34

J3-2
48"X57"
32

PROJECT NO: 6180-31-71 | HWY: STH 21 | COUNTY: WINNEBAGO | PERMANENT SIGNING | SHEET 92 E

2



PROJECT NO: 6180-31-71	HWY: STH 21	COUNTY: WINNEBAGO	PERMANENT SIGNING	SHEET 93	E

2

N

R1

WATCH FOR ENTERING TRAFFIC

W8-75

PROJECT NO: 6180-31-71	HWY: STH 21	COUNTY: WINNEBAGO	SIGNING REMOVALS	SHEET 94	E

FILE NAME : C:\BOXDRV\BOX\DTSD\DTSD-NER\OPS\TRAFFIC\SIGNING\SIGNING - ERIC\PROJECTS\6180-31-71\61813100_REMOVALS.DWG
LAYOUT NAME - 61803171_1

PLOT DATE : 2/18/2025 2:30 PM PLOT BY : SIKORSKI, ERIC T PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

2

W3-1 R16

SPEED LIMIT 35 R15 R2-1

STOP R14 R1-1

W1-7 48"X24" R13

R4-7 R2

DO NOT ENTER R5-1 R3

WRONG WAY R5-1A R6

S3-1

W6-2 R7

STOP R1-1 R10 R11

DO NOT ENTER R5-1 R18

WRONG WAY R5-1A R19

D1-1 R20

R4 D1-1

R5 WRONG WAY R5-1A

R12 ONE WAY R6-2L

R8 DO NOT ENTER R5-1

R9 ONE WAY R6-2L

R17 R4-7

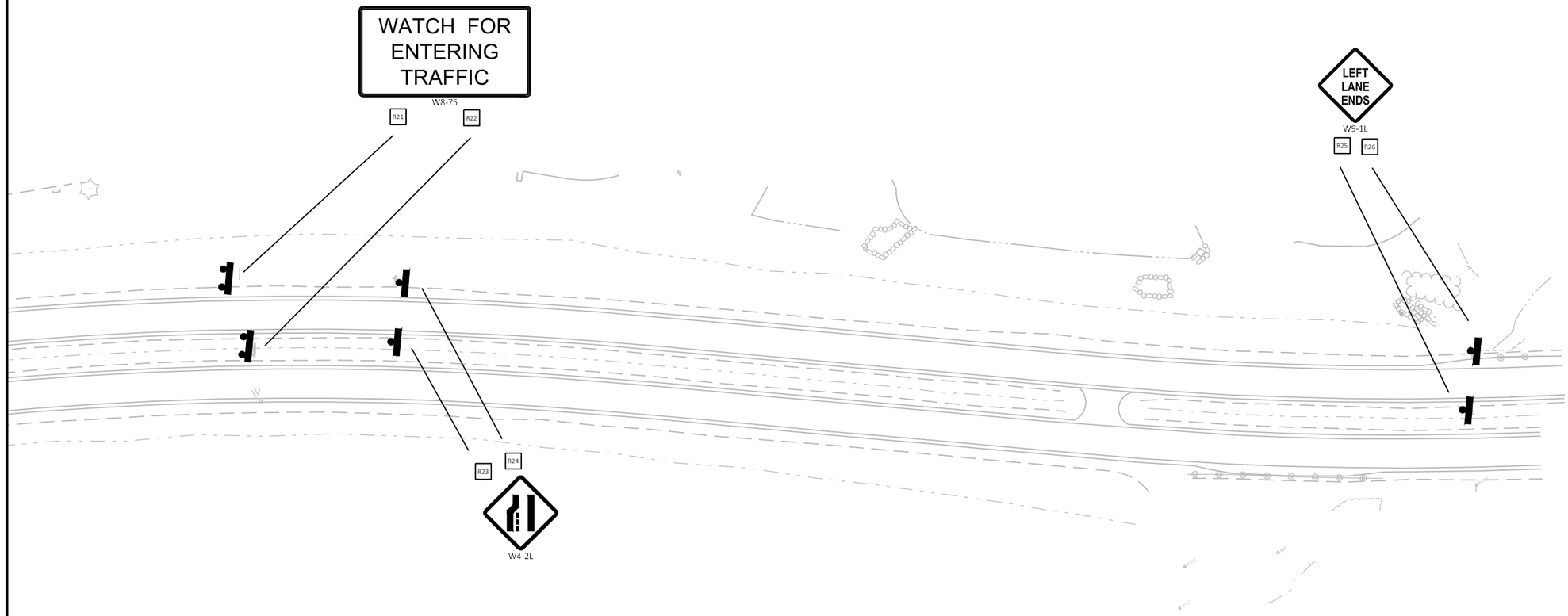
N

PROJECT NO: 6180-31-71	HWY: STH 21	COUNTY: WINNEBAGO	SIGNING REMOVALS	SHEET 95	E

FILE NAME : C:\BOXDRV\BOX\DTSD\DTSD-NER\OPS\TRAFFIC\SIGNING\SIGNING - ERIC\PROJECTS\6180-31-71\61813100_REMOVALS.DWG
LAYOUT NAME - 61803171_2

PLOT DATE : 2/18/2025 2:30 PM PLOT BY : SIKORSKI, ERIC T PLOT NAME : PLOT SCALE : 1 IN:100 FT

2



PROJECT NO: 6180-31-71	HWY: STH 21	COUNTY: WINNEBAGO	SIGNING REMOVALS	SHEET 96	E

2

N

MATCH LINE

LEONARD POINT RD

OMRO RD

REMOVE CONCRETE BASE

REMOVE PULLBOX

CB1

PB3

REMOVE PULLBOX

PB2

LINE

LINE

STH 21 Posted Speed Limit is 55 mph

5

10

10

15

STH 21 Posted Speed Limit is 55 mph

REMOVE PULLBOX

PB6

FB1

PB7

REMOVE PULLBOX

REMOVE CONCRETE BASE

POST

MATCH

MATCH

2

LEGEND

CONCRETE BASE, TYPE 5 SPECIAL - WITH CONTROL CABINET (STATE FURNISHED AND INSTALLED)

CONCRETE BASE, TYPE 5 - WITH POLE, TYPE 5 AND TRANSFORMER BASE(STATE FURNISHED AND INSTALLED)

NONMETALLIC CONDUIT 3", UNLESS OTHERWISE NOTED

OR SIGN ON WOODEN POSTS

CONCRETE BASE, TYPE 1 - WITH POLE, 15' STANDARD AND PEDESTAL BASE (STATE FURNISHED AND INSTALLED), 12" YELLOW FLASHING LED BEACON (STATE FURNISHED AND INSTALLED)

E UNDERGROUND ELECTRIC

OH OVERHEAD UTILITY LINES

PULL BOX, 24" x 42" (STATE FURNISHED)

MICROWAVE LOOP DETECTOR (MICROWAVE)

MICROWAVE UNIT (STATE FURNISHED AND INSTALLED)

X SIGNAL HEAD NUMBER
Y MOUNTING CONFIGURATION

TRAFFIC CONTROL BEACON
STH 21 & Leonard Point Rd
Town of Algoma
Winnebago County

FLASHER NO. 70-2004

DRAFTED BY: JMM PAGE 2 OF 3

PROJECT NO: 6180-31-71	HWY: STH 21	COUNTY: WINNEBAGO	TRAWS - STH 21 & LEONARD POINT RD REMOVAL	SHEET 97	E

FILE NAME : F:\D3_TRAFFI\L70-2084 (21 & LEONARD POINT RD) RAB\F70-2004 REMOVAL.DWG
LAYOUT NAME - F70-2004-TRAWS-2

PLOT DATE : 5/16/2025 6:53 AM PLOT BY : TALCOTT, MATTHEW J PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2

N

POST

LINE

STH 21

5

STH 21

10

FB3

PB9

REMOVE PULLBOX

REMOVE CONCRETE BASE

FB2

PB8

REMOVE PULLBOX

MATCH

TRAFFIC CONTROL BEACON
STH 21 & Leonard Point Rd
Town of Algoma
Winnebago County

FLASHER NO. 70-2004

DRAFTED BY: JMM

PAGE 1 OF 3

PROJECT NO: 6180-31-71	HWY: STH 21	COUNTY: WINNEBAGO	TRAWS - STH 21 & LEONARD POINT RD REMOVAL	SHEET 98	E

FILE NAME : F:\D3_TRAFFI\L70-2084 (21 & LEONARD POINT RD) RAB\F70-2004 REMOVAL.DWG
LAYOUT NAME - F70-2004-TRAWS-1

PLOT DATE : 5/16/2025 6:53 AM PLOT BY : TALCOTT, MATTHEW J PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2

N

REMOVE PULLBOX

REMOVE PULLBOX

REMOVE CONCRETE BASE

REMOVE PULLBOX

PB2

PB3

PB4

PB5

FB4

FB5

FB6

FB7

LINE

STH 21

STH 21

10

15

20

POST

MATCH

TRAFFIC CONTROL BEACON
STH 21 & Leonard Point Rd
Town of Algoma
Winnebago County

FLASHER NO. 70-2004

DRAFTED BY: JMM

PAGE 3 OF 3

PROJECT NO: 6180-31-71	HWY: STH 21	COUNTY: WINNEBAGO	TRAWS - STH 21 & LEONARD POINT RD REMOVAL	SHEET 99	E

FILE NAME : F:\D3_TRAFFI\L70-2084 (21 & LEONARD POINT RD) RAB\F70-2004 REMOVAL.DWG
LAYOUT NAME - F70-2004-TRAWS-3

PLOT DATE : 5/16/2025 6:54 AM PLOT BY : TALCOTT, MATTHEW J PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

N

NOTES:

WISCONSIN DOT NORTHEAST REGION ELECTRICAL UNIT SHALL APPROVE FINAL LOCATIONS FOR ALL CONCRETE BASES IN THE FIELD PRIOR TO CONSTRUCTION. CONTACT THEM 3 DAYS IN ADVANCE.

THE LOCATION OF EXISTING AND PROPOSED UTILITIES AS SHOWN ON THE PLANS ARE APPROXIMATE. IN ADDITION, THERE MAY BE OTHER UTILITIES WITHIN THE PROJECT AREA WHICH ARE NOT SHOWN. THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL UTILITIES PRIOR TO CONSTRUCTION.

CONDUCTOR COLOR SCHEME

Circuit "A" = Black
Circuit "B" = Red
Circuit "C" = Blue
Circuit "D" = Brown
Circuit "E" = Orange
Circuit "F" = Yellow

A

A

III-LED A-12-5-D-3

LB20

III-LED A-12-5-D-5

LB22

PB11

III-LED A-12-5-D-2

LB19

PB10

PB12

LB1

III-LED A-12-5-A-1

CB1

PB1

C

730'WB'

731'WB'

732'WB'

738'WB'

III-LED A-12-5-C-3

III-LED A-12-5-D-1

PB9

III-LED A-12-5-C-2

LB18

330'EB'

332'EB'

LB14

LB13

LB2

B

PB2

III-LED A-12-5-B-1

LB7

PB3

III-LED A-12-5-C-1

LB12

PB8

C

736'WB'

335'EB'

336'EB'

PB4

LB11

PB6

III-LED A-12-5-B-5

PB7

III-LED A-12-5-B-2

LB8

B

LB10

III-LED A-12-5-B-4

PB5

III-LED A-12-5-B-3

LB9

LEGEND

LIGHTING CONTROL CABINET (Type 10) WITH METER BREAKER PEDESTAL	
2" CONDUIT, NON-METALLIC (unless otherwise noted)	
LIGHTING UNIT	
PULL BOX 24" X 42"	
UTILITY POLE	
ELECTRIC, UNDERGROUND	— E —
ELECTRIC, OVERHEAD	— OH —

EXAMPLE (see individual label on each lighting unit)

III-LED A-12-5-A-4

- LIGHT UNIT NUMBER IN CIRCUIT
- CIRCUIT ID
- BASE TYPE
- MAST ARM LENGTH (in feet)
- LAMP WATTAGE
- DISTRIBUTION TYPE

240 VOLT SYSTEM

120/240 VOLT ELECTRIC SERVICE

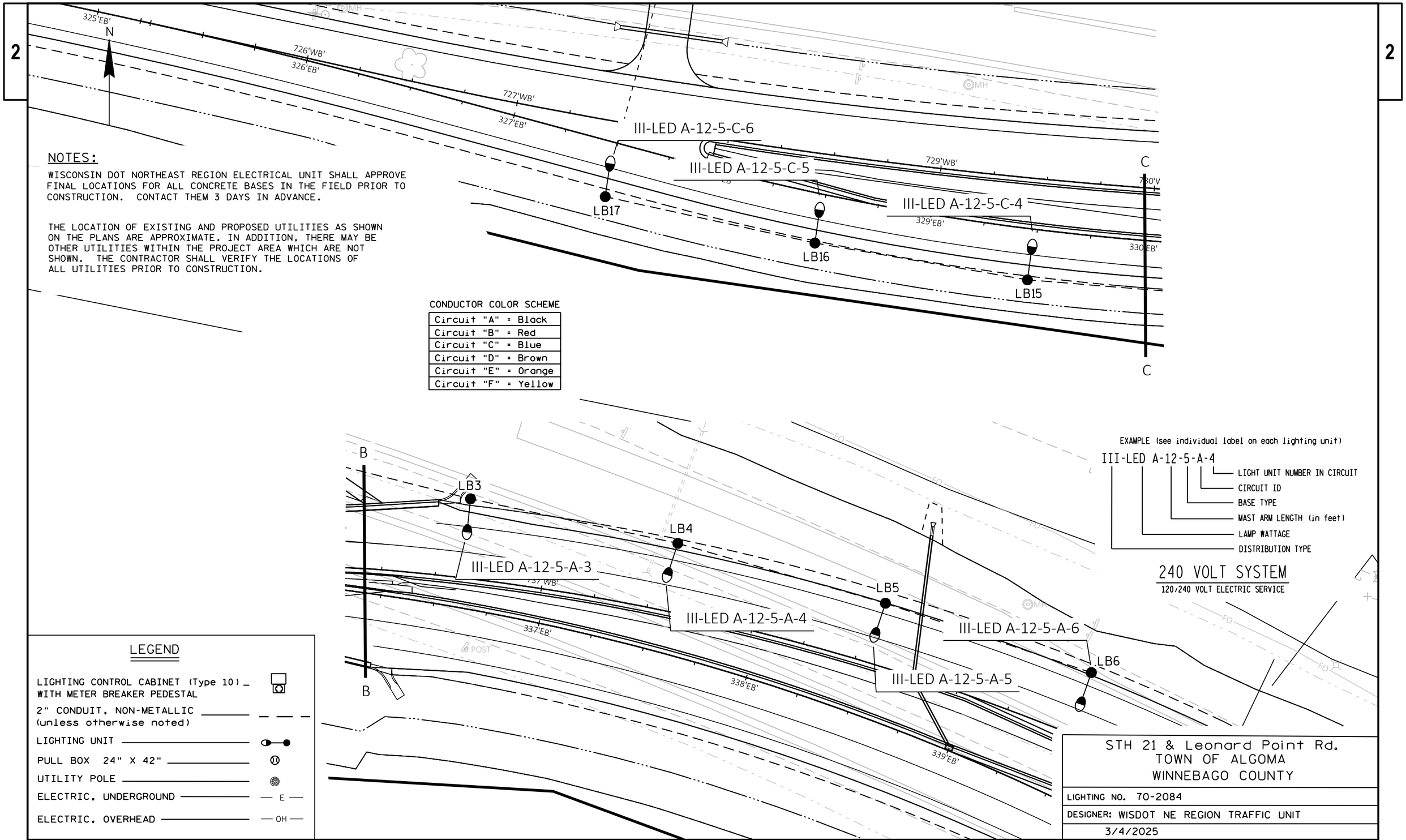
STH 21 & Leonard Point Rd.
TOWN OF ALGOMA
WINNEBAGO COUNTY

LIGHTING NO. 70-2084

DESIGNER: WISDOT NE REGION TRAFFIC UNIT

3/4/2025

PROJECT NO: 6180-31-71	HWY: STH 21	COUNTY: WINNEBAGO	CONSTRUCTION DETAIL - ROUNDABOUT LIGHTING	SHEET 100	E



NOTES:

WISCONSIN DOT NORTHEAST REGION ELECTRICAL UNIT SHALL APPROVE FINAL LOCATIONS FOR ALL CONCRETE BASES IN THE FIELD PRIOR TO CONSTRUCTION. CONTACT THEM 3 DAYS IN ADVANCE.

THE LOCATION OF EXISTING AND PROPOSED UTILITIES AS SHOWN ON THE PLANS ARE APPROXIMATE. IN ADDITION, THERE MAY BE OTHER UTILITIES WITHIN THE PROJECT AREA WHICH ARE NOT SHOWN. THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL UTILITIES PRIOR TO CONSTRUCTION.

CONDUCTOR COLOR SCHEME

Circuit "A" = Black
Circuit "B" = Red
Circuit "C" = Blue
Circuit "D" = Brown
Circuit "E" = Orange
Circuit "F" = Yellow

EXAMPLE (see individual label on each lighting unit)

III-LED A-12-5-A-4

- LIGHT UNIT NUMBER IN CIRCUIT
- CIRCUIT ID
- BASE TYPE
- MAST ARM LENGTH (in feet)
- LAMP WATTAGE
- DISTRIBUTION TYPE

240 VOLT SYSTEM

120/240 VOLT ELECTRIC SERVICE

LEGEND

- LIGHTING CONTROL CABINET (Type 10) WITH METER BREAKER PEDESTAL
- 2" CONDUIT, NON-METALLIC (unless otherwise noted) ——— — — —
- LIGHTING UNIT ———
- PULL BOX 24" X 42" ———
- UTILITY POLE ———
- ELECTRIC, UNDERGROUND ——— — E —
- ELECTRIC, OVERHEAD ——— — OH —

STH 21 & Leonard Point Rd.
TOWN OF ALGOMA
WINNEBAGO COUNTY

LIGHTING NO. 70-2084

DESIGNER: WISDOT NE REGION TRAFFIC UNIT

3/4/2025

PROJECT NO: 6180-31-71	HWY: STH 21	COUNTY: WINNEBAGO	CONSTRUCTION DETAIL - ROUNDABOUT LIGHTING	SHEET 101	E

2

N

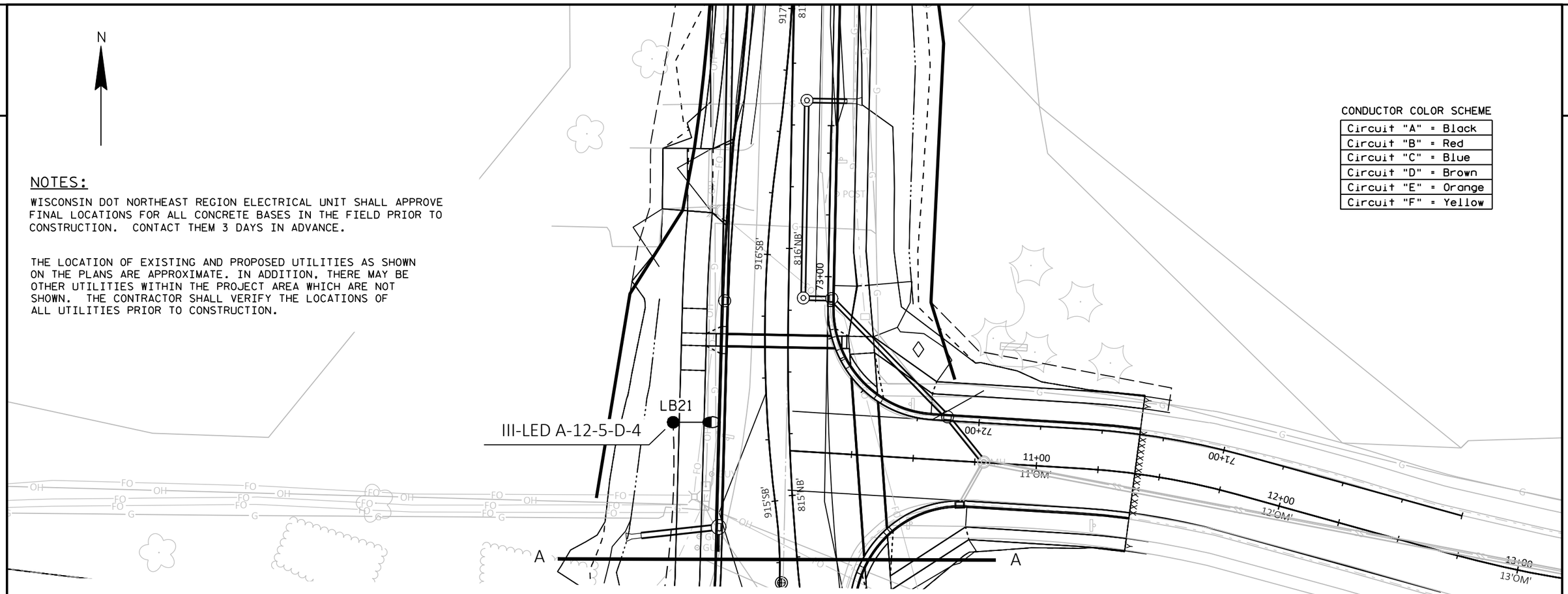
NOTES:

WISCONSIN DOT NORTHEAST REGION ELECTRICAL UNIT SHALL APPROVE FINAL LOCATIONS FOR ALL CONCRETE BASES IN THE FIELD PRIOR TO CONSTRUCTION. CONTACT THEM 3 DAYS IN ADVANCE.

THE LOCATION OF EXISTING AND PROPOSED UTILITIES AS SHOWN ON THE PLANS ARE APPROXIMATE. IN ADDITION, THERE MAY BE OTHER UTILITIES WITHIN THE PROJECT AREA WHICH ARE NOT SHOWN. THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL UTILITIES PRIOR TO CONSTRUCTION.

CONDUCTOR COLOR SCHEME

Circuit "A" = Black
Circuit "B" = Red
Circuit "C" = Blue
Circuit "D" = Brown
Circuit "E" = Orange
Circuit "F" = Yellow



LEGEND

- LIGHTING CONTROL CABINET (Type 10) WITH METER BREAKER PEDESTAL
- 2" CONDUIT, NON-METALLIC (unless otherwise noted)
- LIGHTING UNIT
- PULL BOX 24" X 42"
- UTILITY POLE
- ELECTRIC, UNDERGROUND — E —
- ELECTRIC, OVERHEAD — OH —

EXAMPLE (see individual label on each lighting unit)

III-LED A-12-5-A-4

- LIGHT UNIT NUMBER IN CIRCUIT
- CIRCUIT ID
- BASE TYPE
- MAST ARM LENGTH (in feet)
- LAMP WATTAGE
- DISTRIBUTION TYPE

240 VOLT SYSTEM

120/240 VOLT ELECTRIC SERVICE

STH 21 & Leonard Point Rd.
TOWN OF ALGOMA
WINNEBAGO COUNTY

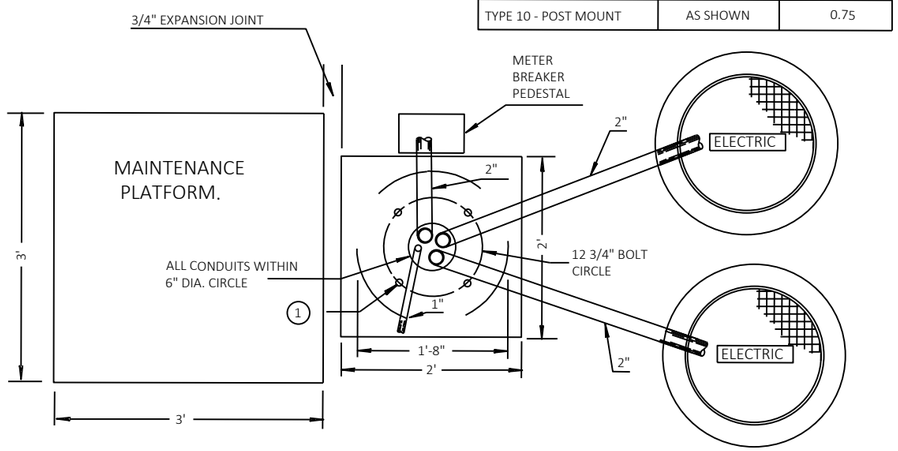
GHTING NO. 70-2084

SIGNER: WISDOT NE REGION TRAFFIC UNIT

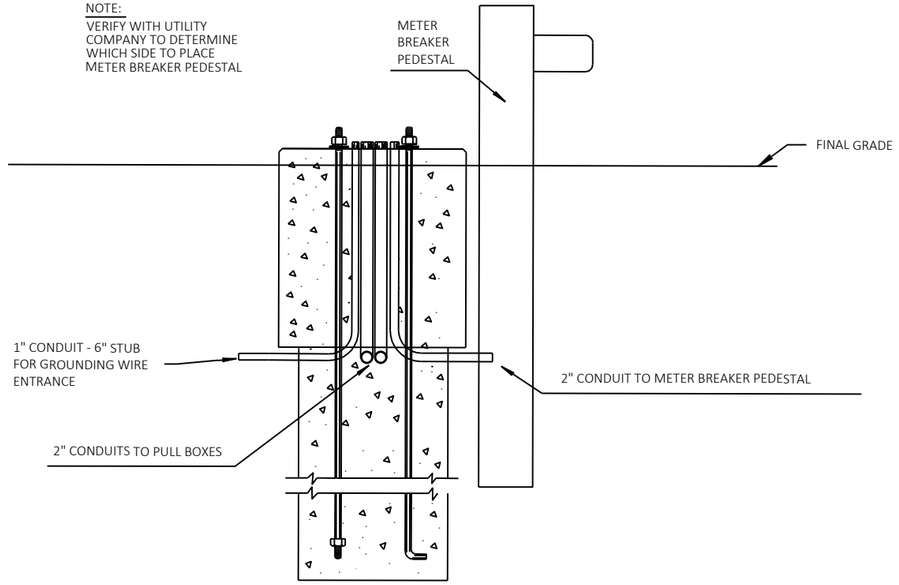
3/4/2025

PROJECT NO: 6180-31-71	HWY: STH 21	COUNTY: WINNEBAGO	CONSTRUCTION DETAIL - ROUNDABOUT LIGHTING	SHEET 102	E

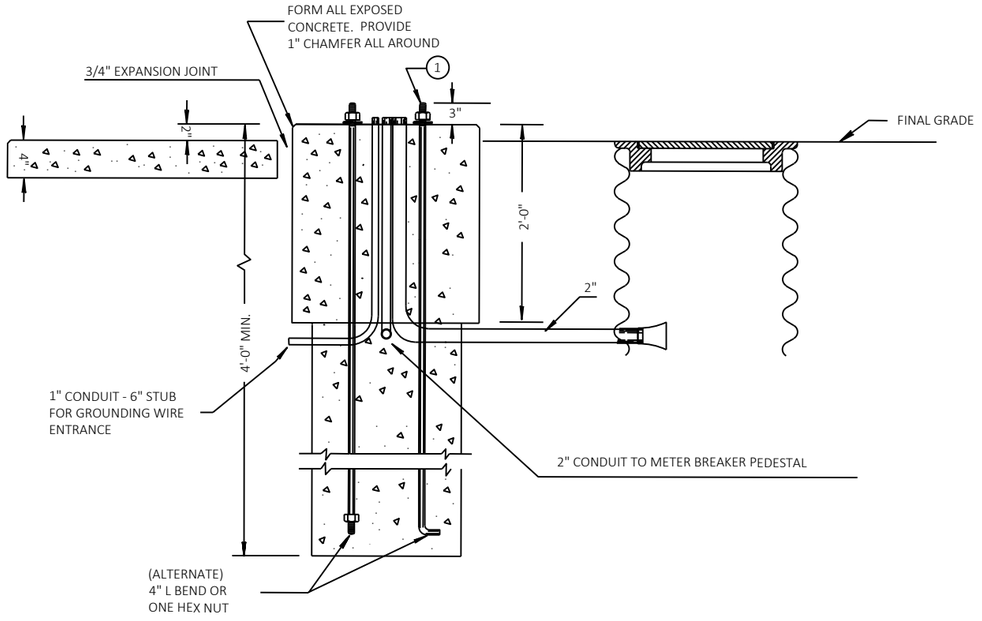
CONTROL CABINET BASE TYPE	DIMENSIONS	C.Y. CONCRETE (APPROX.)
TYPE 10 - POST MOUNT	AS SHOWN	0.75



PLAN VIEW



FRONT VIEW



PROFILE VIEW

GENERAL NOTES

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

WHEN REQUIRED TO CONNECT NONMETALLIC 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.

CONTROL CABINET BASE TOP SURFACES SHALL BE TROWEL FINISHED AND LEVEL.

WHEN A TYPE 10 CONTROL CABINET BASE IS USED TO POST MOUNT A CONTROL CABINET, A 36" SQUARE 4" THICK CONCRETE MAINTENANCE PLATFORM SHALL BE REQUIRED ON THE DOOR SIDE OF THE CABINET. THE TOP 1 INCH SHALL BE ABOVE FINISHED GRADE AND BE BROOM FINISHED AND LEVEL.

MAINTENANCE PLATFORMS ARE NOT REQUIRED WHEN THE SURROUNDING AREA IS PAVED.

ALL CONDUIT ENDS AT THE TOP OF THE CONCRETE BASE SHALL PLUGGED IMMEDIATELY AFTER PLACEMENT AND BEFORE CONCRETE IS POURED. CONDUITS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED SHALL REMAIN CAPPED OR PLUGGED.

BELL ENDS SHALL BE INSTALLED ON ALL PVC CONDUIT EXPOSED AT THE TOP OF THE CONCRETE BASE BEFORE INSTALLATION OF CABLE OR WIRE.

WHEN ANCHOR RODS USING THE ALTERNATE L BEND ARE FURNISHED FOR THE TYPE 10 BASE, THE 4" L BEND SHALL BE IN ADDITION TO THE SPECIFIED ANCHOR ROD BAR LENGTH.

THE "L" BEND SHALL NOT BE THREADED.

STRAIGHT ANCHOR RODS SHALL BE THREADED 12" IN LENGTH ON EACH END OF THE ROD.

FOUR (4) ANCHOR RODS, 1" DIA. X 3'-6"
ANCHOR RODS SHALL BE MANUFACTURED IN ACCORDANCE WITH SECTION 654.2.1 AND 641.2.2 OF THE STANDARD SPECIFICATIONS AND IN ACCORDANCE WITH A-449, OR ASTM.

PROJECT NO: 6180-31-71	HWY: STH 21	COUNTY: WINNEBAGO	LIGHTING CABINET BASE - TYPE 10 NER	SHEET 103	E

GENERAL NOTE

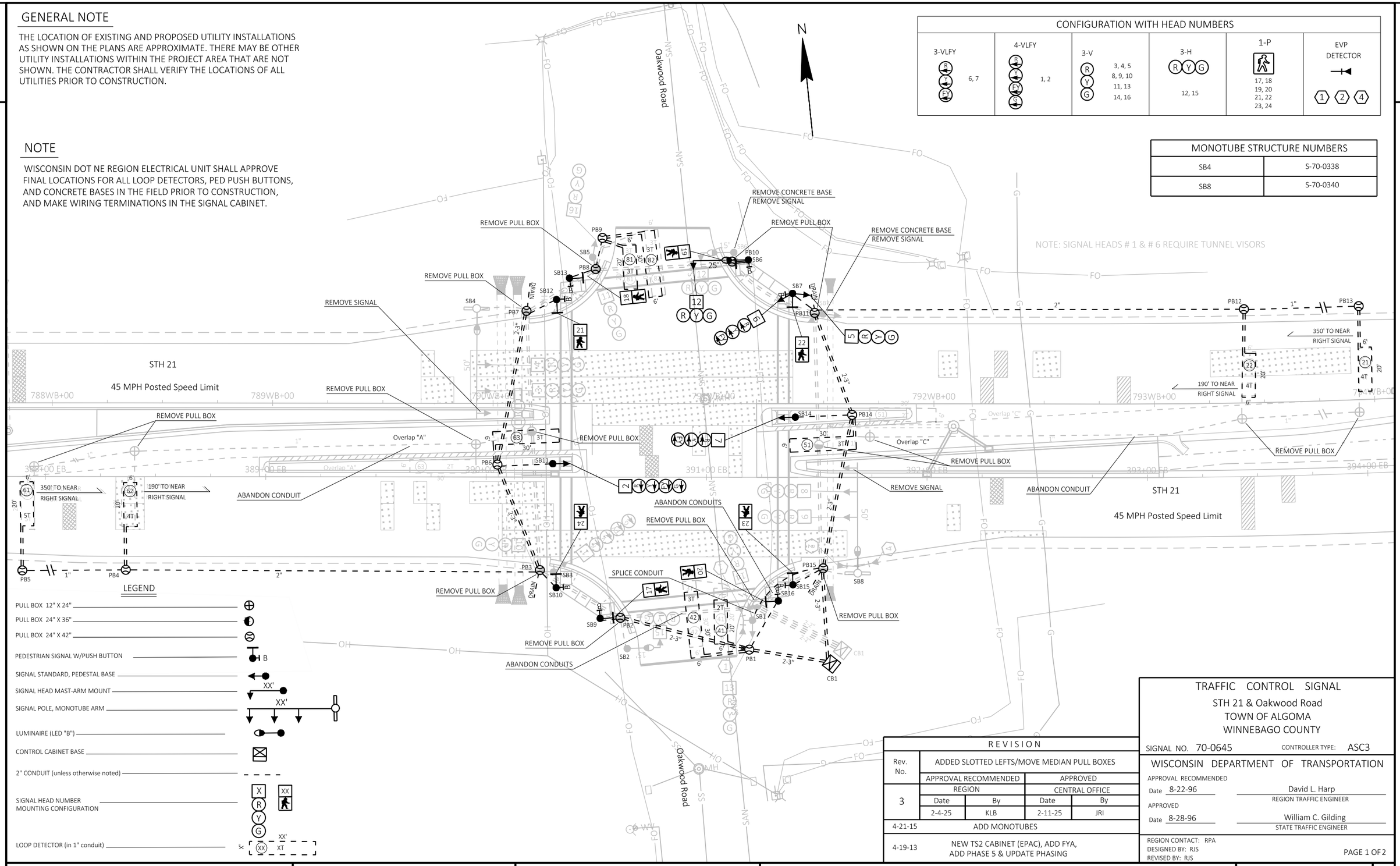
THE LOCATION OF EXISTING AND PROPOSED UTILITY INSTALLATIONS AS SHOWN ON THE PLANS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT AREA THAT ARE NOT SHOWN. THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL UTILITIES PRIOR TO CONSTRUCTION.

NOTE

WISCONSIN DOT NE REGION ELECTRICAL UNIT SHALL APPROVE FINAL LOCATIONS FOR ALL LOOP DETECTORS, PED PUSH BUTTONS, AND CONCRETE BASES IN THE FIELD PRIOR TO CONSTRUCTION, AND MAKE WIRING TERMINATIONS IN THE SIGNAL CABINET.

CONFIGURATION WITH HEAD NUMBERS					
3-VLFY	4-VLFY	3-V	3-H	1-P	EVP DETECTOR
R Y FY — 6, 7	R Y FY G — 1, 2	R Y G — 3, 4, 5, 8, 9, 10, 11, 13, 14, 16	R Y G — 12, 15	17, 18, 19, 20, 21, 22, 23, 24	1 2 4

MONOTUBE STRUCTURE NUMBERS	
SB4	S-70-0338
SB8	S-70-0340



LEGEND

- PULL BOX 12" X 24"
- PULL BOX 24" X 36"
- PULL BOX 24" X 42"
- PEDESTRIAN SIGNAL W/PUSH BUTTON — B
- SIGNAL STANDARD, PEDESTAL BASE
- SIGNAL HEAD MAST-ARM MOUNT — XX'
- SIGNAL POLE, MONOTUBE ARM — XX'
- LUMINAIRE (LED "B")
- CONTROL CABINET BASE
- 2" CONDUIT (unless otherwise noted)
- SIGNAL HEAD NUMBER MOUNTING CONFIGURATION — X, XX, R, Y, G
- LOOP DETECTOR (in 1" conduit) — XX', XX, XT

REVISION				
Rev. No.	ADDED SLOTTED LEFTS/MOVE MEDIAN PULL BOXES			
	APPROVAL RECOMMENDED		APPROVED	
3	REGION		CENTRAL OFFICE	
	Date	By	Date	By
	2-4-25	KLB	2-11-25	JRI
4-21-15	ADD MONOTUBES			
4-19-13	NEW TS2 CABINET (EPAC), ADD FYA, ADD PHASE 5 & UPDATE PHASING			

TRAFFIC CONTROL SIGNAL

STH 21 & Oakwood Road
TOWN OF ALGOMA
WINNEBAGO COUNTY

SIGNAL NO. 70-0645 CONTROLLER TYPE: ASC3

WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVAL RECOMMENDED
Date 8-22-96 — David L. Harp, REGION TRAFFIC ENGINEER

APPROVED
Date 8-28-96 — William C. Gilding, STATE TRAFFIC ENGINEER

REGION CONTACT: RPA
DESIGNED BY: RJS
REVISED BY: RJS

PROJECT NO: 6180-31-00	HWY: STH 21	COUNTY: WINNEBAGO	TRAFFIC CONTROL SIGNAL - S70-0645	SHEET 104 E

FILE NAME : F:\D3_TRAFFI\S70-0645 (21 & OAKWOOD)\S70-0645 FUTURE.DWG
LAYOUT NAME - S70-0645-tcs FUTURE
PLOT DATE : 5/15/2025 6:10 AM PLOT BY : MARTENS, JOHN M PLOT NAME : PLOT SCALE : 1 IN:40 FT

GENERAL NOTE

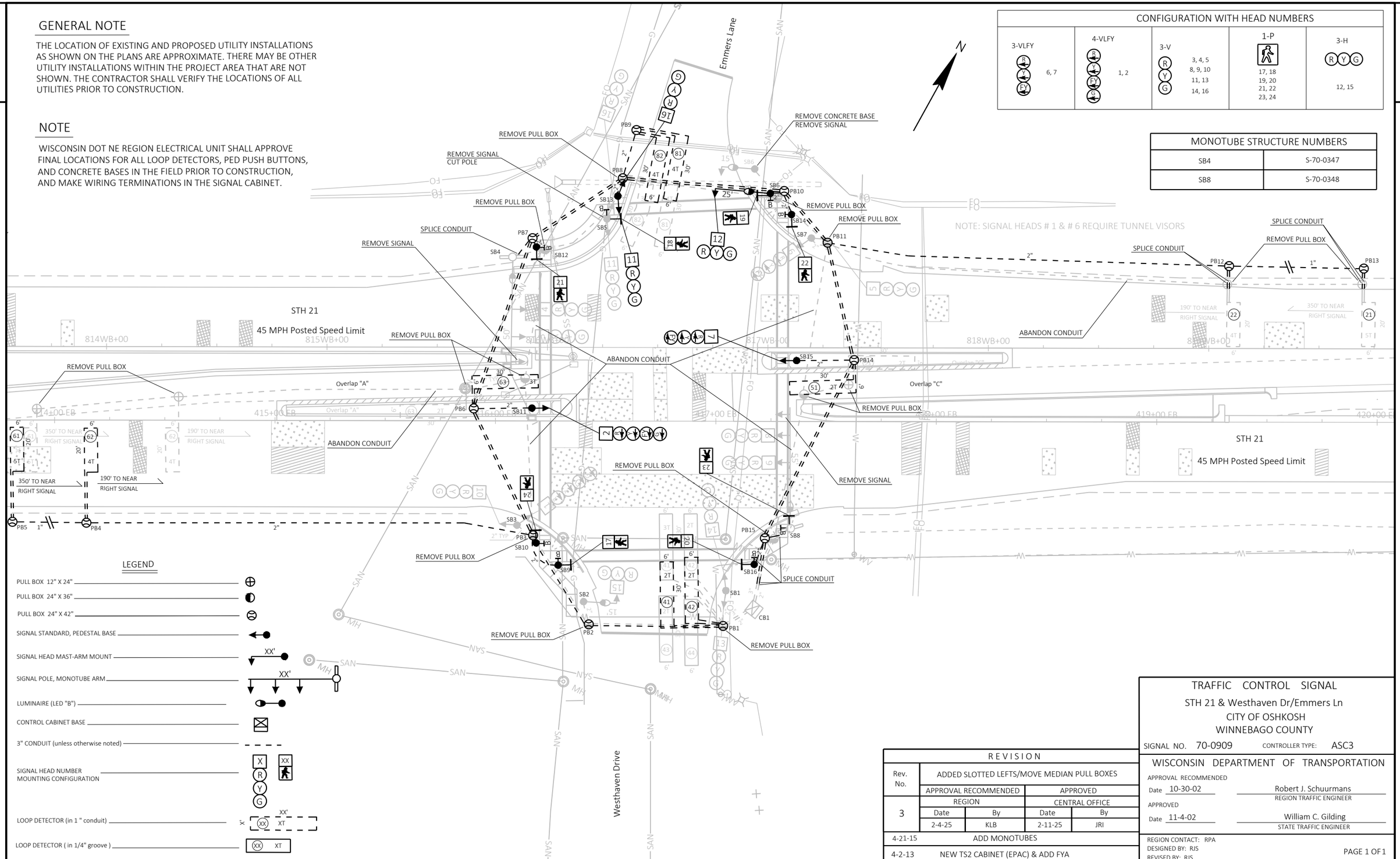
THE LOCATION OF EXISTING AND PROPOSED UTILITY INSTALLATIONS AS SHOWN ON THE PLANS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT AREA THAT ARE NOT SHOWN. THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL UTILITIES PRIOR TO CONSTRUCTION.

NOTE

WISCONSIN DOT NE REGION ELECTRICAL UNIT SHALL APPROVE FINAL LOCATIONS FOR ALL LOOP DETECTORS, PED PUSH BUTTONS, AND CONCRETE BASES IN THE FIELD PRIOR TO CONSTRUCTION, AND MAKE WIRING TERMINATIONS IN THE SIGNAL CABINET.

CONFIGURATION WITH HEAD NUMBERS				
3-VLFY	4-VLFY	3-V	1-P	3-H
6, 7	1, 2	3, 4, 5 8, 9, 10 11, 13 14, 16	17, 18 19, 20 21, 22 23, 24	12, 15

MONOTUBE STRUCTURE NUMBERS	
SB4	S-70-0347
SB8	S-70-0348



LEGEND

- PULL BOX 12" X 24"
- PULL BOX 24" X 36"
- PULL BOX 24" X 42"
- SIGNAL STANDARD, PEDESTAL BASE
- SIGNAL HEAD MAST-ARM MOUNT
- SIGNAL POLE, MONOTUBE ARM
- LUMINAIRE (LED "B")
- CONTROL CABINET BASE
- 3" CONDUIT (unless otherwise noted)
- SIGNAL HEAD NUMBER MOUNTING CONFIGURATION
- LOOP DETECTOR (in 1 " conduit)
- LOOP DETECTOR (in 1/4" groove)

REVISION				
Rev. No.	ADDED SLOTTED LEFTS/MOVE MEDIAN PULL BOXES			
	APPROVAL RECOMMENDED		APPROVED	
3	REGION		CENTRAL OFFICE	
	Date	By	Date	By
	2-4-25	KLB	2-11-25	JRI
4-21-15	ADD MONOTUBES			
4-2-13	NEW TS2 CABINET (EPAC) & ADD FYA			

TRAFFIC CONTROL SIGNAL

STH 21 & Westhaven Dr/Emmers Ln

CITY OF OSHKOSH

WINNEBAGO COUNTY

SIGNAL NO. 70-0909 CONTROLLER TYPE: ASC3

WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVAL RECOMMENDED

Date 10-30-02 Robert J. Schuurmans, REGION TRAFFIC ENGINEER

APPROVED

Date 11-4-02 William C. Gilding, STATE TRAFFIC ENGINEER

REGION CONTACT: RPA
DESIGNED BY: RJS
REVISED BY: RJS

PROJECT NO: 6180-31-00	HWY: STH 21	COUNTY: WINNEBAGO	TRAFFIC CONTROL SIGNAL - S70-0909	SHEET 105 E

FILE NAME : F:\D3_TRAFFI\S70-0909 (21 & WESTHAVEN-EMMERS)\S70-0909 FUTURE.DWG
LAYOUT NAME - S70-0909-tcs FUTURE

PLOT DATE : 4/16/2025 3:07 PM PLOT BY : MARTENS, JOHN M PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

CONTINUE LINE STYLE A & G
TO BEGINNING OF PROJECT

G

DOUBLE
F

A

STH 21

319'EB'

320'EB'
+00 EB
R/L

321'EB'

322'EB'

323'EB'

324'EB'

325

MATCH LINE 325+00

N

2

LEGEND FOR PAVEMENT MARKING

A	MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE)	J	MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)
B	MARKING LINE EPOXY 6-INCH (WHITE) 1' LINE, 3' GAP	K	MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
C	MARKING LINE EPOXY 6-INCH (WHITE) 1' LINE, 12' GAP	L	MARKING DOTTED EXTENSION EPOXY 18-INCH (WHITE) 2' LINE, 2' GAP
D	MARKING LINE EPOXY 6-INCH (WHITE) 6' LINE, 3' GAP	M	MARKING STOP LINE EPOXY 18-INCH (WHITE)
E	MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE) & GROOVED BLACK EPOXY 6-INCH - 12.5' WHITE, 12.5' BLACK, 25' GAP	N	MARKING CHEVRON EPOXY 24-INCH (WHITE)
F	MARKING LINE GROOVED WET REF EPOXY 6-INCH (YELLOW)	O	MARKING ISLAND NOSE EPOXY (YELLOW)
G	MARKING LINE GROOVED WET REF EPOXY 6-INCH (YELLOW) 12.5' LINE, 37.5' GAP	P	MARKING CURB EPOXY (YELLOW) (5-FT BEYOND PC)
H	MARKING LINE GROOVED WET REF EPOXY 10-INCH (WHITE)	Q	MARKING ARROW EPOXY (WHITE)
I	MARKING LINE EPOXY 10-INCH (WHITE)	R	MARKING WORD EPOXY (WHITE)
		S	MARKING LINE EPOXY 6-INCH (YELLOW)
		T	MARKING LINE EPOXY 6-INCH (WHITE)

N

MATCH LINE 325+00

A

K

'EB'

+20.28 EB
0.00'

+75.05 EB
-0.25' LT

726'WB'
326'EB'

727'WB'
327'EB'

25' TYP.

+91.45 WB
0.00'

728'WB'
328'EB'

P

STH 21 WB

729'WB'

730'WB'

7

MATCHLINE 331+00

331

329'EB'

330'EB'

STH 21 EB

+72.59 EB
0.00'

DOUBLE
F

A

DOUBLE
F

O

DOUBLE

PROJECT NO: 6180-31-71	HWY: STH 21	COUNTY: WINNEBAGO	02 - PAVEMENT MARKING	SHEET 106	E

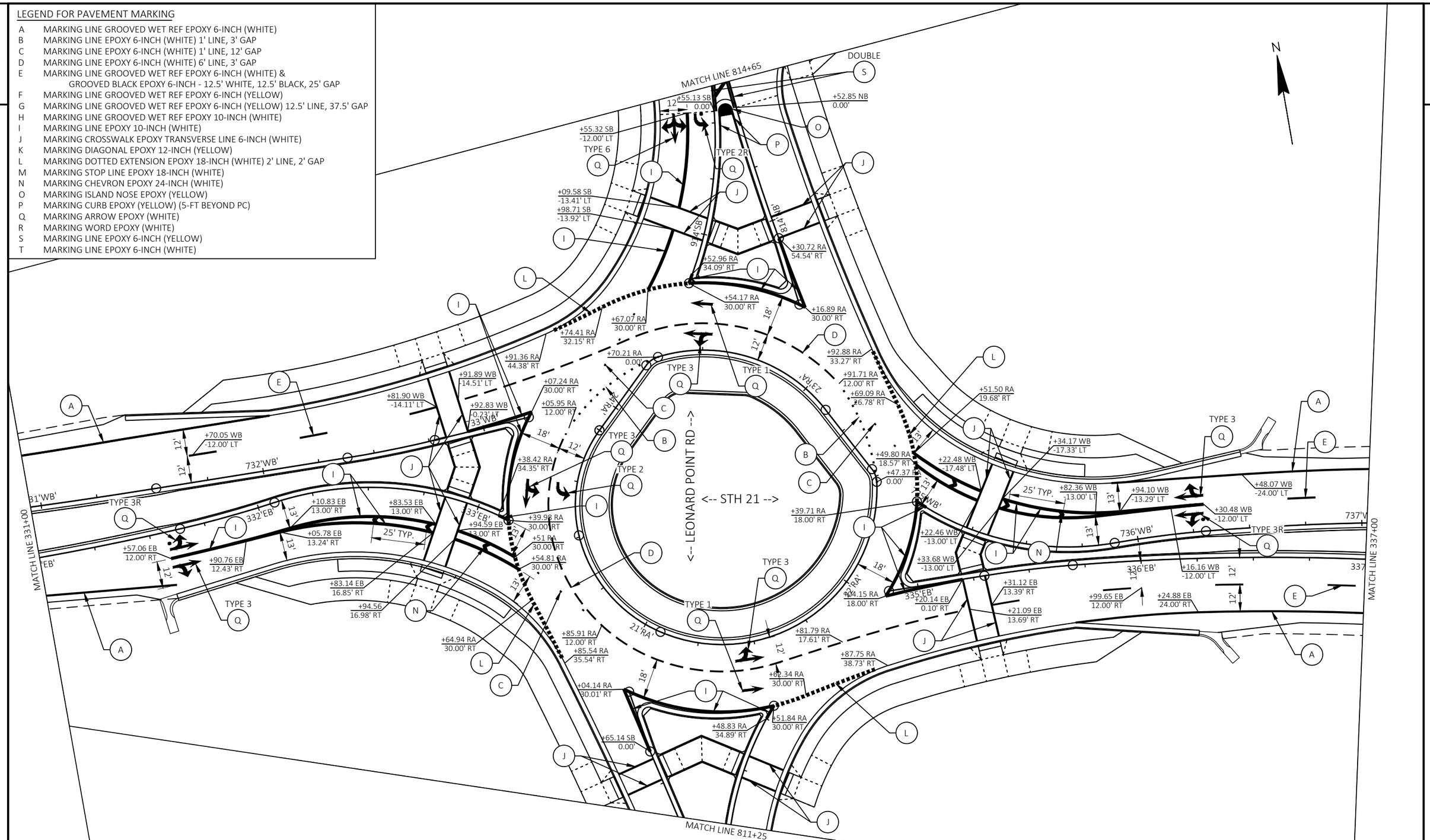
FILE NAME : N:\3001455.00\CIVIL 3D\SHEETS\61803171-024501-PM.DWG
LAYOUT NAME - 61803171-024501-pm

PLOT DATE : 1/30/2025 12:01 PM PLOT BY : CRAIG KNUTH PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

LEGEND FOR PAVEMENT MARKING

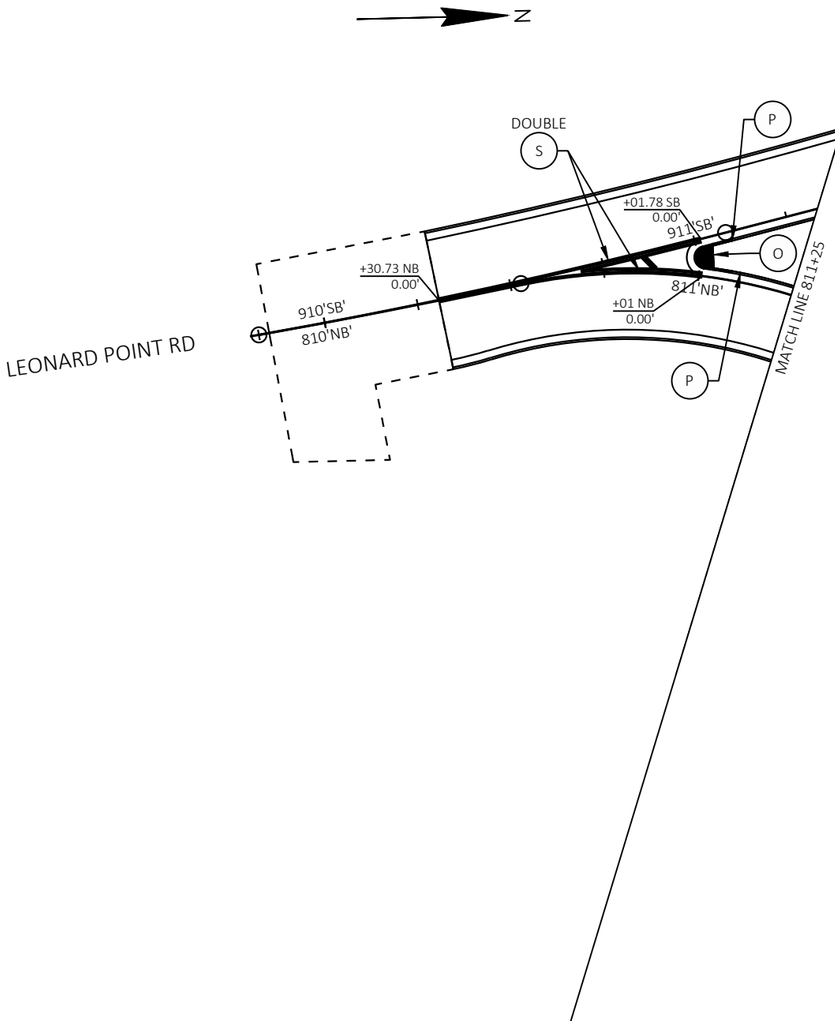
A	MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE)
B	MARKING LINE EPOXY 6-INCH (WHITE) 1' LINE, 3' GAP
C	MARKING LINE EPOXY 6-INCH (WHITE) 1' LINE, 12' GAP
D	MARKING LINE EPOXY 6-INCH (WHITE) 6' LINE, 3' GAP
E	MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE) & GROOVED BLACK EPOXY 6-INCH - 12.5' WHITE, 12.5' BLACK, 25' GAP
F	MARKING LINE GROOVED WET REF EPOXY 6-INCH (YELLOW)
G	MARKING LINE GROOVED WET REF EPOXY 6-INCH (YELLOW) 12.5' LINE, 37.5' GAP
H	MARKING LINE GROOVED WET REF EPOXY 10-INCH (WHITE)
I	MARKING LINE EPOXY 10-INCH (WHITE)
J	MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)
K	MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
L	MARKING DOTTED EXTENSION EPOXY 18-INCH (WHITE) 2' LINE, 2' GAP
M	MARKING STOP LINE EPOXY 18-INCH (WHITE)
N	MARKING CHEVRON EPOXY 24-INCH (WHITE)
O	MARKING ISLAND NOSE EPOXY (YELLOW)
P	MARKING CURB EPOXY (YELLOW) (5-FT BEYOND PC)
Q	MARKING ARROW EPOXY (WHITE)
R	MARKING WORD EPOXY (WHITE)
S	MARKING LINE EPOXY 6-INCH (YELLOW)
T	MARKING LINE EPOXY 6-INCH (WHITE)

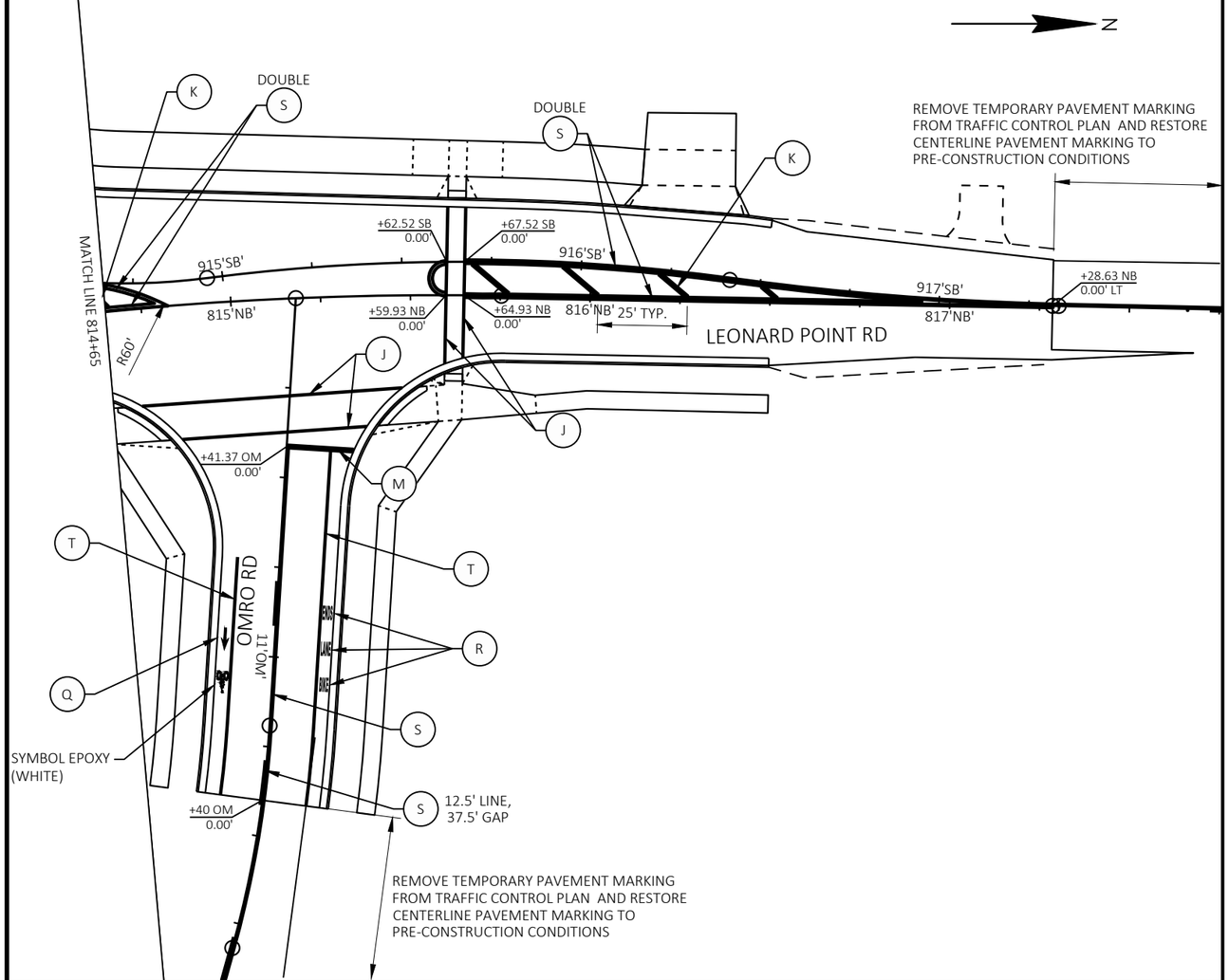


2

LEGEND FOR PAVEMENT MARKING

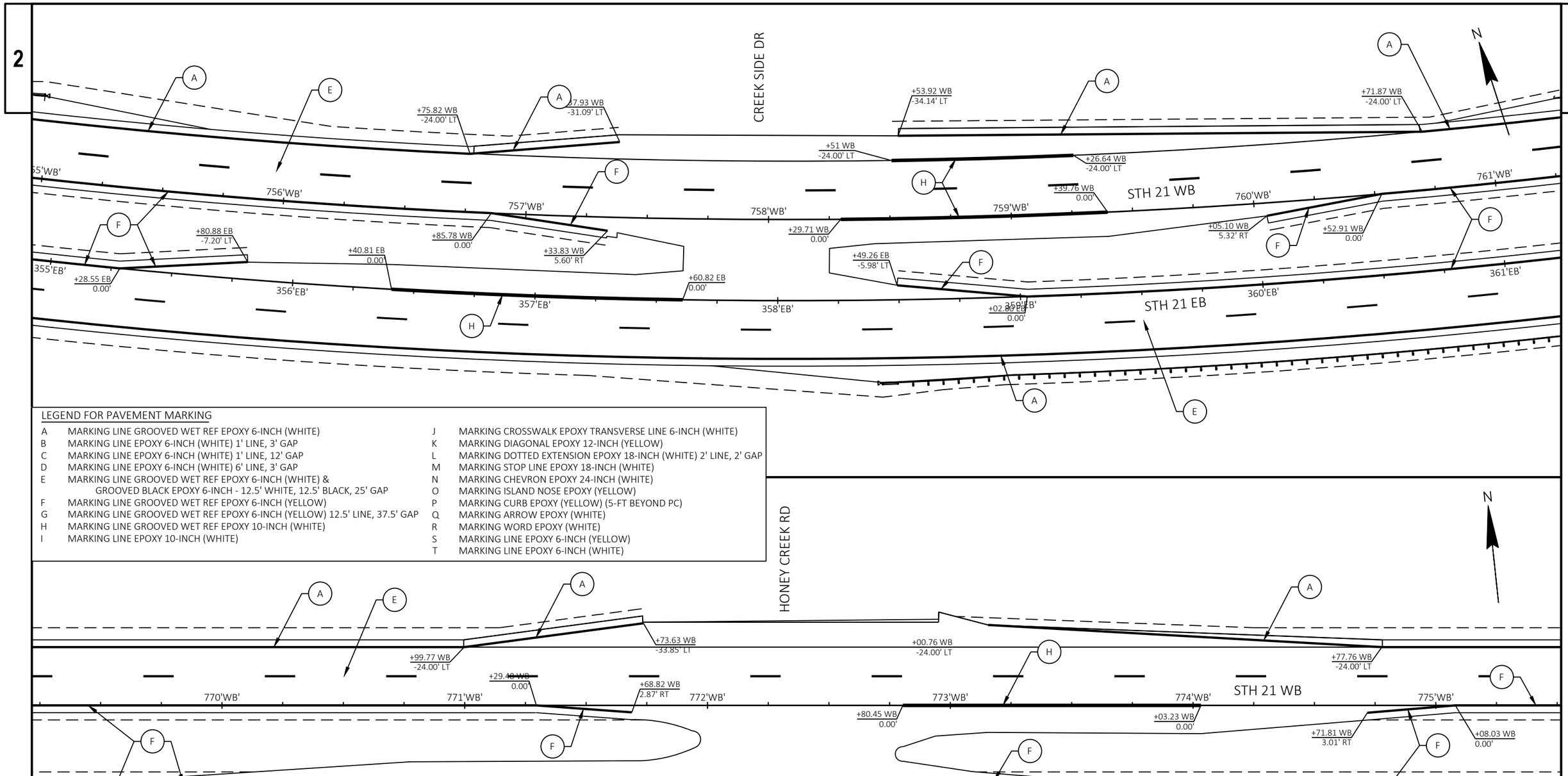
A	MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE)
B	MARKING LINE EPOXY 6-INCH (WHITE) 1' LINE, 3' GAP
C	MARKING LINE EPOXY 6-INCH (WHITE) 1' LINE, 12' GAP
D	MARKING LINE EPOXY 6-INCH (WHITE) 6' LINE, 3' GAP
E	MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE) & GROOVED BLACK EPOXY 6-INCH - 12.5' WHITE, 12.5' BLACK, 25' GAP
F	MARKING LINE GROOVED WET REF EPOXY 6-INCH (YELLOW)
G	MARKING LINE GROOVED WET REF EPOXY 6-INCH (YELLOW) 12.5' LINE, 37.5' GAP
H	MARKING LINE GROOVED WET REF EPOXY 10-INCH (WHITE)
I	MARKING LINE EPOXY 10-INCH (WHITE)
J	MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)
K	MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
L	MARKING DOTTED EXTENSION EPOXY 18-INCH (WHITE) 2' LINE, 2' GAP
M	MARKING STOP LINE EPOXY 18-INCH (WHITE)
N	MARKING CHEVRON EPOXY 24-INCH (WHITE)
O	MARKING ISLAND NOSE EPOXY (YELLOW)
P	MARKING CURB EPOXY (YELLOW) (5-FT BEYOND PC)
Q	MARKING ARROW EPOXY (WHITE)
R	MARKING WORD EPOXY (WHITE)
S	MARKING LINE EPOXY 6-INCH (YELLOW)
T	MARKING LINE EPOXY 6-INCH (WHITE)





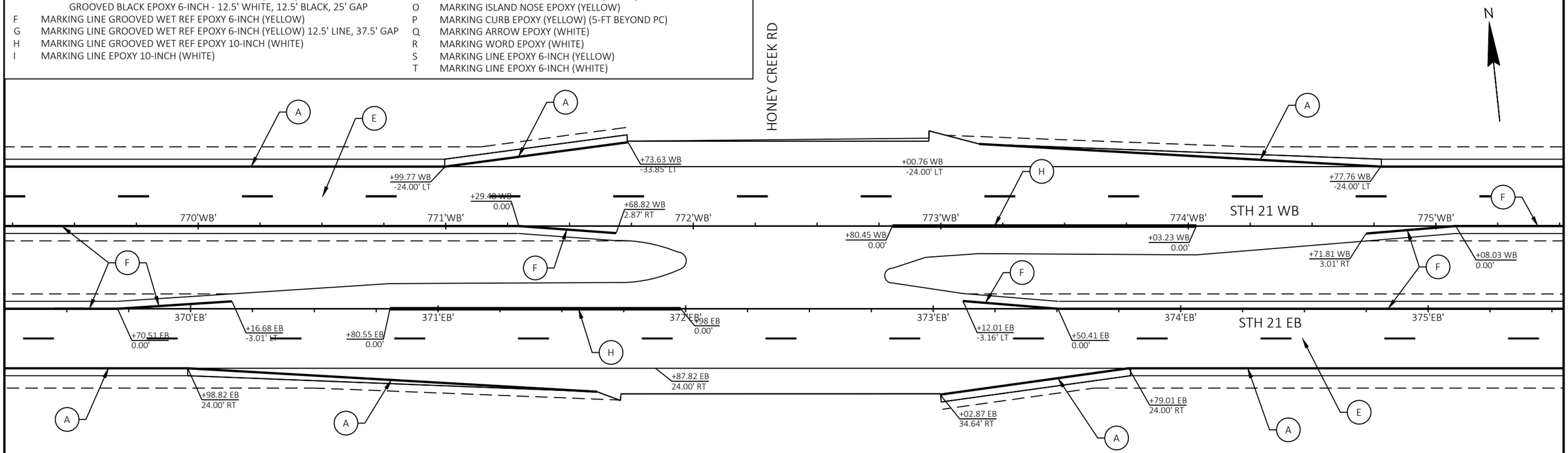
PROJECT NO: 6180-31-71	HWY: STH 21	COUNTY: WINNEBAGO	02 - PAVEMENT MARKING	SHEET 108	E

FILE NAME : N:\3001455.00\CIVIL 3D\SHEETS\61803171-024501-PM.DWG
LAYOUT NAME - 61803171-024504-pm
PLOT DATE : 1/30/2025 12:01 PM PLOT BY : CRAIG KNUTH PLOT NAME : PLOT SCALE : 1 IN:40 FT



LEGEND FOR PAVEMENT MARKING

A	MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE)	J	MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)
B	MARKING LINE EPOXY 6-INCH (WHITE) 1' LINE, 3' GAP	K	MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
C	MARKING LINE EPOXY 6-INCH (WHITE) 1' LINE, 12' GAP	L	MARKING DOTTED EXTENSION EPOXY 18-INCH (WHITE) 2' LINE, 2' GAP
D	MARKING LINE EPOXY 6-INCH (WHITE) 6' LINE, 3' GAP	M	MARKING STOP LINE EPOXY 18-INCH (WHITE)
E	MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE) & GROOVED BLACK EPOXY 6-INCH - 12.5' WHITE, 12.5' BLACK, 25' GAP	N	MARKING CHEVRON EPOXY 24-INCH (WHITE)
F	MARKING LINE GROOVED WET REF EPOXY 6-INCH (YELLOW)	O	MARKING ISLAND NOSE EPOXY (YELLOW)
G	MARKING LINE GROOVED WET REF EPOXY 6-INCH (YELLOW) 12.5' LINE, 37.5' GAP	P	MARKING CURB EPOXY (YELLOW) (5-FT BEYOND PC)
H	MARKING LINE GROOVED WET REF EPOXY 10-INCH (WHITE)	Q	MARKING ARROW EPOXY (WHITE)
I	MARKING LINE EPOXY 10-INCH (WHITE)	R	MARKING WORD EPOXY (WHITE)
		S	MARKING LINE EPOXY 6-INCH (YELLOW)
		T	MARKING LINE EPOXY 6-INCH (WHITE)

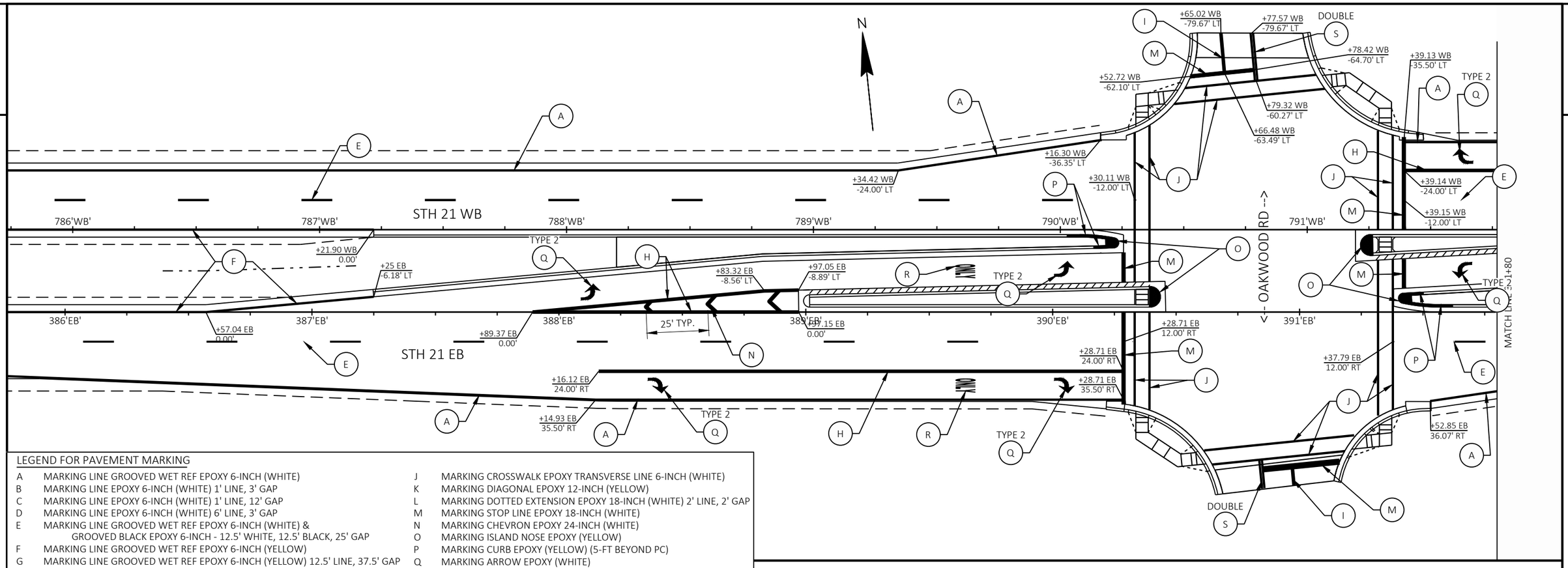


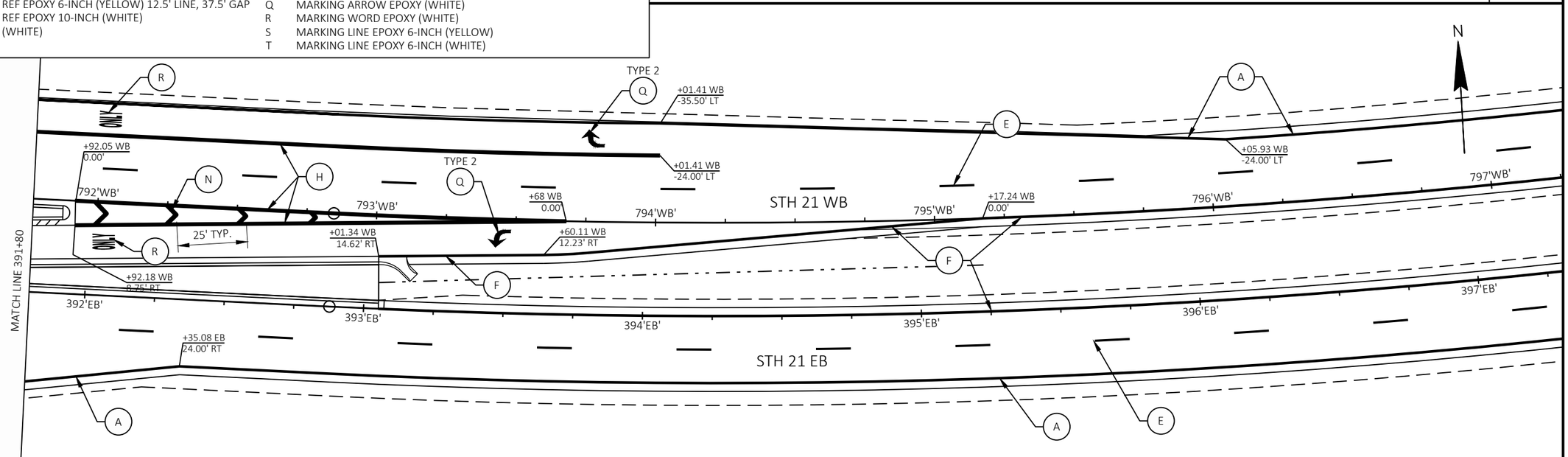
PROJECT NO: 6180-31-71	HWY: STH 21	COUNTY: WINNEBAGO	02 - PAVEMENT MARKING	SHEET 109	E

FILE NAME : N:\3001455.00\CIVIL 3D\SHEETS\61803171-024501-PM.DWG
LAYOUT NAME - 61803171-024506-pm

PLOT DATE : 1/30/2025 11:58 AM PLOT BY : CRAIG KNUTH PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

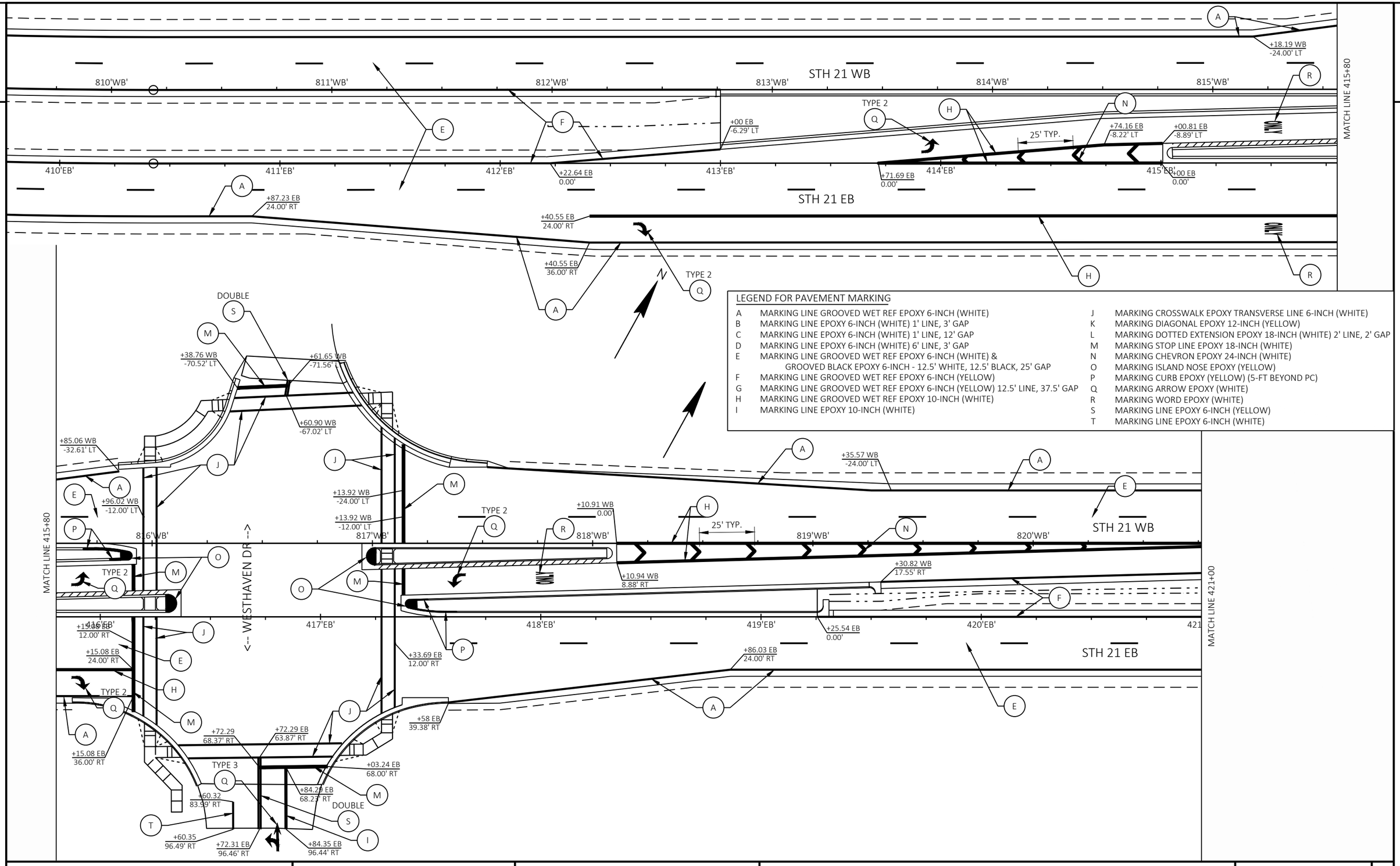




LEGEND FOR PAVEMENT MARKING

A	MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE)	J	MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)
B	MARKING LINE EPOXY 6-INCH (WHITE) 1' LINE, 3' GAP	K	MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
C	MARKING LINE EPOXY 6-INCH (WHITE) 1' LINE, 12' GAP	L	MARKING DOTTED EXTENSION EPOXY 18-INCH (WHITE) 2' LINE, 2' GAP
D	MARKING LINE EPOXY 6-INCH (WHITE) 6' LINE, 3' GAP	M	MARKING STOP LINE EPOXY 18-INCH (WHITE)
E	MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE) & GROOVED BLACK EPOXY 6-INCH - 12.5' WHITE, 12.5' BLACK, 25' GAP	N	MARKING CHEVRON EPOXY 24-INCH (WHITE)
F	MARKING LINE GROOVED WET REF EPOXY 6-INCH (YELLOW)	O	MARKING ISLAND NOSE EPOXY (YELLOW)
G	MARKING LINE GROOVED WET REF EPOXY 6-INCH (YELLOW) 12.5' LINE, 37.5' GAP	P	MARKING CURB EPOXY (YELLOW) (5-FT BEYOND PC)
H	MARKING LINE GROOVED WET REF EPOXY 10-INCH (WHITE)	Q	MARKING ARROW EPOXY (WHITE)
I	MARKING LINE EPOXY 10-INCH (WHITE)	R	MARKING WORD EPOXY (WHITE)
		S	MARKING LINE EPOXY 6-INCH (YELLOW)
		T	MARKING LINE EPOXY 6-INCH (WHITE)

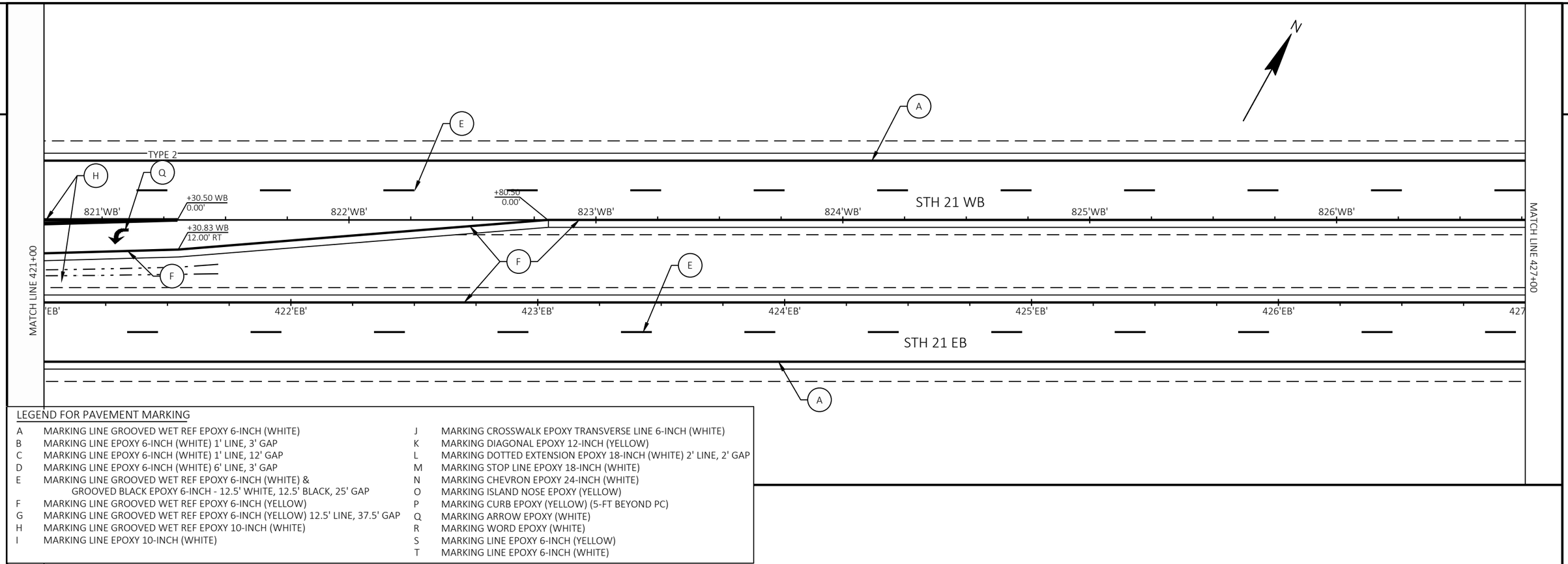
PROJECT NO: 6180-31-71	HWY: STH 21	COUNTY: WINNEBAGO	02 - PAVEMENT MARKING	SHEET 110	E



LEGEND FOR PAVEMENT MARKING

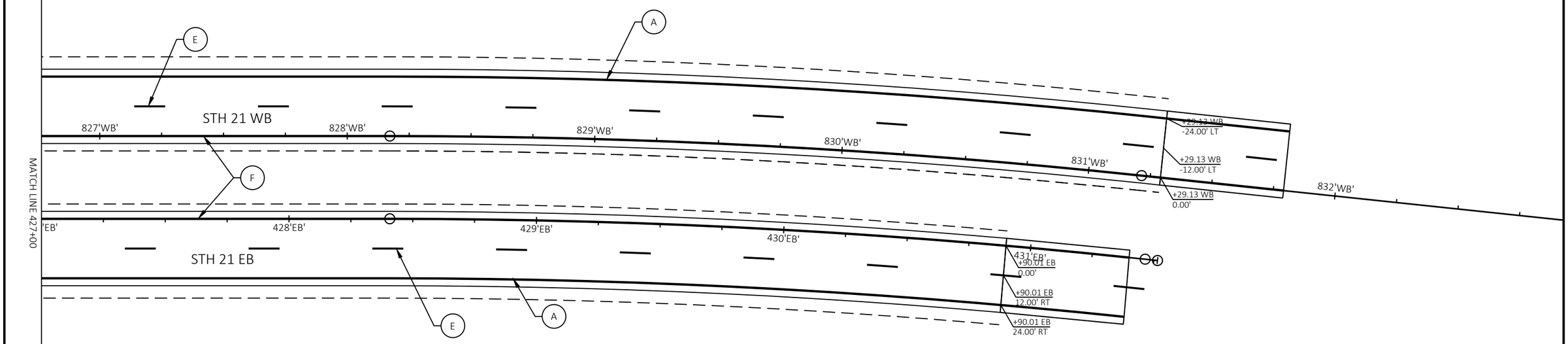
A	MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE)	J	MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)
B	MARKING LINE EPOXY 6-INCH (WHITE) 1' LINE, 3' GAP	K	MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
C	MARKING LINE EPOXY 6-INCH (WHITE) 1' LINE, 12' GAP	L	MARKING DOTTED EXTENSION EPOXY 18-INCH (WHITE) 2' LINE, 2' GAP
D	MARKING LINE EPOXY 6-INCH (WHITE) 6' LINE, 3' GAP	M	MARKING STOP LINE EPOXY 18-INCH (WHITE)
E	MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE) & GROOVED BLACK EPOXY 6-INCH - 12.5' WHITE, 12.5' BLACK, 25' GAP	N	MARKING CHEVRON EPOXY 24-INCH (WHITE)
F	MARKING LINE GROOVED WET REF EPOXY 6-INCH (YELLOW)	O	MARKING ISLAND NOSE EPOXY (YELLOW)
G	MARKING LINE GROOVED WET REF EPOXY 6-INCH (YELLOW) 12.5' LINE, 37.5' GAP	P	MARKING CURB EPOXY (YELLOW) (5-FT BEYOND PC)
H	MARKING LINE GROOVED WET REF EPOXY 10-INCH (WHITE)	Q	MARKING ARROW EPOXY (WHITE)
I	MARKING LINE EPOXY 10-INCH (WHITE)	R	MARKING WORD EPOXY (WHITE)
		S	MARKING LINE EPOXY 6-INCH (YELLOW)
		T	MARKING LINE EPOXY 6-INCH (WHITE)

PROJECT NO: 6180-31-71	HWY: STH 21	COUNTY: WINNEBAGO	02 - PAVEMENT MARKING	SHEET 111	E



LEGEND FOR PAVEMENT MARKING

A	MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE)	J	MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)
B	MARKING LINE EPOXY 6-INCH (WHITE) 1' LINE, 3' GAP	K	MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
C	MARKING LINE EPOXY 6-INCH (WHITE) 1' LINE, 12' GAP	L	MARKING DOTTED EXTENSION EPOXY 18-INCH (WHITE) 2' LINE, 2' GAP
D	MARKING LINE EPOXY 6-INCH (WHITE) 6' LINE, 3' GAP	M	MARKING STOP LINE EPOXY 18-INCH (WHITE)
E	MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE) & GROOVED BLACK EPOXY 6-INCH - 12.5' WHITE, 12.5' BLACK, 25' GAP	N	MARKING CHEVRON EPOXY 24-INCH (WHITE)
F	MARKING LINE GROOVED WET REF EPOXY 6-INCH (YELLOW)	O	MARKING ISLAND NOSE EPOXY (YELLOW)
G	MARKING LINE GROOVED WET REF EPOXY 6-INCH (YELLOW) 12.5' LINE, 37.5' GAP	P	MARKING CURB EPOXY (YELLOW) (5-FT BEYOND PC)
H	MARKING LINE GROOVED WET REF EPOXY 10-INCH (WHITE)	Q	MARKING ARROW EPOXY (WHITE)
I	MARKING LINE EPOXY 10-INCH (WHITE)	R	MARKING WORD EPOXY (WHITE)
		S	MARKING LINE EPOXY 6-INCH (YELLOW)
		T	MARKING LINE EPOXY 6-INCH (WHITE)



PROJECT NO: 6180-31-71	HWY: STH 21	COUNTY: WINNEBAGO	02 - PAVEMENT MARKING	SHEET 112	E

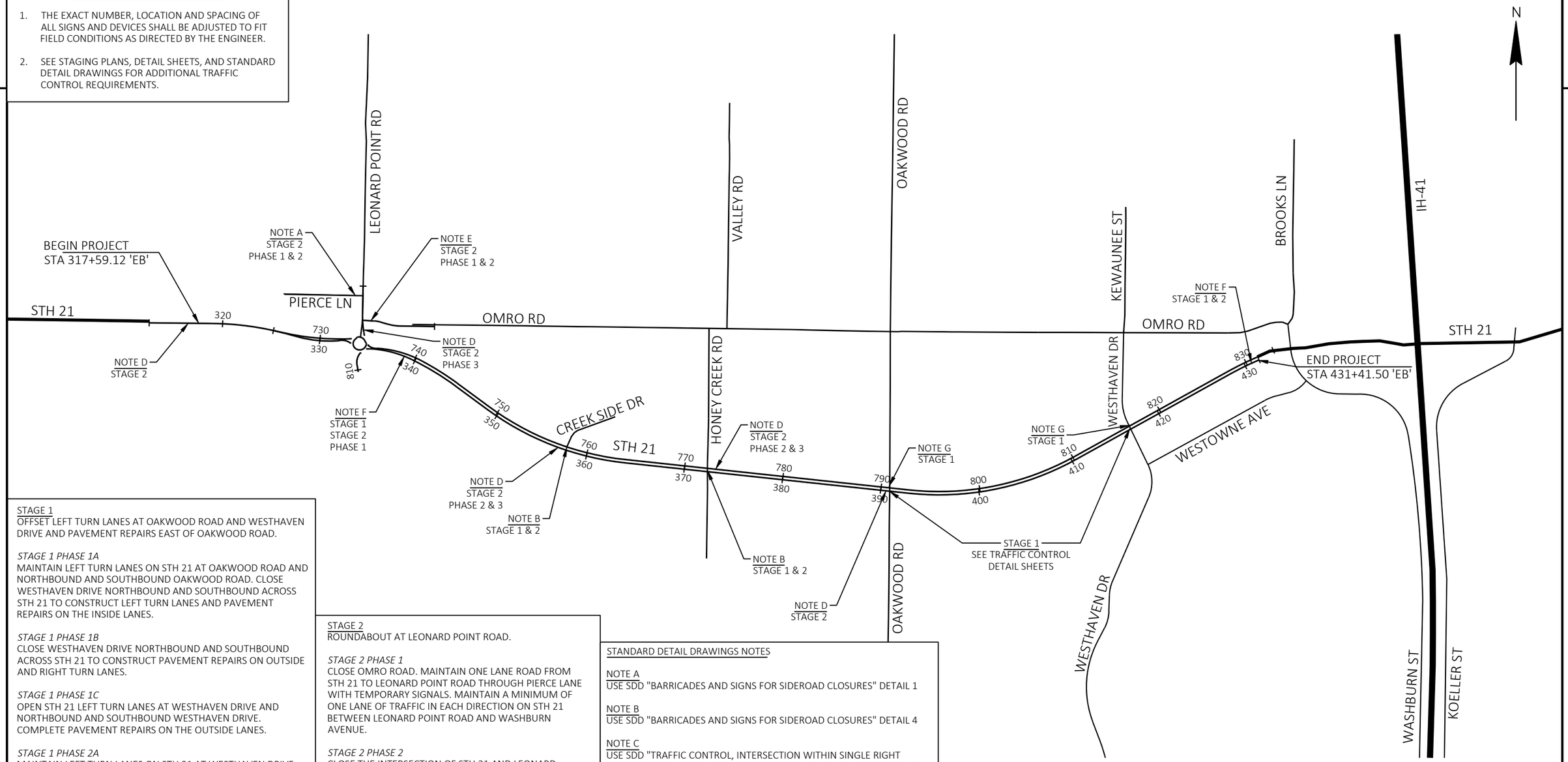
FILE NAME : N:\3001455.00\CIVIL 3D\SHEETS\61803171-024501-PM.DWG
LAYOUT NAME - 61803171-024522-pm

PLOT DATE : 2/10/2025 10:22 AM PLOT BY : CRAIG KNUTH PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

TRAFFIC CONTROL GENERAL NOTES

1. THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS DIRECTED BY THE ENGINEER.
2. SEE STAGING PLANS, DETAIL SHEETS, AND STANDARD DETAIL DRAWINGS FOR ADDITIONAL TRAFFIC CONTROL REQUIREMENTS.



STAGE 1

OFFSET LEFT TURN LANES AT OAKWOOD ROAD AND WESTHAVEN DRIVE AND PAVEMENT REPAIRS EAST OF OAKWOOD ROAD.

STAGE 1 PHASE 1A
MAINTAIN LEFT TURN LANES ON STH 21 AT OAKWOOD ROAD AND NORTHBOUND AND SOUTHBOUND OAKWOOD ROAD. CLOSE WESTHAVEN DRIVE NORTHBOUND AND SOUTHBOUND ACROSS STH 21 TO CONSTRUCT LEFT TURN LANES AND PAVEMENT REPAIRS ON THE INSIDE LANES.

STAGE 1 PHASE 1B
CLOSE WESTHAVEN DRIVE NORTHBOUND AND SOUTHBOUND ACROSS STH 21 TO CONSTRUCT PAVEMENT REPAIRS ON OUTSIDE AND RIGHT TURN LANES.

STAGE 1 PHASE 1C
OPEN STH 21 LEFT TURN LANES AT WESTHAVEN DRIVE AND NORTHBOUND AND SOUTHBOUND WESTHAVEN DRIVE. COMPLETE PAVEMENT REPAIRS ON THE OUTSIDE LANES.

STAGE 1 PHASE 2A
MAINTAIN LEFT TURN LANES ON STH 21 AT WESTHAVEN DRIVE AND NORTHBOUND AND SOUTHBOUND WESTHAVEN DRIVE. CLOSE OAKWOOD ROAD NORTHBOUND AND SOUTHBOUND ACROSS STH 21 TO CONSTRUCT LEFT TURN LANES AND PAVEMENT REPAIRS ON THE INSIDE LANES.

STAGE 1 PHASE 2B
CLOSE OAKWOOD ROAD NORTHBOUND AND SOUTHBOUND ACROSS STH 21 TO CONSTRUCT PAVEMENT REPAIRS ON OUTSIDE AND RIGHT TURN LANES.

STAGE 1 PHASE 2C
OPEN STH 21 LEFT TURN LANES AT OAKWOOD ROAD AND NORTHBOUND AND SOUTHBOUND OAKWOOD ROAD. COMPLETE PAVEMENT REPAIRS ON THE OUTSIDE LANES.

STAGE 2

ROUNDABOUT AT LEONARD POINT ROAD.

STAGE 2 PHASE 1
CLOSE OMRO ROAD. MAINTAIN ONE LANE ROAD FROM STH 21 TO LEONARD POINT ROAD THROUGH PIERCE LANE WITH TEMPORARY SIGNALS. MAINTAIN A MINIMUM OF ONE LANE OF TRAFFIC IN EACH DIRECTION ON STH 21 BETWEEN LEONARD POINT ROAD AND WASHBURN AVENUE.

STAGE 2 PHASE 2
CLOSE THE INTERSECTION OF STH 21 AND LEONARD POINT ROAD. OPEN OMRO ROAD AND MAINTAIN ONE LANE OF TRAFFIC FROM OMRO ROAD TO LEONARD POINT ROAD WITH TEMPORARY SIGNALS.CLOSE STH 21 TO ALL TRAFFIC WEST OF OAKWOOD ROAD. MAINTAIN LOCAL TRAFFIC ON STH 21 BETWEEN CREEK SIDE DRIVE AND HONEY CREEK ROAD.

STAGE 2 PHASE 3
CLOSE LEONARD POINT ROAD SOUTH OF OMRO ROAD. MAINTAIN A MINIMUM OF ONE LANE IN EACH DIRECTION ON LEONARD POINT ROAD FROM OMRO ROAD TO THE NORTH. CLOSE STH 21 TO ALL TRAFFIC WEST OF OAKWOOD ROAD. MAINTAIN LOCAL TRAFFIC ON STH 21 BETWEEN CREEK SIDE DRIVE AND HONEY CREEK ROAD.

STANDARD DETAIL DRAWINGS NOTES

NOTE A
USE SDD "BARRICADES AND SIGNS FOR SIDEROAD CLOSURES" DETAIL 1

NOTE B
USE SDD "BARRICADES AND SIGNS FOR SIDEROAD CLOSURES" DETAIL 4

NOTE C
USE SDD "TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE RIGHT LANE CLOSURE" DETAIL "FOR RIGHT LANE CLOSURE AT INTERSECTION"

NOTE D
USE SDD "BARRICADES AND SIGNS FOR MAINLINE CLOSURES" DETAIL B

NOTE E
USE SDD "TRAFFIC CONTROL, ONE LANE ROAD WITH TEMPORARY SIGNALS"

NOTE F
USE SDD "TRAFFIC CONTROL, SINGLE LANE CLOSURE, DIVIDED NON-FREEWAY/EXPRESSWAY"

NOTE G
REMOVE OR COVER UNUSED SIGNAL HEADS FROM TRAFFIC'S VIEW.

PROJECT NO: 6180-31-71	HWY: STH 21	COUNTY: WINNEBAGO	TRAFFIC CONTROL OVERVIEW	SHEET 113	E

2

2

NOTE

EXISTING ARROW EPOXY (TYPE 3) TO BE REMOVED USING MARKING REMOVAL SPECIAL MARKING WATER BLASTING.

PLACE TEMPORARY MARKING ARROW EPOXY (TYPE 2).

WHEN NO LONGER NEEDED, REMOVE TEMPORARY MARKING ARROW AND PLACE ARROW EPOXY (TYPE 3).

LEGEND

- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- TYPE III BARRICADE WITH ATTACHED SIGN & TYPE A WARNING LIGHT (FLASHING)
- TRAFFIC CONTROL SIGN ON SIGN BRIDGE VERTICAL SUPPORT
- SIGN FLAGS
- PCMS — PORTABLE CHANGEABLE MESSAGE SIGN
- (A) — ARROW EPOXY. SEE NOTE.
- TRAFFIC DIRECTION

N

OMRO RD

BROOKS LN

OMRO RD

LANE CLOSED
R11-2L
48"X30"

SIGN 53 ON DETOUR PLAN

ROAD CLOSED TO THRU TRAFFIC XX MILES AHEAD
R11-3

10' TYP.

15' TYP.

15' TYP.

EP: 833+02.21

25' TYP.

833+00

STH 21 WB

STH 21 EB

MODIFY BY COVERING WITH
R3-8 BER
54"X30"

COVER

Omro Rd

PCMS

STH 21 WB

STH 21 EB

A

MODIFY BY COVERING WITH
R3-8 BER
54"X30"

WASHBURN ST

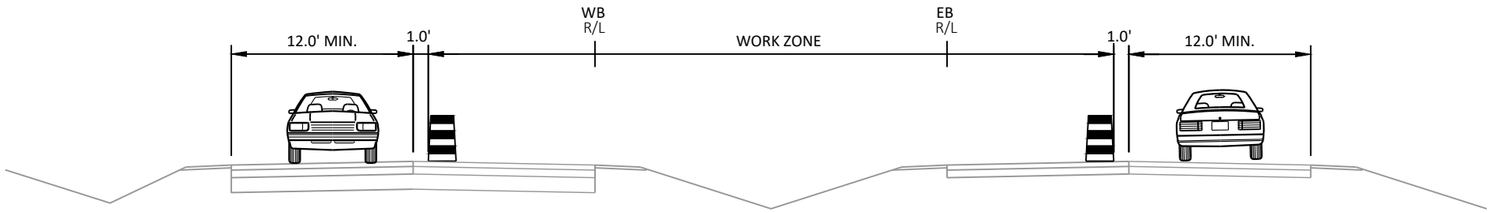
PROJECT NO: 6180-31-71	HWY: STH 21	COUNTY: WINNEBAGO	TRAFFIC CONTROL - STAGE 1 AND STAGE 2 PHASE 1	SHEET 114	E

FILE NAME : N:\3001455.00\CIVIL 3D\SHEETS\61803171-025109-TC.DWG
LAYOUT NAME - 61803171-025106-tc

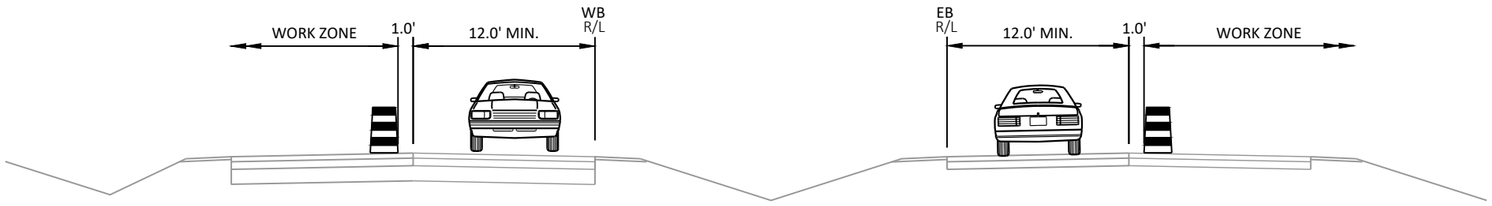
PLOT DATE : 2/17/2025 9:33 AM PLOT BY : BRANDI SWANSON PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 42

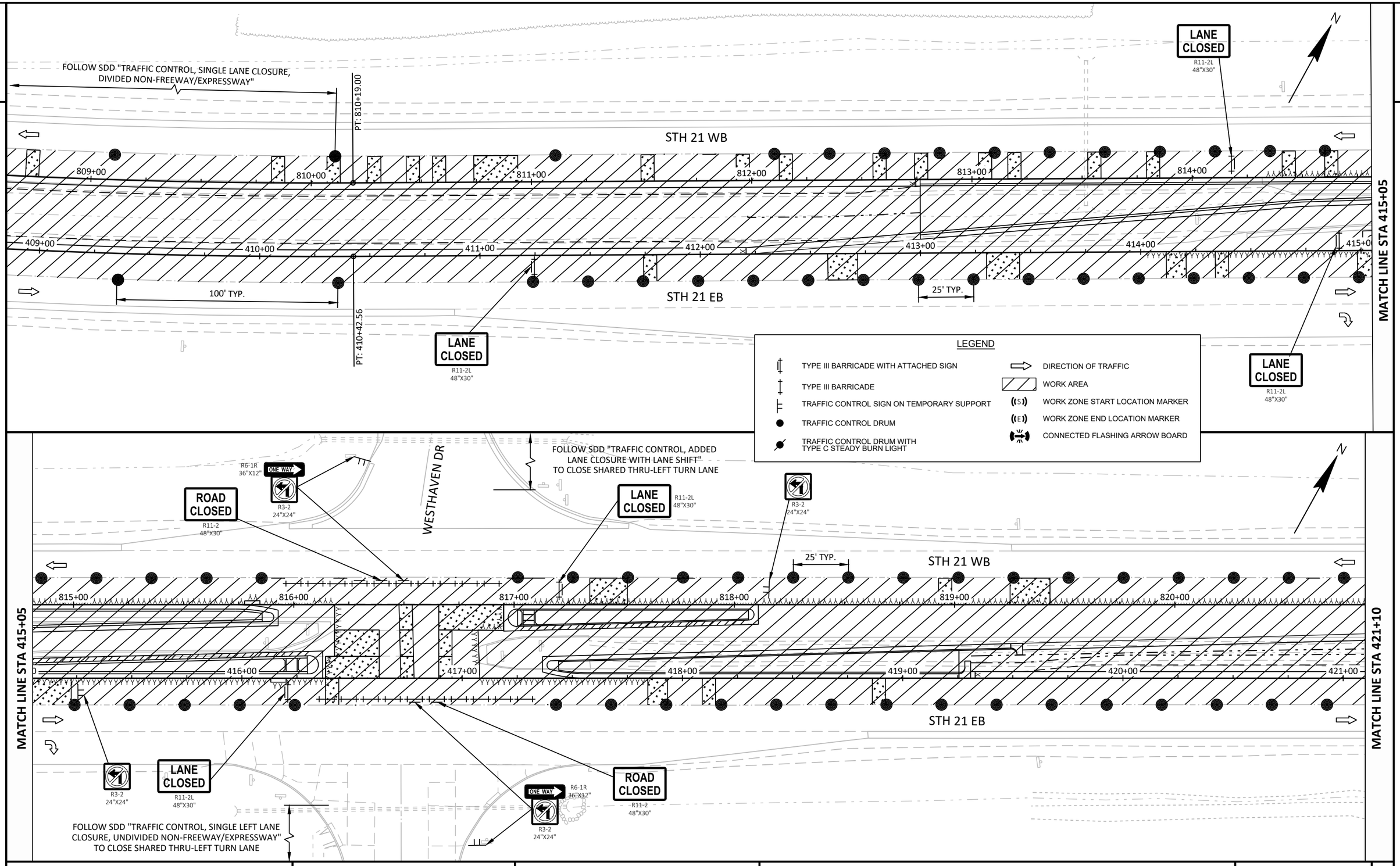
2



STAGE 1 - STH 21
PHASE 1A
PHASE 2A

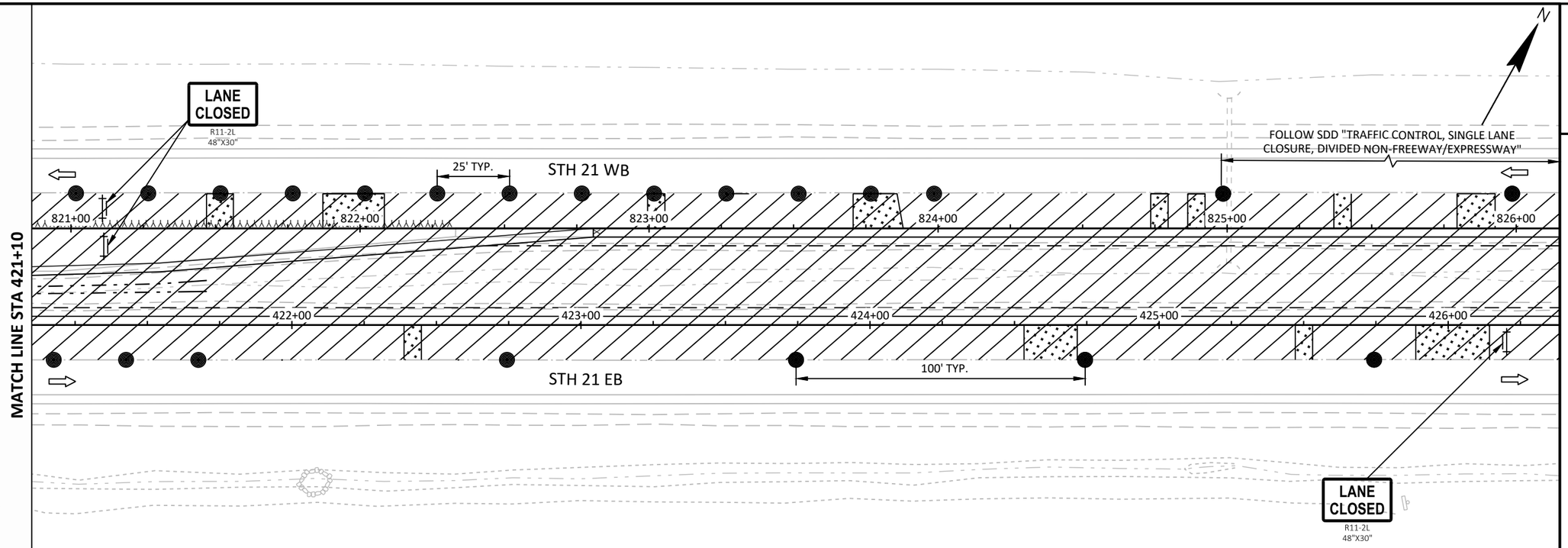


STAGE 1 - STH 21
PHASE 1B
PHASE 1C
PHASE 2B
PHASE 2C



PROJECT NO: 6180-31-71	HWY: STH 21	COUNTY: WINNEBAGO	TRAFFIC CONTROL - STAGE 1 - PHASE 1A	SHEET 116	E

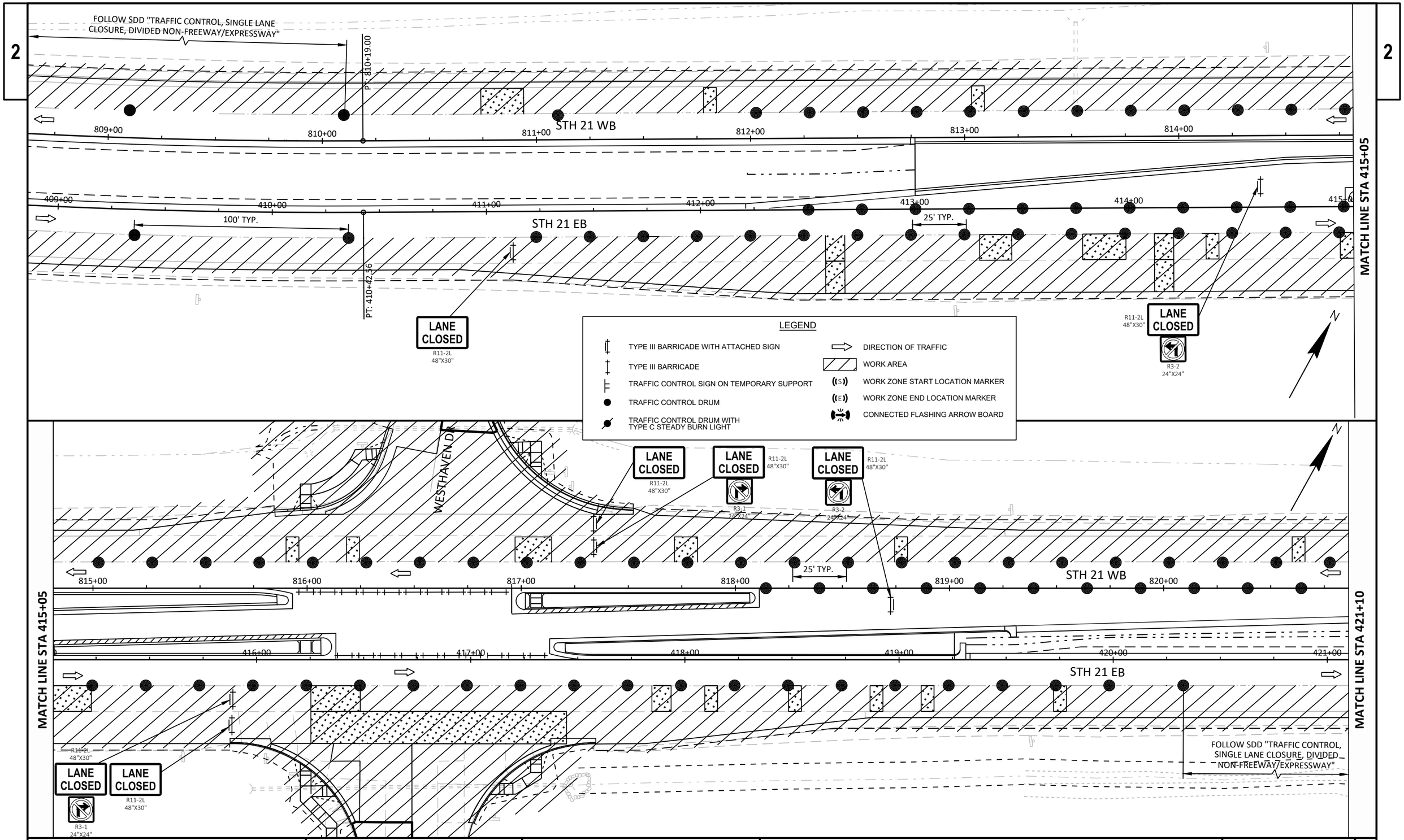
2



LEGEND

- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE III BARRICADE
- TRAFFIC CONTROL SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- DIRECTION OF TRAFFIC
- WORK AREA
- WORK ZONE START LOCATION MARKER
- WORK ZONE END LOCATION MARKER
- CONNECTED FLASHING ARROW BOARD

PROJECT NO: 6180-31-71	HWY: STH 21	COUNTY: WINNEBAGO	TRAFFIC CONTROL - STAGE 1 - PHASE 1A	SHEET 117	E



PROJECT NO: 6180-31-71	HWY: STH 21	COUNTY: WINNEBAGO	TRAFFIC CONTROL - STAGE 1 - PHASE 1B	SHEET 118 E

FILE NAME : N:\3001455.00\CIVIL 3D\SHEETS\61803171-025106-TC.DWG
LAYOUT NAME - 61803171-025113-tc
PLOT DATE : 7/30/2025 9:14 AM
PLOT BY : BRANDI SWANSON
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44

2

LANE CLOSED
R11-2L
48"X30"

LANE CLOSED
R11-2L
48"X30"

N

MATCH LINE STA 421+10

821+00 822+00 823+00 824+00 825+00 826+00

25' TYP.

STH 21 WB

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

422+00 423+00 424+00 425+00 426+00

STH 21 EB

100' TYP.

LEGEND

- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE III BARRICADE
- TRAFFIC CONTROL SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- DIRECTION OF TRAFFIC
- WORK AREA
- WORK ZONE START LOCATION MARKER
- WORK ZONE END LOCATION MARKER
- CONNECTED FLASHING ARROW BOARD

FOLLOW SDD "BARRICADES AND SIGNS FOR SIDEROAD CLOSURES" DETAIL 1

WESTHAVEN DR

817+00 816+00 417+00 416+00

FOLLOW SDD "BARRICADES AND SIGNS FOR SIDEROAD CLOSURES" DETAIL 1

N

WESTHAVEN DR

ROAD CLOSED
R11-2
48"X30"

ROAD CLOSED
R11-2
48"X30"

PROJECT NO: 6180-31-71	HWY: STH 21	COUNTY: WINNEBAGO	TRAFFIC CONTROL - STAGE 1 - PHASE 1B	SHEET 119	E

FILE NAME : N:\3001455.00\CIVIL 3D\SHEETS\61803171-025106-TC.DWG
LAYOUT NAME - 61803171-025114-tc
PLOT DATE : 7/30/2025 9:14 AM
PLOT BY : BRANDI SWANSON
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44

2

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

PT: 810+19.00

809+00 810+00 811+00 812+00 813+00 814+00

STH 21 WB

409+00 410+00 411+00 412+00 413+00 414+00 415+00

STH 21 EB

100' TYP.

PT: 410+42.36

LANE CLOSED
R11-2L
48"X30"

MATCH LINE STA 415+05

2

LEGEND

- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE III BARRICADE
- TRAFFIC CONTROL SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- DIRECTION OF TRAFFIC
- WORK AREA
- WORK ZONE START LOCATION MARKER
- WORK ZONE END LOCATION MARKER
- CONNECTED FLASHING ARROW BOARD

LANE CLOSED
R11-2L
48"X30"

WESTHAVEN DR

FOLLOW SDD "BARRICADES AND SIGNS FOR SIDEROAD CLOSURES" DETAIL 3

BEGIN RIGHT TURN LANE
R3-20R
24"X36"

15' TYP.

25' TYP.

815+00 816+00 817+00 818+00 819+00 820+00

STH 21 WB

416+00 417+00 418+00 419+00 420+00 421+00

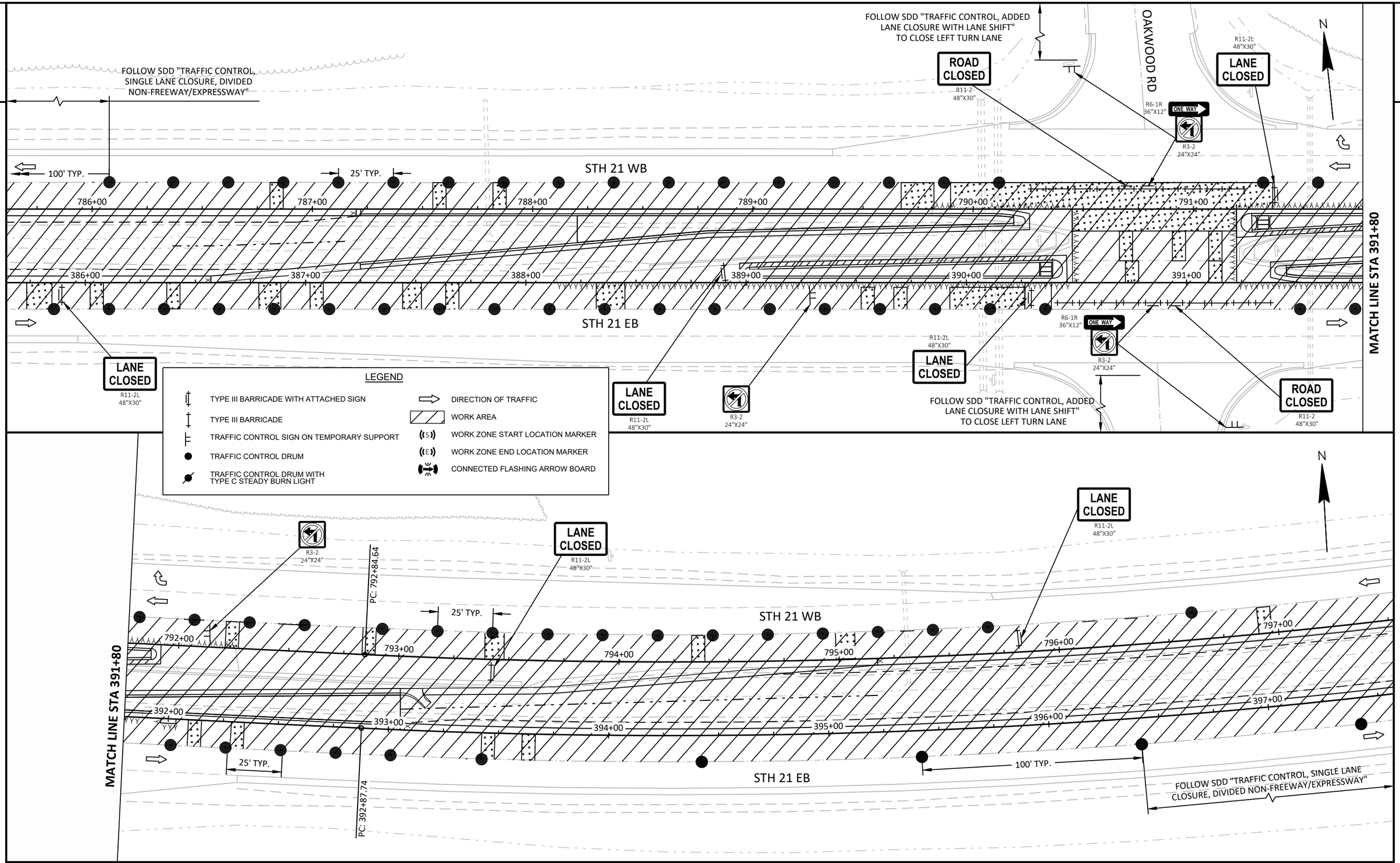
STH 21 EB

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

MATCH LINE STA 415+05

MATCH LINE STA 421+10

PROJECT NO: 6180-31-71	HWY: STH 21	COUNTY: WINNEBAGO	TRAFFIC CONTROL - STAGE 1 - PHASE 1C	SHEET 120	E



PROJECT NO: 6180-31-71	HWY: STH 21	COUNTY: WINNEBAGO	TRAFFIC CONTROL - STAGE 1 - PHASE 2A	SHEET 121	E

FILE NAME : N:\3001455.00\CIVIL 3D\SHEETS\61803171-025105-TC.DWG
LAYOUT NAME - 61803171-025121-tc
PLOT DATE : 7/30/2025 9:14 AM
PLOT BY : BRANDI SWANSON
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44

2

LEGEND

- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE III BARRICADE
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- DIRECTION OF TRAFFIC
- WORK AREA

N

LANE CLOSED
R11-2L
48"X30"

FOLLOW SDD "BARRICADES AND SIGNS FOR SIDEROAD CLOSURES" DETAIL 1

ROAD CLOSED
R11-2
48"X30"

OAKWOOD RD

LANE CLOSED
R11-2L
48"X30"

LANE CLOSED
R11-2L
48"X30"

R3-1
24"X24"

786+00 787+00 788+00 STH 21 WB 25' TYP. 789+00 790+00 791+00

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

LANE CLOSED
R11-2L
48"X30"

R3-2
24"X24"

386+00 387+00 388+00 389+00 390+00 391+00

STH 21 EB

LANE CLOSED
R11-2L
48"X30"

LANE CLOSED
R11-2L
48"X30"

LANE CLOSED
R11-2L
48"X30"

R3-1
24"X24"

ROAD CLOSED
R11-2
48"X30"

FOLLOW SDD "BARRICADES AND SIGNS FOR SIDEROAD CLOSURES" DETAIL 1

LEGEND

- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE III BARRICADE
- TRAFFIC CONTROL SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- DIRECTION OF TRAFFIC
- WORK AREA
- WORK ZONE START LOCATION MARKER
- WORK ZONE END LOCATION MARKER
- CONNECTED FLASHING ARROW BOARD

N

LANE CLOSED
R11-2L
48"X30"

R3-2
24"X24"

PC: 392+84.64

792+00 793+00 794+00 STH 21 WB 795+00 796+00 797+00

MATCH LINE STA 391+80

392+00 393+00 394+00 STH 21 EB 395+00 396+00 397+00

25' TYP.

100' TYP.

LANE CLOSED
R11-2L
48"X30"

PC: 392+87.74

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

PROJECT NO: 6180-31-71	HWY: STH 21	COUNTY: WINNEBAGO	TRAFFIC CONTROL - STAGE 1 - PHASE 2B	SHEET 122	E

FILE NAME : N:\3001455.00\CIVIL 3D\SHEETS\61803171-025106-TC.DWG
LAYOUT NAME - 61803171-025122-tc

PLOT DATE : 7/30/2025 9:14 AM PLOT BY : BRANDI SWANSON PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

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

100' TYP.

LANE CLOSED
R11-2L
48"X30"

FOLLOW SDD "BARRICADES AND SIGNS FOR SIDEROAD CLOSURES" DETAIL 3

OAKWOOD RD

15' TYP.

BEGIN RIGHT TURN LANE
R3-20R
24"X36"

25' TYP.

N

787+00 788+00 789+00 790+00 791+00 792+00

STH 21 WB

387+00 388+00 389+00 390+00 391+00 392+00

STH 21 EB

25' TYP.

LANE CLOSED
R11-2L
48"X30"

BEGIN RIGHT TURN LANE
R3-20R
24"X36"

FOLLOW SDD "BARRICADES AND SIGNS FOR SIDEROAD CLOSURES" DETAIL 3

15' TYP.

R11-2L
48"X30"

LANE CLOSED

MATCH LINE STA 392+75

2

LEGEND

- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE III BARRICADE
- TRAFFIC CONTROL SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- DIRECTION OF TRAFFIC
- WORK AREA
- WORK ZONE START LOCATION MARKER
- WORK ZONE END LOCATION MARKER
- CONNECTED FLASHING ARROW BOARD

MATCH LINE STA 392+75

N

LANE CLOSED
R11-2L
48"X30"

PC: 792+84.64

793+00 794+00 795+00 796+00 797+00

STH 21 WB

393+00 394+00 395+00 396+00 397+00

STH 21 EB

100' TYP.

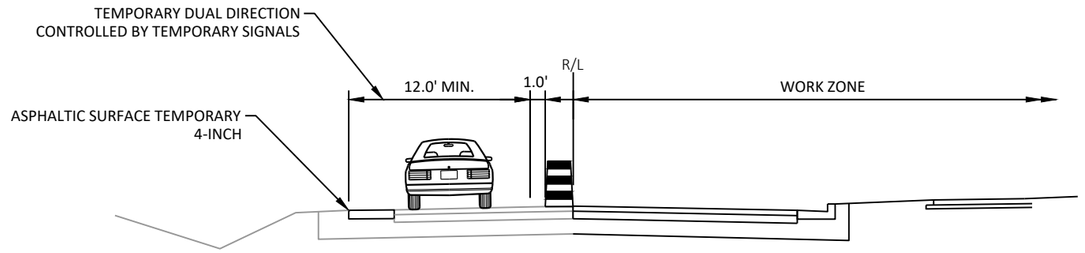
PC: 392+87.74

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

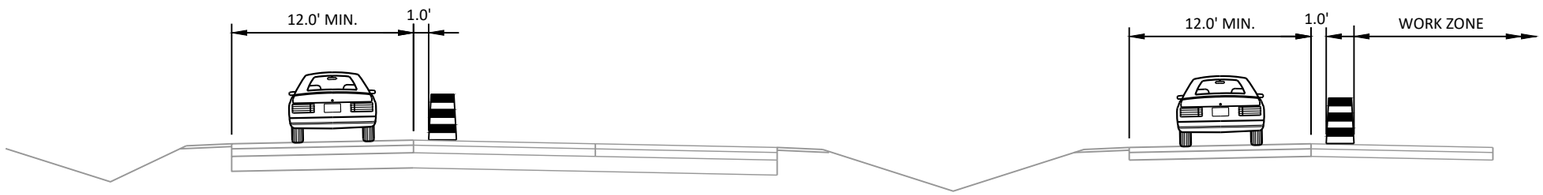
PROJECT NO: 6180-31-71	HWY: STH 21	COUNTY: WINNEBAGO	TRAFFIC CONTROL - STAGE 1 - PHASE 2C	SHEET 123	E

FILE NAME : N:\3001455.00\CIVIL 3D\SHEETS\61803171-025107-TC.DWG
LAYOUT NAME - 61803171-025123-tc
PLOT DATE : 7/30/2025 9:14 AM
PLOT BY : BRANDI SWANSON
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44

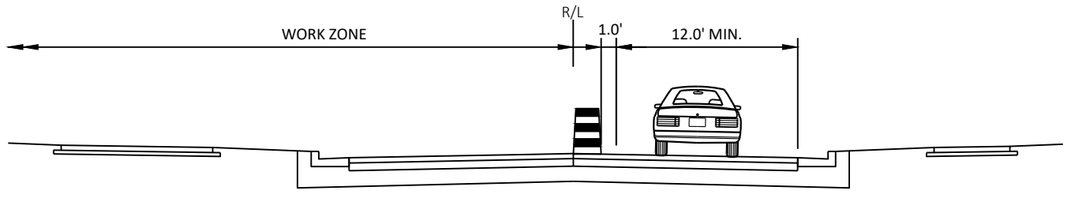
2



STAGE 2 PHASE 1 - LEONARD POINT ROAD



STAGE 2 PHASE 1 - STH 21

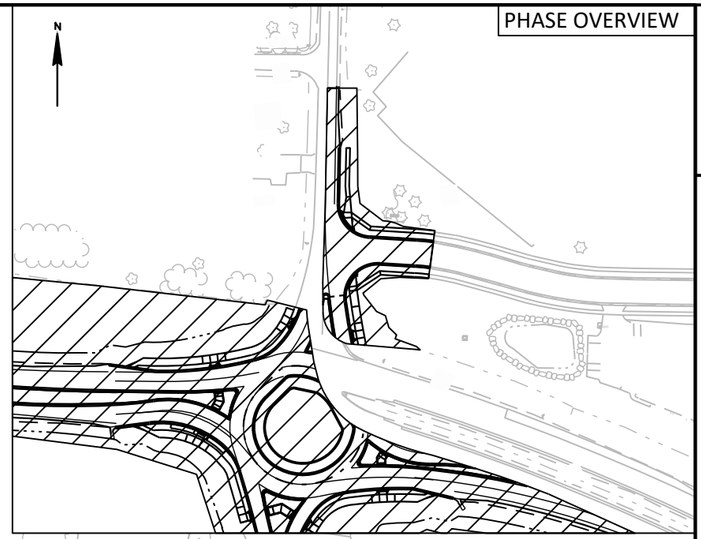


STAGE 2 PHASE 2 - LEONARD POINT ROAD

PROJECT NO: 6180-31-71	HWY: STH 21	COUNTY: WINNEBAGO	TRAFFIC CONTROL STAGE 2	SHEET 124	E

2

PHASE OVERVIEW



MATCH LINE STA 814+25

TRUCKS ENTERING & LEAVING
W108-6A

STOP HERE ON RED
R10-6
24"X36"

W101-4R

FOLLOW SDD "BARRICADES AND SIGNS FOR SIDEROAD CLOSURES DETAIL 1"

ROAD CLOSED
R11-2
48"X30"

PIERCE LANE

STOP HERE ON RED
R10-6
24"X36"

FOLLOW SDD "TRAFFIC CONTROL, ONE LANE ROAD WITH TEMPORARY SIGNALS"

A

+16.46
20.27' LT

B

C

+33.32
14.91' LT

LEONARD POINT ROAD

OMRO ROAD

ROAD CLOSED
R11-2
48"X30"

FOLLOW SDD "BARRICADES AND SIGNS FOR SIDEROAD CLOSURES'"

LEGEND

- TYPE III BARRICADE WITH ATTACHED SIGN & TYPE A WARNING LIGHT (FLASHING)
- TYPE III BARRICADE
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- MARKING LINE REMOVAL
- WORK AREA
- ASPHALTIC SURFACE TEMPORARY
- WORK ZONE START LOCATION MARKER
- WORK ZONE END LOCATION MARKER
- DIRECTION OF TRAFFIC
- (A) TEMPORARY MARKING LINE PAINT 6-INCH (WHITE)
- (B) TEMPORARY MARKING STOP LINE PAINT 18-INCH
- (C) TEMPORARY MARKING LINE PAINT 6-INCH (DOUBLE YELLOW)
- TRAILER MOUNTED TEMPORARY SIGNAL
- VIDEO DETECTOR

PROJECT NO: 6180-31-71	HWY: STH 21	COUNTY: WINNEBAGO	TRAFFIC CONTROL - STAGE 2 PHASE 1	SHEET 125	E

2

2

MATCH LINE STA 814+25

MATCH LINE STA 339+00 'EB'

STH 21 WB

STH 21 EB

300'

350'

STOP HERE ON RED
R10-6
24"X36"

NO TURN ON RED
R10-11
24"X30"

DO NOT ENTER
R5-1
30"X30"

W03-3

ONE LANE ROAD AHEAD
W20-4A

738+00
739+00
737+00
338+00
339+00
337+00
736+00
336+00
735+00
23+00
24+00

740+00
741+00
742+00
743+00
340+00
341+00
342+00
343+00

LEGEND

- TYPE III BARRICADE WITH ATTACHED SIGN & TYPE A WARNING LIGHT (FLASHING)
- TYPE III BARRICADE
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- MARKING LINE REMOVAL
- WORK AREA
- ASPHALTIC SURFACE TEMPORARY
- (S) WORK ZONE START LOCATION MARKER
- (E) WORK ZONE END LOCATION MARKER
- DIRECTION OF TRAFFIC
- (A) TEMPORARY MARKING LINE PAINT 6-INCH (WHITE)
- (B) TEMPORARY MARKING STOP LINE PAINT 18-INCH
- (C) TEMPORARY MARKING LINE PAINT 6-INCH (DOUBLE YELLOW)
- TRAILER MOUNTED TEMPORARY SIGNAL
- VIDEO DETECTOR

PHASE OVERVIEW

PROJECT NO: 6180-31-71	HWY: STH 21	COUNTY: WINNEBAGO	TRAFFIC CONTROL - STAGE 2 PHASE 1	SHEET 126 E

FILE NAME : N:\3001455.00\CIVIL 3D\SHEETS\61803171-025100-TC.DWG
LAYOUT NAME - 61803171-025142-tc

PLOT DATE : 7/29/2025 5:21 PM PLOT BY : BRANDI SWANSON PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- TYPE III BARRICADE WITH ATTACHED SIGN & TYPE A WARNING LIGHT (FLASHING)
- TYPE III BARRICADE
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- MARKING LINE REMOVAL
- WORK AREA
- ASPHALTIC SURFACE TEMPORARY
- (S) WORK ZONE START LOCATION MARKER
- (E) WORK ZONE END LOCATION MARKER
- DIRECTION OF TRAFFIC
- (A) TEMPORARY MARKING LINE PAINT 6-INCH (WHITE)
- (B) TEMPORARY MARKING STOP LINE PAINT 18-INCH
- (C) TEMPORARY MARKING LINE PAINT 6-INCH (DOUBLE YELLOW)
- TRAILER MOUNTED TEMPORARY SIGNAL
- VIDEO DETECTOR

N

WO1-6 48"X24"

TRUCKS ENTERING & LEAVING W08-6A

STOP HERE ON RED R10-6 24"X36"

PT: 815+75.31

815+00

816+00

817+00

818+00

FOLLOW SDD "BARRICADES AND SIGNS FOR SIDEROAD CLOSURES DETAIL 1"

ROAD CLOSED R11-2 48"X30"

PIERCE LANE

STOP HERE ON RED R10-6 24"X36"

PI: 817+28.63

FOLLOW SDD "TRAFFIC CONTROL, ONE LANE ROAD WITH TEMPORARY SIGNALS"

B

C

EP: 818+64.68

LEONARD POINT ROAD

12' MIN

WO1-6 48"X24"

WO1-6 48"X24"

STOP HERE ON RED R10-6 24"X36"

NO TURN ON RED R10-11 24"X30"

ROAD CLOSED R11-2 48"X30"

111+00

OMRO ROAD

12+00

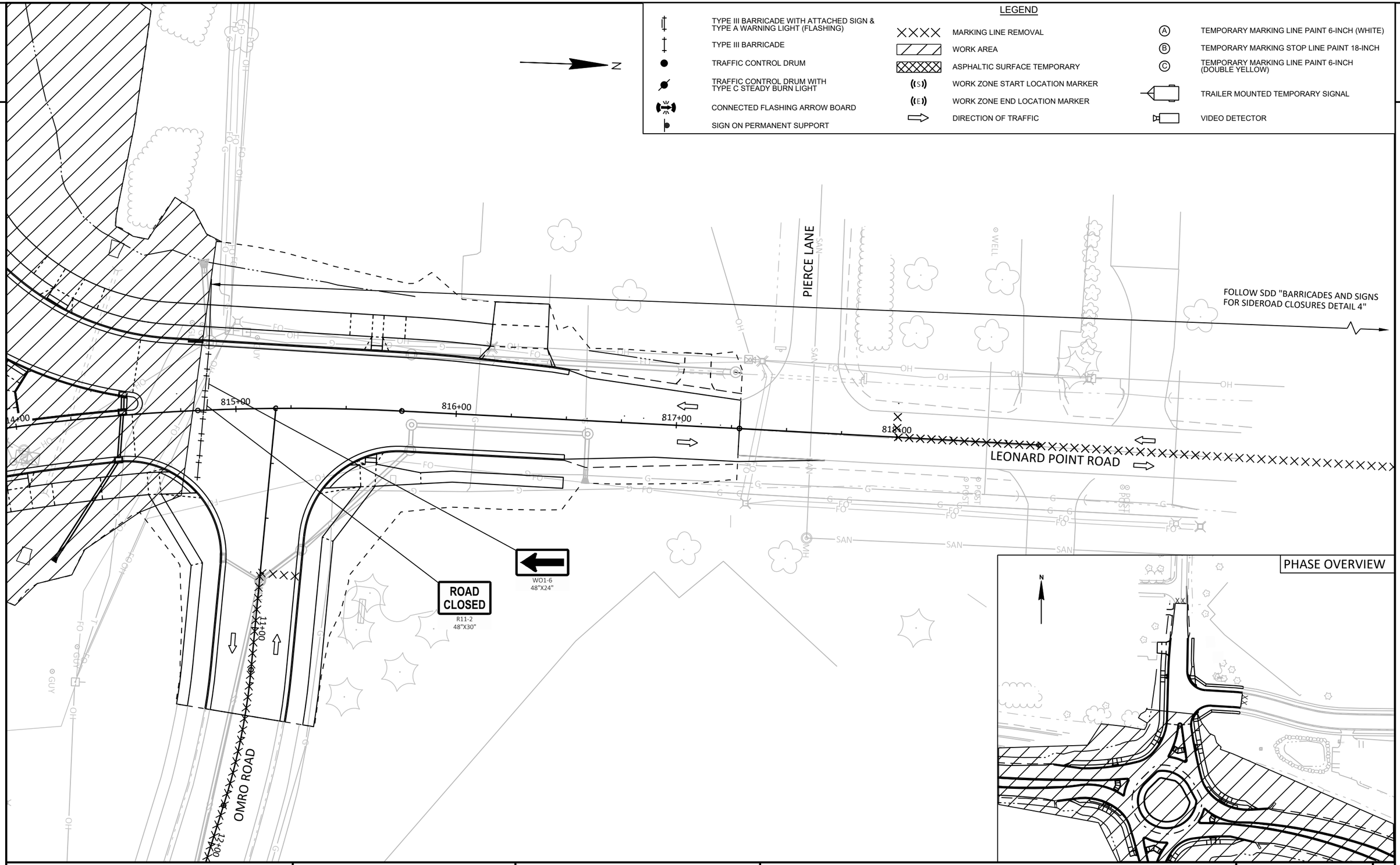
FOLLOW SDD "TRAFFIC CONTROL, ONE LANE ROAD WITH TEMPORARY SIGNALS"

PHASE OVERVIEW

PROJECT NO: 6180-31-71	HWY: STH 21	COUNTY: WINNEBAGO	TRAFFIC CONTROL - STAGE 2 PHASE 2	SHEET 127 E

FILE NAME : N:\3001455.00\CIVIL 3D\SHEETS\61803171-025101-TC.DWG
LAYOUT NAME - 61803171-025146-tc
PLOT DATE : 7/29/2025 5:21 PM
PLOT BY : BRANDI SWANSON
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2



2

PROJECT NO: 6180-31-71	HWY: STH 21	COUNTY: WINNEBAGO	TRAFFIC CONTROL - STAGE 2 PHASE 3	SHEET 128 E

FILE NAME : N:\3001455.00\CIVIL 3D\SHEETS\61803171-025102-TC.DWG
LAYOUT NAME - 61803171-025151-tc

PLOT DATE : 7/29/2025 5:21 PM PLOT BY : BRANDI SWANSON PLOT NAME : PLOT SCALE : 1 IN:40 FT

TEMPORARY SIGNAL TIMING
STAGE 2 PHASE 1 - STH 21 TO LEONARD POINT RD

PRETIMED CYCLE 1 = 113 SEC			
TIME: 6:00 AM - 6:00 PM			
	Ø1 WB STH 21	Ø2 EB PRIVATE DRIVEWAY	Ø3 SB LEONARD POINT RD
GREEN TIME	29 SEC	5 SEC	19 SEC
YELLOW	4 SEC	4 SEC	4 SEC
ALL RED	17 SEC	14 SEC	17 SEC

PRETIMED CYCLE 2 = 93 SEC			
TIME: 6:00 PM - 6:00 AM			
	Ø1 WB STH 21	Ø2 EB PRIVATE DRIVEWAY	Ø3 SB LEONARD POINT RD
GREEN TIME	17 SEC	5 SEC	11 SEC
YELLOW	4 SEC	4 SEC	4 SEC
ALL RED	17 SEC	14 SEC	17 SEC

PHASE 3 SHALL COME AFTER PHASE 1, PHASE 1 SHALL COME AFTER PHASE 3. PHASE 2 ONLY TO BE CALLED WHEN VEHICLE DETECTED.

CONTRACTOR SHALL REVIEW SIGNALS AFTER PROGRAMMING TO ASSURE THERE ARE NOT CONFLICTING MOVEMENTS.

THE ALL-RED INTERVAL IS BASED ON THE STOPLINE TO STOPLINE DISTANCE IN THE TRAFFIC CONTROL PLANS.

IF THERE ARE QUESTIONS REGARDING TIMINGS PLEASE CONTACT TRAFFIC ENGINEER.

TEMPORARY SIGNAL TIMING
STAGE 2 PHASE 2 - OMRO RD TO LEONARD POINT RD

PRETIMED CYCLE 1 = 94 SEC			
TIME: 6:00 AM - 6:00 PM			
	Ø1 WB OMRO RD	Ø2 EB PRIVATE DRIVEWAY	Ø3 SB LEONARD POINT RD
GREEN TIME	24 SEC	5 SEC	16 SEC
YELLOW	4 SEC	4 SEC	4 SEC
ALL RED	13 SEC	11 SEC	13 SEC

PRETIMED CYCLE 2 = 74 SEC			
TIME: 6:00 PM - 6:00 AM			
	Ø1 WB OMRO RD	Ø2 EB PRIVATE DRIVEWAY	Ø3 SB LEONARD POINT RD
GREEN TIME	12 SEC	5 SEC	8 SEC
YELLOW	4 SEC	4 SEC	4 SEC
ALL RED	13 SEC	11 SEC	13 SEC

PHASE 3 SHALL COME AFTER PHASE 1, PHASE 1 SHALL COME AFTER PHASE 3. PHASE 2 ONLY TO BE CALLED WHEN VEHICLE DETECTED.

CONTRACTOR SHALL REVIEW SIGNALS AFTER PROGRAMMING TO ASSURE THERE ARE NOT CONFLICTING MOVEMENTS.

THE ALL-RED INTERVAL IS BASED ON THE STOPLINE TO STOPLINE DISTANCE IN THE TRAFFIC CONTROL PLANS.

IF THERE ARE QUESTIONS REGARDING TIMINGS PLEASE CONTACT TRAFFIC ENGINEER.

2

ENC: 317'EB'+59.12
-2.00% LT -2.00% RT

LC: 318'EB'+12.30
0.00% LT -2.00% RT

RC: 318'EB'+65.49
2.00% LT -2.00% RT

BFS: 319'EB'+29.30
4.40% LT -4.40% RT

S89°27'18.7"E

317'EB'

318'EB'

319'EB'

320'EB'

321'EB'

322'EB'

PC: 318'EB'+90.31

MATCH LINE STA 322+75

POL STA = 317+00.00
Y = 478838.812
X = 768880.626

PI 'EB' STA = 322+73.21
Y = 478833.361
X = 769453.806
DELTA = 014°32'49.0"
D = 001°54'35.5"
T = 382.90'
L = 761.68'
R = 3000.00'
PC 'EB' STA = 318+90.31
Y = 478837.002
X = 769070.926
PT 'EB' STA = 326+51.98
Y = 478733.668
X = 769823.497
BK = S89° 27' 18.7"E
AH = S74° 54' 29.7"E

N

MATCH LINE STA 322+75

BP: 725'WB'+20.28

MAN: 725'WB'+45.11
2.00%%

MAN: 725'WB'+98.29
0.00%%

PC: 726'WB'+34.26

MAN: 726'WB'+51.47
-2.00%%

LC: 327'EB'+29.99
0.00% LT -2.00% RT

S77°25'25.3"E

323'EB'

324'EB'

325'EB'

726'WB'

326'EB'

727'WB'

728'WB'

327'EB' S74°54'29.7"E

328'EB'

PC: 327'EB'+79.67

MAN: 324'EB'+56.47
-4.40%

MAN: 325'EB'+20.28
-4.40%

STA 725+20.28 R/L STH 21 WB =
STA 325+20.28 R/L STH 21 EB
Y=478,765.158
X=769,695.620

EFS: 326'EB'+12.99
-4.40%

PT: 326'EB'+51.98

RC: 326'EB'+76.81
-2.00%

BNC: 327'EB'+83.17
-2.00%

PI 'EB' STA = 322+73.21
Y = 478833.361
X = 769453.806
DELTA = 014°32'49.0"
D = 001°54'35.5"
T = 382.90'
L = 761.68'
R = 3000.00'
PC 'EB' STA = 318+90.31
Y = 478837.002
X = 769070.926
PT 'EB' STA = 326+51.98
Y = 478733.668
X = 769823.497
BK = S89° 27' 18.7"E
AH = S74° 54' 29.7"E

PI 'EB' STA = 329+73.42
Y = 478649.978
X = 770133.844
DELTA = 018°20'37.4"
D = 004°46'28.7"
T = 193.75'
L = 384.19'
R = 1200.00'
PC 'EB' STA = 327+79.67
Y = 478700.425
X = 769946.774
PT 'EB' STA = 331+63.86
Y = 478660.969
X = 770327.285
BK = S74° 54' 29.7"E
AH = N86° 44' 52.9"E

'WB' STA = 728+93.90
Y = 478683.806
X = 770060.277
DELTA = 011°51'30.6"
D = 002°17'30.6"
T = 259.64'
L = 517.42'
R = 2500.00'
PC 'WB' STA = 726+34.26
Y = 478740.340
X = 769806.867
PT 'WB' STA = 731+51.69
Y = 478680.553
X = 770319.897
BK = S77° 25' 25.3"E
AH = S89° 16' 55.8"E

N

PROJECT NO: 6180-31-71	HWY: STH 21	COUNTY: WINNEBAGO	ALIGNMENT DETAILS - STH 21	SHEET 130	E

FILE NAME : N:\3001455.00\CIVIL 3D\SHEETS\61803171-027200-AD.DWG
LAYOUT NAME - 61803171-027201-ad
PLOT DATE : 5/6/2025 6:22 AM
PLOT BY : MATT TOMSOVIC
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44

PI 'WB' STA = 728+93.90
Y = 478683.806
X = 770060.277
DELTA = 011°51'30.6"
D = 002°17'30.6"
T = 259.64'
L = 517.42'
R = 2500.00'
PC 'WB' STA = 726+34.26
Y = 478740.340
X = 769806.867
PT 'WB' STA = 731+51.69
Y = 478680.553
X = 770319.897
BK = S77° 25' 25.3"E
AH = S89° 16' 55.8"E

PI 'WB' STA = 732+57.77
Y = 478679.224
X = 770425.974
DELTA = 004°32'32.5"
D = 011°27'33.0"
T = 19.83'
L = 39.64'
R = 500.00'
PC 'WB' STA = 732+37.94
Y = 478679.473
X = 770406.146
PT 'WB' STA = 732+77.58
Y = 478680.547
X = 770445.760
BK = S89° 16' 55.8"E
AH = N86° 10' 31.7"E

PI 'NW' STA = 60+00.00
Y = 478712.675
X = 770311.619

PI 'NW' STA = 61+28.91
Y = 478703.051
X = 770439.913
DELTA = 014°44'36.3"
D = 011°27'33.0"
T = 64.69'
L = 128.66'
R = 500.00'
PC 'NW' STA = 60+64.22
Y = 478703.862
X = 770375.231
PT 'NW' STA = 61+92.88
Y = 478718.729
X = 770502.672
BK = S89° 16' 55.8"E
AH = N75° 58' 27.9"E

PI 'NW' STA = 62+12.32
Y = 478723.440
X = 770521.533
DELTA = 031°02'28.5"
D = 081°51'04.0"
T = 19.44'
L = 37.92'
R = 70.00'
PC 'NW' STA = 61+92.88
Y = 478718.729
X = 770502.672
PT 'NW' STA = 62+30.80
Y = 478737.202
X = 770535.263
BK = N75° 58' 27.9"E
AH = N44° 55' 59.4"E

PI 'NW' STA = 62+78.54
Y = 478770.994
X = 770568.975
DELTA = 043°22'57.3"
D = 047°44'47.3"
T = 47.73'
L = 90.86'
R = 120.00'
PC 'NW' STA = 62+30.80
Y = 478737.202
X = 770535.263
PT 'NW' STA = 63+21.66
Y = 478818.709
X = 770570.267
BK = N44° 55' 59.4"E
AH = N01° 33' 02.1"E

PI 'RA' STA = 20+26.22
Y = 478653.975
X = 770499.984
DELTA = 049°24'38.6"
D = 100°31'08.1"
T = 26.22'
L = 49.16'
R = 57.00'
PC 'RA' STA = 20+00.00
Y = 478672.325
X = 770518.718
PT 'RA' STA = 20+49.16
Y = 478627.809
X = 770501.730
BK = S45° 35' 33.9"W
AH = S03° 49' 04.7"E

PI 'RA' STA = 20+80.59
Y = 478596.442
X = 770503.824
DELTA = 053°02'18.9"
D = 090°56'44.5"
T = 31.44'
L = 58.32'
R = 63.00'
PC 'RA' STA = 20+49.16
Y = 478627.809
X = 770501.730
PT 'RA' STA = 21+07.47
Y = 478579.254
X = 770530.146
BK = S03° 49' 04.7"E
AH = S56° 51' 23.6"E

PI 'RA' STA = 22+18.25
Y = 478518.691
X = 770622.896
DELTA = 116°09'45.2"
D = 083°02'14.5"
T = 110.77'
L = 139.89'
R = 69.00'
PC 'RA' STA = 21+07.47
Y = 478579.254
X = 770530.146
PT 'RA' STA = 22+47.37
Y = 478628.642
X = 770636.359
BK = S56° 51' 23.6"E
AH = N06° 58' 51.2"E

PI 'RA' STA = 22+50.53
Y = 478631.781
X = 770636.744
DELTA = 035°06'01.2"
D = 572°57'28.1"
T = 3.16'
L = 6.13'
R = 10.00'
PC 'RA' STA = 22+47.37
Y = 478628.642
X = 770636.359
PT 'RA' STA = 22+53.49
Y = 478634.570
X = 770635.253
BK = N06° 58' 51.2"E
AH = N28° 07' 10.0"W

PI 'RA' STA = 23+34.51
Y = 478706.025
X = 770597.069
DELTA = 069°05'43.5"
D = 083°02'14.5"
T = 47.51'
L = 83.21'
R = 69.00'
PC 'RA' STA = 22+87.00
Y = 478664.125
X = 770619.460
PT 'RA' STA = 23+70.21
Y = 478700.058
X = 770549.938
BK = N28° 07' 10.0"W
AH = S82° 47' 06.5"W

PI 'RA' STA = 23+73.58
Y = 478699.636
X = 770546.600
DELTA = 037°11'32.6"
D = 572°57'28.1"
T = 3.36'
L = 6.49'
R = 10.00'
PC 'RA' STA = 23+70.21
Y = 478700.058
X = 770549.938
PT 'RA' STA = 23+76.70
Y = 478697.281
X = 770544.196
BK = S82° 47' 06.5"W
AH = S45° 35' 33.9"W

N

BP: 60'NW'+00.00
PC: 60'NW'+64.22
PT: 731'WB'+51.69
S82°06'44.3"E
PC: 732'WB'+37.94
1'NW'
PT: 732'WB'+77.58
PI: 733'WB'+20.63
62'NW'
PCC: 61'NW'+92.88
PCC: 62'NW'+30.80
PC: 913'SB'+77.18
914'SB'
PRC: 914'SB'+95.65
MAN: 914'SB'+91.80
0.00%
PT: 63'NW'+21.66
63'NW'
MAN: 914'SB'+25.00
0.00%
915'SB'
815'NB'
MAN: 815'NB'+00
-1.8
MAN: 814'NB'+8
-2
MAN: 814'NB'+
814'NB'
53'
LEONARD POINT RD
PC: 813'NB'+
PI: 813'NB'
N07°26'29.2"W
N01°33'02.1"E 64'
729'WB'
730'WB'
731'WB'
S89°16'55.8"E 732'WB'
733'WB' N86°10'31.7"E
329'EB'
330'EB'
331'EB'
STH 21
PCC: 331'EB'+63.86
332'EB'
MAN: 331'EB'+56.09
-2.77%
333'EB'
MAN: 331'EB'+00.00
-2.00%
N82°38'18.8"E
31'SW'
BP: 30'SW'+00.00
PC: 30'SW'+44.47
PRC: 332'EB'+07.51
PI: 333'EB'+14.68
PCC: 31'SW'+45.40
PCC: 31'SW'+92.96
32'SW'
PI: 911'SB'+93.39
MAN: 911'SB'+71.50
0.00%
PI: 911'SB'+65.14
N09°37'07.7"W
PT: 334'EB'+86.89
PT: 813'NB'+81.69
PCC: 45'SE'+99.20
PCC: 45'SE'
52'NE'
24'RA' S45°35'33.9"W
PT: 23'RA'+76.70
23'RA'
PC: 23'RA'+70.21
N28°07'10.0"W
FP: 24'RA'+42.37
20'RA'+00.00
PC: 22'RA'+87.00
PCC: 20'RA'+49.16
PCC: 22'RA'+47.37
PT: 22'RA'+53.49
PCC: 21'RA'+07.47
21'RA'
22'RA'

PI 'EB' STA = 329+73.42
Y = 478649.978
X = 770133.844
DELTA = 018°20'37.4"
D = 004°46'28.7"
T = 193.75'
L = 384.19'
R = 1200.00'
PC 'EB' STA = 327+79.67
Y = 478700.425
X = 769946.774
PT 'EB' STA = 331+63.86
Y = 478660.969
X = 770327.285
BK = S74° 54' 29.7"E
AH = N86° 44' 52.9"E

PI 'EB' STA = 331+85.70
Y = 478662.208
X = 770349.092
DELTA = 005°00'09.0"
D = 011°27'33.0"
T = 21.84'
L = 43.66'
R = 500.00'
PC 'EB' STA = 331+63.86
Y = 478660.969
X = 770327.285
PT 'EB' STA = 332+07.51
Y = 478665.344
X = 770370.707
BK = N86° 44' 52.9"E
AH = N81° 44' 43.8"E

PI 'EB' STA = 332+64.00
Y = 478673.455
X = 770426.615
DELTA = 044°49'08.7"
D = 041°49'18.3"
T = 56.49'
L = 107.17'
R = 137.00'
PC 'EB' STA = 332+07.51
Y = 478665.344
X = 770370.707
PT 'EB' STA = 333+14.68
Y = 478639.800
X = 770471.991
BK = N81° 44' 43.8"E
AH = S53° 26' 07.5"E

PI 'SW' STA = 30+00.00
Y = 478632.637
X = 770320.932

PI 'SW' STA = 30+97.87
Y = 478645.177
X = 770417.993
DELTA = 046°15'35.9"
D = 045°50'11.8"
T = 53.39'
L = 100.92'
R = 125.00'
PC 'SW' STA = 30+44.47
Y = 478638.336
X = 770365.039
PT 'SW' STA = 31+45.40
Y = 478611.648
X = 770459.548
BK = N82° 38' 18.8"E
AH = S51° 06' 05.3"E

PI 'SW' STA = 31+69.91
Y = 478596.258
X = 770478.623
DELTA = 034°03'59.2"
D = 071°37'11.0"
T = 24.51'
L = 47.57'
R = 80.00'
PC 'SW' STA = 31+45.40
Y = 478611.648
X = 770459.548
PT 'SW' STA = 31+92.96
Y = 478572.824
X = 770485.803
BK = S51° 06' 05.3"E
AH = S17° 02' 06.1"E

PI 'SW' STA = 33+09.53
Y = 478461.369
X = 770519.952
DELTA = 008°20'20.8"
D = 003°34'59.6"
T = 116.57'
L = 232.73'
R = 1599.00'
PC 'SW' STA = 31+92.96
Y = 478572.824
X = 770485.803
PT 'SW' STA = 34+25.69
Y = 478346.140
X = 770537.576
BK = S17° 02' 06.1"E
AH = S08° 41' 45.3"E

PROJECT NO: 6180-31-71	HWY: STH 21	COUNTY: WINNEBAGO	ALIGNMENT DETAILS - STH 21	SHEET 131	E

PI 'NB' STA = 813+60.68
Y = 478712.297
X = 770615.961

PI 'NE' STA = 50+00.00
Y = 478612.159
X = 770798.158

PI 'NE' STA = 50+84.99
Y = 478607.132
X = 770713.320
DELTA = 041°32'29.8"
D = 047°44'47.3"
T = 45.51'
L = 87.00'
R = 120.00'
PC 'NE' STA = 50+39.47
Y = 478609.824
X = 770758.754
PT 'NE' STA = 51+26.48
Y = 478635.247
X = 770677.529
BK = S86° 36' 30.8"W
AH = N51° 50' 59.4"W

PI 'NE' STA = 51+57.89
Y = 478654.650
X = 770652.827
DELTA = 037°19'29.9"
D = 061°36'30.1"
T = 31.41'
L = 60.58'
R = 93.00'
PC 'NE' STA = 51+26.48
Y = 478635.247
X = 770677.529
PT 'NE' STA = 51+87.06
Y = 478685.057
X = 770644.949
BK = N51° 50' 59.4"W
AH = N14° 31' 29.6"W

PI 'NE' STA = 52+44.26
Y = 478740.424
X = 770630.605
DELTA = 006°32'49.0"
D = 005°43'46.5"
T = 57.20'
L = 114.27'
R = 1000.00'
PC 'NE' STA = 51+87.06
Y = 478685.057
X = 770644.949
PT 'NE' STA = 53+01.33
Y = 478797.066
X = 770622.667
BK = N14° 31' 29.6"W
AH = N07° 58' 40.6"W

PI 'WB' STA = 735+45.83
Y = 478583.656
X = 770687.667
DELTA = 043°37'00.9"
D = 047°21'06.8"
T = 48.42'
L = 92.11'
R = 121.00'
PC 'WB' STA = 734+97.41
Y = 478616.962
X = 770652.525
PT 'WB' STA = 735+89.52
Y = 478583.786
X = 770736.084
BK = S46° 32' 12.1"E
AH = N89° 50' 47.0"E

PI 'WB' STA = 736+10.02
Y = 478583.841
X = 770756.578
DELTA = 005°12'54.3"
D = 012°43'56.6"
T = 20.49'
L = 40.96'
R = 450.00'
PC 'WB' STA = 735+89.52
Y = 478583.786
X = 770736.084
PT 'WB' STA = 736+30.48
Y = 478582.033
X = 770776.992
BK = N89° 50' 47.0"E
AH = S84° 56' 18.8"E

PI 'WB' STA = 738+51.84
Y = 478562.503
X = 770997.486
DELTA = 022°45'20.9"
D = 005°12'31.3"
T = 221.36'
L = 436.88'
R = 1100.00'
PC 'WB' STA = 736+30.48
Y = 478582.033
X = 770776.992
PT 'WB' STA = 740+67.36
Y = 478459.206
X = 771193.264
BK = S84° 56' 18.8"E
AH = S62° 10' 57.8"E

PI 'SW' STA = 33+09.53
Y = 478461.369
X = 770519.952
DELTA = 008°20'20.8"
D = 003°34'59.6"
T = 116.57'
L = 232.73'
R = 1599.00'
PC 'SW' STA = 31+92.96
Y = 478572.824
X = 770485.803
PT 'SW' STA = 34+25.69
Y = 478346.140
X = 770537.576
BK = S17° 02' 06.1"E
AH = S08° 41' 45.3"E

PI 'SE' STA = 44+21.61
Y = 478404.103
X = 770560.396
DELTA = 005°41'49.5"
D = 057°17'44.8"
T = 4.98'
L = 9.94'
R = 100.00'
PC 'SE' STA = 44+16.63
Y = 478399.204
X = 770561.262
PT 'SE' STA = 44+26.58
Y = 478408.893
X = 770559.048
BK = N10° 01' 09.7"W
AH = N15° 42' 59.2"W

PI 'SE' STA = 44+92.23
Y = 478472.091
X = 770541.264
DELTA = 055°25'06.1"
D = 045°50'11.8"
T = 65.65'
L = 120.90'
R = 125.00'
PC 'SE' STA = 44+26.58
Y = 478408.893
X = 770559.048
PT 'SE' STA = 45+47.48
Y = 478522.602
X = 770583.203
BK = N15° 42' 59.2"W
AH = N39° 42' 06.9"E

PI 'SE' STA = 45+74.58
Y = 478543.454
X = 770600.516
DELTA = 042°19'51.8"
D = 081°51'04.0"
T = 27.10'
L = 51.72'
R = 70.00'
PC 'SE' STA = 45+47.48
Y = 478522.602
X = 770583.203
PT 'SE' STA = 45+99.20
Y = 478547.211
X = 770627.357
BK = N39° 42' 06.9"E
AH = N82° 01' 58.7"E

PI 'SE' STA = 46+42.19
Y = 478553.169
X = 770669.928
DELTA = 009°49'38.9"
D = 011°27'33.0"
T = 42.99'
L = 85.76'
R = 500.00'
PC 'SE' STA = 45+99.20
Y = 478547.211
X = 770627.357
PT 'SE' STA = 46+84.96
Y = 478551.773
X = 770712.891
BK = N82° 01' 58.7"E
AH = S88° 08' 22.5"E

PI 'SE' STA = 47+40.16
Y = 478539.032
X = 770766.602

PI 'SB' STA = 911+93.39
Y = 478555.408
X = 770511.842

PI 'SB' STA = 910+20.42
Y = 478413.304
X = 770700.531

PI 'SB' STA = 910+45.42
Y = 478410.924
X = 770543.854
DELTA = 004°28'27.4"
D = 003°32'51.8"
T = 63.09'
L = 126.12'
R = 1615.00'
PC 'SB' STA = 909+82.33
Y = 478348.559
X = 770553.393
PT 'SB' STA = 911+08.45
Y = 478472.355
X = 770529.479
BK = N08° 41' 45.3"W
AH = N13° 10' 12.7"W

PI 'NB' STA = 808+35.73
Y = 478203.125
X = 770581.860
DELTA = 011°53'13.5"
D = 002°43'42.1"
T = 218.63'
L = 435.68'
R = 2100.00'
PC 'NB' STA = 806+17.10
Y = 477984.552
X = 770577.018
PT 'NB' STA = 810+52.78
Y = 478418.009
X = 770541.575
BK = N01° 16' 08.4"E
AH = N10° 37' 05.1"W

PI 'NB' STA = 811+21.99
Y = 478486.029
X = 770528.823
DELTA = 051°38'58.8"
D = 040°04'01.1"
T = 69.21'
L = 128.91'
R = 143.00'
PC 'NB' STA = 810+52.78
Y = 478418.009
X = 770541.575
PT 'NB' STA = 811+81.69
Y = 478538.234
X = 770574.255
BK = N10° 37' 05.1"W
AH = N41° 01' 53.7"E

PI 'EB' STA = 334+86.89
Y = 478579.828
X = 770633.424

PI 'EB' STA = 335+49.76
Y = 478579.027
X = 770696.292
DELTA = 004°32'26.1"
D = 011°27'33.0"
T = 19.82'
L = 39.62'
R = 500.00'
PC 'EB' STA = 335+29.94
Y = 478579.279
X = 770676.472
PT 'EB' STA = 335+69.57
Y = 478577.206
X = 770716.031
BK = S89° 16' 11.4"E
AH = S84° 43' 45.2"E

PI 'EB' STA = 337+71.04
Y = 478558.697
X = 770916.659
DELTA = 020°45'31.8"
D = 005°12'31.3"
T = 201.48'
L = 398.54'
R = 1100.00'
PC 'EB' STA = 335+69.57
Y = 478577.206
X = 770716.031
PT 'EB' STA = 339+68.11
Y = 478470.281
X = 771097.701
BK = S84° 43' 45.2"E
AH = S63° 58' 13.4"E

STA 809+82.33 R/L LEONARD PT RD NB =
STA 909+82.33 R/L LEONARD PT RD SB
Y=478,348.559
X=770,553.393

PROJECT NO: 6180-31-71	HWY: STH 21	COUNTY: WINNEBAGO	ALIGNMENT DETAILS - STH 21	SHEET 132	E

STA 817+30.32 R/L LEONARD PT RD NB =
STA 917+33.27 R/L LEONARD PT RD SB
Y=479,080.796
X=770,600.346

MAN: 917'SB'+33.27
???
EP: 917'SB'+33.27
PI: 817'NB'+28.63

917'SB'
817'NB'
N01°02'00.4"E
LEONARD POINT RD

MAN: 916'SB'+48.18
0.00%
PRC: 916'SB'+41.46
EP: 65'NW'+04.07
PC: 64'NW'+96.48
65'NW'
N04°34'15.5"E
MAN: 816'NB'+44.10
-2.00%
MAN: 816'NB'+19.08
-2.00%
PT: 64'NW'+62.89
MAN: 915'SB'+98.18
0.00%
916'SB'
MAN: 916'SB'+23.18
0.00%
816'NB'
MAN: 815'NB'+77.23
-2.00%
PC: 64'NW'+33.07
PT: 815'NB'+75.31
MAN: 815'NB'+45.07
-1.80%

STA 10+00.00 R/L OMRO RD =
STA 815+18.13 R/L LEONARD PT RD NB
Y=478,868.645
X=770,598.234

64'NW'
N01°33'02.1"E
915'SB'
815'NB'
OMRO RD
S86°30'01.8"E
MAN: 815'NB'+00.45
-1.80%
11'OM'
MAN: 814'NB'+80.90
-2.00%
PRC: 914'SB'+95.65
MAN: 914'SB'+91.80
0.00%
PC: 11'OM'+19.17
PT: 11'OM'+82.01
12'OM'
S74°29'57.4"E
PT: 63'NW'+21.66
MAN: 814'NB'+44.45
-2.00%
63'NW'
MAN: 914'SB'+25.00
0.00%
LEONARD POINT RD
53'2
PC: 12'OM'+72.43
13'OM'
14'OM'
15'OM'
PT: 13'OM'+81.53
PCC: 62'NW'+30.80
PCC: 61'NW'+67.88
914'SB'
814'NB'
PC: 913'SB'+77.18
PC: 813'NB'+91.58
N07°26'29.2"W
NB'+20.63
62'NW'

N

PI 'SB' STA = 914+38.71
Y = 478782.925
X = 770600.582
DELTA = 038°08'02.1"
D = 032°11'19.1"
T = 61.52'
L = 118.47'
R = 178.00'
PC 'SB' STA = 913+77.18
Y = 478730.042
X = 770569.142
PT 'SB' STA = 914+95.65
Y = 478843.936
X = 770592.657
BK = N30° 43' 57.9"E
AH = N07° 24' 04.2"W

PI 'SB' STA = 915+68.98
Y = 478916.655
X = 770583.211
DELTA = 015°11'19.4"
D = 010°25'02.7"
T = 73.33'
L = 145.80'
R = 550.00'
PC 'SB' STA = 914+95.65
Y = 478843.936
X = 770592.657
PT 'SB' STA = 916+41.46
Y = 478989.310
X = 770593.147
BK = N07° 24' 04.2"W
AH = N07° 47' 15.2"E

PI 'SB' STA = 916+87.42
Y = 479034.846
X = 770599.375
DELTA = 006°34'33.8"
D = 007°09'43.1"
T = 45.96'
L = 91.82'
R = 800.00'
PC 'SB' STA = 916+41.46
Y = 478989.310
X = 770593.147
PT 'SB' STA = 917+33.27
Y = 479080.796
X = 770600.346
BK = N07° 47' 15.2"E
AH = N01° 12' 41.4"E

PI 'NB' STA = 814+83.73
Y = 478833.675
X = 770595.882
DELTA = 011°04'49.9"
D = 006°01'52.1"
T = 92.15'
L = 183.72'
R = 950.00'
PC 'NB' STA = 813+91.58
Y = 478742.940
X = 770611.958
PT 'NB' STA = 815+75.31
Y = 478925.809
X = 770597.544
BK = N10° 02' 49.4"W
AH = N01° 02' 00.4"E

PI 'OM' STA = 11+50.70
Y = 478859.446
X = 770748.657
DELTA = 012°00'04.4"
D = 019°05'54.9"
T = 31.53'
L = 62.84'
R = 300.00'
PC 'OM' STA = 11+19.17
Y = 478861.371
X = 770717.181
PT 'OM' STA = 11+82.01
Y = 478851.018
X = 770779.044
BK = S86° 30' 01.8"E
AH = S74° 29' 57.4"E

PI 'NW' STA = 62+12.32
Y = 478723.440
X = 770521.533
DELTA = 031°02'28.5"
D = 081°51'04.0"
T = 19.44'
L = 37.92'
R = 70.00'
PC 'NW' STA = 61+92.88
Y = 478718.729
X = 770502.672
PT 'NW' STA = 62+30.80
Y = 478737.202
X = 770535.263
BK = N75° 58' 27.9"E
AH = N44° 55' 59.4"E

PI 'NW' STA = 62+78.54
Y = 478770.994
X = 770568.975
DELTA = 043°22'57.3"
D = 047°44'47.3"
T = 47.73'
L = 90.86'
R = 120.00'
PC 'NW' STA = 62+30.80
Y = 478737.202
X = 770535.263
PT 'NW' STA = 63+21.66
Y = 478818.709
X = 770570.267
BK = N44° 55' 59.4"E
AH = N01° 33' 02.1"E

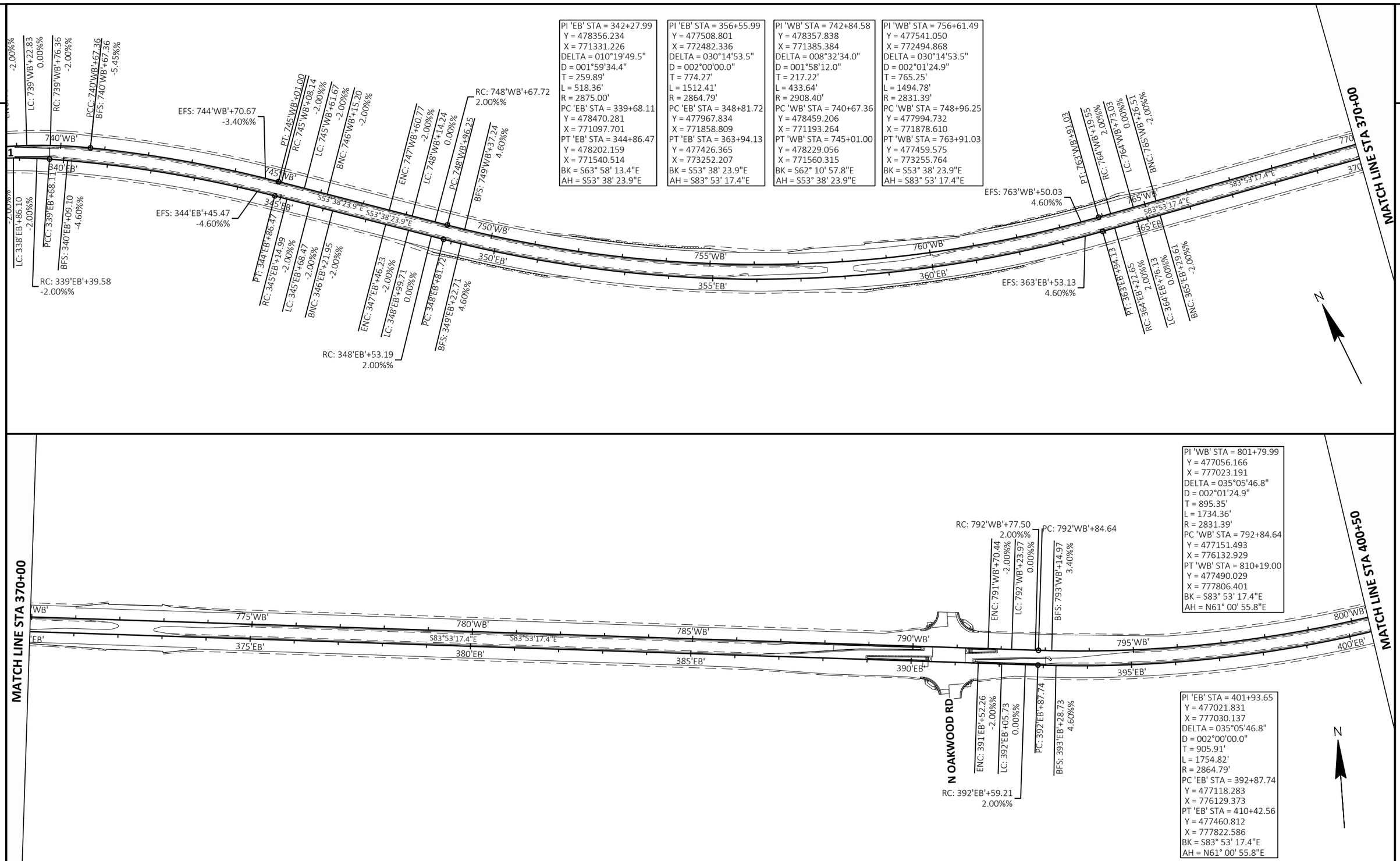
PI 'NW' STA = 64+47.98
Y = 478944.980
X = 770573.685
DELTA = 003°01'26.0"
D = 010°08'27.0"
T = 14.91'
L = 29.82'
R = 565.00'
PC 'NW' STA = 64+33.07
Y = 478930.073
X = 770573.281
PT 'NW' STA = 64+62.89
Y = 478959.846
X = 770574.874
BK = N01° 33' 02.1"E
AH = N04° 34' 28.1"E

PI 'NW' STA = 65+00.28
Y = 478997.096
X = 770578.048
DELTA = 000°21'55.7"
D = 004°49'02.5"
T = 3.79'
L = 7.59'
R = 1189.36'
PC 'NW' STA = 64+96.48
Y = 478993.335
X = 770577.552
PT 'NW' STA = 65+04.07
Y = 479000.859
X = 770578.520
BK = N07° 30' 56.5"E
AH = N07° 09' 00.8"E

PI 'NE' STA = 52+44.26
Y = 478740.424
X = 770630.605
DELTA = 006°32'49.0"
D = 005°43'46.5"
T = 57.20'
L = 114.27'
R = 1000.00'
PC 'NE' STA = 51+87.06
Y = 478685.057
X = 770644.949
PT 'NE' STA = 53+01.33
Y = 478797.066
X = 770622.667
BK = N14° 31' 29.6"W
AH = N07° 58' 40.6"W

PI 'OM' STA = 13+27.28
Y = 478812.194
X = 770919.033
DELTA = 014°42'28.1"
D = 013°28'52.9"
T = 54.85'
L = 109.10'
R = 425.00'
PC 'OM' STA = 12+72.43
Y = 478826.853
X = 770866.178
PT 'OM' STA = 13+81.53
Y = 478811.435
X = 770973.878
BK = S74° 29' 57.4"E
AH = S89° 12' 25.5"E

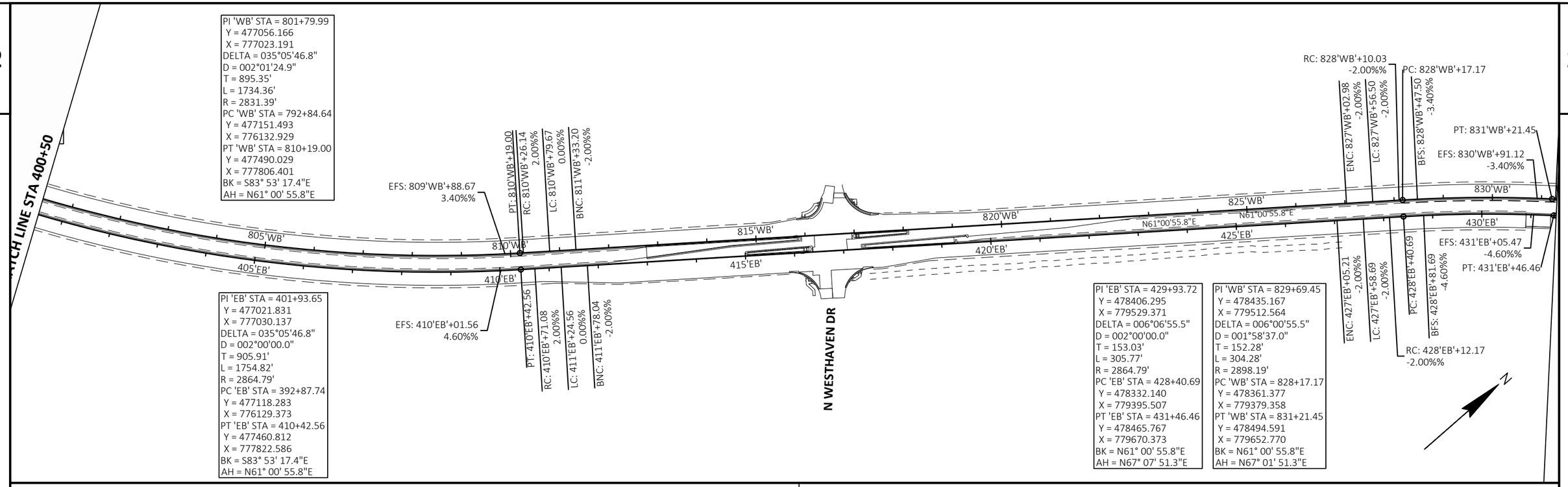
PROJECT NO: 6180-31-71	HWY: STH 21	COUNTY: WINNEBAGO	ALIGNMENT DETAILS - STH 21	SHEET 133	E

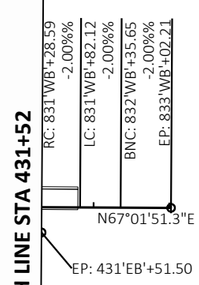


PROJECT NO: 6180-31-71	HWY: STH 21	COUNTY: WINNEBAGO	ALIGNMENT DETAILS - STH 21	SHEET 134	E

FILE NAME : N:\3001455.00\CIVIL 3D\SHEETS\61803171-027211-AD.DWG
LAYOUT NAME - 61803171-027211-ad
PLOT DATE : 5/6/2025 6:28 AM PLOT BY : MATT TOMSOVIC PLOT NAME : PLOT SCALE : 1 IN:200 FT

2





PROJECT NO: 6180-31-71	HWY: STH 21	COUNTY: WINNEBAGO	ALIGNMENT DETAILS - STH 21	SHEET 135	E

FILE NAME : N:\3001455.00\CIVIL 3D\SHEETS\61803171-027211-AD.DWG
LAYOUT NAME - 61803171-027212-ad
PLOT DATE : 5/6/2025 6:28 AM
PLOT BY : MATT TOMSOVIC
PLOT NAME :
PLOT SCALE : 1 IN:200 FT

6180-31-71

Line	Item	Item Description	Unit	Total	Qty
0002	108.4300	RBC Progress Schedule	EACH	1.000	1.000
0004	201.0105	Clearing	STA	1.000	1.000
0006	201.0120	Clearing	ID	36.000	36.000
0008	201.0205	Grubbing	STA	1.000	1.000
0010	201.0220	Grubbing	ID	36.000	36.000
0012	203.0100	Removing Small Pipe Culverts	EACH	13.000	13.000
0014	204.0100	Removing Concrete Pavement	SY	13,400.000	13,400.000
0016	204.0105	Removing Concrete Pavement Butt Joints	SY	1,525.000	1,525.000
0020	204.0115	Removing Asphaltic Surface Butt Joints	SY	361.000	361.000
0024	204.0150	Removing Curb & Gutter	LF	1,879.000	1,879.000
0028	204.0165	Removing Guardrail	LF	920.000	920.000
0032	204.0195	Removing Concrete Bases	EACH	11.000	11.000
0034	205.0100	Excavation Common	CY	28,708.000	28,708.000
0036	206.2001	Excavation for Structures Culverts (structure) 01. B-70-0098	EACH	1.000	1.000
0038	206.2001	Excavation for Structures Culverts (structure) 02. B-70-0099	EACH	1.000	1.000
0042	211.0101	Prepare Foundation for Asphaltic Paving (project) 02. 6180-31-71	EACH	1.000	1.000
0050	213.0100	Finishing Roadway (project) 04. 6180-31-71	EACH	1.000	1.000
0052	305.0110	Base Aggregate Dense 3/4-Inch	TON	2,239.000	2,239.000
0054	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	11,635.000	11,635.000
0056	310.0115	Base Aggregate Open-Graded	CY	2.000	2.000
0058	312.0110	Select Crushed Material	TON	20,991.000	20,991.000
0060	371.2000.S	QMP Base Aggregate Dense 1 1/4-Inch Compaction	EACH	15.000	15.000
0062	390.0100	Removing Pavement for Base Patching	CY	1,734.000	1,734.000
0064	390.0305	Base Patching Concrete HES	CY	1,734.000	1,734.000
0068	405.0100	Coloring Concrete WisDOT Red	CY	392.000	392.000
0070	415.2010	Concrete Truck Apron 12-inch	SY	600.000	600.000
0072	416.0610	Drilled Tie Bars	EACH	2,707.000	2,707.000
0074	416.0620	Drilled Dowel Bars	EACH	7,661.000	7,661.000
0084	455.0605	Tack Coat	GAL	12,810.000	12,810.000
0090	460.2000	Incentive Density HMA Pavement	DOL	5,140.000	5,140.000
0092	460.2005	Incentive Density PWL HMA Pavement	DOL	5,960.000	5,960.000
0094	460.2007	Incentive Density HMA Pavement Longitudinal Joints	DOL	3,630.000	3,630.000
0096	460.2010	Incentive Air Voids HMA Pavement	DOL	10,710.000	10,710.000
0098	460.6224	HMA Pavement 4 MT 58-28 S	TON	10,710.000	10,710.000
0100	460.7223	HMA Pavement 3 HT 58-28 S	TON	6,490.000	6,490.000
0102	460.7424	HMA Pavement 4 HT 58-28 H	TON	1,530.000	1,530.000
0106	465.0120	Asphaltic Surface Driveways and Field Entrances	TON	330.000	330.000
0108	465.0125	Asphaltic Surface Temporary	TON	13.000	13.000
0112	465.0560	Asphaltic Rumble Strips, Centerline	LF	741.000	741.000
0118	520.8000	Concrete Collars for Pipe	EACH	5.000	5.000
0120	521.1018	Apron Endwalls for Culvert Pipe Steel 18-Inch	EACH	17.000	17.000
0122	521.1024	Apron Endwalls for Culvert Pipe Steel 24-Inch	EACH	1.000	1.000
0128	521.1515	Apron Endwalls for Culvert Pipe Sloped Side Drains Steel 15-Inch 6 to 1	EACH	2.000	2.000
0130	521.1518	Apron Endwalls for Culvert Pipe Sloped Side Drains Steel 18-Inch 6 to 1	EACH	10.000	10.000
0132	521.1524	Apron Endwalls for Culvert Pipe Sloped Side Drains Steel 24-Inch 6 to 1	EACH	2.000	2.000
0134	521.3118	Culvert Pipe Corrugated Steel 18-Inch	LF	194.000	194.000
0136	521.3124	Culvert Pipe Corrugated Steel 24-Inch	LF	36.000	36.000
0146	522.1012	Apron Endwalls for Culvert Pipe Reinforced Concrete 12-Inch	EACH	5.000	5.000
0148	522.1015	Apron Endwalls for Culvert Pipe Reinforced Concrete 15-Inch	EACH	1.000	1.000

6180-31-71

Line	Item	Item Description	Unit	Total	Qty
0150	522.1018	Apron Endwalls for Culvert Pipe Reinforced Concrete 18-Inch	EACH	1.000	1.000
0152	522.1024	Apron Endwalls for Culvert Pipe Reinforced Concrete 24-Inch	EACH	3.000	3.000
0158	522.2629	Apron Endwalls for Culvert Pipe Reinforced Concrete Horizontal Elliptical 29x45-Inch	EACH	2.000	2.000
0160	531.2042	Drilling Shaft 42-Inch	LF	54.000	54.000
0162	531.5130	Foundation Single-Shaft Type MC-III (structure) 01. S-70-0390	EACH	1.000	1.000
0164	531.5130	Foundation Single-Shaft Type MC-III (structure) 02. S-70-0391	EACH	1.000	1.000
0166	531.5130	Foundation Single-Shaft Type MC-III (structure) 03. S-70-0392	EACH	1.000	1.000
0168	532.5130	Monotube Cantilever Type III (structure) 01. S-70-0390	EACH	1.000	1.000
0170	532.5130	Monotube Cantilever Type III (structure) 02. S-70-0391	EACH	1.000	1.000
0172	532.5130	Monotube Cantilever Type III (structure) 03. S-70-0392	EACH	1.000	1.000
0174	601.0409	Concrete Curb & Gutter 30-Inch Type A	LF	144.000	144.000
0176	601.0411	Concrete Curb & Gutter 30-Inch Type D	LF	670.000	670.000
0180	601.0555	Concrete Curb & Gutter 6-Inch Sloped 36-Inch Type A	LF	1,385.000	1,385.000
0182	601.0600	Concrete Curb Pedestrian	LF	268.000	268.000
0184	602.0405	Concrete Sidewalk 4-Inch	SF	27,820.000	27,820.000
0186	602.0410	Concrete Sidewalk 5-Inch	SF	10,336.000	10,336.000
0188	602.0415	Concrete Sidewalk 6-Inch	SF	2,484.000	2,484.000
0192	602.0515	Curb Ramp Detectable Warning Field Natural Patina	SF	560.000	560.000
0196	602.0615	Curb Ramp Detectable Warning Field Radial Natural Patina	SF	66.000	66.000
0198	602.0810	Concrete Driveway 6-Inch	SY	80.000	80.000
0204	606.0200	Riprap Medium	CY	27.000	27.000
0208	608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	LF	131.000	131.000
0210	608.0412	Storm Sewer Pipe Reinforced Concrete Class IV 12-Inch	LF	511.000	511.000
0212	608.0415	Storm Sewer Pipe Reinforced Concrete Class IV 15-Inch	LF	24.000	24.000
0216	608.0424	Storm Sewer Pipe Reinforced Concrete Class IV 24-Inch	LF	465.000	465.000
0218	608.0436	Storm Sewer Pipe Reinforced Concrete Class IV 36-Inch	LF	23.000	23.000
0220	608.2429	Storm Sewer Pipe Reinforced Concrete Horizontal Elliptical Class HE-IV 29x45-Inch	LF	138.000	138.000
0222	608.3012	Storm Sewer Pipe Class III-A 12-Inch	LF	84.000	84.000
0224	608.3015	Storm Sewer Pipe Class III-A 15-Inch	LF	146.000	146.000
0226	608.3018	Storm Sewer Pipe Class III-A 18-Inch	LF	67.000	67.000
0228	611.0530	Manhole Covers Type J	EACH	4.000	4.000
0230	611.0612	Inlet Covers Type C	EACH	3.000	3.000
0232	611.0624	Inlet Covers Type H	EACH	9.000	9.000
0234	611.0627	Inlet Covers Type HM	EACH	7.000	7.000
0236	611.0636	Inlet Covers Type HM-S	EACH	3.000	3.000
0238	611.0639	Inlet Covers Type H-S	EACH	4.000	4.000
0242	611.0652	Inlet Covers Type T	EACH	2.000	2.000
0244	611.1005	Catch Basins 5-FT Diameter	EACH	3.000	3.000
0248	611.2003	Manholes 3-FT Diameter	EACH	1.000	1.000
0250	611.2004	Manholes 4-FT Diameter	EACH	3.000	3.000
0254	611.3003	Inlets 3-FT Diameter	EACH	2.000	2.000
0256	611.3004	Inlets 4-FT Diameter	EACH	5.000	5.000
0258	611.3230	Inlets 2x3-FT	EACH	17.000	17.000
0266	612.0106	Pipe Underdrain 6-Inch	LF	50.000	50.000
0270	614.2300	MGS Guardrail 3	LF	913.000	913.000
0272	614.2310	MGS Guardrail 3 HS	LF	141.000	141.000
0276	614.2610	MGS Guardrail Terminal EAT	EACH	4.000	4.000
0278	614.2620	MGS Guardrail Terminal Type 2	EACH	4.000	4.000
0280	614.8010	Anchor Post Assembly Top Mount	EACH	19.000	19.000

6180-31-71

Line	Item	Item Description	Unit	Total	Qty
0288	618.0100	Maintenance and Repair of Haul Roads (project) 04. 6180-31-71	EACH	1.000	1.000
0290	619.1000	Mobilization	EACH	0.250	0.250
0292	620.0300	Concrete Median Sloped Nose	SF	1,030.000	1,030.000
0294	624.0100	Water	MGAL	82.900	82.900
0296	625.0100	Topsoil	SY	35,660.000	35,660.000
0300	627.0200	Mulching	SY	15,955.000	15,955.000
0302	628.1504	Silt Fence	LF	3,655.000	3,655.000
0304	628.1520	Silt Fence Maintenance	LF	3,655.000	3,655.000
0306	628.1905	Mobilizations Erosion Control	EACH	6.000	6.000
0308	628.1910	Mobilizations Emergency Erosion Control	EACH	6.000	6.000
0310	628.2004	Erosion Mat Class I Type B	SY	4,800.000	4,800.000
0314	628.2008	Erosion Mat Urban Class I Type B	SY	14,900.000	14,900.000
0316	628.7005	Inlet Protection Type A	EACH	5.000	5.000
0320	628.7015	Inlet Protection Type C	EACH	28.000	28.000
0322	628.7504	Temporary Ditch Checks	LF	710.000	710.000
0324	628.7555	Culvert Pipe Checks	EACH	61.000	61.000
0326	628.7560	Tracking Pads	EACH	6.000	6.000
0328	628.7570	Rock Bags	EACH	26.000	26.000
0330	629.0210	Fertilizer Type B	CWT	23.600	23.600
0332	630.0110	Seeding Mixture No. 10	LB	165.000	165.000
0334	630.0130	Seeding Mixture No. 30	LB	153.000	153.000
0336	630.0140	Seeding Mixture No. 40	LB	294.000	294.000
0338	630.0200	Seeding Temporary	LB	481.000	481.000
0340	630.0500	Seed Water	MGAL	796.000	796.000
0344	634.0614	Posts Wood 4x6-Inch X 14-FT	EACH	29.000	29.000
0346	634.0616	Posts Wood 4x6-Inch X 16-FT	EACH	10.000	10.000
0348	634.0618	Posts Wood 4x6-Inch X 18-FT	EACH	4.000	4.000
0352	637.0620	Sign Flags Permanent Type II	EACH	2.000	2.000
0354	637.2210	Signs Type II Reflective H	SF	346.720	346.720
0356	637.2230	Signs Type II Reflective F	SF	75.750	75.750
0358	638.2602	Removing Signs Type II	EACH	26.000	26.000
0360	638.3000	Removing Small Sign Supports	EACH	38.000	38.000
0362	642.5401	Field Office Type D	EACH	0.250	0.250
0364	643.0300	Traffic Control Drums	DAY	57,446.000	57,446.000
0366	643.0420	Traffic Control Barricades Type III	DAY	9,761.000	9,761.000
0368	643.0705	Traffic Control Warning Lights Type A	DAY	19,405.000	19,405.000
0370	643.0715	Traffic Control Warning Lights Type C	DAY	5,795.000	5,795.000
0372	643.0810	Traffic Control Connected Arrow Boards	DAY	177.000	177.000
0374	643.0900	Traffic Control Signs	DAY	11,872.000	11,872.000
0376	643.0910	Traffic Control Covering Signs Type I	EACH	1.000	1.000
0382	643.1050	Traffic Control Signs PCMS	DAY	112.000	112.000
0384	643.1220	Traffic Control Connected Work Zone Start and End Location Markers	DAY	177.000	177.000
0386	643.3165	Temporary Marking Line Paint 6-Inch	LF	2,408.000	2,408.000
0388	643.3520	Temporary Marking Arrow Epoxy	EACH	2.000	2.000
0390	643.3805	Temporary Marking Stop Line Paint 18-Inch	LF	36.000	36.000
0392	643.5000	Traffic Control	EACH	0.250	0.250
0400	645.0111	Geotextile Type DF Schedule A	SY	30.000	30.000
0402	645.0120	Geotextile Type HR	SY	47.000	47.000
0404	646.2020	Marking Line Epoxy 6-Inch	LF	3,788.000	3,788.000

6180-31-71

Line	Item	Item Description	Unit	Total	Qty
0406	646.2040	Marking Line Grooved Wet Ref Epoxy 6-Inch	LF	47,289.000	47,289.000
0410	646.4020	Marking Line Epoxy 10-Inch	LF	1,007.000	1,007.000
0412	646.4040	Marking Line Grooved Wet Ref Epoxy 10-Inch	LF	2,859.000	2,859.000
0414	646.5020	Marking Arrow Epoxy	EACH	29.000	29.000
0416	646.5120	Marking Word Epoxy	EACH	10.000	10.000
0418	646.5220	Marking Symbol Epoxy	EACH	1.000	1.000
0420	646.6120	Marking Stop Line Epoxy 18-Inch	LF	339.000	339.000
0422	646.6320	Marking Dotted Extension Epoxy 18-Inch	LF	132.000	132.000
0424	646.7120	Marking Diagonal Epoxy 12-Inch	LF	110.000	110.000
0426	646.7220	Marking Chevron Epoxy 24-Inch	LF	203.000	203.000
0428	646.7420	Marking Crosswalk Epoxy Transverse Line 6-Inch	LF	1,925.000	1,925.000
0430	646.8120	Marking Curb Epoxy	LF	117.000	117.000
0432	646.8220	Marking Island Nose Epoxy	EACH	11.000	11.000
0436	646.9000	Marking Removal Line 4-Inch	LF	60.000	60.000
0438	646.9002	Marking Removal Line 6-Inch	LF	1,386.000	1,386.000
0440	646.9200	Marking Removal Line Wide	LF	24.000	24.000
0442	646.9310	Marking Removal Special Marking Water Blasting	EACH	2.000	2.000
0444	650.4000	Construction Staking Storm Sewer	EACH	47.000	47.000
0446	650.4500	Construction Staking Subgrade	LF	8,300.000	8,300.000
0448	650.5000	Construction Staking Base	LF	8,300.000	8,300.000
0450	650.5500	Construction Staking Curb Gutter and Curb & Gutter	LF	8,074.000	8,074.000
0452	650.6000	Construction Staking Pipe Culverts	EACH	6.000	6.000
0460	650.9000	Construction Staking Curb Ramps	EACH	44.000	44.000
0464	650.9500	Construction Staking Sidewalk (project) 02. 6180-31-71	EACH	1.000	1.000
0472	650.9911	Construction Staking Supplemental Control (project) 04. 6180-31-71	EACH	1.000	1.000
0474	650.9920	Construction Staking Slope Stakes	LF	8,300.000	8,300.000
0476	652.0210	Conduit Rigid Nonmetallic Schedule 40 1-Inch	LF	640.000	640.000
0478	652.0225	Conduit Rigid Nonmetallic Schedule 40 2-Inch	LF	3,240.000	3,240.000
0480	652.0235	Conduit Rigid Nonmetallic Schedule 40 3-Inch	LF	425.000	425.000
0482	652.0615	Conduit Special 3-Inch	LF	1,425.000	1,425.000
0484	652.0800	Conduit Loop Detector	LF	1,816.000	1,816.000
0486	653.0164	Pull Boxes Non-Conductive 24x42-Inch	EACH	42.000	42.000
0488	653.0905	Removing Pull Boxes	EACH	41.000	41.000
0490	654.0101	Concrete Bases Type 1	EACH	17.000	17.000
0492	654.0102	Concrete Bases Type 2	EACH	2.000	2.000
0494	654.0105	Concrete Bases Type 5	EACH	22.000	22.000
0496	654.0217	Concrete Control Cabinet Bases Type 9 Special	EACH	1.000	1.000
0498	654.0220	Concrete Control Cabinet Bases Type 10	EACH	1.000	1.000
0500	655.0230	Cable Traffic Signal 5-14 AWG	LF	6,561.000	6,561.000
0502	655.0240	Cable Traffic Signal 7-14 AWG	LF	1,132.000	1,132.000
0504	655.0260	Cable Traffic Signal 12-14 AWG	LF	1,914.000	1,914.000
0506	655.0305	Cable Type UF 2-12 AWG Grounded	LF	1,939.000	1,939.000
0508	655.0515	Electrical Wire Traffic Signals 10 AWG	LF	3,461.000	3,461.000
0510	655.0610	Electrical Wire Lighting 12 AWG	LF	3,450.000	3,450.000
0512	655.0615	Electrical Wire Lighting 10 AWG	LF	9,299.000	9,299.000
0514	655.0700	Loop Detector Lead In Cable	LF	5,915.000	5,915.000
0516	655.0800	Loop Detector Wire	LF	6,848.000	6,848.000
0518	655.0900	Traffic Signal EVP Detector Cable	LF	379.000	379.000
0524	656.0201	Electrical Service Meter Breaker Pedestal (location) 03. S-70-0645 (STH 21 &	EACH	1.000	1.000

6180-31-71

Line	Item	Item Description	Unit	Total	Qty
		OAKWOOD)			
0526	656.0201	Electrical Service Meter Breaker Pedestal (location) 04. STH 21 & Leonard Point Rd	EACH	1.000	1.000
0528	657.0100	Pedestal Bases	EACH	16.000	16.000
0530	657.0255	Transformer Bases Breakaway 11 1/2-Inch Bolt Circle	EACH	24.000	24.000
0532	657.0310	Poles Type 3	EACH	2.000	2.000
0534	657.0322	Poles Type 5-Aluminum	EACH	22.000	22.000
0536	657.0420	Traffic Signal Standards Aluminum 13-FT	EACH	4.000	4.000
0538	657.0425	Traffic Signal Standards Aluminum 15-FT	EACH	2.000	2.000
0540	657.0430	Traffic Signal Standards Aluminum 10-FT	EACH	10.000	10.000
0542	657.0595	Trombone Arms 25-FT	EACH	2.000	2.000
0544	657.0709	Luminaire Arms Truss Type 4-Inch Clamp 12-FT	EACH	2.000	2.000
0546	657.0710	Luminaire Arms Truss Type 4 1/2-Inch Clamp 12-FT	EACH	22.000	22.000
0548	658.0173	Traffic Signal Face 3S 12-Inch	EACH	8.000	8.000
0550	658.0174	Traffic Signal Face 4S 12-Inch	EACH	2.000	2.000
0552	658.0416	Pedestrian Signal Face 16-Inch	EACH	16.000	16.000
0554	658.0500	Pedestrian Push Buttons	EACH	16.000	16.000
0556	658.5070	Signal Mounting Hardware (location) 01. STH 21 & Oakwood	EACH	1.000	1.000
0558	658.5070	Signal Mounting Hardware (location) 02. STH 21 & Westhaven	EACH	1.000	1.000
0560	659.1120	Luminaires Utility LED B	EACH	24.000	24.000
0562	659.5000.S	Lamp, Ballast, LED, Switch Disposal by Contractor	EACH	34.000	34.000
0564	661.0201	Temporary Traffic Signals for Intersections (location) 01. Leonard Point Road and Omro Road	EACH	2.000	2.000
0566	690.0150	Sawing Asphalt	LF	645.000	645.000
0568	690.0250	Sawing Concrete	LF	23,975.000	23,975.000
0570	740.0440	Incentive IRI Ride	DOL	31,690.000	31,690.000
0576	SPV.0035	Special 01. Foundation Backfill	CY	290.000	290.000
0578	SPV.0060	Special 01. Inlet Cover Special	EACH	1.000	1.000
0580	SPV.0060	Special 02. Inlets 2x2.5-FT Special	EACH	2.000	2.000
0582	SPV.0060	Special 03. Removing Traffic Signals STH 21 & Oakwood	EACH	1.000	1.000
0584	SPV.0060	Special 04. Removing Traffic Signals STH 21 & Westhaven	EACH	1.000	1.000
0590	SPV.0060	Special 07. Temporary Vehicle Detection Leonard Point Rd and Omro Rd	EACH	1.000	1.000
0594	SPV.0085	Special 01. Seeding Low Maintenance Fescue	LB	61.000	61.000
0596	SPV.0090	Special 01. Concrete Joint and Crack Cleaning and Repair	LF	23,234.000	23,234.000
0598	SPV.0090	Special 02. Ditch Regrading	LF	965.000	965.000
0600	SPV.0090	Special 03. Concrete Curb & Gutter 18-Inch, Type A Modified	LF	310.000	310.000
0602	SPV.0090	Special 04. Concrete Curb & Gutter 30-Inch, Type D Modified	LF	1,840.000	1,840.000
0604	SPV.0090	Special 05. Concrete Curb & Gutter 4-Inch Sloped 30-Inch, Type R Modified	LF	404.000	404.000
0606	SPV.0090	Special 06. Concrete Curb & Gutter 4-Inch Sloped 36-Inch, Type D Modified	LF	3,570.000	3,570.000
0608	SPV.0195	Special 01. Excavation, Hauling, and Disposal of Metal Contaminated Soil	TON	2,200.000	2,200.000

CLEARING AND GRUBBING

STATION DIR	LOCATION	201.0105 CLEARING STA	201.0120 CLEARING ID	201.0205 GRUBBING STA	201.0220 GRUBBING ID
CATEGORY 0020					
326+37 RT	STH 21 EB	---	36	---	36
334+24 RT	STH 21 EB	1	---	1	---
PROJECT TOTAL		1	36	1	36

REMOVING SMALL PIPE CULVERTS

STATION	DIR	LOCATION	203.0100 EACH
CATEGORY 0020			
317+47	RT	STH 21 EB	1
318+31	RT	STH 21 EB	1
318+61	LT	STH 21 EB	1
321+52	RT	STH 21 EB	1
323+68	RT	STH 21 EB	1
324+21	LT	STH 21 EB	1
334+50	LT	STH 21 EB	1
727+60	LT	STH 21 WB	1
731+90	LT	STH 21 WB	1
737+50	LT	STH 21 WB	1
914+30	LT/RT	LEONARD POINT RD	1
916+29	LT	LEONARD POINT RD	1
917+10	LT	LEONARD POINT RD	1
		PROJECT TOTAL	13

REMOVING CONCRETE BASES

LOCATION	DESCRIPTION	OFFSET	204.0195 REMOVING CONCRETE BASES EA	COMMENT
PROJECT 6180-31-71				
CATEGORY 0010				
STH 21 & OAKWOOD	S70-0645	---	2	
STH 21 & WESTHAVEN	S70-0909	---	1	
		CATEGORY 0010 TOTAL	3	
CATEGORY 0020				
STH 21 EB	FLASHER BASE	RT	2	SEE TRAWS REMOVAL PLAN FOR LOCATIONS
STH 21 EB	FLASHER BASE	RT	2	
STH 21 EB	FLASHER BASE	LT	2	
RAB CENTER ISLAND	CAMERA POLE BASE	RT	1	
LEONARD PT NB	CONTROLLER BASE	LT	1	
		CATEGORY 0020 TOTAL	8	
		PROJECT TOTAL	11	

REMOVING CONCRETE PAVEMENT

STATION - STATION	LOCATION	204.0100 SY
CATEGORY 0010		
388+00 - 390+50	STH 21 EB	330
414+00 - 416+50	STH 21 EB	460
416+25 - 416+50	WESTHAVEN	60
416+75 - 417+50	WESTHAVEN	70
791+00 - 792+25	STH 21 WB	210
816+75 - 822+50	STH 21 WB	880
	CATEGORY 0010 TOTAL	2,010
CATEGORY 0020		
	STH 21 RAB	11,390
	CATEGORY 0020 TOTAL	11,390
	PROJECT TOTAL	13,400

REMOVING GUARDRAIL

STATION TO STAION	LOCATION	204.0165 LF
CATEGORY 0010		
349+75 - 351+25	STH 21 EB	163
358+43 - 362+05	STH 21 EB	265
752+00 - 755+75	STH 21 WB	265
765+00 - 764+50	STH 21 WB	227
	PROJECT TOTAL	920

REMOVING CURB AND GUTTER

STATION TO STATION	DIR	LOCATION		204.0150 LF
CATEGORY 0010				
388+50 - 390+50	LT	OAKWOOD	MEDIAN	218
391+25 - 793+75	LT	OAKWOOD	MEDIAN	260
390+25 - 390+75	RT	OAKWOOD	SW QUAD	65
391+00 - 391+50	RT	OAKWOOD	SE QUAD	55
790+00 - 790+72	LT	OAKWOOD	NW QUAD	61
791+00 - 791+50	LT	OAKWOOD	NE QUAD	71
414+50 - 416+25	LT	WESTHAVEN	MEDIAN	365
417+00 - 417+75	LT	WESTHAVEN	MEDIAN	104
815+75 - 816+50	LT	WESTHAVEN	NW QUAD	73
816+75 - 815+25	LT	WESTHAVEN	NE QUAD	84
			CATEGORY 0010 TOTAL	1,356
CATEGORY 0020				
813+50 - 815+25	RT	LEONARD POINT RD	EAST	231
815+25 - 816+00	RT	LEONARD POINT RD	EAST	153
913+75 - 914+25	LT	LEONARD POINT RD	MEDIAN	86
913+75 - 914+25	LT	LEONARD POINT RD	NW QUAD	53
			CATEGORY 0020 TOTAL	523
			PROJECT TOTAL	1,879

BUTT JOINTS

LOCATION	204.0105 REMOVING CONCRETE PAVEMENT BUTT JOINTS SY	204.0115 REMOVING ASPHALTIC SURFACE BUTT JOINTS SY
CATEGORY 0010		
CREEKSIDE DR N OF STH 21	402	---
HONEY CREEK RD N OF STH 21	396	---
HONEY CREEK RD S OF STH 21	346	---
OAKWOOD RD N OF STH 21	---	42
OAKWOOD RD S OF STH 21	---	58
WESTHAVEN DR N OF STH 21	---	52
WESTHAVEN DR S OF STH 21	115	---
STA 431+90 EB STH 21	133	33
STA 831+29 WB STH 21	133	33
CATEGORY 0010 TOTAL	1,525	219
CATEGORY 0020		
LEONARD POINT RD	---	71
OMRO RD	---	71
CATEGORY 0020 TOTAL	0	142
PROJECT TOTAL	1,525	361

3

EARTHWORK SUMMARY

LOCATION	STATIONING	205.0100 COMMON EXCAVATION NOTE 1	SALVAGED/ UNUSABLE MATERIAL NOTE 2	AVAILABLE MATERIAL NOTE 3	UNEXPANDED FILL	EXPANDED FILL FACTOR 1.25	MASS ORDINATE +/- NOTE 4	SPV.0035.01 FOUNDATION BACKFILL	COMMENT
PROJECT 6180-31-71									
CATEGORY 0010									
STH 21 EB BEAMGUARD 1	347+50 - 351+31	350	0	350	36	45	305	0	
STH 21 EB BEAMGUARD 2	357+26 - 362+05	0	0	0	28	35	-35	0	
STH 21 WB BEAMGUARD 1	751+25 - 756+15	0	0	0	118	148	-148	0	
STH 21 WB BEAMGUARD 2	760+78 - 765+65	0	0	0	52	65	-65	0	
STH 21 EB AT OAKWOOD	386+39 - 390+46	815	81	734	107	134	600	0	
STH 21 WB AT OAKWOOD	791+22 - 795+15	776	52	724	12	15	709	0	
STH 21 EB AT WESTHAVEN	412+22 - 416+24	812	86	726	58	73	654	0	
STH 21 WB AT WESTHAVEN	817+19 - 822+78	763	174	589	5	6	583	0	
	CATEGORY 0010 SUBTOTALS	3,516	393	3,123	416	520	2,603	0	
CATEGORY 0020									
STH 21 EB DRIVEWAY REMOVAL	317+50 RT	10	0	10	0	0	10	0	EXCAVATE TO 4-INCH DEPTH
STH 21 EB DRIVEWAY REMOVAL	318+27 - 320+32 RT	88	0	88	0	0	88	0	EXCAVATE TO 4-INCH DEPTH
STH 21 EB WEST OF RAB	317+16 - 333+00	7,229	682	6,547	953	1,191	5,356	0	
STH 21 WB WEST OF RAB	725+50 - 733+00	11,119	946	10,173	33	41	10,132	0	
STH 21 EB EAST OF RAB	335+25 - 340+18	850	221	629	1,712	2,140	-1,511	0	
STH 21 WB EAST OF RAB	735+25 - 740+65	3,190	542	2,648	540	675	1,973	0	
LEONARD PT NB SOUTH OF RAB	810+31 - 811+50	1	0	1	1,210	1,513	-1,512	0	
LEONARD PT SB SOUTH OF RAB	910+31 - 911+50	65	0	65	401	501	-436	0	
LEONARD PT NB NORTH OF RAB	814+00 - 817+29	961	0	961	332	415	546	0	
LEONARD PT SB NORTH OF RAB	914+00 - 914+50	236	0	236	53	66	170	0	
OMRO RD	10+50 - 11+40	178	0	178	26	33	146	0	
ROUNDABOUT	20+00 - 24+12	1,100	432	668	5,100	6,375	-5,707	0	CUT AND FILL VOLUMES FROM SURFACE COMPARISON, NOT AVERAGE END AREA CALC
CULVERT PIPE TRANSITION	814+24	166	0	166	0	0	166	290	
CONTAMINATED SOILS	---	0	1,500	0	0	0	-1,500	0	
	CATEGORY 0020 SUBTOTALS	25,192	4,323	22,369	10,360	12,950	7,919	290	
	PROJECT TOTALS	28,708	4,716	25,492	10,776	13,470	10,522	290	

NOTES

1. CUT AREA INCLUDES SALVAGED / UNUSABLE MATERIAL
2. SALVAGED / UNUSABLE MATERIAL DOES NOT APPEAR IN CROSS SECTIONS
3. AVAILABLE MATERIAL = CUT - SALVAGED/UNUSABLE MATERIAL
4. MASS ORDINATE = AVAILABLE MATERIAL - EXPANDED FILL

BASE COURSE

STATION TO 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
CATEGORY 0010					
790+00 - 790+50	OAKWOOD NW QUAD	2	---	---	0.0
781+00 - 791+50	OAKWOOD NE QUAD	4	---	---	0.0
386+47 - 390+50	OAKWOOD W MEDIAN	1	667	971	4.0
390+25 - 390+75	OAKWOOD SW QUAD	4	---	---	0.0
391+00 - 391+50	OAKWOOD SE QUAD	2	---	---	0.0
791+20 - 795+20	OAKWOOD E MEDIAN	1	546	795	3.3
815+75 - 816+50	WESTHAVEN NW QUAD	6	---	---	0.0
816+75 - 817+25	WESTHAVEN NE QUAD	3	---	---	0.0
412+20 - 416+42	WESTHAVEN W MEDIAN	1	689	1,002	4.1
416+00 - 416+25	WESTHAVEN SW QUAD	6	---	---	0.0
416+75 - 417+50	WESTHAVEN SE QUAD	4	---	---	0.0
816+83 - 822+80	WESTHAVEN E MEDIAN	8	852	1,240	5.2
	CATEGORY 0010 TOTAL	42	2,754	4,008	16.6
CATEGORY 0020					
317+59 - 333+09	RAB WEST LEG	1,382	3,926	8,627	31.8
810+51 - 811+75	RAB SOUTH LEG	69	289	771	2.1
813+72 - 814+52	RAB NORTH LEG	85	230	613	1.9
334+98 - 340+57	RAB EAST LEG	571	2,007	4,469	15.5
20+00 - 24+12	RAB	0	939	2,503	5.6
814+52 - 817+34	LEONARD POINT RD	61	1,228	---	7.7
10+27 - 11+40	OMRO RD	29	262	---	1.7
	CATEGORY 0020 TOTAL	2,197	8,881	16,983	66.3
	PROJECT TOTAL	2,239	11,635	20,991	82.9

CONCRETE PAVEMENT

STATION TO STATION	LOCATION	405.0100 * COLORING CONCRETE WISDOT RED CY	415.2010 CONCRETE TRUCK APRON 12-INCH SY
CATEGORY 0020			
317+59 - 333+09	RAB WEST LEG	10	50
334+98 - 340+57	RAB EAST LEG	10	50
	RAB	170	500
	PROJECT TOTAL	190	600

* ADDITIONAL QUANTITIES FOUND IN CONCRETE SIDEWALK TABLE.

CONCRETE BASE PATCHING

LOCATION	416.0610 ** DRILLED TIE BARS EACH	416.0620 ** DRILLED DOWEL BARS EACH	390.0100 REMOVING PAVEMENT FOR BASE PATCHING CY	390.0305 BASE PATCHING CONCRETE HES CY	690.0250 * SAWING CONCRETE LF
CATEGORY 0010					
STH 21 EB	1,345	3,488	843	843	10,288
STH 21 WB	1,233	3,808	808	808	10,573
UNDISTRIBUTED	129	365	83	83	1,043
PROJECT TOTAL	2,707	7,661	1,734	1,734	21,904

* ADDITIONAL QUANTITIES LOCATED IN SAW CUTTING TABLE.
** ADDITIONAL QUANTITIES LOCATED IN TIE BAR & DOWEL BAR TABLE.

ASPHALTIC ITEMS

STATION TO STATION	LOCATION		455.0605 TACK COAT GAL	460.6224 HMA PAVEMENT 4 MT 58-28 S TON	460.7223 HMA PAVEMENT 3 HT 58-28 S TON	460.7424 HMA PAVEMENT 4 HT 58-28 H TON
CATEGORY 0010						
340+18 - 355+25	STH 21 EB	LT SHOULDER	70	70	0	0
		LT LANE	280	290	0	0
		RT LANE	280	290	0	0
		RT SHOULDER	70	70	0	0
355+25 - 359+03	STH 21 EB	LT TURN LANE	110	120	0	0
		LT LANE	70	70	0	0
		RT LANE	70	70	0	0
		RT SHOULDER	20	20	0	0
359+03 - 369+69	STH 21 EB	LT SHOULDER	50	50	0	0
		LT LANE	200	200	0	0
		RT LANE	200	200	0	0
		RT SHOULDER	50	50	0	0
369+69 - 373+80	STH 21 EB	LT TURN LANE	60	60	0	0
		LT LANE	80	80	0	0
		RT LANE	80	80	0	0
		RT TURN LANE	90	100	0	0
373+80 - 386+00	STH 21 EB	LT TURN LANE	60	60	0	0
		LT LANE	230	230	0	0
		RT LANE	230	230	0	0
		RT TURN LANE	60	60	0	0
386+00 - 393+05	STH 21 EB	LT TURN LANE	80	200	0	0
		LT LANE	130	140	0	0
		RT LANE	130	140	0	0
		RT TURN LANE	150	150	0	0
		INTERSECTION	40	40	0	0
393+05 - 410+87	STH 21 EB	LT SHOULDER	80	90	0	0
		LT LANE	330	340	0	0
		RT LANE	330	340	0	0
		RT SHOULDER	80	90	0	0
410+87 - 419+30	STH 21 EB	LT TURN LANE	80	220	0	0
		LT LANE	160	160	0	0
		RT LANE	160	160	0	0
		RT TURN LANE	230	230	0	0
		INTERSECTION	80	80	0	0
419+30 - 430+90	STH 21 EB	LT SHOULDER	50	60	0	0
		LT LANE	220	220	0	0
		RT LANE	220	220	0	0
		RT SHOULDER	50	60	0	0
CATEGORY 0010 SUBTOTAL			4,960	5,340	0	0

ASPHALTIC ITEMS - CONTINUED

STATION TO STATION	LOCATION		455.0605 TACK COAT GAL	460.6224 HMA PAVEMENT 4 MT 58-28 S TON	460.7223 HMA PAVEMENT 3 HT 58-28 S TON	460.7424 HMA PAVEMENT 4 HT 58-28 H TON
CATEGORY 0010						
740+67 - 756+78	STH 21 WB	LT SHOULDER	80	80	0	0
		LT LANE	300	310	0	0
		RT LANE	300	310	0	0
		RT SHOULDER	80	80	0	0
756+78 - 760+71	STH 21 WB	LT TURN LANE	90	100	0	0
		LT LANE	70	80	0	0
		RT LANE	70	80	0	0
		RT TURN LANE	60	60	0	0
760+71 - 771+00	STH 21 WB	LT SHOULDER	80	80	0	0
		LT LANE	190	200	0	0
		RT LANE	190	200	0	0
		RT SHOULDER	50	50	0	0
771+00 - 775+08	STH 21 WB	LT TURN LANE	90	90	0	0
		LT LANE	80	80	0	0
		RT LANE	80	80	0	0
		RT TURN LANE	70	70	0	0
775+08 - 789+34	STH 21 WB	LT TURN LANE	70	70	0	0
		LT LANE	270	270	0	0
		RT LANE	270	270	0	0
		RT SHOULDER	60	60	0	0
789+34 - 795+77	STH 21 WB	LT TURN LANE	150	150	0	0
		LT LANE	120	120	0	0
		RT LANE	120	120	0	0
		RT TURN LANE	80	220	0	0
795+77 - 815+20	STH 21 WB	LT SHOULDER	90	90	0	0
		LT LANE	360	370	0	0
		RT LANE	360	370	0	0
		RT SHOULDER	80	80	0	0
815+20 - 819+35	STH 21 WB	LT TURN LANE	130	130	0	0
		LT LANE	80	80	0	0
		RT LANE	80	80	0	0
		RT TURN LANE	140	380	0	0
819+35 - 831+29	STH 21 WB	LT SHOULDER	60	60	0	0
		LT LANE	220	230	0	0
		RT LANE	220	230	0	0
		RT SHOULDER	40	40	0	0
CATEGORY 0010 SUBTOTAL			4,880	5,370	0	0
CATEGORY 0010 TOTAL			9,840	10,710	0	0

ASPHALTIC ITEMS - CONTINUED

STATION TO STATION	LOCATION	455.0605 TACK COAT GAL	460.6224 HMA PAVEMENT 4 MT 58-28 S TON	460.7223 HMA PAVEMENT 3 HT 58-28 S TON	460.7424 HMA PAVEMENT 4 HT 58-28 H TON
CATEGORY 0020					
317+59 - 333+09	STH 21 RAB WEST LEG	1,450	0	3,170	690
810+31 - 811+75	STH 21 RAB SOUTH LEG	110	0	240	50
813+72 - 814+58	STH 21 RAB NORTH LEG	80	0	180	40
334+98 - 340+57	STH 21 RAB EAST LEG	750	0	1,640	360
	RAB	450	0	980	220
814+58 - 817+29	LEONARD POINT RD	110	0	240	150
10+73 - 11+40	OMRO RD	20	0	40	20
CATEGORY 0020 TOTAL		2,970	0	6,490	1,530
PROJECT TOTAL		12,810	10,710	6,490	1,530

ASPHALTIC SURFACE TEMPORARY

STATION TO STATION	LOCATION	465.0125 ASPHALTIC SURFACE TEMPORARY TON
CATEGORY 0020		
818+16 - 817+33	LEONARD POINT ROAD	13

ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES

STATION TO STATION	LOCATION	465.0120 TON
CATEGORY 0020		
323+41 - 323+99	STH 21	90
327+33 - 327+90	STH 21	240
	PROJECT TOTALS	330

ASPHALTIC RUMBLE STRIPS

STATION TO STATION	ROADWAY	465.0560 CENTERLINE LF	REMARKS
PROJECT 6180-31-71			
CATEGORY 0020			
317+59 - 325+00	STH 21	741	
	TOTAL 0020	741	
	PROJECT TOTAL	741	

3

HMA MIXTURE ACCEPTANCE

STATION RANGE	ROADWAY	LOCATION	MIXTURE USE	UNDERLAYING SURFACE	BID ITEM	THICKNESS (IN)	TONNAGE	QMP TO BE USED FOR: MIXTURE ACCEPTANCE	QMP TO BE USED FOR: DENSITY ACCEPTANCE	REMARKS
PROJECT 6180-31-71 CATEGORY 0010										
430+90 - 340+18	STH 21 EB	LT/RT SHOULDERS	LEVELING	CONCRETE	4 MT 28-28 S	0.75	168	PWL INCENTIVE AIR VOIDS HMA PAVEMENT 460.2010	DEPARTMENT ACCEPTANCE (SS 460.3.3.2) NOT ELIGIBLE FOR INCENTIVE	SHOULDER PAVED WITH DRIVING LANES
			UPPER	4 MT 28-28 S	4 MT 28-28 S	1.75	392			
		DRIVING LANES	LEVELING	CONCRETE	4 MT 28-28 S	0.75	1,038		DEPARTMENT ACCEPTANCE (SS 460.3.3.2) NOT ELIGIBLE FOR INCENTIVE	
			UPPER	4 MT 28-28 S	4 MT 28-28 S	1.75	2,422		INCENTIVE DENSITY PWL HMA PAVEMENT (460.2005)	
		LT/RT TURN LANES OVERLAY	LEVELING	CONCRETE	4 MT 28-28 S	0.75	234		DEPARTMENT ACCEPTANCE (SS 460.3.3.2) NOT ELIGIBLE FOR INCENTIVE	
			UPPER	4 MT 28-28 S	4 MT 28-28 S	1.75	546		DEPARTMENT ACCEPTANCE (SS 460.3.3.2) NOT ELIGIBLE FOR INCENTIVE	
		LT/RT TURN LANES RECONSTRUCTION	LOWER	BASE	4 MT 28-28 S	2.00	129		DEPARTMENT ACCEPTANCE (SS 460.3.3.2) NOT ELIGIBLE FOR INCENTIVE	
			LOWER	4 MT 28-28 S	4 MT 28-28 S	2.00	129			
			UPPER	4 MT 28-28 S	4 MT 28-28 S	2.50	162			
		INTERSECTION AREAS	LEVELING	CONCRETE	4 MT 28-28 S	0.75	36		DEPARTMENT ACCEPTANCE (SS 460.3.3.2) NOT ELIGIBLE FOR INCENTIVE	
			UPPER	4 MT 28-28 S	4 MT 28-28 S	1.75	84		INCENTIVE DENSITY PWL HMA PAVEMENT (460.2005)	
740+67 - 831+29	STH 21 WB	LT/RT SHOULDERS	LEVELING	CONCRETE	4 MT 28-28 S	0.75	186	PWL INCENTIVE AIR VOIDS HMA PAVEMENT 460.2010	DEPARTMENT ACCEPTANCE (SS 460.3.3.2) NOT ELIGIBLE FOR INCENTIVE	SHOULDER PAVED WITH DRIVING LANES
			UPPER	4 MT 28-28 S	4 MT 28-28 S	1.75	434			
		DRIVING LANES	LEVELING	CONCRETE	4 MT 28-28 S	0.75	1,044		DEPARTMENT ACCEPTANCE (SS 460.3.3.2) NOT ELIGIBLE FOR INCENTIVE	
			UPPER	4 MT 28-28 S	4 MT 28-28 S	1.75	2,436		INCENTIVE DENSITY PWL HMA PAVEMENT (460.2005)	
		LT/RT TURN LANES OVERLAY	LEVELING	CONCRETE	4 MT 28-28 S	0.75	201		DEPARTMENT ACCEPTANCE (SS 460.3.3.2) NOT ELIGIBLE FOR INCENTIVE	
			UPPER	4 MT 28-28 S	4 MT 28-28 S	1.75	469		DEPARTMENT ACCEPTANCE (SS 460.3.3.2) NOT ELIGIBLE FOR INCENTIVE	
		LT/RT TURN LANES RECONSTRUCTION	LOWER	BASE	4 MT 28-28 S	2.00	185		DEPARTMENT ACCEPTANCE (SS 460.3.3.2) NOT ELIGIBLE FOR INCENTIVE	
			LOWER	4 MT 28-28 S	4 MT 28-28 S	2.00	185			
			UPPER	4 MT 28-28 S	4 MT 28-28 S	2.50	231			
CATEGORY 0020										
RAB AND LEGS			LOWER	BASE	3 HT 58-28 S	4.00	3,105	QMP (SS 460.2.8)	INCENTIVE DENSITY HMA PAVEMENT (460.2000)	
			LOWER	3 HT 58-28 S	3 HT 58-28 S	4.00	3,105			
			UPPER	3 HT 58-28 S	4 HT 58-28 S	1.75	1,360			
814+52	- 817+34	LEONARD POINT RD	LOWER	BASE	3 HT 58-28 S	2.75	240			
			UPPER	3 HT 58-28 S	4 HT 58-28 S	1.75	150			
10+27	- 11+40	OMRO RD	LOWER	BASE	3 HT 58-28 S	2.75	40			
			UPPER	3 HT 58-28 S	4 HT 58-28 S	1.75	20			

3

CONCRETE DRIVEWAYS

STATION TO STATION	LOCATION	602.0810 6-INCH SY
CATEGORY 0020		
816+00 - 816+50	LEONARD POINT RD	80
	PROJECT TOTALS	80

CONCRETE CURB AND GUTTER

STATION TO STATION	LOCATION	SPV.0090.03 CONCRETE CURB & GUTTER 18-INCH TYPE A MODIFIED LF	601.0409 30-INCH TYPE A LF	601.0411 30-INCH TYPE D LF	SPV.0090.04 CONCRETE CURB & GUTTER 30-INCH TYPE D MODIFIED LF	601.0555 6-INCH SLOPED 36-INCH TYPE A LF	SPV.0090.06 CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE D MODIFIED LF	SPV.0090.05 CONCRETE CURB & GUTTER 4-INCH SLOPED 30-INCH TYPE R MODIFIED LF
CATEGORY 0010								
790+00 - 790+50	OAKWOOD NW QUAD	---	---	---	---	---	62	---
781+00 - 791+50	OAKWOOD NE QUAD	---	---	---	---	---	72	---
386+47 - 390+50	OAKWOOD W MEDIAN	---	---	---	---	434	442	---
390+25 - 390+75	OAKWOOD SW QUAD	---	---	---	---	---	62	---
391+00 - 391+50	OAKWOOD SE QUAD	---	---	---	---	---	56	---
791+20 - 795+20	OAKWOOD E MEDIAN	---	---	---	---	434	434	---
815+75 - 816+50	WESTHAVEN NW QUAD	---	---	---	---	---	74	---
816+75 - 817+25	WESTHAVEN NE QUAD	---	---	---	---	---	84	---
412+20 - 416+42	WESTHAVEN W MEDIAN	---	---	---	---	230	220	---
416+00 - 416+25	WESTHAVEN SW QUAD	---	72	---	---	---	---	---
416+75 - 417+50	WESTHAVEN SE QUAD	---	72	---	---	---	---	---
816+83 - 822+80	WESTHAVEN E MEDIAN	---	---	---	---	287	310	---
	CATEGORY 0010 TOTAL	0	144	0	0	1,385	1,816	0
CATEGORY 0020								
317+59 - 333+09	WEST LEG RAB	---	---	---	545	---	903	---
810+51 - 811+75	SOUTH LEG RAB	---	---	140	410	---	---	---
913+72 - 814+52	NORTH LEG RAB	---	---	530	420	---	---	---
334+98 - 340+57	EAST LEG RAB	---	---	---	465	---	851	---
	RAB	310	---	---	---	---	---	404
	CATEGORY 0020 TOTAL	310	0	670	1,840	0	1,754	404
	PROJECT TOTAL	310	144	670	1,840	1,385	3,570	404

3

CONCRETE SIDEWALK

STATION TO STATION	DIR	LOCATION	405.0100 * COLORING CONCRETE WISDOT RED CY	601.0600 CONCRETE CURB PEDESTRIAN LF	602.0405 CONCRETE SIDEWALK 4-INCH SF	602.0410 CONCRETE SIDEWALK 5-INCH SF	602.0415 CONCRETE SIDEWALK 6-INCH SF
CATEGORY 0010							
790+00 - 790+50		OAKWOOD NW QUAD	---	---	26	---	74
781+00 - 791+50		OAKWOOD NE QUAD	---	---	104	---	68
386+47 - 390+50		OAKWOOD W MEDIAN	---	12	1,884	---	32
390+25 - 390+75		OAKWOOD SW QUAD	---	---	102	---	72
391+00 - 391+50		OAKWOOD SE QUAD	---	---	26	---	66
791+20 - 795+20		OAKWOOD E MEDIAN	---	12	1,574	---	30
815+75 - 816+50		WESTHAVEN NW QUAD	---	---	186	---	60
816+75 - 817+25		WESTHAVEN NE QUAD	---	---	26	---	82
412+20 - 416+42		WESTHAVEN W MEDIAN	---	12	3,748	---	30
416+00 - 416+25		WESTHAVEN SW QUAD	---	---	172	---	92
416+75 - 417+50		WESTHAVEN SE QUAD	---	---	70	---	78
816+83 - 822+80		WESTHAVEN E MEDIAN	---	14	1,892	---	34
		CATEGORY 0010 TOTAL	0	50	9,810	0	718
CATEGORY 0020							
317+59 - 333+09		WEST SPLITTER ISLAND	93	52	7,526	---	256
810+51 - 811+75		SOUTH SPLITTER ISLAND	18	76	1,484	---	376
913+72 - 814+52		NORTH SPLITTER ISLAND	15	56	1,204	---	282
334+98 - 340+57		EAST SPLITTER ISLAND	76	34	6,160	---	166
		NW QUAD RAB	---	---	---	2,536	120
		SW QUAD RAB	---	---	---	2,002	60
		NE QUAD RAB	---	---	---	2,522	60
		SE QUAD RAB	---	---	---	1,698	120
814+52 - 817+34		LEONARD POINT RD	---	---	552	1,578	46
10+27 - 11+40		OMRO RD	---	---	1,084	---	280
-		CATEGORY 0020 TOTAL	202	218	18,010	10,336	1,766
		PROJECT TOTALS	202	268	27,820	10,336	2,484

* ADDITIONAL QUANTITIES FOUND IN CONCRETE PAVEMENT TABLE

CURB RAMP DECTABLE WARNING FIELD

STATION TO STATION	LOCATION	602.0515 NATURAL PATINA SF	602.0615 RADIAL NATURAL PATINA SF	RADIAL LAYOUT COMMENT BACK OF CURB RADIUS LF	LANDING LENGTH LF	RADIAL LONG CURVE LF
CATEGORY 0010						
790+00 - 790+50	OAKWOOD NW QUAD	20	---	---	---	---
781+00 - 791+50	OAKWOOD NE QUAD	20	---	---	---	---
386+47 - 390+50	OAKWOOD W MEDIAN	20	---	---	---	---
390+25 - 390+75	OAKWOOD SW QUAD	20	---	---	---	---
391+00 - 391+50	OAKWOOD SE QUAD	20	---	---	---	---
791+20 - 795+20	OAKWOOD E MEDIAN	20	---	---	---	---
815+75 - 816+50	WESTHAVEN NW QUAD	20	---	---	---	---
816+75 - 817+25	WESTHAVEN NE QUAD	20	---	---	---	---
416+00 - 416+25	WESTHAVEN SW QUAD	20	---	---	---	---
416+75 - 417+50	WESTHAVEN SE QUAD	20	---	---	---	---
816+83 - 822+80	WESTHAVEN E MEDIAN	20	---	---	---	---
	CATEGORY 0010 TOTAL	220	0			
CATEGORY 0020						
317+59 - 333+09	WEST SPLITTER ISLAND	40	---		---	---
810+51 - 811+75	SOUTH SPLITTER ISLAND	40	---	---	---	---
913+72 - 814+52	NORTH SPLITTER ISLAND	40	---	---	---	---
334+98 - 340+57	EAST SPLITTER ISLAND	40	---	---	---	---
	NW QUAD RAB	40	---	---	---	---
	SW QUAD RAB	40	---	---	---	---
	NE QUAD RAB	40	---	---	---	---
	SE QUAD RAB	40	---	---	---	---
	OMRO RD SE QUAD	---	33	42.5	16.0	15.7
	OMRO RD NE QUAD	10	33	42.5	16.7	15.7
	OMRO RD NW QUAD	10	---	---	---	---
	CATEGORY 0020 TOTAL	340	66			
	PROJECT TOTALS	560	66			

3

CULVERTS AND ENDWALLS

START STA	OFFSET	END STA	OFFSET		521.3118 CULVERT PIPE CORRUGATED STEEL 18-INCH LF	521.3124 CULVERT PIPE CORRUGATED STEEL 24-INCH LF	521.1024 APRON ENDWALLS FOR CULVERT PIPE STEEL 24-INCH EACH	521.1518 APRON ENDWALLS FOR CULVERT PIPE SLOPED SIDE DRAINS STEEL 18- INCH 6 TO 1 EACH	521.1524 APRON ENDWALLS FOR CULVERT PIPE SLOPED SIDE DRAINS STEEL 24- INCH 6 TO 1 EACH	MINIMUM THICKNESS INCH	INVERT	INVERT	SLOPE
CATEGORY 0010													
816+06.56	75.00' LT	816+12.56	75.00' LT	STH 21 EB	---	6	1	---	---	0.064	765.59	765.58	0.0013
CATEGORY 0010 TOTAL					0	6	1	0	0				
CATEGORY 0020													
318+45.65	36.00' LT	318+75.66	36.00' LT	STH 21 EB	---	30	---	---	2	0.064	809.60	809.51	0.0030
318+16.41	36.35' RT	318+46.40	36.63' RT	STH 21 EB	30	---	---	2	---	0.064	810.50	809.90	0.0200
320+12.35	34.92' RT	320+48.78	34.91' RT	STH 21 EB	36	---	---	2	---	0.064	806.70	806.10	0.0167
323+51.96	33.95' RT	323+92.42	33.91' RT	STH 21 EB	40	---	---	2	---	0.064	800.80	800.20	0.0150
323+99.89	38.29' LT	324+39.39	38.31' LT	STH 21 EB	40	---	---	2	---	0.064	801.30	800.70	0.0150
727+41.19	43.73' LT	272+90.04	45.00' LT	STH 21 WB	48	---	---	2	---	0.064	793.30	792.30	0.0208
CATEGORY 0020 TOTAL					194	30	0	10	2				
TOTAL					194	36	1	10	2				

PIPE UNDERDRAIN

STATION	LOCATION	OFFSET	DIR	S.S STR #	310.0115 BASE AGGREGATE OPEN-GRADED CY	645.0111 GEOTEXTILE TYPE DF SCHEDULE A SY	612.0106 PIPE UNDERDRAIN 6-INCH LF	NOTES
CATEGORY 0020								
732+17	STH 21 WB Lane	25.6	LT	2.2	0.8	12	20	10' Section to East & West
22+40	STH 21 RAB	1.7	LT	4.2/3	0.8	12	20	10' Section to North & South
914+92	Leonard Point Road	24.0'	LT	7.2	0.4	6	10	10' Section to South
	PROJECT TOTALS				2.0	30	50	

STORM SEWER ENDWALLS

STRUCTURE	STA	OFF	LOCATION	521.1018 APRON ENDWALLS FOR CULVERT PIPE STEEL 18-INCH EACH	521.1515 APRON ENDWALLS FOR CULVERT PIPE SLOPED SIDE DRAINS STEEL 15- INCH 6 TO 1 EACH	522.1012 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 12-INCH EACH	522.1015 15-INCH EACH	522.1018 18-INCH EACH	522.1024 24-INCH EACH	522.2629 29X45-INCH EACH	650.4000 CONSTRUCTION STAKING STORM SEWER EACH ***
CATEGORY 0010											
AEW 10.3	387+20.00	18.74' LT	STH 21 EB	---	1	---	---	---	---	---	1
AEW 13.3	412+92.76	18.05' LT	STH 21 EB	---	1	---	---	---	---	---	1
AEW 15.1	416+23.78	99.40' LT	STH 21 EB	---	---	1	---	---	---	---	1
EXISTING	748+06.81	58.47' LT	STH 21 WB	1	---	---	---	---	---	---	---
EXISTING	748+07.73	13.45' RT	STH 21 WB	1	---	---	---	---	---	---	---
EXISTING	756+48.46	9.47' RT	STH 21 WB	1	---	---	---	---	---	---	---
EXISTING	756+47.16	42.22' LT	STH 21 WB	1	---	---	---	---	---	---	---
EXISTING	766+33.63	8.27' RT	STH 21 WB	1	---	---	---	---	---	---	---
EXISTING	766+31.88	41.50' LT	STH 21 WB	1	---	---	---	---	---	---	---
EXISTING	773+01.13	51.50' LT	STH 21 WB	1	---	---	---	---	---	---	---
EXISTING	775+30.05	11.25' RT	STH 21 WB	1	---	---	---	---	---	---	---
EXISTING	775+28.54	49.59' LT	STH 21 WB	1	---	---	---	---	---	---	---
EXISTING	805+50.00	10.00' RT	STH 21 WB	1	---	---	---	---	---	---	---
EXISTING	805+50.00	40.64' LT	STH 21 WB	1	---	---	---	---	---	---	---
EXISTING	787+78.54	49.59' LT	STH 21 WB	1	---	---	---	---	---	---	---
EXISTING	813+52.14	53.51' LT	STH 21 WB	1	---	---	---	---	---	---	---
EXISTING	795+30.54	38.90' LT	STH 21 WB	1	---	---	---	---	---	---	---
EXISTING	795+31.22	7.90' RT	STH 21 WB	1	---	---	---	---	---	---	---
EXISTING	825+00.80	45.03' LT	STH 21 WB	1	---	---	---	---	---	---	---
EXISTING	825+00.54	11.81' RT	STH 21 WB	1	---	---	---	---	---	---	---
CATEGORY 0010 TOTAL				17	2	1	0	0	0	0	3
CATEGORY 0020											
AEW 1.1	331+92.71	49.97' RT	STH 21 EB	---	---	---	1	---	---	---	1
AEW A1.7	816+60.00	22.28' RT	LEONARD PT RD NB	---	---	---	---	1	---	---	1
AEW 2.1	732+16.75	59.11' LT	STH 21 WB	---	---	1	---	---	---	---	1
AEW 3.1	21+82.12	102.60' RT	STH 21 RA	---	---	---	---	---	1	---	1
AEW 3.3	911+77.01	54.29' LT	LEONARD PT RD SB	---	---	---	---	---	1	---	1
AEW 4.1	22+76.23	121.18' RT	STH 21 RA	---	---	1	---	---	---	---	1
AEW 6.1	813+97.55	55.32' RT	LEONARD PT RD NB	---	---	---	---	---	---	1	1
AEW 6.2	914+29.81	58.87' LT	LEONARD PT RD SB	---	---	---	---	---	---	1	1
AEW 7.1	914+92.00	55.44' LT	LEONARD PT RD SB	---	---	---	---	---	1	---	1
AEW 8.1	738+67.00	65.27' LT	STH 21 WB	---	---	1	---	---	---	---	1
AEW 9.1	814+13.52	58.00' RT	LEONARD PT RD NB	---	---	1	---	---	---	---	1
CATEGORY 0020 TOTAL				0	0	4	1	1	3	2	11
PROJECT TOTAL				17	2	5	1	1	3	2	14

*** ADDITIONAL QUANTITIES SHOWN ELESEWHERE

STORM SEWER PIPES

FROM	-	TO	LOCATION	608.0318 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 18-INCH LF	608.0412 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 12-INCH LF	608.0415 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 15-INCH LF	608.0424 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 24-INCH LF	608.0436 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 36-INCH LF	608.2429 PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL CLASS HE-IV 29X45-INCH LF	608.3012 STORM SEWER PIPE CLASS III-A 12-INCH LF	608.3015 STORM SEWER PIPE CLASS III-A 15-INCH LF	608.3018 STORM SEWER PIPE CLASS III-A 18-INCH LF
CATEGORY 0010												
AEW 10.3	-	MH 10.2	STH 21 EB	---	---	---	---	---	---	---	63	---
INL 11.8	-	CC 11.6	STH 21 EB	---	17	---	---	---	---	---	---	---
CC 11.5	-	INL 11.4	STH 21 EB	---	---	---	---	8	---	---	---	---
INL 11.4	-	INL 11.3	STH 21 EB	---	---	---	---	7	---	---	---	---
INL 11.3	-	CC 11.2	STH 21 WB	---	---	---	---	8	---	---	---	---
INL 12.3	-	MH 12.2	STH 21 WB	---	25	---	---	---	---	---	---	---
INL 12.4	-	MH 12.2	STH 21 WB	---	19	---	---	---	---	---	---	---
AEW 13.3	-	MH 13.2	STH 21 EB	---	---	---	---	---	---	---	83	---
INL 15.6	-	INL 15.5	STH 21 EB	---	26	---	---	---	---	---	---	---
INL 15.5	-	INL 15.4	STH 21 EB	---	7	---	---	---	---	---	---	---
INL 15.4	-	INL 15.3	STH 21 EB	---	31	---	---	---	---	---	---	---
CC 15.2	-	AEW 15.1	STH 21 WB	---	4	---	---	---	---	---	---	---
CATEGORY 0010 TOTAL				0	129	0	0	23	0	0	146	0
CATEGORY 0020												
INL 1.2	-	AEW 1.1	STH 21 EB	---	---	24	---	---	---	---	---	---
INL 1.3	-	INL 1.2	STH 21 EB	---	31	---	---	---	---	---	---	---
INL 1.4	-	INL 1.3	STH 21 EB	---	32	---	---	---	---	---	---	---
INL 2.2	-	AEW 2.1	STH 21 WB	---	33	---	---	---	---	---	---	---
MH 3.2	-	AEW 3.1	LEONARD PT RD NB	---	---	---	106	---	---	---	---	---
INL 3.4	-	MH 3.2	LEONARD PT RD NB	---	40	---	---	---	---	---	---	---
AEW 3.3	-	MH 3.2	LEONARD PT RD NB	---	---	---	89	---	---	---	---	---
INL 3.5	-	INL 3.4	LEONARD PT RD NB	---	9	---	---	---	---	---	---	---
INL 4.2	-	AEW 4.1	STH 21 RA	---	129	---	---	---	---	---	---	---
INL 4.3	-	INL 4.2	STH 21 RA	---	10	---	---	---	---	---	---	---
AEW 6.2	-	AEW 6.1	LEONARD PT RD NB	---	---	---	---	---	138	---	---	---
INL 7.4	-	INL 7.3	LEONARD PT RD NB	---	---	---	147	---	---	---	---	---
INL 7.3	-	INL 7.2	LEONARD PT RD NB	---	---	---	92	---	---	---	---	---
AEW 7.1	-	INL 7.2	LEONARD PT RD NB	---	---	---	31	---	---	---	---	---
INL 8.2	-	AEW 8.1	STH 21 WB	---	68	---	---	---	---	---	---	---
INL 8.3	-	INL 8.2	STH 21 WB	---	---	---	---	---	---	36	---	---
INL 9.2	-	AEW 9.1	LEONARD PT RD NB	---	---	---	---	---	---	48	---	---
INL 9.3	-	INL 9.2	LEONARD PT RD NB	---	22	---	---	---	---	---	---	---
INL 9.4	-	INL 9.3	LEONARD PT RD NB	---	8	---	---	---	---	---	---	---
INL A1.2	-	EX MH A1	OMRO RD	23	---	---	---	---	---	---	---	---
INL A1.2	-	INL A1.4	OMRO RD	---	---	---	---	---	---	---	---	67
INL A1.4	-	MH A1.5	LEONARD PT RD NB	12	---	---	---	---	---	---	---	---
MH A1.6	-	MH A1.5	LEONARD PT RD NB	80	---	---	---	---	---	---	---	---
AEW A1.7	-	MH A1.6	LEONARD PT RD NB	16	---	---	---	---	---	---	---	---
CATEGORY 0020 TOTAL				131	382	24	465	0	138	84	0	67
PROJECT TOTAL				131	511	24	465	23	138	84	146	67

STRUCTURES

STRUCTURE	STA	OFF	LOCATION	520.8000 CONCRETE COLLARS FOR PIPE EACH	611.0530 MANHOLE COVERS TYPE J EACH	611.0612 INLET COVERS TYPE C EACH	611.0624 INLET COVERS TYPE H EACH	611.0627 INLET COVERS TYPE HM EACH	611.0636 INLET COVERS TYPE HM-S EACH	611.0639 INLET COVERS TYPE H-S EACH	611.0652 INLET COVERS TYPE T EACH	SPV.0060.01 INLET COVER SPECIAL EACH	611.1005 CATCH BASINS 5-FT DIAMETER EACH	611.2003 MANHOLES 3-FT DIAMETER EACH	611.2004 MANHOLES 4-FT DIAMETER EACH	611.3003 INLETS 3-FT DIAMETER EACH	611.3004 INLETS 4-FT DIAMETER EACH	SPV.0060.02 INLETS 2X2.5-FT SPECIAL EACH	611.3230 INLETS 2X3-FT EACH	650.4000 CONST. STAKING STORM SEWER EACH ***
CATEGORY 0010																				
INL 11.3	390+14.45	32.12' LT	STH 21 EB	---	---	---	---	1	---	---	---	---	1	---	---	---	---	---	---	1
INL 11.4	390+14.49	24.89' LT	STH 21 EB	---	---	---	---	1	---	---	---	---	1	---	---	---	---	---	---	1
INL 11.8	390+31.21	1.50' LT	STH 21 EB	---	---	---	---	1	---	---	---	---	---	---	---	---	---	---	1	1
INL 12.3	392+00.00	1.50' LT	STH 21 EB	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	1	1
INL 12.4	392+28.07	12.99' LT	STH 21 EB	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	1	1
INL 15.4	416+04.46	31.54' LT	STH 21 EB	---	---	---	---	1	---	---	---	---	---	---	---	---	---	---	1	1
INL 15.5	416+05.27	25.06' LT	STH 21 EB	---	---	---	---	1	---	---	---	---	---	---	---	---	---	---	1	1
INL 15.6	416+16.59	1.50' LT	STH 21 EB	---	---	---	---	1	---	---	---	---	---	---	---	---	---	---	1	1
MH 10.2	387+83.21	20.79' LT	STH 21 EB	---	---	1	---	---	---	---	---	---	---	---	---	1	---	---	---	1
MH 12.2	392+11.98	23.27' LT	STH 21 EB	---	---	1	---	---	---	---	---	---	---	---	---	---	1	---	---	1
MH 13.2	413+75.25	21.19' LT	STH 21 EB	---	---	1	---	---	---	---	---	---	---	---	---	1	---	---	---	1
MH 15.3	416+35.08	29.29' LT	STH 21 EB	---	1	---	---	---	---	---	---	---	---	1	---	---	---	---	---	1
CC 11.2	390+14.39	40.12' LT	STH 21 EB	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
CC 11.5	390+51.16	16.89' LT	STH 21 EB	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
CC 11.6	390+14.65	1.36' LT	STH 21 EB	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
CC 15.2	416+24.42	95.46' LT	STH 21 EB	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
CC 20.2	416+36.11	108.35' LT	STH 21 EB	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
CATEGORY 0010 TOTAL				5	1	3	0	6	2	0	0	0	2	1	0	2	1	0	6	12
CATEGORY 0020																				
INL 1.2	331+98.11	27.00' RT	STH 21 EB	---	---	---	1	---	---	---	---	---	---	---	---	---	---	---	1	1
INL A1.2	10+62.83	17.50' LT	OMRO RD	---	---	---	1	---	---	---	---	---	---	---	---	---	---	1	---	1
INL 1.3	331+87.50	1.50' LT	STH 21 EB	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	1	1
INL 1.4	732+11.40	1.50' RT	STH 21 WB	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	1	1
INL A1.4	815+80.00	17.50' RT	LEONARD PT NB	---	---	---	1	---	---	---	---	---	---	---	---	---	---	1	---	1
MH A1.5	815+80.00	6.00' RT	LEONARD PT NB	---	1	---	---	---	---	---	---	---	---	---	---	1	---	---	---	1
MH A1.6	816+60.00	6.00' RT	LEONARD PT NB	---	1	---	---	---	---	---	---	---	---	---	---	1	---	---	---	1
INL 2.2	732+17.48	25.62' LT	STH 21 WB	---		---	---	---	---	1	---	---	---	---	---	---	---	---	1	1
MH 3.2	811+44.48	7.10' LT	LEONARD PT NB	---	1	---	---	---	---	---	---	---	---	---	---	1	---	---		1
INL 3.4	811+05.76	1.50' LT	LEONARD PT NB	---	---	---	1	---	---	---	---	---	---	---	---	---	---	---	1	1
INL 3.5	911+06.37	1.50' RT	LEONARD PT SB	---	---	---	1	---	---	---	---	---	---	---	---	---	---	---	1	1
INL 4.2	22+45.20	1.73' LT	STH 21 RA	---	---	---	---	---	---	---	1	---	---	---	---	---	---	1	---	1
INL 4.3	22+35.20	1.73' LT	STH 21 RA	---	---	---	---	---	---	---	1	---	---	---	---	---	---	1	---	1
INL 7.2	914+92.00	23.95' LT	LEONARD PT SB	---	---	---	---	---	---	1	---	---	1	---	---	---	---	---	---	1
INL 7.3	915+80.78	16.50' LT	LEONARD PT SB	---	---	---	1	---	---	---	---	---	---	---	---	---	1	---	---	1
INL 7.4	917+28.31	25.41' LT	LEONARD PT SB	---	---	---	---	---	---	---	---	1	---	---	---	---	1	---	---	1
INL 8.2	738+78.84	1.50' RT	STH 21 WB	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	1	1
INL 8.3	339+00.00	1.50' LT	STH 21 EB	---	---	---	---	1	---	---	---	---	---	---	---	---	---	---	1	1
INL 9.2	814+45.00	20.06' RT	LEONARD PT NB	---	---	---	1	---	---	---	---	---	---	---	---	---	---	---	1	1
INL 9.3	814+48.53	1.50' LT	LEONARD PT NB	---	---	---	1	---	---	---	---	---	---	---	---	---	---	---	1	1
INL 9.4	914+50.85	1.50' RT	LEONARD PT SB	---	---	---	1	---	---	---	---	---	---	---	---	---	---	---	1	1
CATEGORY 0020 TOTAL				0	3	0	9	1	1	4	2	1	1	0	3	0	4	2	11	21
PROJECT TOTAL				5	4	3	9	7	3	4	2	1	3	1	3	2	5	2	17	33

*** ADDITIONAL QUANTITIES SHOWN ELSEWARE

3

GUARDRAIL

STATION	TO	STAION	LOCATION	614.2300 GUARDRAIL 3 LF	614.2310 GUARDRAIL 3 HS LF	614.2610 TERMINAL EAT EACH	614.2620 TERMINAL TYPE 2 EACH	614.8010 ANCHOR POST ASSEMBLY TOP MOUNT EA
				MGS GUARDRAIL				
CATEGORY 0010								
348+68	-	351+31	STH 21 EB	212.5	---	1	1	---
358+43	-	362+05	STH 21 EB	312.5	---	1	1	---
751+75	-	754+98	STH 21 WB	194	72	1	1	10
761+28	-	764+47	STH 21 WB	194	69	1	1	9
			PROJECT TOTALS	913.0	141	4	4	19

RIPRAP

STATION	DIR	ROADWAY	606.0200 RIRRAP MEDIUM CY	645.0120 GEOTEXTILE TYPE HR SY
CATEGORY 0020				
732+15	LT	STH 21 WB	2	5
331+90	RT	STH 21 EB	2	5
335+10	RT	STH 21 EB	5	6
735+95	LT	STH 21 WB	5	9
738+65	LT	STH 21 WB	3	6
813+95	RT	LEONARD PT NB	6	7
814+10	RT	LEONARD PT NB	2	5
914+90	LT	LEONARD PT SB	2	4
		PROJECT TOTAL	27	47

CONCRETE MEDIAN SLOPED NOSE

STATION TO STATION	LOCATION	620.0300 SF
CATEGORY 0010		
814+52 - 817+34	OAKWOOD	180
10+27 - 11+40	WESTHAVEN	180
349+00 - 363+00	OAKWOOD	190
752+00 - 764+50	WESTHAVEN	170
	CATEGORY 0010 TOTAL	720
CATEGORY 0020		
317+59 - 333+09	WEST LEG RAB	90
810+51 - 811+75	SOUTH LEG RAB	100
913+72 - 814+52	NORTH LEG RAB	90
334+98 - 340+57	EAST LEG RAB	30
	RAB	0
	CATEGORY 0020 TOTAL	310
	PROJECT TOTALS	1,030

LANDSCAPING ITEMS

STATION	TO	STATION	LOCATION	625.0100 TOPSOIL SY	627.0200 MULCHING SY	628.2008 EROSION MAT URBAN CLASS I TYPE B SY	628.2004 EROSION MAT CLASS I TYPE B SY	629.0210 FERTILIZER TYPE B CWT	630.0110 SEEDING MIX NO. 10 LB	630.0130 SEEDING MIX NO. 30 LB	630.0140 SEEDING MIX NO. 40 LB	630.0200 SEEDING TEMPORARY LB	SPV.0085.01 LOW MAINTENANCE SEED MIX LB	630.0500 SEED WATER MGAL
CATEGORY 0010														
349+00	-	363+00	STH 21 EB	1,090	---	---	1,090	0.7	---	20	---	15	---	24
752+00	-	764+50	STH 21 WB	935	---	---	935	0.6	---	20	---	13	---	21
386+47	-	795+20	OAKWOOD RD	670	560	110	---	0.4	---	20	2	9	---	15
415+50	-	422+80	WESTHAVEN DR	2,000	1,720	225	50	1.3	35	10	5	27	---	45
UNDISTRIBUTED				940	455	65	415	0.0	5	15	1	13	0	20
CATEGORY 0010 TOTAL				5,635	2,735	400	2,490	3.0	40	85	8	77	0	125
CATEGORY 0020														
317+59	-	333+09	RAB WEST LEG	13,555	7,230	4,465	1,860	8.5	65	44	114	183	---	304
			RAB SW QUAD	1,115	390	660	65	0.7	5	---	13	15	---	25
			RAB SE QUAD	1,290	700	590	---	0.8	9	---	11	17	---	29
			RAB NW QUAD	1,640	1,100	540	---	1.0	15	---	10	22	---	37
			RAB NE QUAD	1,855	---	1,855	---	1.2	---	---	33	25	---	42
			RAB CENTER ISLAND	815	---	815	---	0.5	---	---	---	11	51	18
334+98	-	340+57	RAB EAST LEG	3,220	1,595	1,630	---	2.0	11	14	29	43	---	72
814+52	-	817+34	LEONARD POINT RD	1,310	---	1,310	---	0.8	---	---	24	18	---	29
10+27	-	11+40	OMRO RD	220	---	220	---	0.1	---	---	4	3	---	5
UNDISTRIBUTED				5,005	2,205	2,415	385	5.0	20	10	48	67	10	110
CATEGORY 0020 TOTAL				30,025	13,220	14,500	2,310	20.6	125	68	286	404	61	671
PROJECT TOTALS				35,660	15,955	14,900	4,800	23.6	165	153	294	481	61	796

EROSION CONTROL

STATION	TO	STATION	LOCATION	628.1504 SILT FENCE LF	628.1520 SILT FENCE MAINTENANCE LF	628.1905 MOBILIZATIONS EROSION CONTROL EACH	628.1910 MOBILIZATIONS EMERGENCY EROSION CONTROL EACH	628.7005 INLET PROTECTION TYPE A EACH	628.7015 INLET PROTECTION TYPE C EACH	628.7504 TEMPORARY DITCH CHECKS LF	628.7555 CULVERT PIPE CHECKS EACH	628.7560 TRACKING PAD EACH	628.7570 ROCK BAGS EACH
CATEGORY 0010													
349+00	-	363+00	STH 21 EB	812	812	1	1	---	---	30	6	---	22
752+00	-	764+50	STH 21 WB	960	960	---	---	1	---	---	---	---	---
386+47	-	795+20	OAKWOOD RD	202	202	1	1	---	7	---	19	---	---
415+50	-	422+80	WESTHAVEN DR	98	98	1	1	---	---	---	6	---	---
UNDISTRIBUTED				414	414	1	1	0	1	6	6	0	4
CATEGORY 0010 TOTAL				2,486	2,486	4	4	1	8	36	37	0	26
CATEGORY 0020				---	---			---	---		---		
317+59	-	333+09	STH 21 RAB WEST LEG	274	274	---	---	---	4	496	15	1	---
810+51	-	811+75	STH 21 RAB SOUTH LEG	---	---	---	---	---	2	---	3	---	---
913+72	-	814+52	STH 21 RAB NORTH LEG	---	---	---	---	---	3	---	2	---	---
334+98	-	340+57	STH 21 RAB EAST LEG	584	584	---	---	---	2	66	---	2	---
			STH RAB	---	---	1	1	---	2	---	---	---	---
814+52	-	817+34	LEONARD POINT RD	---	---	---	---	3	2	---	---	1	---
10+27	-	11+40	OMRO RD	116	116	---	---	---	2	---	---	1	---
UNDISTRIBUTED				195	195	1	1	1	3	112	4	1	0
CATEGORY 0020 TOTAL				1,169	1,169	2	2	4	20	674	24	6	0
PROJECT TOTAL				3,655	3,655	6	6	5	28	710	61	6	26

3

ERECTION OF PERMANENT SIGNING, TYPE II

SIGN NO.	LOCATION	SIGN CODE	W X H	637.2210 SIGNS TYPE II REFLECTIVE TYPE H S.F.	637.2230 SIGNS TYPE II REFLECTIVE TYPE F S.F.	634.0614 POSTS WOOD 4x6x14 EACH	634.0616 POSTS WOOD 4x6x16 EACH	634.0618 POSTS WOOD 4x6x18 EACH	REMARKS
CATEGORY 0020									
1	STH 21, W. OF LEONDARD POINT RD	W2-6	30" X 30"	---	6.25	---	1	---	
2	"	W13-1	18" X 18"	---	2.25	---	---	---	MOUNT BELOW SIGN 1
3	"	D1-62	96" X 48"	32.00	---	---	---	2	
4	"	R4-7	36" X 48"	12.00	---	---	1	---	
5	"	W5-54	18" X 18"	---	2.25	---	---	---	MOUNT BELOW SIGN 4
6	"	R2-1	24" X 30"	5.00	---	1	---	---	55 MPH
7	"	J4-1	24" X 36"	6.00	---	1	---	---	
8	"	R3-6X	42" X 48"	14.00	---	---	---	---	S-70-0391
9	"	R3-6R	42" X 48"	14.00	---	---	---	---	S-70-0391
10	"	R1-2	36" X 31"	3.88	---	1	---	---	
11	"	R1-2	36" X 31"	3.88	---	1	---	---	
12	"	D1-1	42" X 24"	7.00	---	1	---	---	
13	CENTRAL ISLAND	R6-1R	54" X 18"	6.75	---	2	---	---	
14	"	R6-1R	54" X 18"	6.75	---	2	---	---	
15	"	R6-1R	54" X 18"	6.75	---	2	---	---	
16	"	R6-1R	54" X 18"	6.75	---	2	---	---	
17	LEONARD POINT RD NORTH OF STH 21	W2-6	30" X 30"	---	6.25	---	1	---	
18	"	W13-1	18" X 18"	---	2.25	---	---	---	MOUNT BELOW SIGN 17
19	"	R4-7	24" X 30"	5.00	---	1	---	---	
20	"	R3-5X	42" X 48"	14.00	---	---	---	---	S-70-0390
21	"	R3-6R	42" X 48"	14.00	---	---	---	---	S-70-390
22	"	J3-2	48" X 57"	19.00	---	---	1	---	
23	"	R1-2	36" X 31"	3.88	---	1	---	---	
24	"	R1-2	36" X 31"	3.88	---	1	---	---	
25	"	D1-1	60" X 24"	10.00	---	2	---	---	
26	"	R2-1	24" X 30"	5.00	---	1	---	---	35 MPH
27	"	R1-1	30" X 30"	5.18	---	1	---	---	
27A	"	W1-7	48" X 24"	---	8.00	1	---	---	
28	LEONARD POINT RD SOUTH OF STH 21	D1-1	60" X 24"	10.00	---	2	---	---	
29	"	R1-2	36" X 31"	3.88	---	1	---	---	
30	"	R1-2	36" X 31"	3.88	---	1	---	---	
31	"	R4-7	24" X 30"	5.00	---	1	---	---	
32	"	J3-2	48" X 57"	19.00	---	---	1	---	
33	"	W2-6	30" X 30"	---	6.25	---	1	---	
34	"	W13-1	18" X 18"	---	2.25	---	---	---	MOUNT BELOW SIGN 33
	PAGE SUBTOTALS			246.46	35.75	26	6	2	

3

ERECTION OF PERMANENT SIGNING, TYPE II CONT.

SIGN NO.	LOCATION	SIGN CODE	W X H	637.2210 SIGNS TYPE II REFLECTIVE TYPE H S.F.	637.2230 SIGNS TYPE II REFLECTIVE TYPE F S.F.	634.0614 POSTS WOOD 4x6x14 EACH	634.0616 POSTS WOOD 4x6x16 EACH	634.0618 POSTS WOOD 4x6x18 EACH	REMARKS
CATEGORY 0020									
35	STH 21, E. OF LEONDARD POINT RD	R1-2	36" X 31"	3.88	---	1	---	---	
36	"	R1-2	36" X 31"	3.88	---	1	---	---	
37	"	D1-1	42" X 24"	7.00	---	1	---	---	
38	"	J4-1	36" X 54"	13.50	---	---	1	---	
39	"	R2-1	36" X 48"	12.00	---	---	1	---	55 MPH
40	"	R3-6X	42" X 48"	14.00	---	---	---	---	S-70-0392
41	"	R3-6R	42" X 48"	14.00	---	---	---	---	S-70-0392
42	"	D1-62	96" X 48"	32.00	---	---	---	2	
43	"	W2-6	48" X 48"	---	16.00	---	1	---	
44	"	W13-1	24" X 24"	---	4.00	---	---	---	MOUNT BELOW SIGN 43
45	"	W2-6	48" X 48"	---	16.00	---	1	---	
46	"	W13-1	24" X 24"	---	4.00	---	---	---	MOUNT BELOW SIGN 45
	PAGE SUBTOTALS			100.26	40.00	3	4	2	
	PROJECT TOTALS			**346.72**	**75.75**	**29**	**10**	**4**	

3

REMOVAL OF PERMANENT SIGNING, TYPE II

SIGN NO.	LOCATION	SIGN CODE	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH
CATEGORY 0020				
R1	STH 21, W. OF LEONARD POINT RD	W8-75	1	3
R2	"	R4-7	1	1
R3	"	R5-1	1	1
R4	"	D1-1	1	2
R5	"	R5-1A	1	1
R6	"	R5-1A	1	1
R7	"	W6-2	1	1
R8	"	R5-1	1	1
R9	"	R6-2L	1	1
R10	LEONDARD POINT RD	R1-1	1	1
R11	"	R1-1	1	1
R12	"	R6-2L	1	1
R13	"	W1-7	1	1
R14	"	R1-1	1	1
R15	"	R2-1	1	1
R16	"	W3-1	1	1
R17	STH 21, E. OF LEONARD POINT RD	R4-7	1	1
R18	"	R5-1	1	1
R19	"	R5-1A	1	1
R20	"	D1-1	1	2
R21	"	W8-75	1	3
R22	"	W8-75	1	3
R23	"	W4-2L	1	2
R24	"	W4-2L	1	2
R25	"	W9-1L	1	2
R26	"	W9-1L	1	2
	TOTALS		**26**	**38**

TRAFFIC CONTROL

STAGE	STATION TO STATION	LOCATION	LENGTH OF STAGE DAYS	637.0620 SIGN FLAGS PERMANENT TYPE II EACH	643.0300 TRAFFIC CONTROL DRUMS NO.	643.0300 DAYS	643.0420 TRAFFIC CONTROL BARRICADE TYPE III NO.	643.0420 DAYS	643.0705 TRAFFIC CONTROL WARNING LIGHTS TYPE A NO.	643.0705 DAYS	643.0715 TYPE C NO.	643.0715 DAYS	643.0810[1] TRAFFIC CONTROL CONNECTED ARROW BOARDS NO.	643.0810[1] DAYS	643.0900 TRAFFIC CONTROL SIGNS NO.	643.0900 DAYS	643.0910 TRAFFIC CONTROL COVERING SIGNS TYPE 1 EACH	643.1050 TRAFFIC CONTROL SIGNS PCMS DAYS	643.1220[1] TRAFFIC CONTROL CONNECTED WORK ZONE START AND END LOCATION MARKERS NO.	643.1220[1] DAYS
PROJECT 6180-31-71																				
CATEGORY 0010																				
STAGE 1	317+59 - 431+41	STH 21	117	--	210	24,570	25	2,878	54	6,318	14	1,638	1	117	33	3,861	--	7	1	117
STAGE 1		OMRO RD/WASHBURN ST	117	2	19	2,223	1	117	2	234	6	702	--	--	3	351	1	21	--	--
STAGE 1 PHASE 1A	411+00 - 425+00	WESTHAVEN DR	27	--	104	2,808	28	756	48	1,296	10	270	--	--	25	675	--	21	--	--
STAGE 1 PHASE 1B	411+00 - 425+00	WESTHAVEN DR	31	--	116	3,596	38	1,178	67	2,077	--	--	--	--	22	682	--	--	--	--
STAGE 1 PHASE 1C	411+00 - 420+00	WESTHAVEN DR	59	--	26	1,534	5	295	16	944	10	590	--	--	14	826	--	21	--	--
STAGE 1 PHASE 2A	386+00 - 396+00	OAKWOOD RD	27	--	82	2,214	28	756	46	1,242	10	270	--	--	24	648	--	21	--	--
STAGE 1 PHASE 2B	386+00 - 396+00	OAKWOOD RD	31	--	91	2,821	40	1,240	64	1,984	--	--	--	--	24	744	--	--	--	--
STAGE 1 PHASE 2C	387+00 - 394+00	OAKWOOD RD	59	--	25	1,475	4	236	16	944	10	590	--	--	7	413	--	21	--	--
STAGE 2	317+59 - 431+41	STH 21	60	--	196	11,760	25	1,476	54	3,240	14	840	1	60	33	1,980	--	--	1	60
STAGE 2 PHASE 1		OMRO RD/WASHBURN ST	31	--	19	589	1	31	2	62	6	186	--	--	3	93	--	--	--	--
CATEGORY 0010 TOTALS				2	53,590		8,963		18,341		5,086		177		10,273		1	112	177	
CATEGORY 0020																				
STAGE 2 PHASE 1	814+25 - 819+00	LEONARD POINT ROAD	31	--	28	867	10	310	12	372	6	195	--	--	17	527	--	--	--	--
STAGE 2 PHASE 1	334+50 - 340+25	STH 21	31	--	72	2,242	--	--	--	--	10	303	--	--	5	155	--	--	--	--
STAGE 2 PHASE 2	814+75 - 819+00	LEONARD POINT ROAD	31	--	24	747	8	248	12	372	7	211	--	--	27	837	--	--	--	--
STAGE 2 PHASE 3	814+80 - 819+00	LEONARD POINT ROAD	40	--	--	--	6	240	8	320	--	--	--	--	2	80	--	--	--	--
UNDISTRIBUTED				--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
CATEGORY 0020 TOTALS				0	3,856		798		1,064		709		0		1,599		0	0	0	
CONTRACT TOTALS				2	57,446		9,761		19,405		5,795		177		11,872		1	112	177	

[1]: WESTBOUND STH 21

TEMPORARY TRAFFIC SIGNALS FOR INTERSECTIONS

STAGE	STATION TO STATION	LOCATION	661.0201.01 TEMPORARY TRAFFIC SIGNALS FOR INTERSECTIONS (LEONARD POINT ROAD AND OMRO ROAD) EACH	SPV.0060.07 TEMPORARY VEHICLE DETECTION LEONARD POINT RD AND OMRO RD EACH
PROJECT 6180-31-71				
CATEGORY 0020				
STAGE 2 PHASE 1	814+25 - 819+00	LEONARD POINT ROAD	1	1
STAGE 2 PHASE 2	814+75 - 819+00	LEONARD POINT ROAD	1	
CATEGORY 0020 TOTALS			2	1
CONTRACT TOTALS			2	1

3

TEMPORARY PAVEMENT MARKING

STAGE	STATION TO STATION	LOCATION	643.3165 TEMPORARY MARKING LINE PAINT 6-INCH WHITE LF	643.3165 TEMPORARY MARKING LINE PAINT 6-INCH YELLOW LF	643.3520 TEMPORARY MARKING ARROW EPOXY TYPE 2 EACH	643.3805 TEMPORARY MARKING STOP LINE PAINT 18-INCH LF	646.5020 * MARKING ARROW EPOXY TYPE 3 EACH	646.9000 MARKING LINE REMOVAL 4-INCH LF	646.9002 MARKING LINE REMOVAL 6-INCH LF	646.9200 MARKING LINE REMOVAL WIDE LF	646.9310 MARKING REMOVAL SPECIAL MARKING WATER BLASTING EACH	COMMENT
PROJECT 6180-31-71												
CATEGORY 0010												
STAGE 1/STAGE 2 PHASE 1	STH 21 WB	OMRO RD/WASHBURN ST	--	--	2	--	2	--	--	--	2	NOTE 1
		CATEGORY 0010 TOTALS	0		2	0	2	0	0	0	2	
CATEGORY 0020												
STAGE 2 PHASE 1	814+25 - 819+00	LEONARD POINT ROAD	612	650	--	12	--	60	--	--	--	
STAGE 2 PHASE 1	334+50 - 340+25	STH 21	410	--	--	12	--	--	--	--	--	
STAGE 2 PHASE 2	10+75 - 819+00	OMRO ROAD	--	736	--	12	--	--	---	---	--	
STAGE 2 PHASE 3	814+75 - 819+00	LEONARD POINT ROAD	--	--	--	--	--	--	650	12	--	
STAGE 2 PHASE 3	10+75 - 819+00	OMRO ROAD	--	--	--	--	--	--	736	12	--	
UNDISTRIBUTED			--	--	--	--	--	--	--	--	--	
		CATEGORY 0020 TOTALS	1,022	1,386 2,408	0	36	0	60	1,386	24	0	
		CONTRACT TOTALS		2,408	2	36	2	60	1,386	24	2	

NOTE 1: REMOVE TEMPORARY MARKING ARROW EPOXY AND PLACE MARKING ARROW EPOXY AT END OF STAGE.

* ADDITIONAL QUANTITES SHOWN ELSEWHERE

3

MARKING

STATION TO STATION			ROADWAY	646.2020 LINE EPOXY 6-INCH (WHITE) LF	646.2020 LINE EPOXY 6-INCH (YELLOW) LF	646.4020 LINE EPOXY 10-INCH (WHITE) LF	646.2040 LINE GROOVED WET REF EPOXY 6-INCH (YELLOW) LF	646.2040 LINE GROOVED WET REF EPOXY 6-INCH (WHITE) LF	646.2040 LINE GROOVED WET REF EPOXY 6-INCH (BLACK) LF	646.4040 LINE GROOVED WET REF EPOXY 10-INCH (WHITE) LF	646.5020 * ARROW EPOXY (TURN LANE) (WHITE) EA	646.5120 WORD EPOXY (WHITE) EA	647.5220 SYMBOL EPOXY (WHITE) EA	646.6120 STOP LINE EPOXY 18-INCH (WHITE) LF	REMARKS
PROJECT 6180-31-71															
CATEGORY 0010															
339+68	-	355+00	STH 21 EB	---	---	---	1,532	1,916	383	---	---	---	---	---	
355+00	-	361+00	STH 21 EB	---	---	---	332	756	151	120	---	---	---	---	
361+00	-	369+50	STH 21 EB	---	---	---	850	1,065	213	---	---	---	---	---	
369+50	-	375+25	STH 21 EB	---	---	---	280	581	144	117	---	---	---	---	
375+25	-	385+00	STH 21 EB	---	---	---	975	1,219	244	---	---	---	---	---	
385+00	-	396+00	STH 21 EB	---	23	8	570	1,291	261	428	4	2	---	80	
396+00	-	410+50	STH 21 EB	---	---	---	1,400	1,764	352	---	---	---	---	---	
410+50	-	423+50	STH 21 EB	12	65	28	675	1,453	295	633	4	2	---	86	
423+50	-	430+90	STH 21 EB	---	---	---	740	923	185	---	---	---	---	---	
740+67	-	755+07	STH 21 WB	---	---	---	1,440	1,798	360	---	---	---	---	---	
755+07	-	761+00	STH 21 WB	---	---	---	322	621	148	185	---	---	---	---	
761+00	-	769+47	STH 21 WB	---	---	---	847	1,055	211	---	---	---	---	---	
769+47	-	755+22	STH 21 WB	---	---	---	272	578	144	123	---	---	---	---	
755+22	-	784+97	STH 21 WB	---	---	---	975	1,219	244	---	---	---	---	---	
784+97	-	796+43	STH 21 WB	---	39	16	567	1,280	259	614	4	2	---	75	
796+43	-	810+26	STH 21 WB	---	---	---	1,384	1,717	345	---	---	---	---	---	
810+26	-	823+26	STH 21 WB	---	120	---	646	1,430	296	639	2	1	---	80	
823+26	-	831+29	STH 21 WB	---	---	---	803	1,006	201	---	---	---	---	---	
				12	247		14,610	21,672	4,436						
			TOTAL 0010	259		52		40,718		2,859	14	7	0	321	
CATEGORY 0020															
317+59	-	333+15	STH 21 EB W LEG	---	---	356	2,238	2,874	28	---	2	---	---	---	
334+87	-	340+58	STH 21 EB E LEG	---	---	331	232	981	218	---	2	---	---	---	
810+31	-	811+82	LEONARD PT NB S LEG	---	228	105	---	---	---	---	---	---	---	---	
813+61	-	817+29	LEONARD PT NB N LEG	---	2,190	163	---	---	---	---	2	---	---	---	
10+00	-	15+25	OMRO RD	166	605	---	---	---	---	---	1	3	1	18	
20+00	-	24+12	RAB	340	---	---	---	---	---	---	6	---	---	---	
				506	3,023		2,470	3,855	246						
			TOTAL 0020	3,529		955		6,571		0	13	3	1	18	
			PROJECT TOTAL	3,788		1,007		47,289		2,859	27	10	1	339	

NOTE: WESTHAVEN AND OAKWOOD QUANTITIES INCLUDED IN STH 21 EB AND WB QUANTITIES. OMRO RD QUANTITIES INCLUDED IN LEONARD PT NB N LEG QUANTITIES.

* ADDITIONAL QUANTITIES SHOWN ELSEWHERE

3

MARKING

STATION TO STATION			ROADWAY	646.6320 DOTTED EXTENSION EPOXY 18-INCH (WHITE) LF	646.7120 DIAGONAL EPOXY 12-INCH (YELLOW) LF	646.7220 CHEVRON EPOXY 24-INCH (WHITE) LF	646.7420 CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE) LF	646.8120 CURB EPOXY (YELLOW) LF	646.8220 ISLAND NOSE EPOXY (YELLOW) EA	REMARKS
PROJECT 6180-31-71 CATEGORY 0010										
339+68	-	355+00	STH 21 EB	---	---	---	---	---	---	
355+00	-	361+00	STH 21 EB	---	---	---	---	---	---	
361+00	-	369+50	STH 21 EB	---	---	---	---	---	---	
369+50	-	375+25	STH 21 EB	---	---	---	---	---	---	
375+25	-	385+00	STH 21 EB	---	---	---	---	---	---	
385+00	-	396+00	STH 21 EB	---	---	28	317	21	2	
396+00	-	410+50	STH 21 EB	---	---	---	---	---	---	
410+50	-	423+50	STH 21 EB	---	---	35	363	23	2	
423+50	-	430+90	STH 21 EB	---	---	---	---	---	---	
740+67	-	755+07	STH 21 WB	---	---	---	---	---	---	
755+07	-	761+00	STH 21 WB	---	---	---	---	---	---	
761+00	-	769+47	STH 21 WB	---	---	---	---	---	---	
769+47	-	755+22	STH 21 WB	---	---	---	---	---	---	
755+22	-	784+97	STH 21 WB	---	---	---	---	---	---	
784+97	-	796+43	STH 21 WB	---	---	35	317	21	2	
796+43	-	810+26	STH 21 WB	---	---	---	---	---	---	
810+26	-	823+26	STH 21 WB	---	---	74	326	22	2	
823+26	-	831+29	STH 21 WB	---	---	---	---	---	---	
			TOTAL 0010	0	0	172	1,323	87	8	
CATEGORY 0020										
317+59	-	333+15	STH 21 EB W LEG	---	54	15	116	10	1	
334+87	-	340+58	STH 21 EB E LEG	---	---	16	117	---	---	
810+31	-	811+82	LEONARD PT NB S LEG	---	6	---	66	10	1	
813+61	-	817+29	LEONARD PT NB N LEG	---	50	---	179	10	1	
10+00	-	15+25	OMRO RD	---	---	---	124	---	---	
20+00	-	24+12	RAB	132	---	---	---	---	---	
			TOTAL 0020	132	110	31	602	30	3	
			PROJECT TOTAL	132	110	203	1,925	117	11	

NOTE: WESTHAVEN AND OAKWOOD QUANTITIES INCLUDED IN STH 21 EB AND WB QUANTITIES. OMRO RD QUANTITIES INCLUDED IN LEONARD PT NB N LEG QUANTITIES.

Conduit Rigid Nonmetallic Schedule 40

S70-0645 (STH 21 & OAKWOOD)

CATEGORY 0010

Location		652.0210 1-Inch	652.0225 2-Inch	652.0235 3-Inch	652.0615 3-Inch Special
FROM	TO	LF	LF	LF	LF
CB1	PB1			40	
CB1	PB1			40	
PB1	SB16		25		
PB1	PB2				60
PB1	PB2				60
PB2	SB9		10		
PB3	SB10		15		
PB3	DRAIN		15		
PB3	PB4		190		
PB4	PB5	160			
PB3	PB6				55
PB3	PB6				55
PB6	SB10		25		
PB6	PB7				75
PB6	PB7				75
PB7	DRAIN		15		
PB7	SB11		15		
SB12	PB8		10		
PB8	PB9		15		
PB10	SB6		10		
PB11	SB7		15		
PB11	DRAIN		15		
PB11	PB12		190		
PB12	PB13	160			
PB11	PB14				50
PB11	PB14				50
PB14	SB13		30		
PB14	PB15				70
PB14	PB15				70
PB15	SPLICE (SB1)		40		
PB15	SB14		15		
PB15	DRAIN		15		
PB15	CB1			45	
PB15	CB1			45	
CATEGORY SUBTOTALS		320	665	170	620

Conduit Rigid Nonmetallic Schedule 40

S70-0909 (STH 21 & WESTHAVEN)

CATEGORY 0010

Location		652.0210 1-Inch	652.0225 2-Inch	652.0235 3-Inch	652.0615 3-Inch Special
FROM	TO	LF	LF	LF	LF
PB1	PB2				65
PB2	PB3			50	
PB3	SB9		25		
PB3	SB10		5		
PB3	PB4		200		
PB4	PB5	160			
PB3	PB6				65
PB3	PB6				65
PB6	SB11		30		
PB6	PB7				85
PB6	PB7				85
PB7	SPLICE (SB4)			15	
PB7	SB12		5		
PB7	PB8			50	
PB7	PB8			50	
PB8	SB13		10		
PB8	PB9		25		
PB8	PB10				75
PB8	PB10				75
PB10	SB6		10		
PB10	SB14		15		
PB10	PB11			30	
PB10	PB11			30	
PB11	PB12		190		
PB12	PB13	160			
PB11	PB14				55
PB11	PB14				55
PB14	SB15		25		
PB14	PB15				90
PB14	PB15				90
PB15	SPLICE (SB8)			10	
PB15	SB16		15		
PB15	SPLICE (CB1)			20	
PB15	SPLICE (CB1)		15		
CATEGORY SUBTOTALS		320	570	255	805
CATEGORY TOTALS		640	1,235	425	1,425

3

Pull Boxes

LOCATION	Non-Conductive 653.0164 * 24x42-Inch EACH
CATEGORY 0010	
S70-0645 (STH 21 & OAKWOOD)	15
S70-0909 (STH 21 & WESTHAVEN)	15
CATEGORY TOTALS	30

Removing Pull Boxes

LOCATION	653.0905 * EACH
CATEGORY 0010	
S70-0645 (STH 21 & OAKWOOD)	16
S70-0909 (STH 21 & WESTHAVEN)	16
CATEGORY SUBTOTALS	32

* QUANTITY SHOWN ELSEWHERE

Concrete Bases

LOCATION		Station	Offset	654.0101 * Type 1 EACH	654.0102 * Type 2 EAACJ	654.0217 Type 9 Special EACH
CATEGORY 0010						
S70-0645 (STH 21 & OAKWOOD)	CB1	391+56 EB	84' RT			1
	SB9	390+52 EB	64' RT	1		
	SB10	390+32 EB	50' RT	1		
	SB11	390+30 EB	6' LT	1		
	SB12	790+29 WB	47' LT	1		
	SB13	790+35 WB	57' LT	1		
	SB6	791+16 WB	65' LT		1	
	SB7	791+36 WB	50' LT	1		
	SB14	792+37 WB	6' RT	1		
	SB15	391+39 EB	49' RT	1		
	SB16	391+33 EB	56' RT	1		
CATEGORY SUBTOTALS				9	1	1

Concrete Bases

LOCATION		Station	Offset	654.0101 * Type 1 EACH	654.0102 * Type 2 EAACJ	654.0217 Type 9 Special EACH
CATEGORY 0010						
S70-0909 (STH 21 & WESTHAVEN)	SB9	416+29 EB	65' RT	1		
	SB10	416+19 EB	55' RT	1		
	SB11	416+17 EB	6' LT	1		
	SB12	815+95 WB	45' LT	1		
	SB13	816+32 WB	69' LT	1		
	SB6	817+01 WB	70' LT		1	
	SB14	817+11 WB	60' LT	1		
	SB15	817+13 WB	6' RT	1		
	SB16	417+17 EB	65' RT	1		
CATEGORY SUBTOTALS				8	1	0
CATEGORY TOTALS				17	2	1

* QUANTITIES SHOWN ELSEWHERE

Loop Detectors

LOCATION	LOOP NO.	# OF TURNS	652.0800 Conduit LF	655.0700 Lead In Cable LF	655.0800 Wire LF
CATEGORY 0010					
S70-0645 (STH 21 & OAKWOOD)	21	4	92	538	376
	22	4	92	378	376
	41	2	72	63	152
	42	3	112	63	344
	51	3	92	138	284
	61	5	92	358	468
	62	4	92	518	376
	63	3	92	223	284
	81	3	92	298	284
	82	3	112	298	344
CATEGORY SUBTOTALS			940	2,875	3,288

Loop Detectors

LOCATION	LOOP NO.	# OF TURNS	652.0800 Conduit LF	655.0700 Lead In Cable LF	655.0800 Wire LF
CATEGORY 0010					
S70-0909 (STH 21 & WESTHAVEN)	21	5	30	553	518
	22	4	30	393	336
	41	2	122	43	252
	42	2	102	43	212
	51	2	92	148	192
	61	5	102	518	518
	62	4	102	358	416
	63	3	92	223	284
	81	4	92	333	376
	82	4	112	333	456
CATEGORY SUBTOTALS			876	2,945	3,560
CATEGORY TOTALS			1,816	5,820	6,848

3

CABLE TRAFFIC SIGNAL

LOCATION		655.0230 5-14 AWG LF	655.0240 7-14 AWG LF	655.0260 12-14 AWG LF	HEAD NO.	655.0700 Loop Detector Lead In Cable	655.0230 Base to Head 5-14 AWG LF	655.0240 Base to Head 7-14 AWG LF	655.0900 EVP Detector LF
CATEGORY 0010									
S70-0645 (STH 21 & OAKWOOD)									
FROM	TO								
CB1	SB1			123	14		Use existing		
					15		Use existing		
					EVP #1				135
	SB2	168				15	Use existing		
	SB9	163			17		26		
					Button	5			
	SB3			223	1			Use existing	
					10		Use existing		
	SB10	228			24		26		
					Button	5			
	SB11		298		2			31	
	SB4	398			3		Use existing		
					4		Use existing		
	SB12	388			21		26		
					Button	5			
	SB13	428			18		26		
					Button	5			
	SB5			383	11		Use existing		
					16			Use existing	
	SB6	303			12		61		
		303			19		26		
					Button	5			
	SB7			248	5		29		
					6			29	
		248			22		26		
					Button	5			
	SB14		198		7			29	
	SB8	133			8		Use existing		
					9		Use existing		
					EVP #2				122
					EVP #4				122
	SB15	98			23		26		
					Button	5			
	SB16	103			20		26		
					Button	5			
	Sub Total	2,961	496	977		55	298	89	379
	CATEGORY SUBTOTALS	3,259	585	977		55			379

3

CABLE TRAFFIC SIGNAL

LOCATION		655.0230 5-14 AWG LF	655.0240 7-14 AWG LF	655.0260 12-14 AWG LF	HEAD NO.	655.0700 Loop Detector Lead In Cable	655.0230 Base to Head 5-14 AWG LF	655.0240 Base to Head 7-14 AWG LF	655.0900 EVP Detector LF
CATEGORY 0010									
S70-0909 (STH 21 & WESTHAVEN)									
FROM	SB1			78	13		Use existing		
					14		Use existing		
	SB2	153			15		Use existing		
	SB9	228			17		26		
					Button	5			
	SB10	208			24		26		
					Button	5			
	SB3			213	1			Use existing	
					10		Use existing		
	SB11		313		2			31	
	SB4	398			3		Use existing		
					4		Use existing		
	SB12	388			21		26		
					Button	5			
	SB5	403			18		26		
					Button	5			
CB1	SB13			393	11		29		
					16		29		
	SB6	303			12		61		
		303			19		26		
					Button	5			
	SB14	308			22		26		
					Button	5			
	SB7			253	5		Use existing		
					6			Use existing	
	SB15		203		7		29		
	SB8	83			8		Use existing		
					9		Use existing		
		83			23		26		
					Button	5			
	SB16	88			20		26		
					Button	5			
	Sub Total	2,946	516	937		40	356	31	0
	CATEGORY SUBTOTALS	3,302	547	937		40			0
	CATEGORY TOTALS	6,561	1,132	1,914		95			379

3

TRAFFIC SIGNALS

LOCATION	656.0201 Electrical Service Meter Breaker Pedestal S70-0645 (STH 21 & OAKWOOD) EACH	657.0100 Pedestal Bases EACH	657.0255 Transformer Bases EACH	657.0310 Poles Type 3 EACH	657.0420 Traffic Signal Standard Aluminum 13-FT EACH
CATEGORY 0010					
S70-0645 (STH 21 & OAKWOOD)	1	8	1	1	2
S70-09095 (STH 21 & WESTHAVEN)	---	8	1	1	2
CATEGORY TOTALS	1	16	2	2	4

TRAFFIC SIGNALS

LOCATION	657.0425 Traffic Signal Standard Aluminum 15-FT EACH	657.0430 Traffic Signal Standard Aluminum 10-FT EACH	657.0595 Trombone Arms 25-FT EACH	658.0173 Traffic Signal Face 3S 12-Inch EACH	658.0174 Traffic Signal Face 4S 12-Inch EACH
CATEGORY 0010					
S70-0645 (STH 21 & OAKWOOD)	1	5	1	4	1
S70-0909 (STH 21 & WESTHAVEN)	1	5	1	4	1
CATEGORY TOTALS	2	10	2	8	2

TRAFFIC SIGNALS

LOCATION	658.0416 Pedestrian Signal Face 16-inch EACH	658.0500 Pedestrian Push Buttons EACH	658.5070 Signal Mounting Hardware S70-0645 (STH 21 & OAKWOOD) EACH	SPV.0060.03 Remove Traffic Signal S70-0645 (STH 21 & OAKWOOD) EACH	SPV.0060.04 Remove Traffic Signal S70-0645 (STH 21 & WESTHAVEN) EACH	659.5000.S Lamp, Ballast, LED, Switch Disposal by Contractor S70-0645 (STH 21 & OAKWOOD) EACH
CATEGORY 0010						
S70-0645 (STH 21 & OAKWOOD)	8	8	1	1	---	17
S70-0909 (STH 21 & WESTHAVEN)	8	8	1	---	1	17
CATEGORY TOTALS	16	16	2	1	1	34

3

Electrical Wire Traffic Signals 10 AWG

LOCATION		655.0515 (Equipment Grounding Conductor) (Green) LF
CATEGORY 0010		
FROM	TO	
S70-0645 (STH 21 & OAKWOOD)		
CB1	SB16	103
SB16	SB9	146
SB9	SB3	116
SB3	SB10	56
SB3	SB11	136
SB11	SB4	171
SB4	SB12	71
SB12	SB13	116
SB13	SB5	46
SB5	SB6	126
SB6	SB7	116
SB7	SB14	141
SB14	SB8	166
SB8	SB15	66
SB15	SB1	86
SB15	CB1	98
	CATEGORY SUBTOTAL	1,760

Electrical Wire Traffic Signals 10 AWG

LOCATION		655.0515 (Equipment Grounding Conductor) (Green) LF
CATEGORY 0010		
FROM	TO	
S70-0909 (STH 21 & WESTHAVEN)		
CB1	SB1	78
SB1	SB2	146
SB2	SB10	116
SB10	SB9	61
SB10	SB3	46
SB10	SB11	146
SB11	SB12	166
SB12	SB4	51
SB12	SB13	111
SB13	SB5	36
SB13	SB6	141
SB6	SB14	56
SB6	SB7	96
SB7	SB15	136
SB15	SB8	171
SB8	SB16	56
SB16	CB1	88
	CATEGORY SUBTOTAL	1,701
	CATEGORY TOTAL	3,461

Lighting Summary

LOCATION	657.0709 Luminaire Arms Truss Type 4-Inch Clamp 12-FT EACH	659.1120 Luminaires Utility LED-B EACH
CATEGORY 0010		
S70-0645 (STH 21 & OAKWOOD)	1	1
CATEGORY SUBTOTALS	1	1

Lighting Summary Cont.

LOCATION	657.0709 Luminaire Arms Truss Type 4-Inch Clamp 12-FT EACH	659.1120 Luminaires Utility LED-B EACH
CATEGORY 0010		
S70-0909 (STH 21 & WESTHAVEN)	1	1
CATEGORY SUBTOTALS	1	1
CATEGORY TOTALS	2	2

Signal Lighting Cable

FROM	TO	655.0305 Type UF 2-12 AWG Grounded LF
CATEGORY 0010		
S70-0645 (STH 21 & OAKWOOD)		
CB1	SB2	168
CB1	SB4	398
CB1	SB6	303
CB1	SB8	133
CATEGORY SUBTOTALS		1002

Signal Lighting Cable Cont.

FROM	TO	655.0305 Type UF 2-12 AWG Grounded LF
CATEGORY 0010		
S70-0909 (STH 21 & WESTHAVEN)		
CB1	SB2	153
CB1	SB4	398
CB1	SB6	303
CB1	SB8	83
CATEGORY SUBTOTALS		937
CATEGORY TOTALS		1939

Electrical Wire Lighting 12 AWG

FROM	TO	655.0610 LF
CATEGORY 0010		
S70-0645 (STH 21 & OAKWOOD)	120 Volt System	
SB2	LUMINAIRES	Use existing
SB4	LUMINAIRES	Use existing
SB6	LUMINAIRES	150
SB8	LUMINAIRES	Use existing
CATEGORY SUBTOTALS		150

Electrical Wire Lighting 12 AWG Cont.

FROM	TO	655.0610 LF
CATEGORY 0010		
S70-0909 (STH 21 & WESTHAVEN)	120 Volt System	
SB2	LUMINAIRES	Use existing
SB4	LUMINAIRES	Use existing
SB6	LUMINAIRES	150
SB8	LUMINAIRES	Use existing
CATEGORY SUBTOTALS		150
CATEGORY TOTALS		300

Pull Boxes, Non-Conductive

LOCATION	653.0164 * 24x42-Inch EACH
CATEGORY 0020	
STH 21 & Leonard Point Rd.	12

* QUANTITY SHOWN ELSEWHERE

Conduit Rigid Nonmetallic Schedule 40

LOCATION	FROM	TO	652.0225 2-Inch LF
CATEGORY 0020			
STH 21 & Leonard Point Rd.	CB1	PB1	15
	PB1	LB1	15
	PB1	PB2	95
	PB2	LB2	35
	LB2	LB3	100
	LB3	LB4	100
	LB4	LB5	100
	LB5	LB6	100
	PB2	PB3	50
	PB3	LB7	20
	PB3	PB4	40
	PB4	LB8	15
	PB4	PB5	60
	PB5	LB9	30
	PB5	PB6	65
	PB6	LB10	15
	PB6	PB7	40
	PB7	LB11	15
	PB7	PB8	85
	PB8	LB12	35
	LB12	LB13	105
	LB13	LB14	100
	LB14	LB15	100
	LB15	LB16	100
	LB16	LB17	100
	PB8	PB9	75
	PB9	LB18	15
	PB9	PB10	40
	PB10	LB19	15
	PB10	PB11	85
	PB11	LB20	35
	LB20	LB21	95
	PB11	PB12	55
	PB12	LB22	15
	PB12	PB1	40
		TOTAL	2,005

Concrete Bases

LOCATION		Alignment	Station	Offset	654.0105 Type 5 EACH	654.0220 Control Cabinet NER Type 10 EACH
CATEGORY 0020						
STH 21 & Leonard Point Rd.	CB1	STH 21 WB	734+64.82 WB	-101.52		1
	LB1	STH 21 WB	734+51.68 WB	-115.16	1	
	LB2	STH 21 WB	735+57.46 WB	-53.38	1	
	LB3	STH 21 WB	736+62.29 WB	-37.02	1	
	LB4	STH 21 WB	737+58.07 WB	-32.03	1	
	LB5	STH 21 WB	738+56.10 WB	-28.80	1	
	LB6	STH 21 WB	739+54.82 WB	-30.18	1	
	LB7	STH 21 EB	335+32.61 EB	-8.86	1	
	LB8	STH 21 EB	335+13.91 EB	50.24	1	
	LB9	STH 21 EB	334+74.09 EB	110.54	1	
	LB10	STH 21 EB	334+19.84 EB	92.85	1	
	LB11	STH 21 EB	333+54.13 EB	97.16	1	
	LB12	STH 21 EB	332+62.67 EB	53.32	1	
	LB13	STH 21 EB	331+44.81 EB	31.21	1	
	LB14	STH 21 EB	330+46.69 EB	23.63	1	
	LB15	STH 21 EB	329+48.28 EB	23.78	1	
	LB16	STH 21 EB	328+49.59 EB	23.01	1	
	LB17	STH 21 EB	327+50.85 EB	25.54	1	
	LB18	STH 21 EB	332+85.92 EB	-13.13	1	
	LB19	STH 21 WB	733+00.11 WB	-50.26	1	
	LB20	STH 21 WB	733+31.29 WB	-118.37	1	
	LB21	Leonard Pt Rd SB	915+34.28 SB	-38.18	1	
	LB22	STH 21 WB	733+93.00 WB	-104.82	1	
				Totals	22	1

Electrical Service

LOCATION	656.0201 * Meter Breaker Pedestal EACH
CATEGORY 0020	
STH 21 & Leonard Point Rd.	1

* ADDITIONAL QUANTITY SHOWN ELSEWHERE

Lighting Summary

LOCATION	657.0255 Transformer Bases Breakaway 11 1/2-Inch Bolt Circle EACH	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
CATEGORY 0020				
STH 21 & Leonard Point Rd.	22	22	22	22

Electrical Wire Lighting

STH 21 & Leonard Point Rd. (240 VOLT SYSTEM)			10AWG 655.0615 Ungrounded Conductor (see Circuit Color)	12AWG 655.0610 Ungrounded Conductor (Black)/(Red)	655.0610 Equipment Grounding Conductor (Green)
Circuit	FROM	TO	LF	LF	LF
CATEGORY 0020					
A (Black)	CB1	LB1	136		
	LB1	Luminaires		100	50
	CB1	LB2	396		
	LB2	Luminaires		100	50
	LB2	LB3	232		
	LB3	Luminaires		100	50
	LB3	LB4	232		
	LB4	Luminaires		100	50
	LB4	LB5	232		
	LB5	Luminaires		100	50
	LB5	LB6	232		
	LB6	Luminaires		100	50
B (Red)	CB1	LB7	496		
	LB7	Luminaires		100	50
	LB7	LB8	242		
	LB8	Luminaires		100	50
	LB8	LB9	302		
	LB9	Luminaires		100	50
	LB9	LB10	312		
	LB10	Luminaires		100	50
	LB10	LB11	232		
	LB11	Luminaires		100	50
C (Blue)	CB1	LB12	916		
	LB12	Luminaires		100	50
	LB12	LB13	242		
	LB13	Luminaires		100	50
	LB13	LB14	232		
	LB14	Luminaires		100	50
	LB14	LB15	232		
	LB15	Luminaires		100	50
	LB15	LB16	232		
	LB16	Luminaires		100	50
	LB16	LB17	232		
	LB17	Luminaires		100	50
D (Brown)	CB1	LB22	246		
	LB22	Luminaires		100	50
	LB22	LB20	302		
	LB20	Luminaires		100	50
	LB20	LB21	222		
	LB21	Luminaires		100	50
	LB20	LB19	362		
	LB19	Luminaires		100	50
		SUB-TOTALS	6,262	2,100	1,050
		TOTAL	9,299	3,150	

Electrical Wire Lighting 10AWG

(240 VOLT SYSTEM)			655.0615 Equipment Grounding Conductor (Green)
LOCATION	FROM	TO	LF
STH 21 & Leonard Point Rd.	CATEGORY 0020		
	CB1	LB1	68
	LB1	LB2	191
	LB2	LB3	116
	LB3	LB4	116
	LB4	LB5	116
	LB5	LB6	116
	LB2	LB7	151
	LB7	LB8	121
	LB8	LB9	151
	LB9	LB10	156
	LB10	LB11	116
	LB11	LB12	181
	LB12	LB13	121
	LB13	LB14	116
	LB14	LB15	116
	LB15	LB16	116
	LB16	LB17	116
	LB12	LB18	171
	LB18	LB19	116
	LB19	LB20	181
	LB20	LB21	111
	LB20	LB22	151
	LB22	CB1	123
		SUBTOTAL	3,037

3

CONSTRUCTION STAKING

STATION TO STATION	ROADWAY	650.4500 SUBGRADE LF	650.5000 BASE LF	650.5500 CURB GUTTER AND CURB & GUTTER LF	650.6000 PIPE CULVERTS EACH	650.9000 CURB RAMPS EACH	650.9500 SIDEWALK (6180-31-71) EACH	650.9911 SUPPLEMENTAL CONTROL (6180-31-71) EACH	650.9920 SLOPE STAKES LF
CATEGORY 0010									
349+00 - 363+00	STH 21 EB	790	790	---	---	---	---	---	790
752+00 - 764+50	STH 21 WB	890	890	---	---	---	---	---	890
386+47 - 795+20	OAKWOOD RD	720	720	1,512	---	12	---	---	720
415+50 - 422+80	WESTHAVEN DR	890	890	1,658	---	12	---	---	890
PROJECT WIDE		---	---	---	---	---	1	1	---
PROJECT 0010 TOTAL		3,290	3,290	3,170	0	24	1	1	3,290
CATEGORY 0020									
317+59 - 333+09	RAB WEST LEG	2,355	2,355	1,460	6	4	---	---	2,355
810+51 - 811+75	RAB SOUTH LEG	270	270	475	---	4	---	---	270
913+72 - 814+52	RAB NORTH LEG	170	170	474	---	4	---	---	170
334+98 - 340+57	RAB EAST LEG	1,100	1,100	1,111	---	4	---	---	1,100
	RAB	410	410	728	---	---	---	---	410
814+52 - 817+34	LEONARD POINT RD	565	565	506	---	---	---	---	565
10+27 - 11+40	OMRO RD	140	140	150	---	4	---	---	140
PROJECT 0010 TOTAL		5,010	5,010	4,904	6	20	0	0	5,010
PROJECT TOTAL		8,300	8,300	8,074	6	44	1	1	8,300

REMOVING PULL BOXES

ROADWAY	STATION	OFFSET		653.0905 * REMOVING PULL BOXES EACH
PROJECT 6180-31-71				
CATEGORY 0020				
STH 21 EB	341+77	16'	LT	1
STH 21 EB	341+80	77'	LT	1
STH 21 EB	326+10	28'	LT	1
STH 21 EB	329+08	62'	LT	1
STH 21 EB	331+44	33'	LT	1
RAB CENTER ISLAND	---	---	LT	1
LEONARD PT NB	814+02	11'	RT	1
STH 21 EB	336+85	106'	LT	1
STH 21 EB	339+08	77'	LT	1
CATEGORY 0020 TOTAL				9
PROJECT TOTAL				9

* QUANTITY SHOWN ELSEWHERE

SAW CUTTING

STATION TO STATION	LOCATION	690.0150 SAWING ASPHALT LF	690.0250 * SAWING CONCRETE LF
CATEGORY 0010			
349+00 - 363+00	STH 21 EB	50	---
752+00 - 764+50	STH 21 WB	50	---
386+47 - 795+20	OAKWOOD RD	214	589
415+50 - 422+80	WESTHAVEN DR	127	1,482
CATEGORY 0010 TOTAL		441	2,071
CATEGORY 0020			
317+59 - 333+09	RAB WEST LEG	66	---
810+51 - 811+75	RAB SOUTH LEG	---	---
913+72 - 814+52	RAB NORTH LEG	---	---
334+98 - 340+57	RAB EAST LEG	64	---
814+52 - 817+34	LEONARD POINT RD	37	---
10+27 - 11+40	OMRO RD	37	---
CATEGORY 0020 TOTAL		204	0
PROJECT TOTALS		645	2,071

*ADDITIONAL QUANTITIES LOCATED IN CONCRETE PAVEMENT REPAIR AND REPLACEMENT TABLE.

CONCRETE JOINT AND CRACK CLEANING AND REPAIR

STATION TO STATION	LOCATION	SPV.0090.01 LF	COMMENT
CATEGORY 0010			
340+18 - 430+90	STH 21 EB	9,072	MAINLINE
352+28 - 359+03	STH 21 EB	675	CREEKSIDE DR LT TURN LANE
369+70 - 373+50	STH 21 EB	380	HONEY CREEK LT TURN LANE
369+99 - 373+79	STH 21 EB	380	HONEY CREE RT TURN LANE
385+90 - 392+35	STH 21 EB	645	OAKWOOD DR RT TURN LANE
410+85 - 418+95	STH 21 EB	810	WESTHAVEN DR RT TURN LANE
740+67 - 831+29	STH 21 WB	9,062	MAINLINE
756+76 - 760+71	STH 21 WB	395	CREEKSIDE DR LT TURN LANE
771+00 - 774+80	STH 21 WB	380	HONEY CREEK LT TURN LANE
771+30 - 775+10	STH 21 WB	380	HONEY CREE RT TURN LANE
789+35 - 795+75	STH 21 WB	640	OAKWOOD DR RT TURN LANE
815+20 - 819+35	STH 21 WB	415	WESTHAVEN DR RT TURN LANE
PROJECT TOTAL		23,234	

DITCH REGRADING

STATION TO STATION	LOCATION	SPV.0090.02 LF
CATEGORY 0010		
417+50 - 427+15	STH 21 EB	965
PROJECT TOTAL		965

CONTAMINATED SOILS

STATION TO STATION	ROADWAY	SPV.0195.01 EXCAVATION, HAULING, AND DISPOSAL OF METAL CONTAMINATED SOIL TON
PROJECT 6180-31-71		
CATEGORY 0020		
UNDISTRIBUTED	STH 21	2,200
PROJECT TOTALS		2,200

TRANSPORTATION PROJECT PLAT NO: 6180-31-20 - 4.01

PART OF LOT 11 OF KOELLER SUBDIVISION IN THE SOUTHEAST 1/4 OF THE NORTHEAST 1/4; PART OF LOT 1, CSM 4109 BEING LOCATED IN AND INCLUDING PART OF THE NORTHEAST 1/4 OF THE SOUTHEAST 1/4; ALL LOCATED IN SECTION 18, T18N, R16E, TOWN OF ALGOMA, WINNEBAGO COUNTY, WISCONSIN.

RELOCATION ORDER STH 21 OMRO - OSHKOSH LEONARD POINT RD - WASHBURN ST. TOWN OF ALGOMA WINNEBAGO 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 NAMED PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SUBSECTIONS 84.02 (3), 84.09 AND 84.30, 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 NAMED 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 STATUES.

UTILITY NUMBER	OWNER	INTERESTS REQUIRED
92	AT&T WISCONSIN	RELEASE OF RIGHTS

92 AT&T
DOC 546049 - TXR 1
DOC 586402 - CERTIFICATE OF REMEDY

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN IS BASED UPON THE FOLLOWING POINTS OF REFERENCE:

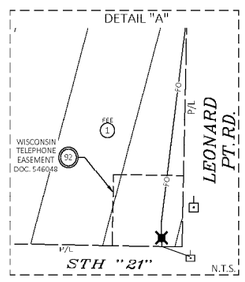
EXISTING HIGHWAY RIGHT-OF-WAY FOR STH 21 IS BASED ON RW PROJECT PLAT NUMBER 6184-3-21 AND 6180-22-00
EXISTING HIGHWAY RIGHT-OF-WAY FOR LEONARD POINT ROAD IS BASED ON KOELLER SUBDIVISION
EXISTING HIGHWAY RIGHT-OF-WAY FOR PIERCE LANE IS BASED ON KOELLER SUBDIVISION

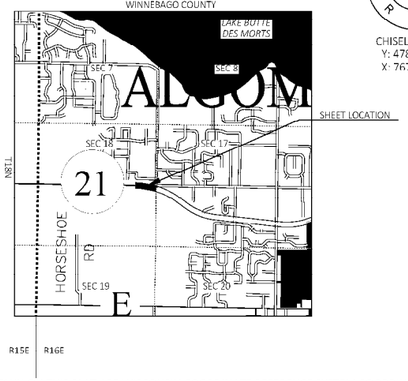
TLE NOTE: ALL TEMPORARY LIMITED EASEMENTS ON THIS TRANSPORTATION PROJECT PLAT ARE FOR SLOPING AND CONSTRUCTION PURPOSES.

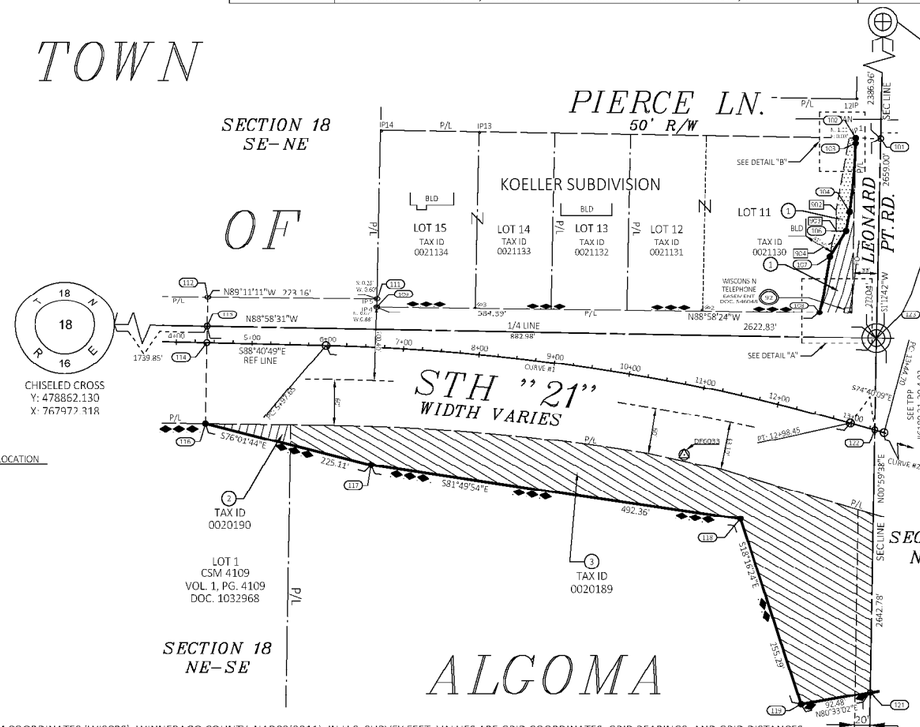
SCHEDULE OF LANDS AND INTERESTS REQUIRED

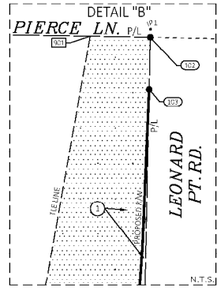
OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT.

PARCEL NUMBER	OWNER(S)	INTEREST(S) REQUIRED	FEE R/W AREA REQUIRED - SF NEW	FEE R/W AREA REQUIRED - SF EXISTING	FEE R/W AREA REQUIRED - SF TOTAL	TLE SF REQUIRED	HE SF REQUIRED
1	TRUST AGREEMENT OF IRVIN K. AND DEANNA D. KORTH	FEE, TLE	4124	-	4124	2035	-
2	RUSCH STORAGE AND APARTMENTS, LLC	FEE	1481	-	1481	-	-
3	CASTLE ROCK LAND COMPANY, LLC AND SHARON INVESTMENT & HOLDING COMPANY, LLC	HE	-	-	-	-	72087









GN

SCALE, FEET
0 100 200

DOC# 1919420
NATALIE STROHMEYER
REGISTER OF DEEDS
WINNEBAGO COUNTY, WI
RECORDED ON:
03/14/2024 01:03 PM
RECORDING FEE: 25.00
PAGES: 1

****The above recording information verifies that this document has been electronically recorded and returned to the submitter****

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER: 6180-31-20- 4.01
AMENDMENT NO:

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
R/W POINT
TLE POINT

SECTION CORNER SYMBOL
SECTION CORNER MONUMENT
GEODETIC SURVEY MONUMENT
SIXTEENTH CORNER MONUMENT
SIGN
OFF-PREMISE SIGN

R/W MONUMENT (TO BE SET)
NON-MONUMENTED R/W POINT
FOUND IRON PIN (1-INCH UNLESS NOTED) IP
CHISELED "X" IN CONCRETE (TO BE SET)

	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 UTILITY SYMBOLS

WATER
GAS
TELEPHONE
OVERHEAD TRANSMISSION LINES
ELECTRIC
CABLE TELEVISION
FIBER OPTIC
SANITARY SEWER
STORM SEWER
ELECTRIC TOWER

CONVENTIONAL ABBREVIATIONS

ACCESS RIGHTS	AR	POINT OF COMPOUND CURVE	PCC
ACRES	AC	POINT OF INTERSECTION	PI
AHEAD	AH	PROPERTY LINE	PL
ALUMINUM	ALUM	RECORDED AS	(100')
AND OTHERS	ET AL	REEL / IMAGE	R/I
BACK	BK	REFERENCE LINE	R/L
BLOCK	BLK	REMAINING	REM
CENTERLINE	C/L	RESTRICTIVE DEVELOPMENT EASEMENT	RDE
CERTIFIED SURVEY MAP	CSM	RIGHT	RT
CONCRETE	CONC	RIGHT OF WAY	R/W
COUNTY	CO	SECTION	SEC
COUNTY TRUNK HIGHWAY	CTH	SEPTIC VENT	SEPV
DISTANCE	DIST	SQUARE FEET	SF
CORNER	COR	STATE TRUNK HIGHWAY	STH
DOCUMENT NUMBER	DOC	STATION	STA
EASEMENT	EASE	TELEPHONE PEDESTAL	TP
EXISTING	EX	TEMPORARY LIMITED EASEMENT	TLE
GAS VALVE	GV	TRANSPORTATION PROJECT PLAT	TPP
GRID NORTH	GN	UNITED STATES HIGHWAY	USH
HIGHWAY EASEMENT	HE	VOLUME	V
IDENTIFICATION	ID		
LAND CONTRACT	LC		
LEFT	LT		
MONUMENT	MON		
NATIONAL GEODETIC SURVEY NUMBER	NGS		
OUTLOT	NO		
PAGE	OL		
POINT OF TANGENCY	P		
PERMANENT LIMITED EASEMENT	PT		
POINT OF BEGINNING	PLE		
POINT OF CURVATURE	POB		
	PC		

CURVE DATA ABBREVIATIONS

LONG CHORD	LCH
LONG CHORD BEARING	LCB
RADIUS	R
DEGREE OF CURVE	D
CENTRAL ANGLE	Δ /DELTA
LENGTH OF CURVE	L
TANGENT	T
DIRECTION AHEAD	DA
DIRECTION BACK	DB

CURVE #1
PI STATION = 9+49.80
PI Y = 478797.142
PI X = 770220.773
DELTA = 14°00'40" RT
D = 1°59'57"
T = 352.16'
L = 700.80'
R = 2865.79'
PC STA = 5+97.65
PC Y = 478805.253
PC X = 769868.711
PT STA = 12+98.45
PT Y = 478704.035
PT X = 770560.397

CURVE #2
PI STATION = 18+84.51
PI Y = 478549.085
PI X = 771125.605
DELTA = 21°01'45" RT
D = 1°58'12"
T = 539.81'
L = 1067.47'
R = 2908.40'
PC STA = 13+44.70
PC Y = 478691.805
PC X = 770605.008
PT STA = 24+12.17
PT Y = 478229.056
PT X = 771560.315
DA = 553°38'24"E

LINE TABLE		
LINE #	DIRECTION	LENGTH
101-102	N88° 47' 19"W	33.00'
102-103	S01° 12' 42"W	7.47'
104-106	S10° 39' 54"W	25.72'
106-107	S32° 15' 30"W	40.05'
107-108	S09° 20' 27"W	83.77'
109-111	N01° 12' 42"E	15.09'
112-113	S01° 01' 29"W	47.19'
113-114	S01° 01' 29"W	22.14'
114-116	S01° 01' 29"W	105.67'
121-122	N00° 59' 38"E	343.56'
122-123	N00° 59' 38"E	120.05'
123-101	N01° 12' 42"E	272.04'

POINT TABLE		
POINT	STA	OFFSET
101	12+43.14	380.73' LT
102	12+14.69	373.46' LT
103	12+16.12	366.17' LT
104	12+28.48	277.75' LT
106	12+29.83	252.07' LT
107	12+18.13	214.07' LT
108	12+24.26	130.55' LT
109	6+61.94	56.95' LT
111	6+61.58	72.04' LT
112	4+40.03	69.33' LT
113	4+40.27	22.14' LT
114	4+40.39	0.00' RT
116	4+40.93	105.66' RT
117	6+64.16	154.24' RT
118	11+85.49	156.89' RT
119	13+33.00	371.62' RT
121	14+26.28	331.85' RT
122	13+31.88	0.00' RT
123	13+02.16	116.31' LT

TLE POINT TABLE		
POINT	STA	OFFSET
901	12+07.27	371.58' LT
902	12+12.35	275.31' LT
903	12+17.71	250.19' LT
904	12+16.74	233.72' LT

FOUND MONUMENT TABLE			
POINT #	Y	X	DESCRIPTION
1	479089.011	770567.523	1-7/8" IRON PIPE
2	478854.432	770364.766	1-1/4" IRON PIPE (BENT)
3	478658.350	770065.472	1" IRON PIPE (BENT)
4	478860.013	769934.666	2" IRON PIPE
5	478874.775	769935.266	3/4" IRON REBAR
12	479138.060	770569.117	1-7/8" IRON PIPE
13	479095.095	770071.156	1-1/4" IRON PIPE
14	479097.078	769941.871	2-1/4" IRON PIPE

CURVE TABLE					
CURVE	LENGTH	RADIUS	DELTA	CHORD LENGTH	CHORD BEARING
103-104	89.53'	766.16'	6°41'44"	89.48'	S04° 58' 08"W

NGS MONUMENT TABLE		
TYPE	Y	X
DF6033	478662.388	770341.159

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), WINNEBAGO 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 1-INCH X 24-INCH IRON PIPE), UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

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.

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.

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.

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 TLE 'S IN THIS PLAT EXPIRE AT THE COMPLETION OF THE CONSTRUCTION PROJECT FOR WHICH THIS INSTRUMENT IS GIVEN.

ACCESS CONTROL PER PROJECT 6184-2-01.

FOR THE CURRENT ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN GREEN BAY.

PARCEL AND UTILITY IDENTIFICATION NUMBERS MAY NOT POINT TO ALL AREAS OF ACQUISITION, AS NOTED ON THE TPP DETAIL PAGES.

FOUND MONUMENT INFORMATION SHOWN REPRESENTS TYPE AND LOCATION OF EXISTING MONUMENTS WITHOUT OPINION AS TO THEIR VALIDITY AND USE AS A PROPERTY CORNER.

Westwood
Phone (920) 735-6900
Fax (920) 830-6100
Toll Free (800) 627-6677
Westwood Infrastructure, Inc.
One Systems Drive
Appleton, WI 54914-1654
wwhsnnpls.com

I, TERRY L. VAN HOUT, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUES AND UNDER THE DIRECTION OF THE DEPARTMENT, I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT 6180-31-20-4.01 AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

SIGNATURE: _____ DATE: 03-12-2024
PRINT NAME: TERRY L. VAN HOUT
REGISTRATION NUMBER: S-2526

WISCONSIN TERRY L. VAN HOUT S-2526 GREEN BAY, WI LAND SURVEYOR

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE DEPARTMENT

SIGNATURE: _____ DATE: 3-12-2024
PRINT NAME: MARK KRAUSE 172

FILE NAME : N:\3001455.00\CIVIL 3D\RW\STH 21 - TPP - 61803120.DWG
APPRAISAL PLAT DATE : 03-12-2024
PLOT DATE : 3/13/2024 7:08 AM PLOT BY : ETHAN KARLS PLOT NAME : PLOT SCALE :

TRANSPORTATION PROJECT PLAT NO: 6180-31-20 - 4.02

PART OF THE NORTHWEST 1/4 OF THE SOUTHWEST 1/4 AND PART OF THE SOUTHWEST 1/4 OF THE NORTHWEST 1/4, ALL LOCATED IN SECTION 17, T18N, R16E, TOWN OF ALGOMA, WINNEBAGO COUNTY, WISCONSIN.

RELOCATION ORDER STH 21 OMRO - OSHKOSH LEONARD POINT RD - WASHBURN ST. TOWN OF ALGOMA WINNEBAGO 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 NAMED PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SUBSECTIONS 84.02 (3), 84.09 AND 84.30, 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 NAMED 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 STATUES.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN IS BASED UPON THE FOLLOWING POINTS OF REFERENCE:

EXISTING HIGHWAY RIGHT-OF-WAY FOR STH 21 IS BASED ON RW PROJECT PLAT NUMBER 6180-22-00

EXISTING HIGHWAY RIGHT-OF-WAY FOR LEONARD POINT ROAD IS BASED ON KOELLER SUBDIVISION AND CSM NO. 2430

EXISTING HIGHWAY RIGHT-OF-WAY FOR OMRO ROAD IS BASED ON CSM NO. 2430 AND DOC. 1836356

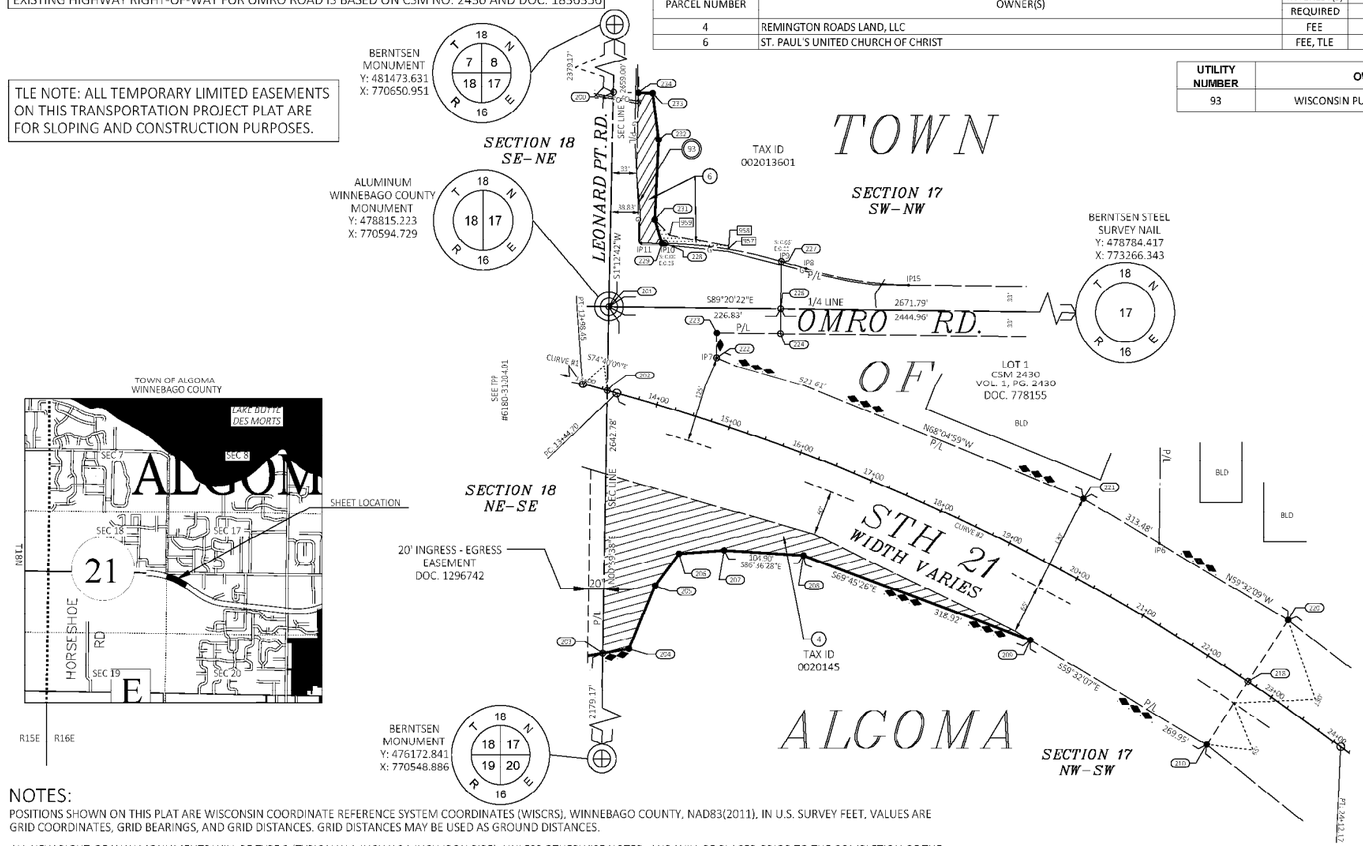
TLE NOTE: ALL TEMPORARY LIMITED EASEMENTS ON THIS TRANSPORTATION PROJECT PLAT ARE FOR SLOPING AND CONSTRUCTION PURPOSES.

SCHEDULE OF LANDS AND INTERESTS REQUIRED

OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT.

PARCEL NUMBER	OWNER(S)	INTEREST(S) REQUIRED	FEE R/W AREA REQUIRED - SF NEW	EXISTING	TOTAL	TLE ACRES REQUIRED	HE SF REQUIRED
4	REMINGTON ROADS LAND, LLC	FEE	30460	-	30460	-	-
6	ST. PAUL'S UNITED CHURCH OF CHRIST	FEE, TLE	4793	-	4793	800	-

UTILITY NUMBER	OWNER	INTERESTS REQUIRED
93	WISCONSIN PUBLIC SERVICE (GAS)	RELEASE OF RIGHTS



FOUND MONUMENT TABLE			
POINT #	Y	X	DESCRIPTION
6	478494.394	771320.851	3/4" IRON REBAR
7	478748.005	770736.417	3/4" IRON REBAR
8	478864.238	770854.748	3/4" IRON REBAR
9	478873.930	770822.354	3/4" IRON REBAR
10	478897.373	770668.848	3/4" IRON REBAR
11	478897.723	770637.292	3/4" IRON REBAR
15	478843.683	770990.104	3/4" IRON REBAR

CURVE #1
PI STATION = 9+49.80
PI Y = 478797.142
PI X = 770220.773
DELTA = 14°00'40" RT
D = 1°59'57"
T = 352.16'
L = 700.80'
R = 2865.79'
PC STA = 5+97.65
PC Y = 478805.253
PC X = 769868.711
PT STA = 12+98.45
PT Y = 478704.035
PT X = 770560.397
DB = N88°40'49"W

CURVE #2
PI STATION = 18+84.51
PI Y = 478549.085
PI X = 771125.605
DELTA = 21°01'45" RT
D = 1°58'12"
T = 539.81'
L = 1067.47'
R = 2908.40'
PC STA = 13+44.70
PC Y = 478691.805
PC X = 770605.008
PT STA = 24+12.17
PT Y = 478229.056
PT X = 771560.315
DA = S53°38'24"E

POINT TABLE		
POINT	STA	OFFSET
200	12+41.60	388.32' LT
201	13+02.16	116.31' LT
202	13+31.88	0.00' RT
203	14+26.28	331.85' RT
204	14+61.47	316.10' RT
205	14+70.17	227.13' RT
206	14+88.55	178.00' RT
207	15+46.88	154.96' RT
208	16+52.29	124.35' RT
209	19+83.19	99.81' RT
210	22+62.79	98.87' RT
218	22+62.86	0.00' RT
220	22+62.92	96.13' LT

POINT TABLE		
POINT	STA	OFFSET
221	19+59.34	96.32' LT
222	14+53.42	91.39' LT
223	14+44.49	122.33' LT
224	15+21.12	147.45' LT
226	15+11.44	178.83' LT
227	14+93.94	237.28' LT
228	13+51.29	215.10' LT
229	13+48.00	214.17' LT
231	13+30.65	241.77' LT
232	13+07.89	344.16' LT
233	12+86.15	400.41' LT
234	12+69.85	395.88' LT

CURVE TABLE					
CURVE	LENGTH	RADIUS	DELTA	CHORD LENGTH	CHORD BEARING
227-228	155.83'	558.00'	16°00'01"	155.32'	N81° 20' 22"W

LINE TABLE		
LINE #	DIRECTION	LENGTH
200-201	S01° 12' 42"W	279.83'
201-202	S00° 59' 38"W	120.05'
202-203	S00° 59' 38"W	343.56'
203-204	N80° 33' 02"E	35.02'
204-205	N22° 47' 04"E	89.31'
205-206	N37° 10' 09"E	52.03'
206-207	N86° 00' 37"E	59.62'
210-218	N33° 27' 21"E	98.87'
218-220	N33° 27' 21"E	96.13'
222-223	N00° 43' 27"E	32.20'
223-224	S89° 24' 08"E	84.02'
224-226	N00° 39' 38"E	33.00'
226-227	N00° 39' 38"E	61.38'
228-229	N89° 21' 18"W	3.66'
229-231	N17° 10' 21"W	32.74'
231-232	N02° 47' 46"E	104.88'
232-233	N07° 18' 37"W	60.91'
233-234	N88° 46' 15"W	19.11'
234-200	N88° 46' 15"W	33.00'

TLE POINT TABLE		
POINT	STA	OFFSET
957	14+27.63	231.45' LT
958	14+27.12	235.38' LT
959	13+54.01	227.80' LT

CONVENTIONAL UTILITY SYMBOLS

WATER — W
GAS — G
TELEPHONE — T
OVERHEAD TRANSMISSION LINES — OT
ELECTRIC — E
CABLE TELEVISION — TV
FIBER OPTIC — FO
SANITARY SEWER — SAN
STORM SEWER — ST
ELECTRIC TOWER

GN

SCALE, FEET
0 100 200

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER: 6180-31-20- 4.02
AMENDMENT NO:

DOC# 1919421
NATALIE STROHMEYER
REGISTER OF DEEDS
WINNEBAGO COUNTY, WI
RECORDED ON:
03/14/2024 01:03 PM
RECORDING FEE: 25.00
PAGES: 1

****The above recording information verifies that this document has been electronically recorded and returned to the submitter****

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
R/W POINT
TLE POINT
ACCESS RIGHTS

SECTION CORNER SYMBOL
SECTION CORNER MONUMENT
GEODETIC SURVEY MONUMENT
SIXTEENTH CORNER MONUMENT
SIGN
OFF-PREMISE SIGN

R/W MONUMENT (TO BE SET)
NON-MONUMENTED R/W POINT
FOUND IRON PIN (1-INCH UNLESS NOTED)
CHISELED "X" IN CONCRETE (TO BE SET)

	COMPENSABLE	NON-COMPENSABLE
ELECTRIC POLE	■	⏚
TELEPHONE POLE	◢	◢
PEDESTAL (LABEL TYPE) (TV, TEL, ELEC, ETC.)	✕	✕

ACCESS RESTRICTED BY ACQUISITION
NO ACCESS (BY STATUTORY AUTHORITY)
ACCESS RESTRICTED (BY PREVIOUS PROJECT OR CONTROL)
NO ACCESS (NEW HIGHWAY)
PARCEL NUMBER 25 — UTILITY NUMBER 40
PARALLEL OFFSETS

CONVENTIONAL ABBREVIATIONS

ACCESS RIGHTS	AR	POINT OF COMPOUND CURVE	PCC
ACRES	AC	POINT OF INTERSECTION	PI
AHEAD	AH	PROPERTY LINE	PL
ALUMINUM	ALUM	RECORDED AS	(100')
AND OTHERS	ET AL	REEL / IMAGE	R/I
BACK	BK	REFERENCE LINE	R/L
BLOCK	BLK	REMAINING	REM
CENTERLINE	C/L	RESTRICTIVE DEVELOPMENT EASEMENT	RDE
CERTIFIED SURVEY MAP	CSM	RIGHT	RT
CONCRETE	CONC	RIGHT OF WAY	R/W
COUNTY	CO	SECTION	SEC
COUNTY TRUNK HIGHWAY	CTH	SEPTIC VENT	SEPV
DISTANCE	DIST	SQUARE FEET	SF
CORNER	COR	STATE TRUNK HIGHWAY	STH
DOCUMENT NUMBER	DOC	STATION	STA
EASEMENT	EASE	TELEPHONE PEDESTAL	TP
EXISTING	EX	TEMPORARY LIMITED EASEMENT	TLE
GAS VALVE	GV	TRANSPORTATION PROJECT PLAT	TPP
GRID NORTH	GN	UNITED STATES HIGHWAY	USH
HIGHWAY EASEMENT	HE	VOLUME	V
IDENTIFICATION	ID		
LAND CONTRACT	LC		
LEFT	LT		
MONUMENT	MON		
NATIONAL GEODETIC SURVEY	NGS		
NUMBER	NO		
OUTLOT	OL		
PAGE	P		
POINT OF TANGENCY	PT		
PERMANENT LIMITED EASEMENT	PLE		
POINT OF BEGINNING	POB		
POINT OF CURVATURE	PC		

CURVE DATA ABBREVIATIONS

LONG CHORD	LCH
LONG CHORD BEARING	LCB
RADIUS	R
DEGREE OF CURVE	D
CENTRAL ANGLE	Δ/DELTA
LENGTH OF CURVE	L
TANGENT	T
DIRECTION AHEAD	DA
DIRECTION BACK	DB

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), WINNEBAGO 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 1-INCH X 24-INCH IRON PIPE), UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

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.

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 TLE 'S IN THIS PLAT EXPIRE AT THE COMPLETION OF THE CONSTRUCTION PROJECT FOR WHICH THIS INSTRUMENT IS GIVEN.

ACCESS CONTROL PER PROJECT 6184-2-01.

FOR THE CURRENT ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN GREEN BAY.

PARCEL AND UTILITY IDENTIFICATION NUMBERS MAY NOT POINT TO ALL AREAS OF ACQUISITION, AS NOTED ON THE TPP DETAIL PAGES.

FOUND MONUMENT INFORMATION SHOWN REPRESENTS TYPE AND LOCATION OF EXISTING MONUMENTS WITHOUT OPINION AS TO THEIR VALIDITY AND USE AS A PROPERTY CORNER.

Westwood
Phone (920) 735-6900 Fax (920) 830-6100 Toll Free (800) 571-6677
One Systems Drive Appleton, WI 54914-1654 westwoodps.com
Westwood Infrastructure, Inc.

I, TERRY L. VAN HOUT, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUES AND UNDER THE DIRECTION OF THE DEPARTMENT, I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT 6180-31-20-4.02 AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

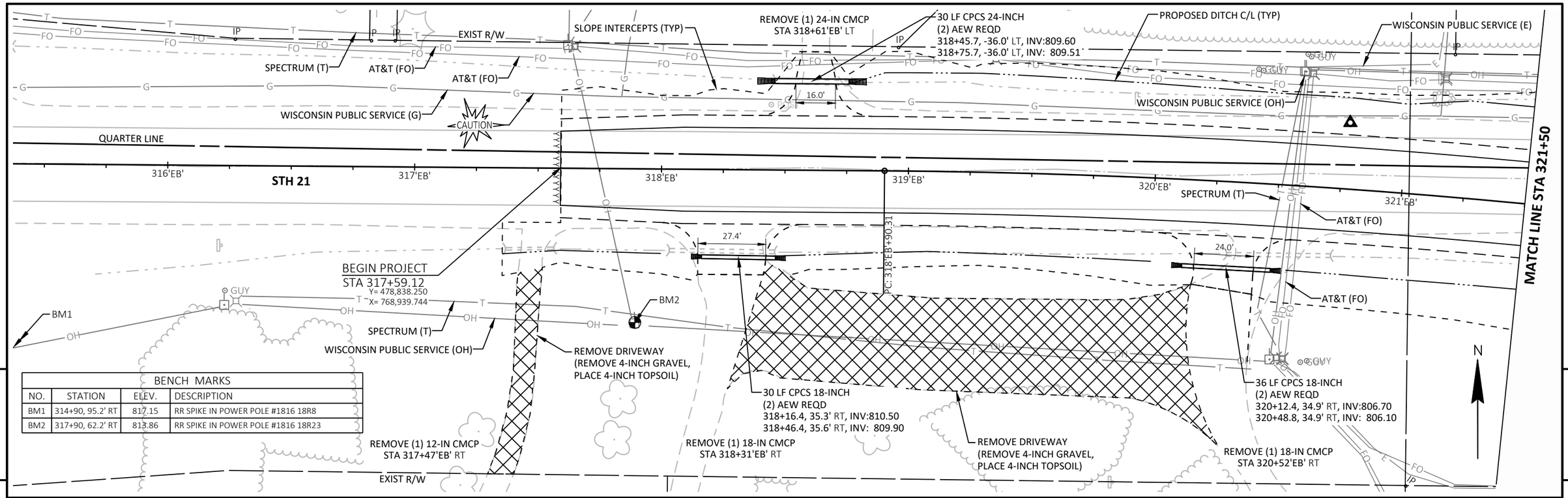
SIGNATURE: _____ DATE: 03-12-2024
PRINT NAME: TERRY L. VAN HOUT
REGISTRATION NUMBER: S-2526

WISCONSIN TERRY L. VAN HOUT S-2526 GREEN BAY, WI LAND SURVEYOR

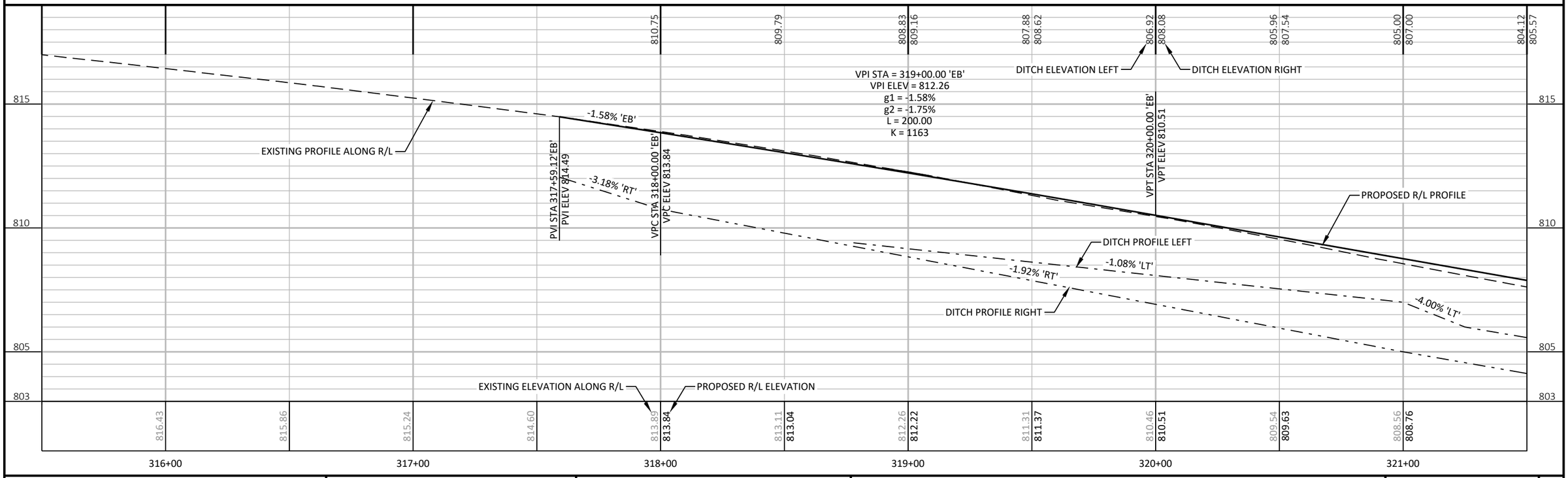
THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE DEPARTMENT

SIGNATURE: _____ DATE: 3-12-2024
PRINT NAME: MARK KRAUSE 173

FILE NAME : N:\3001455.00\CIVIL 3D\RW\STH 21 - TPP - 61803120.DWG
APPRAISAL PLAT DATE : 03-12-2024
PLOT DATE : 3/12/2024 4:11 PM
PLOT BY : ETHAN KARLS
PLOT NAME :
PLOT SCALE :



BENCH MARKS			
NO.	STATION	ELEV.	DESCRIPTION
BM1	314+90, 95.2' RT	817.15	RR SPIKE IN POWER POLE #1816 18R8
BM2	317+90, 62.2' RT	813.86	RR SPIKE IN POWER POLE #1816 18R23



PROJECT NO: 6180-31-71	HWY: STH 21	COUNTY: WINNEBAGO	PLAN AND PROFILE: STH 21 EASTBOUND	SHEET 174 E

BENCH MARKS			
NO.	STATION	ELEV.	DESCRIPTION
BM3	322+27, -56.6' LT	808.79	RR SPIKE IN POWER POLE #1816 18E45

N

MATCH LINE STA 321+50

MATCH LINE STA 327+50

REMOVE (1) 24-IN CMCP
STA 324+21'EB' LT

40 LF CPCS 18-INCH
(2) AEW REQD
323+99.9, -38.3' LT, INV:801.30
324+39.4, -38.3' LT, INV: 800.70

WISCONSIN PUBLIC SERVICE (OH)

AT&T (FO)

SPECTRUM (FO)

SPECTRUM (T)

EXIST R/W

BM3

SPECTRUM (FO)

SPECTRUM (FO)

QUARTER LINE

CAUTION

WISCONSIN PUBLIC SERVICE (G)

WDOT TRAFFIC CONTROL
BEACON (E)

20.0'

BP: 725'WB'+20.28

PC: 726'WB'+34.26

322'EB'

323'EB'

324'EB'

325'EB'

726'WB'
326'EB'

727'WB'
327'EB'

STH 21

APPROXIMATE LIMITS OF
CONTAMINATED SOILS

20.0'

STH 21 EB, 325+20.28
STH 21 WB, 725+20.28

PT: 326'EB'+51.98

40 LF CPCS 18-INCH
(2) AEW REQD
323+52.0, 34.0' RT, INV:800.80
323+92.4, 33.9' RT, INV: 800.20

REMOVE (1) 18-IN CMCP
STA 323+68'EB' RT

EXIST R/W

R/W

804.12 805.57 | 803.25 804.72 | 802.38 803.86 | 801.50 803.01 | 800.62 802.15 | 799.75 801.30 | 798.88 800.34 | 798.00 799.39 | 797.12 | 796.25 | 795.38 | 794.50 | 793.48

DITCH ELEVATION LEFT

DITCH ELEVATION RIGHT

-1.75% 'EB'

-1.71% 'LT'

PROPOSED R/L PROFILE

VPC STA 325+00.00 'EB'
VPC ELEV 801.75

VPI STA = 326+00.00 'EB'
VPI ELEV = 800.00
g1 = -1.75%
g2 = -2.17%
L = 200.00
K = 481

-1.91% 'LT'

VPT STA 327+00.00 'EB'
VPT ELEV 797.83

DITCH PROFILE RIGHT

DITCH PROFILE LEFT

EXISTING PROFILE ALONG R/L

EXISTING ELEVATION ALONG R/L

PROPOSED R/L ELEVATION

806.67 807.01 | 805.71 806.13 | 804.92 805.25 | 803.47 804.38 | 801.94 803.50 | 801.37 802.63 | 801.36 801.75 | 801.28 800.85 | 800.66 799.90 | 799.85 798.89 | 796.79 797.83

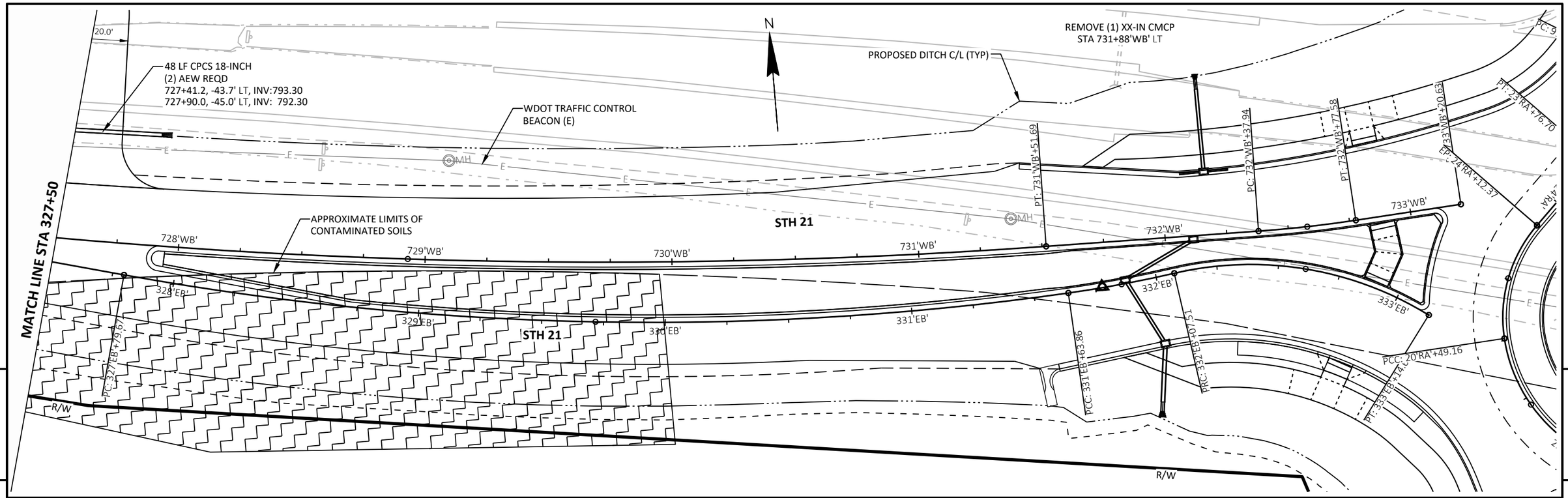
322+00 323+00 324+00 325+00 326+00 327+00

PROJECT NO: 6180-31-71	HWY: STH 21	COUNTY: WINNEBAGO	PLAN AND PROFILE: STH 21 EASTBOUND	SHEET 175 E

FILE NAME : N:\3001455.00\CIVIL 3D\SHEETS\61803171-050101-PP.DWG
LAYOUT NAME - 61803171-050102-pp

PLOT DATE : 4/11/2025 6:38 AM PLOT BY : MATT TOMSOVIC PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

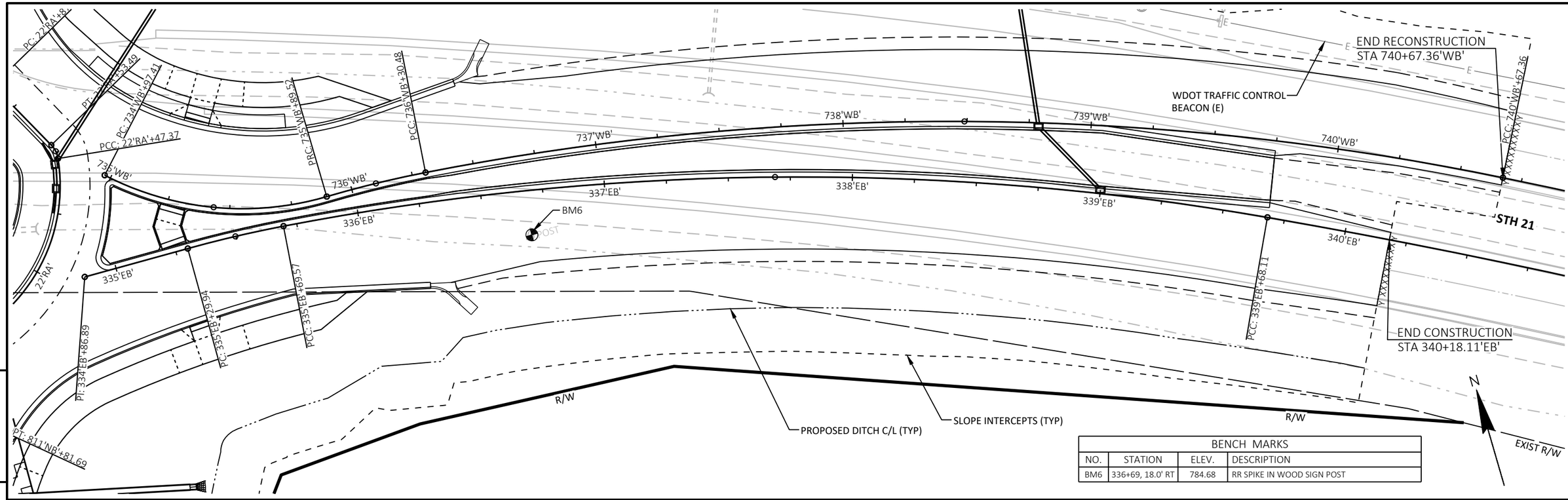


PROJECT NO: 6180-31-71	HWY: STH 21	COUNTY: WINNEBAGO	PLAN AND PROFILE: STH 21 EASTBOUND	SHEET 176	E

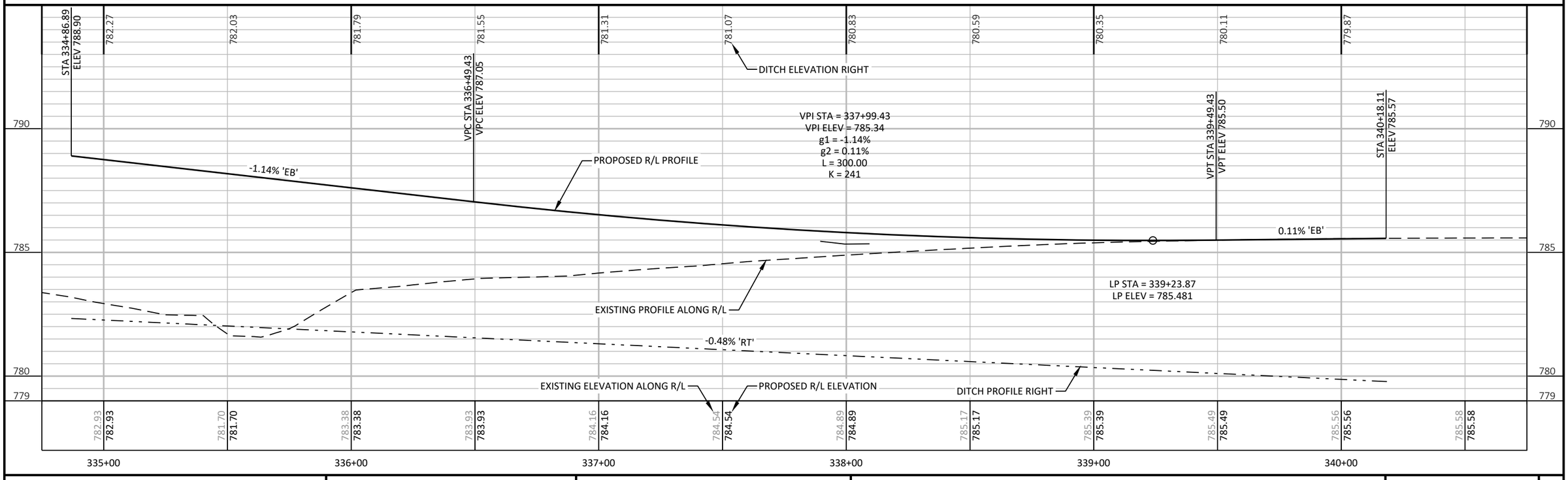
FILE NAME : N:\3001455.00\CIVIL 3D\SHEETS\61803171-050101-PP.DWG
LAYOUT NAME - 61803171-050103-pp

PLOT DATE : 4/11/2025 6:38 AM PLOT BY : MATT TOMSOVIC PLOT NAME : PLOT SCALE : 1 IN:40 FT

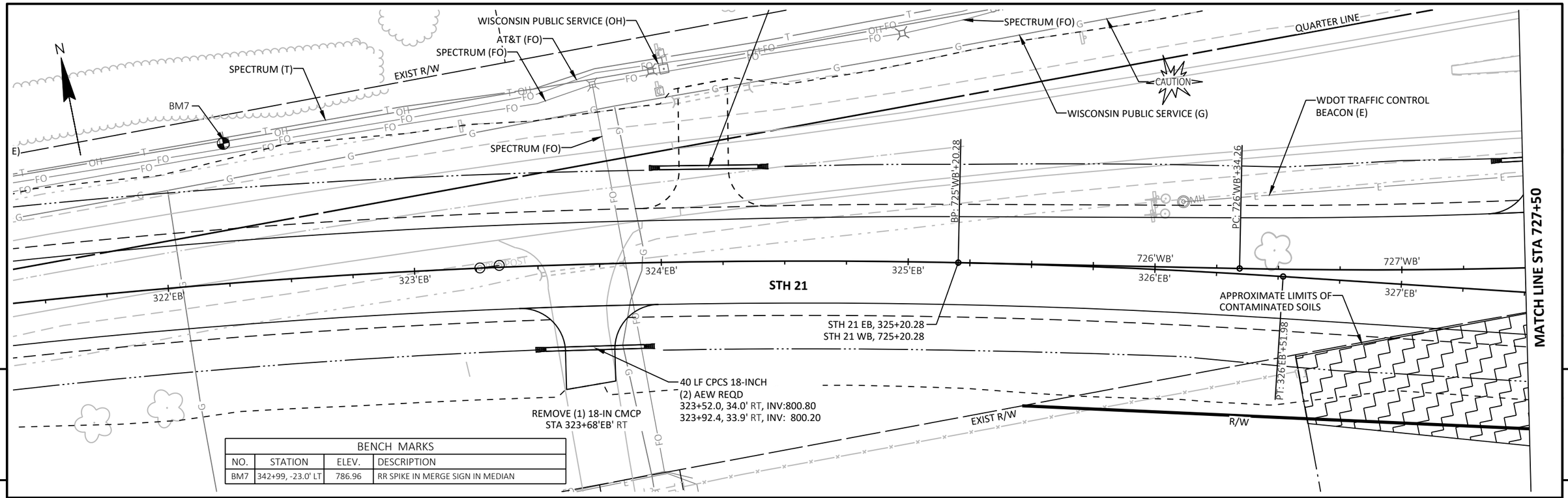
WISDOT/CADDS SHEET 44



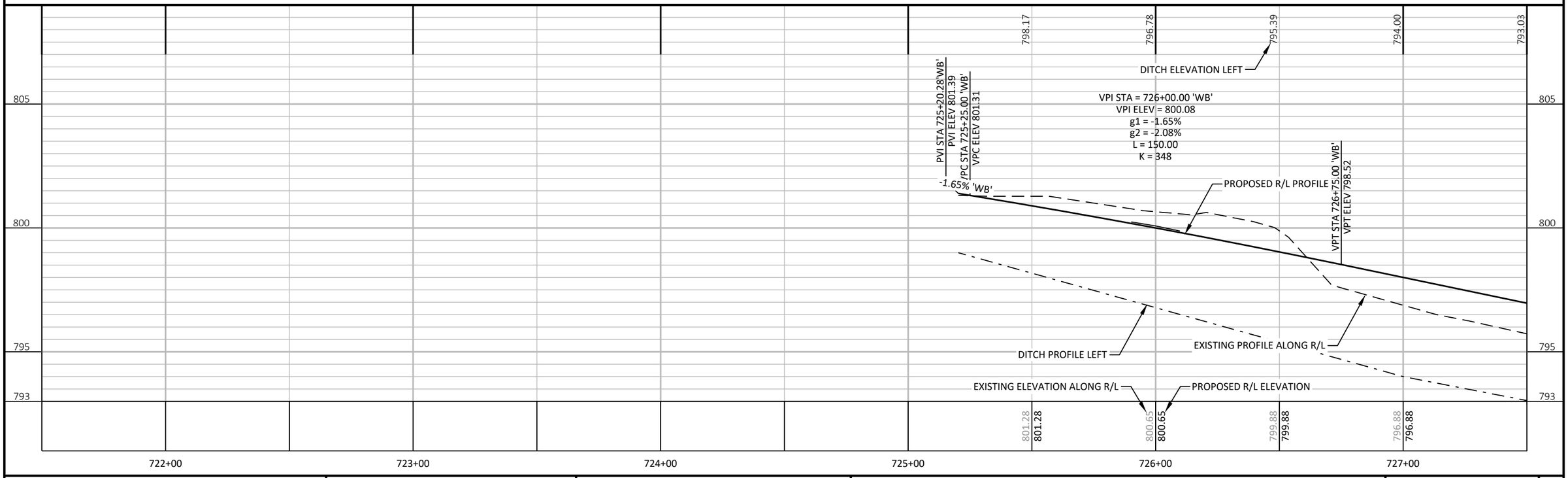
BENCH MARKS			
NO.	STATION	ELEV.	DESCRIPTION
BM6	336+69, 18.0' RT	784.68	RR SPIKE IN WOOD SIGN POST



PROJECT NO: 6180-31-71	HWY: STH 21	COUNTY: WINNEBAGO	PLAN AND PROFILE: STH 21 EASTBOUND	SHEET 177	E



BENCH MARKS			
NO.	STATION	ELEV.	DESCRIPTION
BM7	342+99, -23.0' LT	786.96	RR SPIKE IN MERGE SIGN IN MEDIAN



PROJECT NO: 6180-31-71	HWY: STH 21	COUNTY: WINNEBAGO	PLAN AND PROFILE: STH 21 WESTBOUND	SHEET 178	E

N

REMOVE (1) XX-IN CMCP
STA 727+60'WB' LT

WISCONSIN PUBLIC SERVICE (OH)

SPECTRUM (FO)

AT&T (FO)

R/W

EXIS

REMOVE (1) XX-IN CMCP
STA 731+90'WB' LT

CAUTION

SPECTRUM (FO)

WISCONSIN PUBLIC SERVICE (G)

QUARTER LINE

SLOPE INTERCEPTS (TYP)

20.0'

48 LF CPCS 18-INCH
(2) AEW REQD
727+41.2, -43.7' LT, INV:793.30
727+90.0, -45.0' LT, INV: 792.30

WDOT TRAFFIC CONTROL
BEACON (E)

PROPOSED DITCH C/L (TYP)

MATCH LINE STA 727+50

APPROXIMATE LIMITS OF
CONTAMINATED SOILS

728'WB'

729'WB'

730'WB'

731'WB'

732'WB'

733'WB'

328'EB'

329'EB'

STH 21

PT: 731'WB'+51.69

PC: 732'WB'+37.94

PT: 732'WB'+77.58

PC: 733'WB'+20.63

PT: 23 RA+76.70

PC: 91

24 RA

23 RA+12.37

5

5

793.03 792.07 791.10 790.13 789.17 788.20 787.23 786.26 785.85 785.60

DITCH ELEVATION LEFT

795

790

785

784

-2.08% 'WB'

PROPOSED R/L PROFILE

VPC STA 730+50.00 'WB'
VPC ELEV 790.73

VPI STA = 731+50.00 'WB'
VPI ELEV = 788.66
g1 = -2.08%
g2 = 0.50%
L = 200.00
K = 78

VPT STA 732+50.00 'WB'
VPT ELEV 789.16

PVI STA 733+20.63'WB'
PVI ELEV 789.51

-1.93% 'LT'

0.50% 'WB'

LP STA = 732+11.19 'WB'
LP ELEV = 789.060

DITCH PROFILE LEFT

EXISTING PROFILE ALONG R/L

-0.50% 'LT'

EXISTING ELEVATION ALONG R/L

PROPOSED R/L ELEVATION

794.64 794.64 | 793.63 793.63 | 792.09 792.09 | 791.00 791.00 | 790.12 790.12 | 789.37 789.37 | 788.38 788.38 | 786.95 786.95 | 787.97 787.97 | 788.00 788.00 | 787.66 787.66

728+00 729+00 730+00 731+00 732+00 733+00

PROJECT NO: 6180-31-71	HWY: STH 21	COUNTY: WINNEBAGO	PLAN AND PROFILE: STH 21 WESTBOUND	SHEET 179	E

FILE NAME : N:\3001455.00\CIVIL 3D\SHEETS\61803171-050101-PP.DWG
LAYOUT NAME - 61803171-050108-pp

PLOT DATE : 4/11/2025 6:39 AM PLOT BY : MATT TOMSOVIC PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

BENCH MARKS			
NO.	STATION	ELEV.	DESCRIPTION
BM6	336+69, 18.0' RT	784.68	RR SPIKE IN WOOD SIGN POST

REMOVE (1) XX-IN CMCP
STA 737+55'WB' LT

EXIST R/W

AT&T (FO)

SLOPE INTERCEPTS (TYP)

END RECONSTRUCTION
STA 740+67.36'WB'

WDOT TRAFFIC CONTROL
BEACON (E)

PCC: 740'WB'+67.36

STH 21

PC: 22'RA'+87.00

PT: 22'RA'+53.49

PC: 734'WB'+97.41

PCC: 735'WB'+89.52

PCC: 736'WB'+30.48

PCC: 22'RA'+47.37

813'NB'+60.68

738'WB'

737'WB'

739'WB'

740'WB'

339'EB'

338'EB'

337'EB'

340'EB'

736'WB'

336'EB'

735'WB'

BM6

PCC: 339'EB'+68.11

END CONSTRUCTION
STA 340+18.11'EB'

781.96 781.70 781.45 781.19 780.94 780.68 780.43 780.17 779.92 779.66 779.41

PVI STA 734+97.41'WB'
PVI ELEV 788.79

DITCH ELEVATION LEFT

VPC STA 737+02.32 'WB'
VPC ELEV 787.10

VPI STA = 738+02.32 'WB'
VPI ELEV = 786.27
g1 = -0.83%
g2 = 0.11%
L = 200.00
K = 213

VPT STA 739+02.32 'WB'
VPT ELEV 786.38

PVI STA 740+67.36'WB'
PVI ELEV 786.56

PROPOSED R/L PROFILE

-0.83% 'WB'

0.11% 'WB'

LP STA = 738+78.84 'WB'
LP ELEV = 786.366

EXISTING PROFILE ALONG R/L

-0.51% 'LT'

DITCH PROFILE LEFT

EXISTING ELEVATION ALONG R/L

PROPOSED R/L ELEVATION

790 785 780 779

784.71 784.71 783.45 783.45 784.05 784.05 784.34 784.34 784.88 784.88 785.22 785.22 784.22 784.22 784.34 784.34 785.70 785.70 786.27 786.27 786.50 786.50 786.56 786.56

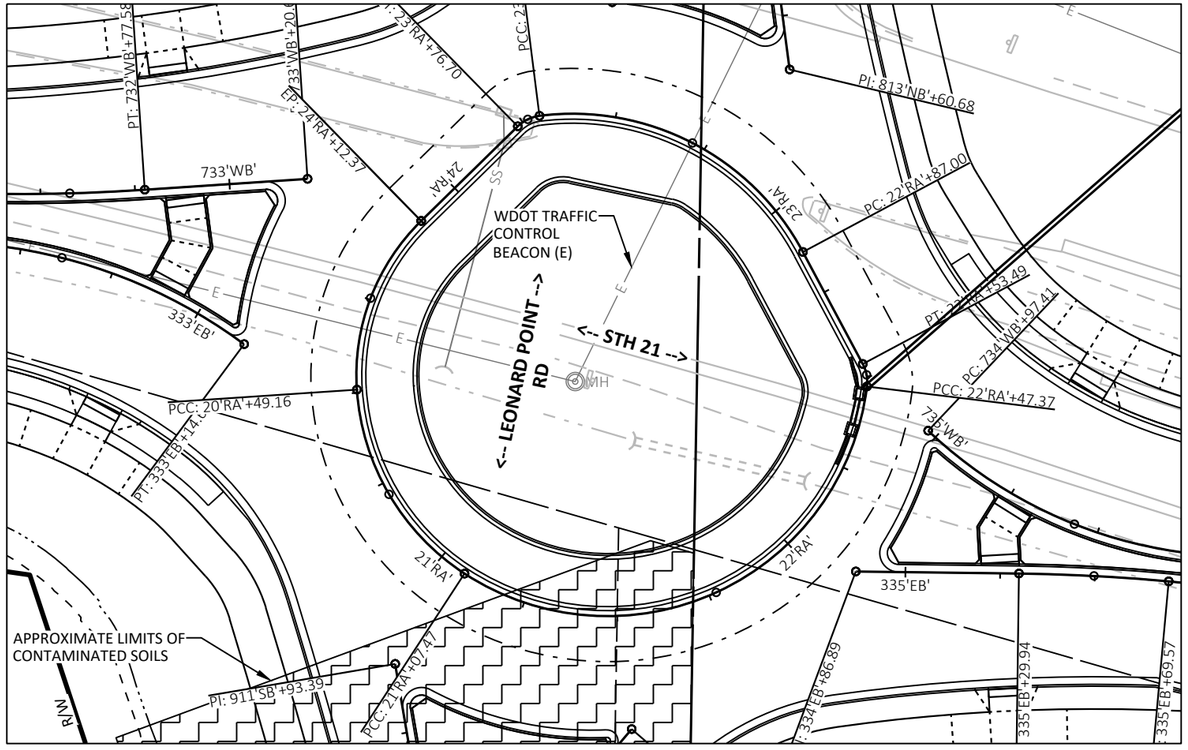
735+00 736+00 737+00 738+00 739+00 740+00

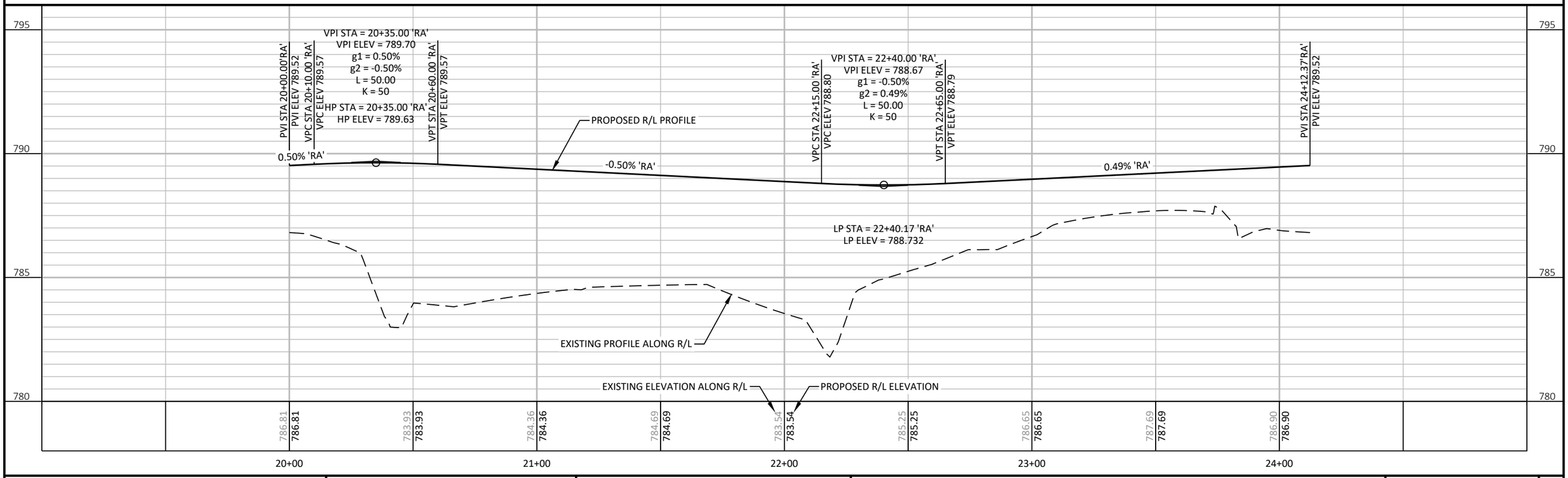
PROJECT NO: 6180-31-71	HWY: STH 21	COUNTY: WINNEBAGO	PLAN AND PROFILE: STH 21 WESTBOUND	SHEET 180	E

FILE NAME : N:\3001455.00\CIVIL 3D\SHEETS\61803171-050101-PP.DWG
LAYOUT NAME - 61803171-050109-pp

PLOT DATE : 4/11/2025 6:39 AM PLOT BY : MATT TOMSOVIC PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44



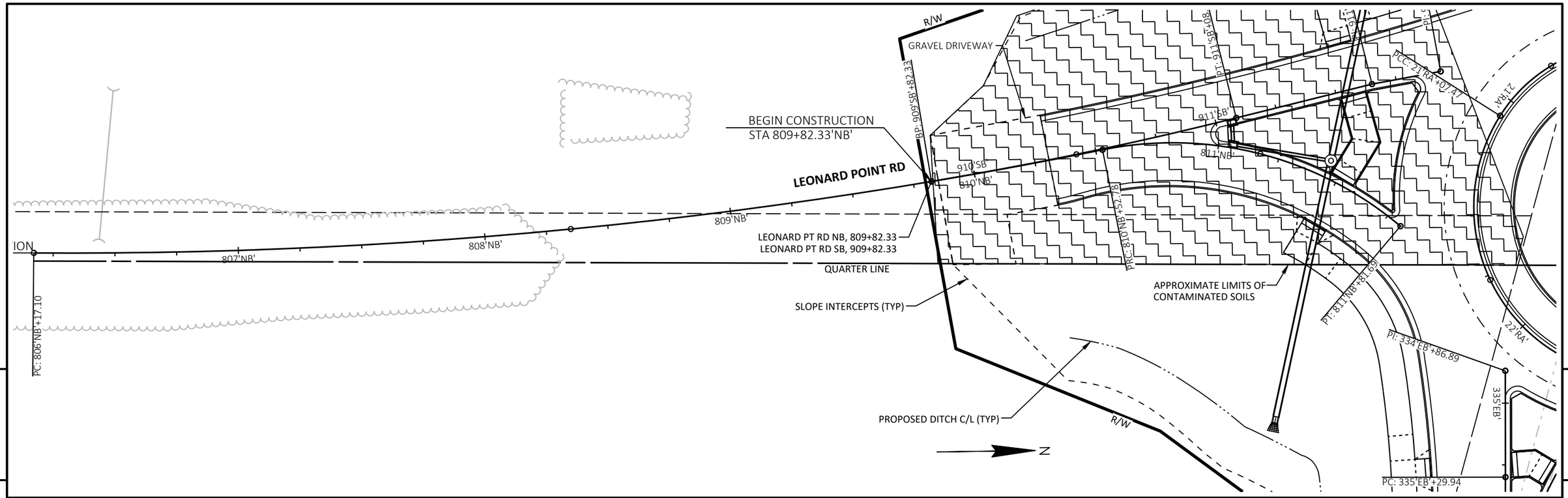


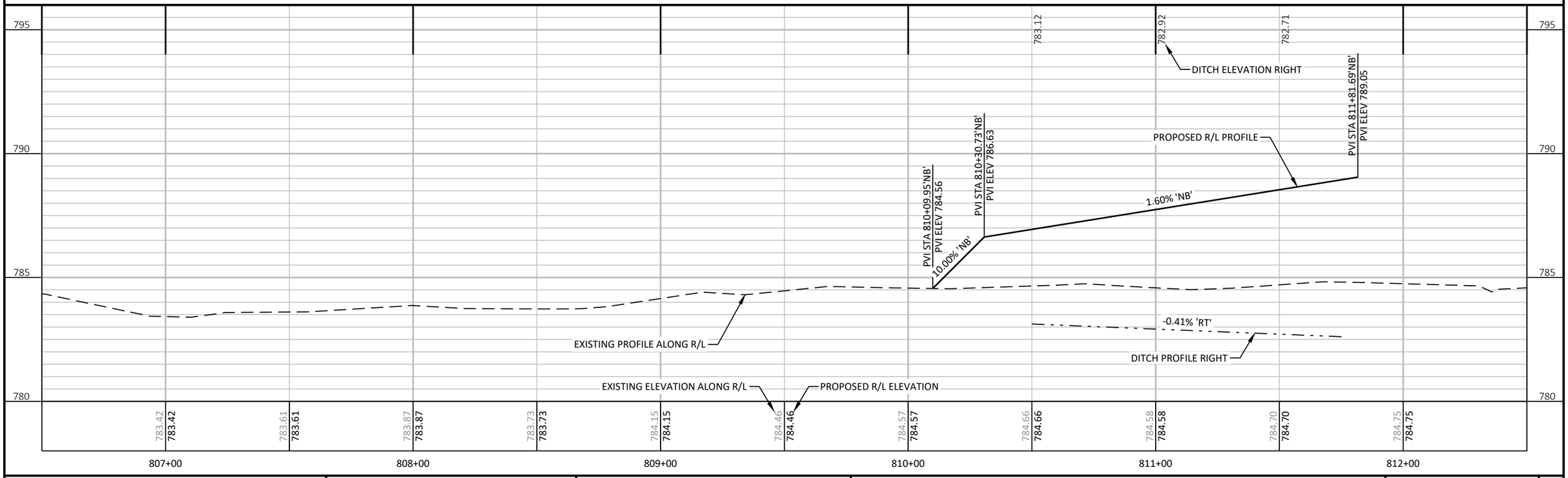
PROJECT NO: 6180-31-71	HWY: STH 21	COUNTY: WINNEBAGO	PLAN AND PROFILE: STH 21 AND LEONARD POINT RD ROUNDABOUT	SHEET 181 E

FILE NAME : N:\3001455.00\CIVIL 3D\SHEETS\61803171-050101-PP.DWG
LAYOUT NAME - 61803171-050110-pp

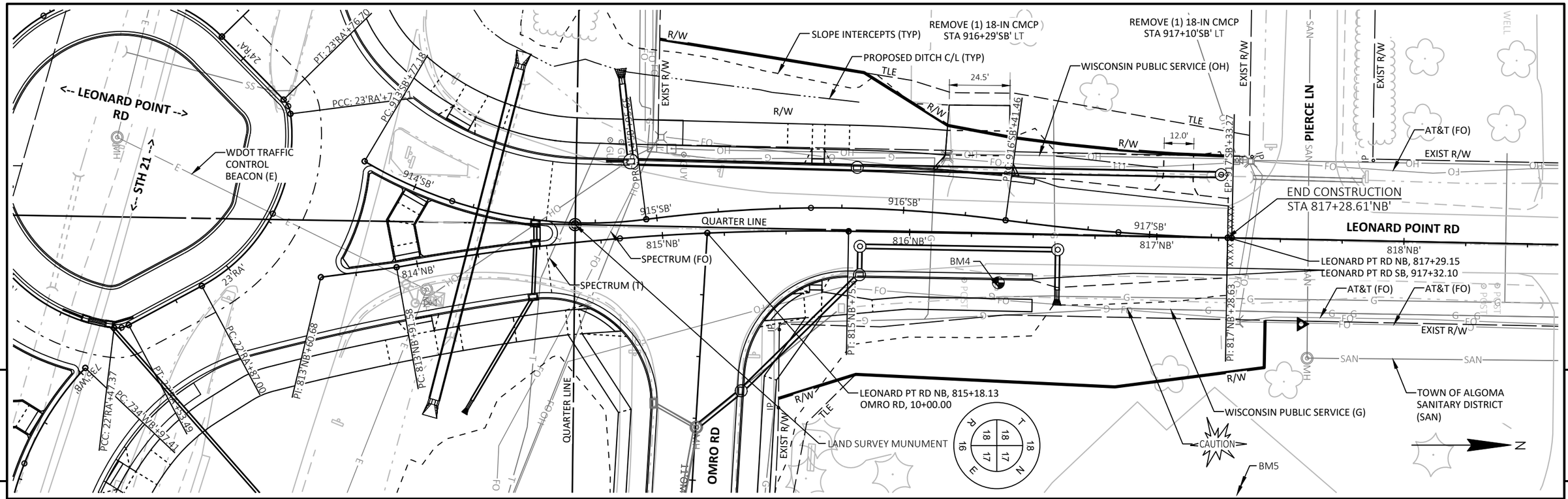
PLOT DATE : 4/11/2025 6:39 AM PLOT BY : MATT TOMSOVIC PLOT NAME : PLOT SCALE : 1 IN:40 FT

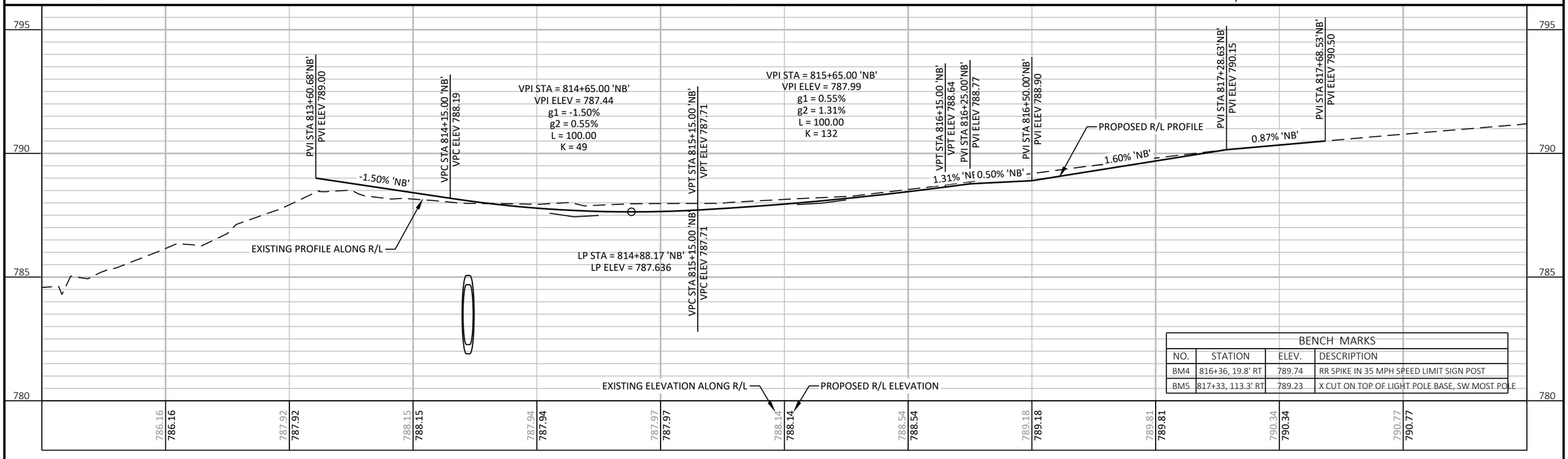
WISDOT/CADDS SHEET 44





PROJECT NO: 6180-31-71	HWY: STH 21	COUNTY: WINNEBAGO	PLAN AND PROFILE: LEONARD POINT RD NORTHBOUND	SHEET 182 E





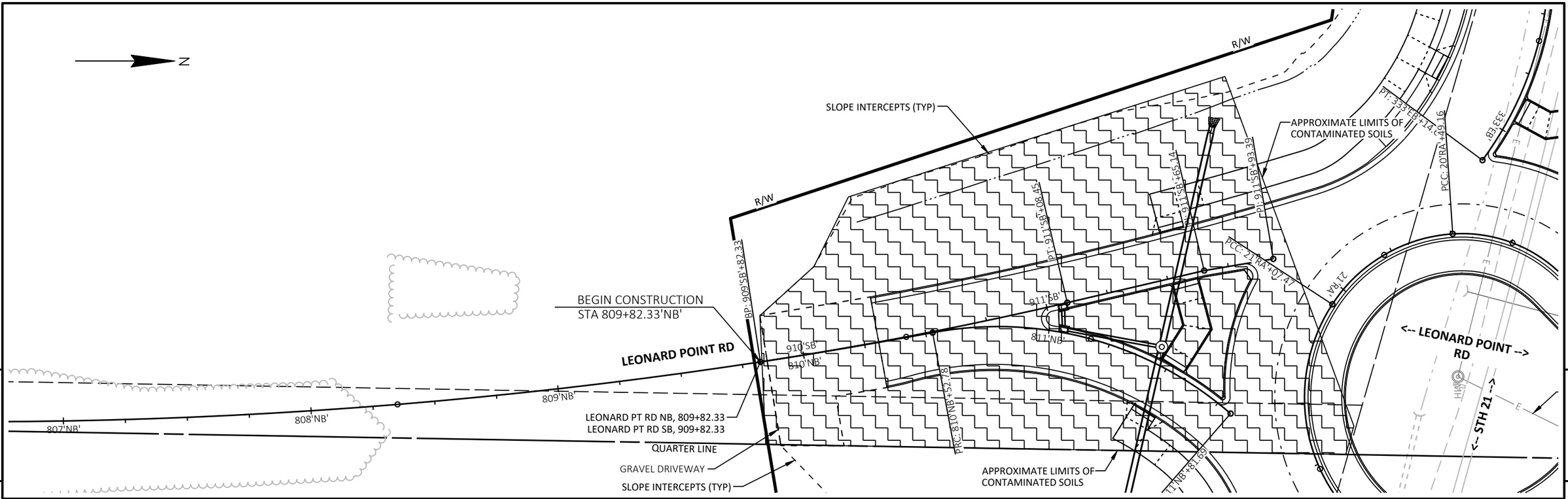
BENCH MARKS

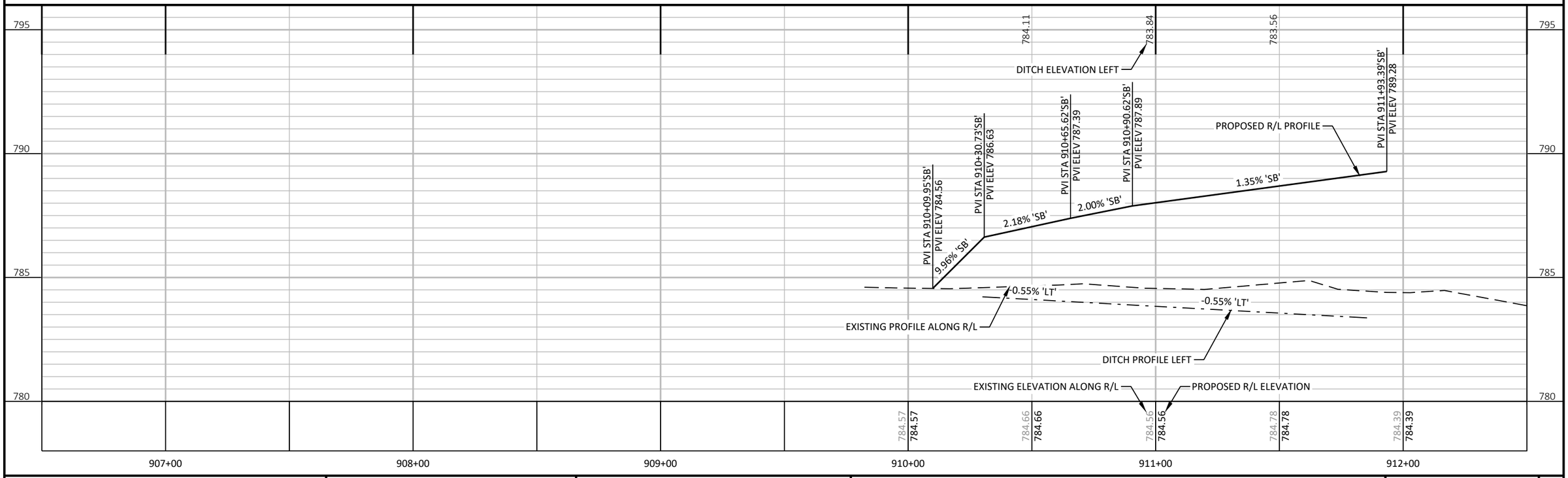
NO.	STATION	ELEV.	DESCRIPTION
BM4	816+36, 19.8' RT	789.74	RR SPIKE IN 35 MPH SPEED LIMIT SIGN POST
BM5	817+33, 113.3' RT	789.23	X CUT ON TOP OF LIGHT POLE BASE, SW MOST POLE

PROJECT NO: 6180-31-71	HWY: STH 21	COUNTY: WINNEBAGO	PLAN AND PROFILE: LEONARD POINT RD NORTHBOUND	SHEET 183 E

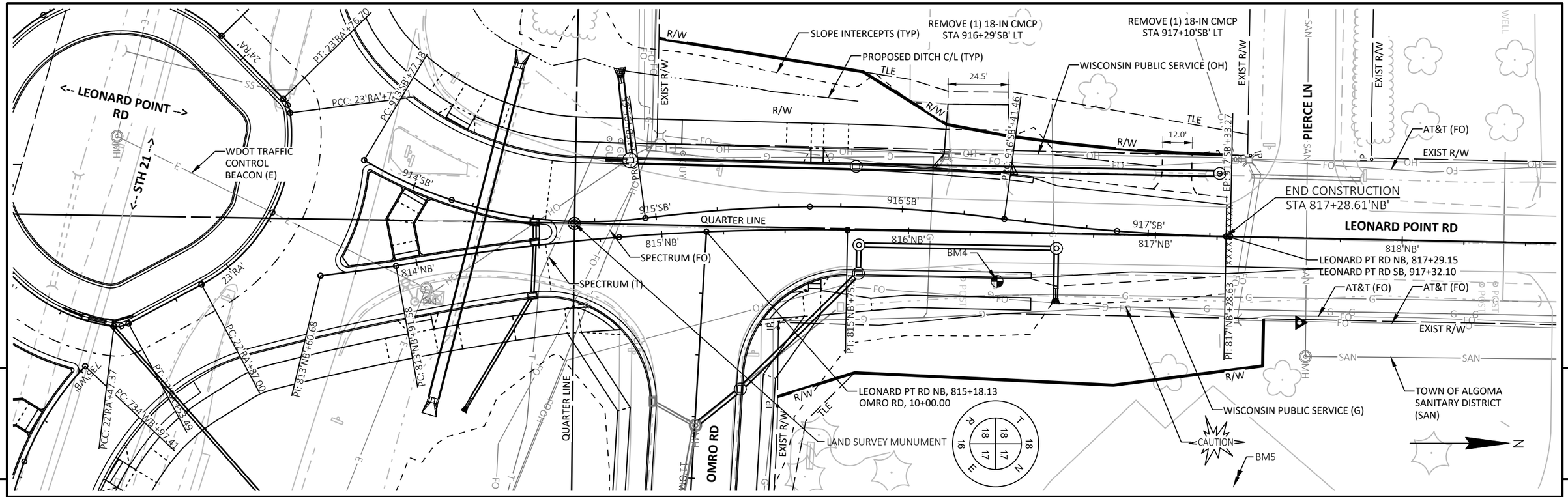
FILE NAME : N:\3001455.00\CIVIL 3D\SHEETS\61803171-050101-PP.DWG
LAYOUT NAME - 61803171-050112-pp

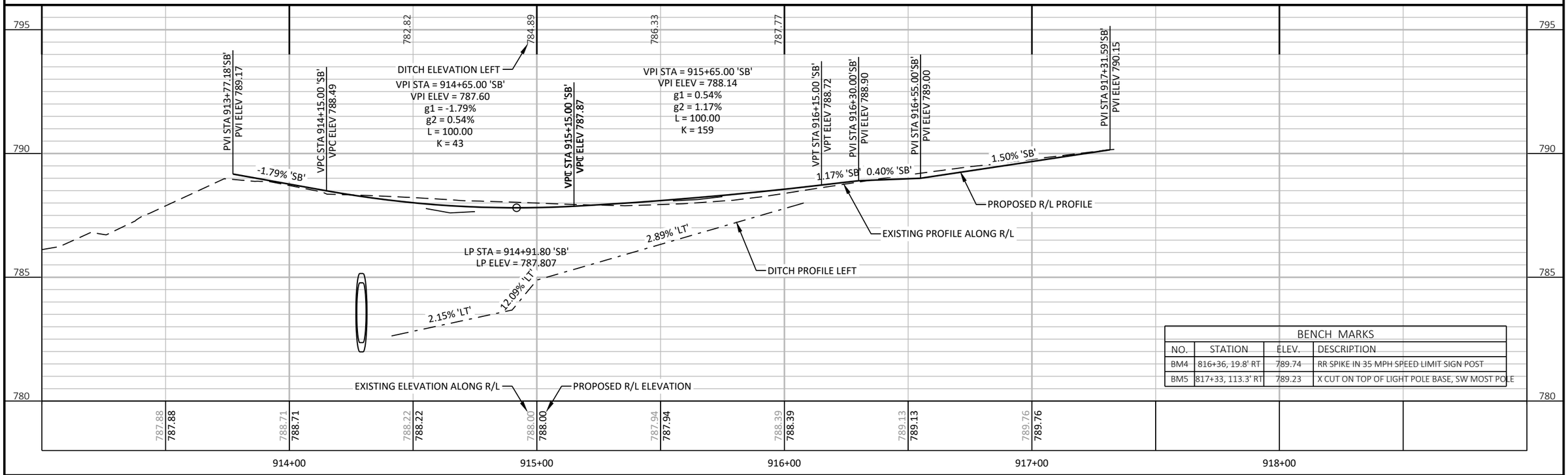
PLOT DATE : 5/14/2025 7:36 AM PLOT BY : MATT TOMSOVIC PLOT NAME : PLOT SCALE : 1 IN:40 FT





PROJECT NO: 6180-31-71	HWY: STH 21	COUNTY: WINNEBAGO	PLAN AND PROFILE: LEONARD POINT RD SOUTHBOUND	SHEET 184 E



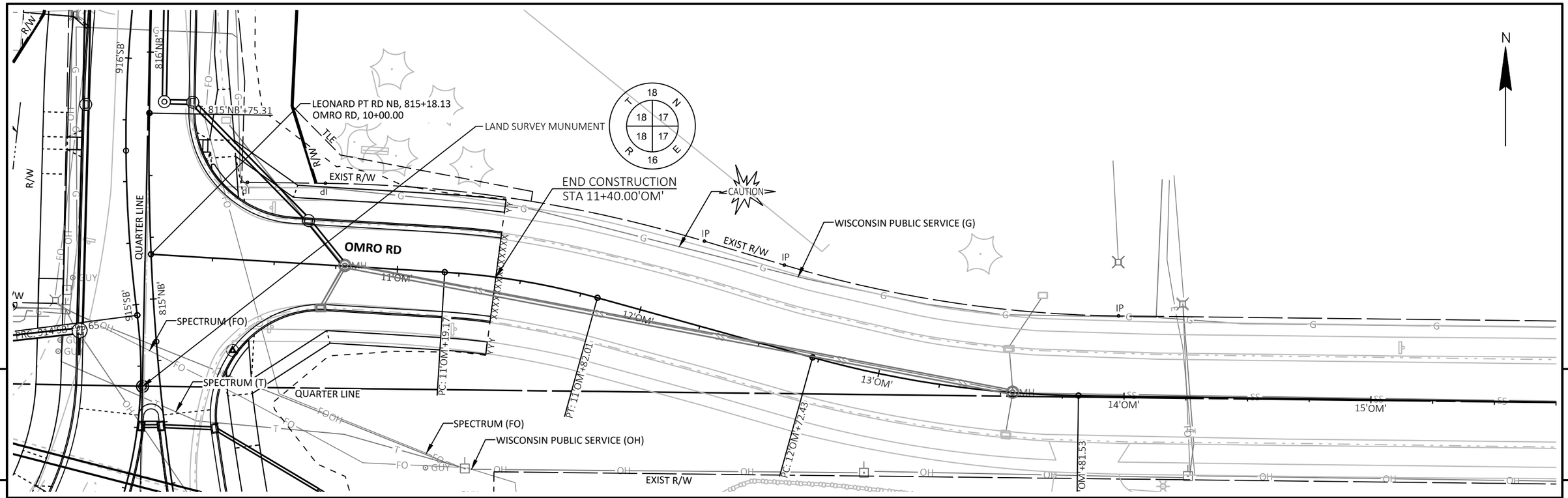


BENCH MARKS

NO.	STATION	ELEV.	DESCRIPTION
BM4	816+36, 19.8' RT	789.74	RR SPIKE IN 35 MPH SPEED LIMIT SIGN POST
BM5	817+33, 113.3' RT	789.23	X CUT ON TOP OF LIGHT POLE BASE, SW MOST POLE

PROJECT NO: 6180-31-71	HWY: STH 21	COUNTY: WINNEBAGO	PLAN AND PROFILE: LEONARD POINT RD SOUTHBOUND	SHEET 185 E

FILE NAME : N:\3001455.00\CIVIL 3D\SHEETS\61803171-050101-PP.DWG
LAYOUT NAME - 61803171-050116-pp
PLOT DATE : 5/14/2025 7:10 AM
PLOT BY : MATT TOMSOVIC
PLOT NAME :
PLOT SCALE : 1 IN:40 FT



PROJECT NO: 6180-31-71	HWY: STH 21	COUNTY: WINNEBAGO	PLAN AND PROFILE: OMRO RD	SHEET 186 E

FILE NAME : N:\3001455.00\CIVIL 3D\SHEETS\61803171-050101-PP.DWG
LAYOUT NAME - 61803171-050131-pp

PLOT DATE : 4/11/2025 6:40 AM PLOT BY : MATT TOMSOVIC PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

EXIST R/W

FO FO FO FO FO FO FO FO FO

AT&T (FO)

OH OH OH

WISCONSIN PUBLIC SERVICE (OH)

EXIST R/W

WDOT TRAFFIC CONTROL BEACON (E)

E E E E

END RECONSTRUCTION
BEGIN BASE PATCHING
STA 740+67.36 'WB'

PCC: 740+67.36

STH 21 WB

PT: 745+01.00

740+00'WB' 741+00'WB' 742+00'WB' 743+00'WB' 744+00'WB' 745+00'WB'

BM7

9+00'WB'

340+00'EB' 341+00'EB' 342+00'EB' 343+00'EB' 344+00'EB'

339+00'EB'

PCC: 339+68.11

PT: 344+86.47

345+

STH 21 EB

MATCH LINE STA 345+00'EB'

5

5

BENCH MARKS			
NO.	STATION	ELEV.	DESCRIPTION
BM7	342+99, -23.0' LT	786.96	RR SPIKE IN MERGE SIGN IN MEDIAN

END RECONSTRUCTION
BEGIN BASE PATCHING
STA 340+18.11 'EB'

EXIST R/W

SLOPE INTERCEPTS (TYP)

LEGEND

BASE PATCHING CONCRETE

BUTT JOINT

FO FO FO FO FO FO FO FO FO

AT&T (FO)

REMOVE EXISTING
MEDIAN CROSSOVER

MATCH LINE STA 345+00'EB'

STH 21 WB

PC: 748+96.25

746+00'WB' 747+00'WB' 748+00'WB' 749+00'WB' 750+00'WB' 751+00'WB'

PC: 348+81.72

346+00'EB' 347+00'EB' 348+00'EB' 349+00'EB' 350+00'EB'

STH 21 EB

MATCH LINE STA 351+00'EB'

BENCH MARKS			
NO.	STATION	ELEV.	DESCRIPTION
BM8	349+70, 114.1' RT	783.98	RR SPIKE IN N. MOST BILLBOARD POST

REMOVE EXISTING BEAM GUARD AND
INSTALL NEW BEAM GUARD
(SEE CONSTRUCTION DETAILS)

SLOPE INTERCEPTS (TYP)

REMOVING SMALL PIPE CULVERT

BM8

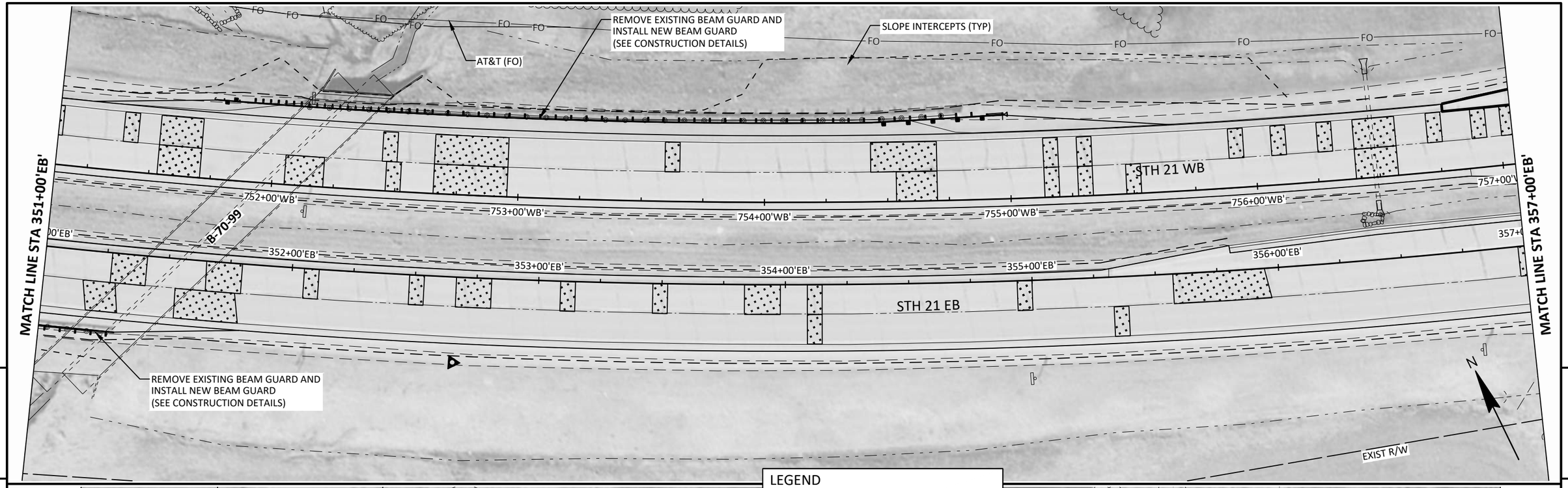
EXIST R/W

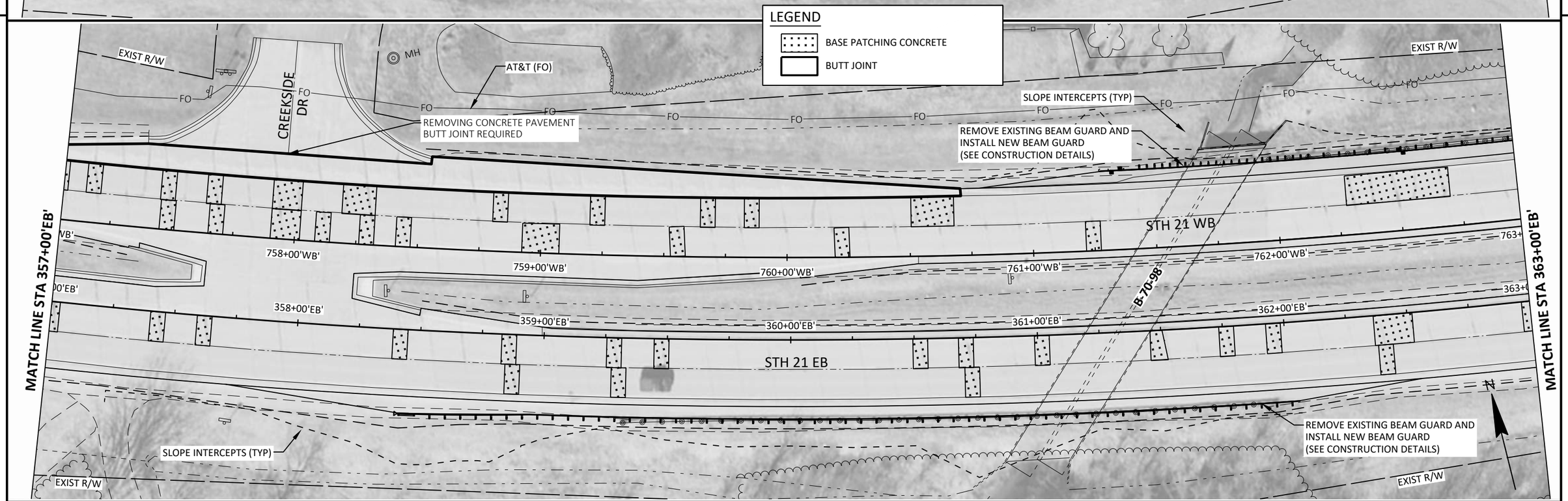
PROJECT NO: 6180-31-71	HWY: STH 21	COUNTY: WINNEBAGO	PLAN - PAVEMENT REPAIRS	SHEET 187 E

FILE NAME : N:\3001455.00\CIVIL 3D\SHEETS\61803171-050201-PN.DWG
LAYOUT NAME - 61803171-050201-pn

PLOT DATE : 7/9/2025 7:45 AM PLOT BY : MATT TOMSOVIC PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44





PROJECT NO: 6180-31-71	HWY: STH 21	COUNTY: WINNEBAGO	PLAN - PAVEMENT REPAIRS	SHEET 188	E

FILE NAME : N:\3001455.00\CIVIL 3D\SHEETS\61803171-050201-PN.DWG
LAYOUT NAME - 61803171-050202-pn
PLOT DATE : 7/9/2025 7:45 AM
PLOT BY : MATT TOMSOVIC
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44

AT&T (FO)

REMOVE EXISTING BEAM GUARD AND INSTALL NEW BEAM GUARD (SEE CONSTRUCTION DETAILS)

SLOPE INTERCEPTS (TYP)

EXIST R/W

FO

STH 21 WB

PT: 763+91.03

764+00'WB'

765+00'WB'

766+00'WB'

767+00'WB'

768+00'WB'

PT: 363+94.13

364+00'EB'

365+00'EB'

366+00'EB'

367+00'EB'

368+00'EB'

STH 21 EB

MATCH LINE STA 363+00'EB'

MATCH LINE STA 369+00'EB'

N

5

LEGEND

BASE PATCHING CONCRETE

BUTT JOINT

REMOVING CONCRETE PAVEMENT BUTT JOINT REQUIRED

770+00'WB'

771+00'WB'

772+00'WB'

773+00'WB'

774+00'WB'

370+00'EB'

371+00'EB'

372+00'EB'

373+00'EB'

374+00'EB'

MATCH LINE STA 369+00'EB'

MATCH LINE STA 375+00'EB'

HONEY CREEK RD

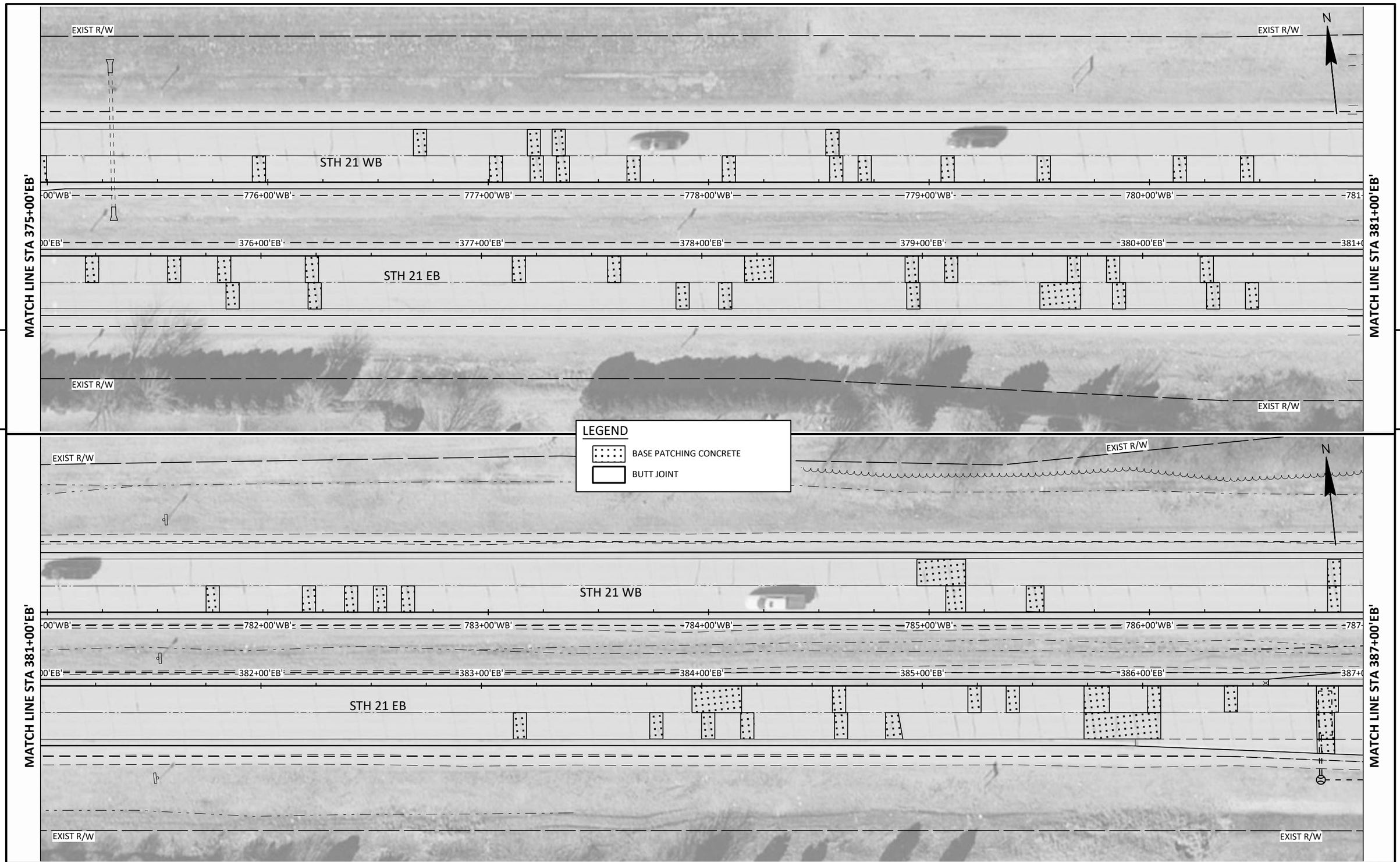
REMOVING CONCRETE PAVEMENT BUTT JOINT REQUIRED

PROJECT NO: 6180-31-71	HWY: STH 21	COUNTY: WINNEBAGO	PLAN - PAVEMENT REPAIRS	SHEET 189	E

FILE NAME : N:\3001455.00\CIVIL 3D\SHEETS\61803171-050201-PN.DWG
LAYOUT NAME - 61803171-050203-pn

PLOT DATE : 7/9/2025 7:46 AM PLOT BY : MATT TOMSOVIC PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44



5

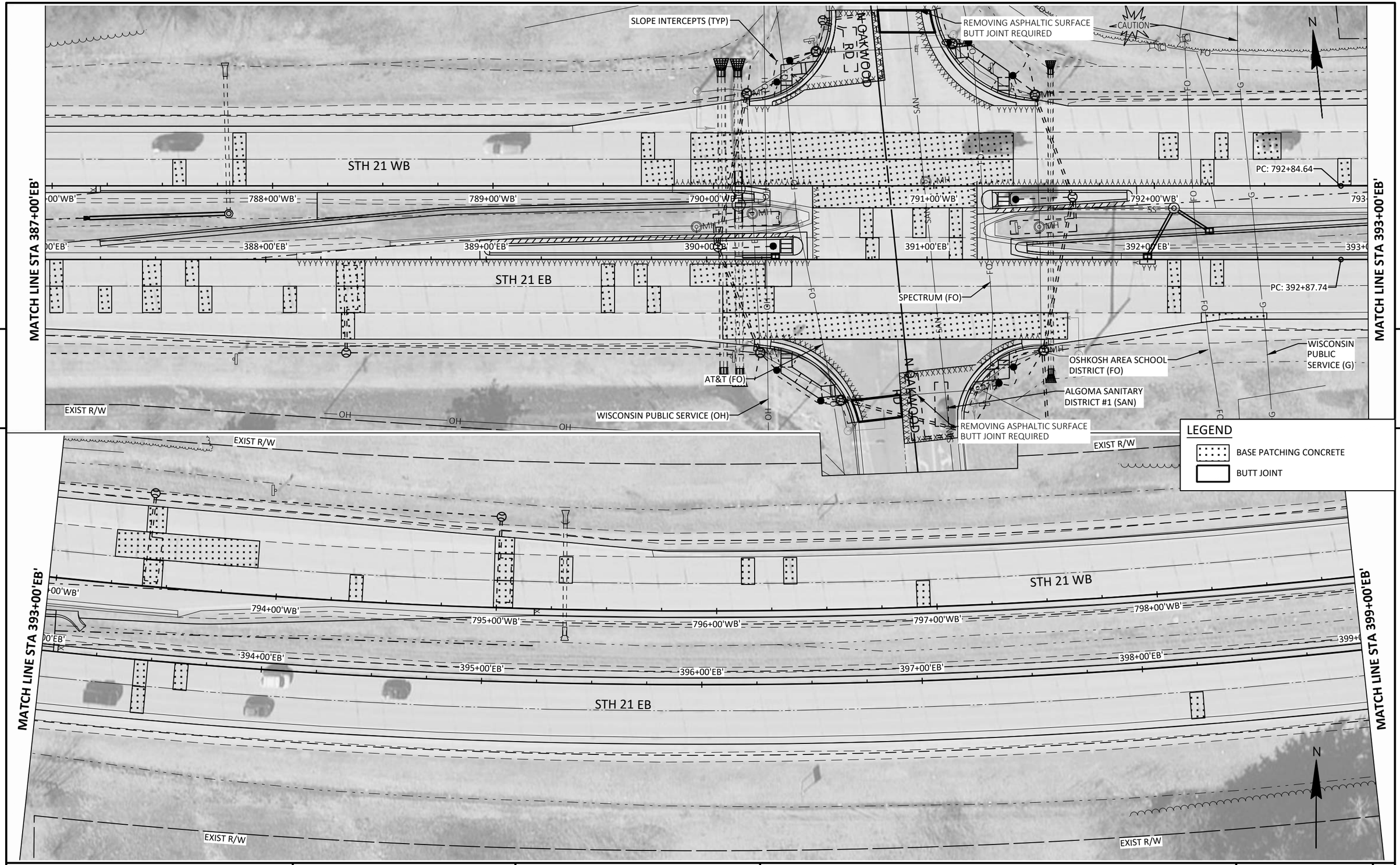
5

PROJECT NO: 6180-31-71	HWY: STH 21	COUNTY: WINNEBAGO	PLAN - PAVEMENT REPAIRS	SHEET 190 E

FILE NAME : N:\3001455.00\CIVIL 3D\SHEETS\61803171-050201-PN.DWG
LAYOUT NAME - 61803171-050204-pn

PLOT DATE : 7/9/2025 7:46 AM PLOT BY : MATT TOMSOVIC PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

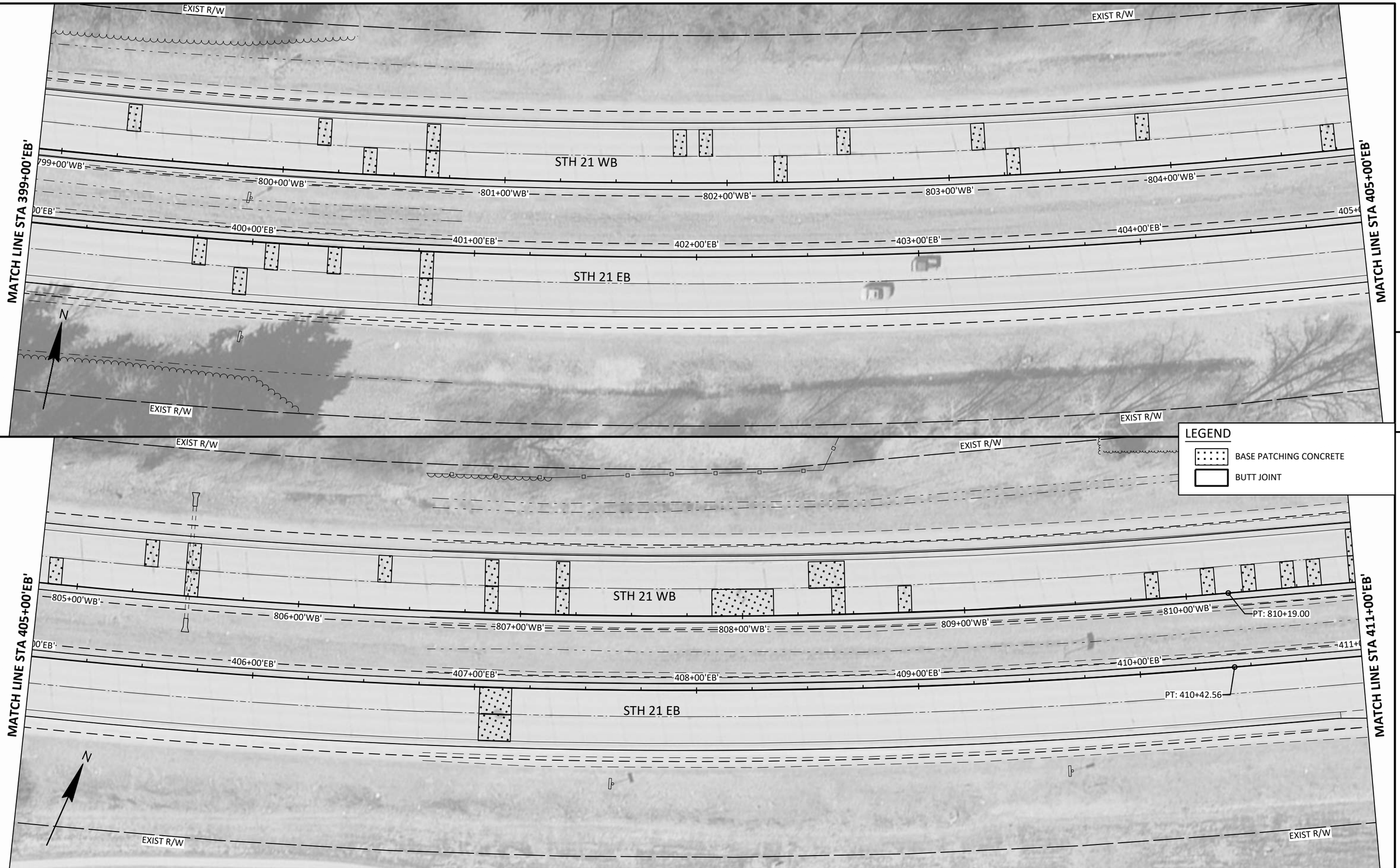


PROJECT NO: 6180-31-71	HWY: STH 21	COUNTY: WINNEBAGO	PLAN - PAVEMENT REPAIRS	SHEET 191	E

FILE NAME : N:\3001455.00\CIVIL 3D\SHEETS\61803171-050201-PN.DWG
LAYOUT NAME - 61803171-050205-pn

PLOT DATE : 7/9/2025 7:46 AM PLOT BY : MATT TOMSOVIC PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

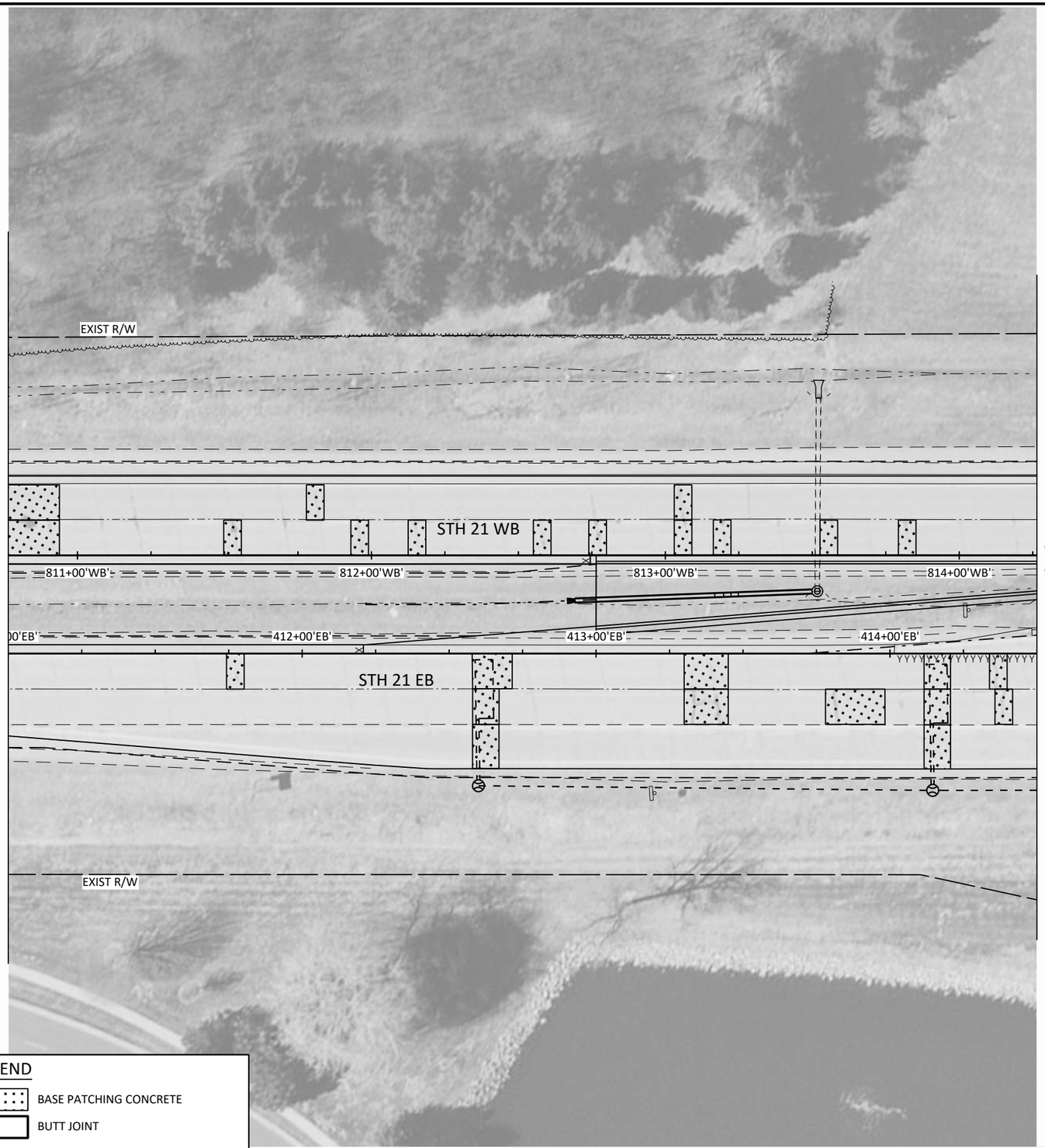


5

5

PROJECT NO: 6180-31-71	HWY: STH 21	COUNTY: WINNEBAGO	PLAN - PAVEMENT REPAIRS	SHEET 192	E

FILE NAME : N:\3001455.00\CIVIL 3D\SHEETS\61803171-050201-PN.DWG
LAYOUT NAME - 61803171-050206-pn
PLOT DATE : 7/9/2025 7:46 AM
PLOT BY : MATT TOMSOVIC
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44



LEGEND

- BASE PATCHING CONCRETE
- BUTT JOINT

PROJECT NO: 6180-31-71	HWY: STH 21	COUNTY: WINNEBAGO	PLAN - PAVEMENT REPAIRS	SHEET 193 E

FILE NAME : N:\3001455.00\CIVIL 3D\SHEETS\61803171-050201-PN.DWG
LAYOUT NAME - 61803171-050207-pn

PLOT DATE : 7/9/2025 7:46 AM PLOT BY : MATT TOMSOVIC PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 44

5

MATCH LINE STA 414+50'EB'

BUTT JOINT REQUIRED

WISCONSIN PUBLIC SERVICE (G)

REMOVING ASPHALTIC SURFACE
BUTT JOINT REQUIRED

CAUTION

EXIST R/W

N WESTHAVEN DR

PRIVATE SANITARY [SAN]

WISCONSIN PUBLIC SERVICE (E)

SLOPE INTERCEPTS (TYP)

STH 21 WB

815+00'WB' 816+00'WB' 817+00'WB' 818+00'WB' 819+00'WB' 820+00'WB'

415+00'EB' 416+00'EB' 417+00'EB' 418+00'EB' 419+00'EB' 420+00'EB'

ALGOMA SANITARY
DISTRICT #1 (SAN)

SLOPE INTERCEPTS (TYP)

REMOVING CONCRETE PAVEMENT
BUTT JOINT REQUIRED

CITY OF OSHKOSH (W)

SPECIAL DITCH RE-GRADING
(SEE CONSTRUCTION DETAIL)

PRIVATE SANITARY [SAN]

N WESTHAVEN DR

EXIST R/W

LEGEND

BASE PATCHING CONCRETE

BUTT JOINT

MATCH LINE STA 420+50'EB'

5

PROJECT NO: 6180-31-71	HWY: STH 21	COUNTY: WINNEBAGO	PLAN - PAVEMENT REPAIRS	SHEET 194	E

FILE NAME : N:\3001455.00\CIVIL 3D\SHEETS\61803171-050201-PN.DWG
LAYOUT NAME - 61803171-050208-pn

PLOT DATE : 7/9/2025 7:46 AM PLOT BY : MATT TOMSOVIC PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

EXIST R/W

EXIST R/W

CAUTION

ANR PIPELINE (TC ENERGY)

PIPL

PIPL

MATCH LINE STA 420+50'EB'

821+00'WB'

822+00'WB'

823+00'WB'

824+00'WB'

825+00'WB'

826+00'WB'

421+00'EB'

422+00'EB'

423+00'EB'

424+00'EB'

425+00'EB'

426+00'EB'

H 21 EB

W

EXIST R/W

SPECIAL DITCH RE-GRADING
(SEE CONSTRUCTION DETAIL)

CITY OF OSHKOSH (W)

EXIST R/W

MATCH LINE STA 426+50'EB'

EXIST R/W

N

REMOVING ASPHALTIC SURFACE
BUTT JOINT REQUIRED

REMOVING CONCRETE PAVEMENT
BUTT JOINT REQUIRED

END PROJECT
STA 831+29.13

STH 21 WB

829+00'WB'

830+00'WB'

831+00'WB'

832+00'WB'

STH 21 WB

828+00'WB'

827+00'WB'

PC: 828+17.17

PT: 831+21.45

PT: 431+46.46

EP: 431+51.50

430+00'EB'

431+00'EB'

PC: 428+40.69

429+00'EB'

428+00'EB'

427+00'EB'

STH 21 EB

STH 21 EB

CITY OF OSHKOSH (W)

W

W

REMOVING ASPHALTIC SURFACE
BUTT JOINT REQUIRED

REMOVING CONCRETE PAVEMENT
BUTT JOINT REQUIRED

WISCONSIN PUBLIC SERVICE (E)

EXIST R/W

E

LEGEND

BASE PATCHING CONCRETE

BUTT JOINT

PROJECT NO: 6180-31-71	HWY: STH 21	COUNTY: WINNEBAGO	PLAN - PAVEMENT REPAIRS	SHEET 195	E

FILE NAME : N:\3001455.00\CIVIL 3D\SHEETS\61803171-050201-PN.DWG
LAYOUT NAME - 61803171-050209-pn

PLOT DATE : 7/9/2025 7:46 AM PLOT BY : MATT TOMSOVIC PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

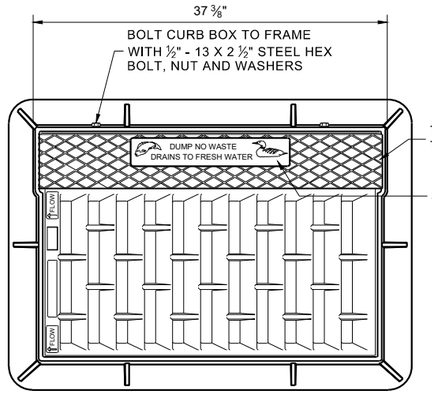
Standard Detail Drawing List

08A05-22A	INLET COVERS TYPE A, H, A-S, H-S & Z
08A05-22B	INLET COVERS TYPE B, B-A, C, MS, MS-A, DW & WM
08A05-22C	INLET COVERS TYPE F, HM, HM-S, S, T, HM-GJ & HM-GJ-S
08A05-22E	INLET COVER TYPE BW, MANHOLE COVERS, TYPE K, J, J-S, L & M
08A08-03	CATCH BASINS 3-FT, 4-FT, 5-FT AND 6-FT DIAMETER
08B09-04	MANHOLES 3-FT, 4-FT, 5-FT, 6-FT, 7-FT, 8-FT, 9-FT, 10-FT DIAMETER
08C06-03	INLETS 3-FT AND 4-FT DIAMETER
08C07-03	INLETS 2X2-FT, 2X2.5-FT, 2X3-FT, 2.5X3-FT & 2X3.5-FT
08C08-03	INLETS MEDIAN 1 AND 2 GRATE
08D01-24A	CONCRETE CURB & GUTTER
08D01-24B	CONCRETE CURB, TIES AND CURB AND GUTTER APPLICATIONS
08D05-22A	CURB RAMPS TYPES 1 AND 1-A
08D05-22B	CURB RAMPS TYPES 2 AND 3
08D05-22C	CURB RAMPS TYPES 4A AND 4A1
08D05-22D	CURB RAMPS TYPE 4B AND 4B1
08D05-22E	CURB RAMPS TYPES 5, 6, 7A, 7B & 8
08D05-22F	CURB RAMPS RADIAL DETECTABLE WARNING FIELD APPLICATIONS
08D05-22G	CURB RAMPS RECTANGULAR AND RADIAL DETECTABLE WARNING PLATES
08D19-05	DRIVEWAY AND SIDEWALK RAMPS TYPE Z
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
08F02-01	APRON ENDWALLS FOR PIPE ARCH AND ELLIPTICAL PIPE
08F04-08	JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL
08F07-05	STEEL APRON ENDWALLS FOR CULVERT PIPE AND PIPE ARCH SLOPED SIDE DRAINS
09B02-10	CONDUIT
09B16-03	PULL BOX NON-CONDUCTIVE
09C02-09	CONCRETE BASES, TYPES 1, 2, 5, & 6
09C03-04	TRANSFORMER/PEDESTAL BASES
09C06-07	CONCRETE CONTROL CABINET BASE, TYPE 9, SPECIAL
09D01-05	CABINET SERVICE INSTALLATION (METER BREAKER PEDESTAL)
09E01-15B	POLE MOUNTINGS FOR TRAFFIC SIGNALS AND LIGHTING UNITS, TYPE 3 (HEAVY DUTY)
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
09E06-05	TRAFFIC SIGNAL STANDARD POLY BRACKET MOUNTINGS (TYPICAL) 13 FT. OR 15 FT.
09E07-06	TRAFFIC SIGNAL STANDARD PEDESTRIAN AND FLASHER TYPICAL MOUNTING DETAILS
09E08-09K	GENERAL NOTES,HARDWARE DETAILS FOR TYPE 9/10,9/10 SPECIAL,12 & 13 POLES W/MONOTUBE ARMS
09F15-04A	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 1)
09G02-05A	BRIDGE TEMPORARY TRAFFIC SIGNAL INSTALLATION
09G02-05B	BRIDGE TEMPORARY TRAFFIC SIGNAL INSTALLATION
09G02-05C	BRIDGE TEMPORARY TRAFFIC SIGNAL INSTALLATION
10A01-04	ELECTRICAL HANDHOLE WIRING
11B02-02	CONCRETE MEDIAN NOSE
13C14-07A	BASE PATCHING CONCRETE
13C14-07B	BASE PATCHING CONCRETE
13C14-07C	BASE PATCHING CONCRETE
14B29-01	SAFETY EDGE
14B42-07A	MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL
14B42-07B	MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL
14B42-07C	MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL
14B42-07D	MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL
14B44-04A	MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)
14B44-04B	MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)
14B44-04C	MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)
14B47-06A	MIDWEST GUARDRAIL SYSTEM (MGS) TYPE 2 TERMINAL
14B47-06B	MIDWEST GUARDRAIL SYSTEM (MGS) TYPE 2 TERMINAL
14B47-06C	MIDWEST GUARDRAIL SYSTEM (MGS) TYPE 2 TERMINAL
14B47-06D	MIDWEST GUARDRAIL SYSTEM (MGS) TYPE 2 TERMINAL
14B47-06E	MIDWEST GUARDRAIL SYSTEM (MGS) TYPE 2 TERMINAL
14B47-06F	MIDWEST GUARDRAIL SYSTEM (MGS) TYPE 2 TERMINAL
14B47-06G	MIDWEST GUARDRAIL SYSTEM (MGS) TYPE 2 TERMINAL
14B51-04A	ANCHOR POST ASSEMBLY TOP-MOUNTED
14B51-04B	ANCHOR POST ASSEMBLY TOP-MOUNTED

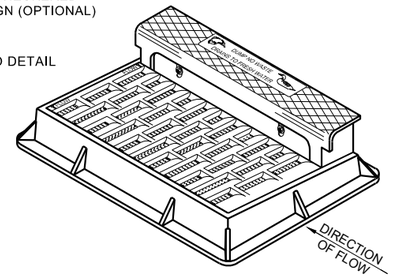
6

Standard Detail Drawing List

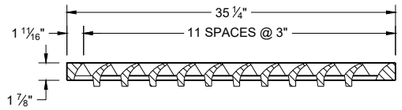
14B51-04C	ANCHOR POST ASSEMBLY TOP-MOUNTED
15A03-02A	FLEXIBLE MARKER POST FOR CULVERT END
15A03-02B	FLEXIBLE MARKER POST FOR CULVERT END
15A04-08E	DELINEATOR POST WITH REFLECTIVE SHEETING
15C02-09A	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C02-09B	BARRICADES AND SIGNS FOR VARIOUS CLOSURES
15C02-09C	DETOUR SIGNING FOR MAINLINE CLOSURES
15C03-05	BARRICADES AND SIGNS FOR SIDEROAD CLOSURES
15C07-16B	PAVEMENT MARKING WORDS
15C07-16C	PAVEMENT MARKING ARROWS
15C07-16D	ROUNDABOUT ARROWS
15C08-24A	PERMANENT LONGITUDINAL PAVEMENT MARKINGS
15C08-24D	PAVEMENT MARKING (TURN LANES)
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
15C33-05	STOP LINE AND CROSSWALK PAVEMENT MARKING
15D20-09A	TRAFFIC CONTROL, SINGLE LANE CLOSURE, DIVIDED NON-FREEWAY/EXPRESSWAY
15D21-07A	TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LANE CLOSURE
15D21-07B	TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LANE CLOSURE
15D33-09	TRAFFIC CONTROL, ONE LANE ROAD WITH TEMPORARY SIGNALS
15D39-03	TRAFFIC CONTROL, DROP-OFF SIGNING
15D40-05A	TRAFFIC CONTROL, FULL LANE SHIFT NON-FREEWAY OR MULTILANE DIVIDED 45 MPH AND UNDER
15D46-01	TRAFFIC CONTROL, ONE - WAY SIGNING
16A01-07	LANDMARK REFERENCE MONUMENTS AND COVERS

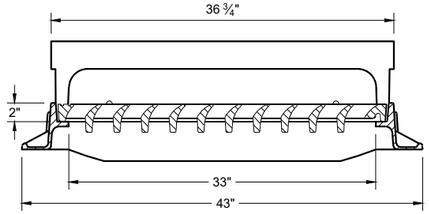


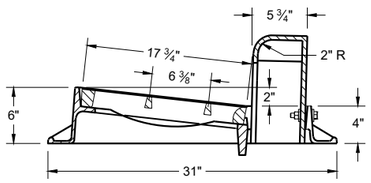
NOTE: EITHER CASTING IS ACCEPTABLE

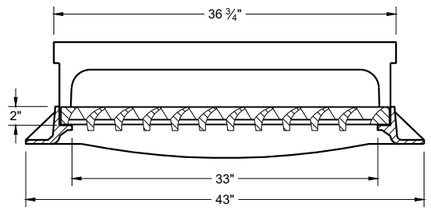


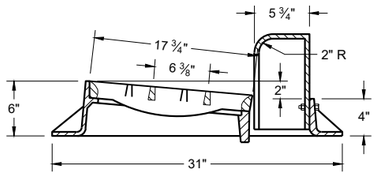
NOTE: CURB BOX HEIGHT ADJUSTABLE 6" - 9"







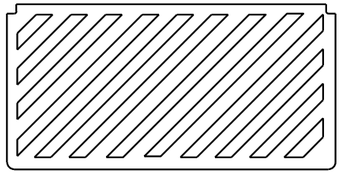




TYPE "H"

NOTE: EITHER CASTING IS ACCEPTABLE

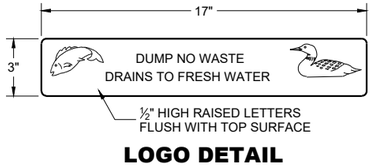
1 1/8" DIAGONAL BARS WITH 1 5/8" OPENINGS



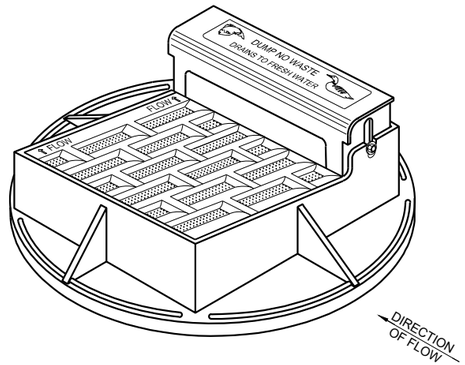
SPECIAL GRATE FOR TYPE "H" COVER

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

(NOTED AS TYPE H-S ON DRAINAGE TABLE)

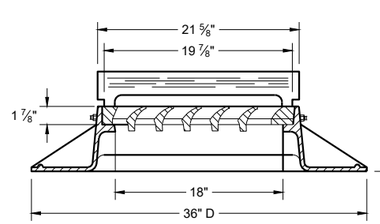


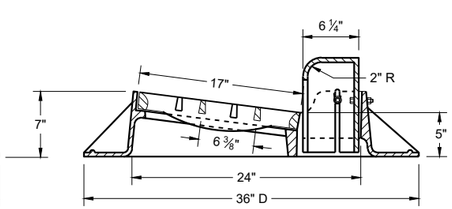
LOGO DETAIL



NOTE: CURB BOX HEIGHT ADJUSTABLE 6" - 9"

NOTE: EITHER CASTING IS ACCEPTABLE





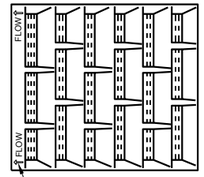
TYPE "A"

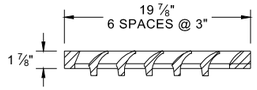
GENERAL NOTES

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

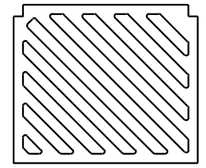
DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR CATCH BASIN, MANHOLE AND INLET COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

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





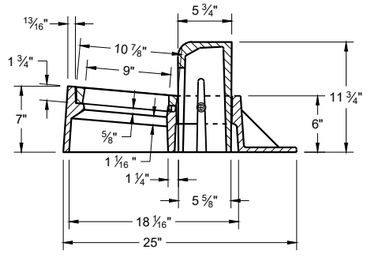
1" DIAGONAL BARS WITH 1 1/2" OPENINGS



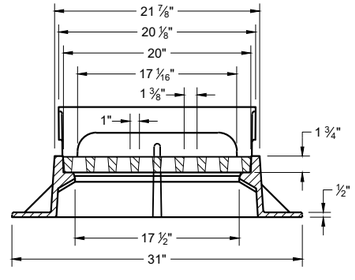
SPECIAL GRATE FOR TYPE "A" COVER

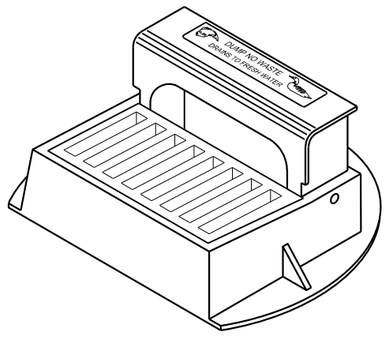
(MEASURES 19 3/4" X 17" X 1 7/8")

(NOTED AS TYPE A-S ON DRAINAGE TABLE)



TYPE "Z"





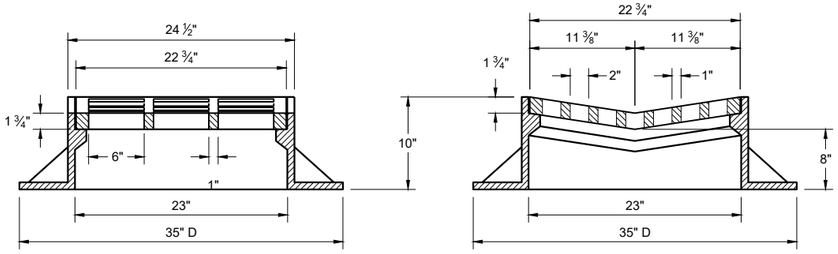
INLET COVERS
TYPES A, H, A-S, H-S AND Z

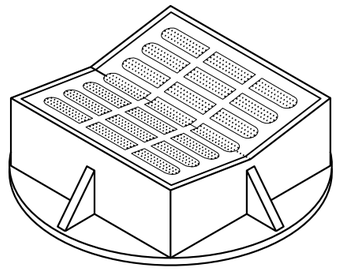
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2025
DATE

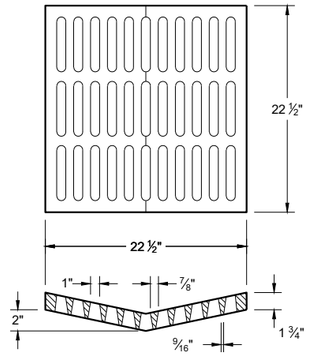
/S/ Rodney Taylor
ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR

FHWA





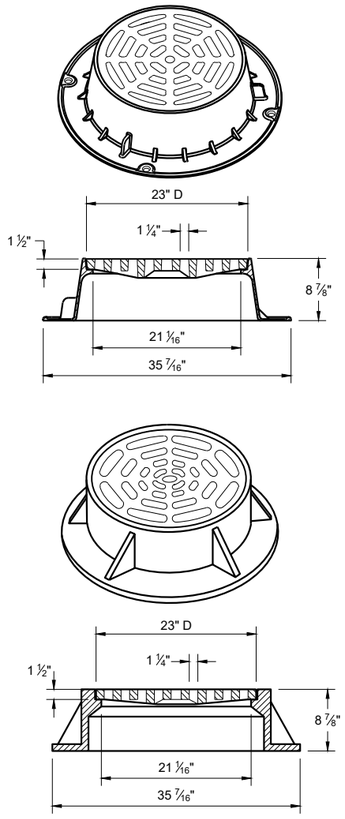
TYPE "B"



ALTERNATIVE GRATE FOR TYPE "B" COVER

USE WHERE PEDESTRIAN OF BICYCLE TRAFFIC IS POSSIBLE

NOTED AS TYPE B - A ON THE DRAINAGE TABLE



TYPE "C"

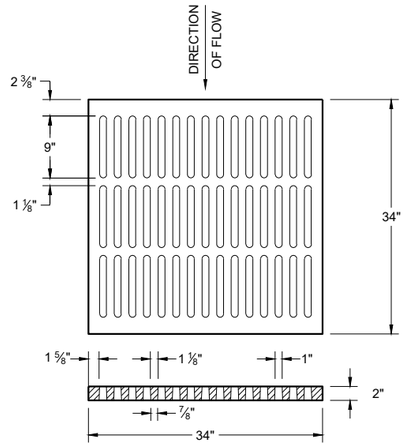
NOTE: EITHER CASTING IS ACCEPTABLE

GENERAL NOTES

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

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

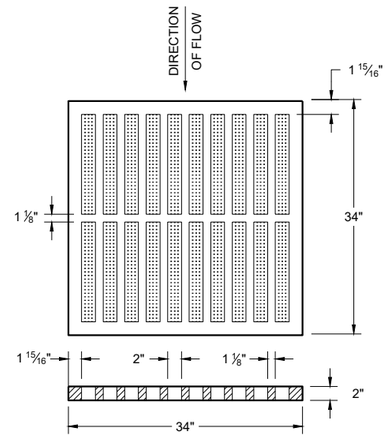
ROUND FRAMES AND COVERS SHALL HAVE CONTINUOUSLY MACHINED BEARING SURFACES TO PREVENT ROCKING AND RATTLING.



ALTERNATIVE TYPE "MS"

USE WHERE PEDESTRIAN OF BICYCLE TRAFFIC IS PERMITTED

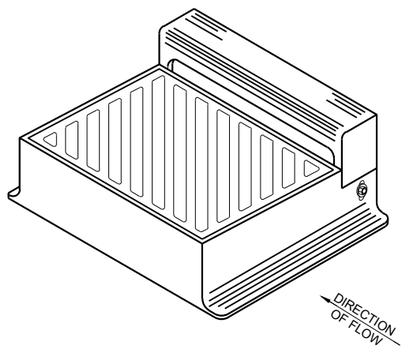
NOTED AS TYPE MS-A ON THE DRAINAGE TABLE



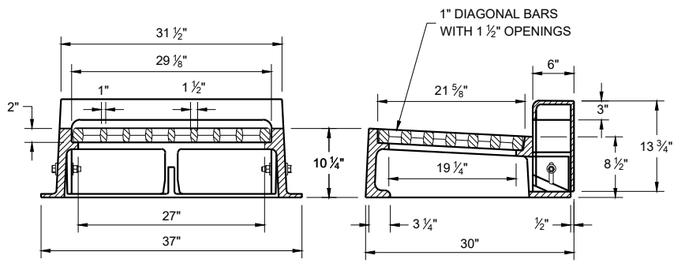
TYPE "MS"

USE ON FREEWAYS AND EXPRESSWAYS

NOTED AS TYPE MS ON THE DRAINAGE TABLE

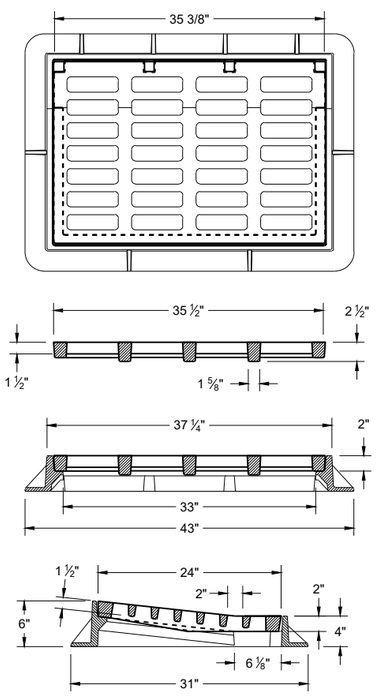


DIAGONAL SLOTS SHALL BE ORIENTEDTO THE DIRECTION OF FLOW AS ILLUSTRATED.
GRATES ARE MANUFACTURED TO BE REVERSIBLE.



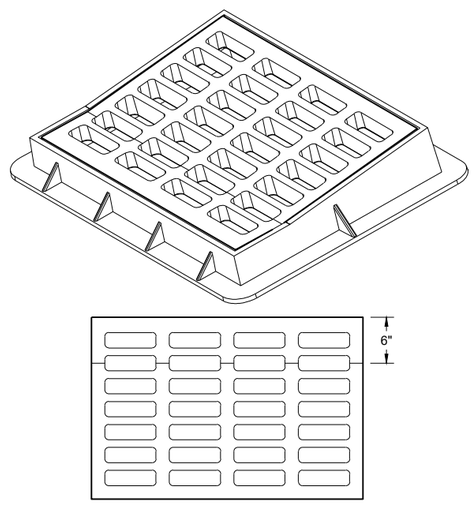
TYPE "WM"

NOTE: CURB BOX HEIGHT ADJUSTABLE 6" - 9"



TYPE "DW"

NOTES: FOR USE IN A SUMP CONDITION. THIS OPTION IS ONLY TO BE USED IF NO OTHER INLETS ARE APPLICABLE.



INLET COVERS
TYPES B, B-A, C,
MS, MS-A ,DW AND WM

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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

FHWA

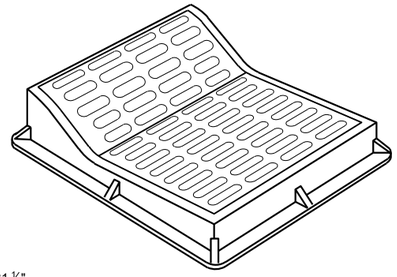
6

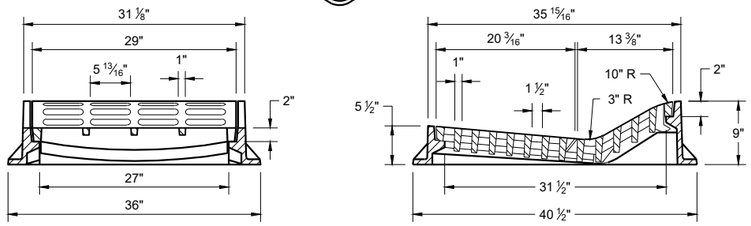
SDD 08A05-22b

GENERAL NOTES

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

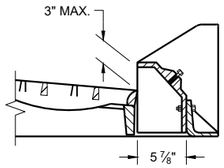
DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR INLET COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.





TYPE "F"

USE WITH TYPES "A" AND "D" CONCRETE CURB AND GUTTER, 36"

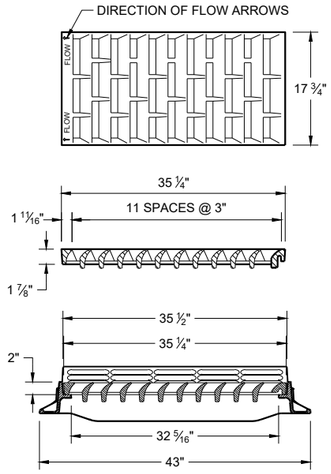


ALTERNATIVE CURB BOX FOR TYPE "HM" COVER

USE WITH TYPES "G" AND "J" CONCRETE CURB AND GUTTER, 30 INCH
NOTED AS TYP "HM-GJ" ON DRAINAGE TABLE

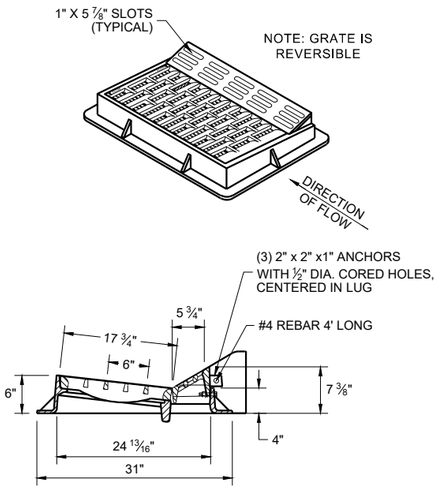
NOTE:
SPECIAL GRATE FOR THE TYPE "H" COVER MAY ALSO BE USED FOR THE TYPE "HM-GJ" COVER.

NOTED AS TYPE HM-GJ-S ON THE DRAINAGE TABLE.



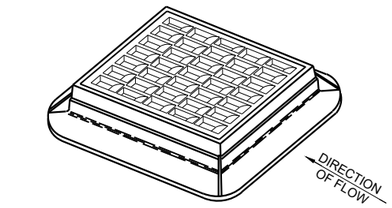
TYPE "HM"

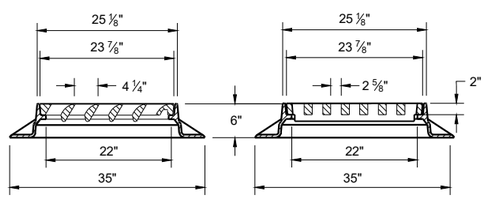
USE WITH TYPES "A" AND "D" CONCRETE CURB AND GUTTER, 36"



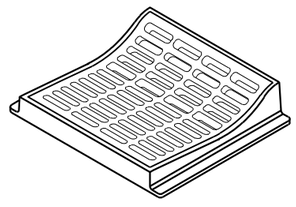
NOTE:
SPECIAL GRATE FOR THE TYPE "H" COVER MAY ALSO BE USED FOR THE TYPE "HM-GJ" COVER.

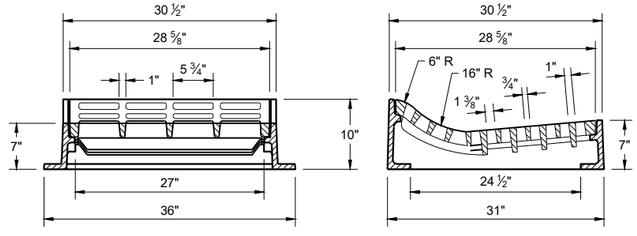
NOTED AS TYPE HM-GJ-S ON THE DRAINAGE TABLE.





TYPE "S"





TYPE "T"

USE WITH TYPES "R" AND "T" CONCRETE CURB AND GUTTER, 36"

INLET COVERS
TYPES F, HM, HM-S, S, T, HM-GJ AND HM-GJ-S

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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

FHWA

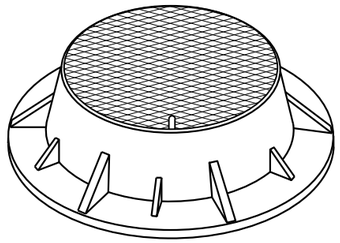
6
SDD 08A05-22c

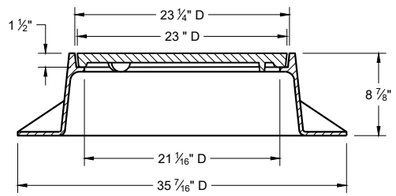
GENERAL NOTES

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

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

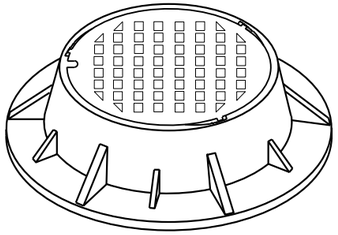
ROUND FRAMES AND COVERS SHALL HAVE CONTINUOUSLY MACHINED BEARING SURFACES TO PREVENT ROCKING AND RATTLING.

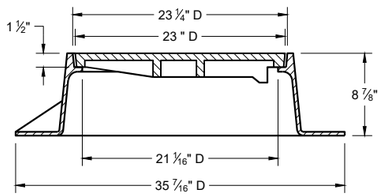




TYPE "J"

NOTE: EITHER CASTING IS ACCEPTABLE

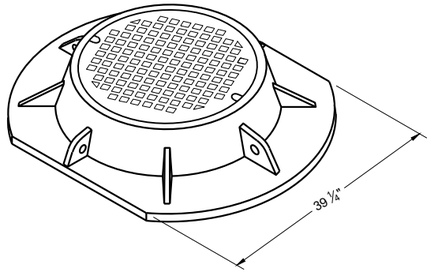


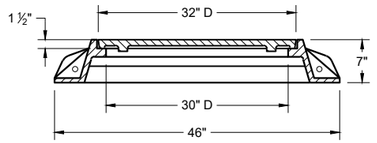


TYPE "J" SPECIAL

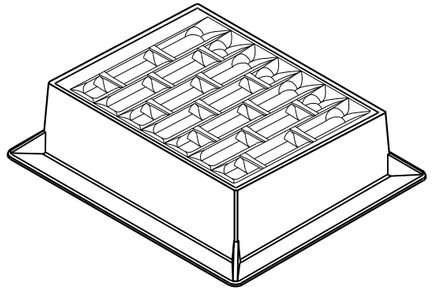
TYPE "B" NON-ROCKING SELF-SEAL LID
(NOTED AS TYPE J-S ON THE DRAINAGE TABLE)

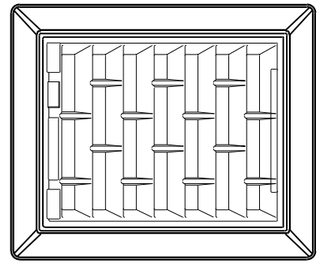
NOTE: EITHER CASTING IS ACCEPTABLE

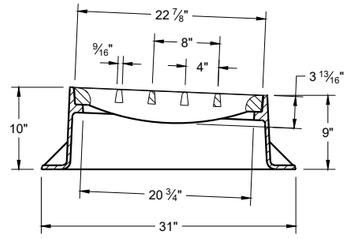


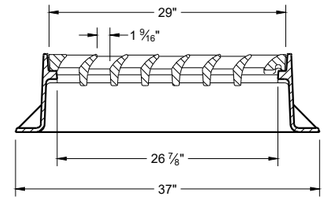


TYPE "K"

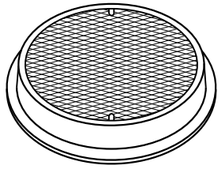


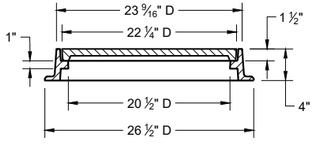




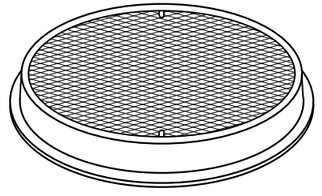


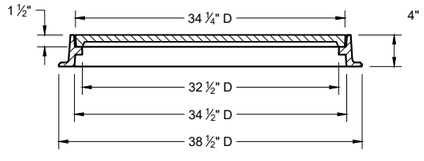
INLET COVER TYPE "BW"





TYPE "L"





TYPE "M"

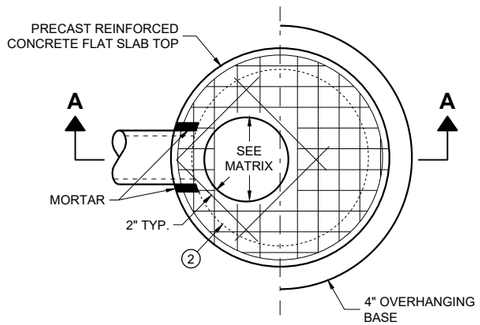
INLET COVERS TYPES BW
MANHOLE COVERS TYPES K, J, J-S, L, AND M

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

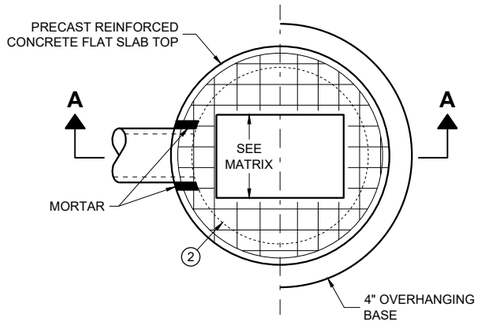
APPROVED
February 2025 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR

FHWA

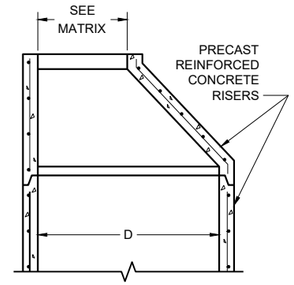
6
SDD 08A05-22e



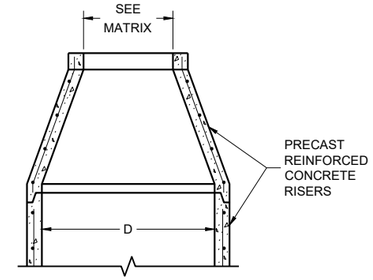
PLAN VIEW CIRCULAR OPENING



PLAN VIEW RECTANGULAR OPENING



OPTIONAL PRECAST REINFORCED CONCRETE ECCENTRIC TOP



OPTIONAL PRECAST REINFORCED CONCRETE CONCENTRIC TOP

COVER MATRIX

CATCH BASIN SIZE	INLET COVER TYPE	ALL A'S	ALL B'S	BW	C	F	ALL H'S	S	T	V V-B	VV-B	WM	Z
	OPENING SIZE (FT.)												
3-FT	2 X 2	X	X					X		X			
	2 DIA.				X								X
4-FT TO 6-FT	2 X 2	X	X					X		X			
	2 X 2.5			X				X	X	X		X	
	2 DIA.				X								X
	2 X 3						X						
	2.5 X 3					X							
	2 X 3.5*										X*		

* REQUIRES 5-FT DIAMETER OR LARGER STRUCTURE

PIPE MATRIX

CATCH BASIN SIZE	MAXIMUM INSIDE PIPE DIAMETER FOR TWO PIPES	
	180° SEPARATION (IN)	90° SEPARATION (IN)
3-FT	15	12
4-FT	24	18
5-FT	36	24
6-FT	42	30

CATCH BASINS 3-FT, 4-FT, 5-FT AND 6-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 CATCH BASIN UNITS REQUIRED FOR THE PROJECT UNTIL A LIST OF SIZES IS FURNISHED BY THE ENGINEER.

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

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

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

PRECAST REINFORCED CONCRETE CONE TOPS (ECCENTRIC OR CONCENTRIC) OR PRECAST REINFORCED CONCRETE FLAT SLAB TOPS MAY BE USED ON CONCRETE BLOCK STRUCTURES.

ECCENTRIC CONE TOPS MAY BE USED ON ALL STRUCTURES. CONCENTRIC CONE TOPS SHALL BE USE ONLY ON STRUCTURES 5 FEET OR LESS IN DEPTH UNLESS OTHERWISE DIRECTED BY THE ENGINEER.

STEPS MEETING AASHTO M199 AND THE FOLLOWING REQUIREMENTS SHALL BE INSTALLED IN ALL STRUCTURES OVER 5 FEET IN DEPTH: 16 INCH C-C MAXIMUM SPACING; PROJECT A MINIMUM CLEAR DISTANCE OF 4 INCHES FROM THE WALL AT THE POINT OF EMBEDMENT; MINIMUM LENGTH OF 10 INCHES; MINIMUM WALL EMBEDMENT OF 3 INCHES. FERROUS METAL STEPS NOT PAINTED OR TREATED TO RESIST CORROSION SHALL HAVE A MINIMUM CROSS SECTIONAL DIMENSION OF 1 INCH.

STEPS OF APPROVED POLYPROPYLENE PLASTIC COATED REINFORCEMENT BAR ARE ACCEPTABLE. REINFORCING BAR MUST BE A MINIMUM OF ½ INCH AND MEET THE REQUIREMENTS OF ASTM A615.

CERTIFICATION SHALL BE PROVIDED THAT INSTALLED STEPS WHEN TESTED IN ACCORDANCE WITH SECTION 10 OF AASHTO T280 CAN WITHSTAND A VERTICAL LOAD OF 800 LBS. AND A HORIZONTAL LOAD OF 400 LBS.

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

ALL PRECAST 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.

CONCRETE BLOCK WILL NOT BE PERMITTED FOR STRUCTURES GREATER THAN 4 FEET IN DIAMETER.

4" OVERHANGING BASES ARE REQUIRED FOR ALL CONCRETE BLOCK INSTALLATIONS. 4" OVERHANG IS REQUIRED WHEN SEPARATE PRECAST BASE IS PROVIDED. OVERHANG IS NOT REQUIRED ON PRECAST STRUCTURES WITH AN INTEGRAL OR MONOLITHIC BASE.

FOR ADDITIONAL CONFIGURATIONS, MAINTAIN A MINIMUM OF 12 INCHES AS MEASURED FROM THE INSIDE OF THE STRUCTURE WALL BETWEEN THE OUTSIDE PIPE WALLS OF ADJACENT PIPES. SEE DETAIL "D".

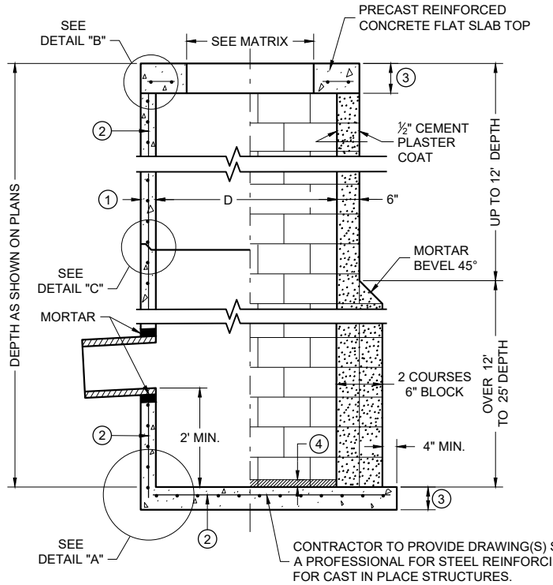
(1) MINIMUM WALL THICKNESS SHALL BE 4 INCHES FOR 3-FT, 5 INCHES FOR 4-FT, 6 INCHES FOR 5-FT AND 7 INCHES FOR 6-FT DIAMETER PRECAST CATCH BASINS.

(2) FOR PRECAST CATCH BASINS AND REINFORCED CONCRETE BASES PROVIDE REINFORCING STEEL IN ACCORDANCE TO AASHTO M199.

(3) PRECAST FLAT SLAB TOPS AND BASES WITH A DIAMETER OF 48" AND LESS SHALL HAVE A MINIMUM THICKNESS OF 6". PRECAST FLAT SLAB TOPS AND BASES WITH A DIAMETER LARGER THAN 48" SHALL HAVE A MINIMUM THICKNESS OF 8".

(4) 1" CONCRETE KEY POURED AFTER INSTALLATION. 2' SUMP MEASURED FROM TOP OF KEY.

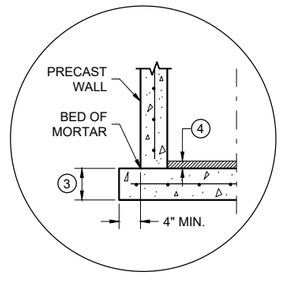
(5) JOINTS TO BE SEALED WITH A BUTYL RUBBER SEAL PER SEALANT MANUFACTURERS RECOMMENDATIONS CONFORMING TO ASTM C 990 OR RUBBER GASKETS CONFROMING TO ASTM C443.



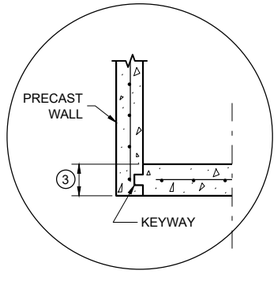
SECTION A - A

PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE

CONCRETE BLOCK WITH CAST IN PLACE OR PRECAST REINFORCED CONCRETE BASE (2)

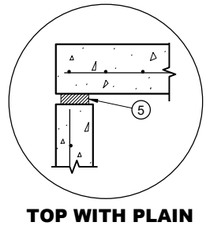


SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

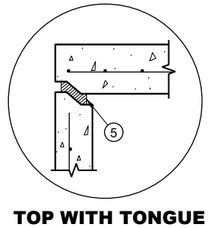


PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE OPTION

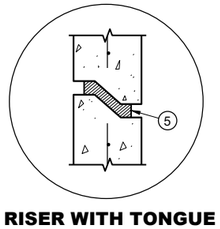
DETAIL "A"



TOP WITH PLAIN END JOINT

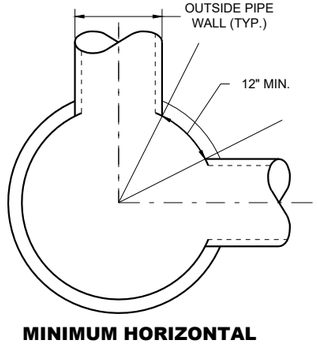


TOP WITH TONGUE AND GROOVE JOINT



RISER WITH TONGUE AND GROOVE JOINT

DETAIL "B" **DETAIL "C"**



MINIMUM HORIZONTAL PIPE SEPARATION

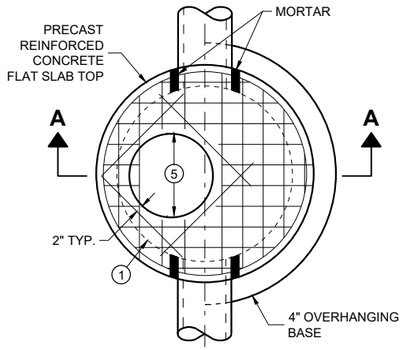
DETAIL "D"

CATCH BASINS, 3-FT. 4-FT., 5 FT., AND 6-FT. DIAMETER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

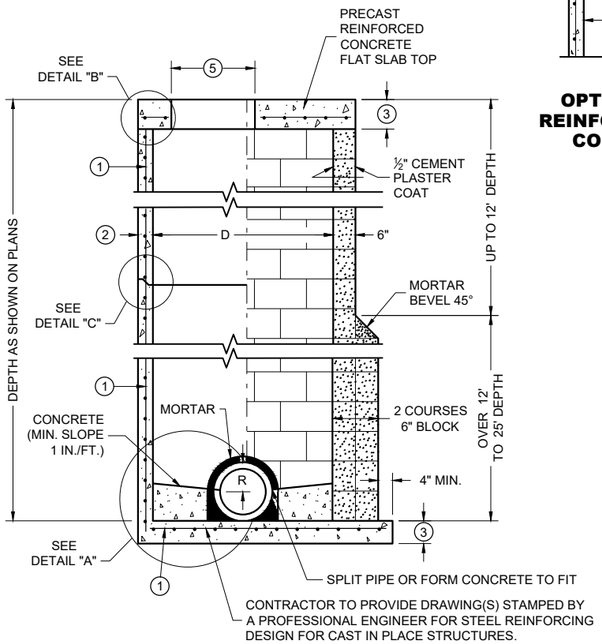
APPROVED
December 2023 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR
FHWA

6
SDD 08A08-03



PLAN VIEW

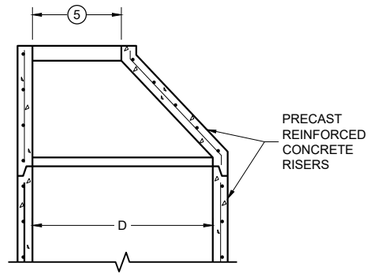
CIRCULAR OPENING



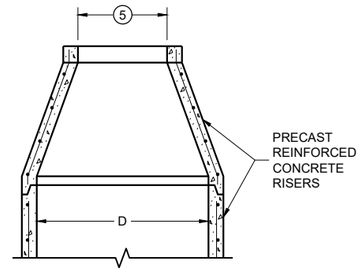
SECTION A - A

PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE

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



OPTIONAL PRECAST REINFORCED CONCRETE ECCENTRIC TOP



OPTIONAL PRECAST REINFORCED CONCRETE CONCENTRIC TOP

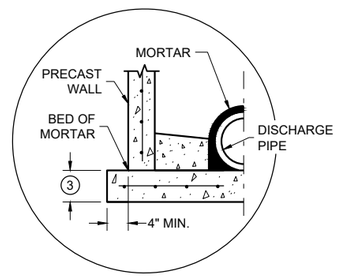
MANHOLE COVER OPENING MATRIX

OPENING SIZE (FT.) (5) \ MANHOLE COVER TYPE	C	ALL J'S	K	L	M
2 DIA.	X	X		X	
3 DIA.			X		X

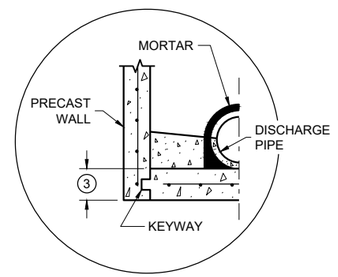
PIPE MATRIX

MANHOLE SIZE (DIA.)	MAXIMUM INSIDE PIPE DIAMETER FOR TWO PIPES		MINIMUM WALL THICKNESS (IN)	MINIMUM PRECAST FLAT SLAB TOP AND BASE THICKNESS
	180° SEPARATION (IN)	90° SEPARATION (IN)		
3-FT	15	12	4	6
4-FT	24	18	4	6
5-FT	36	24	5	8
6-FT	42	36	6	8
7-FT	48	36/42 *	7	8
8-FT	60	42	8	8
9-FT	66	54	9	10
10-FT	72	60	10	10

*A 36" PIPE AND A 42" PIPE CAN BE PLACED WITHIN 90 DEGREES. SEE MINIMUM HORIZONTAL PIPE SEPARATION DETAIL.

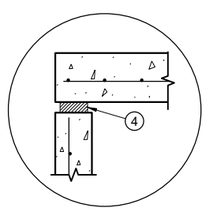


SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

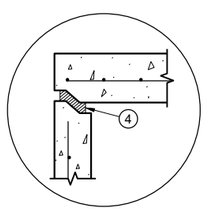


PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE OPTION

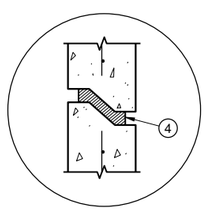
DETAIL "A"



TOP WITH PLAIN END JOINT

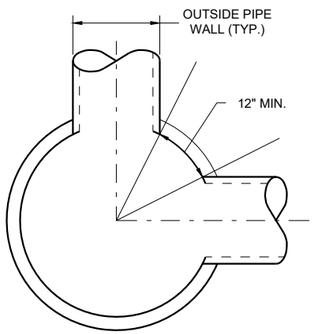


TOP WITH TONGUE AND GROOVE JOINT



RISER WITH TONGUE AND GROOVE JOINT

DETAIL "B" **DETAIL "C"**



MINIMUM HORIZONTAL PIPE SEPARATION

DETAIL "D"

GENERAL NOTES

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

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

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

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

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

PRECAST REINFORCED CONCRETE CONE TOPS (ECCENTRIC OR CONCENTRIC) OR PRECAST REINFORCED CONCRETE FLAT SLAB TOPS MAY BE USED ON CONCRETE BLOCK STRUCTURES.

ECCENTRIC CONE TOPS MAY BE USED ON ALL STRUCTURES. CONCENTRIC CONE TOPS SHALL BE USED ONLY ON STRUCTURES 5 FEET OR LESS IN DEPTH UNLESS OTHERWISE DIRECTED BY THE ENGINEER.

STEPS MEETING AASHTO M199 AND THE FOLLOWING REQUIREMENTS SHALL BE INSTALLED IN ALL STRUCTURES OVER 5 FEET IN DEPTH: 16 INCH C-C MAXIMUM SPACING; PROJECT A MINIMUM CLEAR DISTANCE OF 4 INCHES FROM THE WALL AT THE POINT OF EMBEDMENT; MINIMUM LENGTH OF 10 INCHES; MINIMUM WALL EMBEDMENT OF 3 INCHES. FERROUS METAL STEPS NOT PAINTED OR TREATED TO RESIST CORROSION SHALL HAVE A MINIMUM CROSS SECTIONAL IMENSION OF 1 INCH.

STEPS OF APPROVED POLYPROPYLENE PLASTIC COATED REINFORCEMENT BAR ARE ACCEPTABLE. REINFORCING BAR MUST BE A MINIMUM OF ½ INCH AND MEET THE REQUIREMENTS OF ASTM A615.

CERTIFICATION SHALL BE PROVIDED THAT INSTALLED STEPS WHEN TESTED IN ACCORDANCE WITH SECTION 10 OF AASHTO T280 CAN WITHSTAND A VERTICAL LOAD OF 800 LBS. AND A HORIZONTAL LOAD OF 400 LBS.

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

ALL PRECAST MANHOLE UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF AASHTO DESIGNATION M199.

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

CONCRETE BLOCK WILL NOT BE PERMITTED FOR STRUCTURES GREATER THAN 4 FEET IN DIAMETER.

4" OVERHANGING BASES ARE REQUIRED FOR ALL CONCRETE BLOCK INSTALLATIONS. 4" OVERHANG IS REQUIRED WHEN SEPARATE PRECAST BASE IS PROVIDED. OVERHANG IS NOT REQUIRED ON PRECAST STRUCTURES WITH AN INTEGRAL OR MONOLITHIC BASE.

FOR ADDITIONAL CONFIGURATIONS, MAINTAIN A MINIMUM OF 12 INCHES AS MEASURED FROM THE INSIDE OF THE STRUCTURE WALL BETWEEN THE OUTSIDE PIPE WALLS OF ADJACENT PIPES. SEE DETAIL "D".

(1) FOR PRECAST MANHOLES AND REINFORCED CONCRETE BASES PROVIDE REINFORCING STEEL IN ACCORDANCE TO AASHTO M199.

(2) SEE PIPE MATRIX TABLE FOR MINIMUM WALL THICKNESS FOR PRECAST MANHOLES

(3) SEE PIPE MATRIX TABLE FOR MINIMUM THICKNESS OF PRECAST FLAT SLAB TOPS AND BASES.

(4) JOINTS TO BE SEALED WITH A BUTYL RUBBER SEAL PER SEALANT MANUFACTURERS RECOMMENDATIONS CONFORMING TO ASTM C 990 OR RUBBER GASKETS CONFORMING TO ASTM C443.

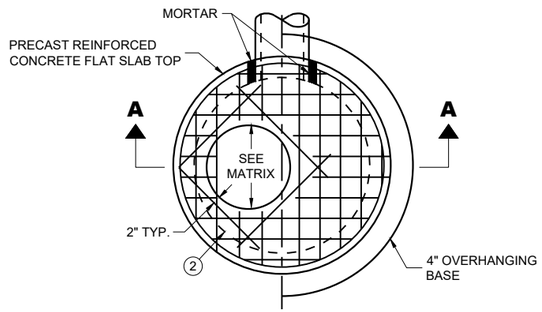
(5) SEE MANHOLE COVER OPENING MATRIX.

MANHOLES 3-FT, 4-FT, 5-FT, 6-FT, 7-FT, 8-FT, 9-FT AND 10-FT DIAMETER

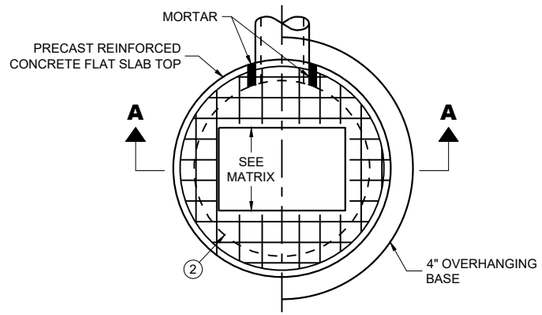
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
December 2023 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR

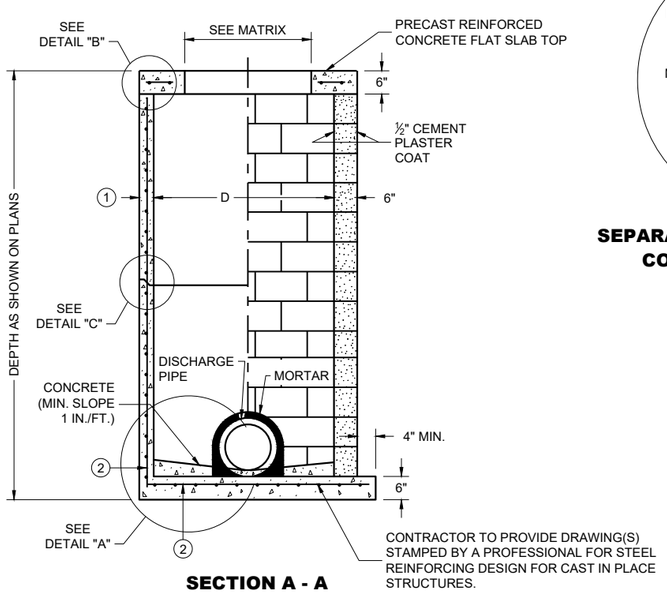
FHWA



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)

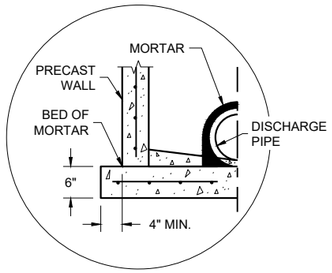
CIRCULAR INLETS WITH FLAT TOP

CATCH BASIN COVER OPENING MATRIX

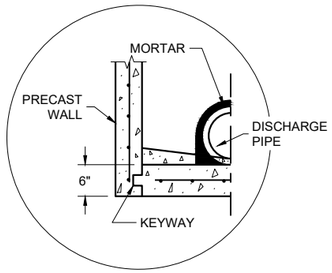
INLET SIZE	INLET COVER TYPE	ALL A'S	ALL B'S	BW	C	F	ALL H'S	S	T	V	WM	Z
	OPENING SIZE (FT.)											
3-FT	2 DIA.				X							X
	2 X 2	X	X					X		X		
4-FT	2 DIA.				X							X
	2 X 2	X	X					X		X		
	2 X 2.5			X				X	X	X	X	
	2 X 3						X					
	2.5 X 3					X						

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

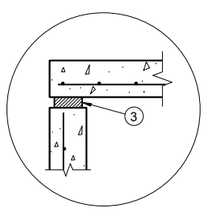


SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

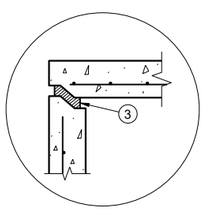


PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE OPTION

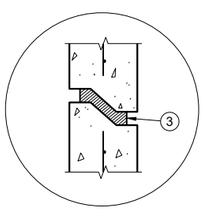
DETAIL "A"



TOP WITH PLAIN END JOINT



TOP WITH TONGUE AND GROOVE JOINT



RISER WITH TONGUE AND GROOVE JOINT

DETAIL "B" **DETAIL "C"**

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.

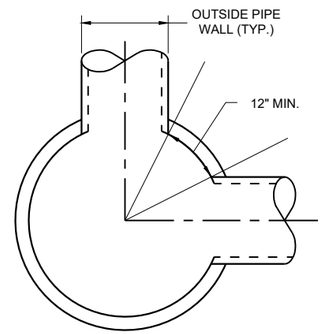
4" OVERHANGING BASES ARE REQUIRED FOR ALL CONCRETE BLOCK INSTALLATIONS. 4" OVERHANG IS REQUIRED WHEN SEPARATE PRECAST BASE IS PROVIDED. OVERHANG IS NOT REQUIRED ON PRECAST STRUCTURES WITH AN INTEGRAL OR MONOLITHIC BASE.

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"

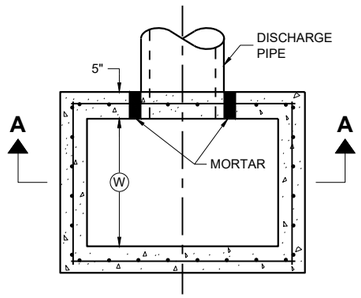
INLETS 3-FT AND 4-FT DIAMETER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

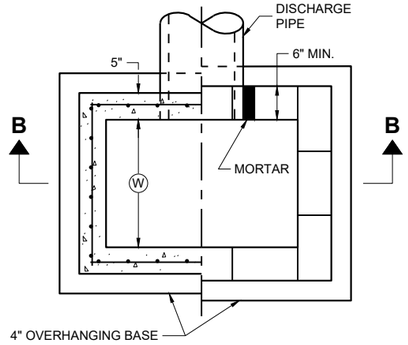
APPROVED
December 2023 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR

FHWA

6
SDD 08C06-03



PLAN VIEW



PLAN VIEW

GENERAL NOTES

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

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

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

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

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

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

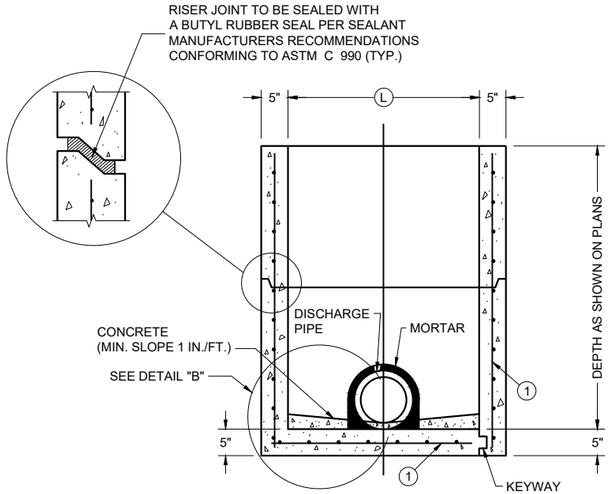
ALL BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2 INCHES CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

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

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

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

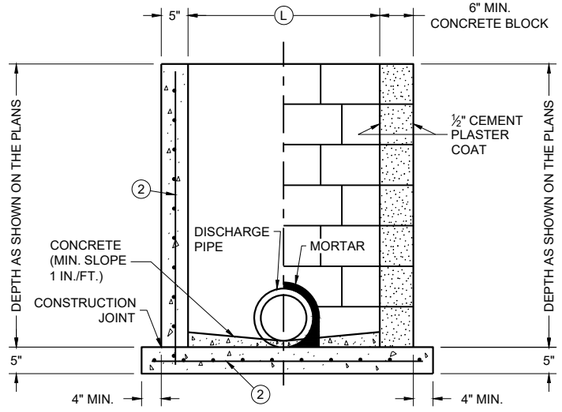
(1) FOR PRECAST INLETS AND REINFORCED CONCRETE BASES PROVIDE REINFORCING STEEL IN ACCORDANCE TO ASTM C 913
(2) CONTRACTOR TO PROVIDE DRAWING(S) STAMPED BY A PROFESSIONAL ENGINEER FOR STEEL REINFORCING DESIGN FOR CAST-IN-PLACE STRUCTURES.



PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE

PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE

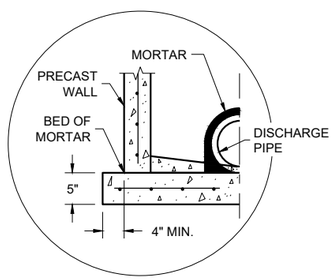
SECTION A - A



CAST IN PLACE REINFORCED CONCRETE

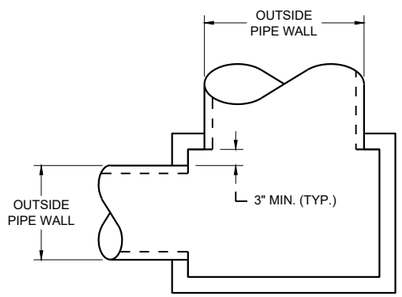
CONCRETE BLOCK WITH CAST IN PLACE OR PRECAST REINFORCED CONCRETE BASE (1)

SECTION B - B



SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

DETAIL "B"



DETAIL "A"

CATCH BASIN COVER MATRIX

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

PIPE MATRIX

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

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

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

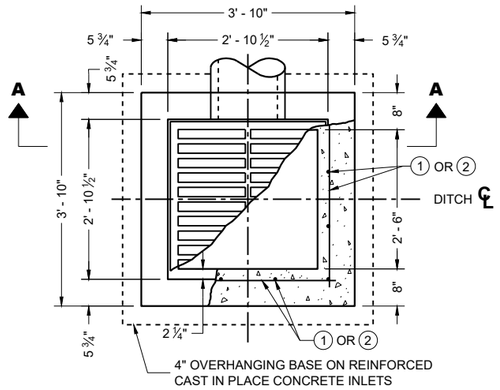
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
December 2023
DATE

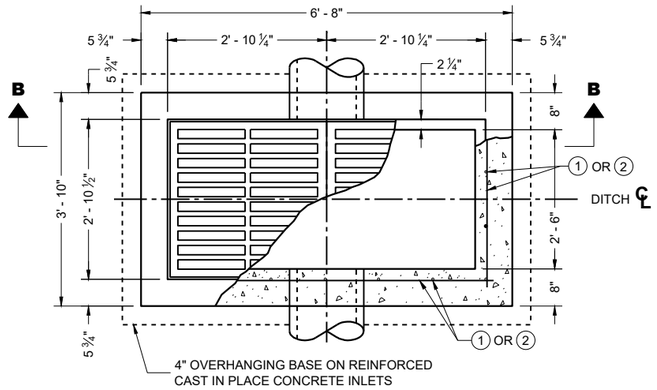
/S/ Rodney Taylor
ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR

FHWA

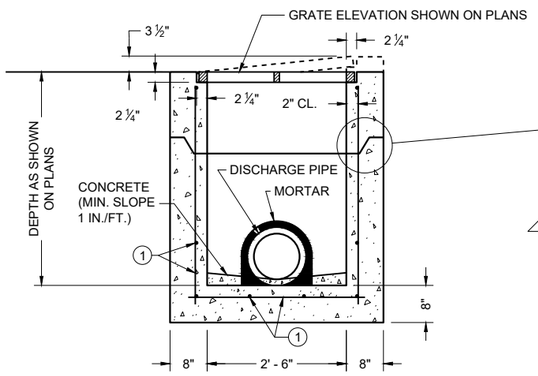
6
SDD 08C07-03



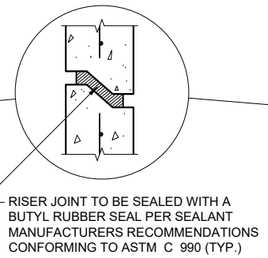
PLAN VIEW

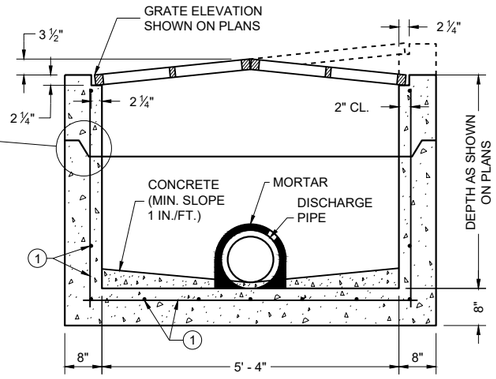


PLAN VIEW

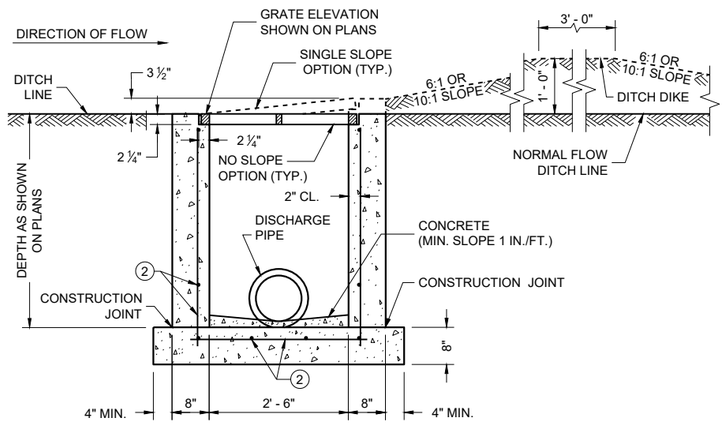


PRECAST REINFORCED CONCRETE SECTION A - A



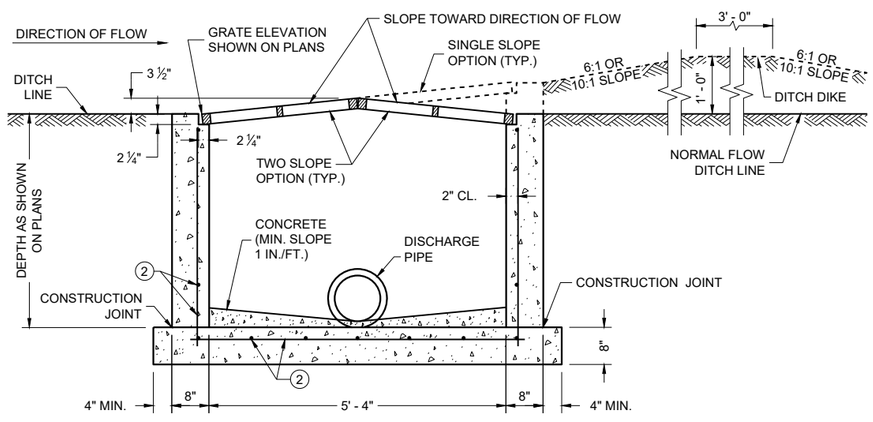


PRECAST REINFORCED CONCRETE SECTION B - B



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

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

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

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR 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.

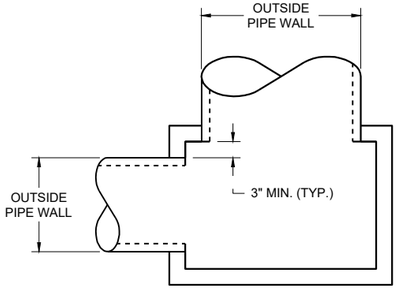
ALL BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2 INCHES CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

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

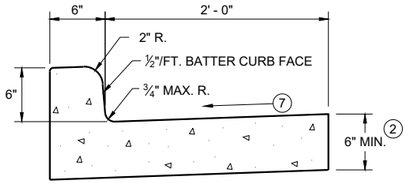
FHWA

6

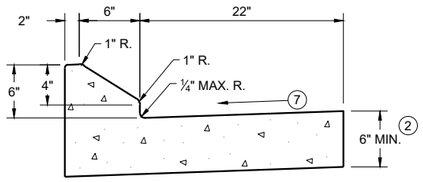
SDD 08C08-03

6

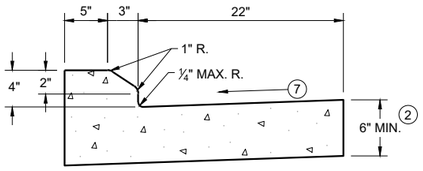
SDD 08C08-03



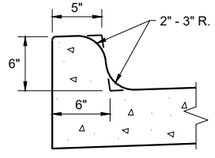
TYPES A (1) & D



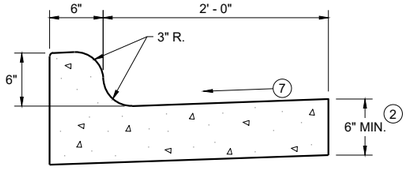
6" SLOPED CURB TYPES G (1) & J



4" SLOPED CURB TYPES G (1) & J

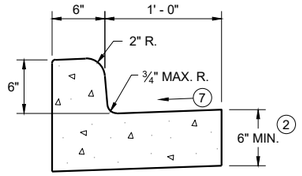


TYPES K (1) & L
(OPTIONAL CURB SHAPE)



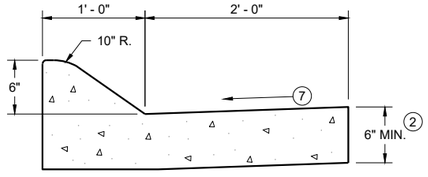
TYPES K (1) & L

CONCRETE CURB AND GUTTER 30"

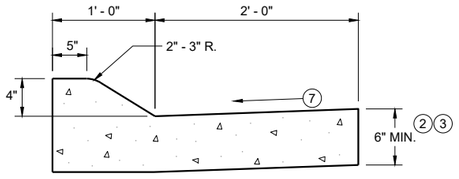


TYPES A (1) & D

CONCRETE CURB AND GUTTER 18"

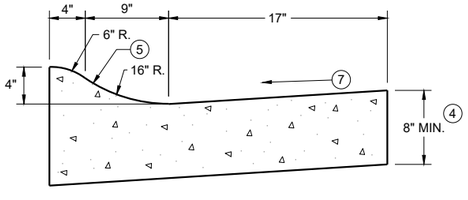


6" SLOPED CURB TYPES A (1) & D



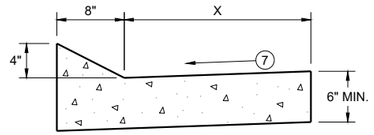
4" SLOPED CURB TYPES A (1) & D

CONCRETE CURB AND GUTTER 36"



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

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

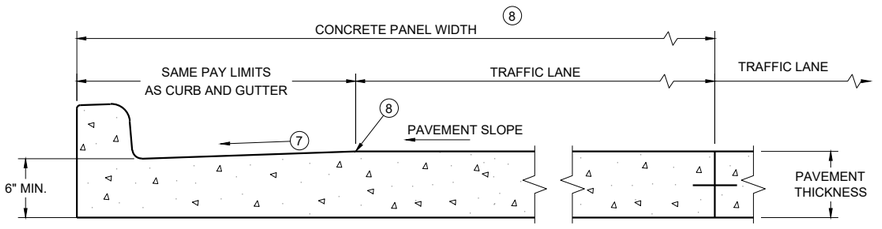


TYPES TBT & TBTT (1)

CONCRETE CURB AND GUTTER

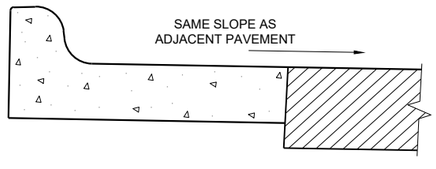
PAVEMENT THICKNESS AND MAXIMUM CONCRETE PANEL WIDTH TABLE

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.

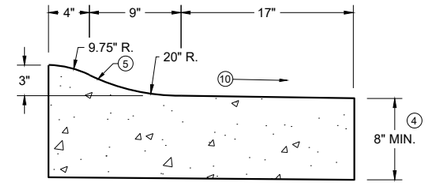
(5) UNLESS OTHERWISE NOTED, FOR STAKING PURPOSES THE FACE OF CURB IS 6" FROM THE BACK OF CURB.

(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.

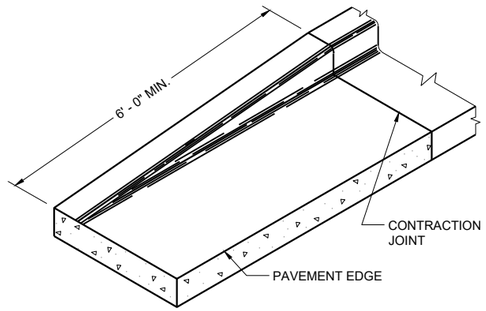
(9) SLOPE TO BE REVERSE SLOPE MATCHING THE SLOPE OF THE PAVEMENT AND THE CIRCULATORY ROADWAY



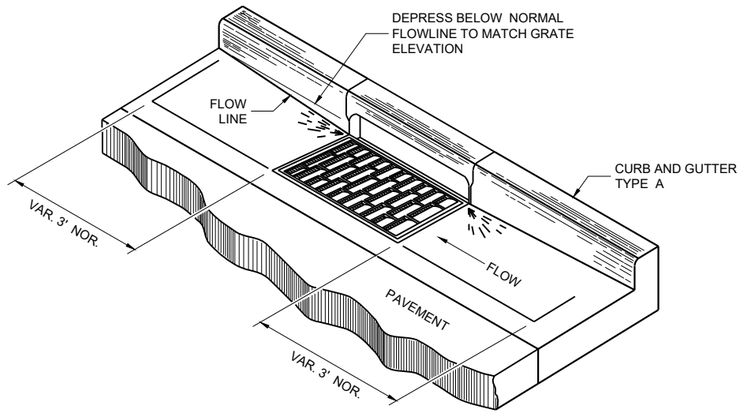
3" SLOPED CURB TYPES R (1) & T

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.

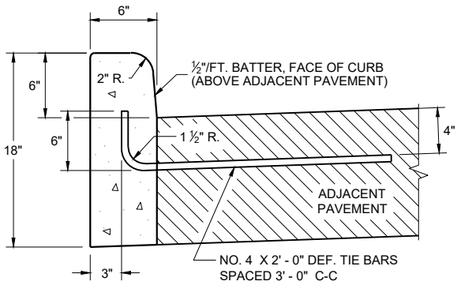
UNLESS OTHERWISE SHOWN ON THE TYPICAL CROSS SECTIONS, THE BASE AGGREGATE AND COMMON EXCAVATION LIMITS ARE 2' - 0" BEHIND THE BACK OF CURBS.

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

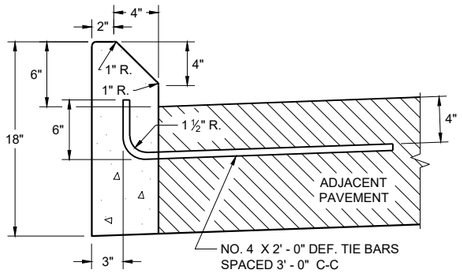
(2) THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE AGGREGATE PROVIDED A 6" MINIMUM GUTTER THICKNESS IS MAINTAINED.

(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.

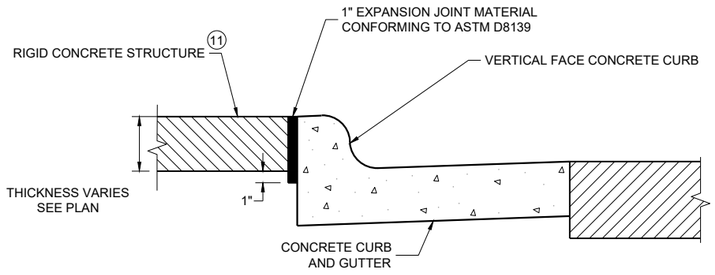


TYPES A (1) & D

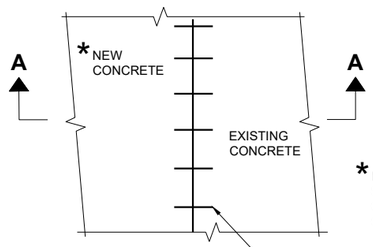


TYPES G (1) & J

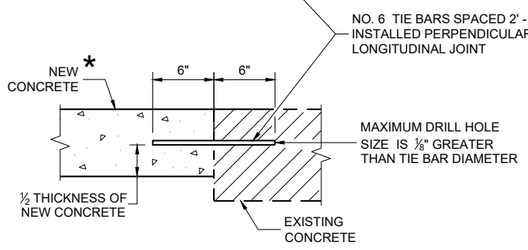
CONCRETE CURB



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

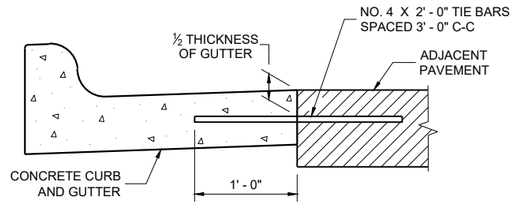


PLAN VIEW

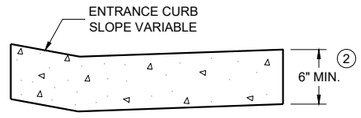


SECTION A - A

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

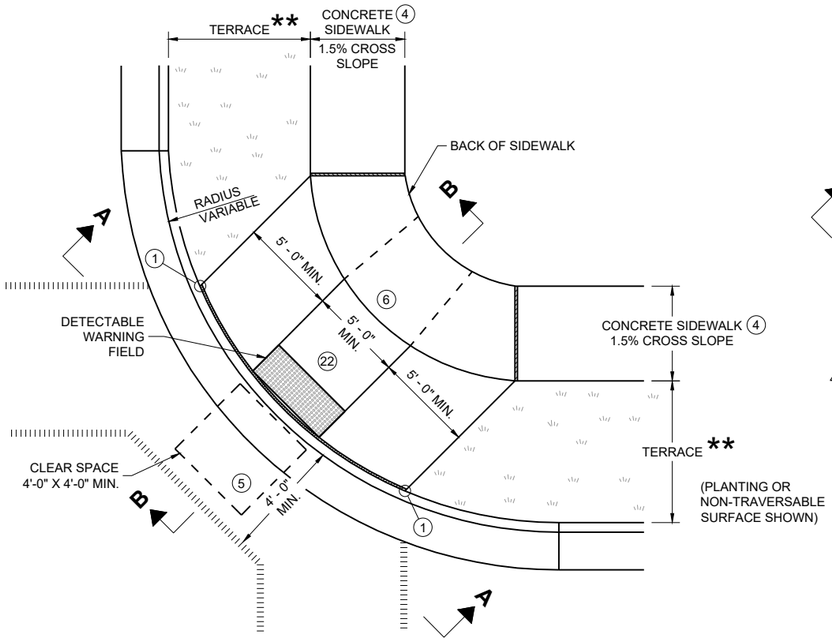
APPROVED
February 2025 — DATE
/S/ Rodnery Taylor — ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR

FHWA

6

SDD 08D01-24b

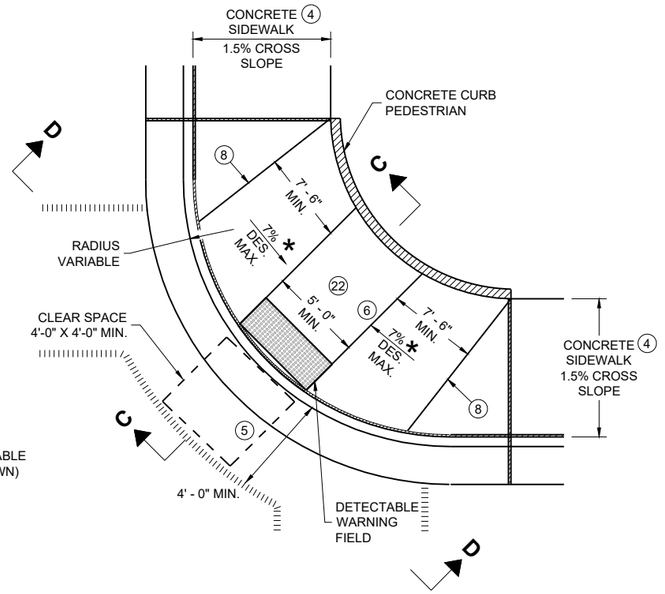
SDD 08D01-24b



PLAN VIEW

CURB RAMP TYPE 1

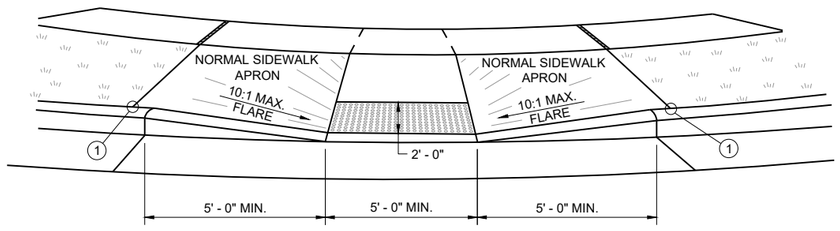
(CENTER OF CORNER RADIUS)



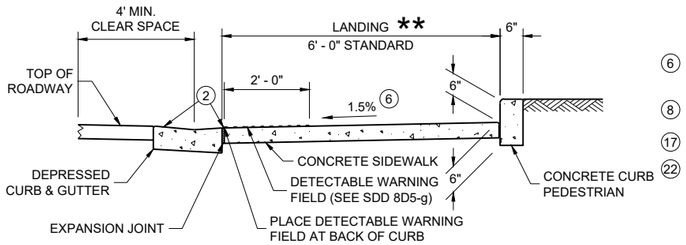
PLAN VIEW

CURB RAMP TYPE 1 - A

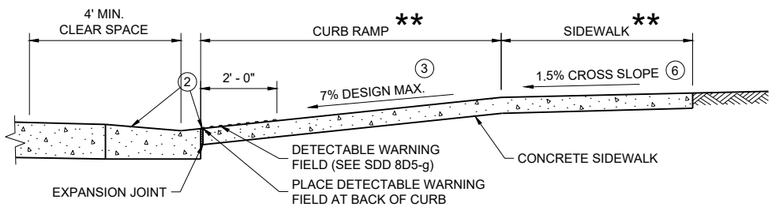
(NO TERRACE)



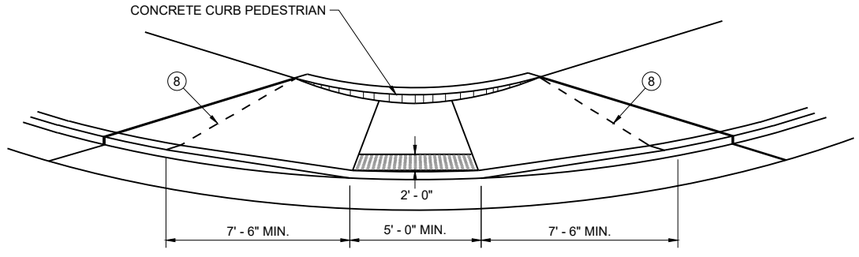
VIEW A - A FOR TYPE 1



SECTION C - C FOR TYPE 1 - A



SECTION B - B FOR TYPE 1



VIEW D - D FOR TYPE 1 - A

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF CURB RAMP ACCESS AREAS.

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

WHEN NECESSARY, THE SIDEWALK ELEVATION MAY BE LOWERED TO MEET THE HIGH POINT ON THE CURB RAMP.

TYPE 1 CURB RAMPS SHALL HAVE A NORMAL SIDEWALK APRON AND CURB ON BOTH SIDES OF CURB RAMP.

DETECTABLE WARNING FILED SHALL BE MEASURED AND PAID BY THE SQUARE FOOT AS "CURB RAMP DETECTABLE WARNING FIELD". THE CONCRETE PEDESTRIAN CURB, IF NEEDED, SHALL BE MEASURED AND PAID BY THE LINEAR FOOT AS "CONCRETE CURB PEDESTRIAN". CONCRETE SIDEWALK IN THE CURB RAMP AREA SHALL BE MEASURED AND PAID BY THE SQUARE FOOT AS CONCRETE SIDEWALK, INCLUDING THE AREA UNDER THE DETECTABLE WARNING FIELD.

SELECT CURB RAMP DETECTABLE WARNING FIELD MATERIALS AND DEVICES FROM THE DEPARTMENT'S APPROVED MATERIALS LIST. THE COLOR OF THE DETECTABLE WARNING FIELD IS SPECIFIED ELSEWHERE AND IS INCIDENTAL TO THE BID ITEM OF "CURB RAMP DETECTABLE WARNING FIELD"

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

SURFACE TEXTURE OF THE RAMP SHALL BE OBTAINED BY COARSE BROOMING TRANSVERSE TO THE SLOPE OF THE CURB RAMP.

(1) THIS POINT IS AN EXTENSION OF OUTSIDE EDGE OF APPROACHING SIDEWALK WHERE IT MEETS THE BACK OF CONCRETE CURB. POINT LOCATION MAY BE ADJUSTED TO ALIGN WITH BEGINNING OF FULL-HEIGHT CURB IF THIS DISTANCE IS SHORT.

(2) GRADE CHANGE BETWEEN GUTTER COUNTER SLOPE AND THE CURB RAMP SLOPE IS DESIRABLY 11% OR LESS AND SHALL NOT EXCEED 13.3%. TYPICAL GUTTER COUNTER SLOPE IS 4% BUT MAY BE MODIFIED TO FIT FIELD CONDITIONS. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5%, DESIRABLY 7% OR LESS, AND SHALL NOT EXCEED A MAXIMUM OF 8.3%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) MAXIMUM 8.3% CURB RAMP SLOPE IS ALLOWABLE WITH GUTTER COUNTER SLOPE OF 5% MAXIMUM AND A 13.3% MAXIMUM GRADE CHANGE.

(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2.1% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(5) PROVIDE A CLEAR SPACE IN THE STREET AND GUTTER AREA. WHEN THE GUTTER CROSS SLOPE EXCEEDS 2.1%, CONSTRUCT THE CLEAR SPACE IN THE STREET AREA AND THE 4 FOOT WIDTH IS MEASURED FROM THE FLANGE LINE. FOR RECONSTRUCTION AND MODERNIZATION PROJECTS THE CLEAR SPACE SLOPE PARALLEL TO THE CURBLINE SHOULD BE 2.1% MAX FOR CROSSINGS THAT ARE STOP AND YIELD CONTROLLED, AND 5% MAX FOR THOSE THAT ARE SIGNAL CONTROLLED. FOR PERPETUATION AND REHABILITATION PROJECTS THE SLOPE OF THE CLEAR SPACE PARALLEL TO THE CURBLINE WILL MATCH THE ROADWAY LONGITUDINAL SLOPE. THE SLOPE OF THE CLEAR SPACE PERPENDICULAR TO THE CURBLINE WILL MATCH THE ROADWAY CROSS SLOPE BUT SHOULD NOT EXCEED 5% UNLESS THE ROADWAY IS SUPERELEVATED (WHEN SUPERELEVATED THE ROADWAY CROSS SLOPE SHOULD MATCH THE SUPERELEVATION).

(6) PROVIDE A 5 FOOT BY 5 FOOT LANDING. SLOPE PERPENDICULAR TO CURB SHALL BE 2.1% MAXIMUM. SLOPE PARALLEL TO CURB SHALL MATCH THE CURB AND GUTTER LONGITUDINAL SLOPE.

(8) PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.

(17) A MAXIMUM 2-INCH CONCRETE BORDER IS PERMITTED ALONG ALL SIDES OF THE DETECTABLE WARNING FIELD SURFACE.

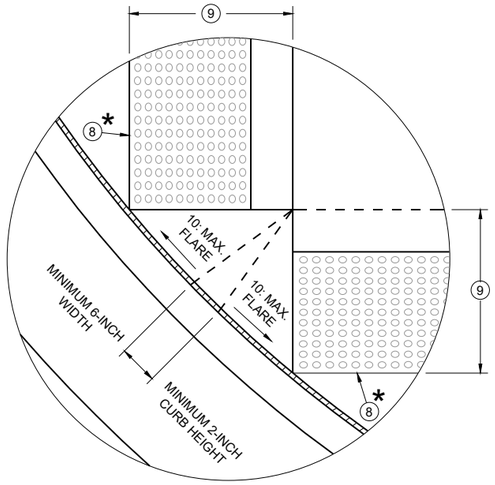
(22) THE ENTIRE RAMP SHALL BE A PLANAR SURFACE. DO NOT WARP THE RUNNING SLOPE OR CROSS SLOPE OF THE RAMP. WARPING OF THE SIDEWALK CROSS SLOPE SHALL TAKE PLACE BETWEEN THE LANDING AND MATCH POINT.

LEGEND

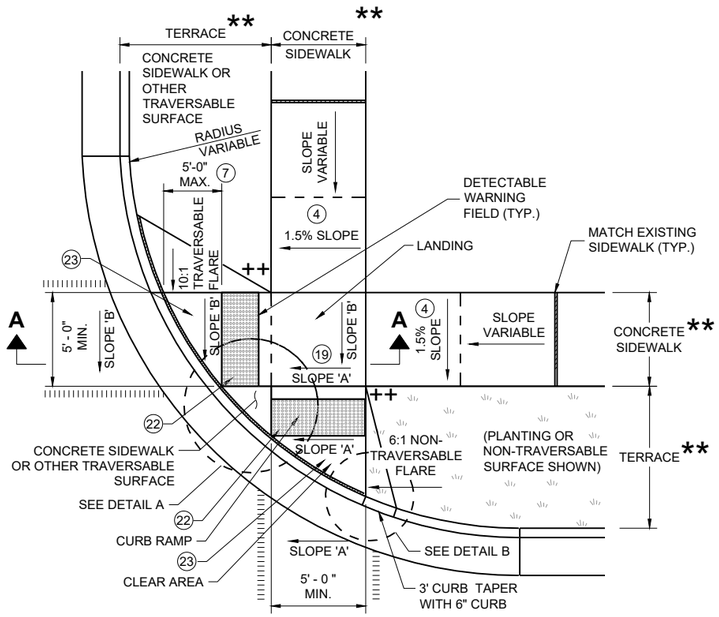
- ½" EXPANSION JOINT SIDEWALK
- CONTRACTION JOINT FIELD LOCATED
- PAVEMENT MARKING CROSSWALK (WHITE)
- * MAXIMUM 8.3%
- ** WIDTH SHOWN ELSEWHERE IN THE PLANS

CURB RAMPS TYPE 1 AND 1-A

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



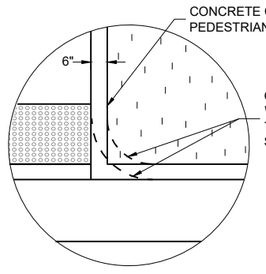
DETAIL A



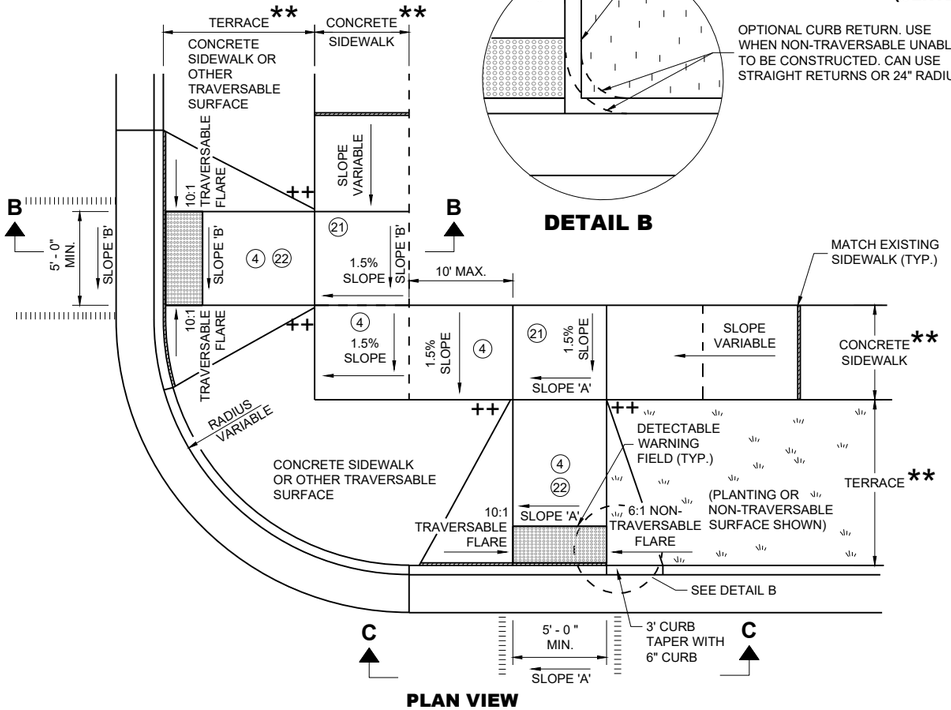
PLAN VIEW

CURB RAMP TYPE 2

(CENTER OF CORNER RADIUS)



DETAIL B



PLAN VIEW

CURB RAMP TYPE 3

(OUTSIDE OF CROSSWALK AREA)

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF CURB RAMP ACCESS AREAS.

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

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE SHALL BE FROM THE SAME MANUFACTURER.

(2) GRADE CHANGE BETWEEN GUTTER COUNTER SLOPE AND THE CURB RAMP SLOPE IS DESIRABLY 11% OR LESS AND SHALL NOT EXCEED 13.3%. TYPICAL GUTTER COUNTER SLOPE IS 4% BUT MAY BE MODIFIED TO FIT FIELD CONDITIONS. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5%, DESIRABLY 7% OR LESS, AND SHALL NOT EXCEED A MAXIMUM OF 8.3%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) MAXIMUM 8.3% CURB RAMP SLOPE IS ALLOWABLE WITH GUTTER COUNTER SLOPE OF 5% MAXIMUM AND A 13.3% MAXIMUM GRADE CHANGE.

(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2.1% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(7) WHEN GRADE BREAK DISTANCE EXCEEDS 5 FEET, USE RADIAL DETECTABLE WARNING FIELD PER SDD 8D5-f.

(8) PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.

(9) WHEN DISTANCE IS LESS THAN 6' - 0", IT MAY BE DIFFICULT TO ACHIEVE A 7% DESIGN MAXIMUM SLOPE OR FLATTER ALONG THE RAMP. REDUCE CURB HEIGHT IN TRIANGLE AREA TO ACHIEVE 7% DESIGN MAXIMUM SLOPE OR FLATTER ON RAMP. CONSTRUCT 2-INCH MINIMUM CURB HEIGHT BETWEEN 10:1 FLARES.

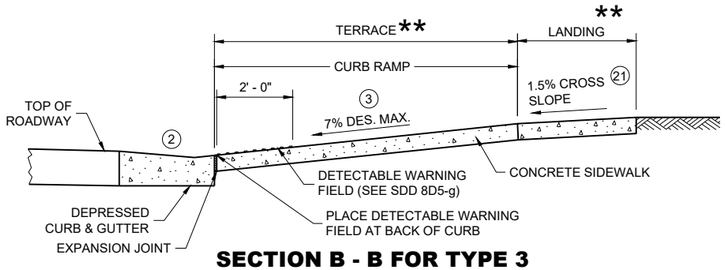
(17) A MAXIMUM 2-INCH CONCRETE BORDER IS PERMITTED ALONG ALL SIDES OF THE DETECTABLE WARNING FIELD SURFACE.

(19) WHERE A LANDING SERVES TWO CURB RAMPS, THE LANDING SLOPE SHALL NOT EXCEED THE CROSS SLOPE AT THE BOTTOM OF THE RAMP OR WITHIN THE CROSSWALK PARALLEL TO THE DIRECTION OF TRAVEL.

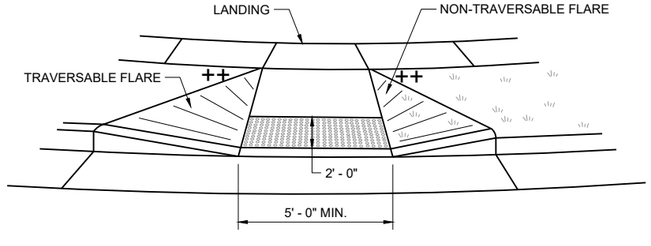
(21) PROVIDE A LANDING WITH A SLOPE PARALLEL TO ROADWAY THAT MATCHES SLOPE AT THE BOTTOM OF THE ADJACENT RAMP. SLOPE PERPENDICULAR TO ROADWAY SHALL BE 2.1% MAXIMUM. STANDARD LANDING SIZE IS 5 FEET BY 5 FEET.

(22) THE ENTIRE RAMP SHALL BE A PLANAR SURFACE. DO NOT WARP THE RUNNING SLOPE OR CROSS SLOPE OF THE RAMP. WARPING OF THE SIDEWALK CROSS SLOPE SHALL TAKE PLACE BETWEEN THE LANDING AND MATCH POINT.

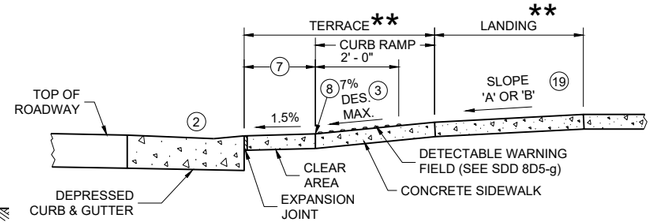
(23) THE CLEAR AREA BETWEEN THE BOTTOM OF RAMP AND BACK OF CURB SHALL BE SLOPED SO THAT WATER DRAINS OUT OF ONE SIDE OR BOTH SIDES OF THE CURB OPENING.



SECTION B - B FOR TYPE 3



VIEW C - C FOR TYPE 3



SECTION A - A FOR TYPE 2

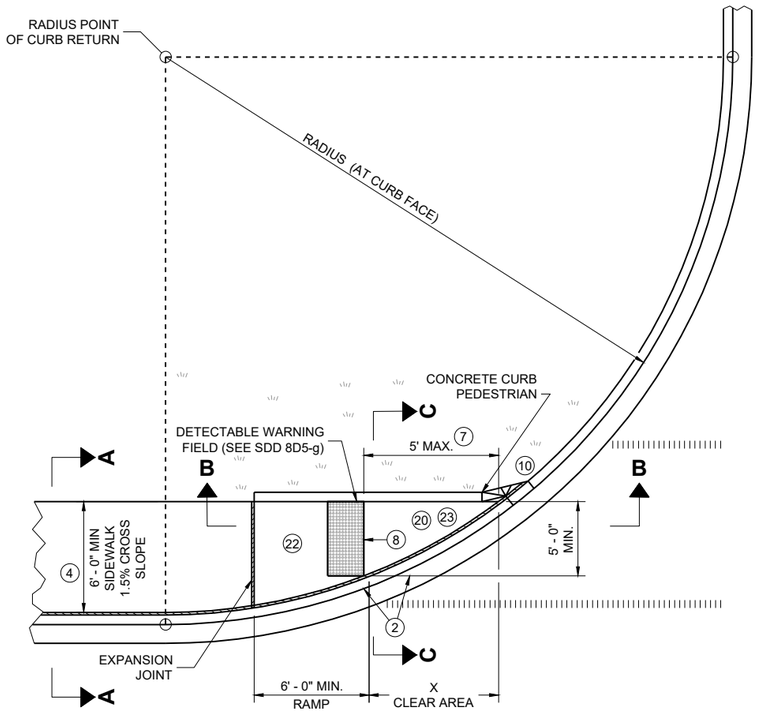
LEGEND

▨	½" EXPANSION JOINT SIDEWALK
– – – –	CONTRACTION JOINT SIDEWALK
ıllıllıllıllıl	PAVEMENT MARKING CROSSWALK (WHITE)
*	MAXIMUM 2.1% SLOPE IN ALL DIRECTIONS IN FRONT OF GRADE BREAK
**	WIDTH SHOWN ELSEWHERE IN THE PLANS
++	CONSTRUCT 6" WEDGE TO AVOID CONCRETE BREAKAGE

CURB RAMPS TYPE 2 AND 3

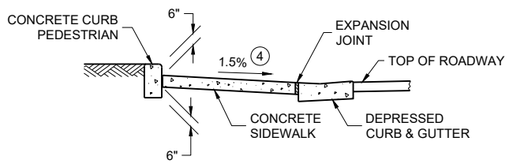
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

SDD 08D05-22b

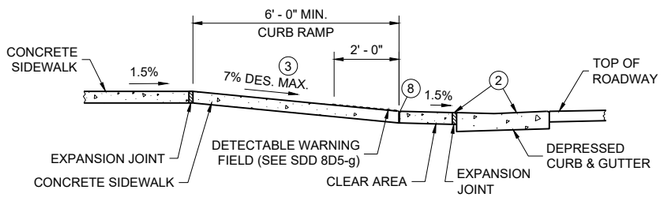


PLAN VIEW

CURB RAMP TYPE 4A



SECTION C - C FOR TYPE 4A



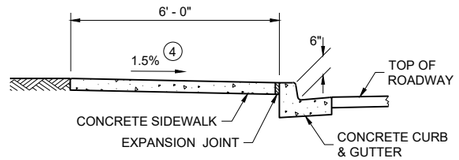
SECTION B - B FOR TYPE 4A AND TYPE 4A1

LEGEND

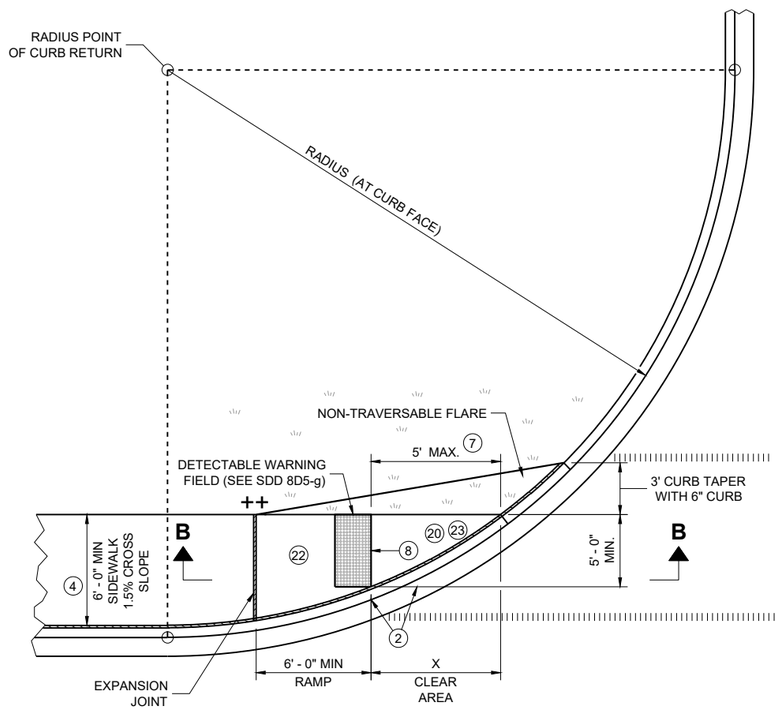
- ½" EXPANSION JOINT SIDEWALK
- CONTRACTION JOINT SIDEWALK
- PAVEMENT MARKING CROSSWALK (WHITE)
- ++ CONSTRUCT 6" WEDGE TO AVOID CONCRETE BREAKAGE

RADIUS (AT CURB FACE)	X
10 FEET	4' - 7"

INTERMEDIATE RADII CAN BE INTERPOLATED



SECTION A - A FOR TYPE 4A



PLAN VIEW

CURB RAMP TYPE 4A1

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF CURB RAMP ACCESS AREAS.

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

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

(2) GRADE CHANGE BETWEEN GUTTER COUNTER SLOPE AND THE CURB RAMP SLOPE IS DESIRABLY 11% OR LESS AND SHALL NOT EXCEED 13.3%. TYPICAL GUTTER COUNTER SLOPE IS 4% BUT MAY BE MODIFIED TO FIT FIELD CONDITIONS. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5%, DESIRABLY 7% OR LESS, AND SHALL NOT EXCEED A MAXIMUM OF 8.3%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) MAXIMUM 8.3% CURB RAMP SLOPE IS ALLOWABLE WITH GUTTER COUNTER SLOPE OF 5% MAXIMUM AND A 13.3% MAXIMUM GRADE CHANGE.

(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2.1% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(7) WHEN THIS GRADE BREAK DISTANCE EXCEEDS 5 FEET, USE RADIAL DETECTABLE WARNING FIELD PER SDD 8D5-f.

(8) PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.

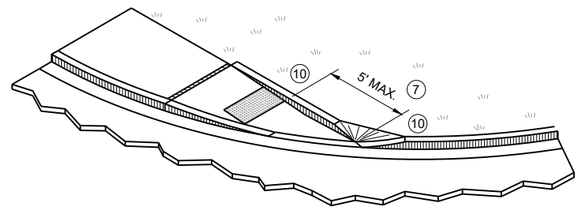
(10) INSTALL TRANSITION NOSE (INCIDENTAL TO OTHER PAY ITEMS). DO NOT MARK TRANSITION NOSE.

(17) A MAXIMUM 2-INCH CONCRETE BORDER IS PERMITTED ALONG ALL SIDES OF THE DETECTABLE WARNING FIELD SURFACE.

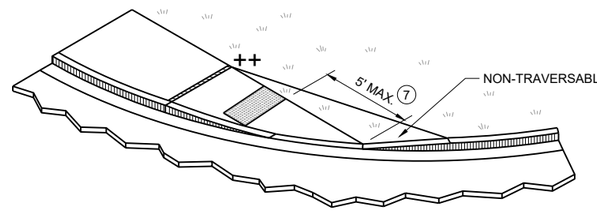
(20) MAXIMUM 1.5% DESIGN MAXIMUM AND 2.1% PROWAG MAXIMUM RUNNING SLOPE ON CLEAR AREA. CROSS SLOPE OF CLEAR AREA SHALL MATCH THE CROSS SLOPE OF THE ADJACENT CROSSWALK.

(22) THE ENTIRE RAMP SHALL BE A PLANAR SURFACE. DO NOT WARP THE RUNNING SLOPE OR CROSS SLOPE OF THE RAMP. WARPING OF THE SIDEWALK CROSS SLOPE SHALL TAKE PLACE BETWEEN THE LANDING AND MATCH POINT.

(23) THE CLEAR AREA BETWEEN THE BOTTOM OF RAMP AND BACK OF CURB SHALL BE SLOPED SO THAT WATER DRAINS OUT OF ONE SIDE OR BOTH SIDES OF THE CURB OPENING.



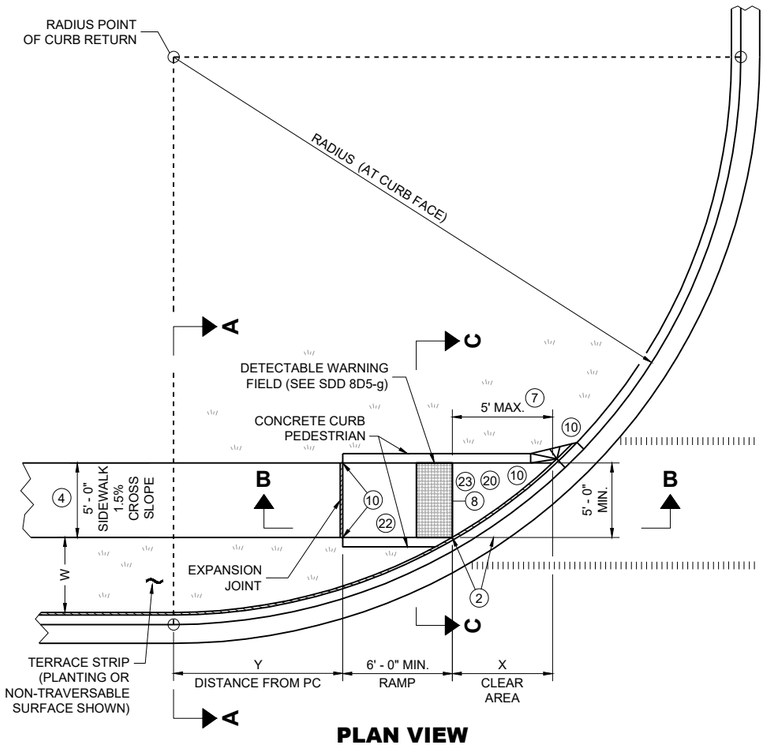
ISOMETRIC VIEW FOR TYPE 4A



ISOMETRIC VIEW FOR TYPE 4A1

CURB RAMPS
TYPE 4A AND 4A1

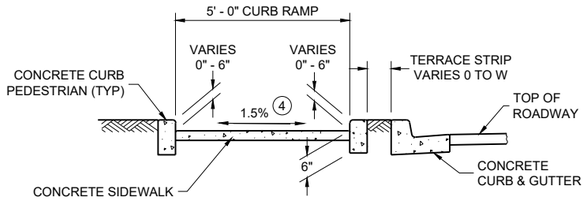
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



PLAN VIEW
CURB RAMP TYPE 4B

RADIUS (AT CURB FACE)	W = 3' - 0"		W = 4' - 0"		W = 5' - 0"		W = 6' - 0"		W = 7' - 0"		W = 8' - 0"		W = 9' - 0"		W = 10' - 0"	
	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y
10 FEET	2' - 10 ¼"	0' - 5"	2' - 1"	1' - 4 ½"	1' - 5"	2' - 1"	0' - 10"	2' - 7 ½"	0' - 3 ¼"	3' - 0 ¼"						
15 FEET	4' - 6 ¾"	2' - 1 ¾"	3' - 9"	3' - 5 ¾"	3' - 1 ¼"	4' - 6"	2' - 6 ¾"	5' - 4 ½"	2' - 1"	6' - 1"	1' - 8"	6' - 8 ½"	1' - 3 ¼"	7' - 2 ½"	0' - 10 ¾"	7' - 7 ¼"
20 FEET			4' - 11 ½"	5' - 1 ¾"	4' - 3 ¼"	6' - 5 ½"	3' - 8 ¾"	7' - 7"	3' - 3"	8' - 6 ½"	2' - 10"	9' - 4 ½"	2' - 5 ½"	10' - 1 ¼"	2' - 1 ¼"	10' - 9"
30 FEET									4' - 10 ¾"	12' - 5 ¾"	4' - 5 ½"	13' - 7 ¾"	4' - 0 ¾"	14' - 8 ½"	3' - 8 ½"	15' - 8 ¼"
40 FEET															4' - 10 ¾"	19' - 8 ¼"

INTERMEDIATE RADII CAN BE INTERPOLATED
DIMENSION "Y" IS CALCULATED BASED ON 6'-0" RAMP LENGTH
DIMENSION "X" IS CALCULATED BASED ON 5'-0" SIDEWALK WIDTH



SECTION C - C FOR TYPE 4B

LEGEND

- ½" EXPANSION JOINT SIDEWALK
- CONTRACTION JOINT SIDEWALK
- PAVEMENT MARKING CROSSWALK (WHITE)
- * MAXIMUM 2.1% SLOPE IN ALL DIRECTIONS IF FRONT OF GRADE BREAK
- ++ CONSTRUCT 6" WEDGE TO AVOID CONCRETE BREAKAGE

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF CURB RAMP ACCESS AREAS.

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

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

(2) GRADE CHANGE BETWEEN GUTTER COUNTER SLOPE AND THE CURB RAMP SLOPE IS DESIRABLY 11% OR LESS AND SHALL NOT EXCEED 13.3%. TYPICAL GUTTER COUNTER SLOPE IS 4% BUT MAY BE MODIFIED TO FIT FIELD CONDITIONS. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5%, DESIRABLY 7% OR LESS, AND SHALL NOT EXCEED A MAXIMUM OF 8.3%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) MAXIMUM 8.3% CURB RAMP SLOPE IS ALLOWABLE WITH GUTTER COUNTER SLOPE OF 5% MAXIMUM AND A 13.3% MAXIMUM GRADE CHANGE.

(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2.1% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(7) WHEN THIS GRADE BREAK DISTANCE EXCEEDS 5 FEET, USE RADIAL DETECTABLE WARNING FIELD PER SDD 8D5-f.

(8) PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.

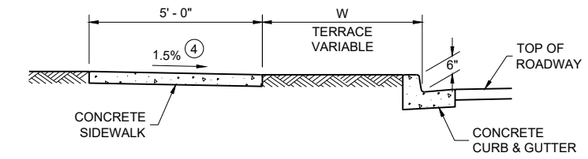
(10) INSTALL TRANSITION NOSE (INCIDENTAL TO OTHER PAY ITEMS). DO NOT MARK TRANSITION NOSE.

(17) A MAXIMUM 2-INCH CONCRETE BORDER IS PERMITTED ALONG ALL SIDES OF THE DETECTABLE WARNING FIELD SURFACE.

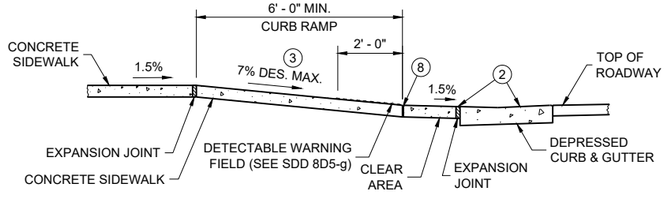
(20) MAXIMUM 1.5% DESIGN MAXIMUM AND 2.1% PROWAG MAXIMUM RUNNING SLOPE ON CLEAR AREA. CROSS SLOPE OF CLEAR AREA SHALL MATCH THE CROSS SLOPE OF THE ADJACENT CROSSWALK.

(22) THE ENTIRE RAMP SHALL BE A PLANAR SURFACE. DO NOT WARP THE RUNNING SLOPE OR CROSS SLOPE OF THE RAMP. WARPING OF THE SIDEWALK CROSS SLOPE SHALL TAKE PLACE BETWEEN THE LANDING AND MATCH POINT.

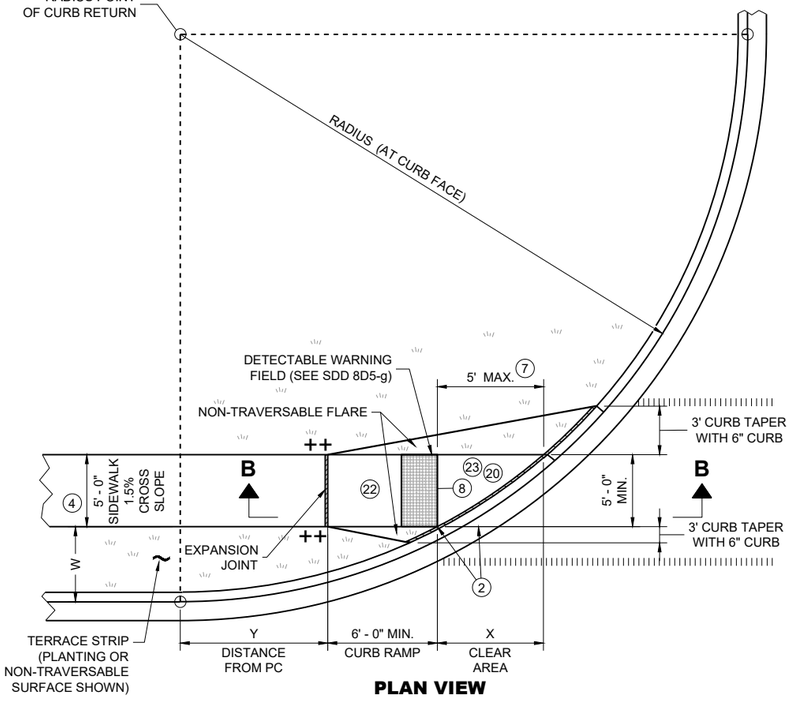
(23) THE CLEAR AREA BETWEEN THE BOTTOM OF RAMP AND BACK OF CURB SHALL BE SLOPED SO THAT WATER DRAINS OUT OF ONE SIDE OR BOTH SIDES OF THE CURB OPENING.



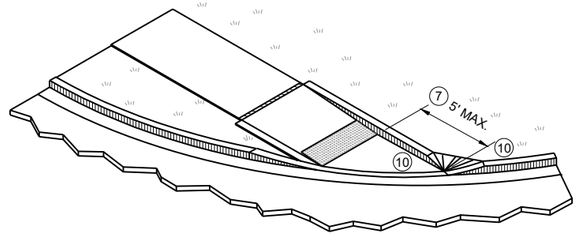
SECTION A - A FOR TYPE 4B



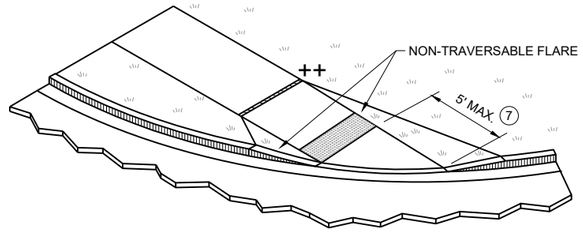
SECTION B - B FOR TYPE 4B AND TYPE 4B1



PLAN VIEW
CURB RAMP TYPE 4B1



ISOMETRIC VIEW FOR TYPE 4B



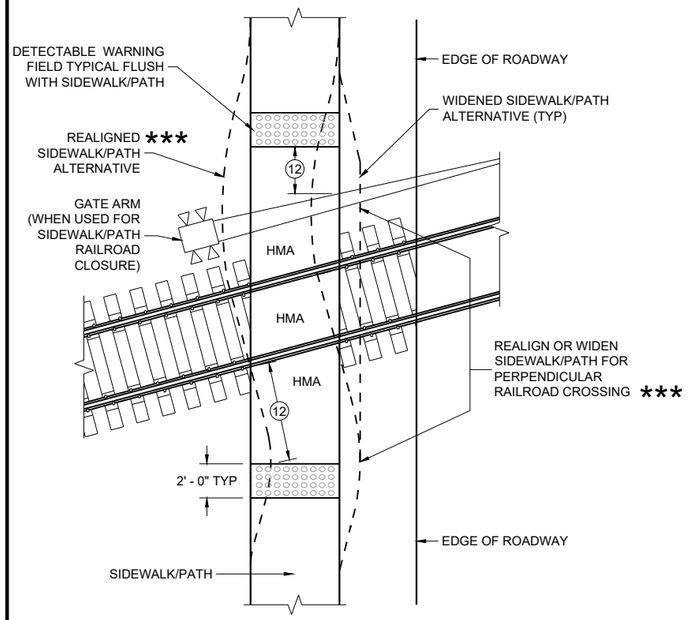
ISOMETRIC VIEW FOR TYPE 4B1

CURB RAMPS
TYPE 4B AND 4B1

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

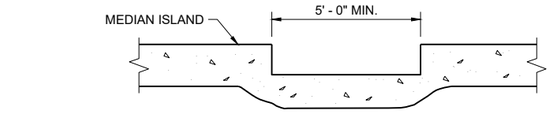
6

SDD 08D05-22d

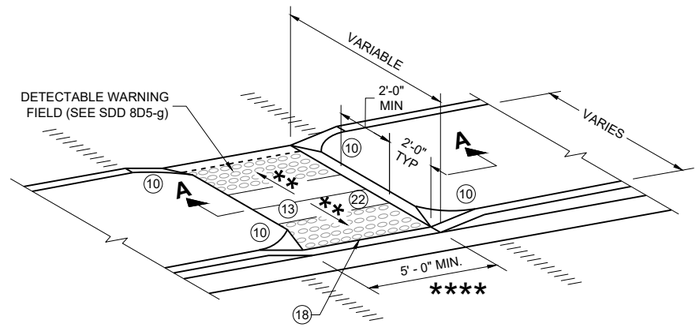


CURB RAMP TYPE 8

DETECTABLE WARNINGS FOR SIDEWALKS OR SHARED USE PATHS AT RAILROAD CROSSINGS



SECTION A - A FOR TYPE 5



CURB RAMP TYPE 5

MEDIAN ISLAND NON-ELEVATED PEDESTRIAN CROSSING

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF CURB RAMP ACCESS AREAS.

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

SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2.1%.

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

(2) GRADE CHANGE BETWEEN GUTTER COUNTER SLOPE AND THE CURB RAMP SLOPE IS DESIRABLY 11% OR LESS AND SHALL NOT EXCEED 13.3%. TYPICAL GUTTER COUNTER SLOPE IS 4% BUT MAY BE MODIFIED TO FIT FIELD CONDITIONS. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5%, DESIRABLY 7% OR LESS, AND SHALL NOT EXCEED A MAXIMUM OF 8.3%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) MAXIMUM 8.3% CURB RAMP SLOPE IS ALLOWABLE WITH GUTTER COUNTER SLOPE OF 5% MAXIMUM AND A 13.3% MAXIMUM GRADE CHANGE.

(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2.1% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(6) PROVIDE A 5 FOOT BY 5 FOOT LANDING. SLOPE PERPENDICULAR TO CURB SHALL BE 2.1% MAXIMUM. SLOPE PARALLEL TO CURB SHALL MATCH THE CURB AND GUTTER LONGITUDINAL SLOPE.

(10) INSTALL TRANSITION NOSE (INCIDENTAL TO OTHER PAY ITEMS). DO NOT MARK TRANSITION NOSE.

(11) SLOPE SIDEWALK TOWARD LANDING AS SHOWN WHERE THERE IS NO TERRACE OR WHERE THE TERRACE WIDTH IS LESS THAN 6 FEET WIDE.

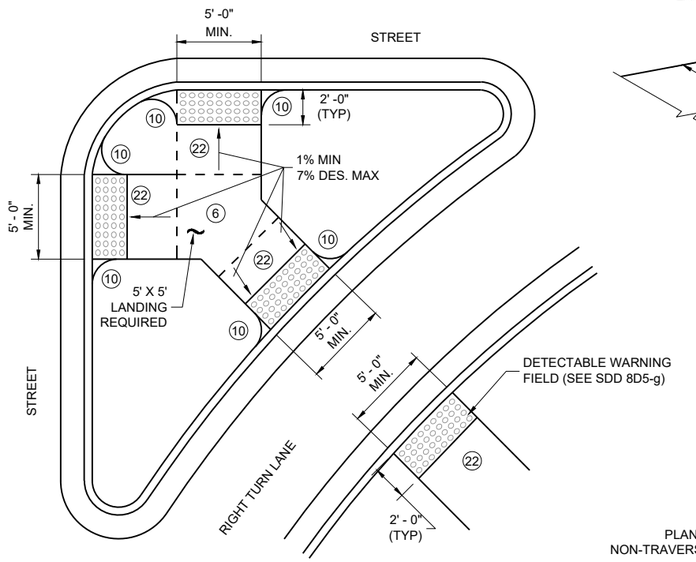
(12) THE EDGE OF THE DETECTABLE WARNING FIELD NEAREST TO A RAILROAD CROSSING SHALL BE 1.5 FEET ±0.1' FROM THE FACE OF THE GATE ARM IF THE GATE ARM EXTENDS ACROSS THE SIDEWALK/PATH, WHERE THERE IS NO PEDESTRIAN GATE, THE EDGE OF THE DETECTABLE WARNING FIELD NEAREST TO THE RAILROAD TRACK IS 15 FEET MAXIMUM AND 12 FEET MINIMUM, 15 FEET TYPICAL FROM THE NEAREST RAIL.

(13) DO NOT INSTALL DETECTABLE WARNING FIELDS AT THE EDGES OF STEET-LEVEL PEDESTRIAN REFUGE ISLANDS IF A MINIMUM 2 FOOT CONCRETE SURFACE WITHOUT DETECTABLE WARNINGS (MEASURED IN THE DIRECTION OF PEDESTRIAN TRAVEL) CANNOT BE ACHIEVED.

(17) A MAXIMUM 2-INCH CONCRETE BORDER IS PERMITTED ALONG ALL SIDES OF THE DETECTABLE WARNING FIELD SURFACE.

(18) WHEN THE DISTANCE BETWEEN THE BACK OF CURBS IS LESS THAN 6 FEET BUT THE FACE OF CURB TO FACE OF CURB DISTANCE IS 6 FEET OR GREATER THEN THE DETECTABLE WARNING FIELDS MAY BE MOVED SO THAT THE EDGE OF THE WARNING FIELD IS PLACED AT THE GUTTER FLOWLINE. MAINTAIN A MINIMUM OF TWO FEET BETWEEN DETECTABLE WARNING FIELD PANELS.

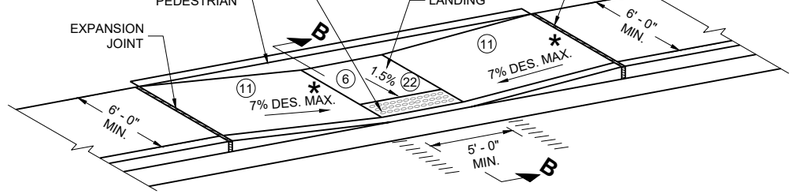
(22) THE ENTIRE RAMP SHALL BE A PLANAR SURFACE. DO NOT WARP THE RUNNING SLOPE OR CROSS SLOPE OF THE RAMP. WARPING OF THE SIDEWALK CROSS SLOPE SHALL TAKE PLACE BETWEEN THE LANDING AND MATCH POINT.



CURB RAMP TYPE 6

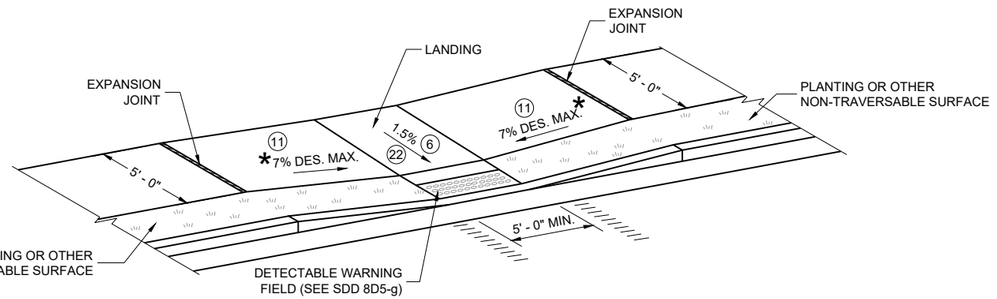
DETECTABLE WARNING AT ISLANDS

REFER TO GENERAL NOTES (2) AND (3) FOR ALL ISLAND CURB RAMPS



CURB RAMP TYPE 7A

FOR INTERSECTIONS AND MID BLOCK CROSSINGS

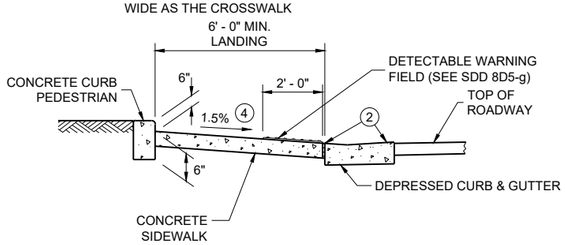


CURB RAMP TYPE 7B

FOR INTERSECTIONS AND MID BLOCK CROSSINGS

LEGEND

═══	½" EXPANSION JOINT SIDEWALK
– – – –	CONTRACTION JOINT FIELD LOCATED
ıı ıı ıı ıı	PAVEMENT MARKING CROSSWALK (WHITE)
*	MAXIMUM 8.3%
**	1% MINIMUM (PROVIDE DRAINAGE)
***	DETAILS TO BE DETERMINED BY ENGINEER
****	FOR SHARED USE PATHS, WIDTH MUST BE AS WIDE AS THE CROSSWALK

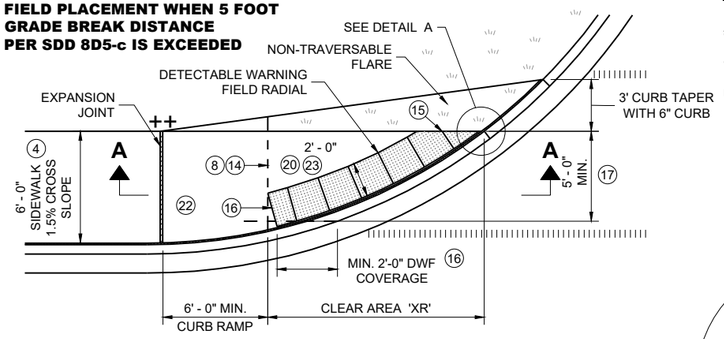


SECTION B - B FOR TYPE 7A

CURB RAMPS
TYPE 5, 6, 7A, 7B & 8

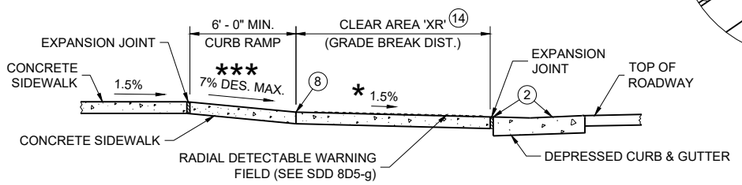
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

RADIAL DETECTABLE WARNING FIELD PLACEMENT WHEN 5 FOOT GRADE BREAK DISTANCE PER SDD 8D5-c IS EXCEEDED



PLAN VIEW

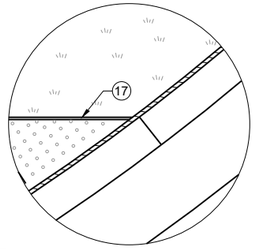
CURB RAMP TYPE 4A1
(GRADE BREAK DISTANCE GREATER THAN 5 FEET)



SECTION A - A FOR TYPE 4A1

LEGEND

═══	½" EXPANSION JOINT SIDEWALK
– – – –	CONTRACTION JOINT SIDEWALK
ıı ıı ıı ıı	PAVEMENT MARKING CROSSWALK (WHITE)
**	WIDTH SHOWN ELSEWHERE IN THE PLANS
***	MAXIMUM 8.3%
++	CONSTRUCT 6" WEDGE TO AVOID CONCRETE BREAKAGE



DETAIL A

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF CURB RAMP ACCESS AREAS.

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

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

APPLY RADIAL DETECTABLE WARNING PLACEMENT SIMILARLY FOR TYPE 4A AND 4A1 CURB RAMPS AND SIMILARLY FOR TYPE 4B AND 4B1 CURB RAMPS. TYPE 4A AND 4B CURB RAMPS ARE NOT SHOWN.

REFER TO SDD 8D5-g FOR ADDITIONAL RADIAL PLATE REQUIREMENTS.

FIELD CUTS AT INTERMEDIATE JOINTS WITHIN THE RADIAL DETECTABLE WARNING FILED ARE PROHIBITED.

DETERMINE FINAL RADIAL WARNING FIELD CONFIGURATION AD ITS INDIVIDUAL PLATE LOCATIONS. PERFORM PRE-LAYOUT PRIOR TO PLACEMENT IN PLASTIC CONCRETE. FOLLOW MANUFACTURER'S PRODUCT LIST AND INSTALLATION RECOMMENDATIONS.

(2) GRADE CHANGE BETWEEN GUTTER COUNTER SLOPE AND THE CURB RAMP SLOPE IS DESIRABLY 11% OR LESS AND SHALL NOT EXCEED 13.3%. TYPICAL GUTTER COUNTER SLOPE IS 4% BUT MAY BE MODIFIED TO FIT FIELD CONDITIONS. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5%, DESIRABLY 7% OR LESS, AND SHALL NOT EXCEED A MAXIMUM OF 8.3%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) MAXIMUM 8.3% CURB RAMP SLOPE IS ALLOWABLE WITH GUTTER COUNTER SLOPE OF 5% MAXIMUM AND A 13.3% MAXIMUM GRADE CHANGE.

(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2.1% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(6) PROVIDE A 5 FOOT BY 5 FOOT LANDING. SLOPE PERPENDICULAR TO CURB SHALL BE 2.1% MAXIMUM. SLOPE PARALLEL TO CURB SHALL MATCH THE CURB AND GUTTER LONGITUDINAL SLOPE.

(8) PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.

(14) CONSULT ENGINEER IF GRADE BREAK LOCATION (END OF LANDING DIMENSION "XR") REQUIRES FIELD ADJUSTMENT WHEN ESTABLISHING FINAL RADIAL DETECTABLE WARNING FIELD LOCATION.

(15) FIELD SAW CUTS ALONG RADIAL DETECTABLE WARNING PLATES WILL BE NECESSARY TO MATCH EACH CURB RAMP EDGE. AVOID CUTTING THROUGH DOMES WHENEVER POSSIBLE. MAKE FIELD CUTS TRUE TO LINE AND WITHIN ⅛" DEVIATION. SMOOTH EDGES OF FIELD CUT PLATES.

(16) USE 1' X 2" RECTANGULAR END PLATE AT END OF TYPE 4A1 RAMP AND PROVIDE MINIMUM 2' - 0" DETECTABLE WARNING FIELD COVERAGE (IN DIRECTION OF PEDESTRIAN TRAVEL) ALONG THE ENTIRE CURB RAMP WIDTH.

(17) A MAXIMUM 2-INCH CONCRETE BORDER IS PERMITTED ALONG ALL SIDES OF THE DETECTABLE WARNING FIELD SURFACE.

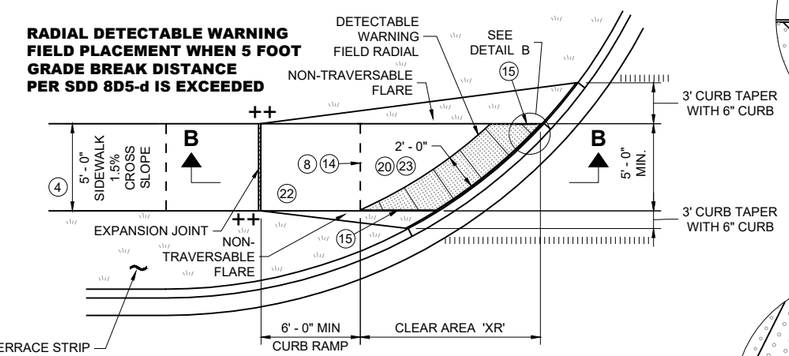
(19) WHERE A LANDING SERVES TWO CURB RAMPS, THE LANDING SLOPE SHALL NOT EXCEED THE CROSS SLOPE AT THE BOTTOM OF THE RAMP OR WITHIN THE CROSSWALK PARALLEL TO THE DIRECTION OF TRAVEL.

(20) MAXIMUM 1.5% DESIGN MAXIMUM AND 2.1% PROWAG MAXIMUM RUNNING SLOPE ON CLEAR AREA. CROSS SLOPE OF CLEAR AREA SHALL MATCH THE CROSS SLOPE OF THE ADJACENT CROSSWALK.

(22) THE ENTIRE RAMP SHALL BE A PLANAR SURFACE. DO NOT WARP THE RUNNING SLOPE OR CROSS SLOPE OF THE RAMP. WARPING OF THE SIDEWALK CROSS SLOPE SHALL TAKE PLACE BETWEEN THE LANDING AND MATCH POINT.

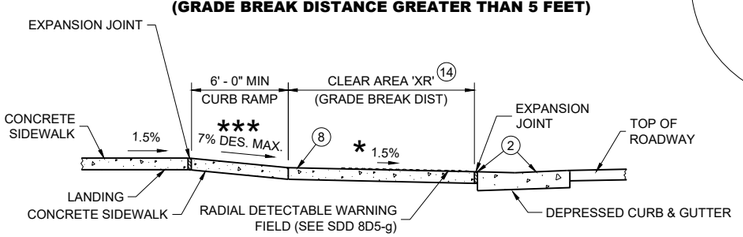
(23) THE CLEAR AREA BETWEEN THE BOTTOM OF RAMP AND BACK OF CURB SHALL BE SLOPED SO THAT WATER DRAINS OUT OF ONE SIDE OR BOTH SIDES OF THE CURB OPENING.

RADIAL DETECTABLE WARNING FIELD PLACEMENT WHEN 5 FOOT GRADE BREAK DISTANCE PER SDD 8D5-d IS EXCEEDED

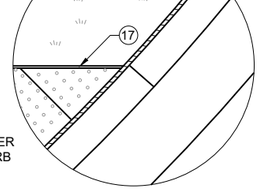


PLAN VIEW

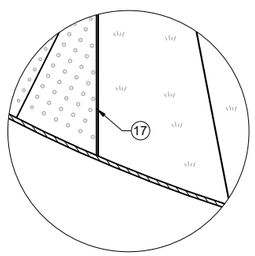
CURB RAMP TYPE 4B1
(GRADE BREAK DISTANCE GREATER THAN 5 FEET)



SECTION B - B FOR TYPE 4B1

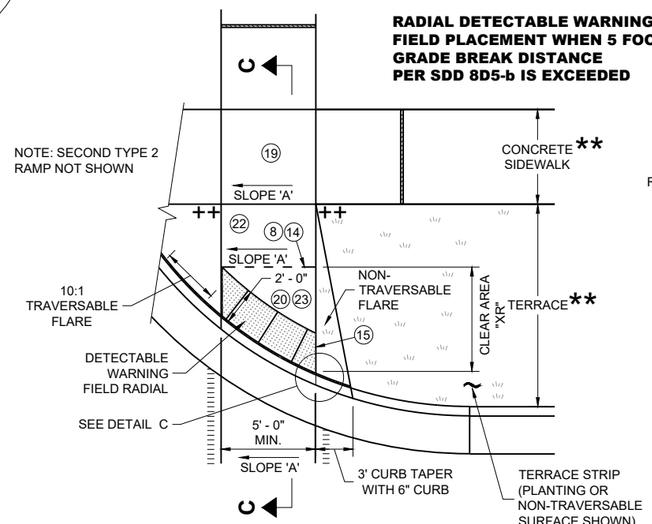


DETAIL B



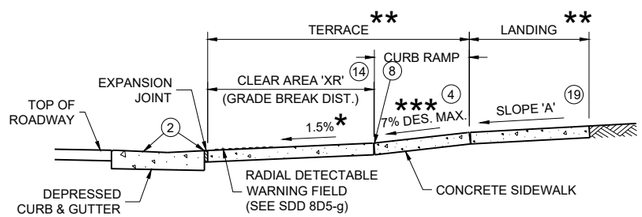
DETAIL C

RADIAL DETECTABLE WARNING FIELD PLACEMENT WHEN 5 FOOT GRADE BREAK DISTANCE PER SDD 8D5-b IS EXCEEDED



PLAN VIEW

CURB RAMP TYPE 2
(GRADE BREAK DISTANCE GREATER THAN 5 FEET)
(ON LINE WITH SIDEWALK)



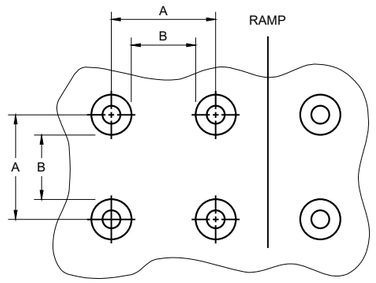
SECTION C - C FOR TYPE 2

CURB RAMPS
RADIAL DETECTABLE WARNING

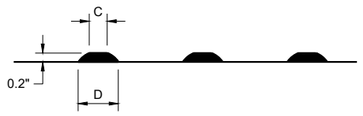
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

	MIN.	MAX.
A	1.6"	2.4"
B	0.65"	1.5"
C	*	*
D	0.9"	1.4"

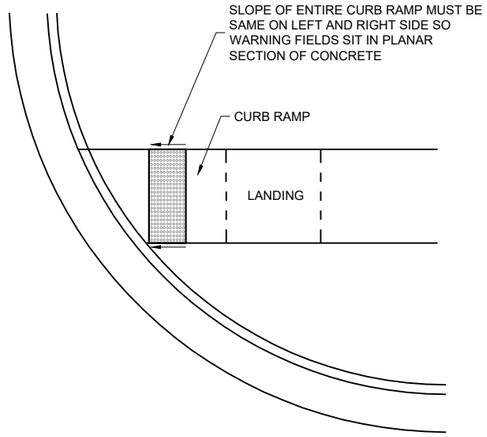
* THE C DIMENSION IS 50% TO 65% OF THE D DIMENSION.



PLAN VIEW



ELEVATION VIEW



DETECTABLE WARNING FIELD
PLANAR INSTALLATION

GENERAL NOTES

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AT A CURB RAMP SHALL BE FROM THE SAME MANUFACTURER.

PLACE ALL DETECTABLE WARNING FIELD SYSTEMS IN ACCORDANCE TO THE MANUFACTURER'S RECOMMENDATION.

FIELD CUTS AT INTERMEDIATE JOINTS WITHIN THE RADIAL DETECTABLE WARNING FILED ARE PROHIBITED.

DETERMINE FINAL RADIAL WARNING FIELD CONFIGURATION AND ITS INDIVIDUAL PLATE LOCATIONS. PERFORM PRE-LAYOUT PRIOR TO PLACEMENT IN PLASTIC CONCRETE. FOLLOW MANUFACTURER'S PRODUCT LIST AND INSTALLATION RECOMMENDATIONS.

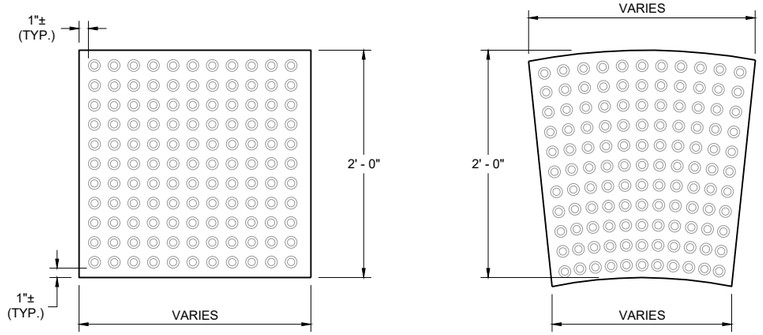
FOR RADIAL DETECTABLE WARNING FIELD APPLICATIONS WHERE STANDARD RADIAL PLATES ARE NOT AVAILABLE AT AN INTERSECTION CURB RADIUS, A COMBINATION OF SQUARE OR RECTANGULAR PLATES AND RADIAL PLATES MAY BE USED TO FORM RADIAL CONFIGURATION. RADIAL WEDGE PLATES IN COMBINATION WITH SQUARE PLATES ARE ALSO ACCEPTABLE. FOLLOW MANUFACTURER'S RECOMMENDATIONS.

REFER TO CONTRACT AND STANDARD SPECIFICATIONS FOR FIELD CUTTING REQUIREMENTS.

DO NOT EMBED IN CONCRETE ANY FIELD-CUT PLATES WITH CUT EDGES SHORTER THAN 6 INCHES. CONSULT WITH MANUFACTURER FOR RE-DRILLING AND ANCHORING REQUIREMENTS OF FIELD-CUT PLATES.

(15) FIELD SAW CUTS ALONG RADIAL DETECTABLE WARNING PLATES WILL BE NECESSARY TO MATCH EACH CURB RAMP EDGE. AVOID CUTTING THROUGH DOMES WHENEVER POSSIBLE. MAKE FIELD CUTS TRUE TO LINE AND WITHIN ⅛" DEVIATION. SMOOTH EDGES OF FIELD CUT PLATES.

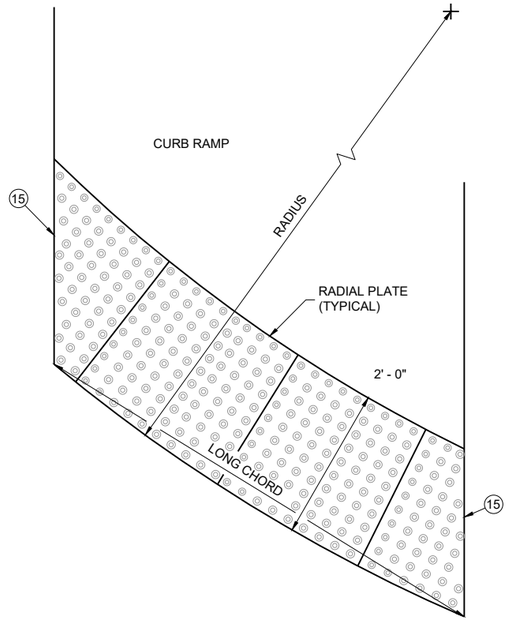
TRUNCATED DOMES
DETECTABLE WARNING PATTERN DETAIL



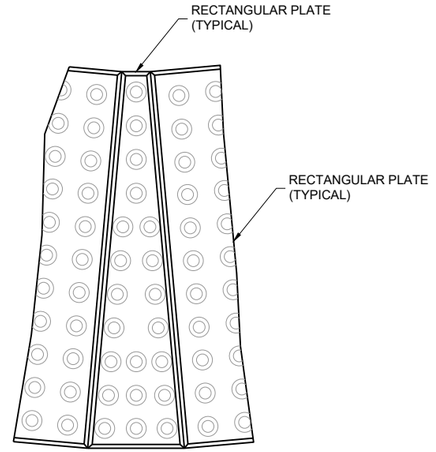
RECTANGULAR PLATES

RADIAL PLATES

PLAN VIEW
DETECTABLE WARNING FIELDS (TYPICAL)



PLAN VIEW
RADIAL DETECTABLE WARNING FIELD ATTRIBUTES



PLAN VIEW
RADIAL WEDGE PLATE CONNECTION DETAIL

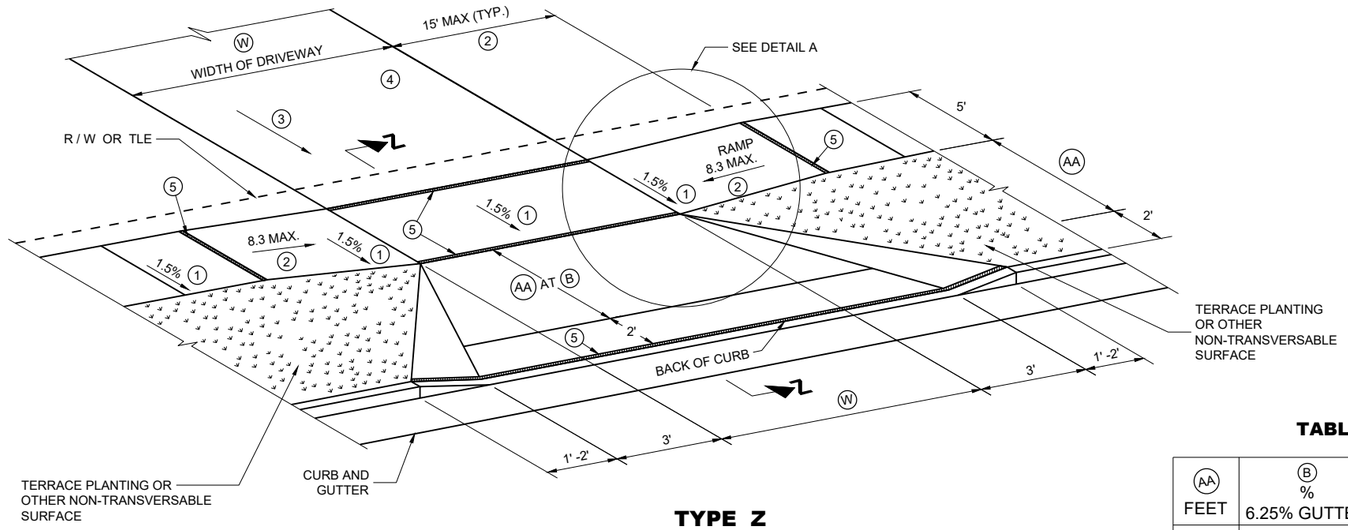
CURB RAMPS
RECTANGULAR AND RADIAL DETECTABLE WARNING PLATES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2025 — DATE
/S/ Rodney Taylor — <position>

FHWA

6
SDD 08D05-22g



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.

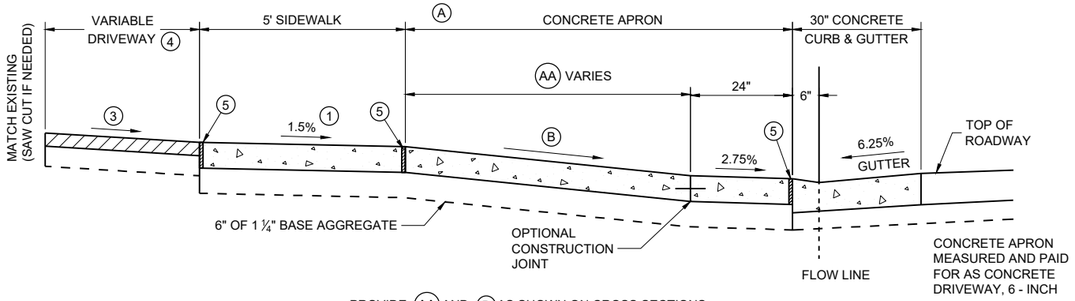
(6) DETECABLE WARNING FIELDS ARE REQUIRED WHEN A PEDESTRIAN CIRCULATION ROUTE CROSSES A DRIVEWAY THAT IS TRAFFIC SIGNAL, STOP, OR YIELD CONTROLLED. DETECTABLE WARNING FIELDS TO BE 2 FT DEEP AND EXTEND THE WIDTH OF THE PEDESTRIAN CIRCULATION ROUTE.

(W): 12' MIN. - 24' MAX. RESIDENTIAL AND NON-COMMERCIAL (PE & FE)

16' MIN. - 35' MAX. COMMERCIAL (CE)

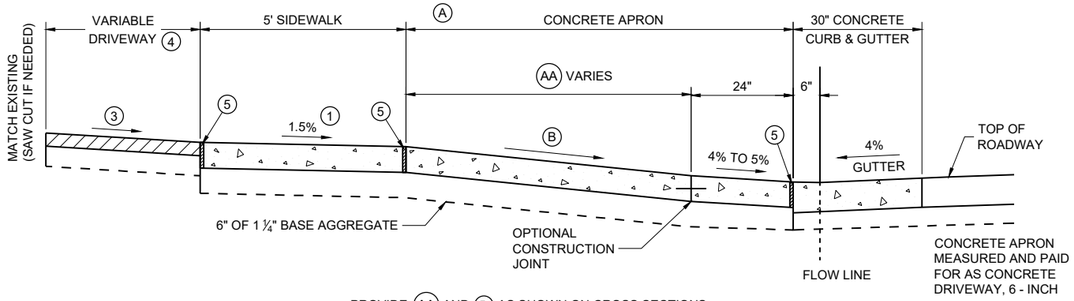
TABLE Z

(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%



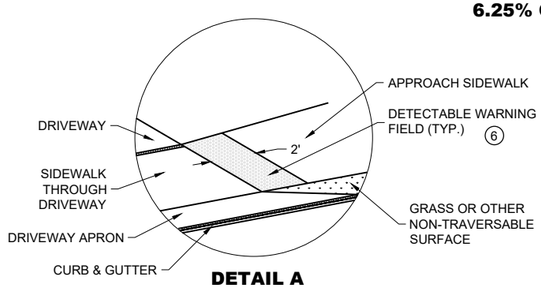
PROVIDE (AA) AND (B) AS SHOWN ON CROSS SECTIONS.

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.

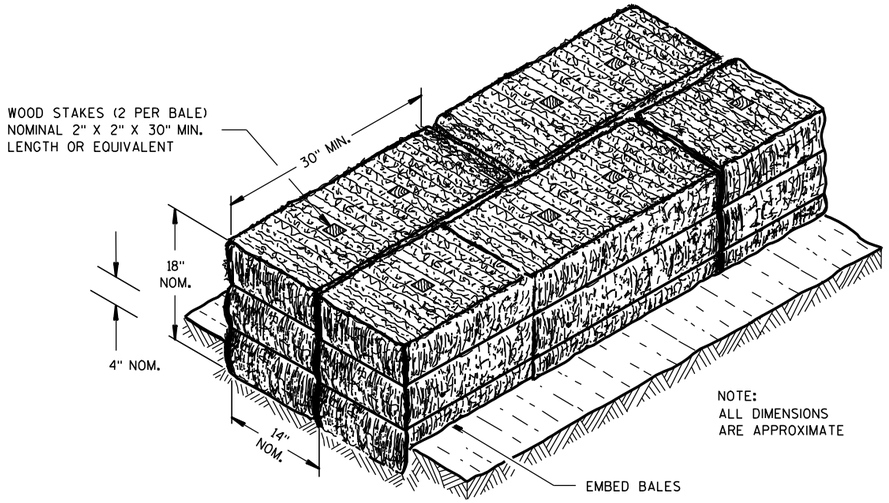
SECTION Z - Z
DRIVEWAY DETAIL WITH CONCRETE CURB AND GUTTER
(URBAN AND SUBURBAN)

DRIVEWAY AND SIDEWALK RAMPS TYPE Z

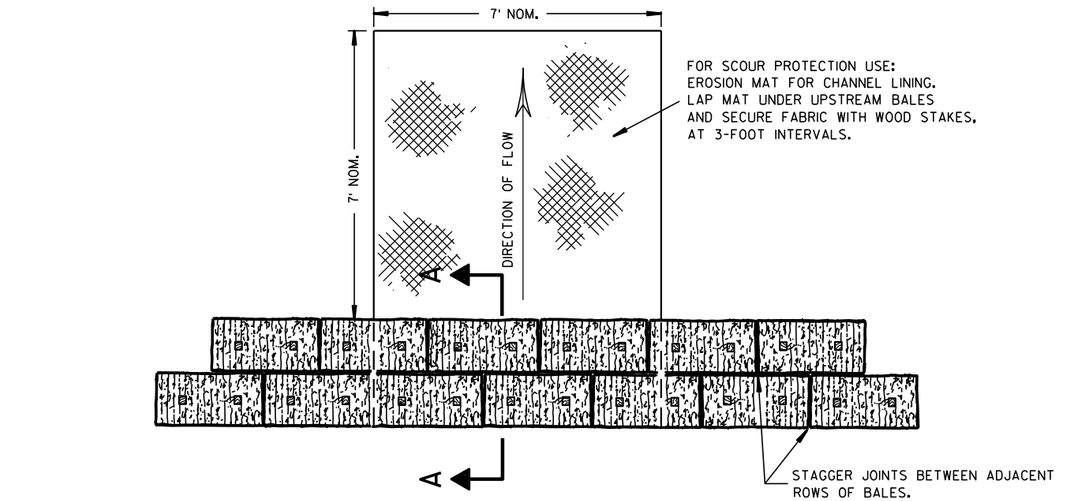
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
July 2023 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR

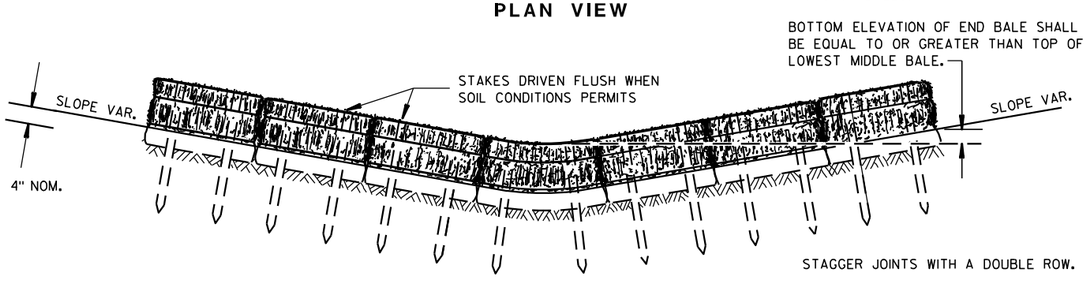
FHWA



SECTION A-A



PLAN VIEW



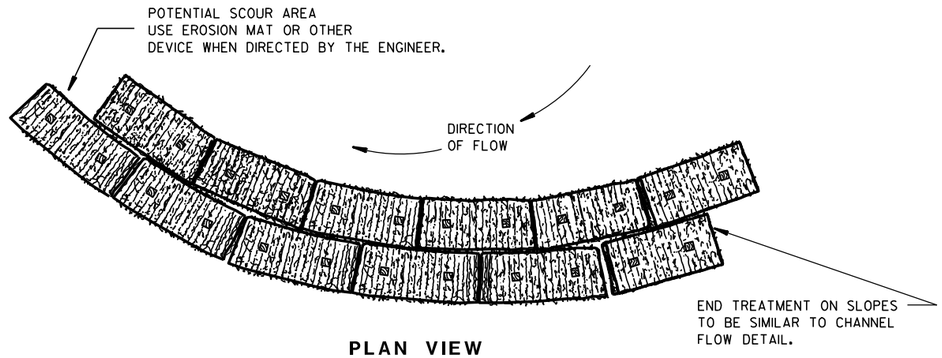
FRONT ELEVATION

TEMPORARY DITCH CHECK USING EROSION BALES (1)

GENERAL NOTES

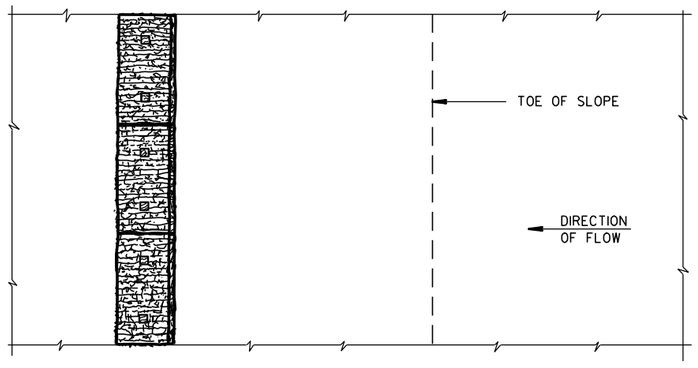
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

(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.

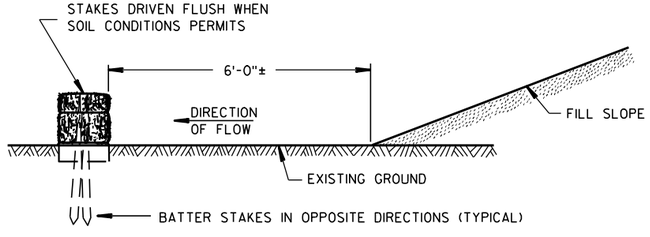


PLAN VIEW

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

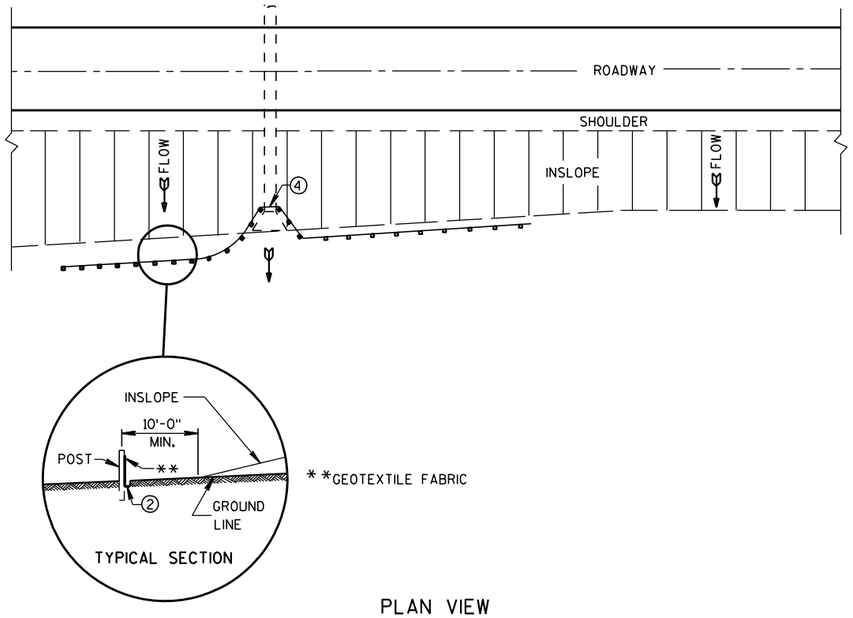
APPROVED
6/04/02 DATE
/S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

6

S.D.D. 8 E 8-3

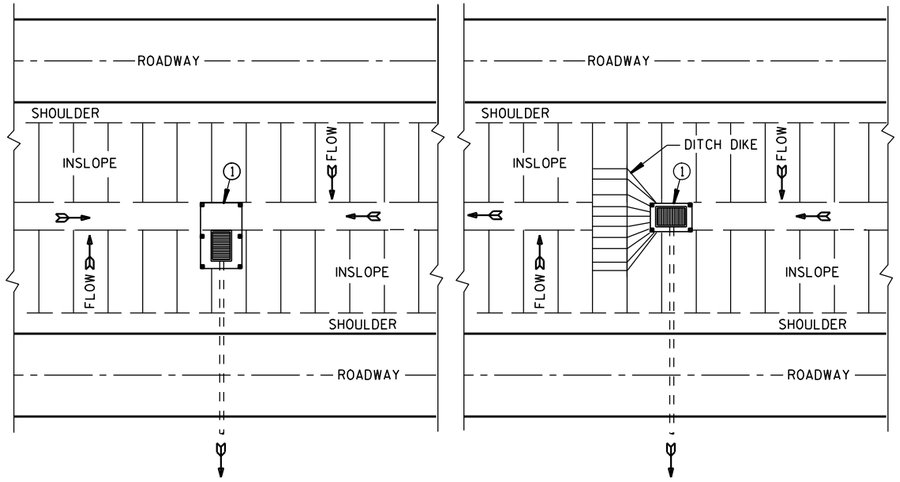
6

S.D.D. 8 E 8-3



PLAN VIEW

TYPICAL APPLICATION OF SILT FENCE



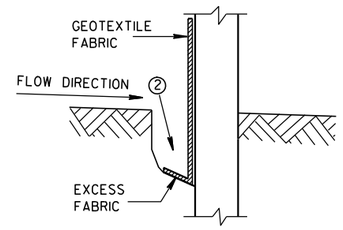
PLAN VIEW

SILT FENCE AT MEDIAN SURFACE DRAINS

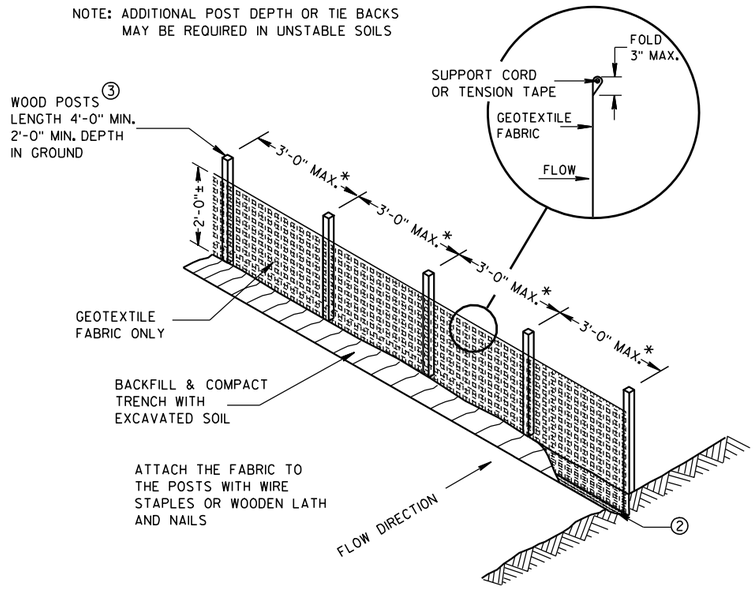
GENERAL NOTES

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

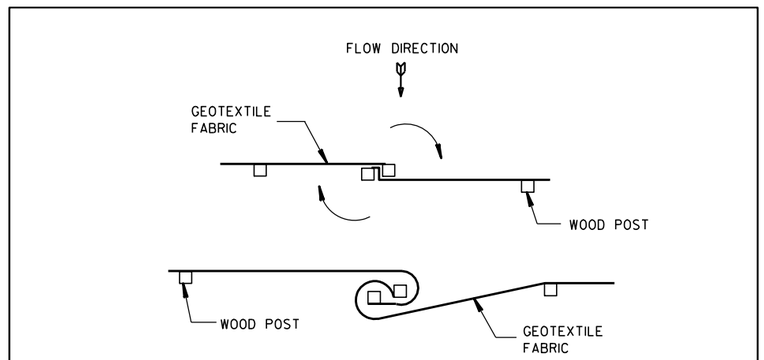
1. HORIZONTAL BRACE REQUIRED WITH 2" X 4" WOODEN FRAME OR EQUIVALENT AT TOP OF POSTS.
2. FOR MANUAL INSTALLATIONS THE TRENCH SHALL BE A MINIMUM OF 4" WIDE & 6" DEEP TO BURY AND ANCHOR THE GEOTEXTILE FABRIC. FOLD MATERIAL TO FIT TRENCH AND BACKFILL & COMPACT TRENCH WITH EXCAVATED SOIL.
3. WOOD POSTS SHALL 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.



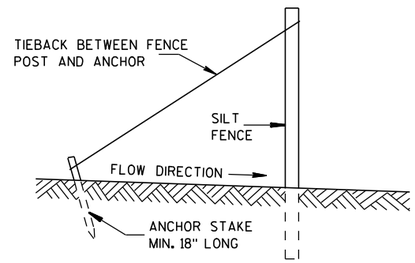
TRENCH DETAIL



SILT FENCE



JOINING TWO LENGTHS OF SILT FENCE 5



SILT FENCE TIE BACK

(WHEN REQUIRED BY THE ENGINEER)

SILT FENCE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

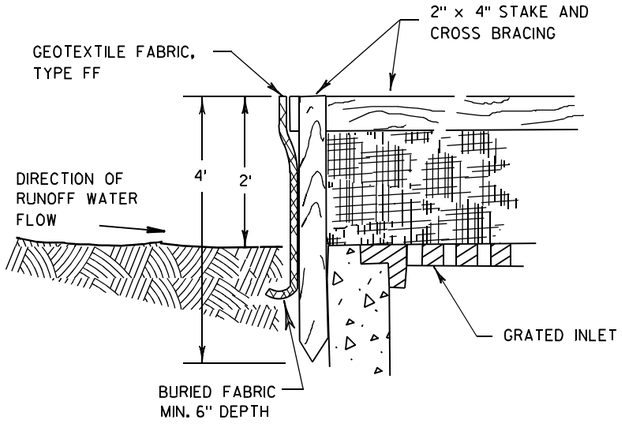
APPROVED
4-29-05 DATE
/S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

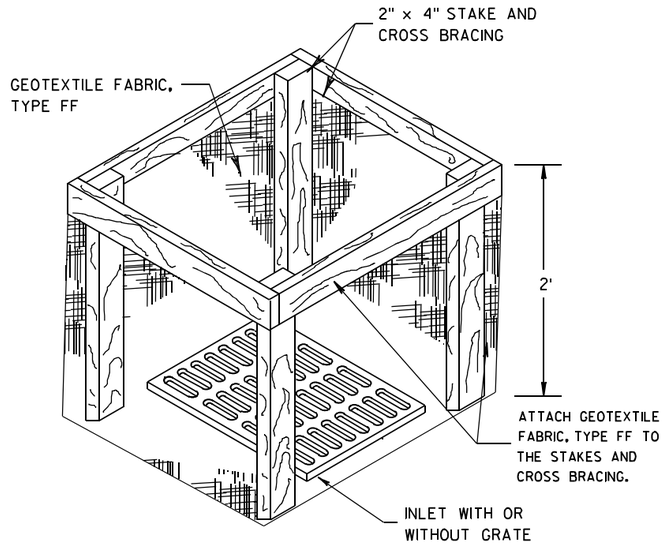
6

S.D.D. 8 E 9-6

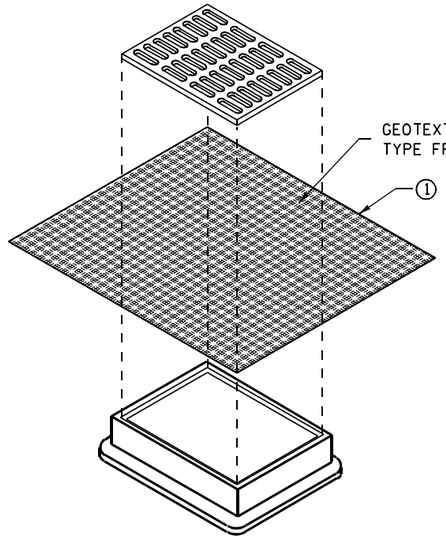
6

S.D.D. 8 E 9-6



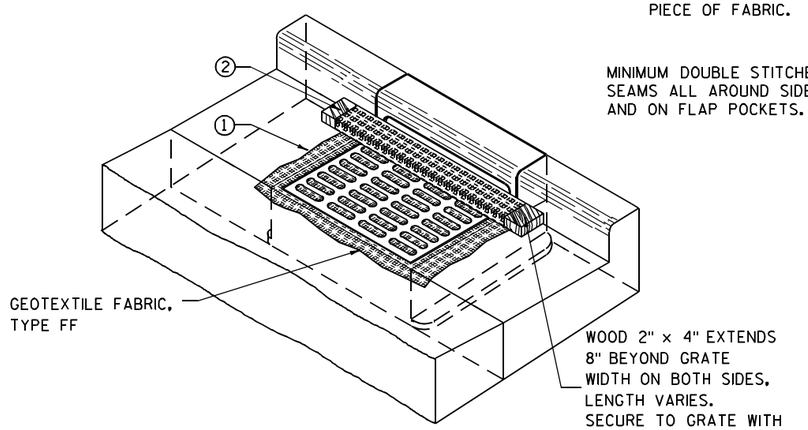


INLET PROTECTION, TYPE A

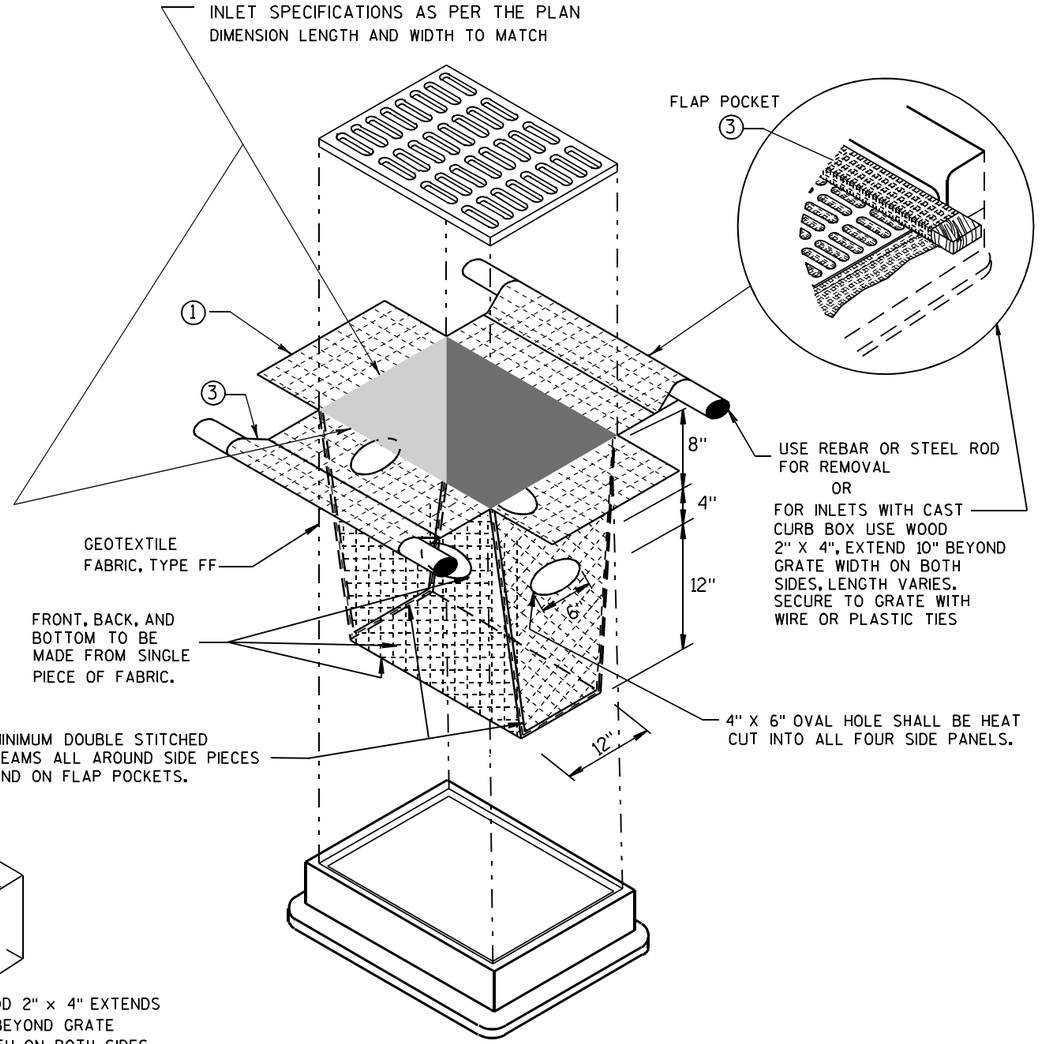


INLET PROTECTION, TYPE B
(WITHOUT CURB BOX)

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



INLET PROTECTION, TYPE C (WITH CURB BOX)



INLET PROTECTION, TYPE D

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

GENERAL NOTES

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

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

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

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

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

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

INSTALLATION NOTES

TYPE B & C

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

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

TYPE D

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

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

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

INLET PROTECTION
TYPE A, B, C, AND D

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

10/16/02
DATE

/S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER

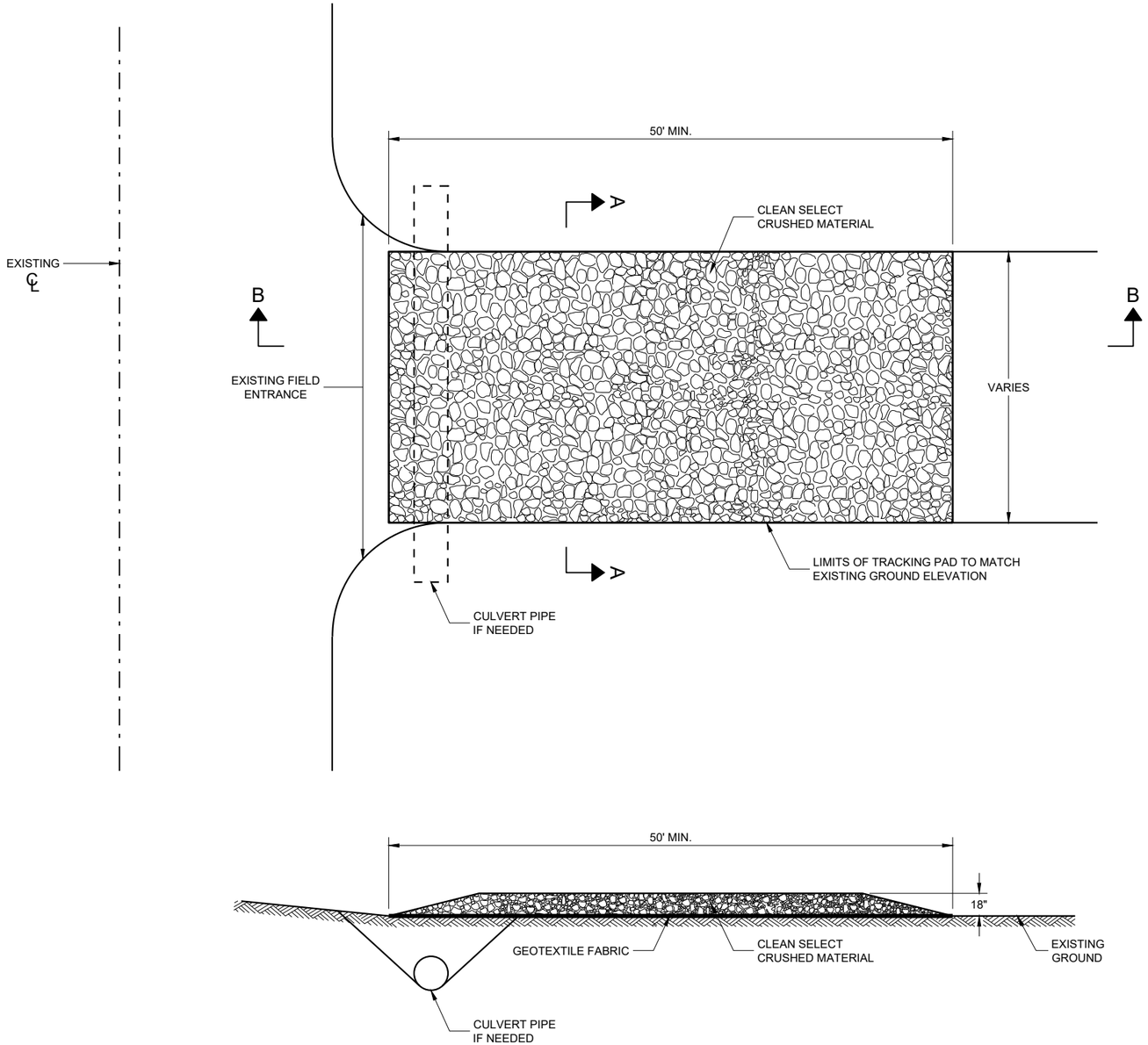
FHWA

6

S.D.D. 8 E 10-2

6

S.D.D. 8 E 10-2



SECTION B - B

GENERAL NOTES

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

TRACKING PAD SHALL BE INSPECTED DAILY. DEFICIENT AREAS SHALL BE REPAIRED OR REPLACED IMMEDIATELY.

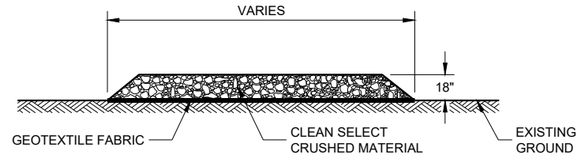
TRACKING PAD TO BE REMOVED AFTER CONSTRUCTION IS COMPLETED.

TRACKING PAD SHALL BE THE FULL WIDTH OF THE EGRESS POINT.

SURFACE WATER MUST BE PREVENTED FROM PASSING THROUGH THE TRACKING PAD. FLOWS SHALL BE DIVERTED AWAY, AROUND OR CONVEYED UNDER THE TRACKING PAD.

CULVERT PIPE OR OTHER BMP USED TO DIVERT WATER AWAY, AROUND OR UNDER THE TRACKING PAD SHALL BE DESIGNED TO CONVEY THE 2 YEAR - 24 HOUR EVENT.

THE COST OF ADDITIONAL BMP TO DIVERT WATER ARE INCIDENTAL TO THE TRACKING PAD BID ITEM.



SECTION A - A

6

SDD 08E14 - 01

TRACKING PAD

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

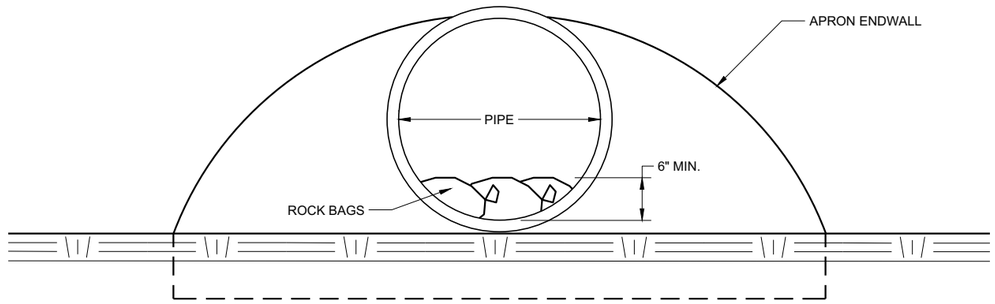
3/24/2011
DATE

/S/ Jerry H. Zogg
ROADWAY STANDARDS DEVE ENGINEER

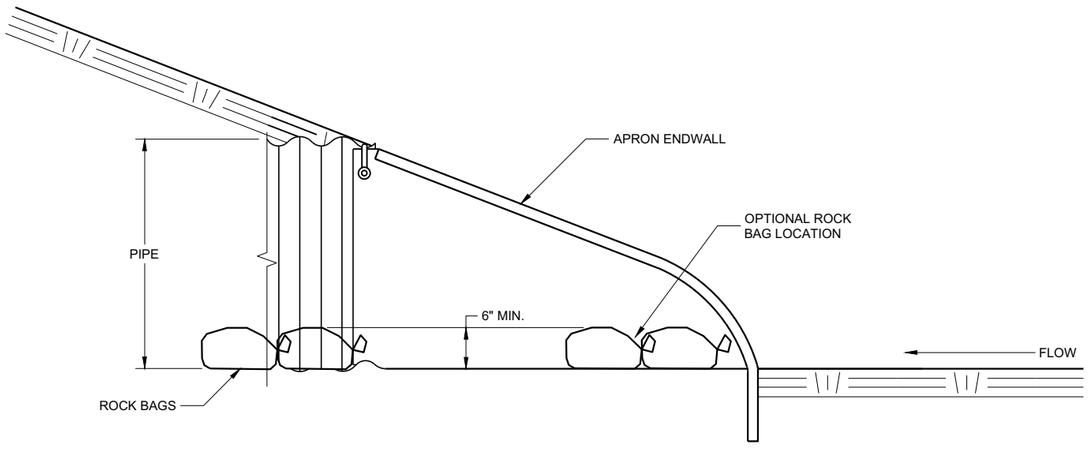
FHWA

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

6

SDD 08E15 - 01

6

SDD 08E15 - 01

METAL APRON ENDWALLS

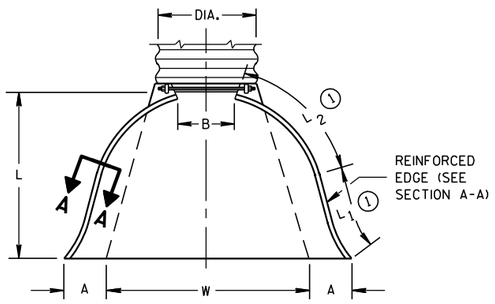
PIPE DIA. (IN.)	MIN. THICK. (Inches) STEEL	MIN. THICK. (Inches) ALUM.	DIMENSIONS (Inches) A (±1")	B (MAX.)	H (±1")	L (±1 1/2")	L1 ①	L2 ①	W (±2")	APPROX. SLOPE	BODY
12	.064	.060	6	6	6	21	12	17 1/2	24	2 1/2 to 1	1 Pc.
15	.064	.060	7	8	6	26	14	21 3/4	30	2 1/2 to 1	1 Pc.
18	.064	.060	8	10	6	31	15	28 1/4	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

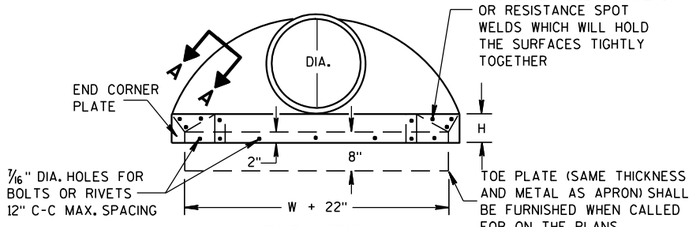
REINFORCED CONCRETE APRON ENDWALLS

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

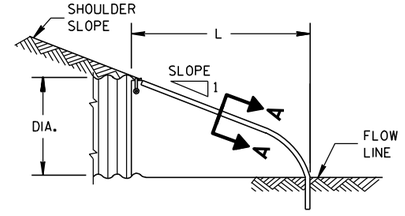
*MINIMUM
**MAXIMUM



PLAN VIEW

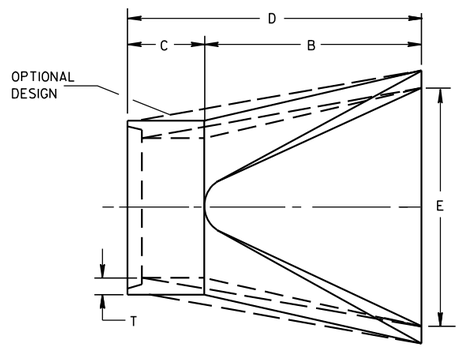


END VIEW

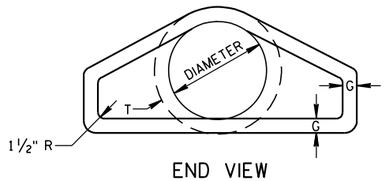


SIDE ELEVATION

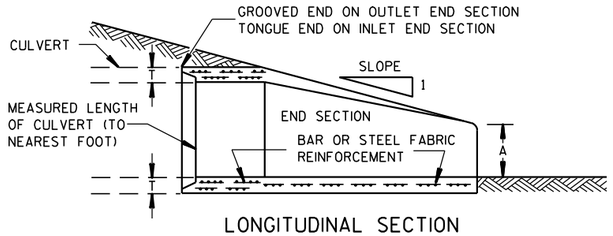
METAL ENDWALLS



PLAN

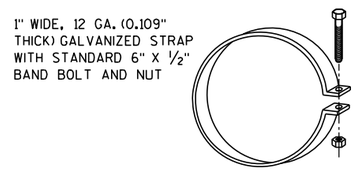


END VIEW



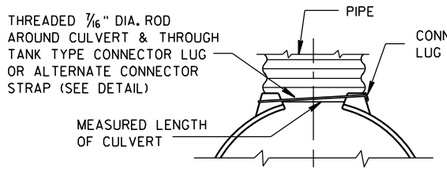
LONGITUDINAL SECTION

CONCRETE ENDWALLS

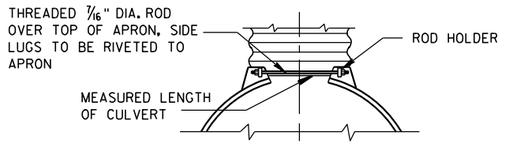


ALTERNATE FOR TYPE 1 CONNECTION

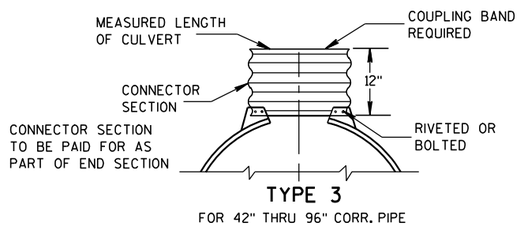
END SECTION CONNECTOR STRAP



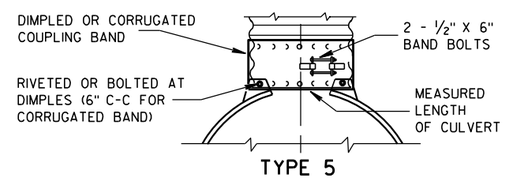
TYPE 1
FOR 12" THRU 24" CORR. PIPE



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

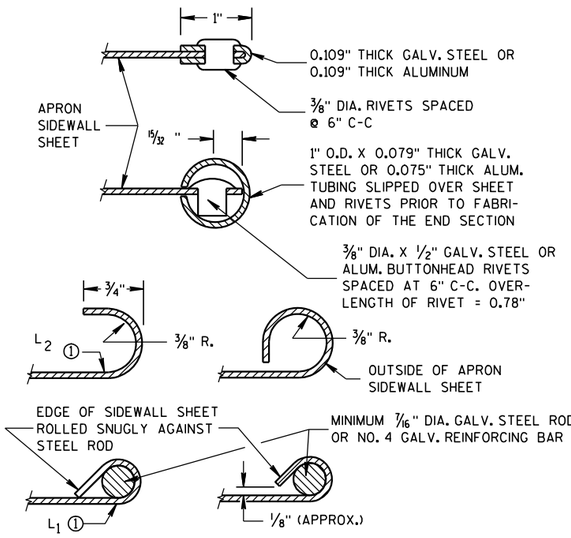
NOTE: DIMPLED BAND FITS OVER OUTSIDE OF ENDWALL. AND CORRUGATED BAND FITS INSIDE ENDWALL. DIMPLED BAND MAY BE USED WITH HELICALLY CORRUGATED PIPE.

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.

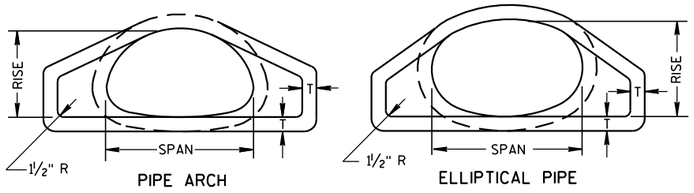
① FOR PIPE SIZES UP TO 60" DIAMETER, A 180° ROLLED EDGE MAY BE USED INSTEAD OF STEEL ROD REINFORCEMENT. SEE SECTION A-A.

APRON ENDWALLS FOR CULVERT PIPE

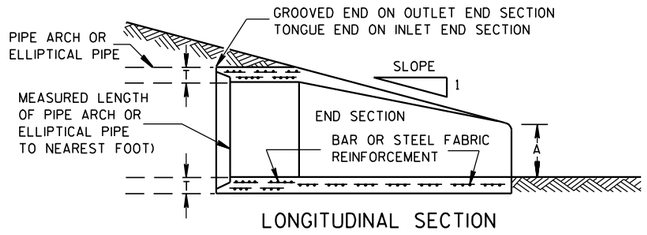
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
11/30/94 DATE
/S/ Rory L. Rhinesmith
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

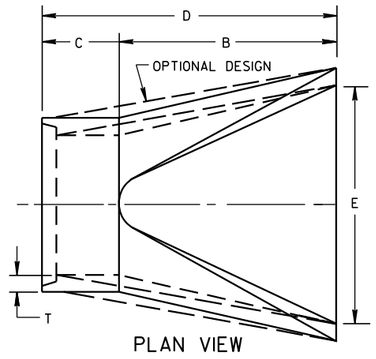
6
S.D.D. 8 F 1-11



END VIEW

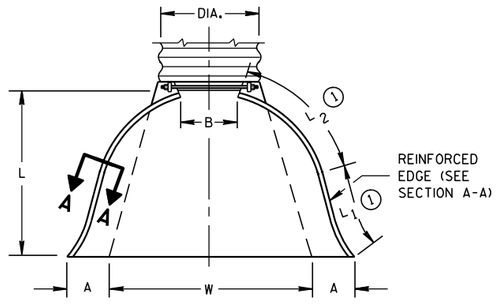


LONGITUDINAL SECTION

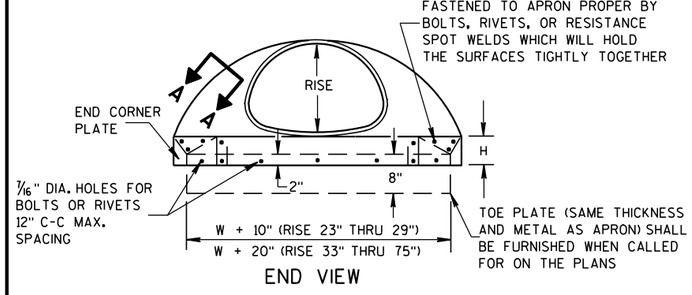


PLAN VIEW

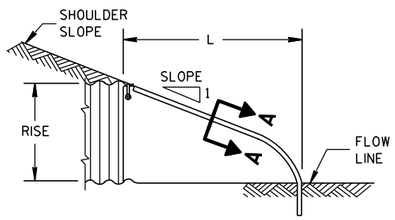
CONCRETE ENDWALLS



PLAN VIEW

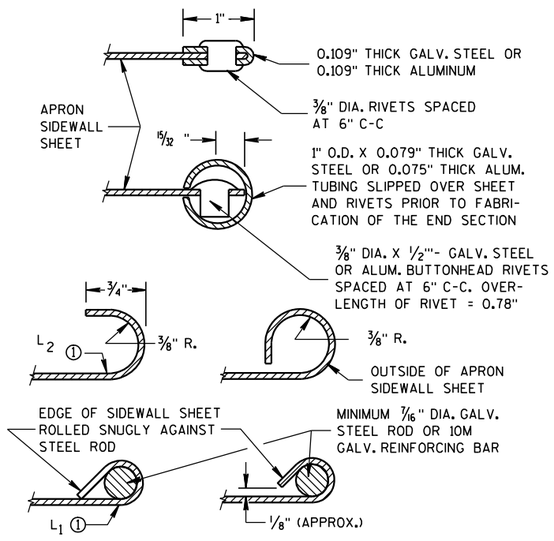


END VIEW



SIDE ELEVATION

METAL ENDWALLS



SECTION A-A

2- 2/3" X 1/2" CORRUGATIONS

EQUIV. DIA. (Inches)	(Inches) SPAN	(Inches) RISE	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
15	17	13	.064	.060	7	9	6	19	14	16	30	2½ to 1	1 Pc.
18	21	15	.064	.060	7	10	6	23	14	19⅜	36	2½ to 1	1 Pc.
21	24	18	.064	.060	8	12	6	28	18	21¾	42	2½ to 1	1 Pc.
24	28	20	.064	.060	9	14	6	32	18	27½	48	2½ to 1	1 Pc.
30	35	24	.079	.075	10	16	6	39	18	37⅝	60	2½ to 1	1 Pc.
36	42	29	.079	.075	12	18	8	46	24	45⅜	75	2½ to 1	1 Pc.
42	49	33	.109	.105	13	21	9	53	24	54¾	85	2½ to 1	2 Pc.
48	57	38	.109	.105	18	26	12	63	24	68	90	2½ to 1	3 Pc.
54	64	43	.109	.105	18	30	12	70	24	72¾	102	2¼ to 1	3 Pc.
60	71	47	.109*	.105*	18	33	12	77	30	82¼	114	2¼ to 1	3 Pc.
66	77	52	.109*	.105*	18	36	12	77	—	—	126	2 to 1	3 Pc.
72	83	57	.109*	.105*	18	39	12	77	—	—	138	2 to 1	3 Pc.

3" X 1" CORRUGATIONS

EQUIV. DIA. (Inches)	(Inches) SPAN	(Inches) RISE	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
48	53	41	.109	.105	18	26	12	63	24	72¾	90	2½ to 1	2 Pc.
54	60	46	.109	.105	18	30	12	70	30	82¼	102	2 to 1	2 Pc.
60	66	51	.109*	.105*	18	33	12	77	—	—	114	1½ to 1	3 Pc.
66	73	55	.109*	.105*	18	36	12	77	—	—	126	1½ to 1	3 Pc.
72	81	59	.109*	.105*	18	39	12	77	—	—	138	2 to 1	3 Pc.
78	87	63	.109*	.105*	22	38	12	77	—	—	148	1½ to 1	3 Pc.
84	95	67	.109*	.105*	22	34	12	77	—	—	162	1½ to 1	3 Pc.
90	103	71	.109*	.105*	22	38	12	77	—	—	174	1½ to 1	3 Pc.
96	112	75	.109*	.105*	24	40	12	77	—	—	174	1½ to 1	3 Pc.

NOTE: ALL SPLICES TO BE LAP RIVETED OR BOLTED.

* EXCEPT CENTER PANEL SEE GENERAL NOTES

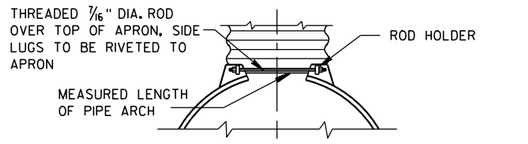
REINFORCED CONCRETE PIPE ARCH

EQUIV. DIA. (Inches)	DIMENSIONS (Inches) ** SPAN	** RISE	T	A	B	C	D	E	APPROX. SLOPE
24	29	18	3	8½	39	33	72	48	3 to 1
30	36	22	3½	9½	50	46	96	60	3 to 1
36	44	27	4	11⅛	60	36	96	72	3 to 1
42	51	31	4½	15 13/16	60	36	96	78	3 to 1
48	58	36	5	21	60	36	96	84	3 to 1
54	65	40	5½	25½	60	36	96	90	3 to 1
60	73	45	6	31	60	36	96	96	3 to 1
72	88	54	7	31	60	39	99	120	2 to 1
84	102	62	8	28½	83	19	102	144	2 to 1

REINFORCED CONCRETE ELLIPTICAL PIPE

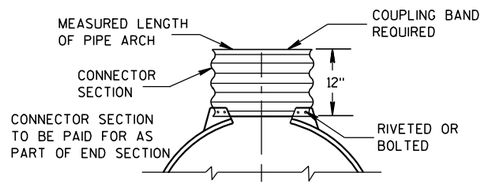
EQUIV. DIA. (Inches)	DIMENSIONS (Inches) ** SPAN	** RISE	T	A	B	C	D	E	APPROX. SLOPE
24	30	19	3¼	8½	39	33	72	48	3 to 1
30	38	24	3¾	9½	54	18	72	60	3 to 1
36	45	29	4½	11⅛	60	24	84	72	2½ to 1
42	53	34	5	15¾	60	36	96	78	2½ to 1
48	60	38	5½	21	60	36	96	84	2½ to 1
54	68	43	6	25½	60	36	96	90	2½ to 1
60	76	48	6½	30	60	36	96	96	2½ to 1

**NOMINAL SIZE



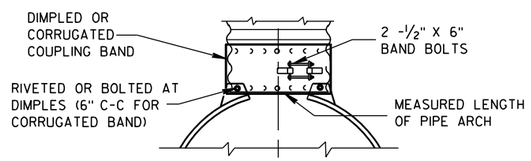
TYPE 2

FOR 17" X 13" THRU 112" X 75" PIPE ARCH



TYPE 3

FOR 64" X 43" THRU 112" X 75" PIPE ARCH



TYPE 5

ALTERNATE FOR:

ALL SIZES CORRUGATED PIPE ARCHES

NOTE: DIMPLED BAND FITS OVER OUTSIDE OF ENDWALL, AND CORRUGATED BAND FITS INSIDE ENDWALL.

CONNECTION DETAILS

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 APRON ENDWALLS MAY NOT BE USED WITH GALVANIZED STEEL OR ALUMINUM CULVERT PIPE OR VISE VERSA. GALVANIZED STEEL OR ALUMINUM APRON ENDWALLS SHALL NORMALLY BE INSTALLED ON CULVERT PIPE OF THE SAME METAL.

ALL THREE PIECE STEEL APRON ENDWALLS FOR 66" X 51" PIPE ARCH AND LARGER SHALL HAVE 0.109" SIDES AND 0.138" CENTER PANELS. ALL THREE PIECE ALUMINUM APRON ENDWALLS FOR 66" X 51" PIPE ARCH 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 ARCH 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 77" X 52" THROUGH 112" X 75" 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 ARCH SIZES UP TO 73" X 55" A 180° ROLLED EDGE MAY BE USED INSTEAD OF STEEL ROD REINFORCEMENT. SEE SECTION A-A.

APRON ENDWALLS FOR PIPE ARCH AND ELLIPTICAL PIPE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

11/30/94 — DATE

/S/ Rory L. Rhinesmith — CHIEF ROADWAY DEVELOPMENT ENGINEER

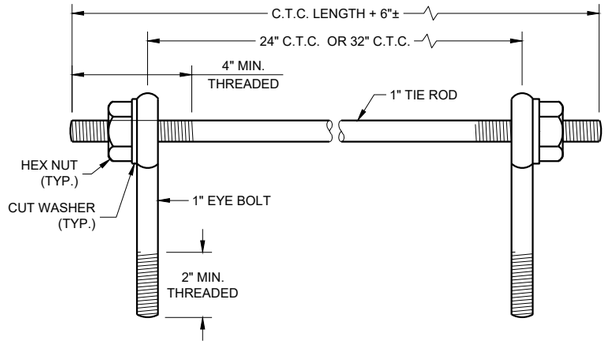
FHWA

6

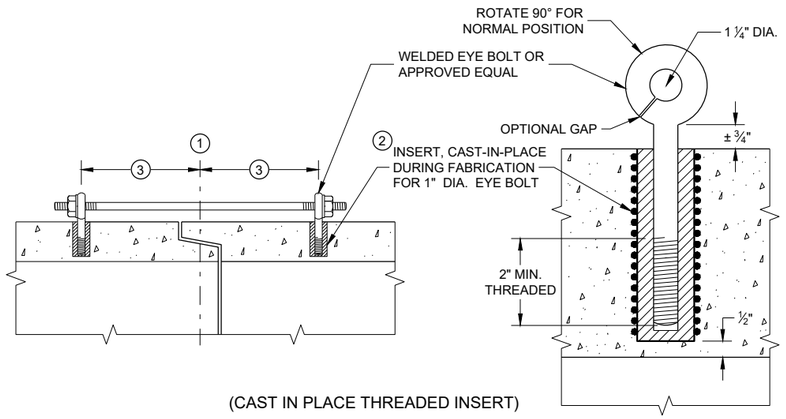
S.D.D. 8 F 2-1

6

S.D.D. 8 F 2-1



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.

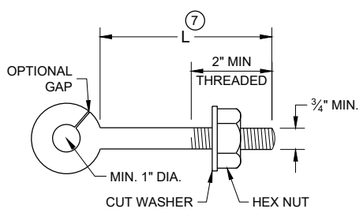
(3) HOLES SHALL BE CAST-IN-PLACE OR DRILLED PER THE APPLICABLE DETAIL, AND EQUAL DISTANCE FROM THE CENTERLINE OF THE JOINT.

(4) BOLT PROJECTION INSIDE OF PIPE SHALL NOT EXCEED 2 INCHES.

(5) OPENING TO BE ROD DIAMETER PLUS 1 INCH.

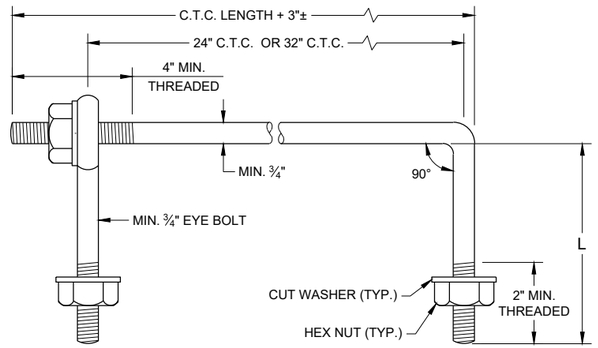
(6) LENGTH ADEQUATE TO EXTEND TO WITHIN ½ INCH OF THE INNER SURFACE OF THE PIPE.

(7) EYE BOLT LENGTH DETERMINED BY WALL THICKNESS, BELL THICKNESS AND BOLT PROJECTION INSIDE PIPE.

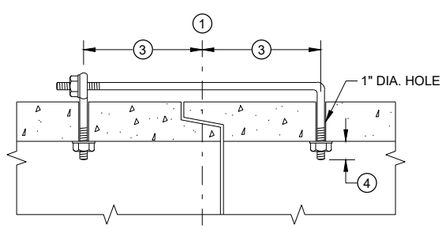


EYE BOLT (7)

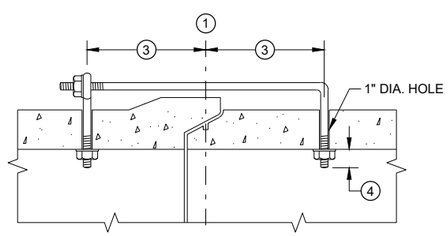
NOTE: TWO EYE BOLTS MAY BE USED WITH A 30" OR 38" LONG THREADED ROD IN LIEU OF THE 90° BENT TIE ROD.



EYE BOLT AND TIE ROD



(TONGUE AND GROOVE PIPE)



(MODIFIED BELL PIPE)

LONGITUDINAL SECTION

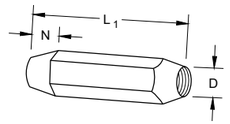
(JOINT TIES FOR 18" TO 66" DIA. CONCRETE PIPE)

EYE BOLT AND TIE ROD ASSEMBLY (ALTERNATE NO. 2)

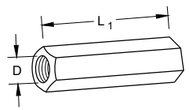
ADJUSTABLE TIE ROD TABLE

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



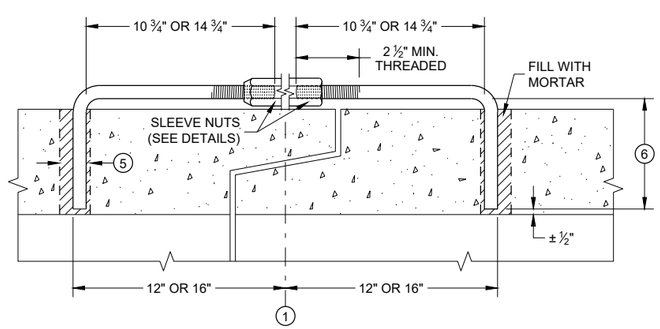
TAPERED



PLAIN

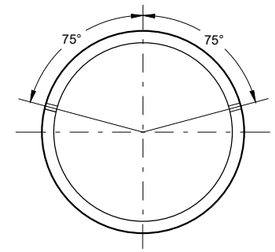
RIGHT AND LEFT THREADS

SLEEVE NUTS



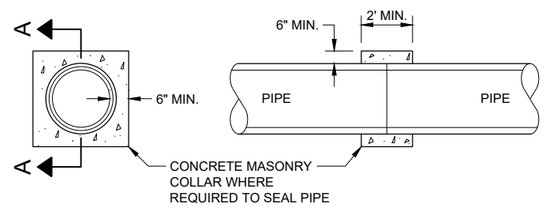
LONGITUDINAL SECTION

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

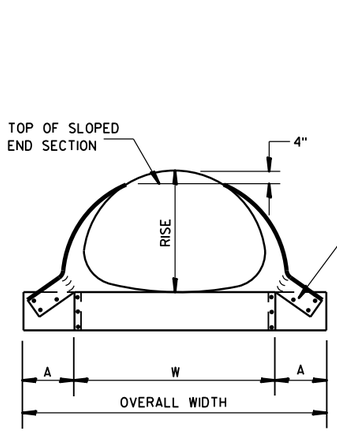
JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

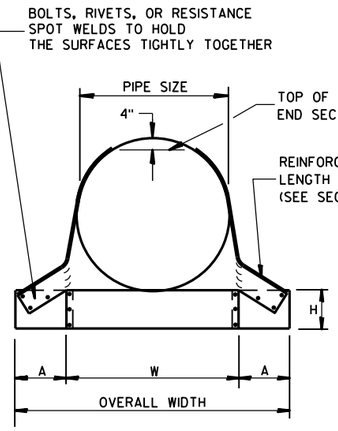
APPROVED
November 2021 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVE ENGINEER
FHWA

SDD 08F04 - 08

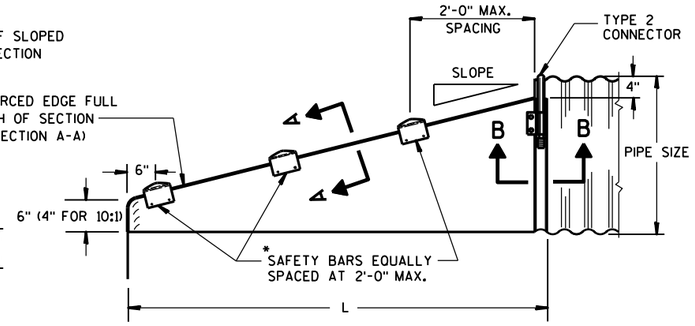
SDD 08F04 - 08



FRONT VIEW



FRONT VIEW



SIDE VIEW

GENERAL NOTES

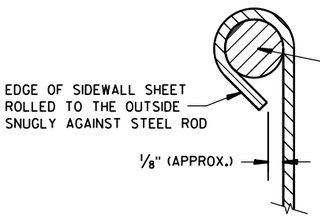
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

SLOPED END SECTIONS SHALL CONFORM TO THE REQUIREMENTS OF THE STANDARD SPECIFICATIONS, SECTION 521 FOR STEEL APRON ENDWALLS.

SAFETY BARS SHALL BE FABRICATED FROM GALVANIZED STEEL PIPE MEETING THE REQUIREMENTS OF ASTM A-53, GRADE B, SCHEDULE 40 OR APPROVED EQUAL.

STEEL APRON ENDWALLS FOR CULVERT PIPE
SLOPED SIDE DRAINS

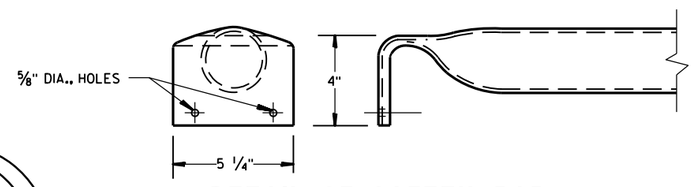
PIPE DIA. (IN.)	MIN. THICK. (Inches)	DIMENSIONS (Inches)				L DIMENSIONS					
		A	H	W	OVERALL WIDTH	SLOPE	LENGTH INCHES	SLOPE	LENGTH INCHES	SLOPE	LENGTH INCHES
15	.064	8	6	21	37	4:1	20	6:1	30	10:1	70
18	.064	8	6	24	40	4:1	32	6:1	48	10:1	100
21	.064	8	6	27	43	4:1	44	6:1	66	10:1	130
24	.064	8	6	30	46	4:1	56	6:1	84	10:1	160
30	.109	12	9	36	60	4:1	80	6:1	120	10:1	220
36	.109	12	9	42	66	4:1	104	6:1	156	10:1	280
42	.109	16	12	48	80	4:1	128	6:1	192	——	——
48	.109	16	12	54	86	4:1	152	6:1	228	——	——
54	.109	16	12	60	92	4:1	176	6:1	264	——	——
60	.109	16	12	66	98	4:1	200	6:1	300	——	——



SECTION A-A

*NOTE:
THREE SAFETY BARS ARE SHOWN. ACTUAL NUMBER OF BARS REQUIRED AT A 2'-0" C-C MAX. SPACING WILL VARY DEPENDING ON THE LENGTH OF THE END SECTION.

3" GALVANIZED PIPE. FLATTEN ENDS, THEN BEND OUTSIDE 4" TO MATCH END SECTION SIDES.

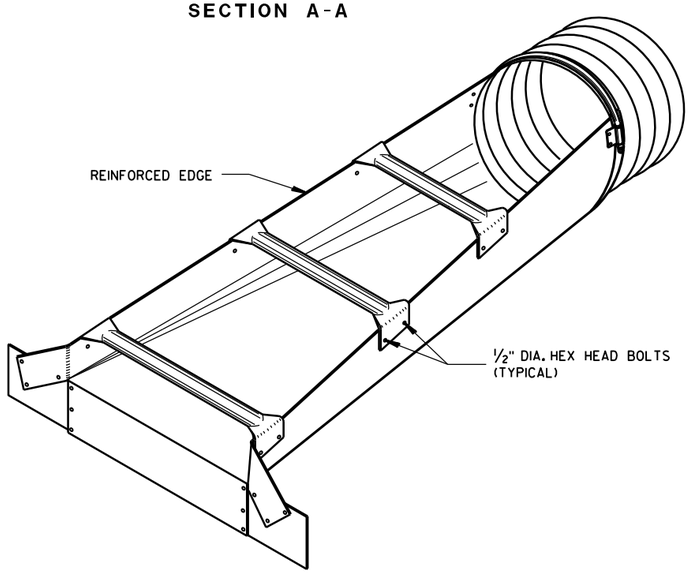


DETAIL OF SAFETY BAR

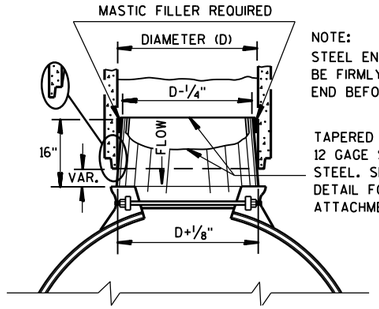
STEEL APRON ENDWALLS FOR PIPE ARCH
SLOPED SIDE DRAINS

EQUIV. DIA. (Inches)	(Inches) SPAN	(Inches) RISE	MIN. THICK. (Inches) ①	DIMENSIONS (Inches) A	H	W	OVERALL WIDTH	L DIMENSIONS SLOPE	LENGTH INCHES	SLOPE	LENGTH INCHES	SLOPE	LENGTH INCHES
15	17	13	.064 *	7	6	30	44	4:1	19	6:1	30	10:1 ②	70
18	21	15	.064 *	8	6	27	43	4:1	20	6:1	30	10:1	70
21	24	18	.064 *	8	6	30	46	4:1	32	6:1	48	10:1	100
24	28	20	.064 *	8	6	34	50	4:1	40	6:1	60	10:1	120
30	35	24	.079 *	12	9	41	65	4:1	56	6:1	84	10:1	160
36	42	29	.109 *	12	9	48	72	4:1	76	6:1	114	10:1	210
42	49	33	.109	16	12	55	87	4:1	92	6:1	138	——	——
48	57	38	.109	16	12	63	95	4:1	112	6:1	168	——	——
54	64	43	.109	16	12	70	102	4:1	132	6:1	198	——	——

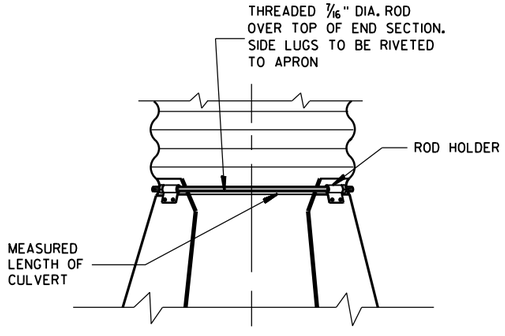
① * MINIMUM THICKNESS OF ALL 10:1 SLOPED SIDE DRAINS IS 0.109".
② ACTUAL SLOPE GREATER THAN 10:1.



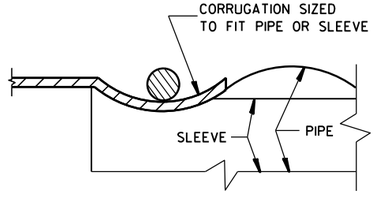
ISOMETRIC VIEW



STEEL ADAPTER SLEEVE FOR CONCRETE PIPE



TYPE 2
CONNECTION DETAIL



SECTION B-B

STEEL APRON ENDWALLS FOR CULVERT PIPE AND PIPE ARCH SLOPED SIDE DRAINS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

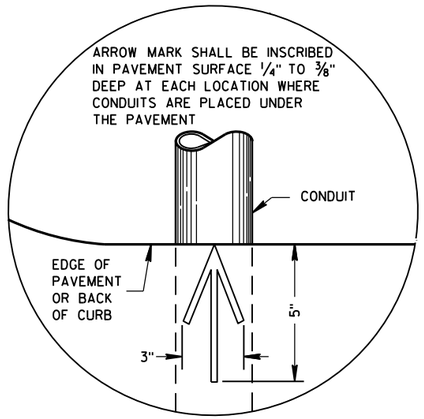
APPROVED
9/14/2012 DATE
/S/ Jerry H. Zoda
ROADWAY STANDARDS DEVELOPMENT ENGINEER
FHWA

6

S.D.D. 8 F 7-5

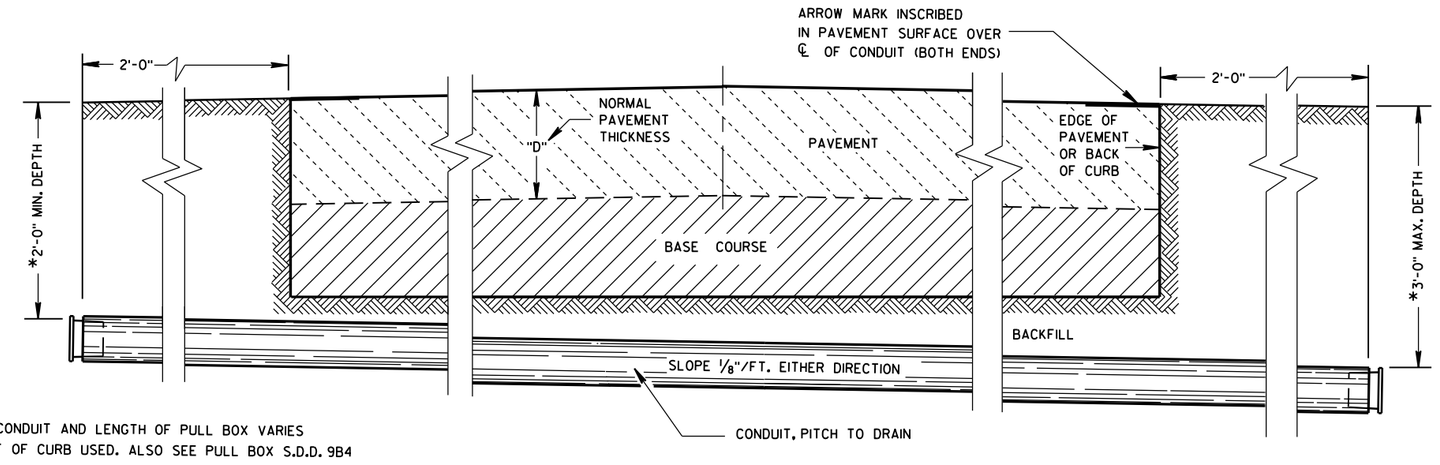
6

S.D.D. 8 F 7-5



PLAN VIEW

ARROW MARK



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

SIDE ELEVATION

DETAIL FOR CONDUIT UNDER PAVED HIGHWAYS

GENERAL NOTES

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

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

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

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

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

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

ALL METALLIC CONDUIT RACEWAY ENDS SHALL BE REAMED AND THREADED.

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

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

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

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

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

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

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

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

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

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

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

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

CONDUIT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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

6

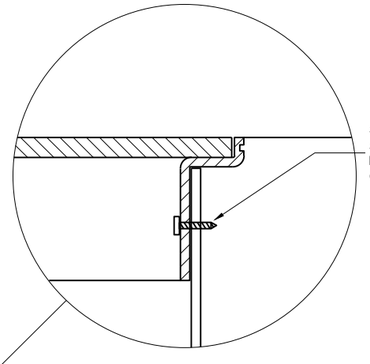
S.D.D. 9 B 2-10

TABLE OF NOMINAL DIMENSIONS
AND WEIGHTS

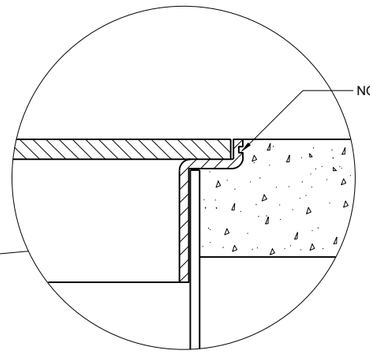
DIMENSION IN INCHES		NON- CONDUCTIVE PULL BOX	
BOX DIAMETER ** (INSIDE)	A	24	24
BOX OVERALL OUTSIDE DIAMETER	B	27	27
BOX LENGTH	C	36	42
FRAME OPENING	D	22 ½	22 ½
WEIGHT IN POUNDS *			
COVER		50	50
BOX ONLY		75	85

*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".

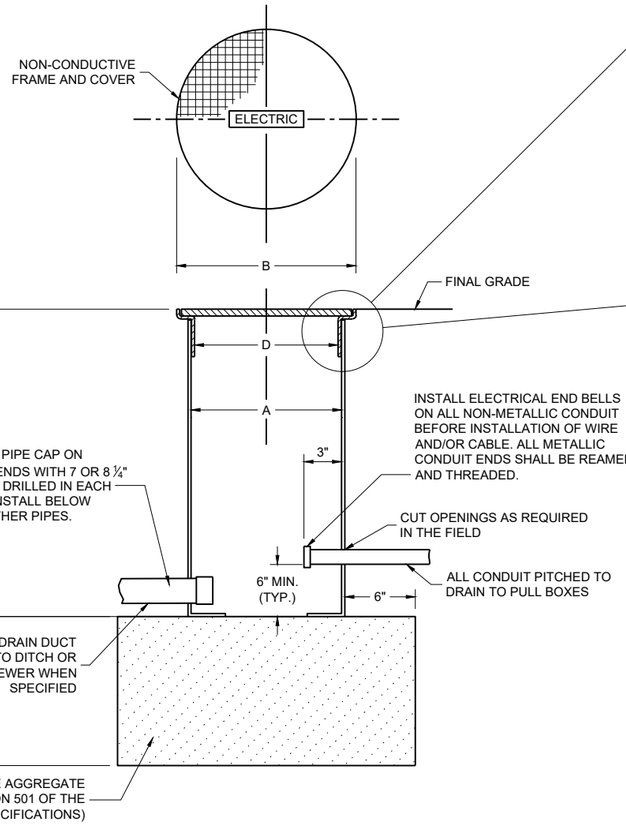
THE CONTRACTOR SHALL NOT INSTALL WIRE IN ANY PULL BOX UNTIL ITS INSTALLATION HAS BEEN INSPECTED AND ACCEPTED BY THE ENGINEER.

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

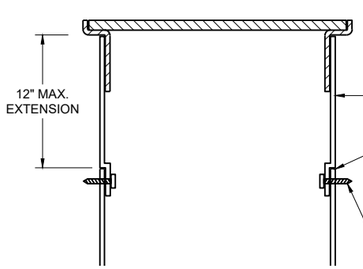
ENTIRE BOX MUST BE CONSTRUCTED OF NON-CONDUCTIVE MATERIALS WITH THE EXCEPTION OF STAINLESS STEEL FASTENERS AND MAGNETIC LOCATABLE DEVICE.

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.

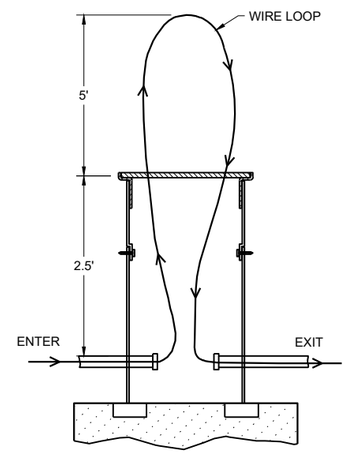
LABEL ON COVER SHALL READ "ELECTRIC" FOR SIGNAL AND LIGHTING SYSTEMS, "WISDOT ITS" FOR COMMUNICATIONS AND ITS EQUIPMENT SYSTEMS.



NON-CONDUCTIVE PULL BOX



BOX EXTENSION



MEASUREMENT DETAIL FOR WIRE/CABLE IN THE PULL BOX

PULL BOXES NON-CONDUCTIVE

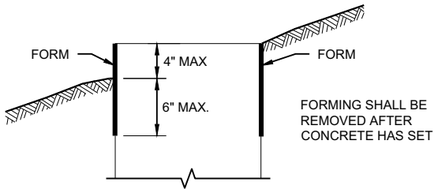
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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

FHWA

6
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.

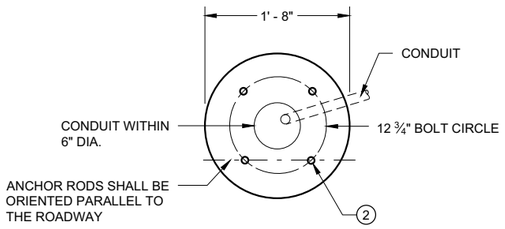
WASHERS AND LOCK WASHERS ARE REQUIRED ON ALL ANCHOR RODS.

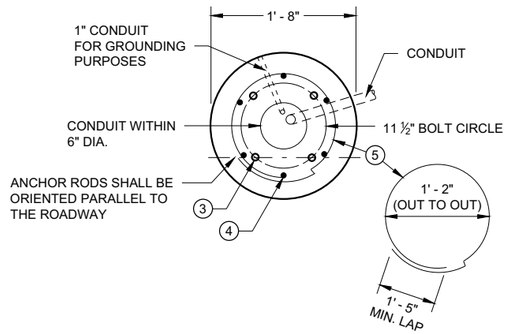
WHEN ANCHOR RODS USING THE ALTERNATE "L" BEND ARE FURNISHED, THE 4 INCH"L" BEND SHALL BE IN ADDITION TO THE SPECIFIED ANCHOR ROD BAR LENGTH. THE "L" BEND SHALL NOT BE THREADED.

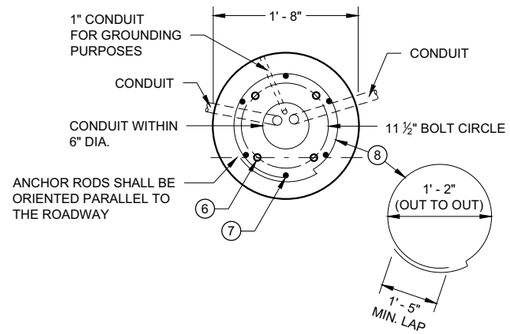
ANCHOR RODS SHALL BE INSTALLED WITH MISALIGNMENTS OF LESS THAN 1:40 FROM VERTICAL.

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

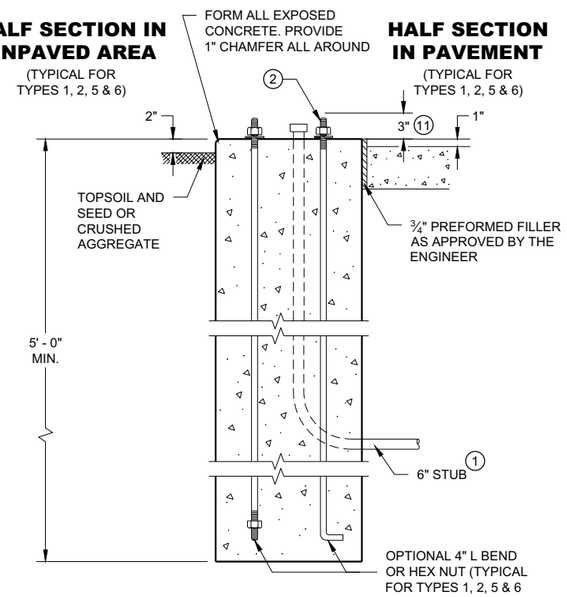
10 ⅝" DIA. X 8' -0" COPPERCLAD EQUIPMENT GROUNDING ELECTRODE REQUIRED

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.

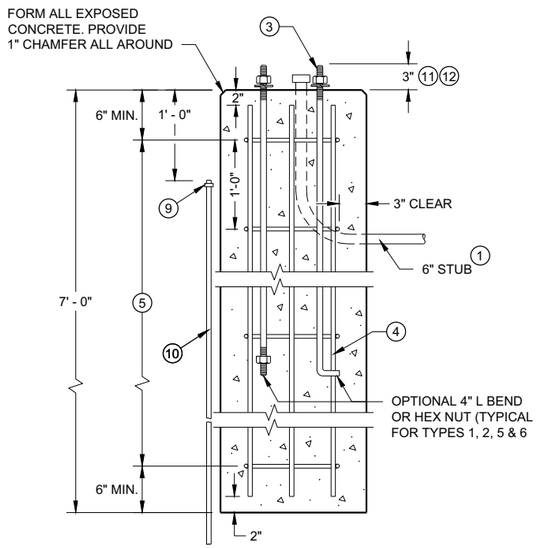
12 FOR NON - BREAKAWAY INSTALLATIONS, 4 ½" ± ANCHOR ROD PROJECTION WITH THE USE OF LEVELING NUTS. RODENT SCREEN REQUIRED.

HALF SECTION IN UNPAVED AREA
(TYPICAL FOR TYPES 1, 2, 5 & 6)

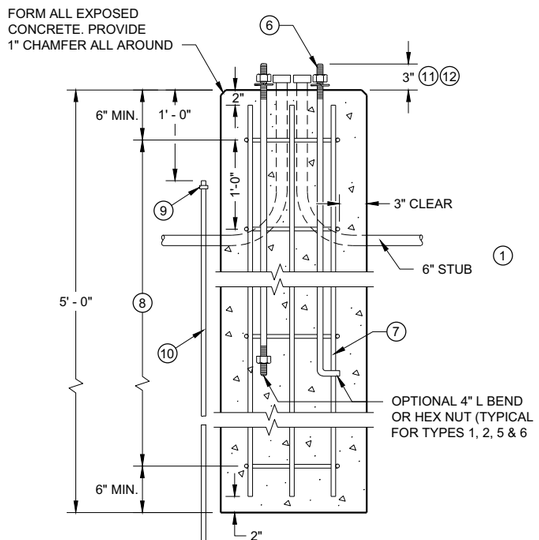
HALF SECTION IN PAVEMENT
(TYPICAL FOR TYPES 1, 2, 5 & 6)



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
228

FHWA

GENERAL NOTES

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

FOUR (4) BOLTS SHALL BE FURNISHED WITH EACH TRANSFORMER BASE. BOLTS SHALL BE 1" DIAMETER, 4" IN LENGTH, WITH WASHERS, LOCK WASHERS AND NUTS. BOLTS, NUTS AND WASHERS SHALL BE MANUFACTURED IN ACCORDANCE WITH SECTION 531.2.2 OF THE STANDARD SPECIFICATIONS.

LEVELING SHIMS, IF NEEDED, SHALL BE DESIGNED FOR THE PURPOSE AND USED UNDER CAST BASES WHEN PLUMBING POLES OR STANDARDS DURING INSTALLATION. THE USE OF WASHERS IN LIEU OF PROPER LEVELING SHIMS IS NOT ACCEPTABLE.

SHIM LENGTH SHALL BE LONG ENOUGH TO COMPLETELY COVER THE AREA UNDER THE LENGTH AND WIDTH OF THE BASE MOUNTING FLANGE.

DOUBLE NUTTING IS NOT ACCEPTABLE FOR LEVELING OR MOUNTING PURPOSES.

A NEMA APPROVED, U.L. LISTED, COPPER WITH BRASS OR STAINLESS STEEL SET SCREW, DIRECT BURY RATED, MECHANICAL CONNECTOR (LUG), SIZED TO ACCEPT AWG. #10 TO #4 COPPER STRANDED WIRE SHALL BE FURNISHED AND INSTALLED IN THE PEDESTAL AND TRANSFORMER BASES.

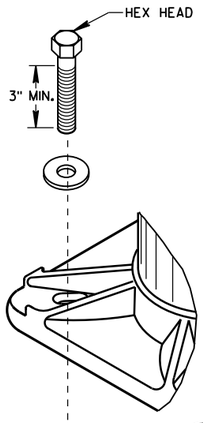
THE MECHANICAL CONNECTOR SHALL BE INSTALLED USING A 1/4" - 20 (TPI) STAINLESS STEEL HEX HEAD BOLT OF SUFFICIENT LENGTH TO FIRMLY ATTACH THE LUG TO THE BASE.

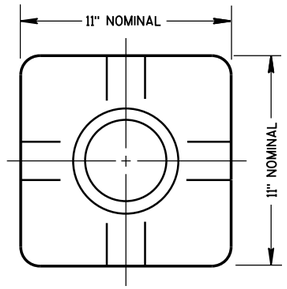
SHOULD THE MANNER OF ATTACHMENT OF THE LUG REQUIRE WASHERS, HEX NUTS, LOCK WASHER - THEY SHALL BE STAINLESS STEEL AS IS THE BOLT. THE MANNER OF ATTACHMENT SHALL NOT BLOCK ACCESSIBILITY TO WIRE PLACEMENT IN THE CONNECTOR.

PEDESTAL BASE COLLAR THREADING SHALL BE TAPERED AND IN ACCORDANCE WITH NATIONAL PIPE THREADING DIMENSIONS.

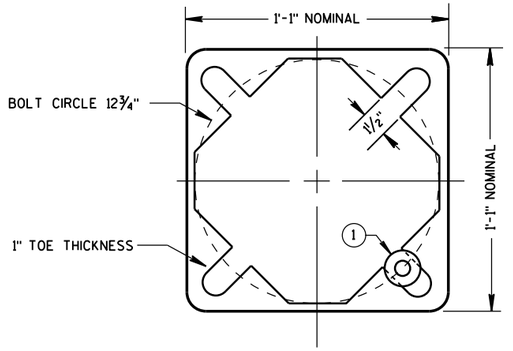
BASE COLLAR THREADING SHALL EXTEND INTO THE BASE COLLAR WITH SUFFICIENT DEPTH TO ACCEPT THE INSTALLATION OF TRAFFIC SIGNAL STANDARDS TO A DEPTH OF 1 1/2", THEN TIGHTENING TO A POINT OF BEING IMMOVABLE.

THE ACCESS DOOR SHALL BE OF THE SAME MATERIAL AS THE BASE.

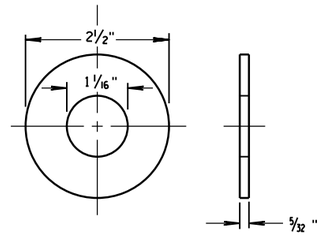




TOP VIEW
(PEDESTAL BASE)

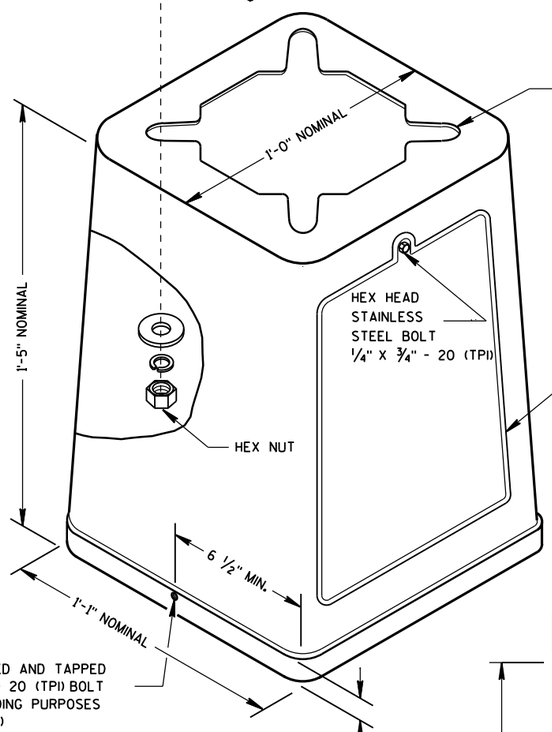


BOTTOM VIEW
(PEDESTAL BASE)

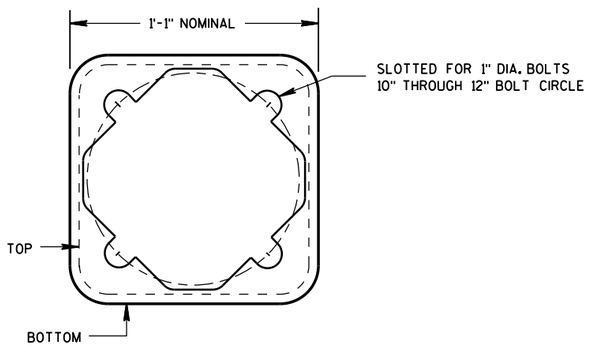


ZINC COATED STEEL WASHER
TO BE PROVIDED BY THE CONTRACTOR

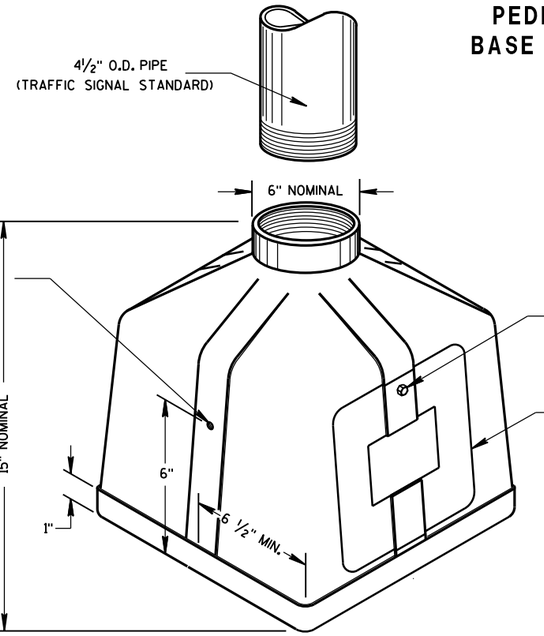
PEDESTAL BASE WASHER (1)



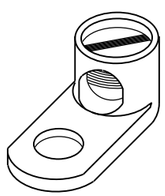
ISOMETRIC VIEW



BOTTOM VIEW
(TRANSFORMER BASE)

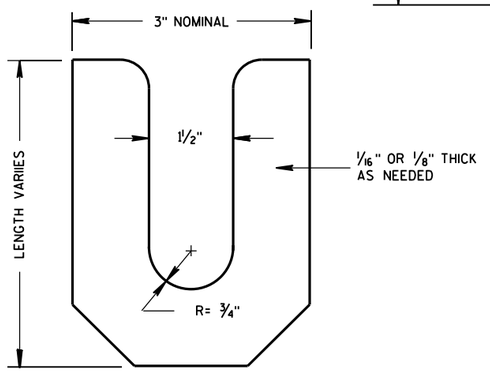


ISOMETRIC VIEW
PEDESTAL BASE



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

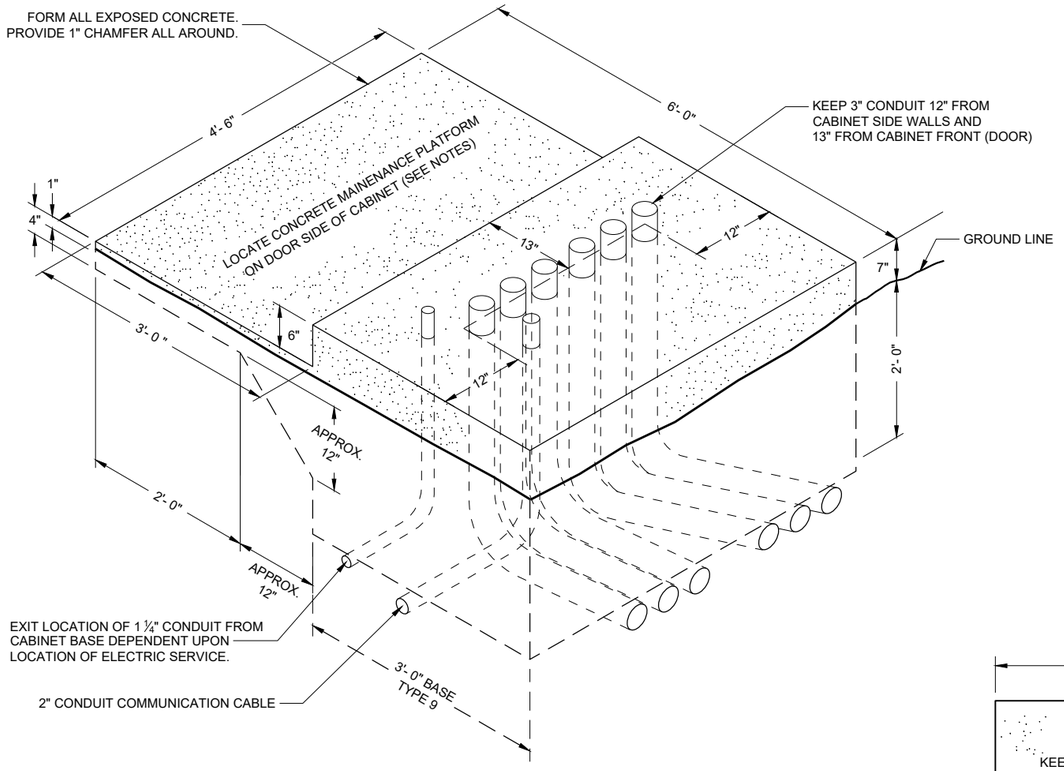
6

S.D.D. 9 C 3-4

6

S.D.D. 9 C 3-4

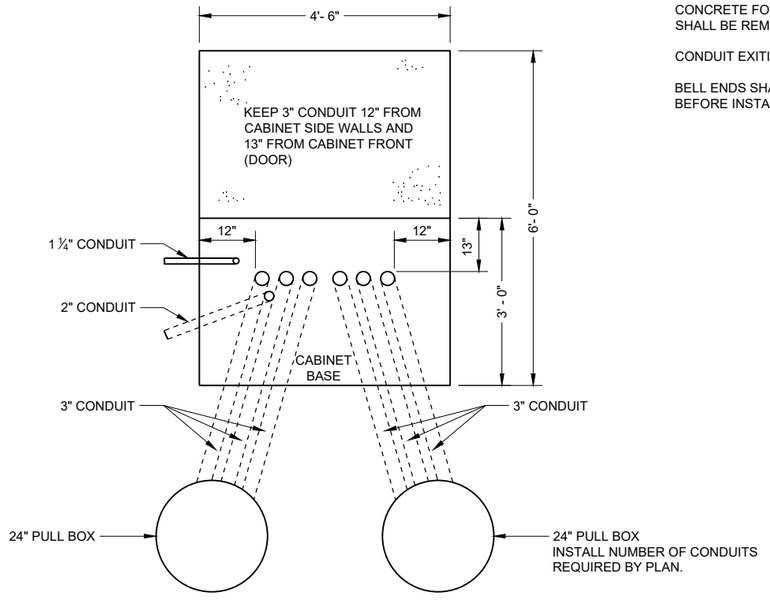
SDD 09C06 Concrete Control Cabinet Base, Type 9, Special



ISOMETRIC VIEW

TYPE 9 SPECIAL

(C.Y. CONCRETE = APPROX. 1.56)



PLAN VIEW

CONCRETE CONTROL CABINET BASE, TYPE 9 SPECIAL

GENERAL NOTES

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

INSTALL FOUR INCH MINIMUM DIAMETER X 4 INCH MINIMUM LENGTH STAINLESS STEEL APPROVED CONCRETE MASONRY ANCHORS WITH A PULLOUT STRENGTH OF 9,000 LBS. TO ANCHOR THE CABINET TO TYPE 6, 7, 8, AND 9 BASES. THE ANCHOR STUDS SHALL BE LOCATED AS DIRECTED BY THE ENGINEER TO PROPERLY ANCHOR THE CONTROL CABINET TO THE BASE.

WHEN REQUIRED TO CONNECT NON - METALLIC CONDUIT TO METALLIC CONDUIT, ONLY ADAPTER FITTINGS, U. L. LISTED FOR ELECTRICAL USE, SHALL BE USED.

CONDUIT HEIGHT ABOVE THE CONCRETE BASE SHALL BE 1 INCH.

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

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

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

CONTROL CABINET BASE TOP SURFACE SHALL BE TROWEL FINISHED SMOOTH AND LEVEL.

MAINTENANCE PLATFORM SHALL BE FLOAT OR BROOM FINISHED AND LEVEL.

MAINTENANCE PLATFORMS ARE NOT REQUIRED WHEN THE SURROUNDING AREA IS PAVED.

MINIMUM BENDING RADIUS OF CONDUIT EQUALS 6 TIMES THE DIAMETER.

ALL METALLIC CONDUIT ENDS SHALL BE REAMED AND THREADED.

CAP ALL BELOW GRADE METALLIC CONDUIT ENDS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED.

PLUG ALL BELOW GRADE NON - METALLIC CONDUIT ENDS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED.

ALL CONDUIT ENDS AT THE TOP OF CONCRETE BASES SHALL BE CAPPED IF METALLIC OR PLUGGED IF NON - METALLIC IMMEDIATELY AFTER PLACEMENT AND BEFORE CONCRETE IS POURED. CONDUITS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED SHALL REMAIN CAPPED OR PLUGGED.

CONCRETE FORM DEPTH BELOW FINISHED GRADE SHALL BE 6 INCHES MAXIMUM. CONCRETE FORMS SHALL BE REMOVED AFTER CONCRETE HAS SET.

CONDUIT EXITING THE CONCRETE BASE (SIX 3") SHALL TERMINATE IN PULL BOXES AS SHOWN ON THE PLANS.

BELL ENDS SHALL BE INSTALLED ON ALL PVC CONDUIT EXPOSED AT THE TOP OF THE CONCRETE BASE BEFORE INSTALLATION OF CABLE OR WIRE.

CONCRETE CONTROL CABINET BASE TYPE 9, SPECIAL

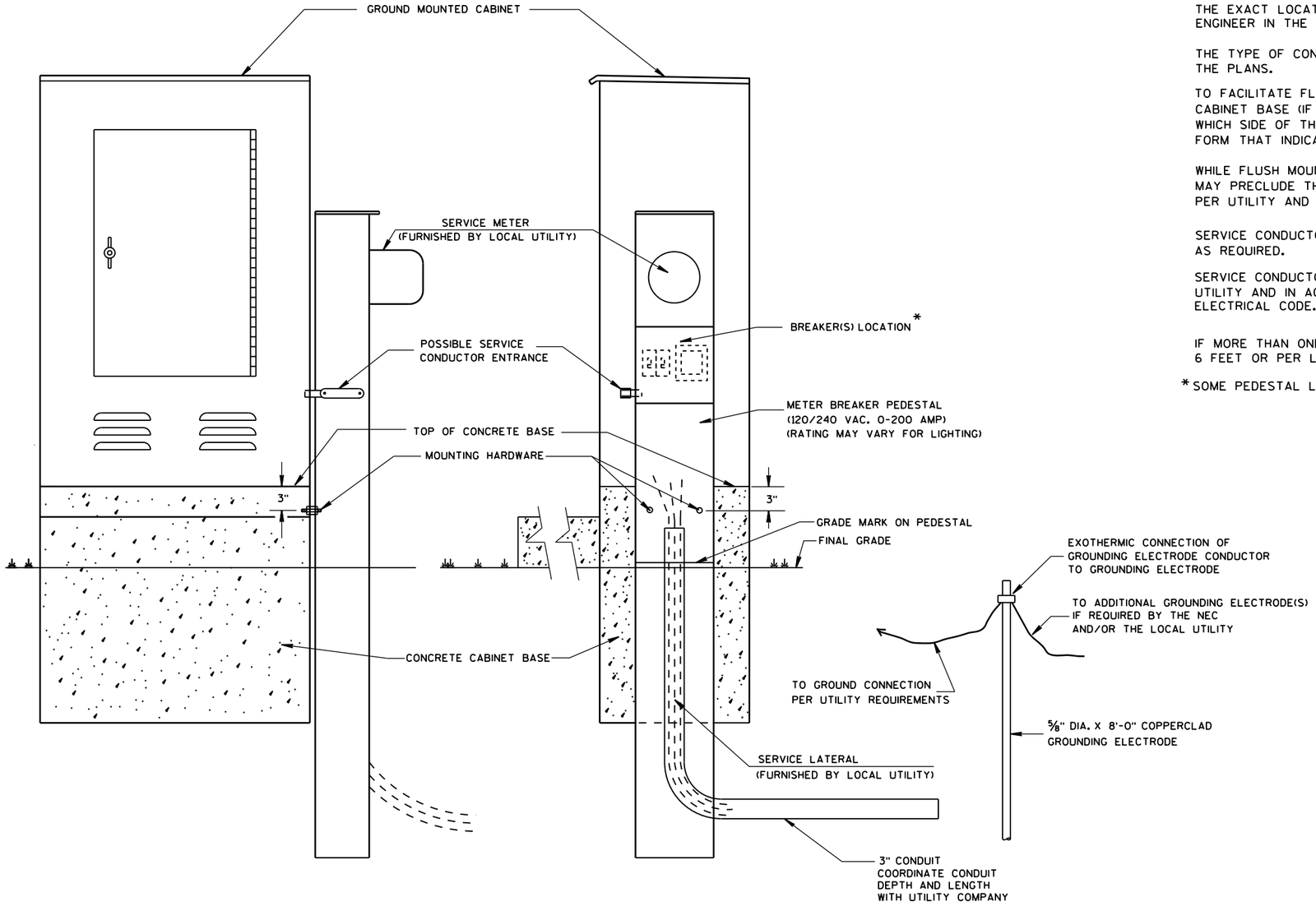
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
September 2014
DATE

/S/ Ahmet Demerbilek
STATE ELECTRICAL ENGI 230

FHWA

6
SDD 09C06 - 07



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.

6

S.D.D. 9 D 1-5

6

S.D.D. 9 D 1-5

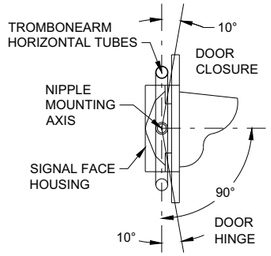
CABINET SERVICE INSTALLATION (METER BREAKER PEDESTAL)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

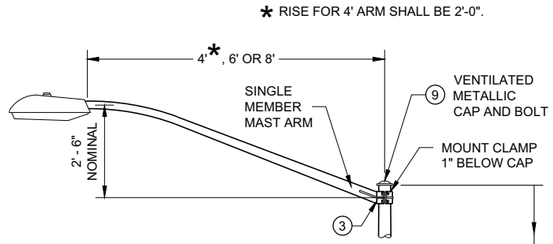
APPROVED
Sept. 2014
DATE

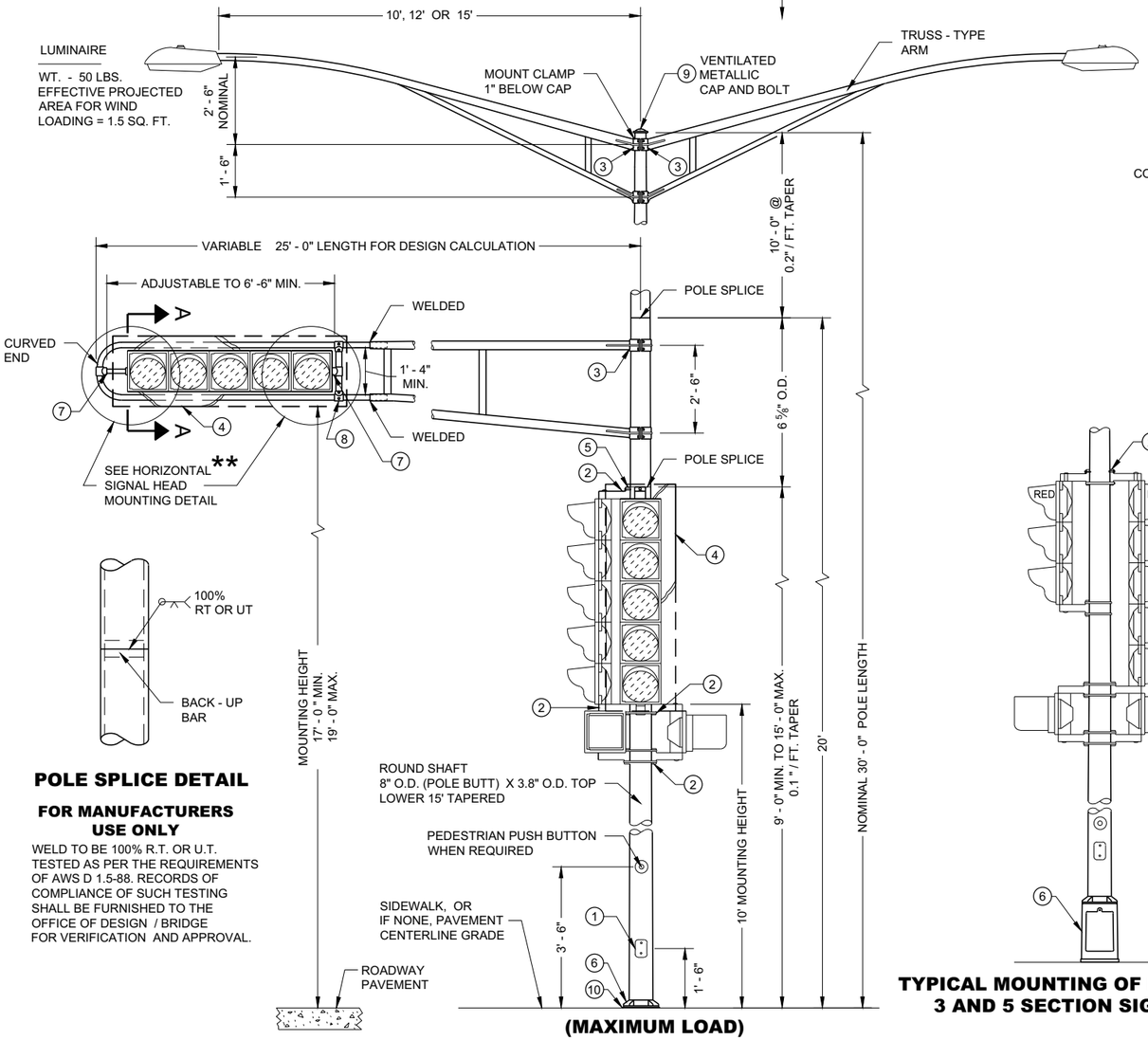
/S/ Ahmet Demirbilek
STATE ELECTRICAL

FHWA



SECTION A-A



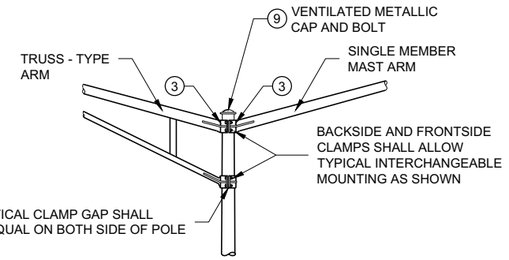


POLE SPLICE DETAIL

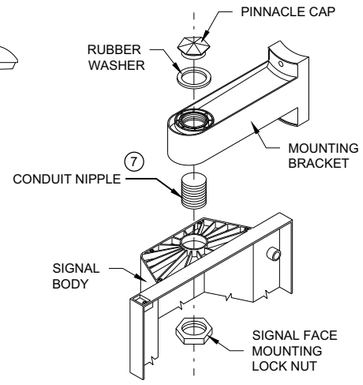
FOR MANUFACTURERS USE ONLY

WELD TO BE 100% R.T. OR U.T. TESTED AS PER THE REQUIREMENTS OF AWS D 1.5-88. RECORDS OF COMPLIANCE OF SUCH TESTING SHALL BE FURNISHED TO THE OFFICE OF DESIGN / BRIDGE FOR VERIFICATION AND APPROVAL.

(MAXIMUM LOAD)

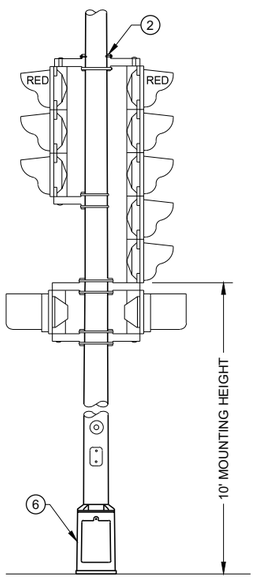


INTERCHANGEABLE MOUNTING DETAIL

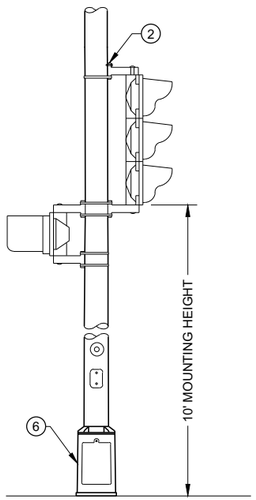


SIGNAL FACE MOUNTING DETAIL

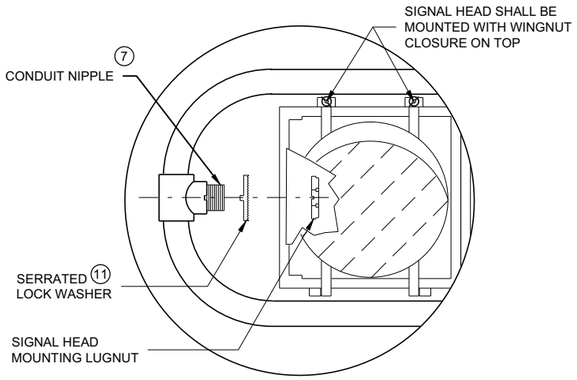
(BANDED)



TYPICAL MOUNTING OF BACK TO BACK 3 AND 5 SECTION SIGNAL FACES



TYPICAL MOUNTING OF 3 SECTION SIGNAL FACE



HORIZONTAL SIGNAL HEAD ** MOUNTING DETAIL

** SIGNAL HEAD ATTACHMENT ALSO APPLIES TO MOUNTING AT CROSS BAR

TYPE 3 POLE MOUNTING CONFIGURATION

GENERAL NOTES

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

ALL TYPE 3 POLE MOUNTINGS SHALL BE DESIGNED TO INCLUDE TWIN 15' ARMS WITH LUMINAIRES.

POLES SHALL BE GALVANIZED STEEL.

SECTION 657, POLES, OF THE STANDARD SPECIFICATIONS SHALL APPLY TO THIS DRAWING.

A PULL WIRE / ROPE SHALL BE INSTALLED IN EACH TROMBONE ARM RACEWAY DURING THE MANUFACTURING PROCESS.

THE SLIPFITTER END OF THE LUMINAIRE MAST ARM SHALL BE A NOMINAL 2 3/8 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) SIGNAL FACE MOUNTING BRACKETS. MOUNT WITH CAP SCREWS AND BANDING.

(3) GROMMETS. 1" CHASE NIPPLES OR 1" CLOSE CONDUIT NIPPLES WITH BUSHINGS SHALL BE PROVIDED FOR 1 3/8" HOLE IN POLE SHAFT FOR WIRING.

(4) SECURELY MOUNT DULL BLACK POLYCARBONATE BACKPLATES, PROJECTING 5" BEYOND ALL SIDES OF THE SIGNAL FACE HOUSING, PER MANUFACTURER'S RECOMMENDATIONS.

(5) POLE MOUNTED SIGNAL FACES SHALL REQUIRE ONE OR MORE MOUNTING SPACERS UNDER THE TOP MOUNTING BRACKET(S) AS REQUIRED, TO PLUMB THE SIGNAL FACE.

(6) CAST ALUMINUM TRANSFORMER BASE, WHEN REQUIRED. UNDER MAX LOADING, TYPE 3 POLE SHALL BE MOUNTED DIRECTLY TO ITS CONCRETE BASE.

(7) USE 1 ½" ID NIPPLES ZINC-COATED RIGID METAL CONDUIT, LONG ENOUGH TO ACCOMMODATE FULL DEPTH THREADING INTO THE HEAD MOUNTING LOCK NUT IN ORDER TO TIGHTEN THE FACE, BUT THAT DO NOT INTERFERE WITH REFLECTOR CLOSURE. THREAD THE NIPPLE INTO THE MOUNTING BRACKET/ELBOW UNTIL TIGHT. USE APPROVED PINNACLE TYPE HARDWARE FROM A DEPARTMENT APPROVED MANUFACTURER TO CLOSE THE UNUSED 1 ½" OPENING IN SIGNAL FACES AND BRACKET ENDS.

(8) VERTICAL STRUT (ADJUSTABLE). ONE (1) SET SCREW (¼" X ¾" - 20 TPI STAINLESS STEEL, HEX HEAD) INTO EACH ARM MEMBER IF STRUT IS THE SLIDING TYPE.

(9) FURNISH AND INSTALL VENTILATED, CAST METALLIC (ALUMINUM ALLOY) CAPS. FASTEN CAPS WITH ONE (1) ¼" X ¾" - 20 TPI STAINLESS STEEL, HEX HEAD BOLT.

(10) SHIMMING, IF NEEDED, SHALL BE LOCATED BETWEEN THE CONCRETE FOUNDATION AND POLE.

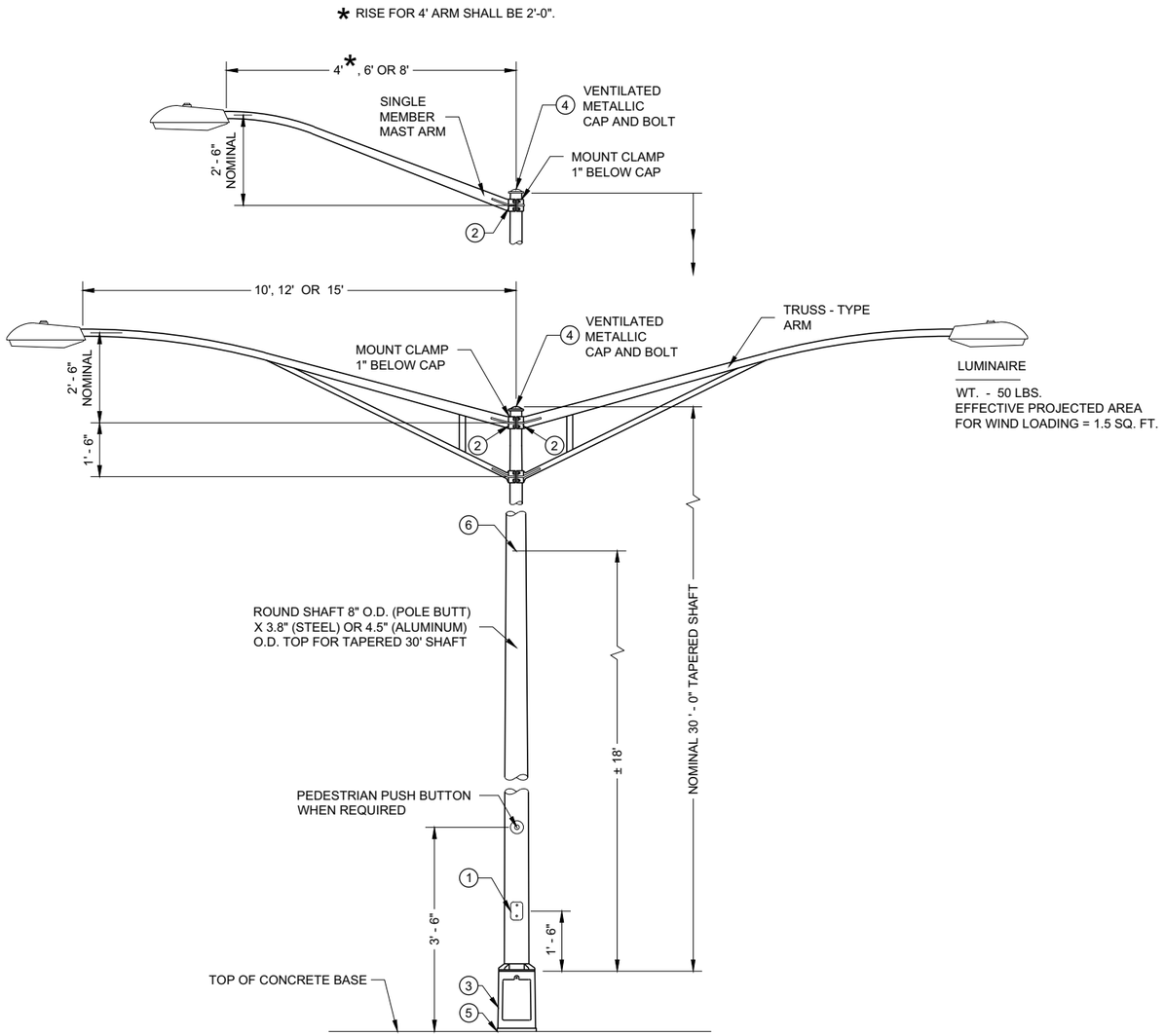
(11) USE SERRATED LOCK WASHERS WITH NOTCHES BETWEEN END TEE AND SIGNAL HEAD.

POLE MOUNTINGS FOR TRAFFIC SIGNALS AND LIGHTING UNITS TYPE 3 (HEAVY DUTY)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 09E01 - 15b



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.

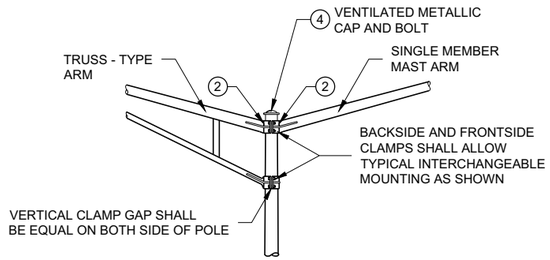
(2) GROMMETS. 1" CHASE NIPPLES OR 1" CLOSE CONDUIT NIPPLES WITH BUSHINGS SHALL BE PROVIDED FOR 1 ⅜" HOLE IN POLE SHAFT FOR WIRING.

(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.

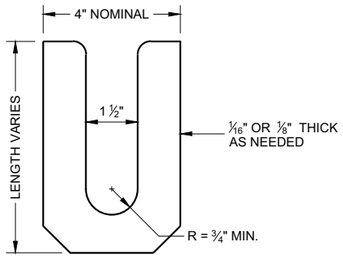
(6) INTERNAL DUMBBELL - TYPE VIBRATION DAMPER.



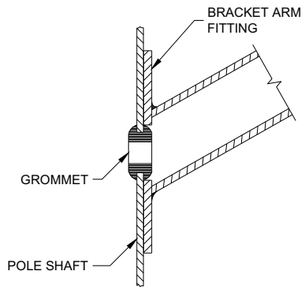
INTERCHANGEABLE MOUNTING DETAIL

POLE MOUNTINGS FOR LIGHTING UNITS, TYPE 5 (30 FEET)

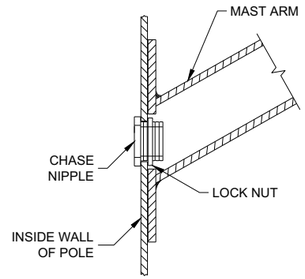
6
SDD 09E01 - 15d



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.

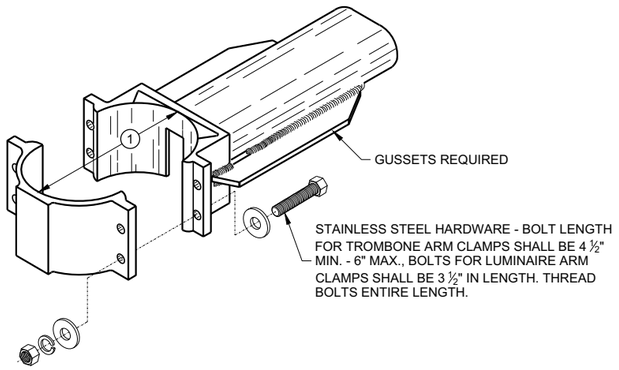
(1) 4.5" I.D. FOR LUMINAIRE MAST ARM CLAMP. 6.625" I.D. FOR TROMBONE MAST ARM CLAMP.

(2) INDIVIDUAL BASE PLATE ANCHOR ROD COVERS. (4 REQUIRED)

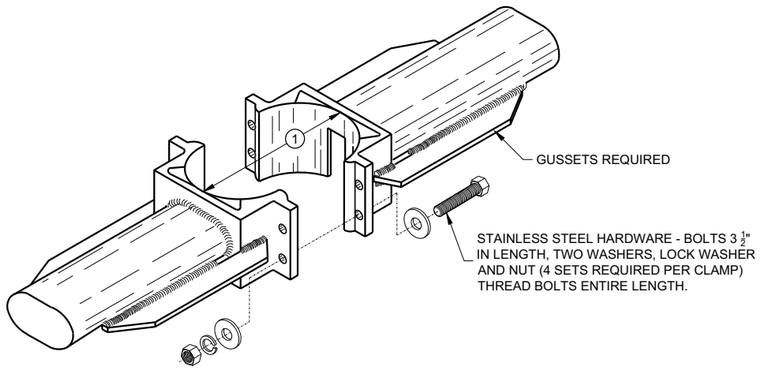
(3) BASE PLATE SLOTTED TO ACCEPT 11" THROUGH 12" BOLT CIRCLE USING 1" DIAMETER ANCHOR RODS.

(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.

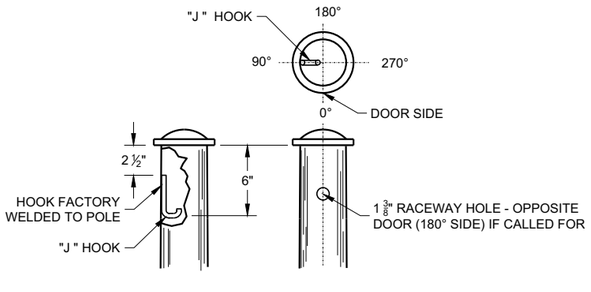
SHIMS SHALL BE LONG ENOUGH AND WIDE ENOUGH TO COMPLETELY COVER THE AREA UNDER THE LENGTH AND WIDTH OF THE BASE MOUNTING FLANGE.



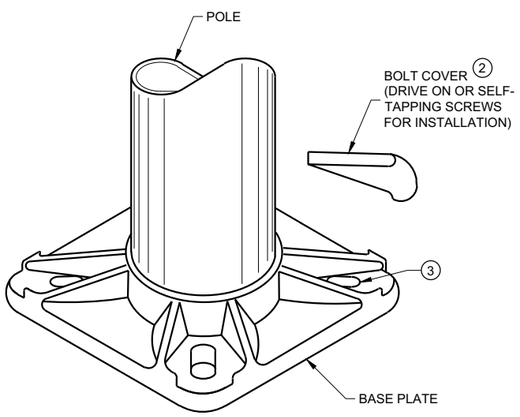
TYPICAL TROMBONE MAST ARM AND SINGLE LUMINAIRE MAST ARM MOUNTING CLAMP



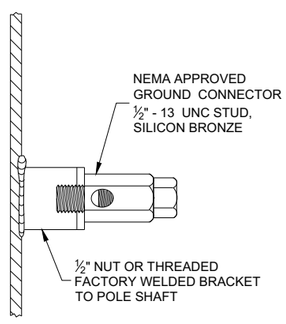
TYPICAL LUMINAIRE MAST ARM (DOUBLE) MOUNTING BRACKETS

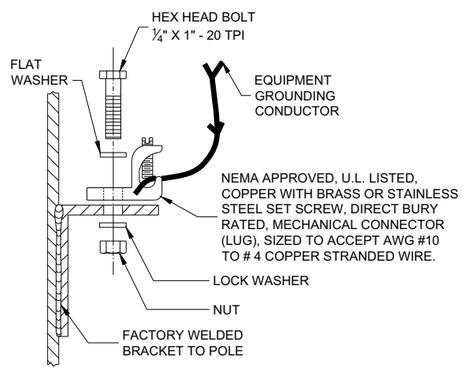


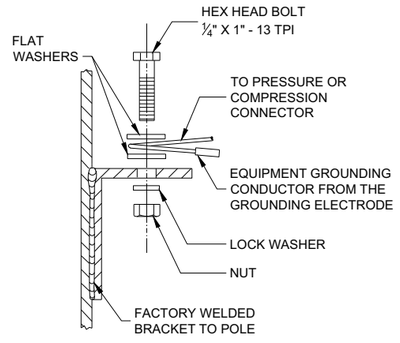
TYPICAL "J" HOOK LOCATION



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

234

FHWA

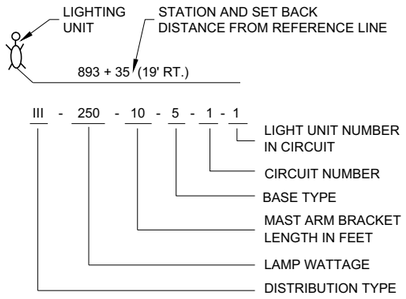
6
SDD 09E01 - 15g

GENERAL NOTES

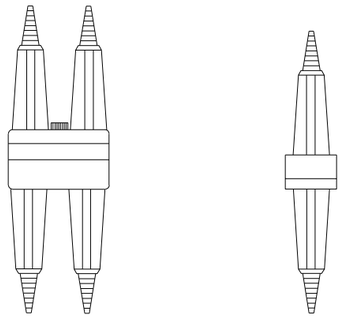
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

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.

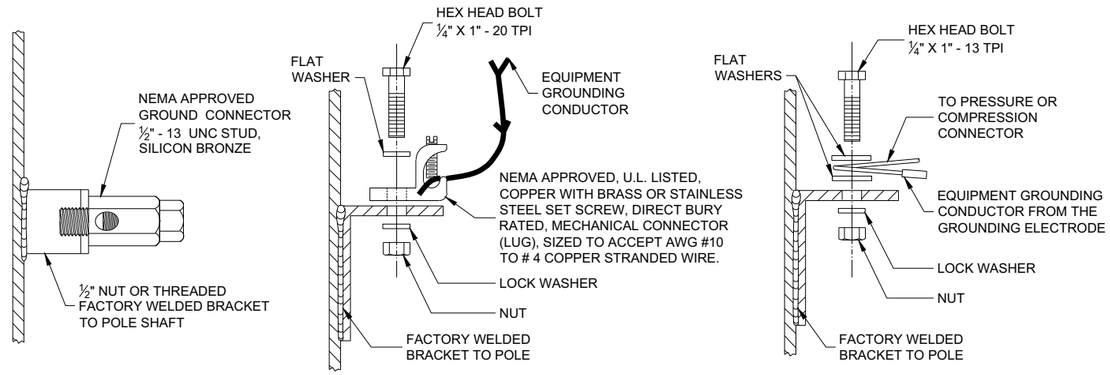


LIGHTING UNIT CODE
(TYPICAL)

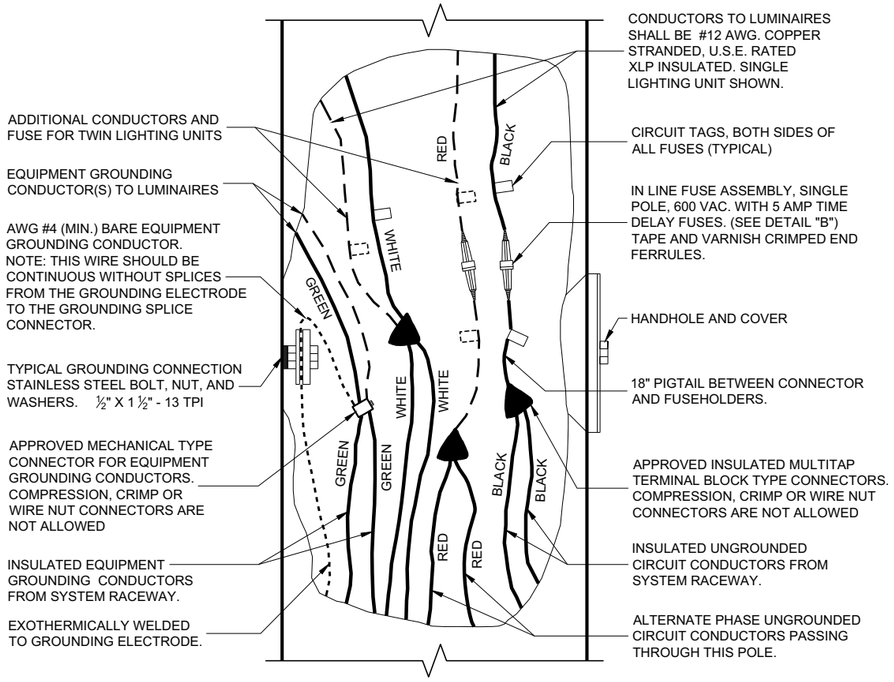


DETAIL "A"
BREAKAWAY DOUBLE POLE WITH WATERPROOF INSULATING BOOT

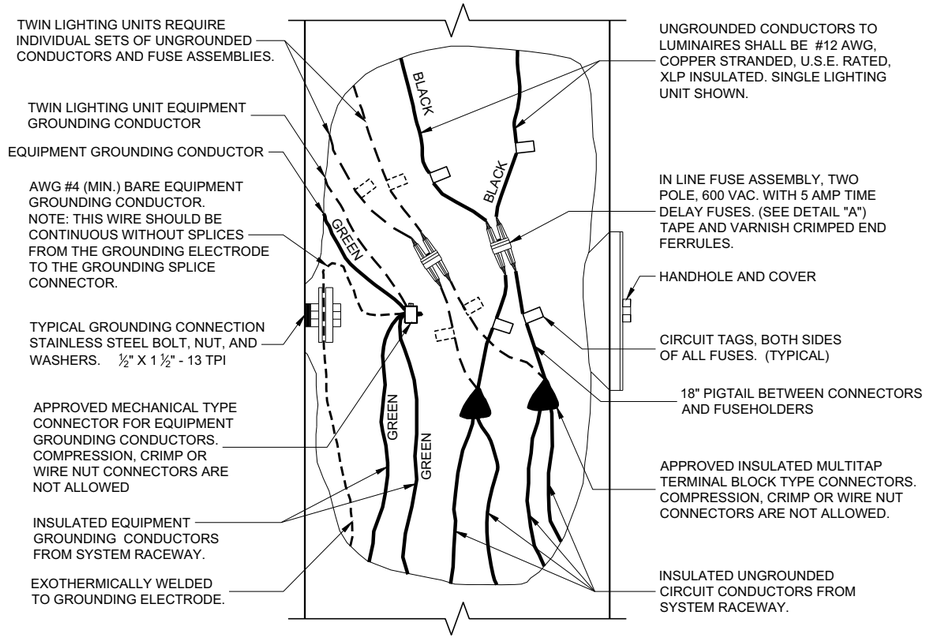
DETAIL "B"
BREAKAWAY SINGLE POLE WITH WATERPROOF INSULATING BOOT



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

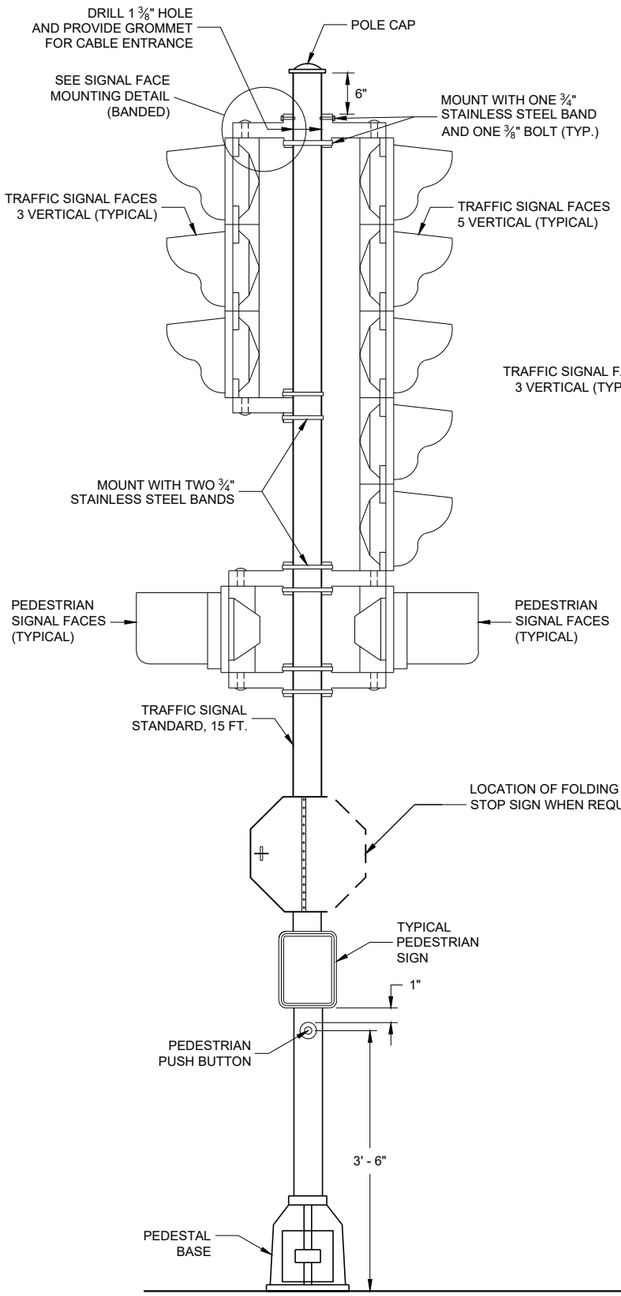
NON - FREEWAY LIGHTING UNIT POLE WIRING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

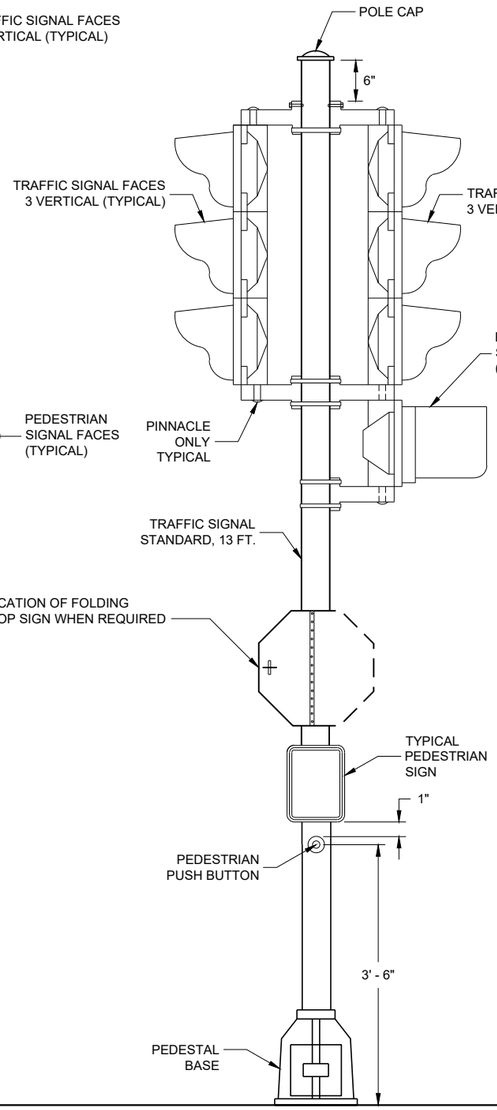
APPROVED
November 2018
DATE
/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI

FHWA

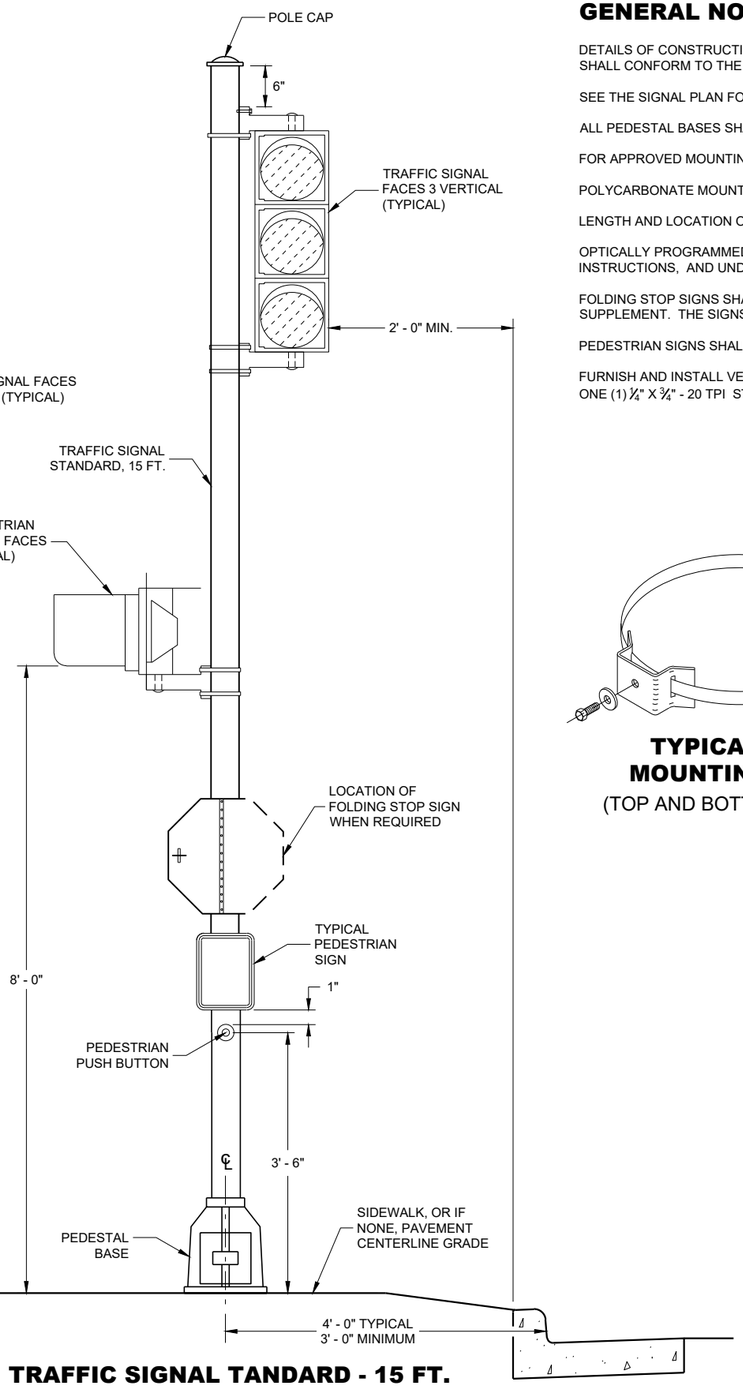
6
SDD 09E03 - 06



TRAFFIC SIGNAL STANDARD - 15 FT.



TRAFFIC SIGNAL STANDARD - 13 FT.



TRAFFIC SIGNAL TANDARD - 15 FT.
3M MOUNTING (TYPICAL)

GENERAL NOTES

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

SEE THE SIGNAL PLAN FOR REQUIRED SIGNAL FACE SIZES.

ALL PEDESTAL BASES SHALL BE MOUNTED ON CONCRETE BASE - TYPE 1.

FOR APPROVED MOUNTING HARDWARE, SEE THE CONTRACT SPECIAL PROVISIONS.

POLYCARBONATE MOUNTING BRACKETS SHALL BE USED.

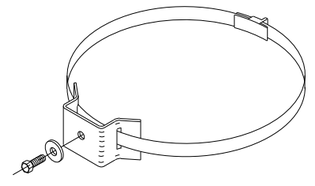
LENGTH AND LOCATION OF TRAFFIC SIGNAL STANDARDS SHALL BE AS SHOWN ON THE PLANS.

OPTICALLY PROGRAMMED SIGNAL FACES SHALL BE MASKED IN ACCORDANCE WITH MANUFACTURERS INSTRUCTIONS, AND UNDER THE DIRECTIONS OF THE REGION TRAFFIC ENGINEER.

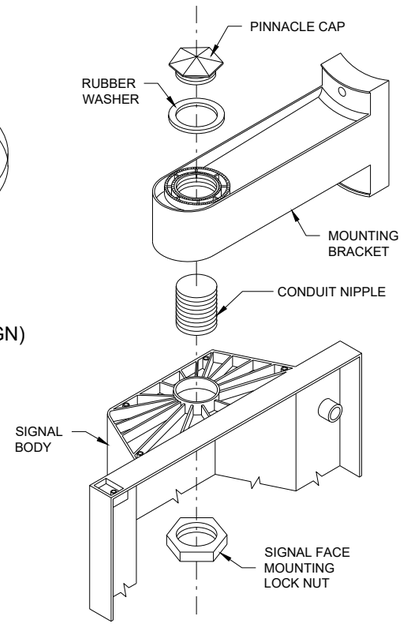
FOLDING STOP SIGNS SHALL BE IN ACCORDANCE WITH THE MUTCD AND/OR THE LATEST WISCONSIN SUPPLEMENT. THE SIGNS SHALL BE SIZED AND LOCATED AS CALLED FOR IN IN THE PLANS.

PEDESTRIAN SIGNS SHALL BE AS DESIGNATED IN THE PLANS.

FURNISH AND INSTALL VENTILATED, CAST, METALLIC (ALUMINUM ALLOY) CAPS. FASTEN CAPS WITH ONE (1) 1/4" X 3/4" - 20 TPI STAINLESS STEEL, HEX HEAD BOLT.



TYPICAL SIGN MOUNTING BAND
(TOP AND BOTTOM OF SIGN)



SIGNAL FACE MOUNTING DETAIL (BANDED)

TRAFFIC SIGNAL STANDARD POLY BRACKET MOUNTINGS (TYPICAL) 13 FT. OR 15 FT.

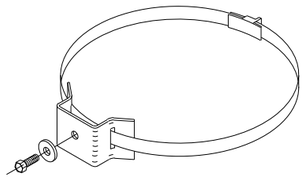
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
2/28/2013
DATE

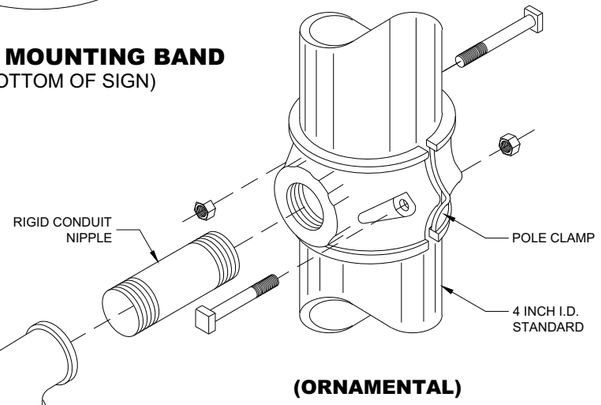
/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI 236

FHWA

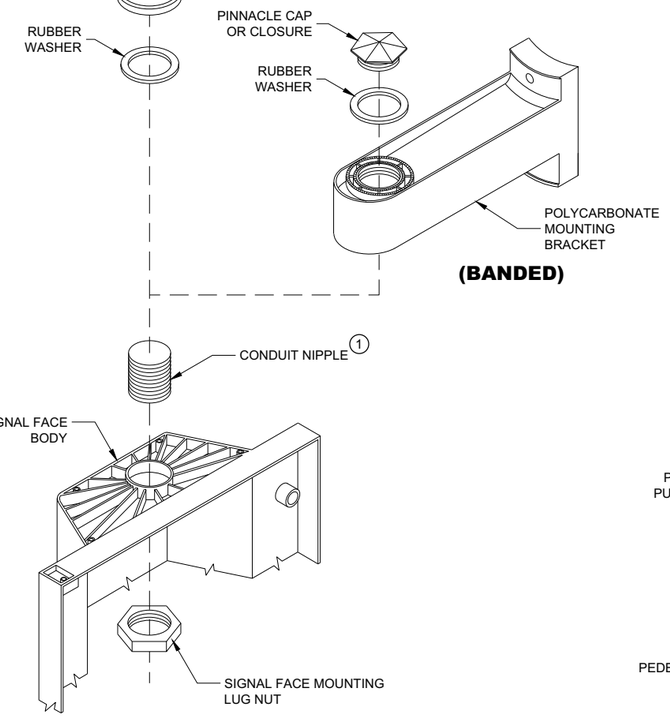
6
SDD 09E06 - 05



TYPICAL SIGN MOUNTING BAND
(TOP AND BOTTOM OF SIGN)

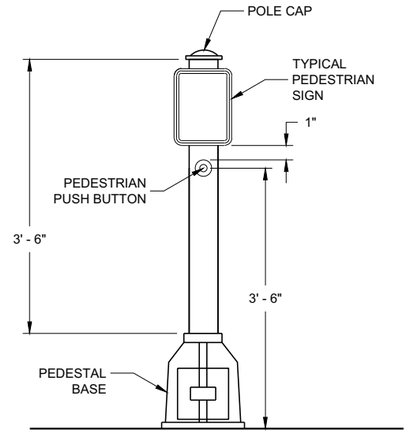


(ORNAMENTAL)



(BANDED)

SIGNAL FACE MOUNTING DETAILS



PEDESTRIAN PUSH BUTTON TYPICAL MOUNTING

GENERAL NOTES

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

SEE THE SIGNAL PLAN FOR REQUIRED SIGNAL FACE SIZES.

LOCATIONS SHALL BE AS SHOWN ON THE PLANS, UNLESS APPROVED BY THE ENGINEER IN THE FIELD.

ALL PEDESTAL BASES SHALL BE MOUNTED ON CONCRETE BASE - TYPE 1.

FOR APPROVED MOUNTING HARDWARE, SEE THE CONTRACT SPECIFICATIONS.

POLYCARBONATE SIGNAL FACE MOUNTING BRACKETS SHALL BE USED UNLESS ORNAMENTAL POLE CLAMPS ARE SPECIFIED.

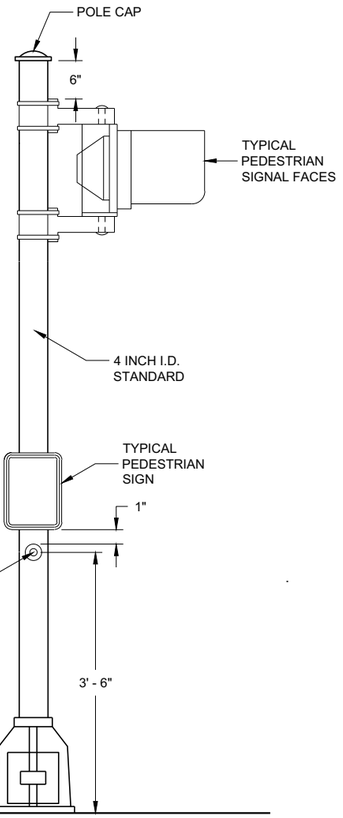
LENGTH OF TRAFFIC STANDARDS SHALL BE AS SHOWN ON THE PLANS.

MOUNTINGS AND BRACKETS SHALL BE AS SHOWN ON THE PLANS OR DESCRIBED IN THE SPECIAL PROVISIONS (BY THE REGION TRAFFIC ENGINEER).

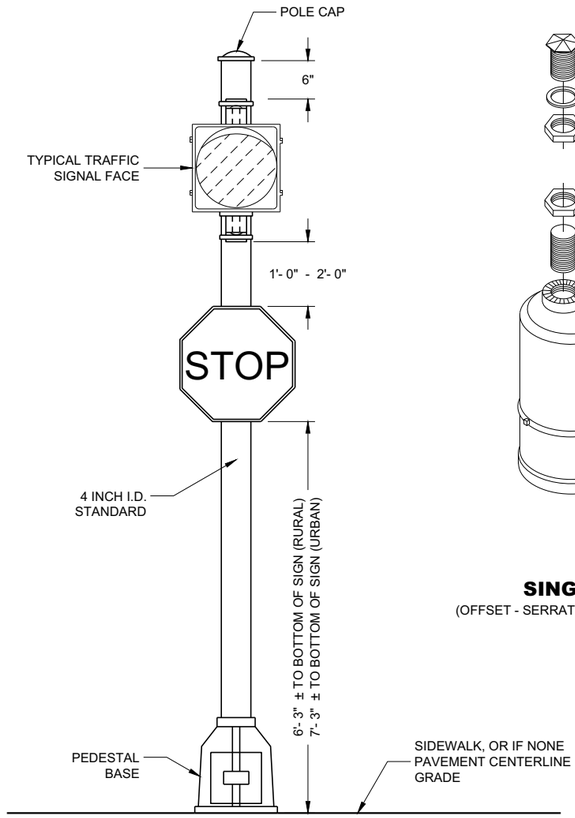
PEDESTRIAN SIGNS SHALL BE AS DESIGNATED IN THE PLANS.

FURNISH AND INSTALL VENTILATED, CAST, METALLIC (ALUMINUM ALLOY) CAPS. FASTEN CAPS WITH ONE (1) ¼" X ¾" - 20 TPI STAINLESS STEEL, HEX HEAD BOLT.

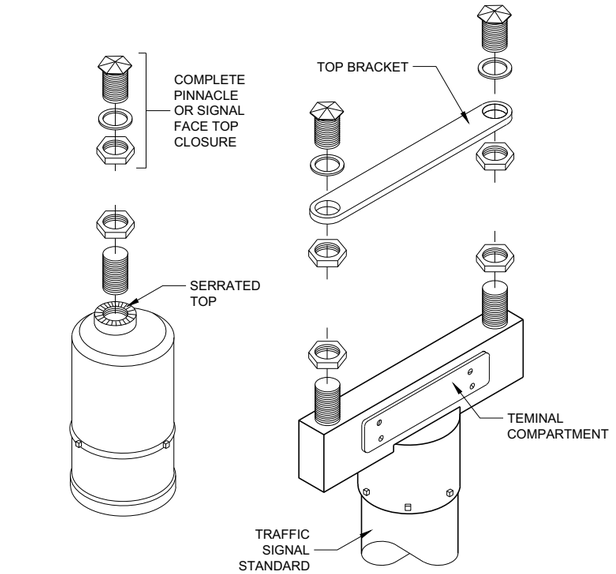
(1) USE 1 ½" ID NIPPLES ZINC-COATED RIGID METAL CONDUIT, LONG ENOUGH TO ACCOMMODATE FULL DEPTH THREADING INTO THE HEAD MOUNTING LOCK NUT IN ORDER TO TIGHTEN THE FACE, BUT THAT DO NOT INTERFERE WITH REFLECTOR CLOSURE. THREAD THE NIPPLE INTO THE MOUNTING BRACKET/ELBOW UNTIL TIGHT. USE APPROVED PINNACLE TYPE HARDWARE FROM A DEPARTMENT APPROVED MANUFACTURER TO CLOSE THE UNUSED 1 ½" OPENING IN SIGNAL FACESAND BRACKET ENDS.



PEDESTRIAN FACE STANDARD - 10 FT.
(WALK - DON'T WALK)



STANDARD FLASHER
10 FOOT, 13 FOOT OR 15 FOOT AS REQUIRED



SINGLE
(OFFSET - SERRATED MOUNTING)

DOUBLE
(SERRATED MOUNTING)

SLIPFITTERS

TRAFFIC SIGNAL STANDARD
PEDESTRIAN AND FLASHER
TYPICAL MOUNTING DETAILS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2018
DATE
/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI 237

FHWA

6

SDD 09E07 - 06

GENERAL NOTES

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

POLE TYPES 9 AND 10 ARE FOR ARM LENGTHS 15 FOOT TO 30 FOOT.

POLE TYPES 9 SPECIAL AND 10 SPECIAL ARE FOR ARM LENGTHS 35 FOOT, 40 FOOT, AND 45 FOOT.

POLE TYPES 12 AND 13 ARE FOR ARM LENGTHS 35 FOOT TO 55 FOOT.

MONOTUBE POLES AND ARMS SHALL BE GALVANIZED STEEL.

RING STIFFENED BUILT UP BOX TYPE OF ATTACHMENT FOR TRAFFIC SIGNAL ARM.

ONE PIECE POLE CONSTRUCTION (NO WELDED POLE SECTIONS).

STANDARD STRAIGHT ARM DESIGN (3% ± RISE).

SECTION 657, POLES OF THE STANDARD SPECIFICATION SHALL APPLY TO THIS DRAWING.

PROVIDE WIREWAY THRU POLE WALL AND ARM CONNECTION PLATES. PROVIDE ROUND, SMOOTH INSIDE SURFACE.

MANUFACTURER'S SUBMITTED POLE DESIGNS AND DRAWINGS SHALL BE SIGNED AND STAMPED BY A REGISTERED PROFESSIONAL ENGINEER AND CERTIFIED AS BEING IN COMPLIANCE WITH THE AASHTO "LRFD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNAL 2015 1ST EDITION (INCLUDING INTERIM REVISIONS)" AND ALL PERTINENT WISDOT SPECIFICATIONS AND DRAWINGS FOR THE LIGHTING STRUCTURES AS FOLLOWS:

CATEGORY III FATIGUE LOADS OF GALLOPING, TRUCK GUSTS (AT 45 MPH VEHICLE VELOCITY) AND NATURAL WIND GUSTS FOR DESIGN OF TYPE 9 AND TYPE 10 STRUCTURES.

CATEGORY II FATIGUE LOADS OF TRUCK GUSTS (AT 45 MPH VEHICLE VELOCITY) AND NATURAL WIND GUSTS FOR DESIGN OF TYPE 9 SPECIAL AND TYPE 10 SPECIAL STRUCTURES. IN LIEU OF DESIGNING FOR GALLOPING, A VIBRATION DAMPER MITIGATION DEVICE IS REQUIRED TO BE SUPPLIED AND INSTALLED AT THE END OF THE MAST ARM.

CATEGORY II FATIGUE FATIGUE LOADS OF GALLOPING, TRUCK GUSTS (AT 45 MPH VEHICLE VELOCITY) AND NATURAL WIND GUSTS FOR DESIGN OF TYPE12 AND TYPE 13 STRUCTURES.

115 MPH (700 YEAR MRI BASIC WIND SPEED).

SECURE THE OPENING BELOW THE BASE PLATE WITH STAINLESS STEEL OR GALVANIZED STEEL MESH AND SECURE THE MESH WITH ¾" STAINLESS STEEL BANDING AROUND THE LEVELING NUTS.

INDENT PRINT (NOMINAL ½" HIGH) THE POLE LENGTH AND FIRST TWO LETTERS OF THE MANUFACTURERS NAME ON TWO SIDES OF THE BASE PLATE 180 DEGREES APART, BEFORE GALVANIZING. THE ARM SHALL BE IDENTIFIED WITH THE SAME INFORMATION BY INDENT PRINT.

SIGNAL FACE SHALL BE MOUNTED 6 INCHES (NOMINAL) FROM THE END OF THE MONOTUBE ARM OR AS SHOWN ON THE PLAN CONSTRUCTION DETAIL OR A S DIRECTED BY THE PROJECT ENGINEER/ELECTRICAL OPERATIONS PERSONNEL. MOUNT ALL LIKE HEAD AT SAME ELEVATION.

SIGN MOUNTING BRACKETS SHALL BE FURNISHED IN ACCORDANCE WITH SECTION 637 OF THE STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION.

(1) DESIGN FOR MAXIMUM ALLOWABLE HAND HOLE WITH COVER ASSEMBLY WITH TWO ¼" X ¾" - 20 TPI STAINLESS STEEL HEX HEAD BOLTS.

(2) SIGNAL MOUNTING BRACKETS FOR POLE MOUNTING, MOUNT WITH CAP SCREW AND BANDING (SEE SPECIFICATION SECTION 658).

(3) SECURELY MOUNT BACK PLATES, PROJECTING 5" BEYOND ALL SIDES OF THE SIGNAL FACE HOUSING, PER MANUFACTURERS RECOMMENDATIONS.

(4) THE TOP OF THE POLE SHAFT AND THE MONOTUBE ARM SHALL BE EQUIPPED WITH A REMOVABLE, VENTILATED CAP HELD SECURELY IN PLACE WITH SET SCREWS.

(5) FACTORY WELDED BRACKET FOR GROUNDING LUG, OPPOSITE HAND HOLD, (LUG AND HARDWARE PAID UNDER SEPARATE ITEM). PROVIDE HOLE IN BRACKET FOR ¼" X ¾" - 20 TPI STAINLESS STEEL HEX HEAD BOLT.

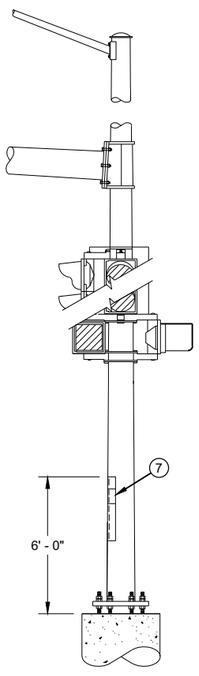
(6) FACTORY WELDED "J" HOOK FOR STRAIN RELIEF FOR POLE LUMINAIRE WIRE.

(7) INSTALL STRUCTURAL IDENTIFICATION PLAQUES.

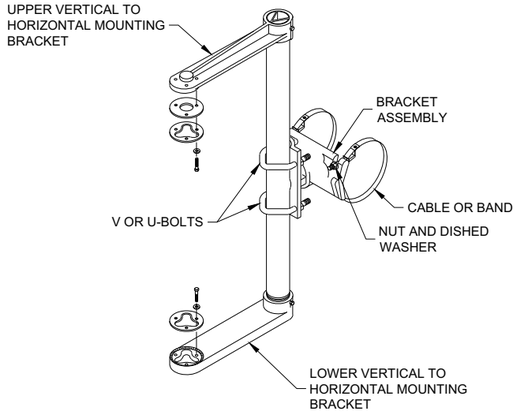
STRUCTURAL IDENTIFICATION PLAQUES SHALL BE PLACED ON THE POLES IN THE SAME DIRECTION AS THE ARM.

MOUNTING HEIGHT SHALL BE 6' - 0" ABOVE THE CURB OR SHOULDER. ADJUST IF IT IS KNOWN THAT REQUIRED TRAFFIC SIGNS WILL BE OBSTRUCTED.

(8) FACTORY DRILLED ½" DRAIN HOLE 2" FROM FLANGE CONNECTION PLATE.

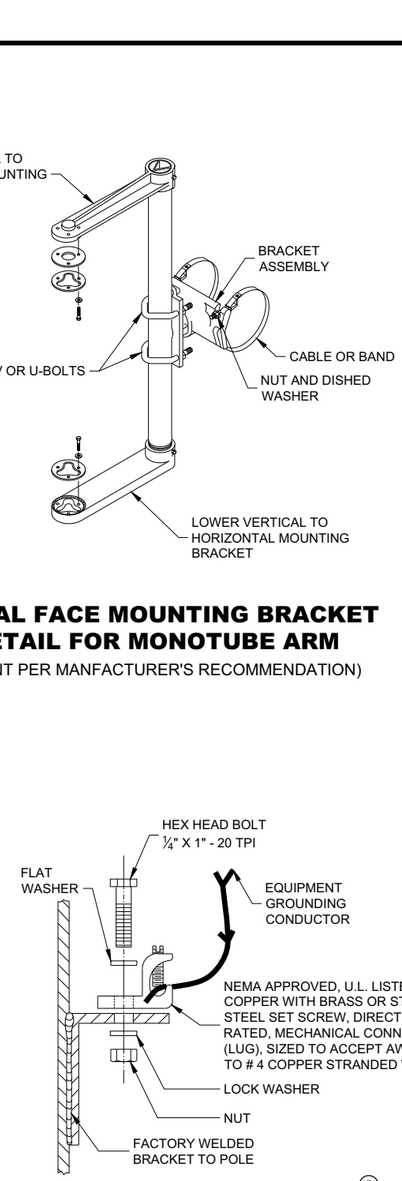


STRUCTURAL IDENTIFICATION PLAQUE PLACEMENT



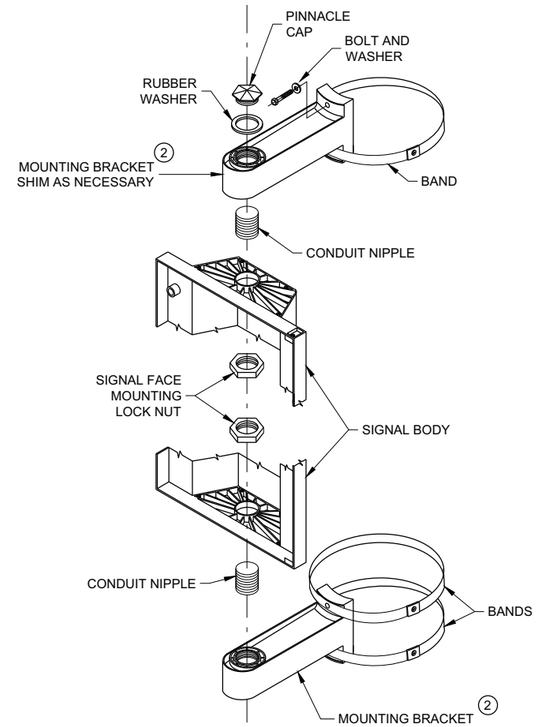
SIGNAL FACE MOUNTING BRACKET DETAIL FOR MONOTUBE ARM

(MOUNT PER MANFACTURER'S RECOMMENDATION)

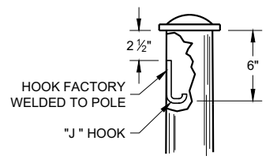


TYPICAL GROUNDING (5) CONNECTIONS

NUT, BOLT AND WASHERS SHALL BE STAINLESS STEEL



SIGNAL FACE VERTICAL MOUNTING DETAIL



TYPICAL "J" HOOK (6) WIRE SUPPORT

GENERAL NOTES AND HARDWARE FOR TYPES 9,10, 9/10 SPECIAL, 12 AND 13 POLES WITH MONOTUBE ARMS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

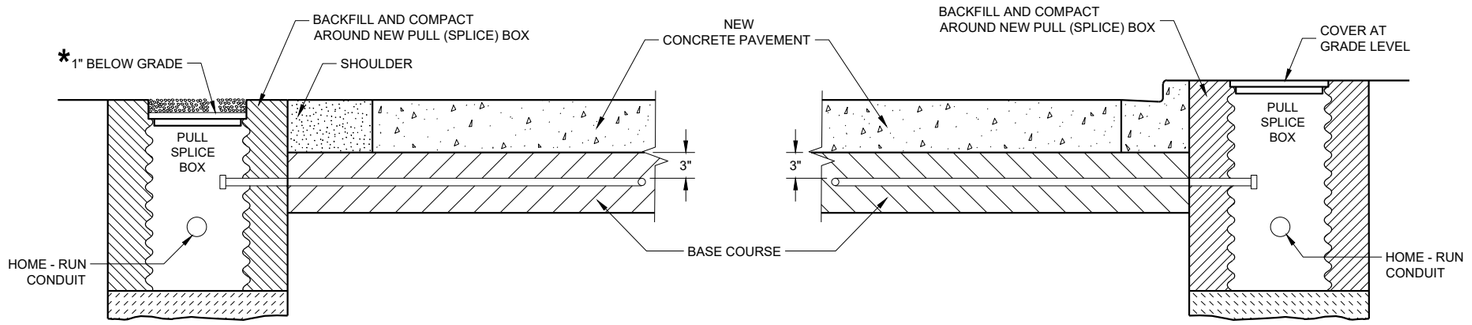
APPROVED
August 2020
DATE

/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGINEER

FHWA

6

SDD 09E08 - 09k



SECTION A - A
NO CURB AND GUTTER

SECTION B - B
CURB AND GUTTER

*RECESS PULL (SPLICE) BOX SO THAT THE COVER IS 3" BELOW GRADE IN SHOULDER AREAS OF CRUSHED AGGREGATE. BACKFILL OVER COVER WITH THE CRUSHED AGGREGATE TO BRING THE AREA TO GRADE LEVEL.

LOOP DETECTOR INSTALLATION DETAIL

GENERAL NOTES

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

PITCH LEAD OUT CONDUIT TO DRAIN TO ROADSIDE PULL (SPLICE) BOX.

LOOP SIZE, LOCATION, NUMBER OF TURNS OF WIRE AND ASSOCIATED SIGNAL PHASE SHALL BE AS SHOWN ON THE PLANS.

SPLICES SHALL BE INSTALLED BY USING CAST IN PLACE SPLICE KITS LISTED ON THE DEPARTMENTS APPROVED PRODUCTS LIST OR AN ENGINEER APPROVED EQUAL. NON-INSULATED BUTT SPLICES TO FIT #12 AWG STRANDED WIRE SHALL BE USED. SPLICES SHALL BE SOLDERED AND INSULATED FROM EACH OTHER AS PER INSTRUCTIONS INCLUDED IN THE SPLICE KIT.

MEASURE GROUND RESISTANCE USING A MEGGER. REPLACE LOOP WIRE NOT ATTAINING A READING OF INFINITY TO GROUND.

AFTER SPLICING THE LOOP WIRE TO THE LOOP LEAD-IN CABLE, THE CONTRACTOR SHALL MEASURE INDUCTANCE, GROUND RESISTANCE AND WIRE RESISTANCE AT THE CABINET END OF THE LEAD-IN CABLE AND FURNISH A COPY OF THE READING TO THE PROJECT ENGINEER FOR EVALUATION.

LOOP DETECTOR LEADS SHALL BE IDENTIFIED WITH THEIR ASSOCIATED LOOP BY USE OF WATERPROOF TAGS AT BOTH ENDS OF THE CABLE. A LISTING OF THE CABLE IDENTIFICATION PER INDIVIDUAL LOOP LEAD-IN SHALL BE PLACED IN THE CABINET.

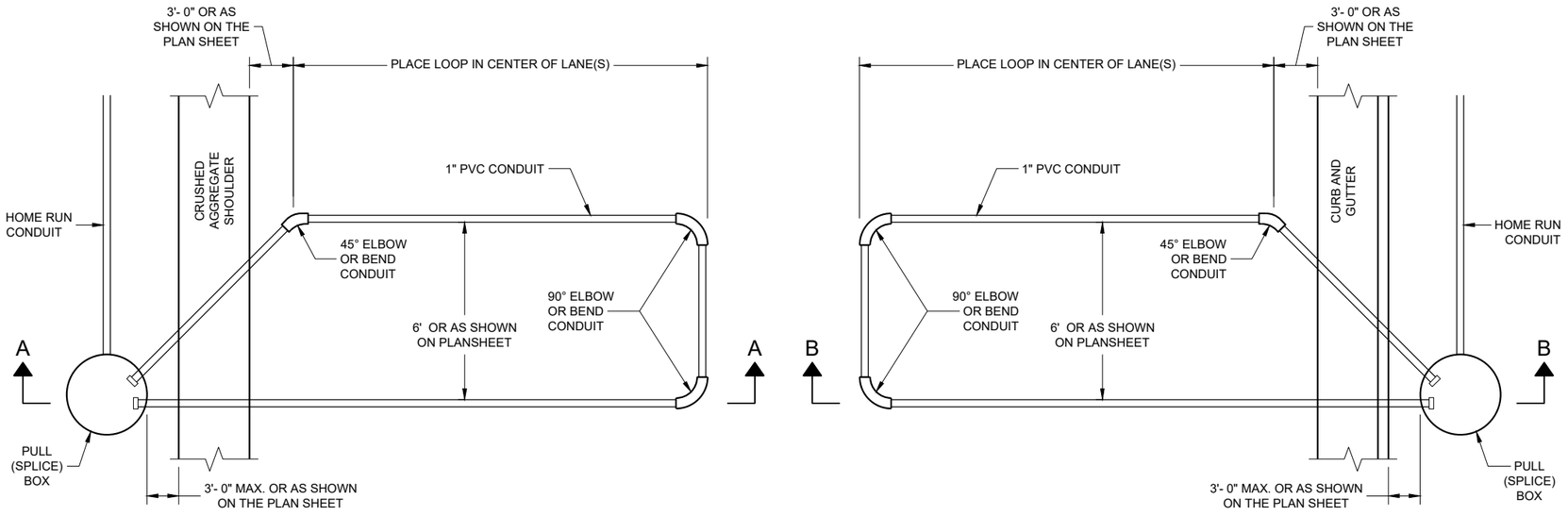
THE #12 AWG LOOP WIRE IN THE ROADSIDE PULL (SPLICE) BOX SHALL BE HAND TWISTED AT LEAST 3 TWISTS PER FOOT BEFORE BEING SPLICED TO THE LOOP LEAD-IN CABLE.

SPLICES OF LOOP WIRE TO LEAD-IN CABLE SHALL BE MADE ONLY IN PULL (SPLICE) BOXES AT THE SIDE OF THE ROAD.

THE #12 AWG LOOP WIRE SHALL BE INSTALLED FROM THE ROADSIDE PULL (SPLICE) BOX, THROUGH THE LOOP CONDUIT, BACK TO THE ROADSIDE PULL (SPLICE) BOX, AND BE INSTALLED IN ONE NON-SPLICED, CONTINUOUS LENGTH.

PROTECTION OF THE CONDUIT IN THE BASE COURSE SHALL BE REQUIRED AFTER INSTALLATION AND BEFORE NEW PAVEMENT IS INSTALLED.

SHOULD INSTALLATION REPAIR BE REQUIRED, IT SHALL BE DONE UNDER THE DIRECTION OF THE PROJECT ENGINEER.



TYPICAL PLAN LOOP DETECTOR WITH 18" OR 24" PULL (SPLICE) BOX

LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 1)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
September 2014
DATE
/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI

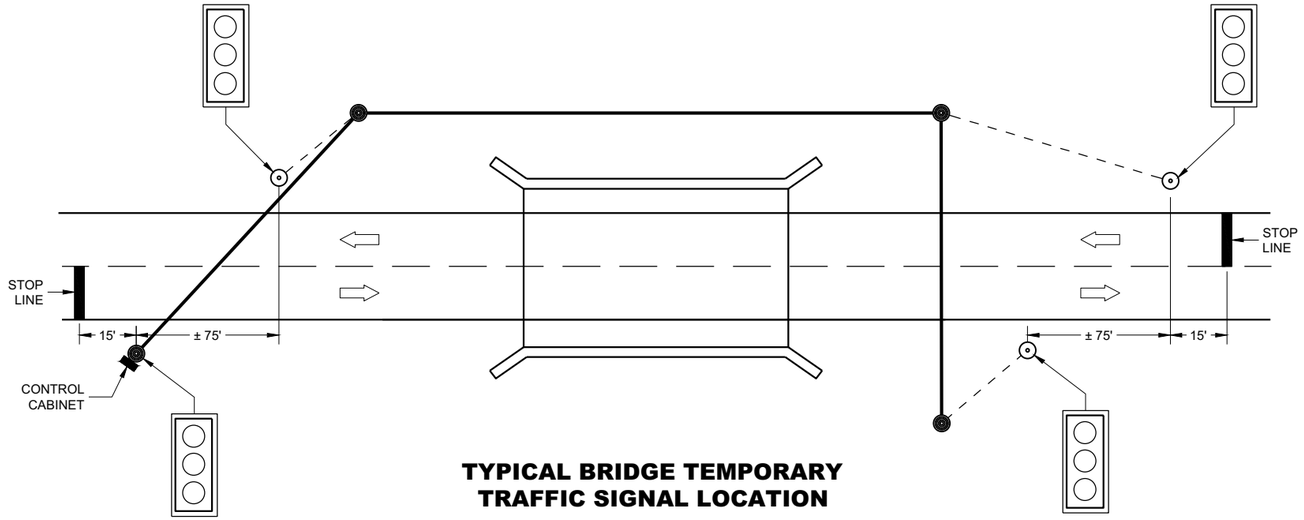
FHWA

6

SDD 09F15 - 04a

6

SDD 09F15 - 04a



TYPICAL BRIDGE TEMPORARY TRAFFIC SIGNAL LOCATION

LEGEND

- WOOD POLE (NON-BREAKAWAY)
- WOOD POST (BREADAWAY)
- SIGNAL CABLE
- SIGNAL CABLE W/MESSENGER
- DIRECTION OF TRAFFIC
- LED TRAFFIC SIGNAL WITH BACKPLATE (3-12")

GENERAL NOTES

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

POLE MOUNTED TRAFFIC SIGNAL CONTROL CABINET MAY BE MOUNTED ON THE SERVICE POLE IF THE ELECTRICAL UTILITY ALLOWS THE INSTALLATION.

WHEN UTILITY POLES ARE USED TO SPAN THE TEMPORARY OVERHEAD CABLE, WRITTEN PERMISSION MUST BE OBTAINED FROM THE OWNER OF THE POLES AND GIVEN TO THE PROJECT MANAGER. ALL PERTINENT UTILITY AND CODE CLEARANCES SHALL BE MAINTAINED.

WOOD POLES (NON-BREAKAWAY) SHALL BE NO CLOSER TO EDGE OF PAVEMENT THAN OFFSET DISTANCE CHART ALLOWS OR 4 FEET BEHIND PROTECTIVE BARRIER (BEAM GUARD, ETC.).

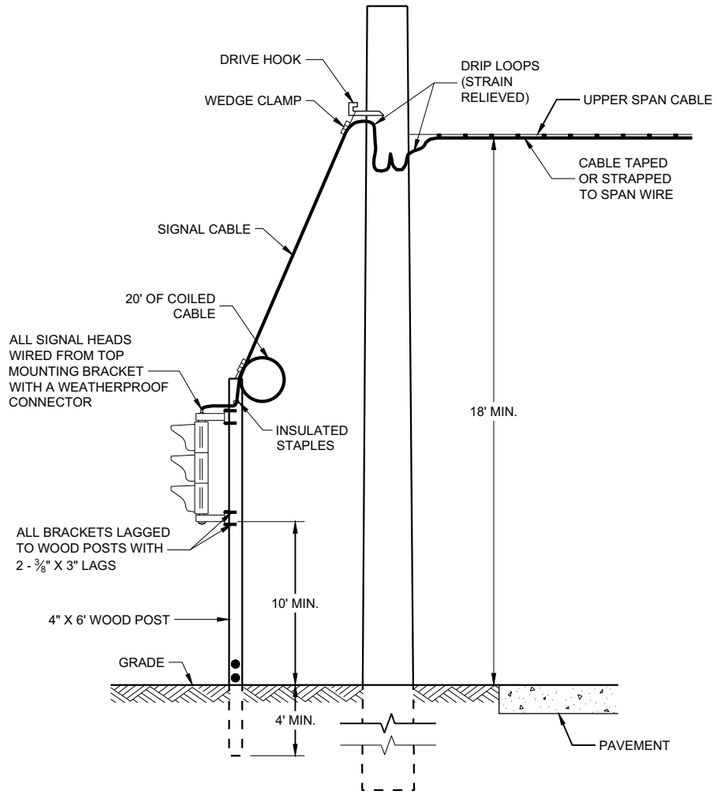
WOOD POSTS (BREAKAWAY) SHALL BE NO CLOSER THAN 2 FEET OUTSIDE OF SHOULDER.

VERTICAL CLEARANCE ETC. PER NEC.

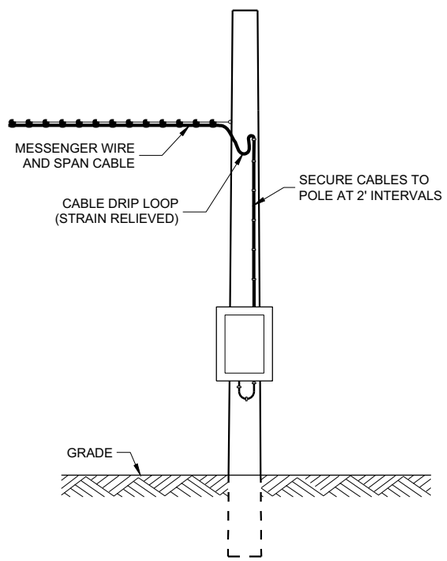
TRAFFIC SIGNAL FACES SHALL BE TYPICALLY PLACED 12 FEET FROM EDGE OF PAVEMENT.

EACH TRAFFIC SIGNAL SHALL HAVE A BACKPLATE.

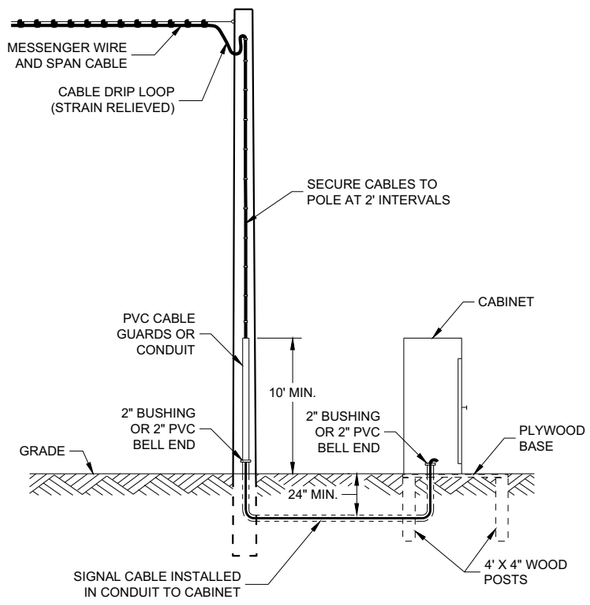
SIGNING, PAVEMENT MARKING AND LANE CONTROL REQUIREMENTS SHALL CONFORM TO STANDARD DETAIL DRAWING 15D33.



TYPICAL DROP TO TRAFFIC SIGNAL FACE



POLE MOUNT CABINET INSTALLATION



GROUND MOUNT CABINET INSTALLATION

MINIMUM POLE LENGTHS	CLASS	POLE BURIAL DEPTHS
25'	V	5'
30'	V	6'
35'	IV	7'
40'	IV	8'
45'	IV	9'

OFFSET DISTANCES FOR TEMPORARY NON-BREAKAWAY POLES	
SPEED LIMIT	OFFSET DISTANCE*
GREATER THAN 45 MPH	18 FT
45 MPH OR LESS	12 FT
45 MPH OR LESS W/CURBS	2 FT

* NOTE: OFFSET MEASURED FROM OUTER EDGE OF OUTSIDE THRU LANE.

BRIDGE TEMPORARY TRAFFIC SIGNAL INSTALLATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
March 2018 — DATE
/S/ Ahmet Demirbilek — ROADWAY STANDARDS DEVE ENGINEER

FHWA

6

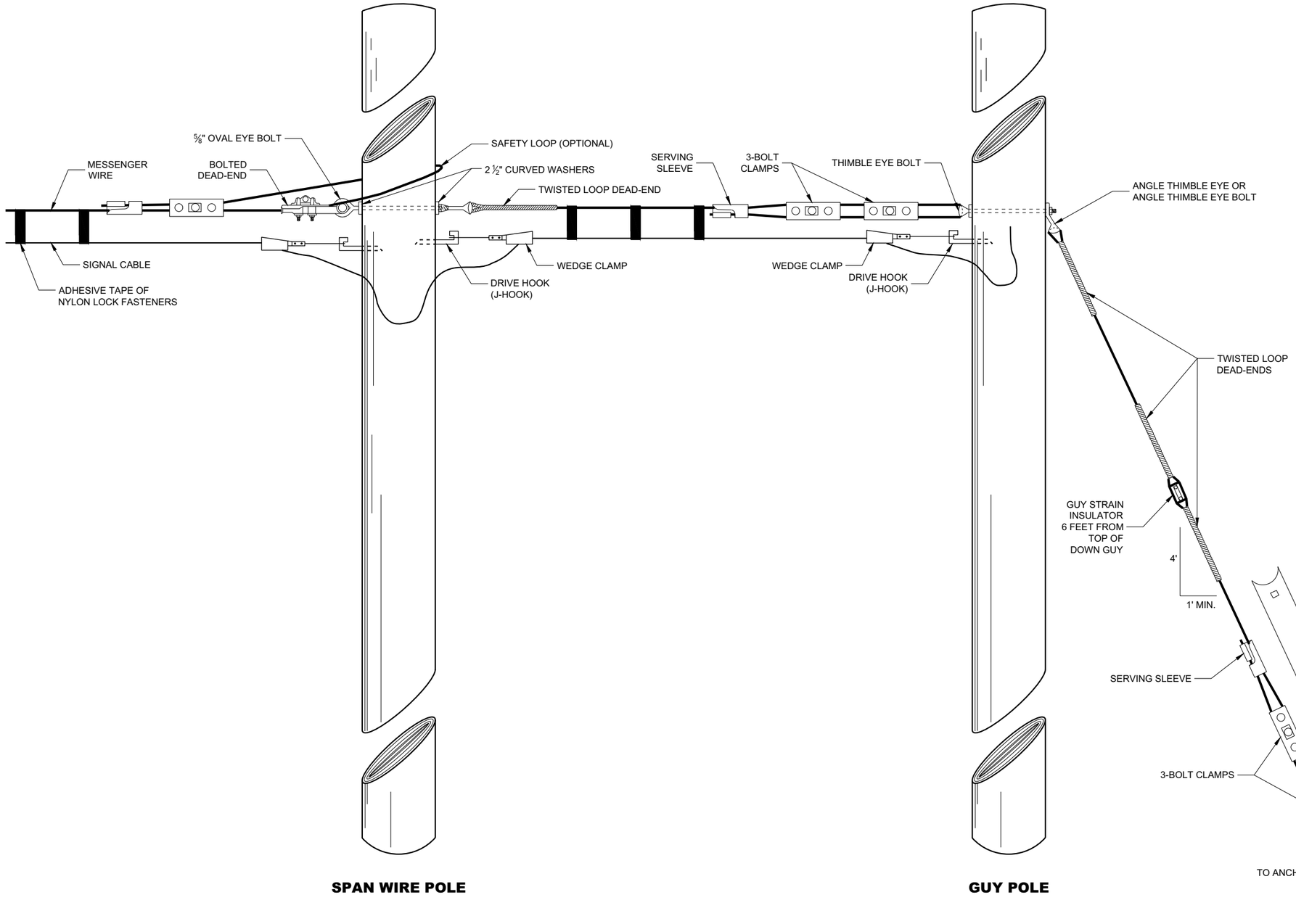
SDD09G02 - 05a

6

SDD09G02 - 05a

GENERAL NOTES

USE ¾" DRILL IN WOOD POLE TO PROVIDE FOR ⅝" BOLTS.



SPAN WIRE POLE

GUY POLE

TYPICAL DEAD-ENDINGS OR GUYING

BRIDGE TEMPORARY TRAFFIC SIGNAL INSTALLATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June 2015 — DATE
/S/ Ahmet Demerbilek — ROADWAY STANDARDS DEVE ENGINEER

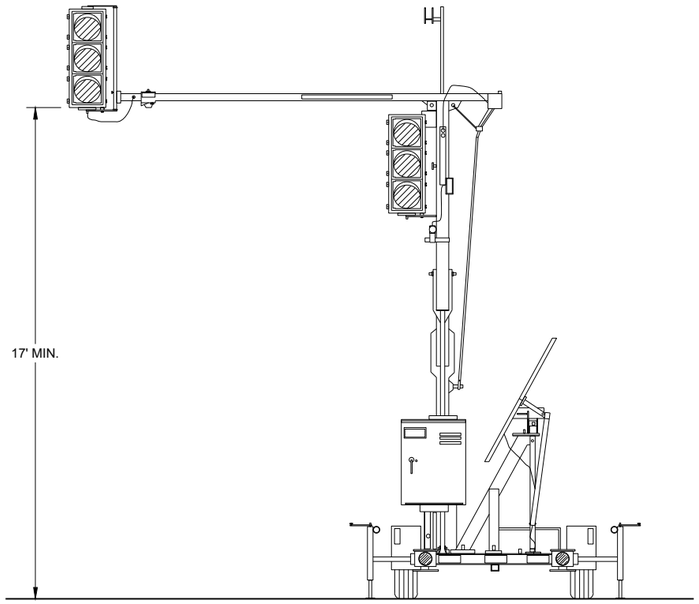
FHWA

6

SDD09G02 - 05b

6

SDD09G02 - 05b

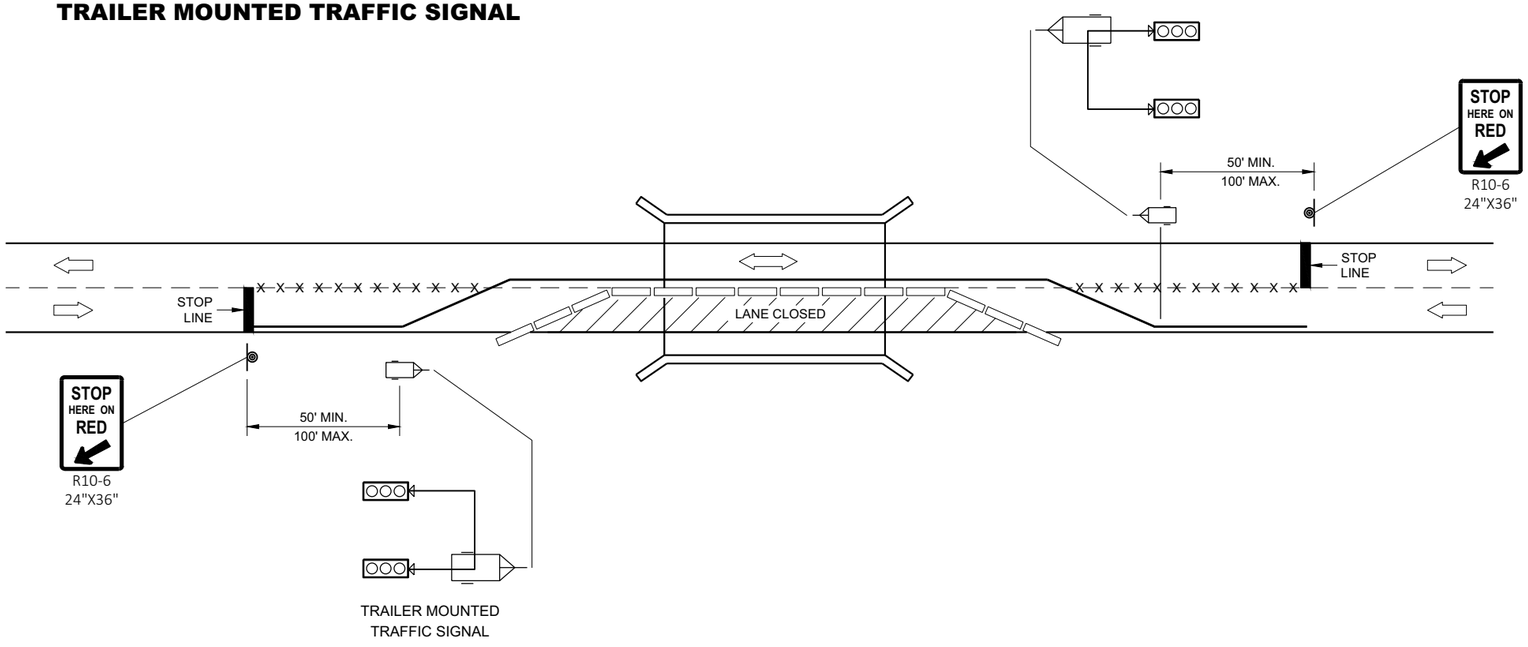


TRAILER MOUNTED TRAFFIC SIGNAL

GENERAL NOTES

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

SIGNING, PAVEMENT MARKING AND LANE CONTROL REQUIREMENTS SHALL CONFORM TO STANDARD DETAIL DRAWING 15D33.



TYPICAL TRAILER MOUNTED TRAFFIC SIGNAL LOCATION

LEGEND

- POST MOUNTED SIGN
- TEMPORARY PRECAST CONCRETE BARRIER
- TRAILER MOUNTED TRAFFIC SIGNAL
- REMOVE PAVEMENT MARKINGS
- DIRECTION OF TRAFFIC

BRIDGE TEMPORARY TRAFFIC SIGNAL INSTALLATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

June 2015
DATE

/S/ Ahmet Demerbilek
ROADWAY STANDARDS DEVE ENGINEER

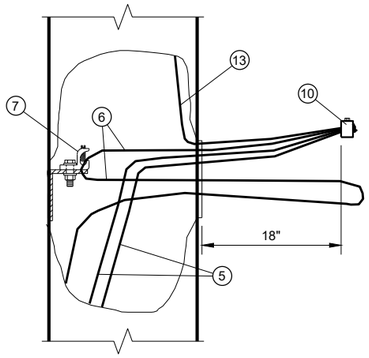
FHWA

6

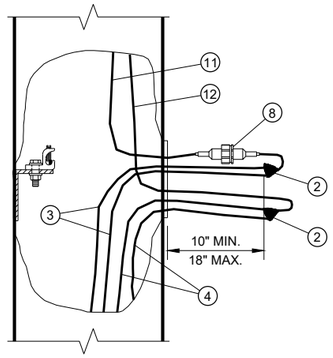
SDD09G02 - 05c

6

SDD09G02 - 05c

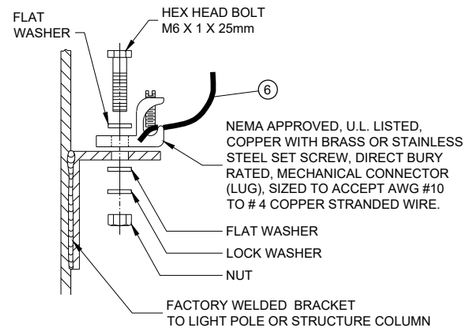


EQUIPMENT GROUNDING CONDUCTOR SLACK



UNGROUNDED CONDUCTOR SLACK (AND GROUNDED NEUTRAL SLACK IN GROUNDED NEUTRAL SYSTEM)

TYPICAL CONDUCTOR SLACK AT HANDHOLES



HANDHOLE GROUNDING LUG

NUT, BOLT AND WASHERS SHALL BE STAINLESS STEEL

GENERAL NOTES

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

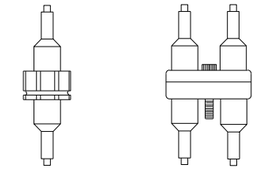
USE THIS DETAIL IN CONJUNCTION WITH THE ELECTRICAL DETAILS FOR THE APPLICATION, WHICH MAY BE A LIGHT POLE, SIGN BRIDGE, ETC.

THE GROUNDING ELECTRODE CONDUCTOR SHALL BE CONTINUOUS WITHOUT SPLICES FROM THE GROUNDING ELECTRODE THROUGH THE HANDHOLE GROUNDING LUG TO THE CONNECTOR.

THREE POLE WIRES ARE SHOWN FOR A SINGLE LUMINAIRE LIGHT POLE. THREE ADDITIONAL POLE WIRES REQUIRED FOR TWIN LUMINAIRE LIGHT POLES ARE OMITTED FROM THE DRAWING FOR CLARITY. IN THE TWIN POLE CASE, BUNDLE EACH SET OF THREE WIRES WITH A NYLON CABLE TIE.

IN 3-PHASE SYSTEMS, THERE WILL BE ONE MORE UNGROUNDED LINE WIRE, WHICH IS OMITTED FROM THE DRAWING FOR CLARITY.

CIRCUIT TAGS SHALL BE INSTALLED ONLY WHERE REQUIRED IN THE SPECIAL PROVISIONS.



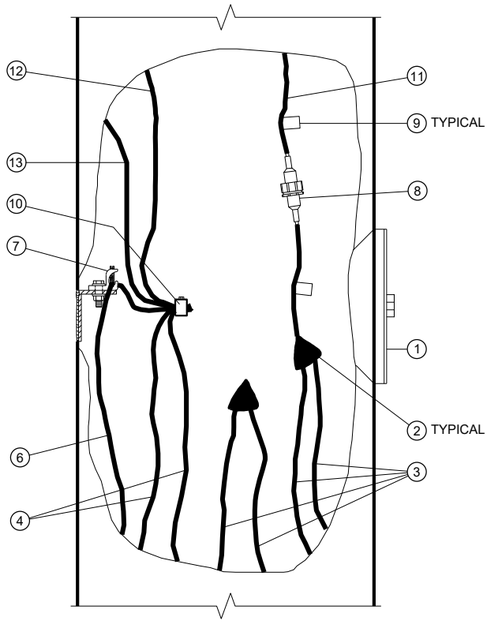
1 POLE (1P) 2 POLE (2P)

FUSE ASSEMBLIES

CONDUCTOR COLOR CODES

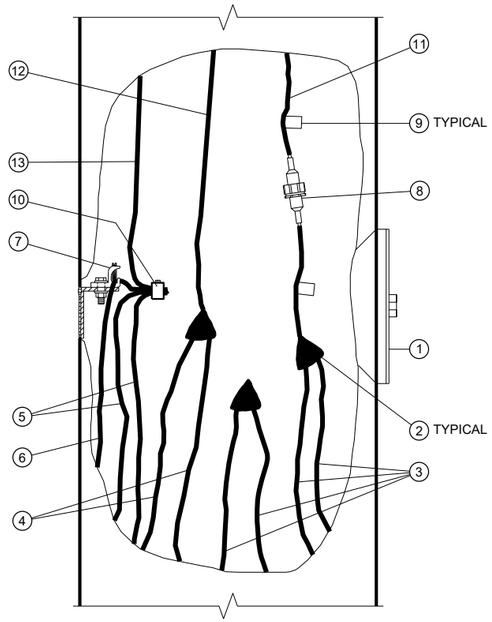
KEY	CONDUCTOR	COLOR
3	UNGROUNDED LINE WIRE	*
4	GROUNDED LINE WIRE	WHITE
5	SYSTEM GROUNDING LINE WIRE	GREEN
6	GROUNDING ELECTRODE CONDUCTOR	BARE
11	UNGROUNDED POLE WIRE	*
12	GROUNDED POLE WIRE	WHITE
13	EQUIPMENT GROUNDING POLE WIRE	GREEN

* FOLLOW COLOR CODING SHOWN IN THE PLANS. WHERE THE PLANS DO NOT SHOW COLOR CODING, USE BLACK FOR SINGLE LUMINAIRE POLES; BLACK AND RED FOR TWIN LUMINAIRE POLES.



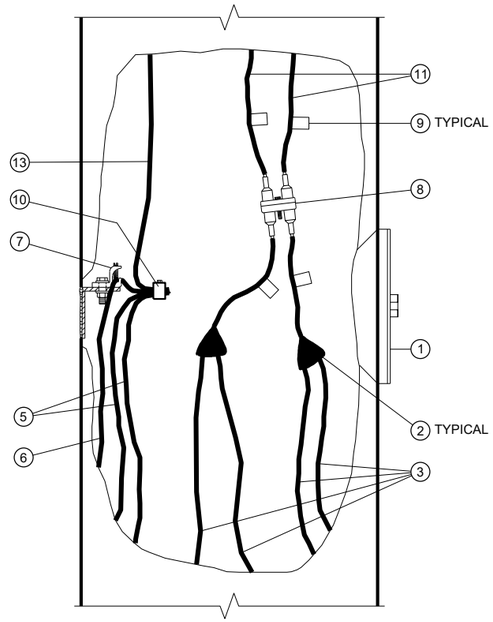
CUTAWAY HANDHOLE DETAIL

GROUNDED NEUTRAL SYSTEMS
1-ϕ



CUTAWAY HANDHOLE DETAIL

ISOLATED NEUTRAL SYSTEMS
1-ϕ SHOWN; 3-ϕ WYE SIMILAR
(SEE GENERAL NOTE)



CUTAWAY HANDHOLE DETAIL

PHASE TO PHASE SYSTEMS
1-ϕ SHOWN; 3-ϕ DELTA SIMILAR
(SEE GENERAL NOTE)

NOTE: REQUIRED CONDUCTOR SLACK NOT SHOWN ON "CUTAWAY HAND HOLE" DETAILS FOR DRAWING CLARITY, SEE "TYPICAL CONDUCTOR SLACK AT HANDHOLES" ON THIS SHEET.

1. HANDHOLE AND COVER
2. INSULATED SPLICE
3. UNGROUNDED LINE WIRE
4. GROUNDED LINE WIRE
5. SYSTEM GROUNDING LINE WIRE
6. GROUNDING ELECTRODE CONDUCTOR
7. HANDHOLE GROUNDING LUG
8. FUSE ASSEMBLY, 1P OR 2P AS REQUIRED
9. CIRCUIT TAG (SEE GENERAL NOTE)
10. REVERSIBLE PRESSURE OR COMPRESSION GROUNDING CONNECTOR (NOT INSULATED)
11. UNGROUNDED POLE WIRE
12. GROUNDED POLE WIRE
13. EQUIPMENT GROUNDING POLE WIRE

ELECTRICAL HANDHOLE WIRING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

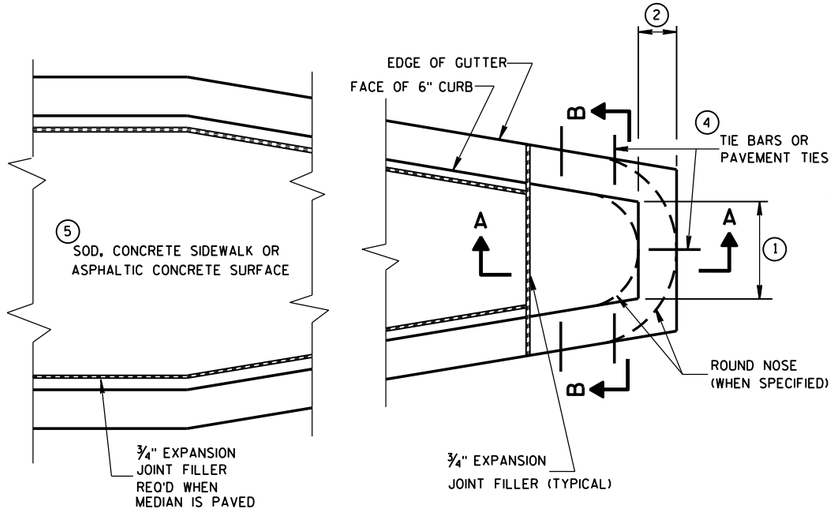
APPROVED
May 2022
DATE

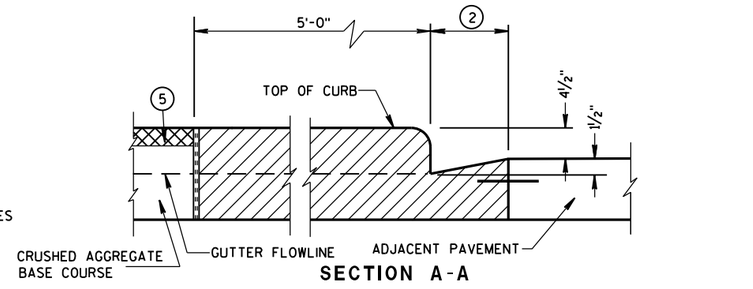
/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI 243

FHWA

6

SDD 10A01 - 04





CONCRETE MEDIAN BLUNT NOSE DETAIL

GENERAL NOTES

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

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

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

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

(1) NEW OR EXISTING CONCRETE PAVEMENT.

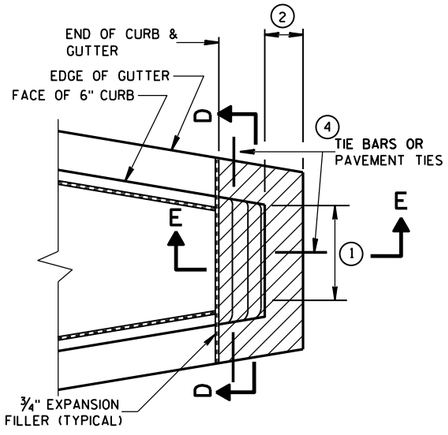
(2) ASPHALTIC CONCRETE PAVEMENT OVER NEW OR EXISTING CONCRETE BASE COURSE.

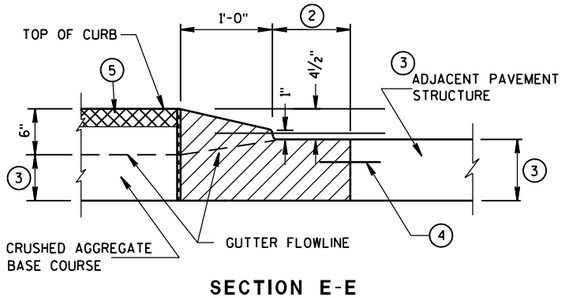
(3) ASPHALTIC CONCRETE PAVEMENT OVER CRUSHED AGGREGATE BASE COURSE.

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

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

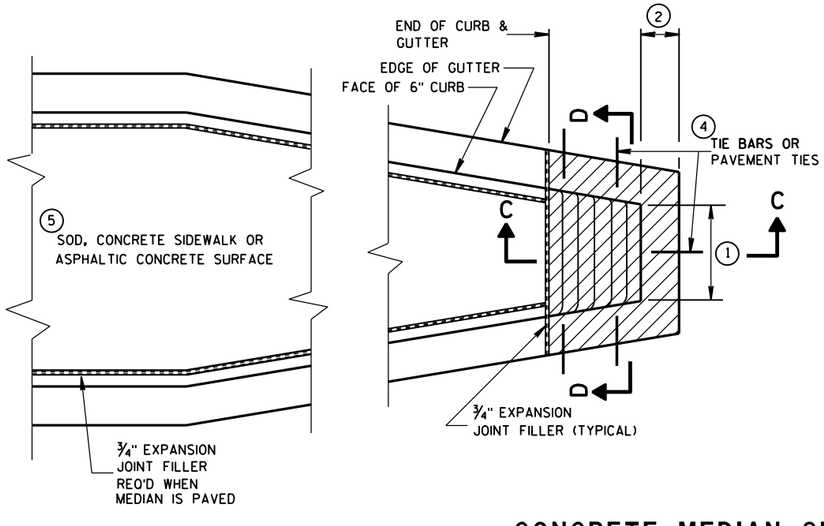
(5) SURFACE TYPE AND DETAILS ARE SHOWN ELSEWHERE IN THE PLAN.

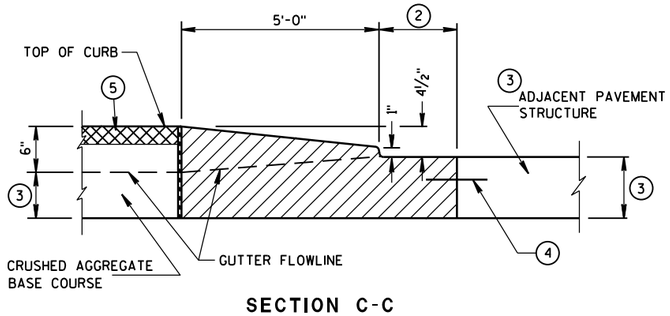




SECTION E-E

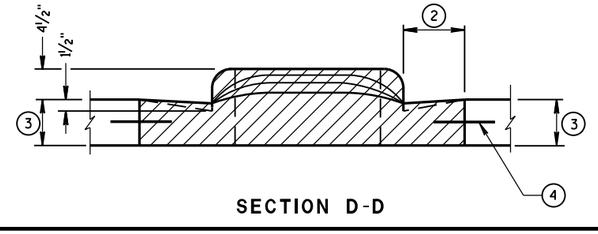
CONCRETE MEDIAN SLOPED NOSE TYPE 2





SECTION C-C

CONCRETE MEDIAN SLOPED NOSE TYPE 1



SECTION D-D

CONCRETE MEDIAN NOSE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

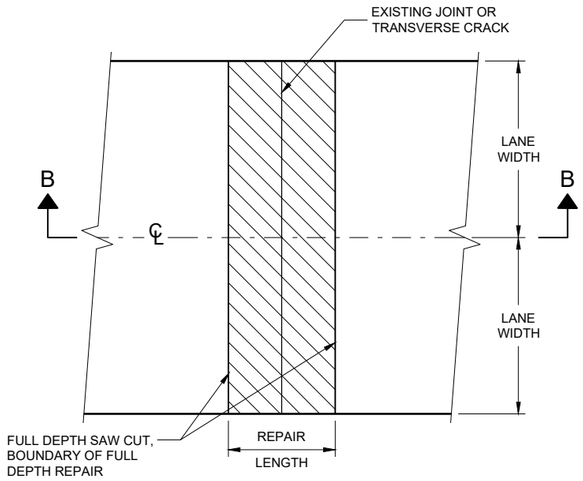
APPROVED
6/8/2006
DATE
/S/ Jerry H. Zogg
ROADWAY STANDARDS D ENGINEER
FHWA

6

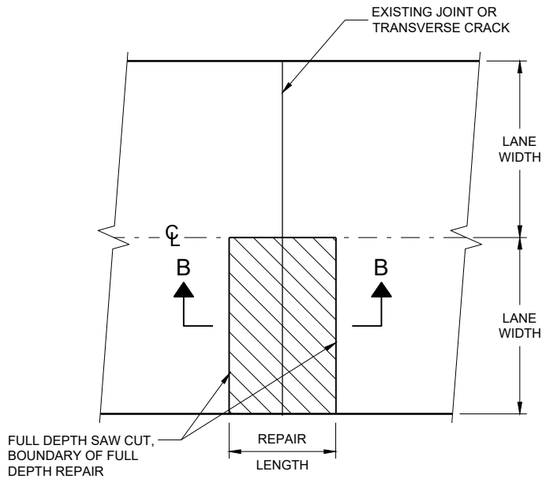
S.D.D. 11 B 2-2

6

S.D.D. 11 B 2-2



PLAN VIEW
DOUBLE LANE REPAIR



PLAN VIEW
SINGLE LANE REPAIR

GENERAL NOTES

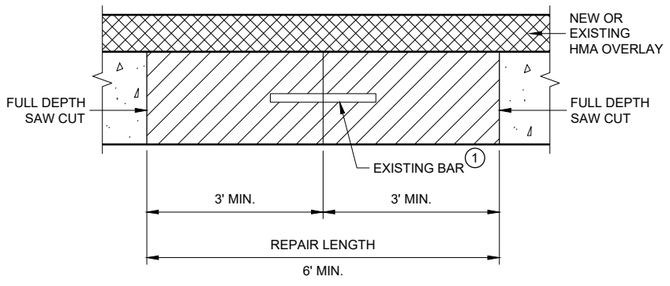
SAW CUT, DRILL, AND LIFT OUT EXISTING CONCRETE PAVEMENT WITHIN THE BOUNDARIES OF CONCRETE REPAIR AREAS. THE CONTRACTOR MAY MAKE ADDITIONAL SAW CUTS INSIDE THE REPAIR LIMITS TO REDUCE WEIGHT AND SIZE OF CONCRETE PIECES.

PROVIDE A 6 FOOT MINIMUM DISTANCE FROM BOUNDARIES OF CONCRETE REPAIR AREA TO ADJACENT TRANSVERSE JOINT OR CRACK.

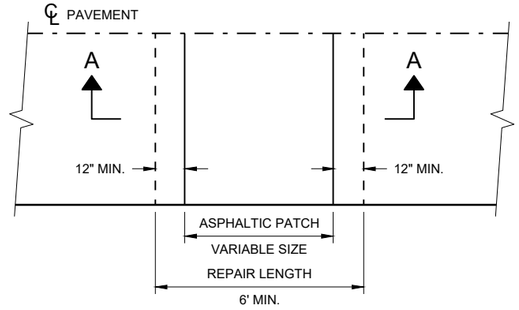
THE LENGTH OF THE REPAIRS MAY VARY FROM THE DIMENSIONS SHOWN IF THE EXISTING CONCRETE PAVEMENT IS NON-DOWELED AND THE PAVEMENT IS TO BE OVERLAID AFTER REPAIRING.

(1) DOWEL BARS MAY NOT BE PRESENT.

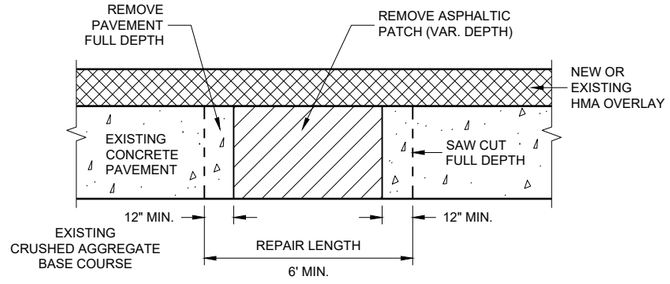
FULL DEPTH CONCRETE PAVEMENT REMOVAL



SECTION B - B
CONCRETE REMOVAL



PLAN VIEW



SECTION A - A

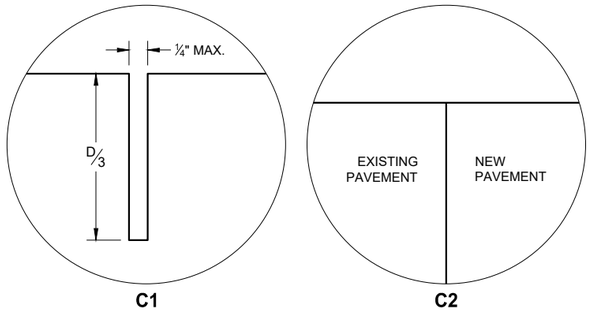
HMA PATCH REMOVAL

BASE PATCHING CONCRETE

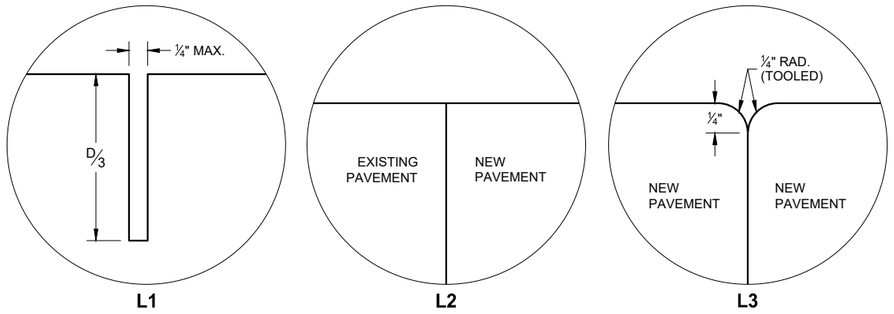
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTA

6

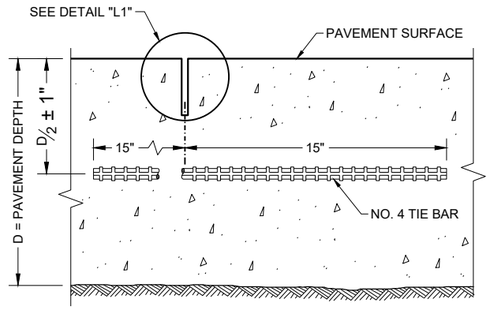
SDD 13C14 - 07a



TRANSVERSE JOINTS

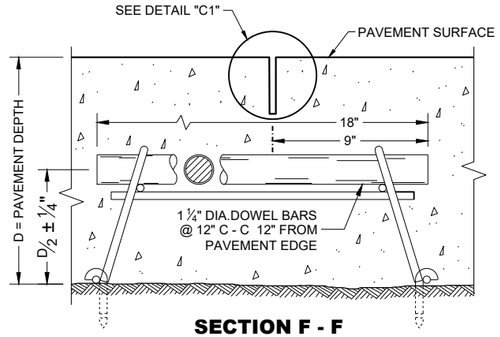


LONGITUDINAL JOINTS



SECTION C - C

SAWED LONGITUDINAL JOINT



SECTION F - F

CONTRACTION JOINT

GENERAL NOTES

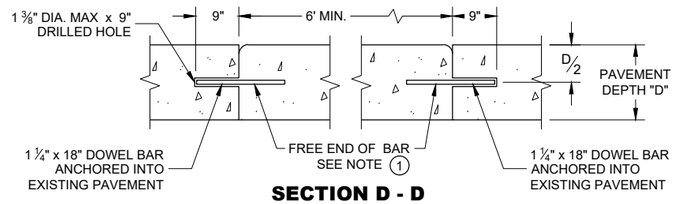
INSTALL DOWEL BARS PARALLEL TO THE PAVEMENT CENTERLINE AND PAVEMENT SURFACE.

CONCRETE BASE PATCHES OF EXISTING NON-DOWELED CONCRETE PAVEMENTS DO NOT NEED TO BE DOWELED.

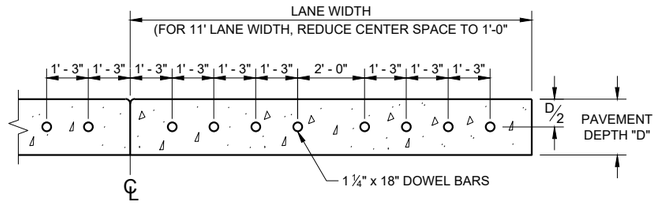
ANCHOR DOWEL BARS AND TIE BARS INTO DRILLED HOLES WITH AN EPOXY.

PROVIDE A MINIMUM DISTANCE OF 15 INCHES FROM ALL TRANSVERSE JOINTS OR EDGES OF REPLACEMENT TO THE CENTER OF THE TIE BAR NEAREST THAT JOINT O EDGE.

(1) APPLY A THIN UNIFORM COATING OF SURFACE TREATMENT TO THE FREE END OF DOWEL BARS TO PREVENT BONDING.

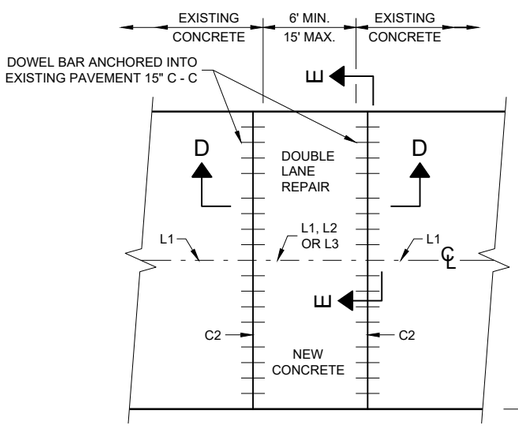


SECTION D - D



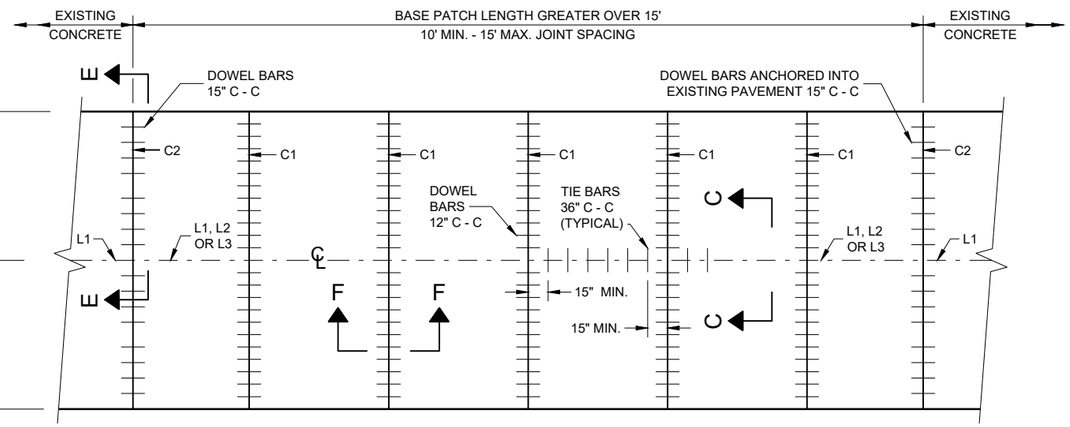
SECTION E - E

SPACING OF DOWEL BARS ANCHORED INTO EXISTING PAVEMENT



PLAN VIEW

MULTILANE CONCRETE BASE PATCH 15' MAXIMUM LENGTH



PLAN VIEW

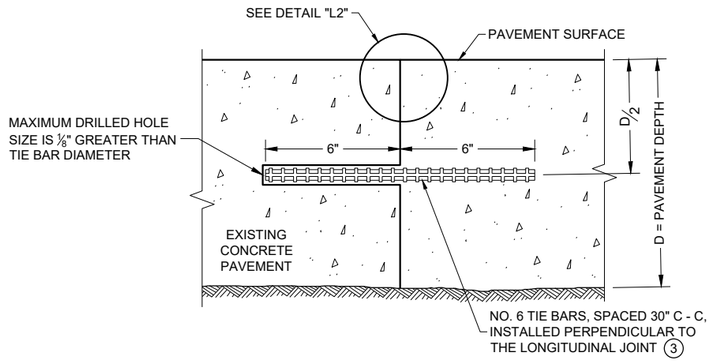
MULTILANE CONCRETE BASE PATCH GREATER THAN 15' IN LENGTH

BASE PATCHING CONCRETE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTA

SDD 13C14 - 07b

SDD 13C14 - 07b

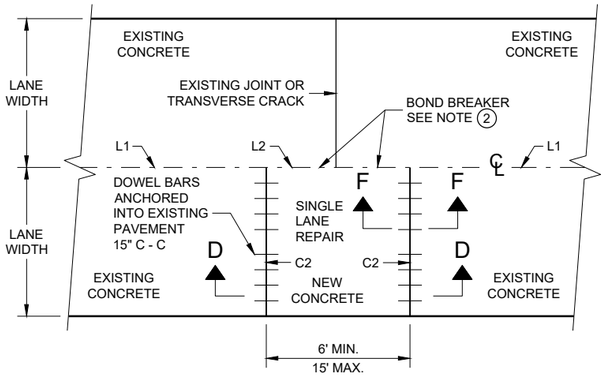


SECTION G - G

TIE BARS ANCHORED INTO EXISTING PAVEMENT

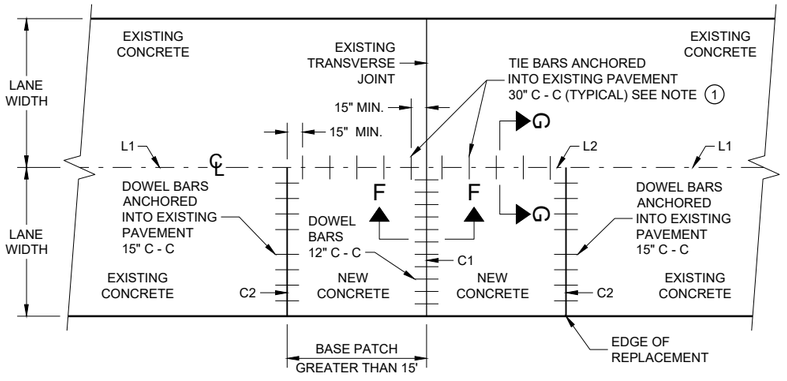
GENERAL NOTES

1. WITH THE APPROVAL OF THE ENGINEER, FOR SINGLE LANE PAVEMENT REPLACEMENTS LESS THAN 30 FEET IN LENGTH, THE CONTRACTOR MAY INSTALL DRILLED TIE BARS ON 6:1 SKEW HORIZONTALLY, DIRECTION OF SKEW ALTERNATING WITH EACH SUCCESSIVE BAR. DRIVE SKEWED TIE BARS TO A DEPTH OF 6 INCHES IN A HOLE OF SUCH A DIAMETER AS TO PROVIDE A TIGHT DRIVEN FIT.
2. USE AN ENGINEER APPROVED BOND BREAKER (E.G. RELEASE AGENT, CURING COMPOUND) FOR SINGLE LANE REPAIRS UP TO 15 FEET IN LENGTH.
3. ANCHOR TIE BARS INTO DRILLED HOES WITH AN EPOXY.



PLAN VIEW

SINGLE LANE CONCRETE BASE PATCH 15' MAXIMUM LENGTH



PLAN VIEW

SINGLE LANE CONCRETE BASE PATCH GREATER THAN 15' LENGTH

BASE PATCHING CONCRETE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
March 2018
DATE

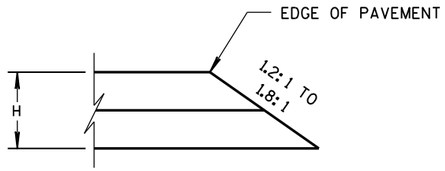
/S/ Peter Kemp, P.E.
PAVEMENT SUPERVISO

FHWA

SDD 13C14 - 07c

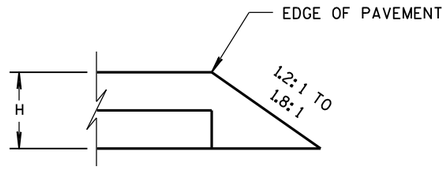
6

SDD 13C14 - 07c



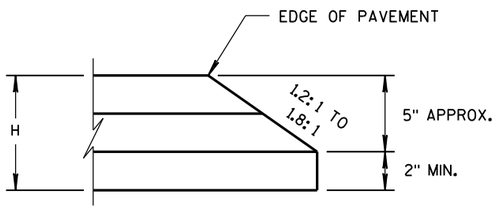
CONSTRUCTED WITH FINAL TWO LAYERS

FOR H 5" OR LESS



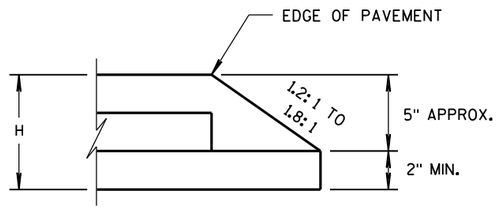
CONSTRUCTED WITH FINAL LAYER

FOR H 5" OR LESS



CONSTRUCTED WITH FINAL TWO LAYERS

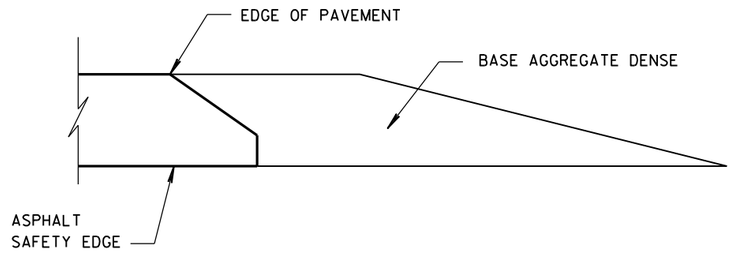
FOR H GREATER THAN 5"



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

(1) WOOD OR STEEL POSTS (w6X9 OR w6X8.5) MAY BE USED. DO NOT INTERMIX WOOD AND STEEL POSTS. INSTALL STEEL POSTS WITH HOLES ON APPROACHING TRAFFIC SIDE.

(2) USE WOOD OR APPROVED PLASTIC BLOCKOUTS. WOOD BLOCKOUTS MAY BE CONSTRUCTED OUT OF TWO OR MORE WOOD BLOCKOUTS. SEE ALTERNATE WOOD BLOCKOUT DETAIL. DIMENSIONS OF APPROVED PLASTIC BLOCKOUTS MAY VARY.

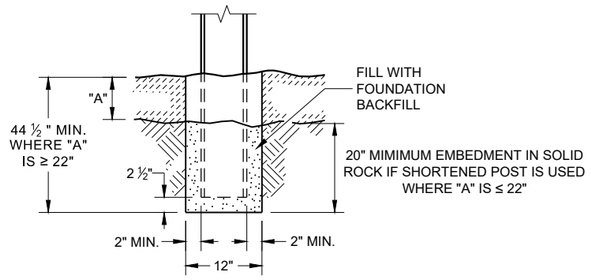
(3) IF ROCK IS ENCOUNTERED DURING EXCAVATION, PROVIDE A HOLE 12 INCHES IN DIAMETER EXTENDING 20 INCHES DEEP INTO THE ROCK. PLACE APPROXIMATELY 2 1/2" INCHES OF GRANULAR MATERIAL IN THE BOTTOM OF THE HOLE. CUT THE POSTS THE TO LENGTH AMD INSTALL. BACKFILL WITH EXCAVATED MATERIAL AND COMPACT. BACKFILL IS TO BE FREE OF LARGE ROCKS.

(4) WHEN THE DISTANCE FROM BACK OF POST TO SHOULDER HINGE POINT IS LESS THAN 2 FEET INSTALL LONGER POST AT HALF POST SPACING (K).

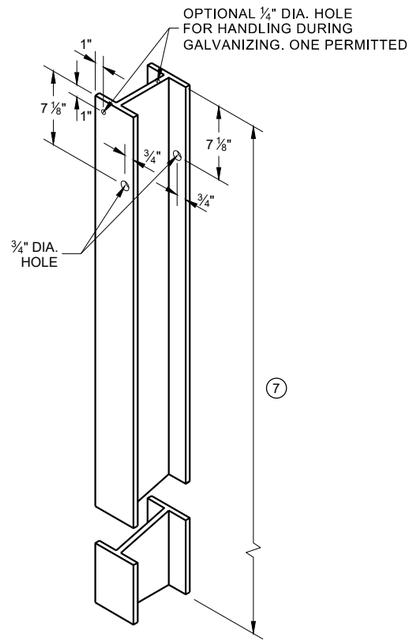
(5) FOR NEW MGS INSTALLATION TOP OF W-BEAM RAIL TOLERANCE IS ±1". FOR EXISTING MGS INSTALLATION TOP OF W-BEAM IS BETWEEN 27 ¾" TO 32".

(6) WHEN USING STEEL POST AND WOOD BLOCKOUTS INSTALL FOUR 16D GALVANIZED NAILS. INSTALL NAILS AT THE BACK CORNERS OF THE BLOCK AND BEND THE NAILS OVER THE FLANGE OF THE STEEL POST.

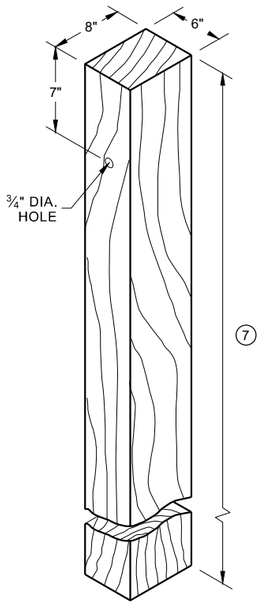
(7) TOTAL POST LENGTH FOR TYPE K IS 7' - 0".
TOTAL POST LENGTH FOR OTHER MGS TYPES IS 6' - 0".



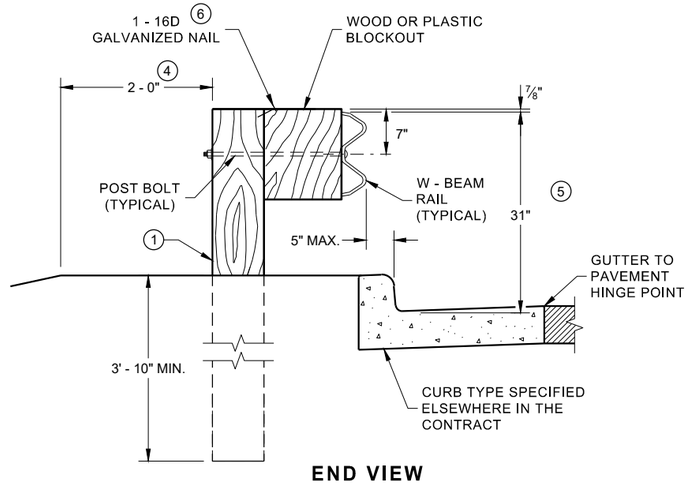
END VIEW
SETTING STEEL OR WOOD POST IN ROCK (3)



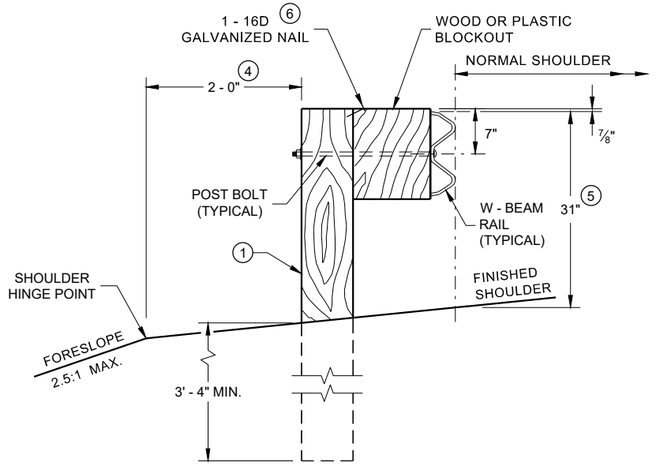
STEEL POST & HOLE PUNCHING DETAIL (W 6 X 9) (1)



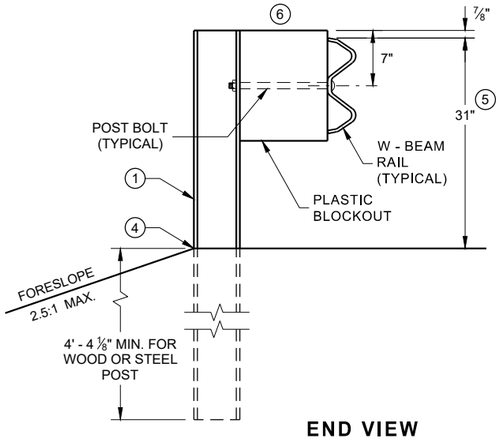
WOOD POST (6" X 8") NOMINAL (1)



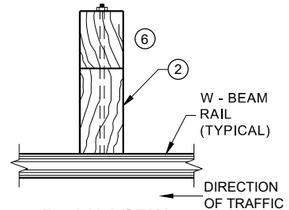
END VIEW
LOCATED ALONG A CURBED ROADWAY



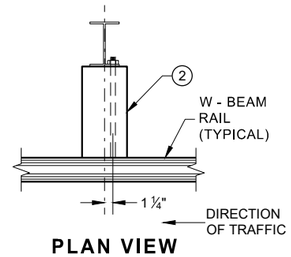
END VIEW
LOCATED ALONG A ROADWAY SHOULDER STANDARD INSTALLATION



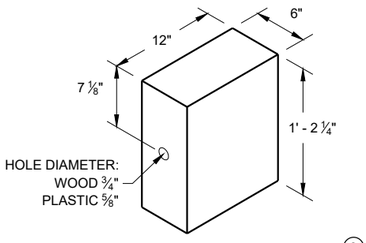
END VIEW
MGS LONGER POST AT HALFPOST SPACING W BEAM (K)



PLAN VIEW
WOOD POST, BLOCKOUT & BEAM



PLAN VIEW
STEEL POST, PLASTIC BLOCKOUT & BEAM



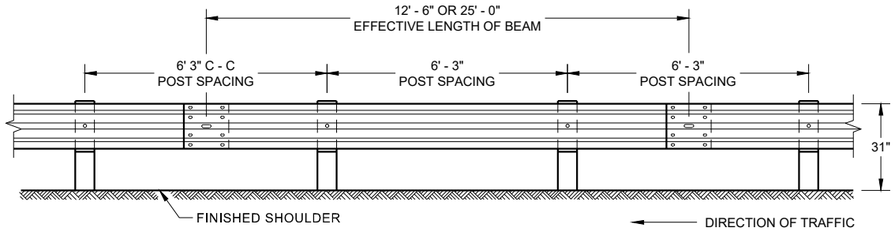
WOOD OR PLASTIC BLOCKOUT (2)

MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL

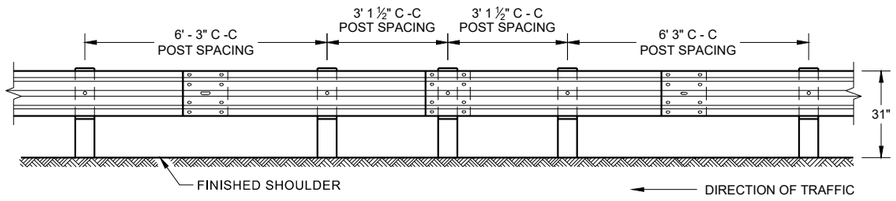
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

SDD 14B42 - 07a

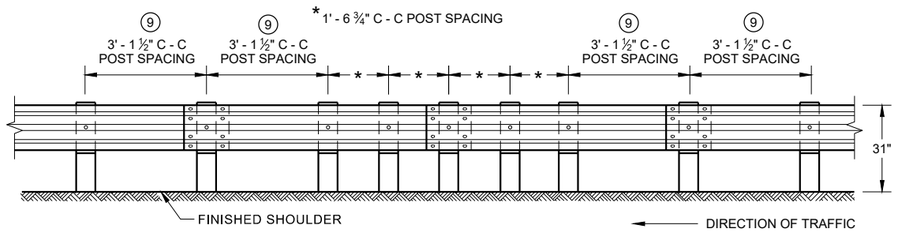
SDD 14B42 - 07a



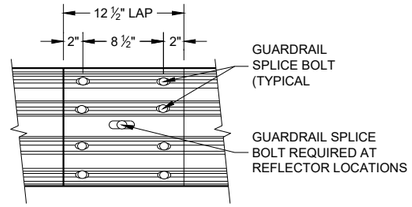
FRONT VIEW
POST SPACING STANDARD INSTALLATION



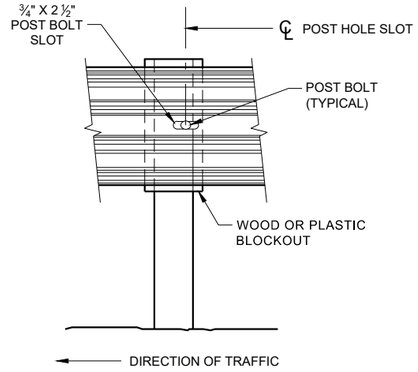
FRONT VIEW
HALF POST SPACING (HS) AND HALF POST SPACING WITH LONGER POSTS (K)



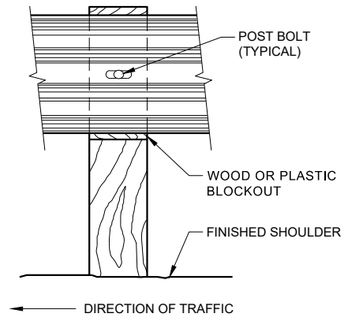
FRONT VIEW
QUARTER POST SPACING (QS)



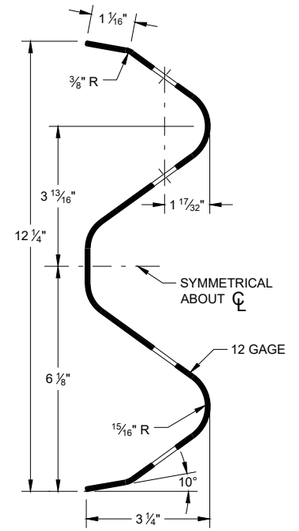
FRONT VIEW
MID-SPAN BEAM SPLICE



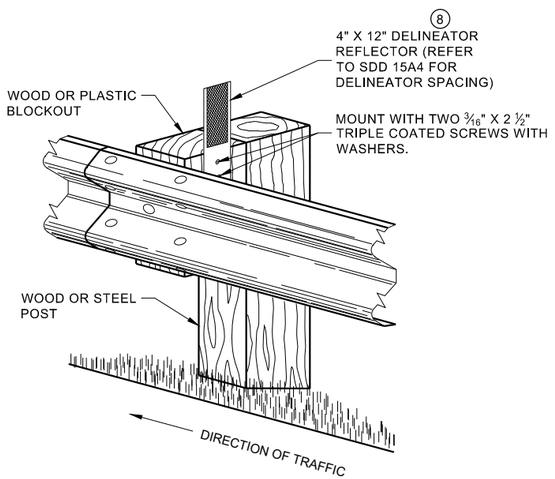
FRONT VIEW AT STEEL POST



FRONT VIEW AT WOOD POST



SECTION THRU W-BEAM RAIL



ONE SIDED REFLECTOR DETAIL AND TYPICAL INSTALLATION

GENERAL NOTES

(8) DO NOT INSTALL REFLECTORS ON THE FIRST 50 FEET OF THE APPROACH END OF THE ENERGY ABSORBING TERMINAL.

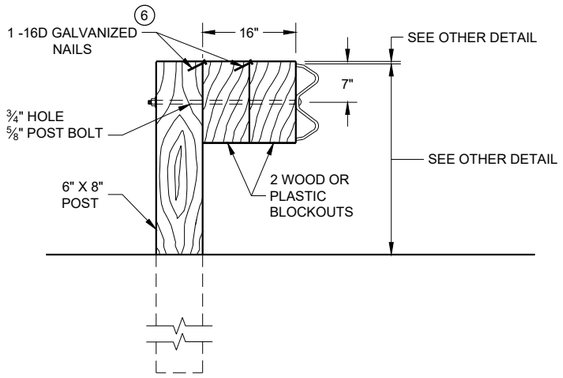
(9) 25 FEET OF HALF POST SPACING IS REQUIRED ON APPROACH AND DEPARTURE ENDS OF QUARTER POST SPACING.

POST BOLTS ARE A ⅝" DIAMETER ASTM A307 GUARDRAIL BOLT. A POST BOLT REQUIRES ⅝" DIAMETER A563A DOUBLE RECESSED (DR) HEAVY HEX NUT AND ⅝" DIAMETER F844 FLAT WASHER. POST BOLTS MAY BE LONGER IF MULTIPLE BLOCKOUTS ARE BEING USED.

GUARD RAIL SPLICE BOLTS ARE A ⅝" DIAMETER ASTM A307 GUARDRAIL HEAD BOLT. A GUARDRAIL SPLICE BOLT REQUIRES ⅝" DIAMETER A563A DOUBLE RECESSED (DR) HEAVY HEX NUT.

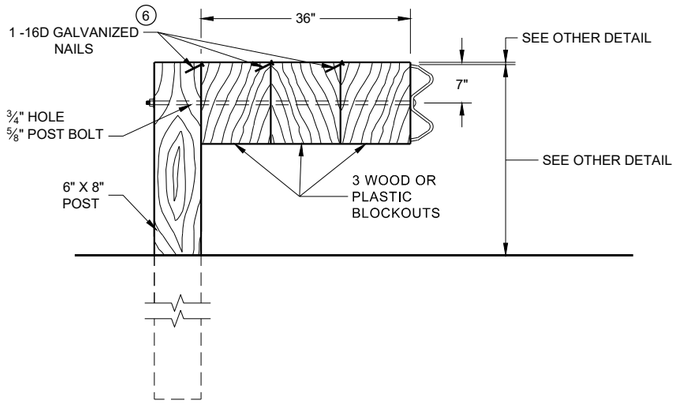
MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



DETAIL FOR 16" BLOCKOUT DEPTH

IT IS ACCEPTABLE TO USE BLOCKOUTS UP TO 16" DEEP TO INCREASE THE POST OFFSET TO AVOID UNDERGROUND OBSTACLES. THERE IS NO LIMIT TO THE NUMBER OF POSTS THAT CAN HAVE ADDITIONAL BLOCKOUTS UP TO 16" DEEP.



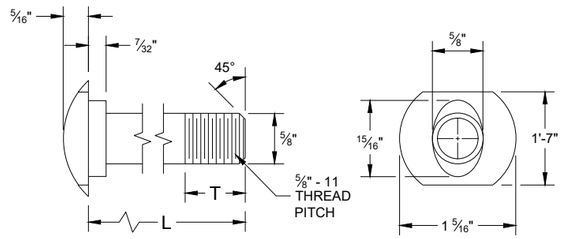
DETAIL FOR 36" BLOCKOUT DEPTH

NOTES: UNDER SPECIAL CIRCUMSTANCES, SUCH AS AVOIDING OBSTACLES THAT ARE NOT RELOCATED, IT IS ACCEPTABLE TO INSTALL ADDITIONAL BLOCKOUTS TO OBTAIN UP TO 36" DEPTH FOR ONE OR TWO POSTS IN A SECTION OF GUARDRAIL.

DO NOT USE 16" OR 36" BLOCKOUTS IF IT CAUSES THE POST TO BE DRIVEN BEYOND SHOULDER HINGE POINT OR CAUSES A FIXED OBJECT TO BE WITHIN THE DEFLECTION DISTANCE OF THE BARRIER.

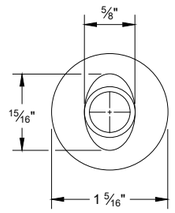
NOTE:

1. ALL FILLETS SHALL HAVE A MINIMUM RADIUS OF 3/16".
2. IF THE BOLT EXTENDS MORE THAN ¼" FROM THE NUT THE BOLT SHOULD BE TRIMMED BACK.

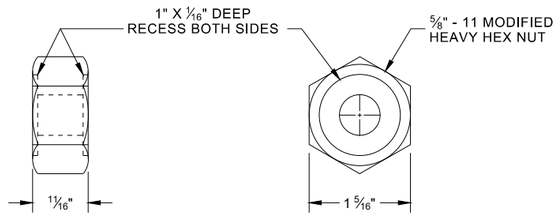


POST BOLT TABLE

L	T (MIN.)
1 ¼"	1 ⅛"
2"	1 ¾"
10"	4"
14"	4 1/16"
18"	4"
21"	4 1/16"
25"	4"

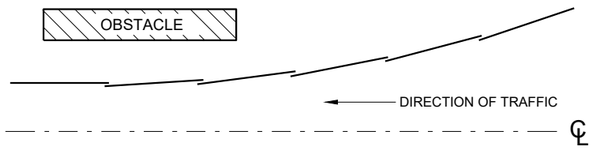


ALTERNATE BOLT HEAD

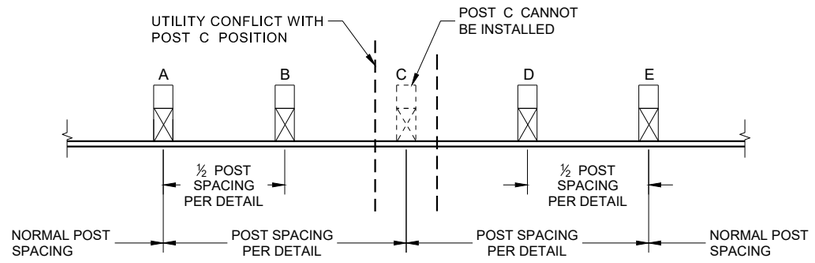


POST BOLT, SPLICE BOLT AND RECESS NUT

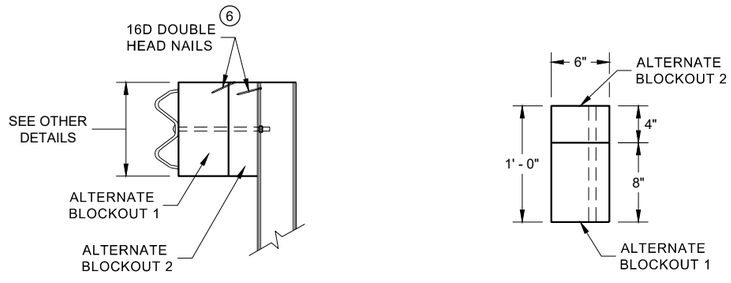
6 WHEN USING STEEL POST AD WOOD BLOCKOUTS, INSTALL FOUR 16D GALVANIZED NAILS. INSTALL NAILS AT THE BACK CORNERS OF THE BLOCK AND BEND THE NAILS OVER THE FLANGE OF THE STEEL POST.



PLAN VIEW
BEAM LAPPING DETAIL



POST DRIVING FOR CONTINUOUS UNDERGROUND OBSTRUCTION



SIDE VIEW

PLAN VIEW

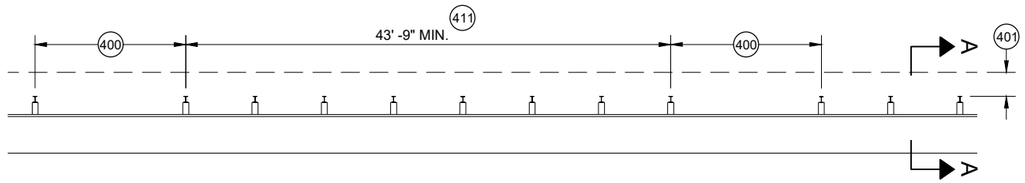
ALTERNATE WOOD BLOCKOUT DETAIL

MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL

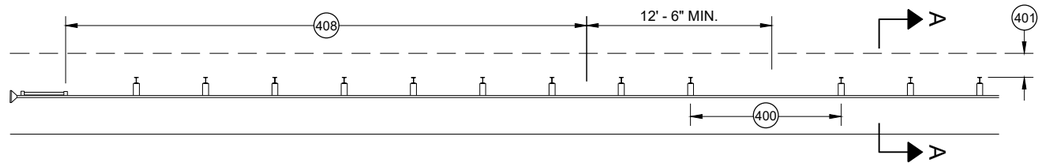
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTA 251

SDD 14B42 - 07c

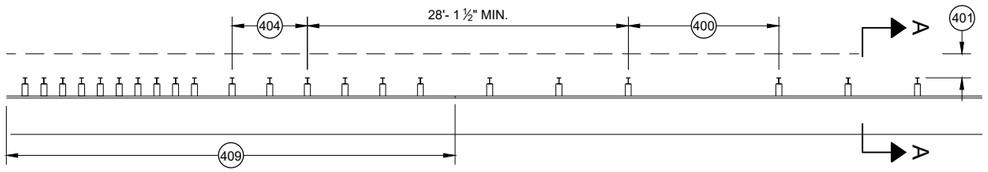
SDD 14B42 - 07c



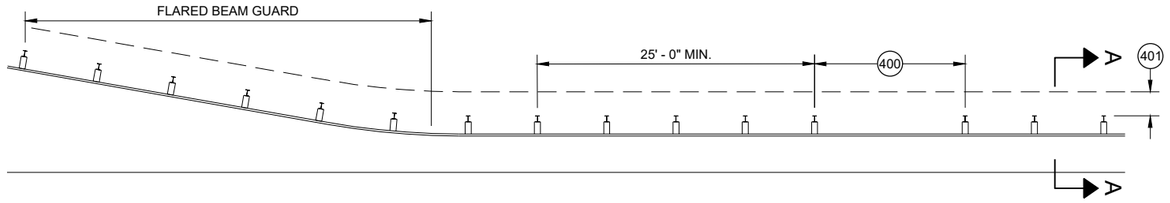
MISSING POST IN MGS GUARDRAIL



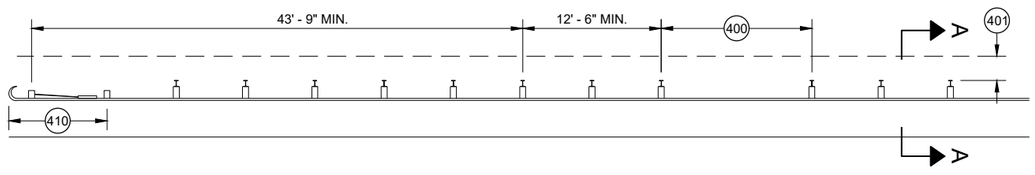
MISSING POST IN MGS GUARDRAIL NEAR EAT



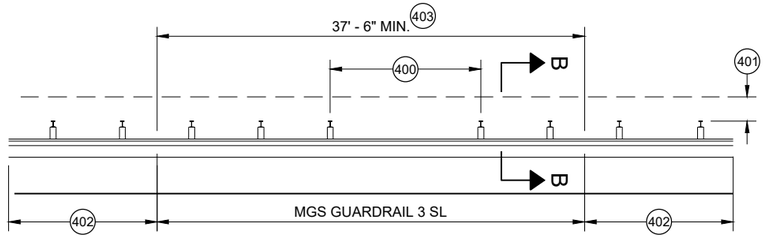
MISSING POST IN MGS GUARDRAIL NEAR AN APPROACH TRANSITION



MISSING POST IN MGS GUARDRAIL NEAR FLARED BEAM GUARD

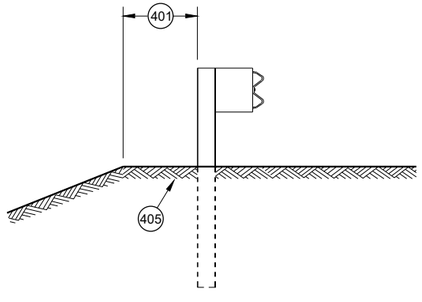


MISSING POST IN MGS GUARDRAIL NEAR A TYPE 2 END TERMINAL

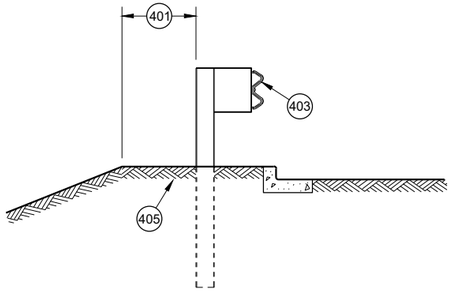


MISSING POST IN SHORT SPAN MGS GUARDRAIL NEAR CURB (SL) 407

(400) MAX SPAN 12' - 6"
(401) 2' MIN.
(402) MGS GUARDRAIL 3
(403) NESTING BEAM GUARD
(404) ASYMMETRIC TRANSITION
(405) SOIL WELL DRAINED AND COMPACTED
(406) SEE OTHER DRAWINGS IN THIS SDD
(407) SEE OTHER DRAWINGS FOR MIN. SPACING BETWEEN SPANS
(408) SEE SDD 14B44
(409) SEE SDD 14B45
(410) SEE SDD 14B47
(411) MINIMUM DISTANCE BETWEEN MISSING POST SPANS.



SECTION A - A 406



SECTION B - B 406

MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2021
DATE
/S/ Rodney Taylor
ROADWAY STANDARDS DEVE
UNIT SUPERVISOR

FHWA

6

SDD 14B42 - 07d

GENERAL NOTES

(A) THE SLOPE IN THE AREA BOUNDED BY THE GRADELINE, THE HINGE POINT LINE (HPL) AND THE CLEAR ZONE LIMITS (CZL) SHALL BE 4:1 OR FLATTER.

(B) AFTER FINAL ASSEMBLY, RECHECK CABLE TO BE SURE IT IS TAUT AND HAS NOT RELAXED

(C) DIFFERENT MANUFACTURERS REQUIRE DIFFERENT PERFORATED W - BEAM RAIL END PANELS. SEE MANUFACTURER'S INFORMATION.

(D) ATTACH ALUMINUM SHEET TO E.A.T. HEAD USING 4 STAINLESS STEEL SELF - TAPPING SCREWS. ONE SCREW PER CORNER.

(E) HARDWARE MAY VARY BETWEEN MANUFACTURER. SEE MANUFACTURER'S DRAWING FOR INFORMATION.

DIMENSIONS MAY VARY, MANUFACTURER'S INFORMATION.

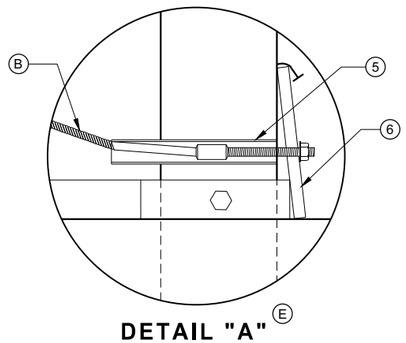
SEE SDD 14B42 FOR MORE INFORMATION.

* DO NOT ATTACH BLOCKOUTS TO POST 1 AND 2.

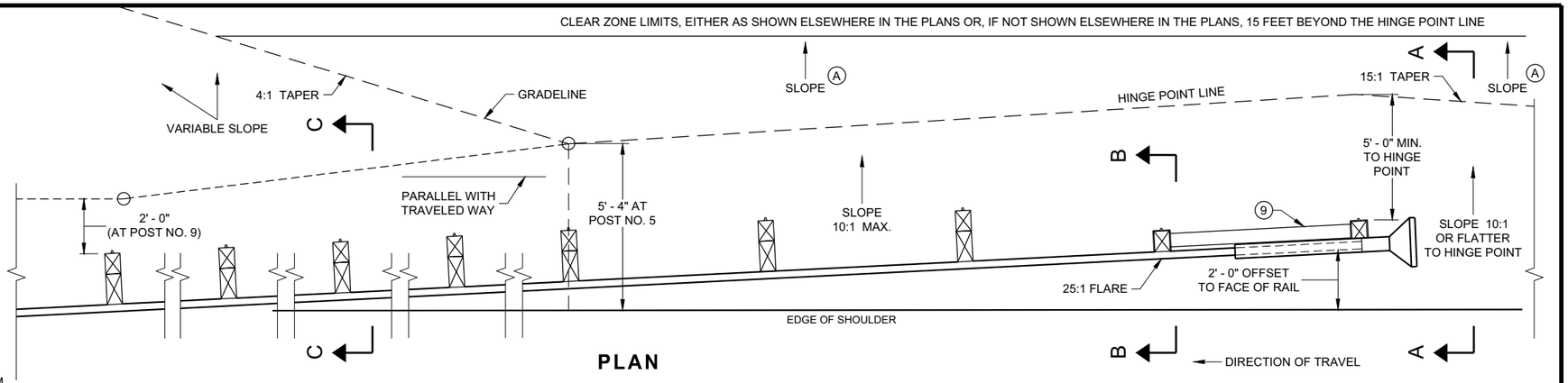
DO NOT INSTALL REFLECTORS ON THE FIRST 50 FEET OF THE APPROACH END OF THE ENERGY ABSORBING TERMINAL.

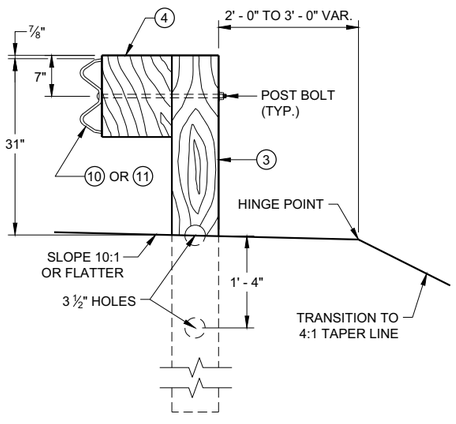
SEE MANUFACTURER'S DRAWING FOR SPLICE LOCATION, HARDWARE DIMENSIONS AND INSTALLATION INSTRUCTIONS.

THE CENTER OF THE UPPER 3 ½" DIAMETER HOLE ON POST NUMBER 3 THROUGH POST 9 IS TO BE FLUSH WITH THE GROUND LINE UP TO A MAXIMUM OF 2" ABOVE GROUND LINE. WOOD BLOCKS ON POSTS NUMBERED 3 THROUGH 9 MAY BE ADJUSTED UP TO 3" ABOVE THE TOP OF POST.

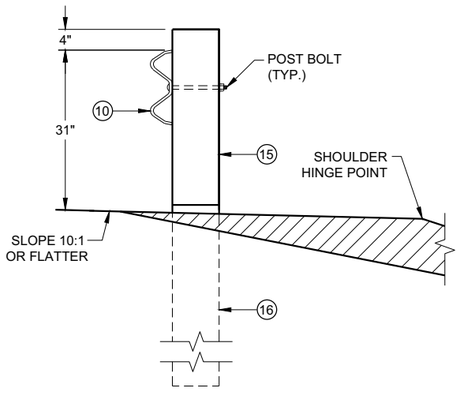


DETAIL "A" (E)

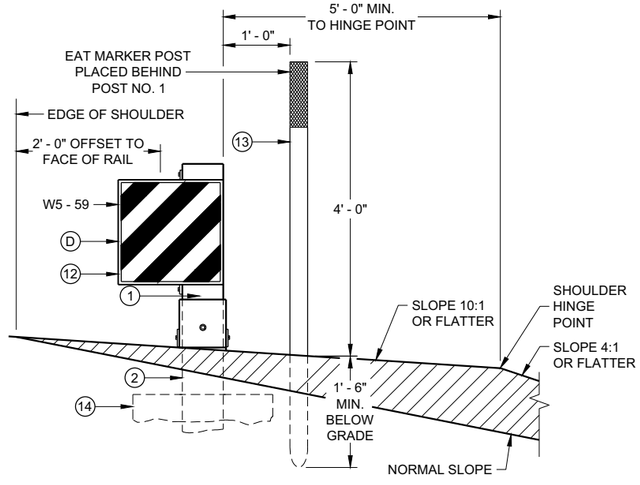




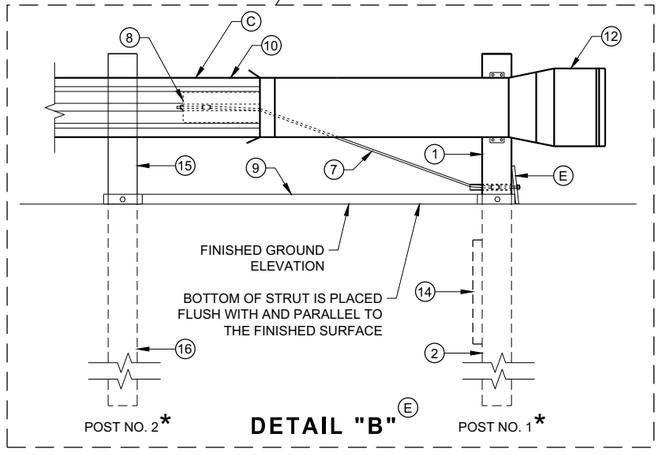
SECTION C - C
TYPICAL AT POST NOS. 3 - 9



SECTION B - B
TYPICAL AT POST NO. 2*



SECTION A - A
TYPICAL AT POST NO. 1*



DETAIL "B" (E)

MIDWEST GUARDRAIL SYSTEM
ENERGY ABSORBING TERMINAL (MGS)

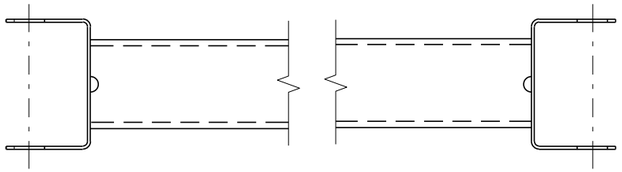
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

SDD 14B44 - 04a

SDD 14B44 - 04a

6

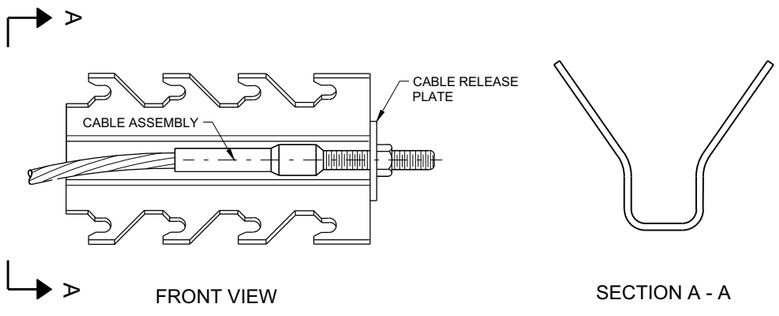
6



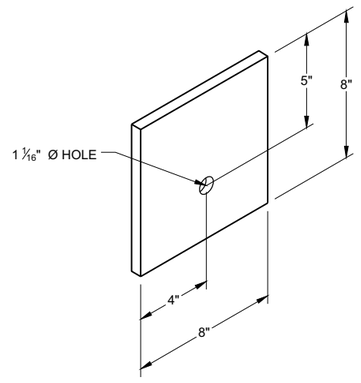
GENERIC GROUND STRUT ⑨ Ⓔ

BILL OF MATERIALS

PART NO.	DESCRIPTION MATERIALS PROVIDED BY MGS EAT MANUFACTURER. SEE MANUGACTURER'S DETAILS FOR MORE INFORMATION.
①	UPPER POST NO. 1 6" X 6" TUBE
②	LOWER POST NO. 1
③	WOOD CRT
④	WOOD BLOCKOUT
⑤	PIPE SLEEVE
⑥	BEARING PLATE
⑦	BCT CABLE ASSEMBLY
⑧	ANCHOR CABLE BOX
⑨	GROUND STRUT
⑩	PERFORATED W-BEAM RAIL END PANEL, 12'-6" LONG.
⑪	STANDARD W-BEAM RAIL. MULTIPLE SECTIONS REQUIRED. SECTIONS VARY IN LENGTH.
⑫	IMPACT HEAD
⑬	EAT MARKER POST - YELLOW (SEE APPROVED PRODUCTS LIST)
⑭	SOIL PLATE
⑮	UPPER POST NO. 2
⑯	LOWER POST NO. 2



GENERIC ANCHOR CABLE BOX ⑨ Ⓔ



BEARING PLATE ⑥ Ⓔ

6

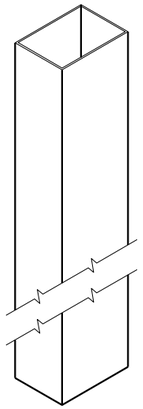
6

SDD 14B44 - 04b

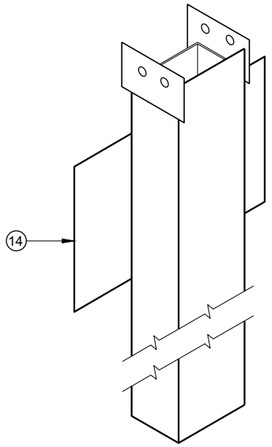
SDD 14B44 - 04b

MIDWEST GUARDRAIL SYSTEM
ENERGY ABSORBING TERMINAL
(MGS)

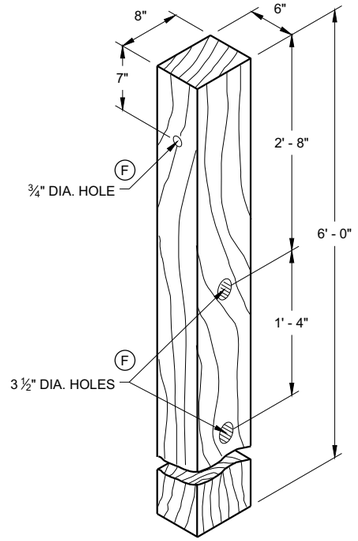
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



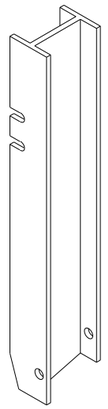
UPPER POST NO. 1 (1) (E)



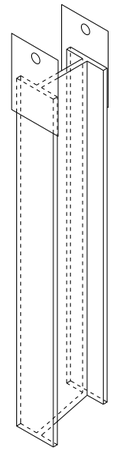
LOWER POST NO. 1 (2) (E)



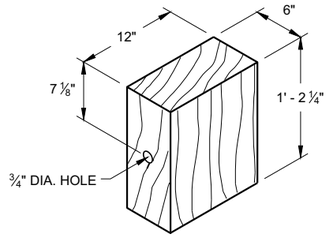
WOOD CRT POST (3) (E)
POSTS NUMBER 3-9



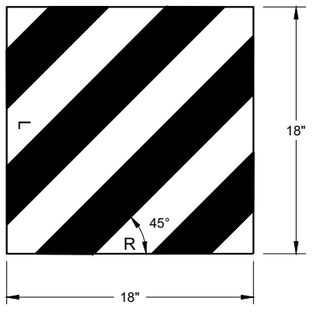
UPPER POST NO. 2 (15) (E)



LOWER POST NO. 2 (16) (E)

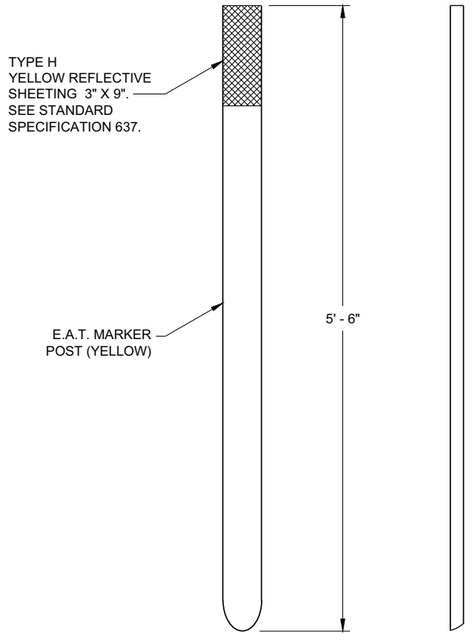


WOOD BLOCKOUT (4)
REQ'D. AT ALL POSTS EXCEPT POST NO'S 1 & 2



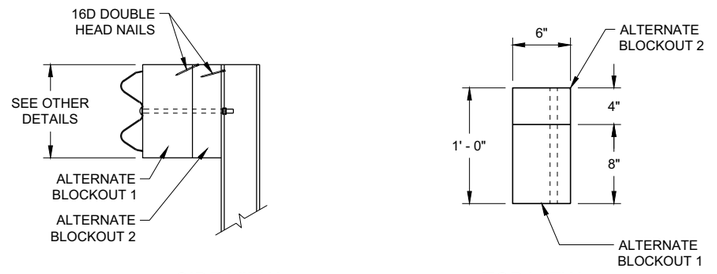
W5 - 59

REFLECTIVE SHEETING DETAIL (E)



FRONT VIEW SIDE VIEW

E.A.T. MARKER POST (13)



SIDE VIEW TOP VIEW

ALTERNATE WOOD BLOCKOUT DETAIL

MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)

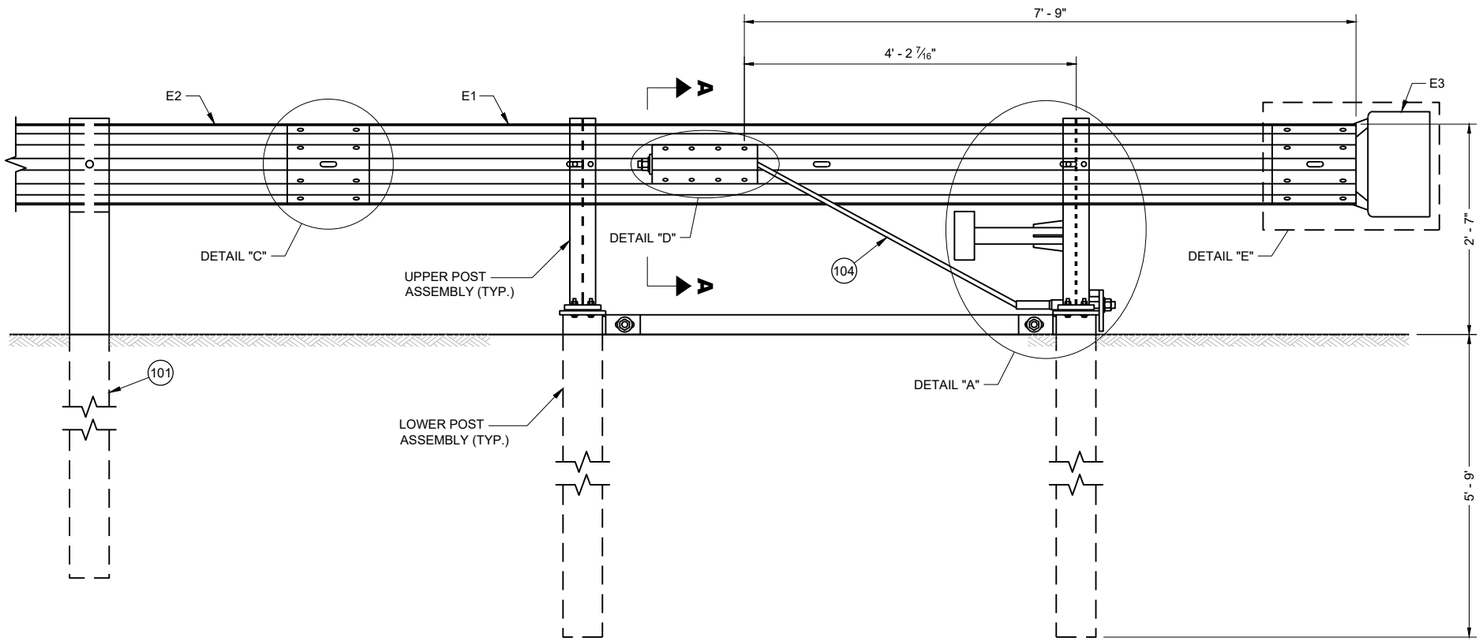
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
7/2018
DATE
/S/ Rodney Taylor
ROADWAY STANDARDS DEVE UNIT SUPERVISOR

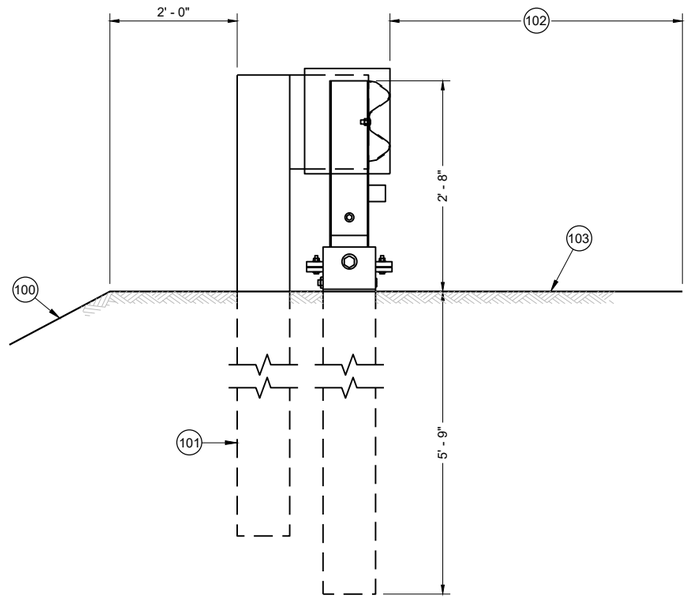
FHWA

6

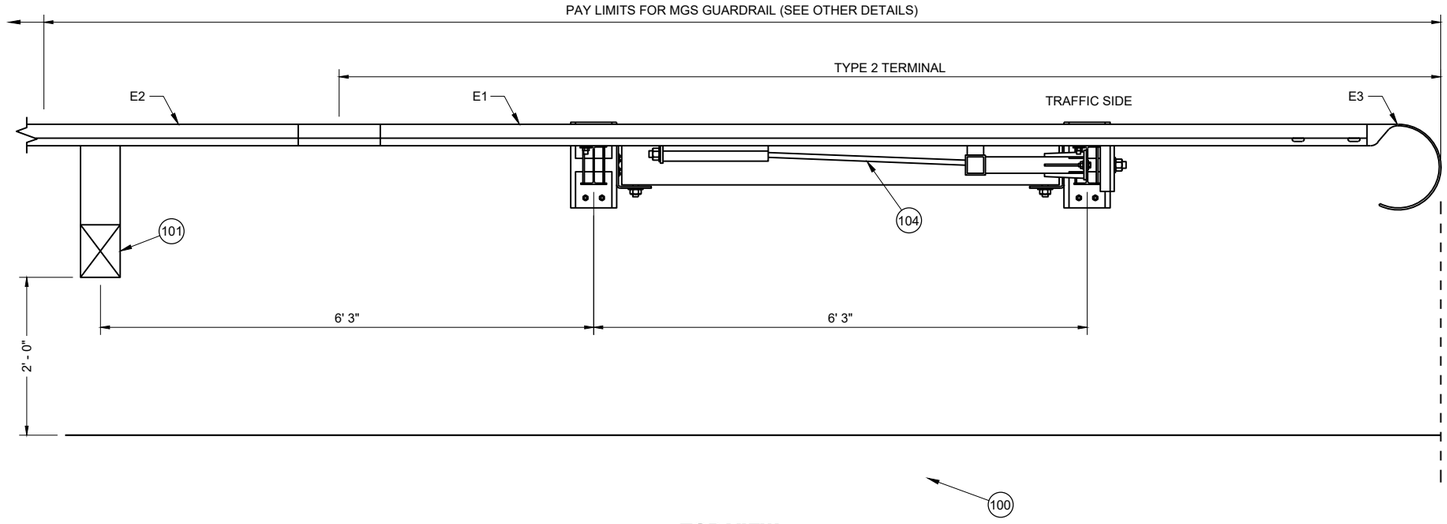
SDD 14B44 - 04c



BACK VIEW
TYPE 2 TERMINAL



SIDE VIEW
TYPE 2 TERMINAL



TOP VIEW
TYPE 2 TERMINAL

GENERAL NOTES

(100) MAXIMUM SLOPE IS 2.5:1.

(101) SEE SDD 14B42 FOR MORE INFORMATION.

(102) SHOULDER

(103) MAXIMUM SLOPE IS 10:1.

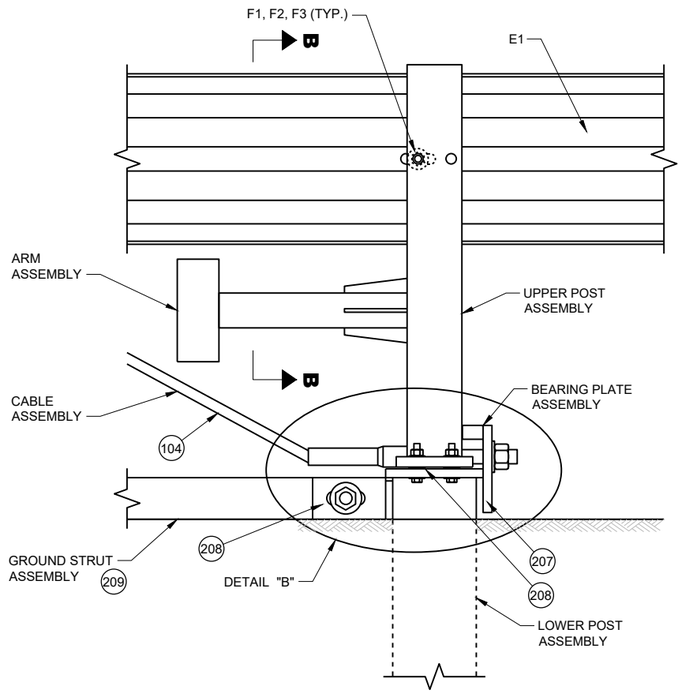
(104) AFTER ASSEMBLY, CABLE IS TO BE TIGHTENED WITHOUT TWISTING THE CABLE.

MIDWEST GUARDRAIL SYSTEM (MGS)
TYPE 2 TERMINAL

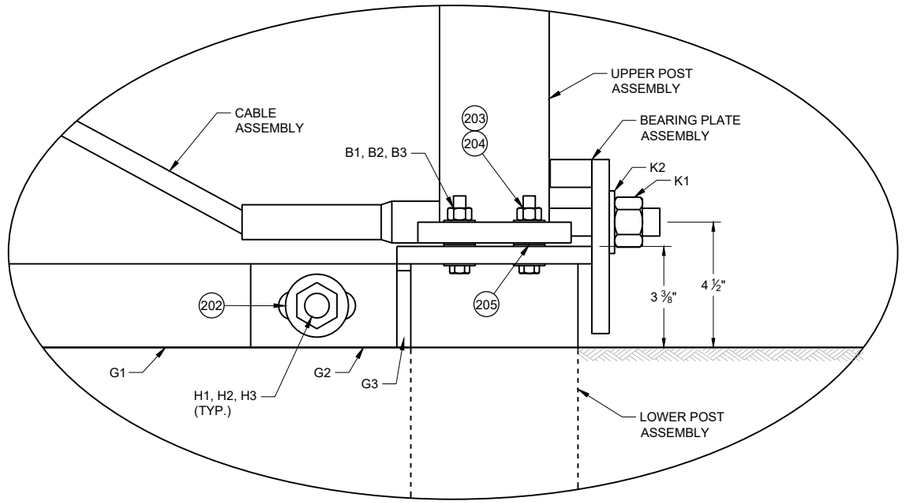
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 14B47-06a

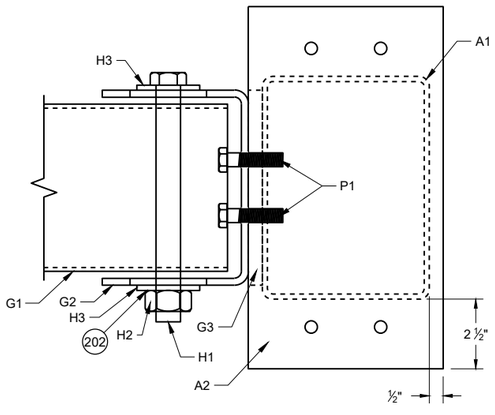


DETAIL "A"



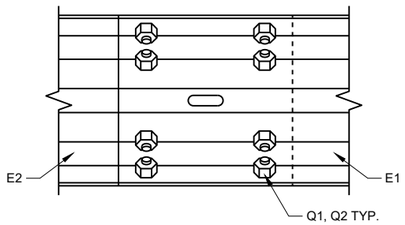
DETAIL "B"

SECTION B - B

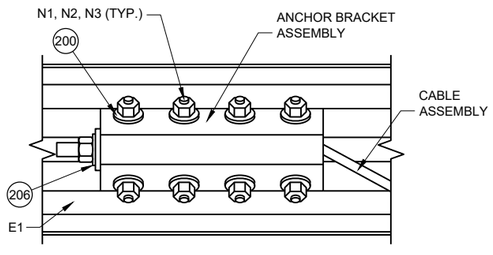


TOP VIEW

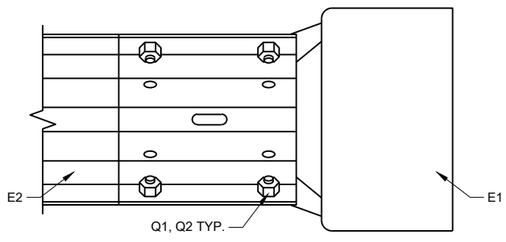
GROUND STRUT CONNECTION DETAIL



DETAIL "C"



DETAIL "D"



DETAIL "E"

GENERAL NOTES

200 INSTALL ONE WASHER UNDER BOLT HEAD AND RAIL AND ON WASHER BETWEEN NUT AND ANCHOR BRACKET ASSEMBLY.

201 INSTALL ONE WASHER UNDER BOLT HEAD AND UPPER POST ASSEMBLY AND ONE WASHER BETWEEN NUT AND ARM PLATE.

202 INSTALL ONE WASHER UNDER BOLT HEAD AND GROUND STRUT CONNECTOR AND ONE WASHER BETWEEN NUT AND GROUND STRUT CONNECTOR.

203 INSTALL ONE WASHER UNDER BOLT HEAD AND LOWER POST ASSEMBLY AND ONE WASHER BETWEEN NUT AND UPPER POST ASSEMBLY.

204 TORQUE VALUE IS BETWEEN 60 - 75 FT-LB.

205 TWO WASHERS BETWEEN UPPER AND LOWER POST ASSEMBLY.

206 INSTALL ONE WASHER BETWEEN NUT AND ANCHOR BRACKET ASSEMBLY.

207 NO MATERIAL IS TO BE PLACED AGAINST THE VERTICAL FACES OF BEARING PLATE.

208 PREVENT OR REMOVE MATERIALS THAT BLOCK ACCESS TO BOLTS FOR POST ASSEMBLIES AND GROUND STRUT.

209 PREVENT OR REMOVE MATERIALS THAT IMPEDE REMOVAL OF GROUND STRUT.

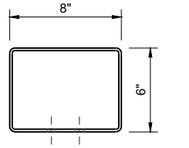
MIDWEST GUARDRAIL SYSTEM (MGS) TYPE 2 TERMINAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

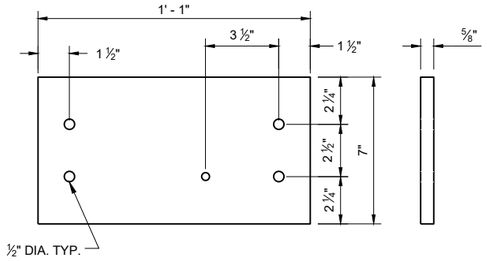
6
SDD 14B47-06b

GENERAL NOTES

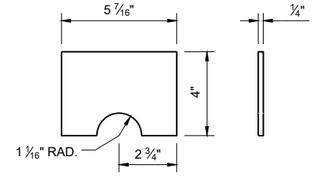
(300) TAP FOR 1/2" AFTER GALVANIZATION



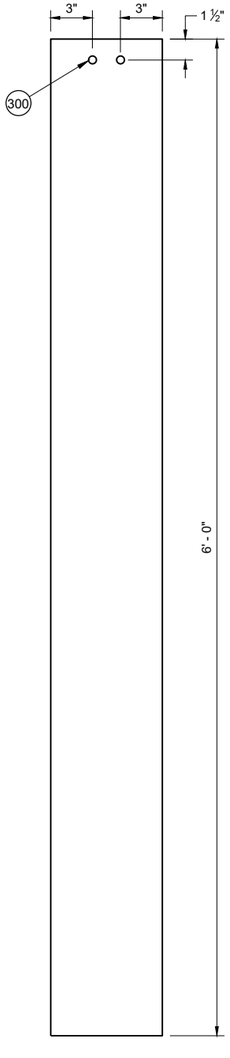
TOP VIEW



LOWER PLATE (A2)

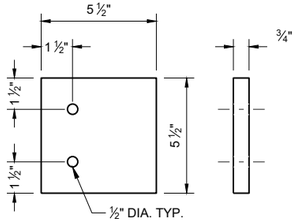


POST GUSSET (A3)

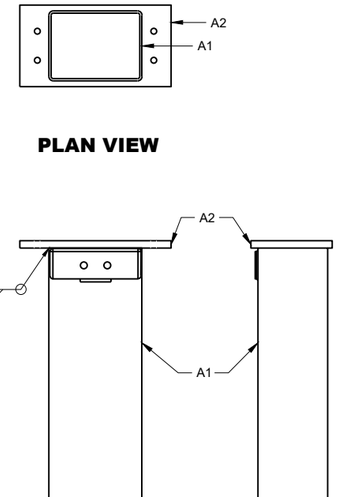


SIDE VIEW

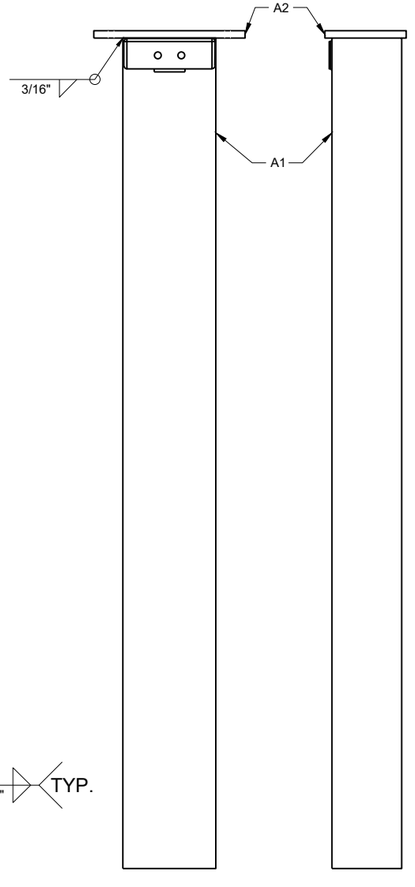
FOUNDATION TUBE (A1)



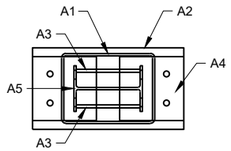
UPPER PLATE (A4)

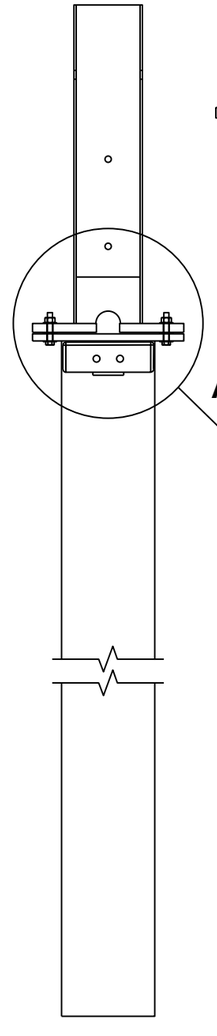


PLAN VIEW

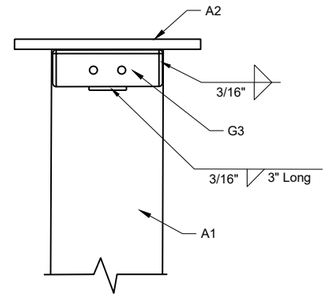


FRONT VIEW

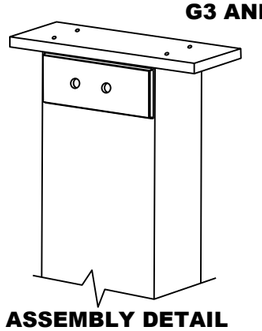




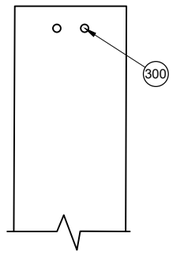
ASSEMBLED POST



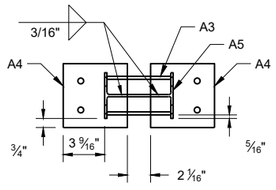
WELDING DETAIL
G3 AND A1



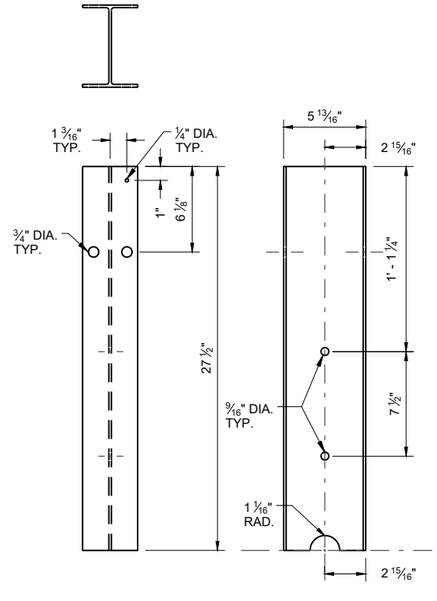
ASSEMBLY DETAIL
ISOMETRIC



A1

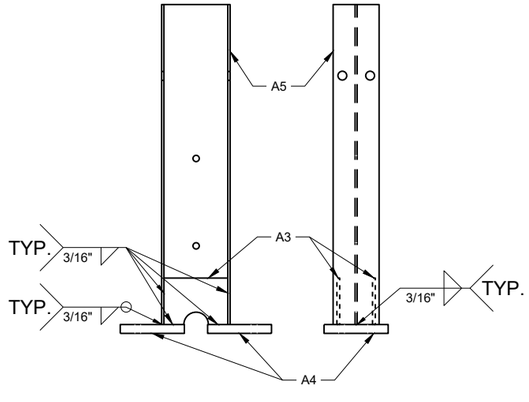


PLAN VIEW



FRONT VIEW SIDE VIEW

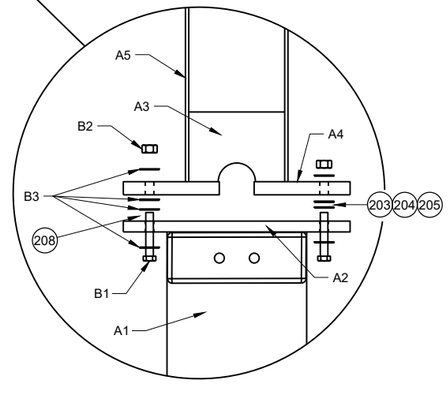
TYPE 2 POST (A5)



SIDE VIEW FRONT VIEW

UPPER POST ASSEMBLY

LOWER POST ASSEMBLY

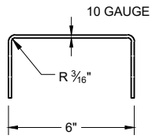


POST CONNECTION DETAIL

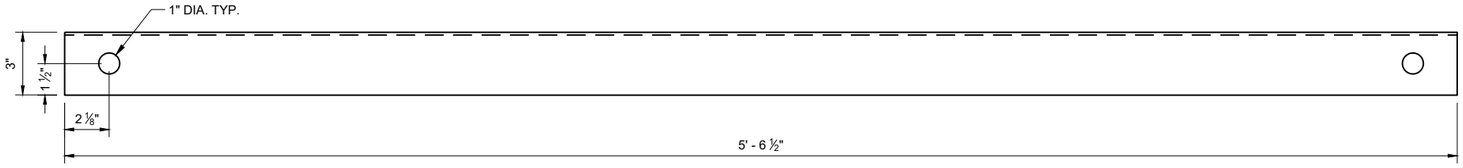
MIDWEST GUARDRAIL SYSTEM (MGS) TYPE 2 TERMINAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

SDD 14B47-06c

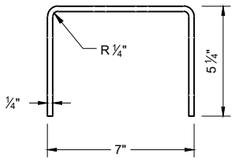


SIDE VIEW

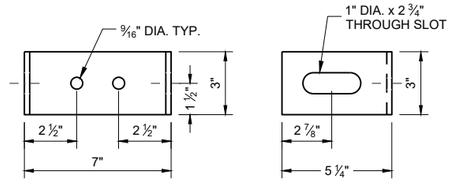


FRONT VIEW

GROUND STRUT CHANNEL (G1)

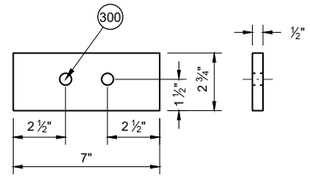


TOP VIEW

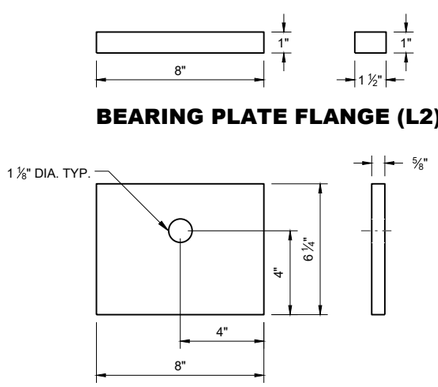


FRONT VIEW SIDE VIEW

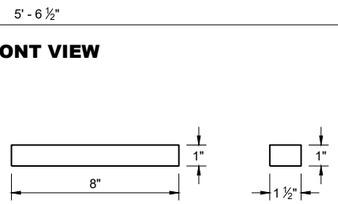
GROUND STRUT CONNECTOR (G2)



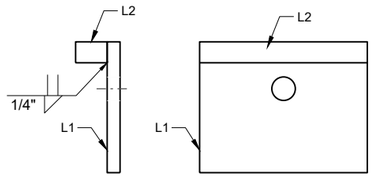
GROUND STRUT PLATE (G3)



BEARING PLATE (L1)

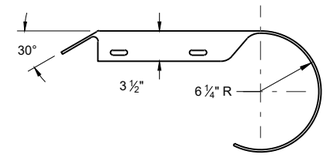


BEARING PLATE FLANGE (L2)

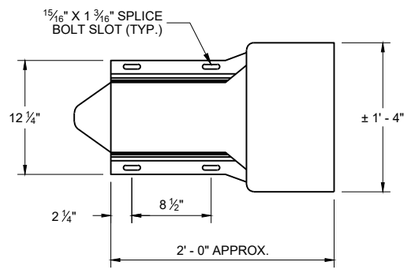


SIDE VIEW FRONT VIEW

BEARING PLATE ASSEMBLY

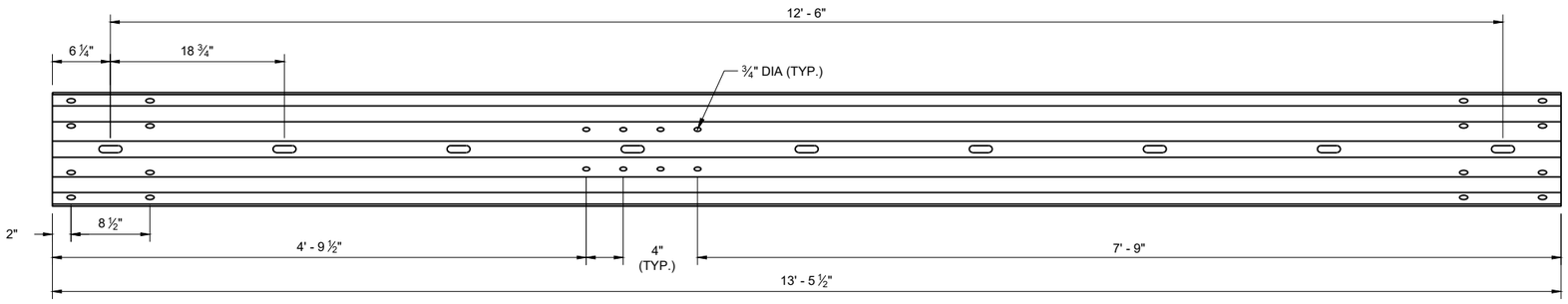


PLAN VIEW

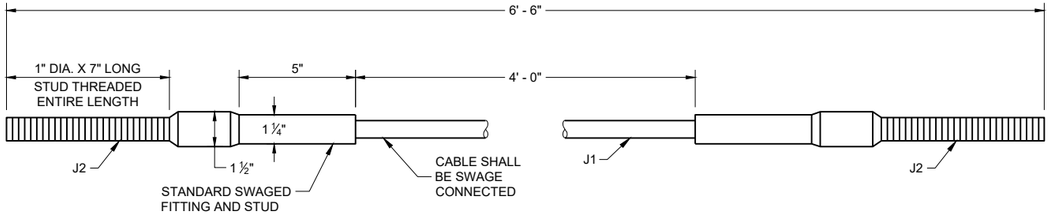


ELEVATION VIEW

ROUNDED BUFFER END (E3)



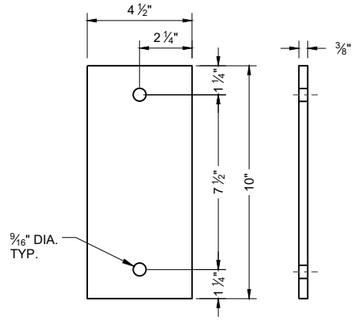
TYPE 2 GUARDRAIL (E1)



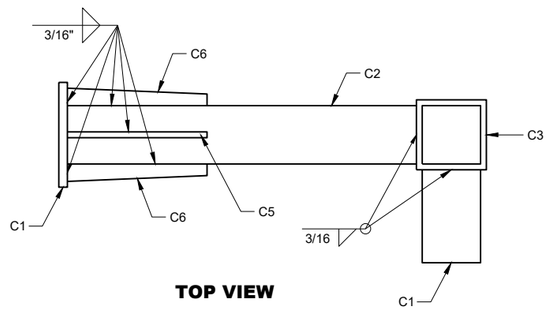
CABLE ASSEMBLY

MIDWEST GUARDRAIL SYSTEM (MGS) TYPE 2 TERMINAL

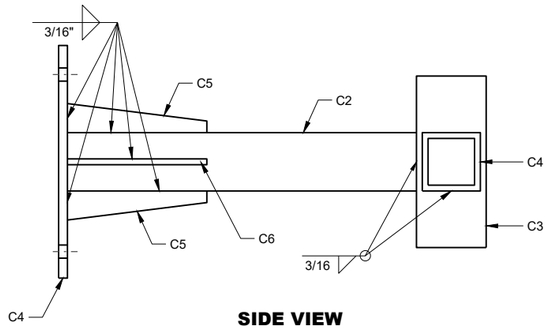
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



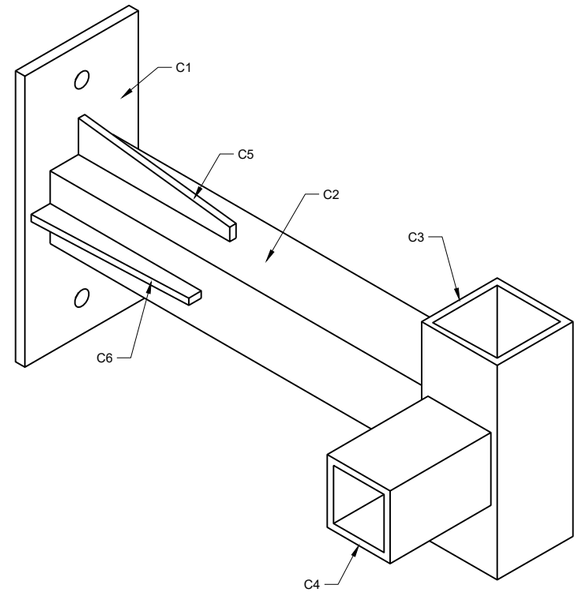
ARM PLATE (C1)



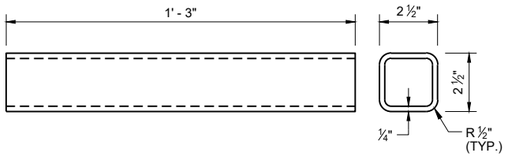
TOP VIEW
ARM ASSEMBLY



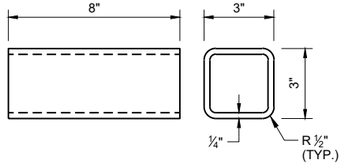
SIDE VIEW
ARM ASSEMBLY



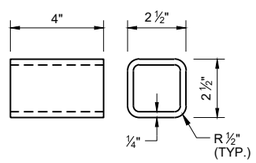
ISOMETRIC VIEW
ARM ASSEMBLY



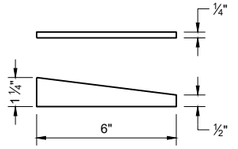
ARM TUBE 1 (C2)



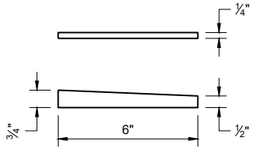
ARM TUBE 2 (C3)



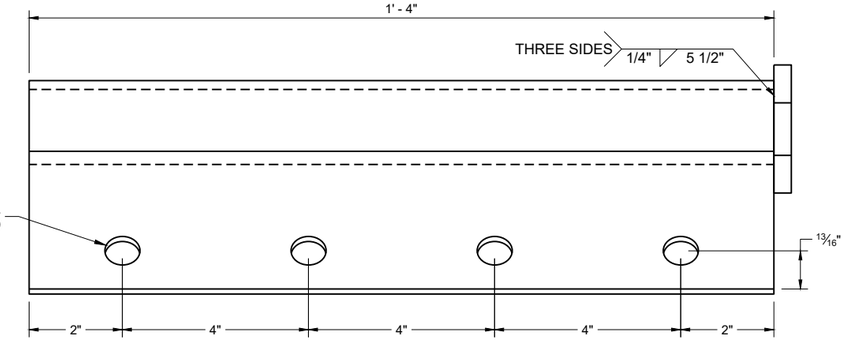
ARM TUBE 3 (C4)

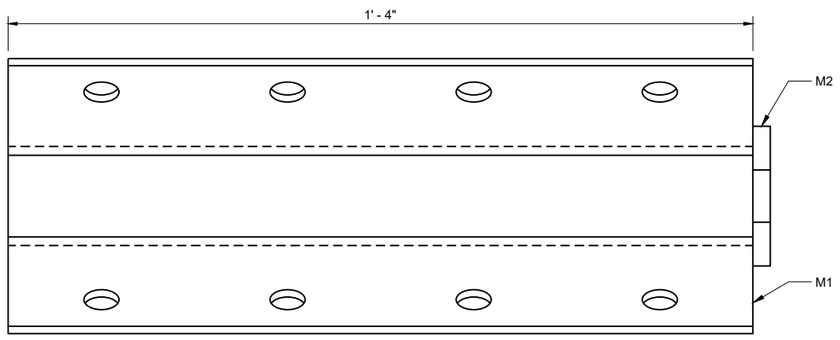


ARM GUSSET PLATE 1 (C5)

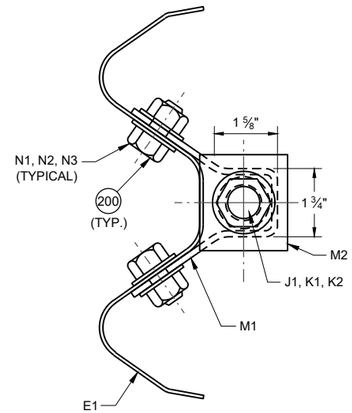


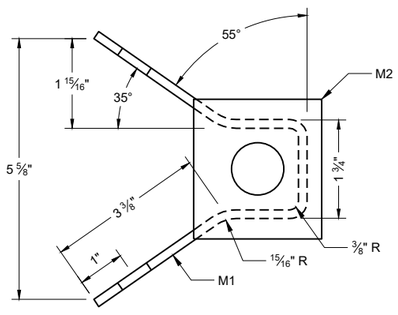
ARM GUSSET PLATE 2 (C6)

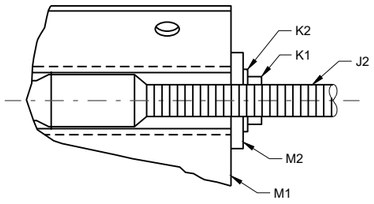




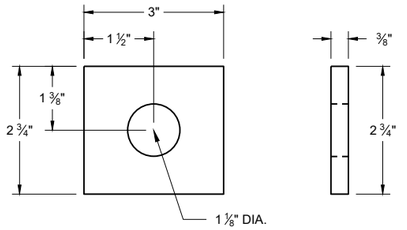
ANCHOR BRACKET (M1, M2)







SECTION A - A



ANCHOR BRACKET BEARING PLATE (M2)

MIDWEST GUARDRAIL SYSTEM (MGS) TYPE 2 TERMINAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

BILL OF MATERIALS - TYPE 2 TERMINAL (MGS)

PART	DESCRIPTION	MATERIALS SPECIFICATIONS	NOTES
A1	TYPE 2 FOUNDATION TUBE	AASHTO M111 / ASTM A123 ASTM A500 GRADE B OR ASTM A-501	TS 8" x 6" x 3/16"
A2	LOWER PLATE	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX STRENGTH 50 KSI, OR ASTM A709 MAX STRENGTH 50 KSI, OR ASTM A992 MAX STRENGTH 50 KSI	5/8" THICKNESS
A3	POST GUSSET	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX STRENGTH 50 KSI, OR ASTM A709 MAX STRENGTH 50 KSI, OR ASTM A992 MAX STRENGTH 50 KSI	1/4" THICKNESS
A4	UPPER PLATE	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX STRENGTH 50 KSI, OR ASTM A709 MAX STRENGTH 50 KSI, OR ASTM A992 MAX STRENGTH 50 KSI	3/4" THICKNESS
A5	TYPE 2 POST	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX STRENGTH 50 KSI, OR ASTM A709 MAX STRENGTH 50 KSI, OR ASTM A992 MAX STRENGTH 50 KSI, w6x9 or w6x8.5	
B1	BREAKAWAY BOLT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 50 TYPE 1 / ASTM B695 CLASS 50 TYPE 1 UNC HEAVY HEX HEAD ASTM F3125 GRADE A325 TYPE 1 HEAVY HEX HEAD OR SAE J429 GRADE 5 HEAVY HEX HEAD / ASTM A449 TYPE 1 HEAVY HEX HEAD. BOLTS MAY BE FULLY THREADED . PROVIDE ENOUGH THREADING FOR PROPER TIGHTENING OF BOLT.	7/16" DIA.
B2	BREAKAWAY BOLT WASHER	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 50 TYPE 1 / ASTM B695 CLASS 50 TYPE 1 F436 TYPE 1 (HARDEN WASHER ONLY)	7/16" DIA.
B3	BREAKAWAY BOLT NUT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 50 TYPE 1 / ASTM B695 CLASS 50 TYPE 1 UNC OVER TAP NUTS AS SPECIFIED IN AASHTO 291/ASTM A 563 HEAVY HEX HEAD ASTM A563DH OR SAE J995 GRADE 5	
C1	ARM ASSEMBLY PLATE	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX STRENGTH 50 KSI, OR ASTM A709 MAX STRENGTH 50 KSI, OR ASTM A992 MAX STRENGTH 50 KSI	3/8" THICKNESS
C2	ARM ASSEMBLY TUBE 1	AASHTO M111 / ASTM A123 ASTM A500 GRADE B OR ASTM A-501	TS 8" x 6" x 3/16"
C3	ARM ASSEMBLY TUBE 2	AASHTO M111 / ASTM A123 ASTM A500 GRADE B OR ASTM A-501	TS 3" x 3" x 1/4"
C4	ARM ASSEMBLY TUBE 3	AASHTO M111 / ASTM A123 ASTM A500 GRADE B OR ASTM A-501	TS 2 1/2" x 2 1/2" X 1/4"
C5	ARM ASSEMBLY GUSSET PLATE 1	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX STRENGTH 50 KSI, OR ASTM A709 MAX STRENGTH 50 KSI, OR ASTM A992 MAX STRENGTH 50 KSI	1/4" THICKNESS
C6	ARM ASSEMBLY GUSSET PLATE 2	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX STRENGTH 50 KSI, OR ASTM A709 MAX STRENGTH 50 KSI, OR ASTM A992 MAX STRENGTH 50 KSI	1/4" THICKNESS
D1	ARM ASSEMBLY BOLT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 50 TYPE 1 / ASTM B695 CLASS 50 TYPE 1 UNC HEAVY HEX HEAD ASTM A307 GRADE B OR SAE J429 GRADE 2 OR ASTM F1554 GRADE 36	1/2" DIA.
D2	ARM ASSEMBLY WASHER	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 50 TYPE 1 / ASTM B695 CLASS 50 TYPE 1 F436 TYPE 1 (HARDEN WASHER ONLY)	1/2" DIA.
D3	ARM ASSEMBLY NUT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 50 TYPE 1 / ASTM B695 CLASS 50 TYPE 1 UNC OVER TAP NUTS AS SPECIFIED IN AASHTO 291 / ASTM A 563 HEAVY HEX HEAD ASTM A563DH OR SAE J995 GRADE 5	1/2" DIA.
E1	TYPE 2 GUARD RAIL	AASHTO M180 CLASS A TYPE 2 12 GAUGE APPROVED PRODUCER	
E2	BEAM GUARD RAIL	AASHTO M180 CLASS A TYPE 2 12 GAUGE APPROVED PRODUCER	
E3	BEAM GUARD ROUNDED BUFFER END	AASHTO M180 CLASS A TYPE 2 12 GAUGE APPROVED PRODUCER	
F1	POST BOLT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 50 TYPE 1 / ASTM B695 CLASS 50 TYPE 1 UNC UNC HEAVY HEX HEAD ASTM A307 GRADE B OR SAE J429 GRADE 2 OR ASTM F1554 GRADE 36	5/8" DIA.
F2	POST BOLT WASHER	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 50 TYPE 1 / ASTM B695 CLASS 50 TYPE 1 F436 TYPE 1 (HARDEN WASHER ONLY)	5/8" DIA.
F3	POST BOLT NUT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 50 TYPE 1 / ASTM B695 CLASS 50 TYPE 1 UNC OVER TAP NUTS AS SPECIFIED IN AASHTO 291/ASTM A 563 AASHTO M180 RECESSED HEAVY HEX HEAD ASTM A563DH OR SAE J995 GRADE 5	
G1	GROUND STRUT CHANNEL	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX STRENGTH 50 KSI, OR ASTM A709 MAX STRENGTH 50 KSI, OR ASTM A992 MAX STRENGTH 50 KSI	1/2" x 11 3/4" x 10 GAUGE
G2	GROUND STRUT CONNECTOR	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX STRENGTH 50 KSI, OR ASTM A709 MAX STRENGTH 50 KSI, OR ASTM A992 MAX STRENGTH 50 KSI	1/4" THICKNESS
G3	GROUND STRUT PLATE	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX STRENGTH 50 KSI, OR ASTM A709 MAX STRENGTH 50 KSI, OR ASTM A992 MAX STRENGTH 50 KSI	1/2" THICKNESS

MIDWEST GUARDRAIL SYSTEM (MGS) TYPE 2 TERMINAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 14B47-06f

BILL OF MATERIALS - TYPE 2 TERMINAL (MGS)

PART	DESCRIPTION	MATERIALS SPECIFICATIONS	NOTES
H1	GROUND STRUT BOLT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 50 TYPE 1 / ASTM B695 CLASS 50 TYPE 1 UNC HEAVY HEX HEAD ASTM A307 GRADE B OR SAE J429 GRADE 2 OR ASTM F1554 GRADE 36	7/8" DIA.
H2	GROUND STRUT BOLT WASHER	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 50 TYPE 1/ ASTM B695 CLASS 50 TYPE 1 F436 TYPE 1 (HARDEN WASHER ONLY)	7/8" DIA.
H3	GROUND STRUT BOLT NUT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 50 TYPE 1 / ASTM B695 CLASS 50 TYPE 1 UNC HEAVY HEX HEAD 5/8" ASTM A307 GRADE B OR SAE J429 GRADE 2 OR ASTM F1554 GRADE 36	
J1	BCT CABLE	AASHTO M30 / ASTM A741 6 x 19 INDEPENDENT WIRE CORE (IWRC) IMPROVED PLOW STEEL (IPS), 6 x 19 INDEPENDENT WIRE CORE (IWRC) IMPROVED PLOW STEEL (IPS) TYPE II OR IIC, CLASS C ZINC COATED MIN. BREAKING STRENGTH OF 42.7 KIPS	3/4" DIA.
J2	BCT CABLE	UNC 1" ASTM A576 GRADE 1035 SWAGE FITTINGS ARE TO BE FACTORY SWEDGED. MIN BREAKING STRENGTH OF 42.7 KIPS ASME B30.26 "FORGED, CAST, OR DIE STAMPED WITH THE FOLLOWING IN TO CONNECTION: NAME OF MANUFACTURE OR TRADEMARK OF CONNECTION'S MANUFACTURER, SIZE OR RATED LOAD, GRADE FOR ALLOY EYEBOLTS."	
K1	CABLE ASSEMBLY NUT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 50 TYPE 1 / ASTM B695 CLASS 50 TYPE 1 UNC OVER TAP NUTS AS SPECIFIED IN AASHTO 291 / ASTM A 563 HEAVY HEX HEAD ASTM A563DH OR SAE J995 GRADE 5	1" DIA.
K2	CABLE ASSEMBLY WASHER	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 50 TYPE 1	1" DIA.
L1	BEARING PLATE	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX STRENGTH 50 KSI, OR ASTM A709 MAX STRENGTH 50 KSI, OR ASTM A992 MAX STRENGTH 50 KSI	5/8" THICKNESS
L2	BEARING PLATE FLANGE	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX STRENGTH 50 KSI, OR ASTM A709 MAX STRENGTH 50 KSI, OR ASTM A992 MAX STRENGTH 50 KSI	1" THICKNESS
M1	BEAM GUARD ANCHOR BRACKET	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX STRENGTH 50 KSI, OR ASTM A709 MAX STRENGTH 50 KSI, OR ASTM A992 MAX STRENGTH 50 KSI	
M2	BEAM GUARD ANCHOR END PLATE	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX STRENGTH 50 KSI, OR ASTM A709 MAX STRENGTH 50 KSI, OR ASTM A992 MAX STRENGTH 50 KSI	3/8" THICKNESS
N1	ANCHOR BRACKET BOLT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 50 TYPE 1 / ASTM B695 CLASS 50 TYPE 1 UNC AASHTO M180 HEAD ASTM A307 GRADE B OR SAE J429 GRADE 2 OR ASTM F1554 GRADE 36	5/8" DIA.
N2	ANCHOR BRACKET BOLT WASHER	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 50 TYPE 1/ ASTM B695 CLASS 50 TYPE 1 F436 TYPE 1 (HARDEN WASHER ONLY)	5/8" DIA.
N3	ANCHOR BRACKET BOLT NUT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 50 TYPE 1 / ASTM B695 CLASS 50 TYPE 1 UNC OVER TAP NUTS AS SPECIFIED IN AASHTO 291 /ASTM A 563 HEAVY HEX HEAD ASTM A563DH OR SAE J995 GRADE 5	
P1	FOUNDATION TUBE BOLT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 50 TYPE 1/ ASTM B695 CLASS 50 TYPE 1 UNC OVER TAP NUTS AS SPECIFIED IN AASHTO 291 / ASTM A 563 HEAVY HEX HEAD ASTM A563DH OR SAE J995 GRADE 5	1/2" DIA.
Q1	SPLICE BOLT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 50 TYPE 1 / ASTM B695 CLASS 50 TYPE 1 UNC AASHTO M180 HEAD ASTM A307 GRADE B OR SAE J429 GRADE 2 OR ASTM F1554 GRADE 36	
Q2	SPLICE NUT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 50 TYPE 1 / ASTM B695 CLASS 50 TYPE 1 UNC OVER TAP NUTS AS SPECIFIED IN AASHTO 291 / ASTM A 563 AASHTO M180 RECESSED HEAVY HEX HEAD ASTM A563DH OR SAE J995 GRADE 5	5/8" DIA.

6

SDD 14B47-06g

MIDWEST GUARDRAIL SYSTEM (MGS) TYPE 2 TERMINAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

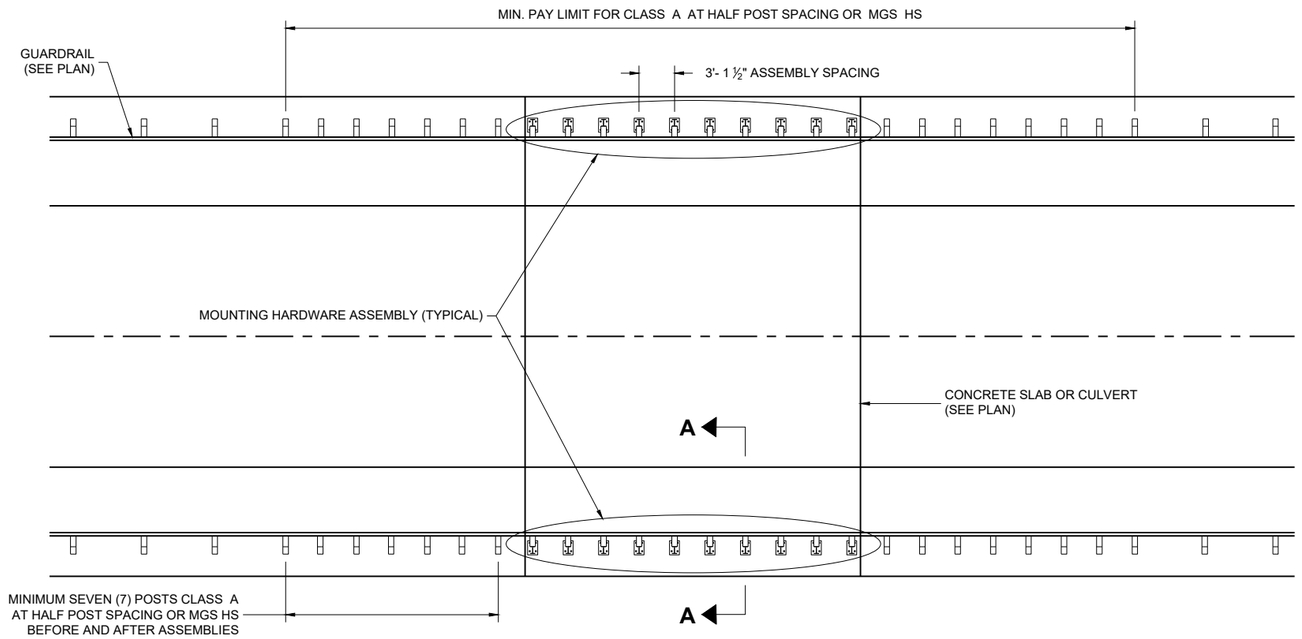
APPROVED
December 2024
DATE

/S/ Rodney Taylor
ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR

FHWA

6

SDD 14B47-06g



PLAN VIEW

GENERAL NOTES

HOLES DRILLED INTO CONCRETE SLAB OR CULVERT ARE 1 ⅛" DIAMETER.

POST BASE PLATE (AND BOTTOM PLATES IF USED) SHALL BE FLAT WITH ALL SURFACES SMOOTH, AND FREE FROM WARP AND ALL EDGES SMOOTH, STRAIGHT AND VERTICAL. ALL PLATE CUTS SHALL BE MACHINE OR MACHINE FLAME CUTS. CUT BOTTOM OF POST SO THAT POST WILL BE VERTICAL WHEN POST ASSEMBLY IS PLACED ON TOP OF CONCRETE. HEX BOLTS AND THREADED RODS ARE TO BE PLACED PERPENDICULAR TO THE BASE PLATE.

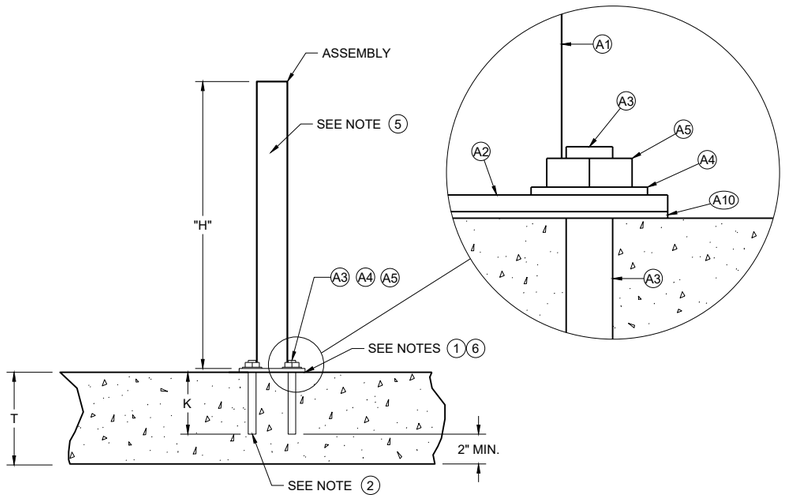
"H" DIMENSION WILL VARY. SEE PLAN FOR "H" DIMENSION. CONTRACTOR HAS OPTION OF INSTALLING POSTS THAT ARE TALLER THAN "H" DIMENSION AND CUT POSTS TO PROPER "H" DIMENSION IN THE FIELD. IF ELECTING TO FIELD CUT POSTS, DRILL HOLES AT APPROPRIATE LOCATIONS AND APPLY GALVANIZATION.

GALVANIZE STEEL COMPONENTS AFTER FABRICATION PER SECTION 614 OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS.

INSTALL 1 NUT AND 1 WASHER WHERE APPLICABLE. PROVIDE SUFFICIENT LENGTH OF BOLT OR THREADED ROD TO ALLOW FOR ¼" TO ½" OF THREAD TO BEYOND THE NUT.

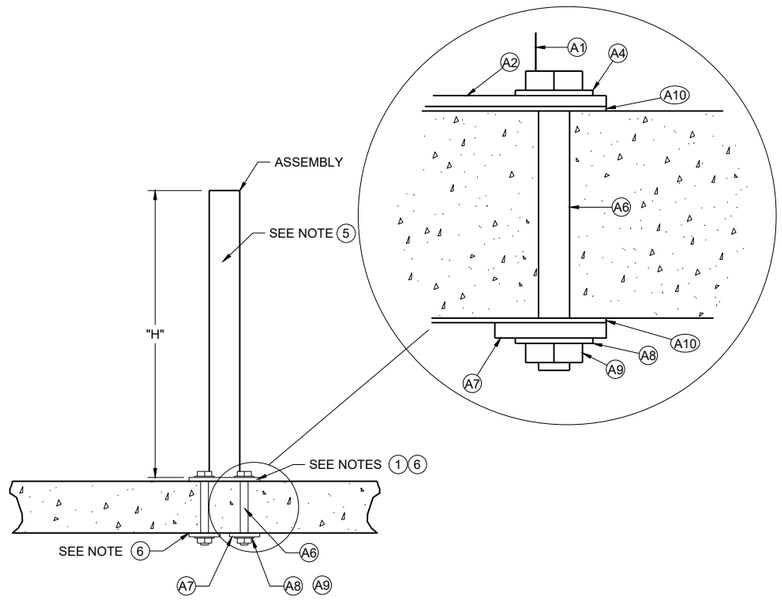
1. FILL BOLT SLOT OPENINGS IN POST SHIMS AND PLATE A2 WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER. CAULK AROUND PERIMETER OF A2 WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER.
2. BOND STRENGTH OF ADHESIVE IS 1,305 PSI OR GREATER WITH A MINIMUM EMBEDMENT DEPTH OF 8-INCHES. IF MINIMUM EMBEDMENT CANNOT BE ACHIEVED, BOLT THROUGH STRUCTURE.
3. USE GAS-METAL ARC WELDING (GMAW) PROCESS WITH ER70S-3 WELDING WIRE AND ARGON-OXYGEN OR CO_2 COVER GAS.
4. OTHER COMPONENT OF BARRIER SYSTEM NOT SHOWN. SEE SDD 14B15 OR SDD 14B42 FOR MORE DETAILS.
5. HOLES TO MOUNT BEAM GUARD AND BLOCK NOT SHOWN ON DRAWINGS. SEE SDD 14B15 OR SDD 14B42 FOR MORE DETAILS.
6. ADD AND ADJUST SHIM PLATES AS NECESSARY TO INSTALL POST PLUMB. SEE (A10) FOR DETAIL.

Concrete Strength (f'c) PSI	"T" Inch	Min. "K" Inch
3,500	11 ≤	9
4,000	10 ≤	8



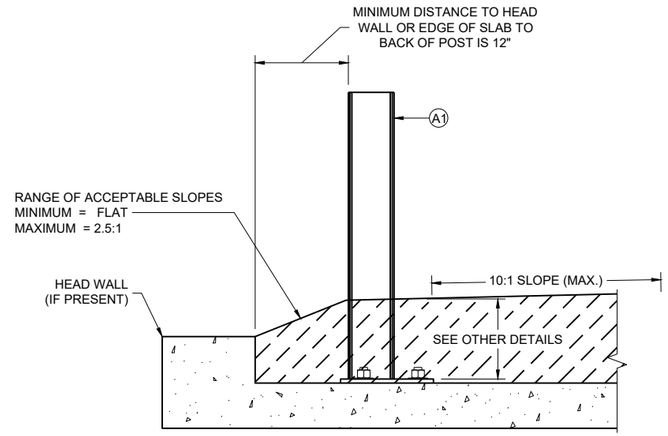
ADHESIVE ANCHOR DETAIL

SEE NOTE 4



BOLT THROUGH DETAIL

SEE NOTE 4



SECTION A - A

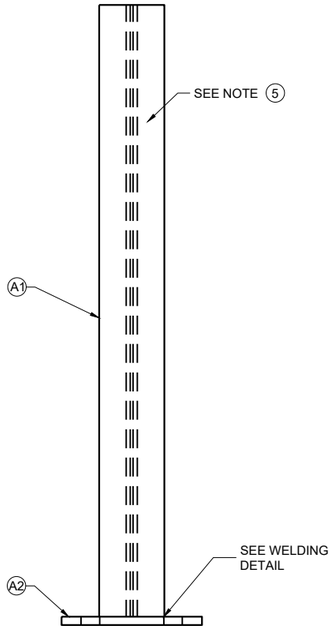
SEE NOTE 4

ANCHOR POST ASSEMBLY TOP MOUNTED

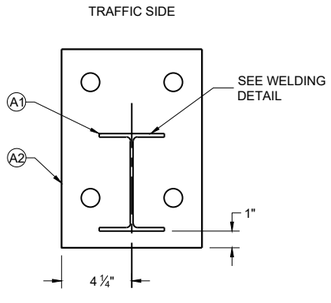
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

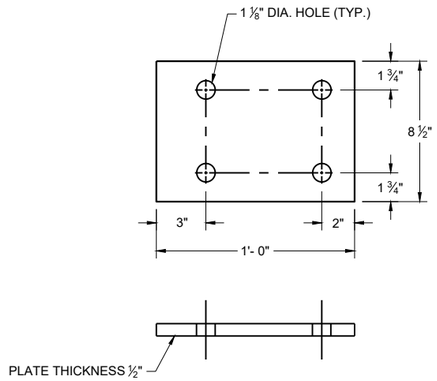
SDD 14B51-04a



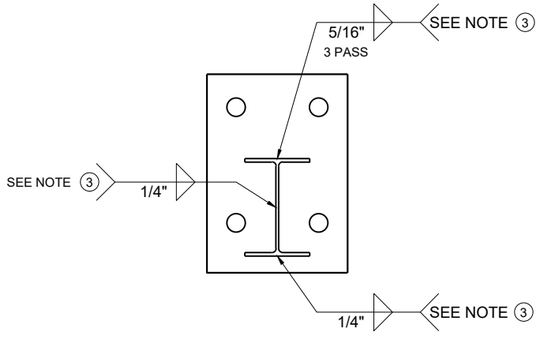
PROFILE VIEW
POST ASSEMBLY



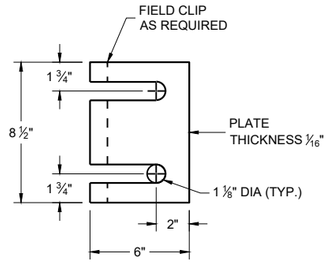
PLAN VIEW
POST ASSEMBLY



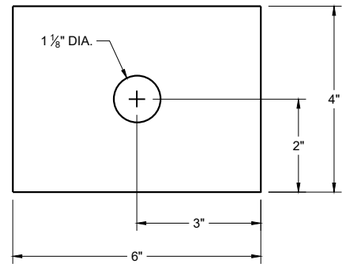
(A2) STEEL BASE PLATE



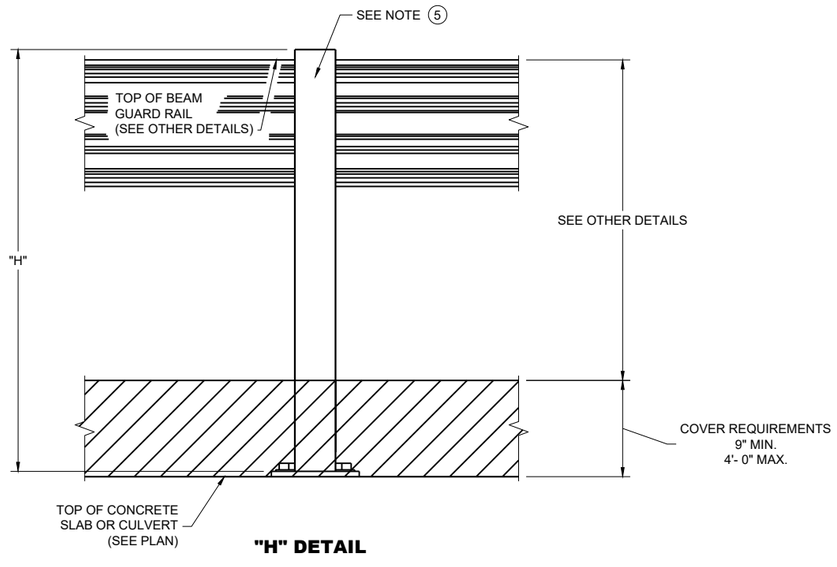
POST ASSEMBLY
WELDING DETAIL



(A10) SHIM PLATE



(A7) PLATE WASHER



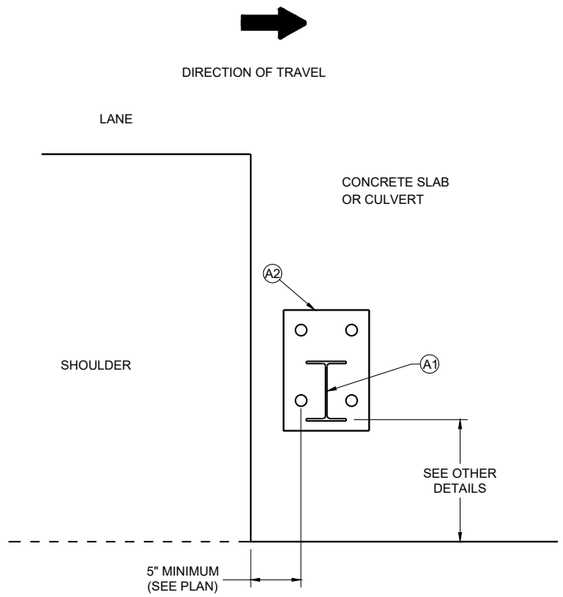
"H" DETAIL

SEE NOTE (4)

ANCHOR POST ASSEMBLY TOP MOUNTED

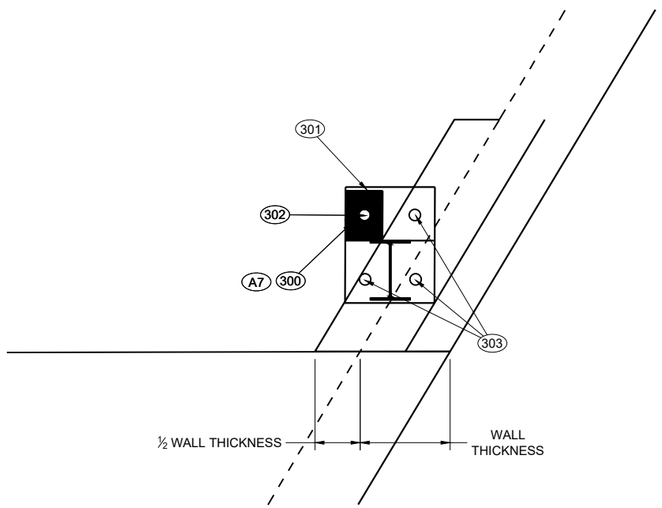
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6
SDD 14B51-04b



EDGE PLACEMENT

SEE NOTE (4)



TOP MOUNT OPTION NEAR EDGE OF SLAB

BILL OF MATERIALS LIST

ITEM	DESCRIPTION	MATERIAL SPECIFICATIONS	NOTES
(A1)	W6x9 or W6x8.5	ASTM A992 50 KSI MIN., ASTM A709 GRADE 50, OR ASTM A36	SEE SDD 14B15 OR 14B42 LENGTH WILL VARY
(A2)	STEEL BASE PLATE	ASTM A992 50 KSI MIN., ASTM A529 GRADE 50, ASTM A572 GRADE 50, OR ASTM A36	
(A3)	1" DIA. THREADED ROD	SAE J429 GRADE 2, OR ASTM F1554 GRADE 55	LENGTH WILL VARY
(A4)	1" DIA. FLAT WASHER	ASTM F844	
(A5)	1" HEX NUT	ASTM A563A	
(A6)	1" DIA. HEX BOLT	ASTM A307	LENGTH WILL VARY
(A7)	PLATE WASHER	ASTM A992 50 KSI MIN., ASTM A529 GRADE 50, ASTM A572 GRADE 50, OR ASTM A36	¼" THICKNESS
(A8)	1" DIA. FLAT WASHER	ASTM F844	
(A9)	1" DIA. HEX NUT	ASTM A563A	
(A10)	SHIM PLATE	SEE (A2)	4 MAX PER POST

NOTES

(300) Plate washer installed on underside of slab or culvert

(301) Top plate assembly on top of slab or culvert

(302) Bolt through option allowed

(303) Adhesive Anchors

ANCHOR POST ASSEMBLY TOP MOUNTED

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
December 2024
DATE

/S/ Rodney Taylor
WORK ZONE ENGINFFR

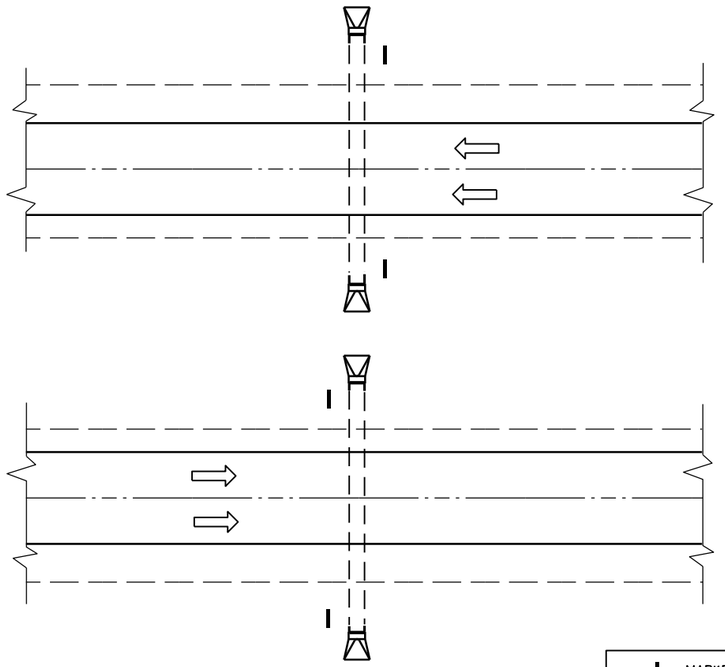
FHWA

6

SDD 14B51-04c

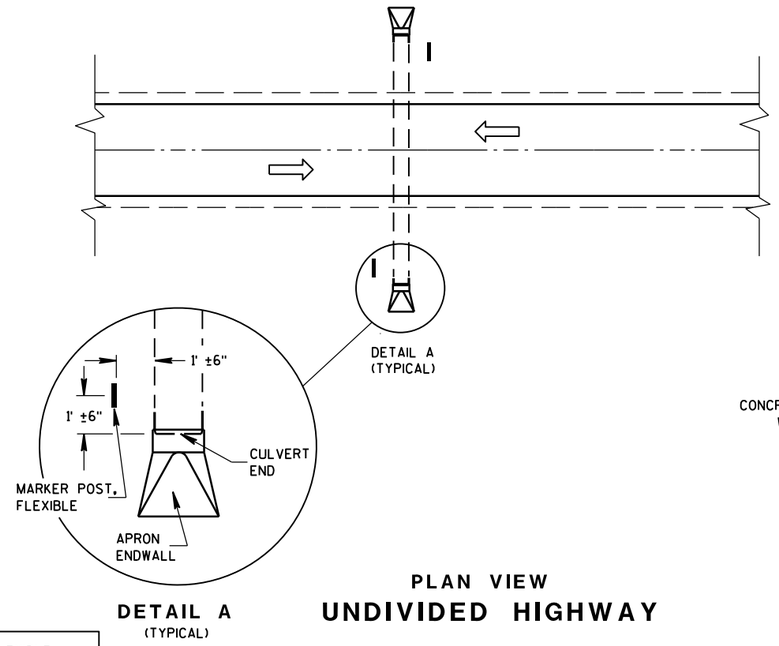
6

SDD 14B51-04c



PLAN VIEW

DIVIDED HIGHWAY



DETAIL A
(TYPICAL)

PLAN VIEW

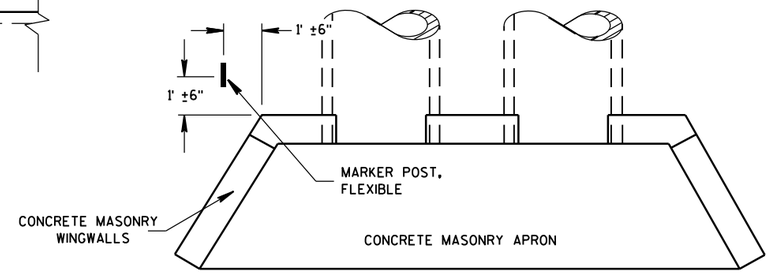
UNDIVIDED HIGHWAY

MARKER POST, FLEXIBLE

DIRECTION OF TRAFFIC FLOW

GENERAL NOTES

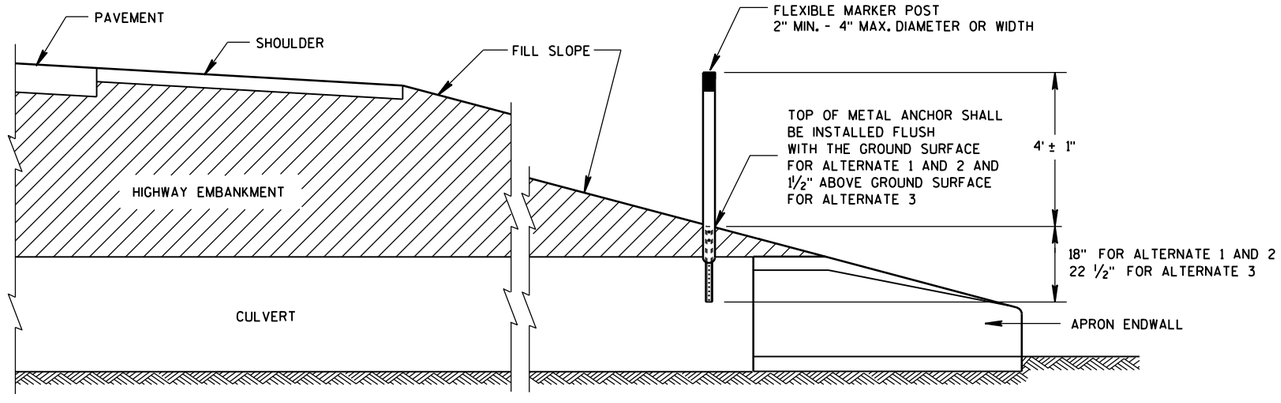
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.



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

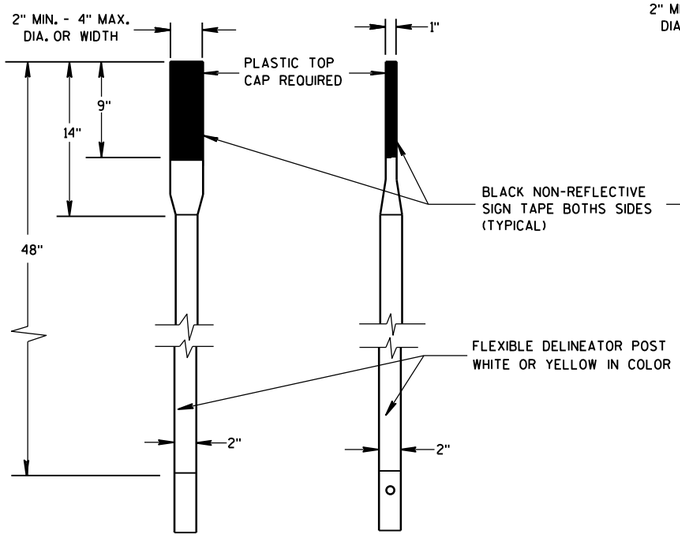
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

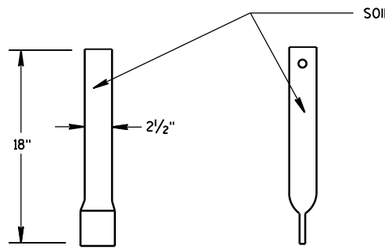
6

S.D.D. 15 A 3-2a

6

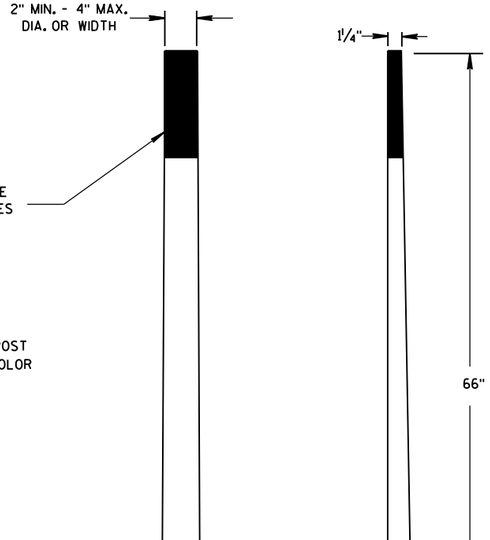
S.D.D. 15 A 3-2a





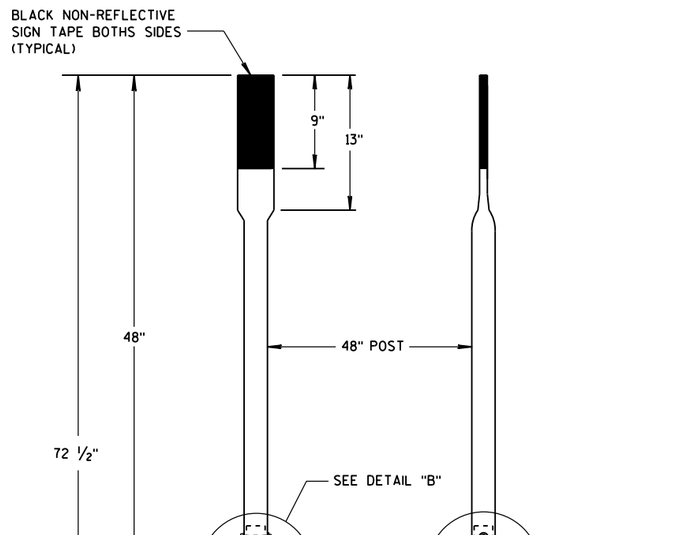
FRONT VIEW SIDE VIEW

ALTERNATE 1



FRONT VIEW SIDE VIEW

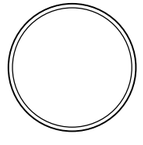
ALTERNATE 2



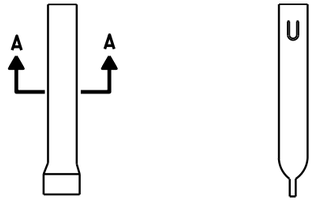
FRONT VIEW SIDE VIEW

ALTERNATE 3

FLEXIBLE MARKER POSTS

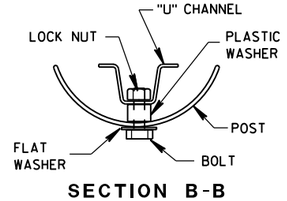


SECTION A-A

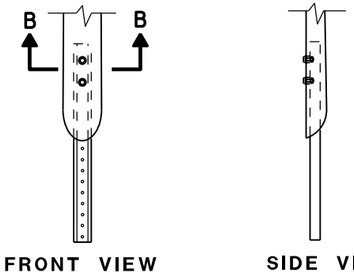


FRONT VIEW SIDE VIEW

ALTERNATE 1

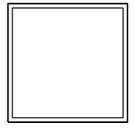


SECTION B-B

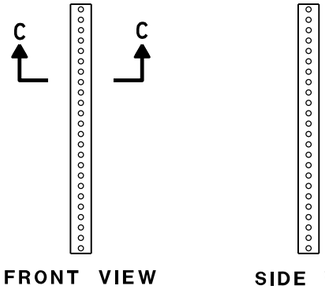


FRONT VIEW SIDE VIEW

ALTERNATE 2



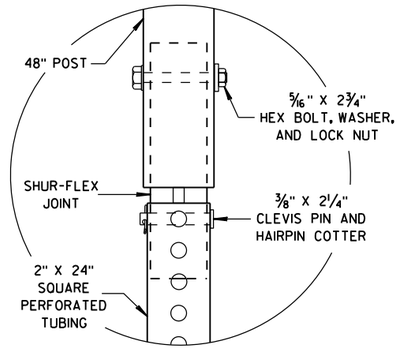
SECTION C-C



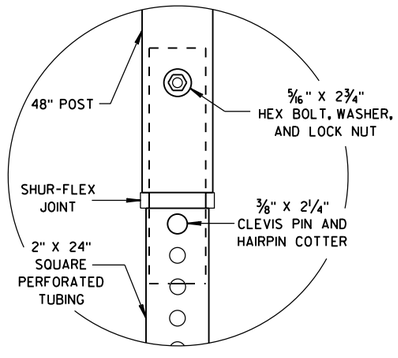
FRONT VIEW SIDE VIEW

ALTERNATE 3

FLEXIBLE MARKER POST ANCHORS



DETAIL B



DETAIL C

FLEXIBLE MARKER POST
FOR CULVERT END

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

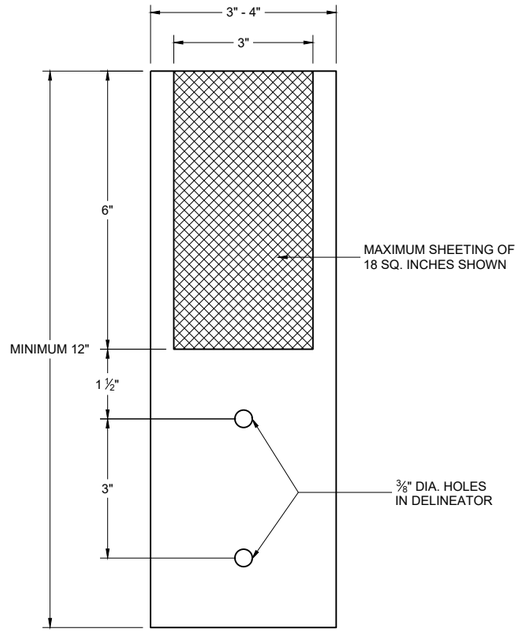
APPROVED
10/1/2012
DATE
/S/ Travis Feltes
STATE TRAFFIC ENGINEER
FHWA

6

S.D.D. 15 A 3-2b

6

S.D.D. 15 A 3-2b



4" x 12" DELINEATOR
WITH REFLECTIVE SHEETING

REFLECTOR SPACING TABLE

REFLECTOR SPACING	MINIMUM NUMBER OF REFLECTORS
100' C-C	3

DELINEATOR POST
WITH REFLECTIVE SHEETING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

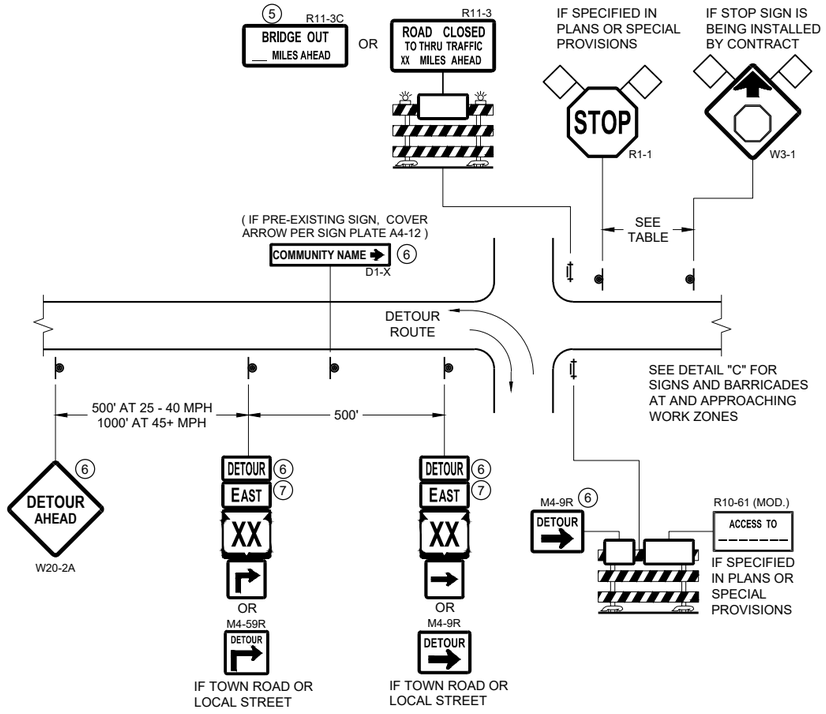
APPROVED
March 2024
DATE

/S/ Jeannie Silver
Statewide Pavement Marking Engineer

FHWA

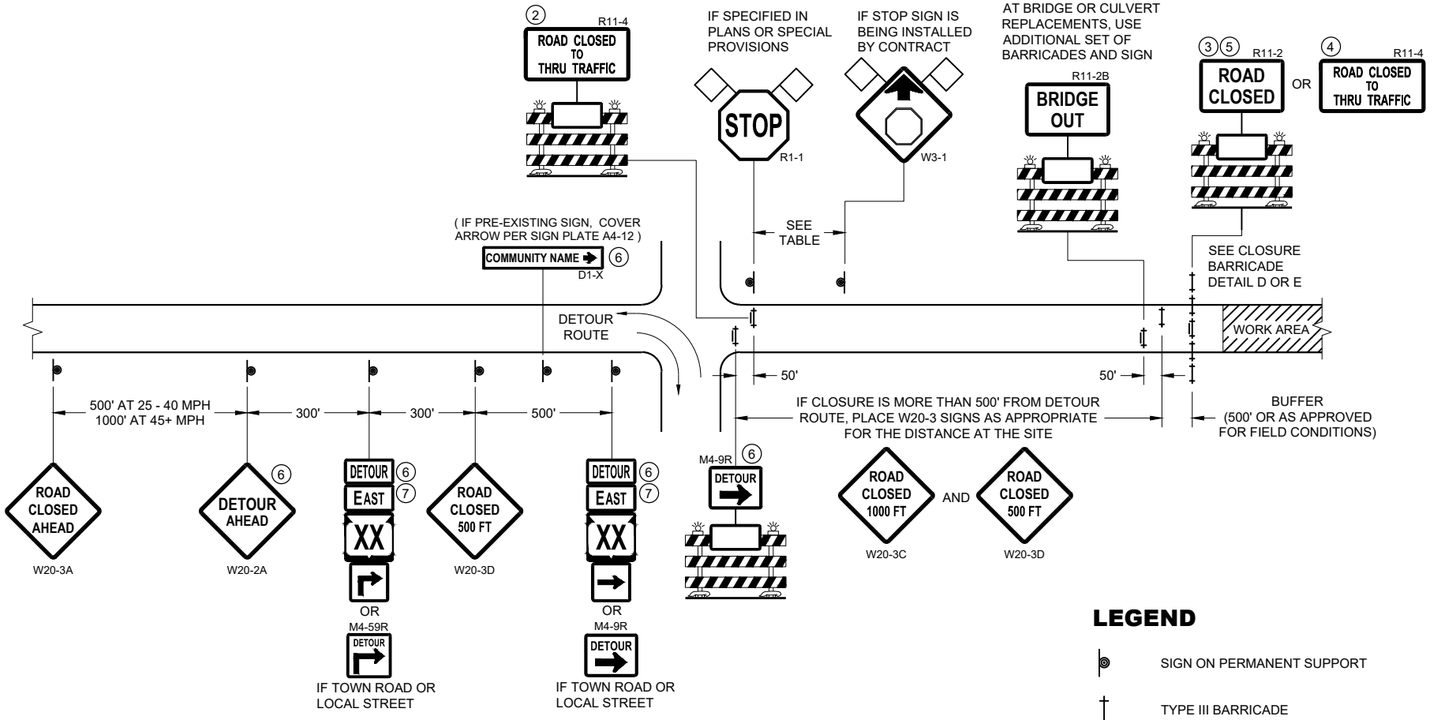
6

SDD 15A04-08e



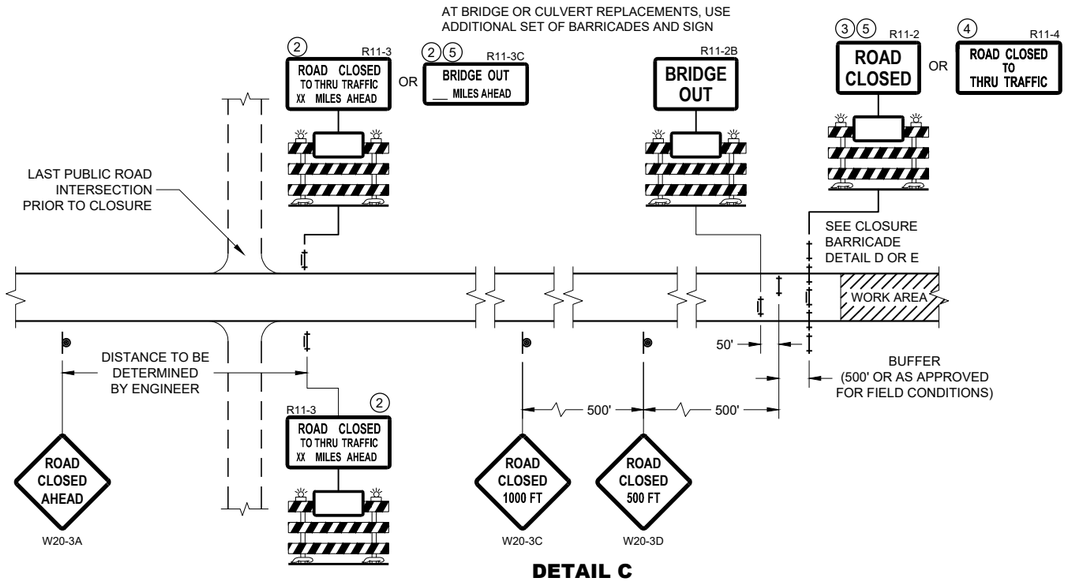
DETAIL A
MAINLINE CLOSURE WITH POSTED DETOUR

WORK ZONE GREATER THAN OR EQUAL TO ½ MILE FROM DETOUR ROUTE (1000 FEET IF URBAN)



DETAIL B
MAINLINE CLOSURE WITH POSTED DETOUR

WORK ZONE LESS THAN ½ MILE FROM DETOUR ROUTE (1000 FEET IF URBAN)



DETAIL C
MAINLINE CLOSURE, NO POSTED DETOUR

SPEED LIMIT (MPH)	"STOP AHEAD" ADVANCE WARNING DISTANCE (FT)
25	200
30	200
35	350
40	350
45	500
50	550
55	750

SEE SDD 15C2-SHEET "b"
FOR GENERAL NOTES
AND FOOTNOTES ① THROUGH ⑦

LEGEND

- SIGN ON PERMANENT SUPPORT
- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- WORK AREA
- FLAGS, 16" X 16" MIN. (ORANGE)
- DETOUR — M4 - 8
- EAST — M3 - X
- XX — M1 - 4 OR XX — M1 - 6 OR COUNTY X — M1 - 5A
- M05 - 1 OR M06 - 1

BARRICADES AND SIGNS FOR MAINLINE CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

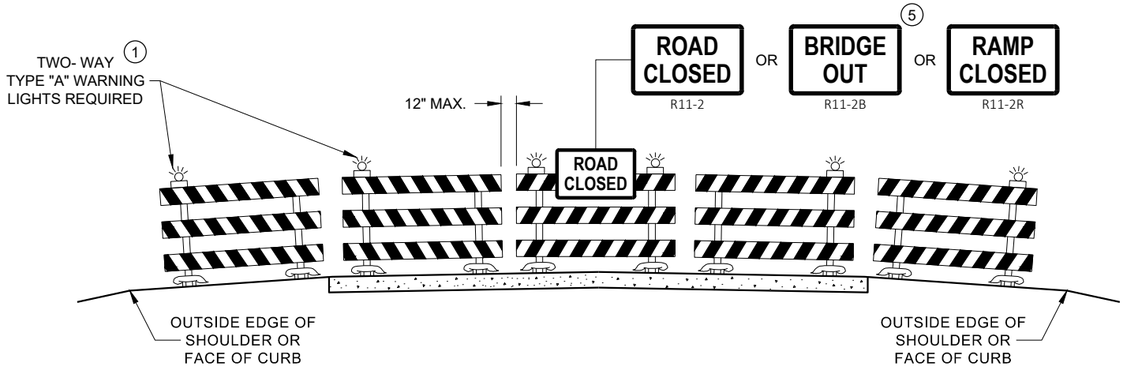
APPROVED
May 2023
DATE
/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

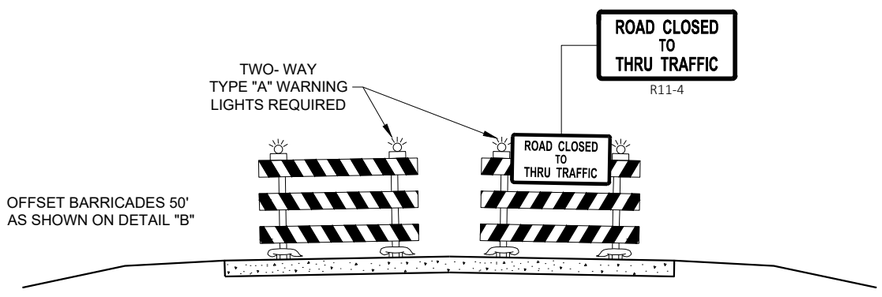
6

SDD 15C02 - 09a

SDD 15C02 - 09a



DETAIL D
ROAD CLOSURE BARRICADE DETAIL
APPROACH VIEW



DETAIL E
LANE CLOSURE BARRICADE DETAIL
APPROACH VIEW

SEE SDD 15C2 - SHEET "a" FOR LEGEND

GENERAL NOTES

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

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE", SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

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

BARRICADES THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY RE-ESTABLISHED UPON COMPLETION OF THE OPERATION, OR FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

ALL TYPE III BARRICADES SHALL HAVE RAILS REFLECTORIZED ON BOTH FACES. STRIPES SHALL BE PROPERLY SLOPED DOWN TOWARD THE TRAFFIC SIDE OR AS SHOWN IN THE ROAD CLOSURE BARRICADE DETAIL "D" FOR FULL ROAD CLOSURES.

TYPE "A" LOW - INTENSITY FLASHING WARNING LIGHTS SHALL BE VISIBLE ON BOTH SIDES OF THE BARRICADE.

THE R11 - 2, R11 - 3, M4 - 9, R11 - 4, AND R10 - 61 SIGNS PLACED ON THE BARRICADES SHALL COVER NO MORE THAN THE TOP RAIL. THE SIGNS SHALL NOT COVER ANY PORTION OF THE MIDDLE RAIL OR BOTTOM RAILS.

"WO" AND "MO" SIGNS ARE THE SAME AS "W" AND "M" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

ALL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED BELOW:
- R11 - 2 SHALL BE 48" X 30"
- R11 - 3 SHALL, R11 - 4 AND R10 - 61 SHALL BE 60 " X 30"
- M4 - 9 SHALL BE 30" X 24"
- M3 - X SHALL BE 24" X 12" (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS)
- M4 - 8 SHALL BE 24" X 12" (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS)
- M1 - 4, M1 - 5A AND M1 - 6 SHALL BE 24" X 24" (36" X 36" IF NEEDED TO MATCH EXISTING SIGNS)
- MO5 - 1 AND MO6 - 1 SHALL BE 21" X 21" (30" X 30" IF NEEDED TO MATCH EXISTING SIGNS)
- D1 - X SHALL BE AS SHOWN ON SPECIFIC PROJECT SIGNING DETAIL SHEETS.
- R1 - 1 SHALL BE 36" X 36"

(1) TWO WARNING LIGHTS SHALL BE PROVIDED ON THE CENTER BARRICADE AND A MINIMUM OF ONE WARNING LIGHT SHALL BE PROVIDED ON EACH OF THE OTHER BARRICADES WITHIN THE ROADWAY LIMITS. SPACING OF THE WARNING LIGHTS SHALL BE UNIFORM TO THE EDGE OF ROADWAY AS SHOWN (APPROX. 8 FOOT LIGHT SPACING.

(2) THESE SIGNS AND BARRICADES ARE NOT REQUIRED IF ROAD CLOSURE BEGINS AT AN INTERSECTION.

(3) FOR ROAD CLOSURE WITHOUT LOCAL ACCESS TO PROJECT, SEE ROAD CLOSURE BARRICADE DETAIL "D".

(4) FOR ROAD CLOSURE WITH LOCAL ACCESS TO PROJECT, SEE ROAD CLOSURE BARRICADE DETAIL "E".

(5) FOR BRIDGE OR CULVERT REPLACEMENTS, SUBSTITUTE "BRIDGE OUT" INSTEAD OF "ROAD CLOSED" ON R11 - 2 AND R11 - 3 SIGNS.

(6) INSTALL DETOUR AND COMMUNITY GUIDE SIGNS AND ARROWS ONLY IF SPECIFIED IN THE CONTRACT. IF THERE ARE EXISTING ROUTE MARKER ASSEMBLIES THAT WILL REMAIN IN PLACE, ADJUST THE LOCATION OF THE DETOUR ROUTE SIGNS TO CORRESPOND WITH THE EXISTING ASSEMBLIES. MODIFY EXISTING SIGNS WHERE POSSIBLE. SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS. IF DETOUR SIGNS ARE BEING INSTALLED BY OTHERS, PLACE THE CONTRACTED TRAFFIC CONTROL SIGNS TO ALLOW FOR PLACEMENT OF ALL WARNING, DETOUR AND GUIDE SIGNS AS SHOWN.

(7) "EAST" CARDINAL DIRECTION MARKERS AND RIGHT TURN ARROWS ARE SHOWN. USE OTHER CARDINAL DIRECTIONS AND ARROWS AS APPROPRIATE.

BARRICADES AND SIGNS FOR VARIOUS CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023
DATE
/S/ Andrew Heidtke
WORK ZONE ENGINEE
FHWA

6

SDD 15C02 - 09b

6

SDD 15C02 - 09b

THIS DRAWING PROVIDES GENERAL GUIDANCE ON TYPICAL DETOUR SIGN LAYOUT AND SPACING. SEE PROJECT DETOUR SIGNING SHEETS FOR SPECIFIC DETAILS FOR EACH PROJECT.

LEGEND

- SIGN ON PERMANENT SUPPORT
- WORK AREA
- DETOUR / EAST — M4 - 8, M3 - X
- XX — M1 - 4; OR XX — M1 - 6; OR COUNTY / X — M1 - 5A
- M05 - 1; OR M06 - 1; OR M06 - 1

GENERAL NOTES

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

IF THERE ARE EXISTING ROUTE MARKER ASSEMBLIES THAT WILL REMAIN IN PLACE, ADJUST THE LOCATION OF THE DETOUR ROUTE SIGNS TO CORRESPOND WITH THE EXISTING ASSEMBLIES. SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS. MODIFY EXISTING SIGNS WHERE POSSIBLE.

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

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

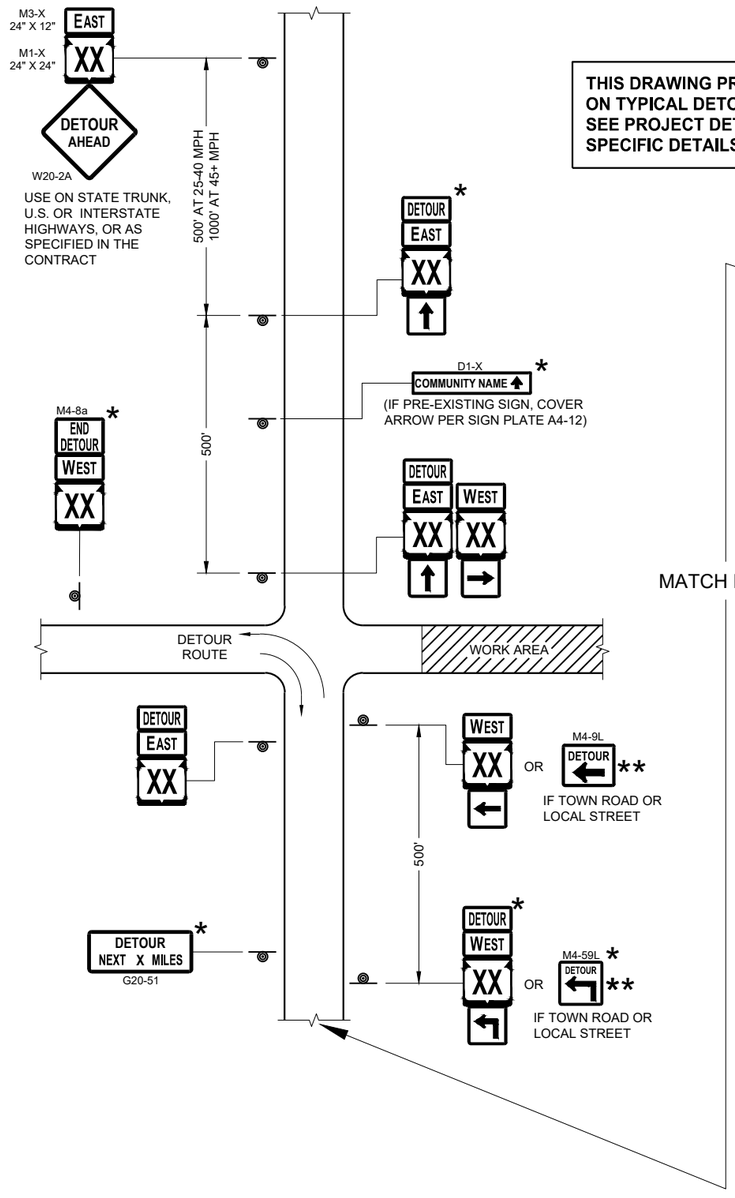
"MO" SIGNS ARE THE SAME AS "M" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

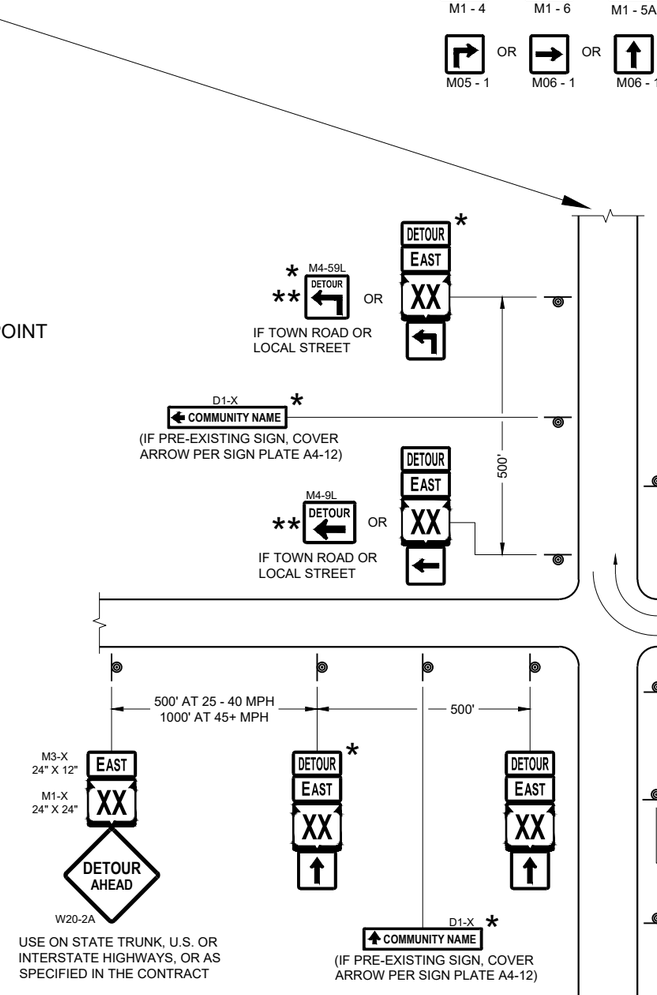
SIGN SIZES SHALL BE AS FOLLOWS:

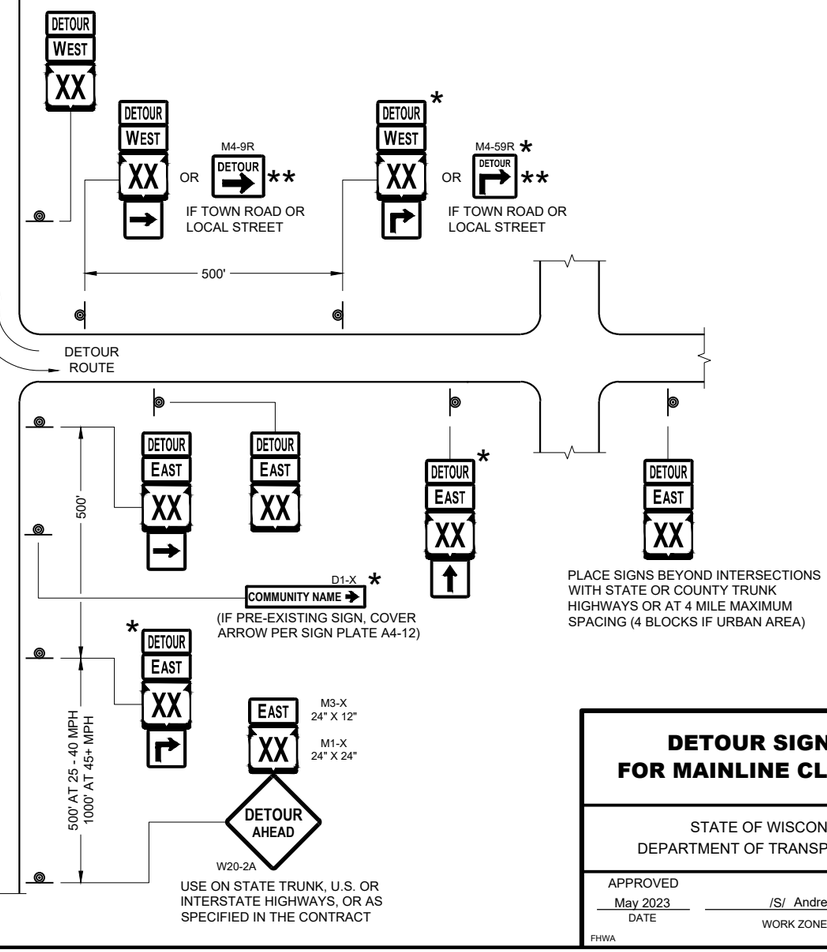
- M3-X SHALL BE 24" X 12" (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS)
- M4-8 SHALL BE 24" X 12" (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS)
- M1-4, M1-5A AND M1-6 SHALL BE 24" X 24" (36" X 36" IF NEEDED TO MATCH EXISTING SIGNS)
- M05-1 AND M06-1 SHALL BE 21" X 21" (30" X 30" IF NEEDED TO MATCH EXISTING SIGNS)
- M4-9 AND M4-59 SHALL BE 30" X 24"
- M4-8a SHALL BE 24" X 18"
- G20-51 SHALL BE 60" X 24"
- W20-2A SHALL BE 48" X 48"
- D1-X SHALL BE AS SHOWN ON SPECIFIC PROJECT SIGNING DETAIL SHEETS.

* OPTIONAL SIGNS. SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS.

** FOR A TOWN ROAD OR LOCAL STREET DETOURED ONTO A STATE TRUNK HIGHWAY, PLACE A ROAD NAME PLAQUE ABOVE THE M4-9 SIGN AS SPECIFIED IN THE CONTRACT.







SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS AND DETAIL A OR B ON SDD SHEET 15C02 - SHEET "a"

DETAIL F
DETOUR SIGNING

DETOUR SIGNING FOR MAINLINE CLOSURES

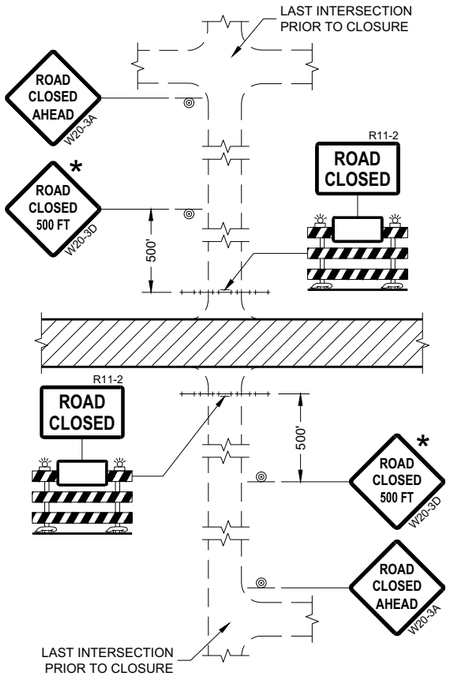
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023 — DATE
/S/ Andrew Heidtke — WORK ZONE ENGINEER

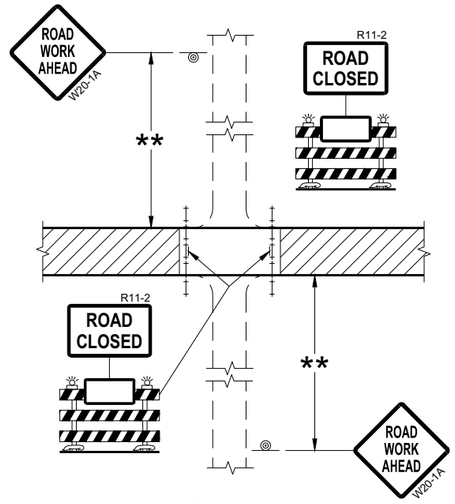
FHWA

6

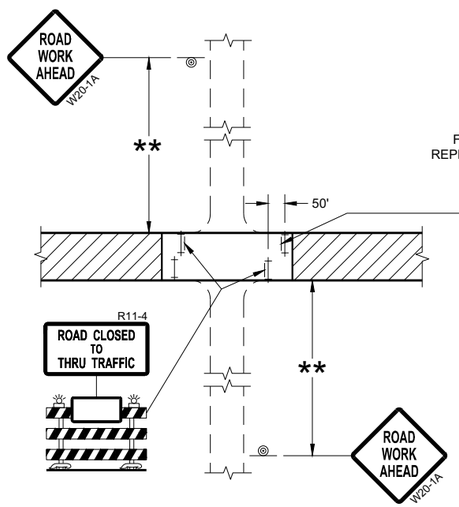
SDD 15C02 - 09c



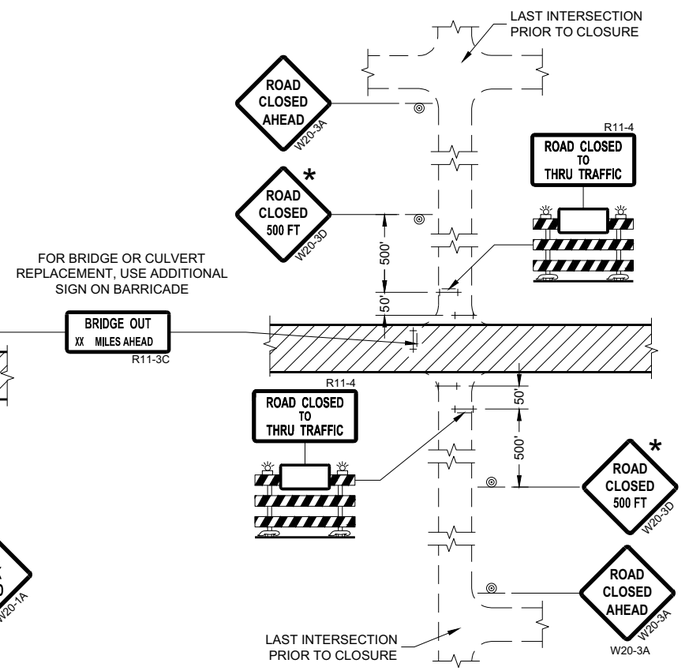
DETAIL 1
(NO ACCESS TO PROJECT)



DETAIL 2
(PUBLIC CROSS-TRAFFIC MAINTAINED.
NO ACCESS TO PROJECT)



DETAIL 3
(PUBLIC CROSS-TRAFFIC MAINTAINED.
CONTRACTOR, LOCAL BUSINESS AND
RESIDENT ACCESS TO PROJECT)



DETAIL 4
(CONTRACTOR, LOCAL BUSINESS AND
RESIDENT ACCESS TO PROJECT)

GENERAL NOTES

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

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

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

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

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

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

ALL TYPE III BARRICADES SHALL HAVE RAILS REFLECTORIZED ON BOTH FACES. STRIPES SHALL BE PROPERLY SLOPED DOWN TOWARD THE TRAFFIC SIDE OR AS SHOWN IN THE ROAD CLOSURE BARRICADE DETAIL "D" FOR FULL ROAD CLOSURES.

TYPE "A" LOW-INTENSITY FLASHING WARNING LIGHTS SHALL BE VISIBLE ON BOTH SIDES OF THE BARRICADE.

THE R11-2, R11-3, AND R11-4 SIGNS PLACED ON BARRICADES SHALL COVER NO MORE THAN THE TOP RAIL. THE SIGNS SHALL NOT COVER ANY PORTION OF THE MIDDLE OR BOTTOM RAILS.

ALL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED BELOW:
R11-2 SHALL BE 48" X 30".
R11-4 AND R11-3 SHALL BE 60" X 30".

* OMIT THE "ROAD CLOSED 500 FT." SIGN IF THE LAST INTERSECTION IS 500 FEET OR LESS FROM THE WORK ZONE.

** 500' MAX. OR AT LAST INTERSECTION, WHICHEVER IS CLOSEST.

LEGEND

- SIGN ON PERMANENT SUPPORT
- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- WORK AREA

BARRICADES AND SIGNS FOR SIDEROAD CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
July 2018
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

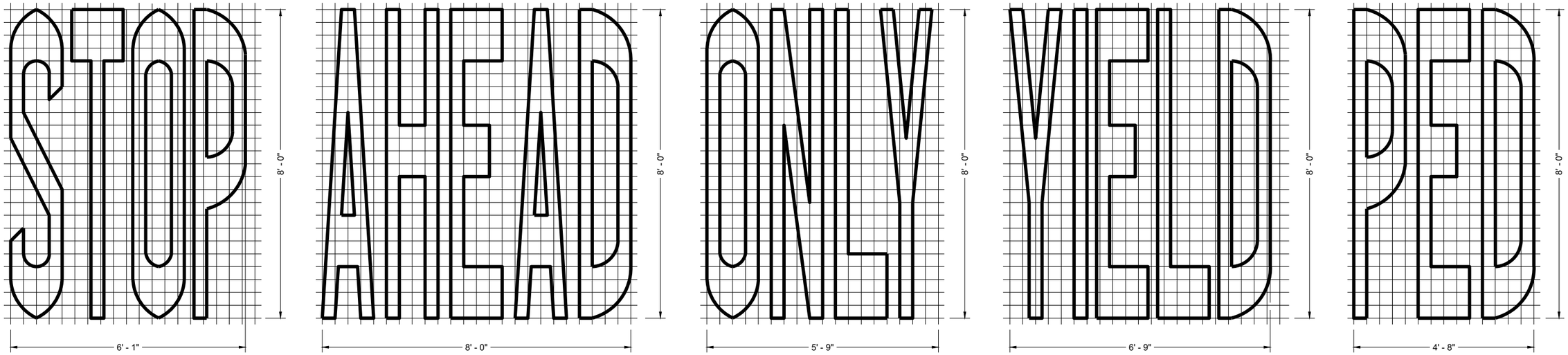
FHWA

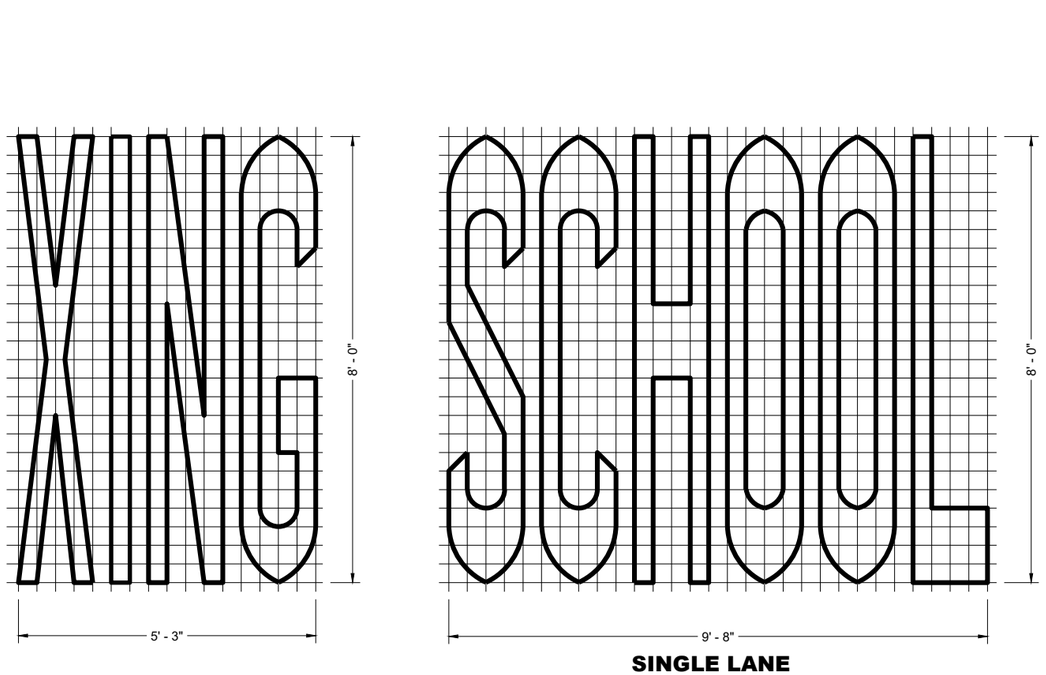
6

SDD 15C03 - 05

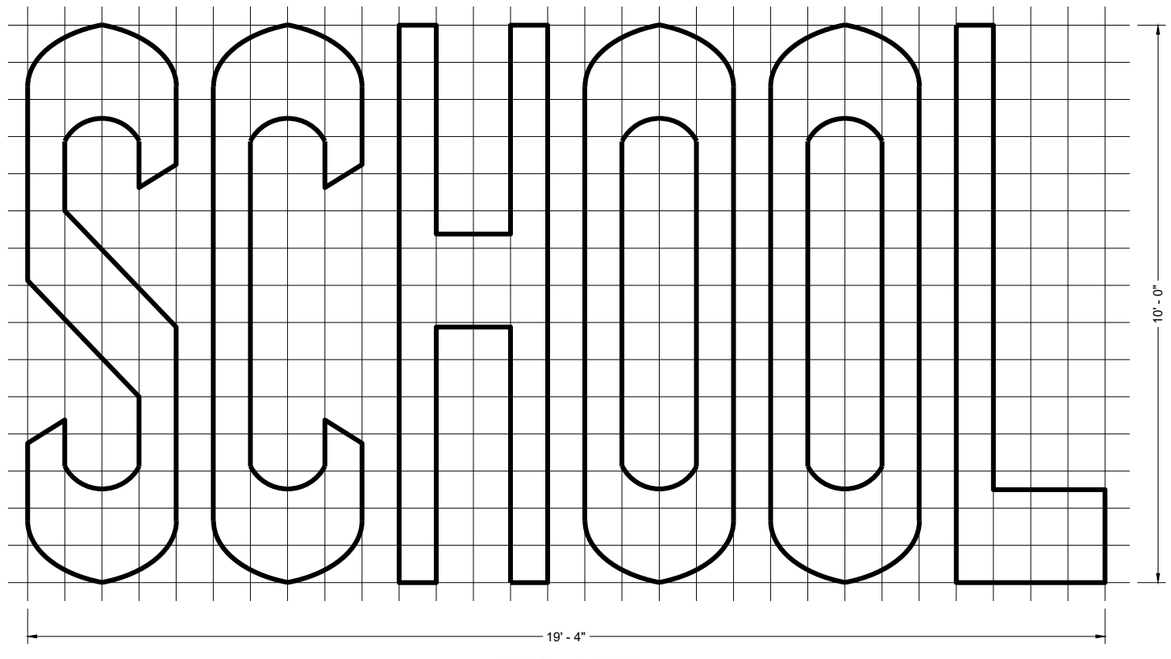
6

SDD 15C03 - 05





SINGLE LANE



TWO - LANE

GENERAL NOTES

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

PAVEMENT MARKING WORDS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2024 — DATE
/S/ Matthew Rauch — STATE SIGNING AND MARKING ENGINEER

FHWA

6

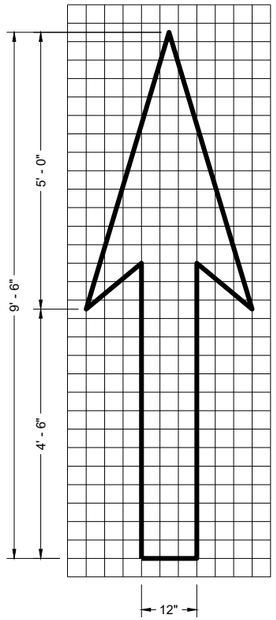
SDD 15C07-16b

6

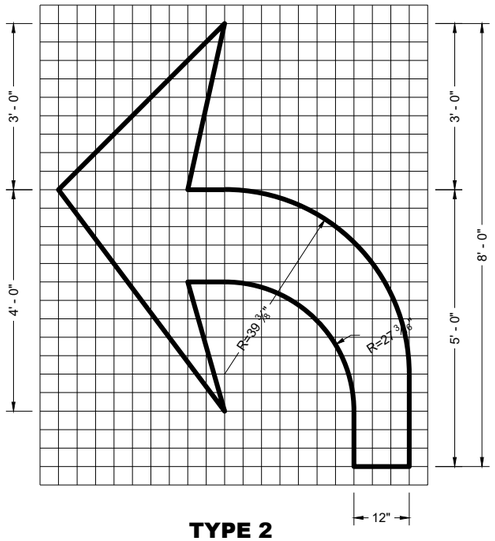
SDD 15C07-16b

GENERAL NOTES

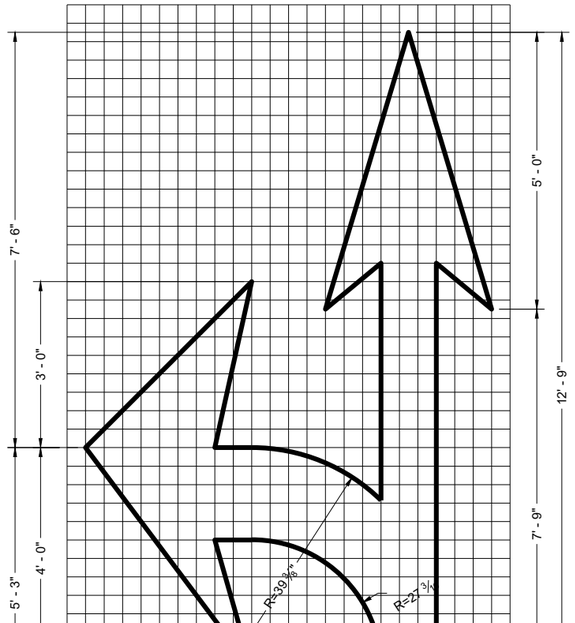
DETAILS OF INSTALLATION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.



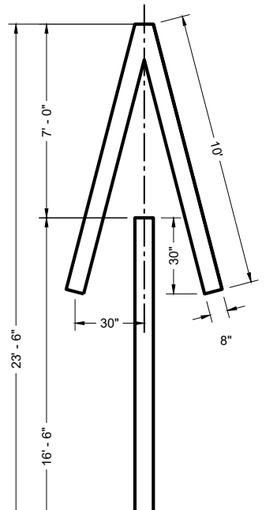
TYPE 1



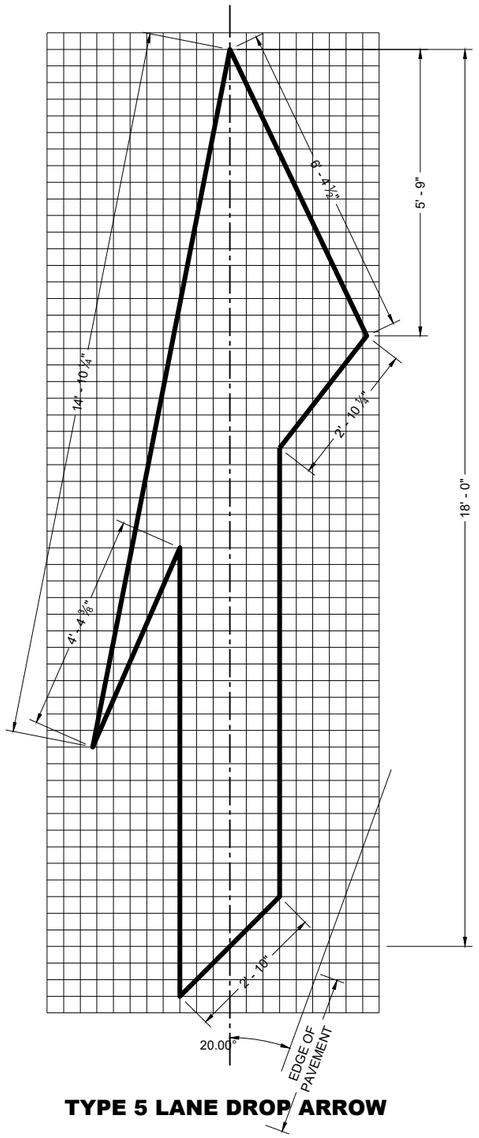
TYPE 2



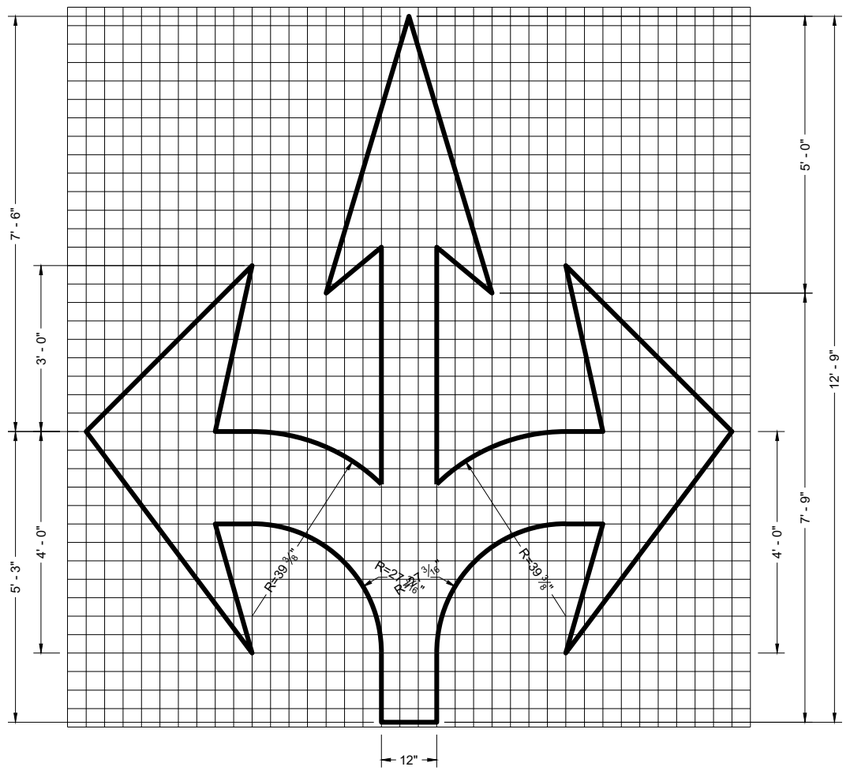
TYPE 3



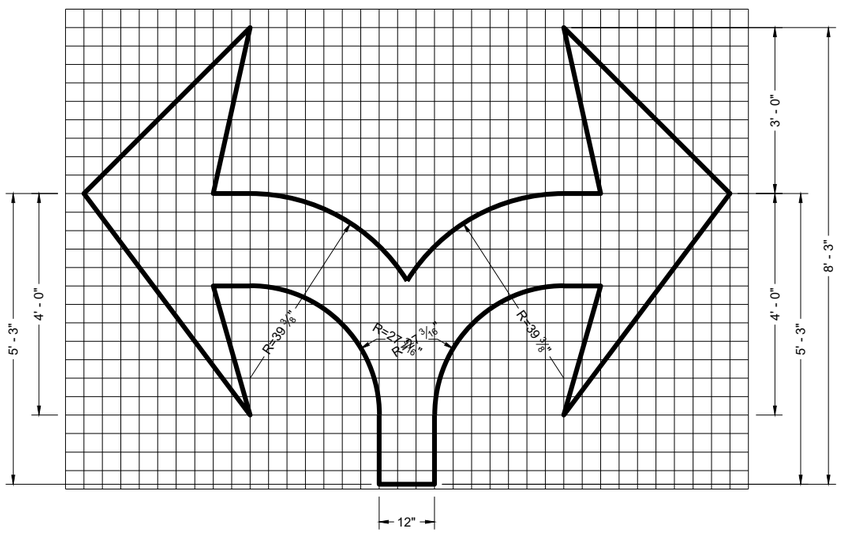
TYPE 4



TYPE 5 LANE DROP ARROW



TYPE 6



TYPE 7

PAVEMENT MARKING ARROWS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2024 — DATE
/S/ Matthew Rauch — STATE SIGNING AND MARKING ENGINEER

FHWA

6

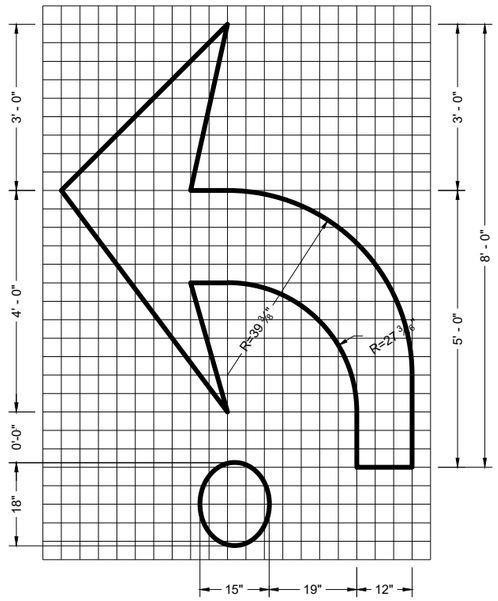
SDD 15C07-16c

6

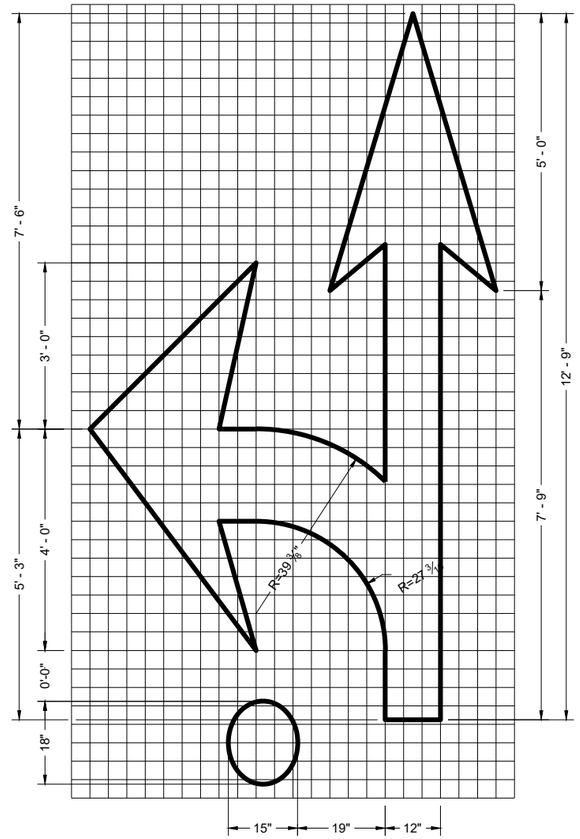
SDD 15C07-16c

GENERAL NOTES

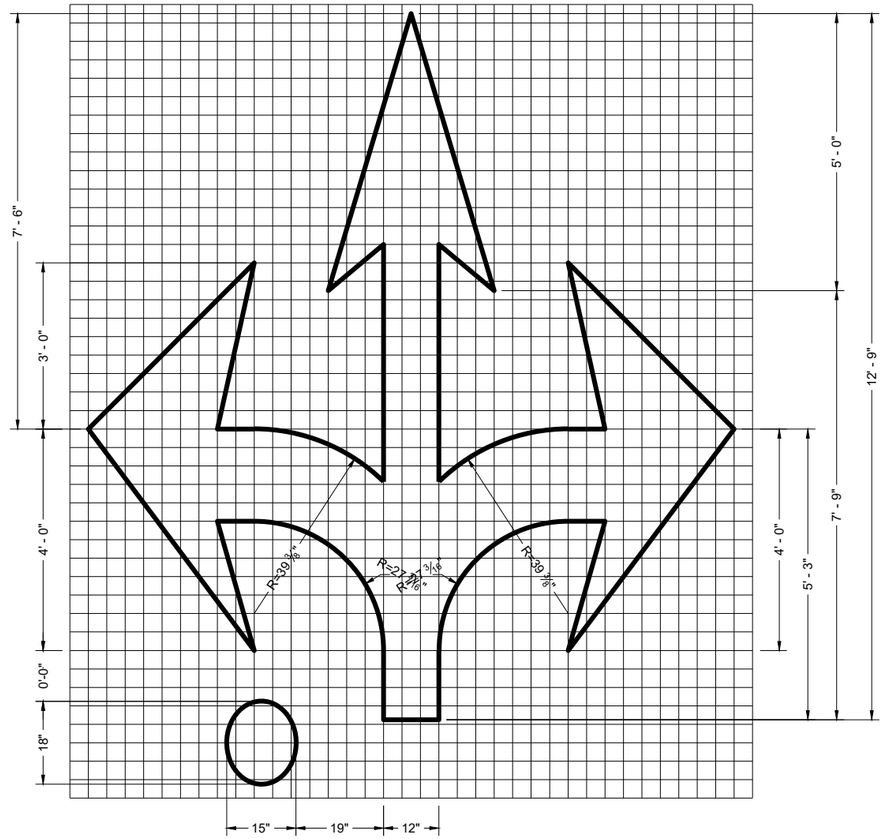
DETAILS OF INSTALLATION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.



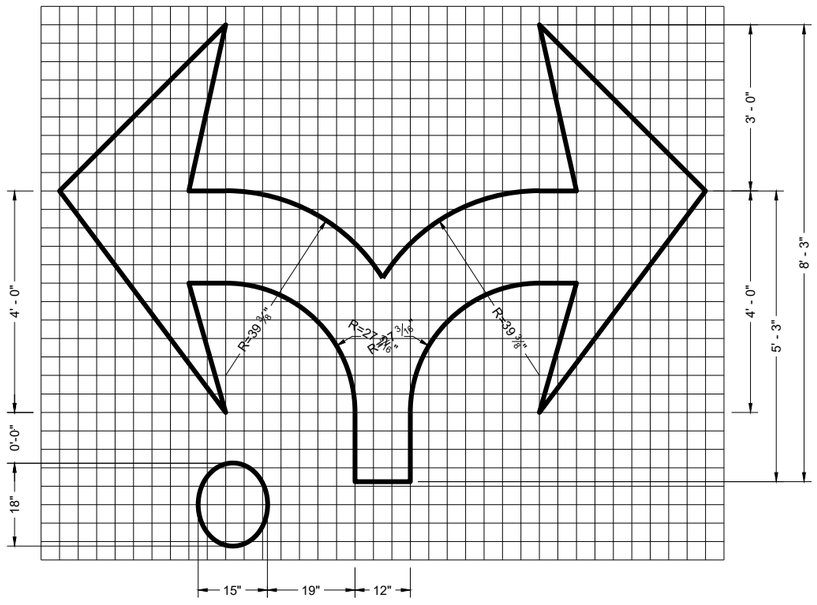
TYPE 2R



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.

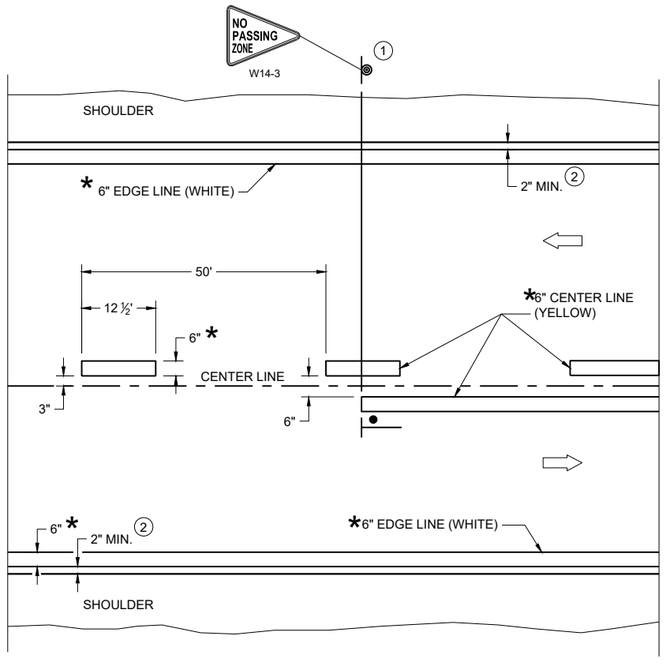
*CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES

LEGEND

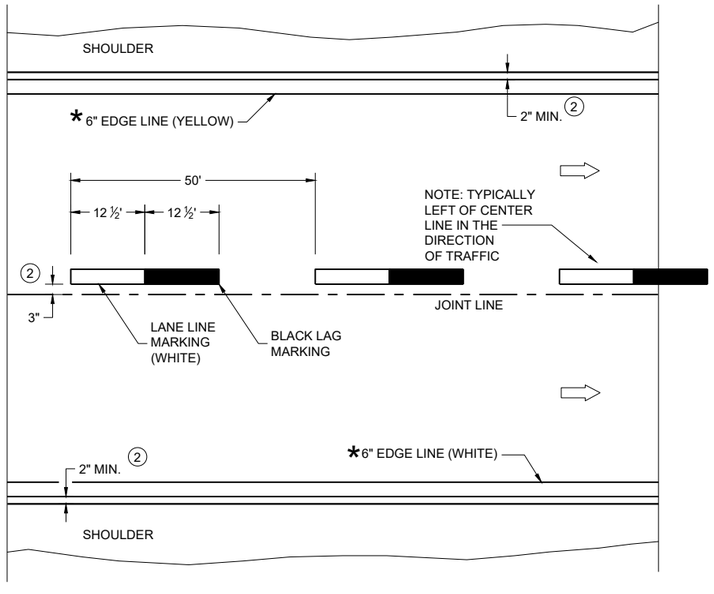
"T" MARKING

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

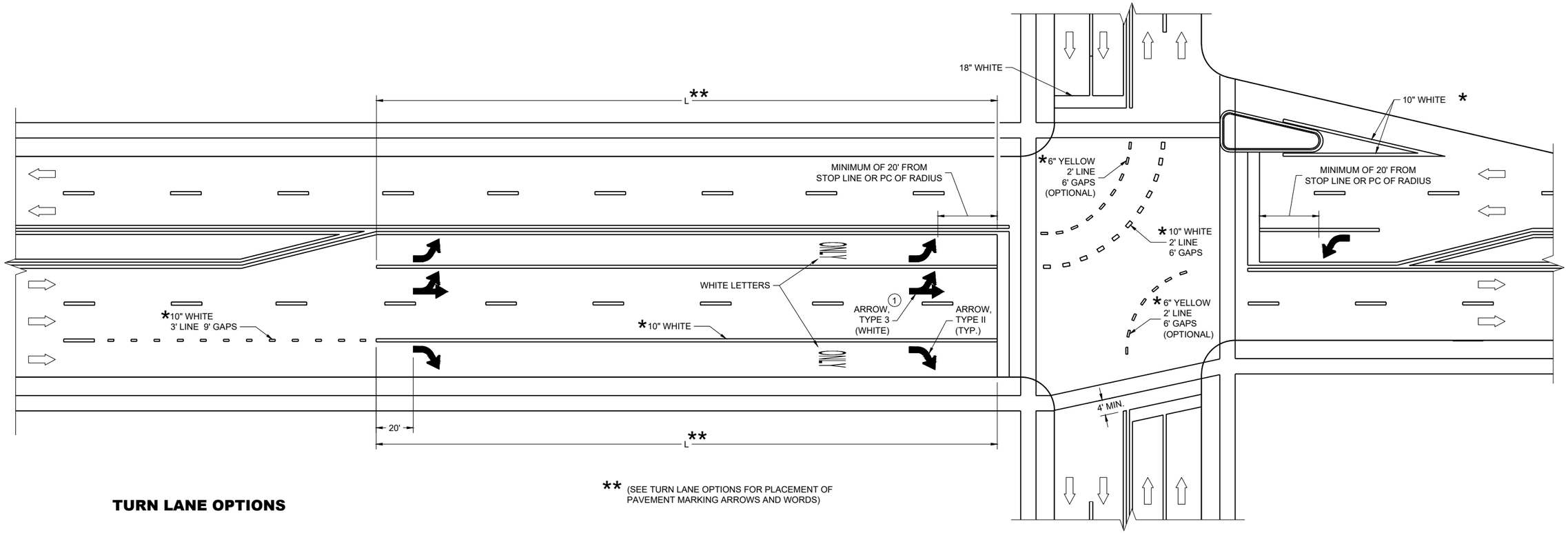
FHWA

6

SDD 15C08-24a

6

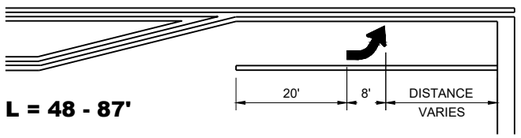
SDD 15C08-24a



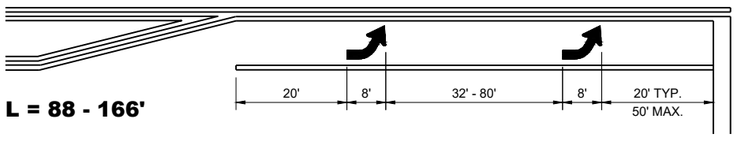
** (SEE TURN LANE OPTIONS FOR PLACEMENT OF PAVEMENT MARKING ARROWS AND WORDS)

TURN LANE OPTIONS

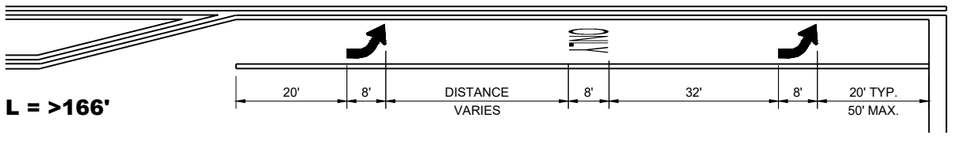
LENGTH OF TURN BAY (**L**) OF 0 - 47' DOES NOT
REQUIRE PAVEMENT MARKING ARROWS OR WORDS



L = 48 - 87'



L = 88 - 166'



L = >166'

GENERAL NOTES

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

DIRECTION OF TRAFFIC

L = LENGTH OF TURN BAY

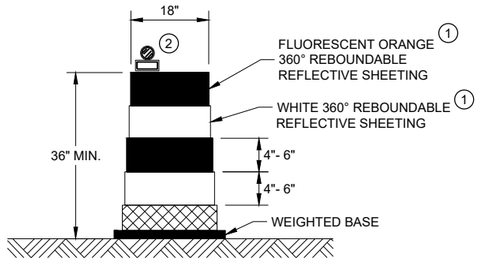
*CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES

PAVEMENT MARKING (TURN LANES)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

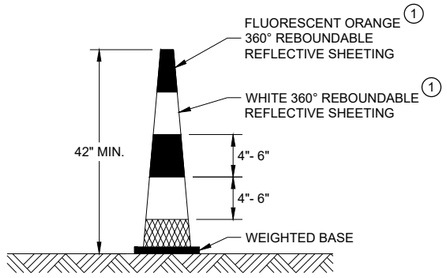
GENERAL NOTES

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



DRUM

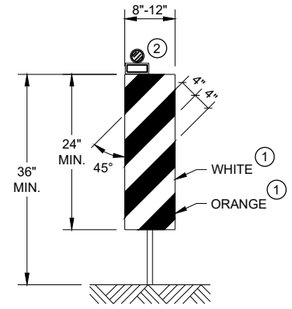
BALLAST WIDTHS
RANGE FROM 24"-36"



42" CONE

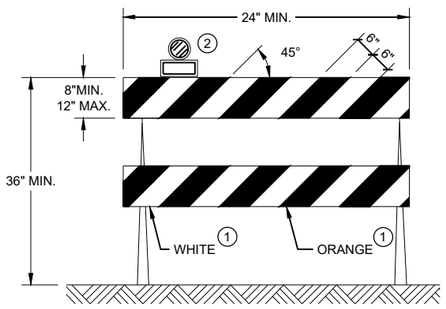
DO NOT USE IN TAPERS
½ SPACING OF DRUMS

BALLAST WIDTHS
RANGE FROM 14"-20"



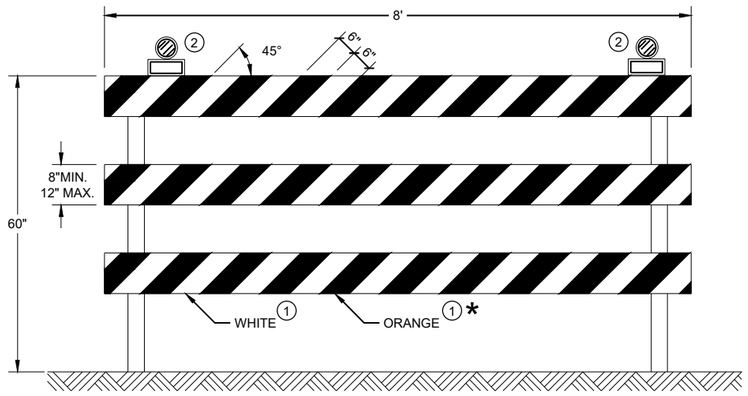
VERTICAL PANEL

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



TYPE II BARRICADE

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



TYPE III BARRICADE

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

* IF USED FOR A PERMANENT APPLICATION USE RED SHEETING.

CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2022
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA

6

SDD 15C11 - 10b

LEGEND

SIGN ON PORTABLE OR PERMANENT SUPPORT

TEMPORARY PORTABLE RUMBLE STRIP ARRAY

DIRECTION OF TRAFFIC

WORK AREA

FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF

GENERAL NOTES

DETAILS OF TRAFFIC CONTROL DEVICES AND INSTALLATION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS, THE SPECIAL PROVISIONS, AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.

"WO" SIGNS ARE THE SAME AS "W" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

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

THE FIRST ADVANCE WARNING SIGN SHOULD TYPICALLY BE LOCATED IN ADVANCE OF THE ANTICIPATED TRAFFIC BACKUP OR QUEUE.

WHEN A SIDE ROAD OR RAMP INTERSECTS THE FACILITY ON WHICH THE WORK IS BEING PERFORMED, ADDITIONAL TRAFFIC CONTROLS SHALL BE PROVIDED AS SPECIFIED IN THE PLANS AND/OR THE SPECIAL PROVISIONS OR AS APPROVED BY THE ENGINEER.

FLAGGING

FLAGGERS SHALL BE IN SIGHT OF EACH OTHER OR IN DIRECT COMMUNICATION AT ALL TIMES. THEY SHALL BE EQUIPPED WITH STOP/SLOW PADDLES FASTENED ON SUPPORT STAFFS. WHEN THE FLAGGING OPERATION IS NOT IN EFFECT REMOVE TEMPORARY PORTABLE RUMBLE STRIPS PRIOR TO COVERING OR REMOVING ALL ADVANCE SIGNING.

(1) FOR MOVING WORK OPERATIONS, POST ADDITIONAL W20-7A FLAGGER SIGNS AT APPROXIMATELY 3,500' INTERVALS IN THE MOVING WORK OPERATION OR AS APPROVED BY THE ENGINEER.

(2) SIGN NOT REQUIRED IF FLAGGING OPERATION OCCURS WITHIN A SIGNED ROAD WORK ZONE AREA.

WHEN THE DISTANCE BETWEEN FLAGGERS EXCEEDS 2 MILES, A PILOT CAR IS REQUIRED. WHEN CURVES REDUCE SIGHT DISTANCE BELOW 400', A PILOT CAR IS REQUIRED.

TEMPORARY PORTABLE RUMBLE STRIPS

UTILIZE TEMPORARY PORTABLE RUMBLE STRIPS ON ALL FLAGGING OPERATIONS.

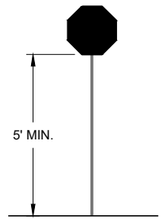
(3) EACH TEMPORARY PORTABLE RUMBLE STRIP ARRAY CONSISTS OF THREE RUMBLE STRIPS PLACED TRANSVERSE ACROSS THE LANE AT THE LOCATIONS SHOWN. WITHIN EACH ARRAY, SPACING BETWEEN RUMBLE STRIPS SHALL BE 15 FEET ON CENTER

ONLY USE TEMPORARY PORTABLE RUMBLE STRIPS FROM THE APPROVED PRODUCTS LIST.

INSTALL TEMPORARY RUMBLE STRIPS PER MANUFACTURER'S RECOMMENDATIONS.

PLACE ADVANCE SIGNING PRIOR TO INSTALLING TEMPORARY RUMBLE STRIPS.

DO NOT INSTALL TEMPORARY PORTABLE RUMBLE STRIPS ON GRAVEL, MILLED SURFACES, OR ASPHALT THAT HAS BEEN PAVED LESS THAN 12 HOURS.



STOP/SLOW PADDLE ON SUPPORT STAFF

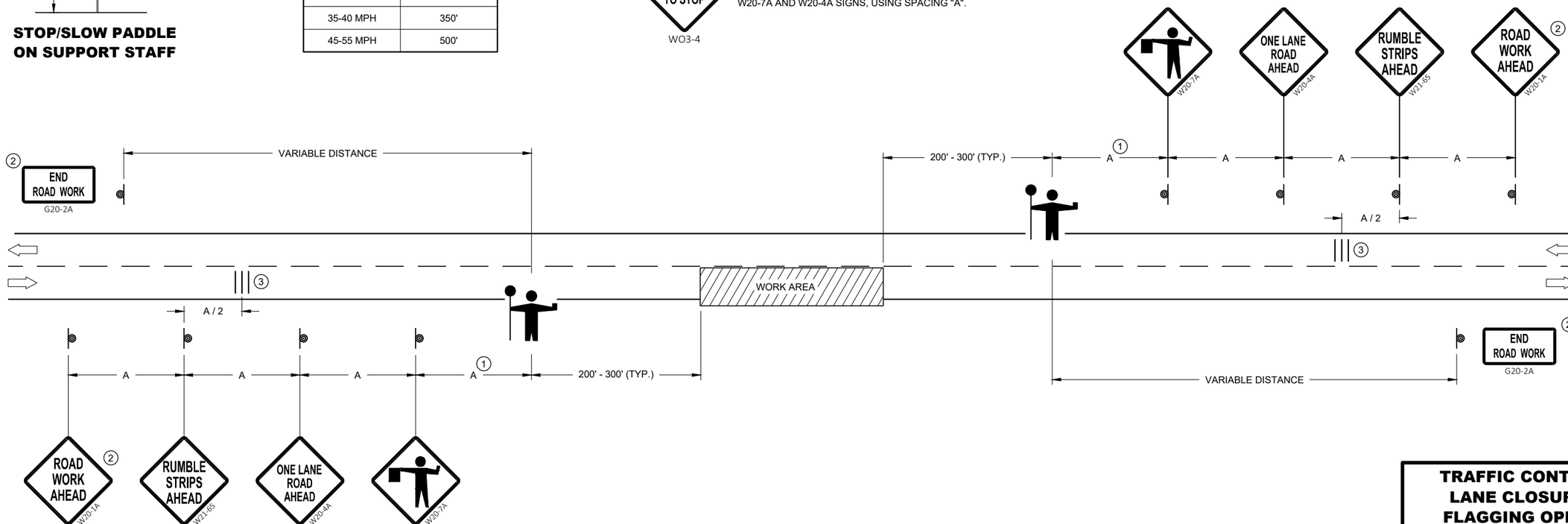
SIGN AND TEMPORARY RUMBLE STRIP ARRAY SPACING TABLE

SPEED LIMIT	SPACING "A"
25-30 MPH	200'
35-40 MPH	350'
45-55 MPH	500'



WO3-4

USE OF WO3-4 SIGN IS OPTIONAL. WHEN USED, THIS SIGN SHALL BE LOCATED BETWEEN THE W20-7A AND W20-4A SIGNS, USING SPACING "A".



TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2022
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA

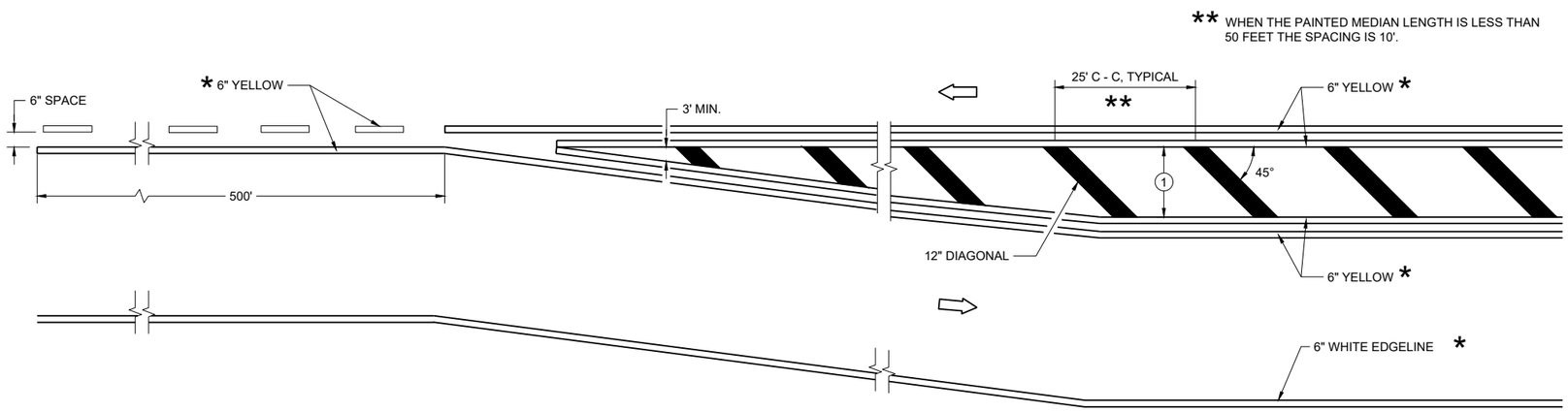
279

6

SDD 15C12 - 09a

6

SDD 15C12 - 09a



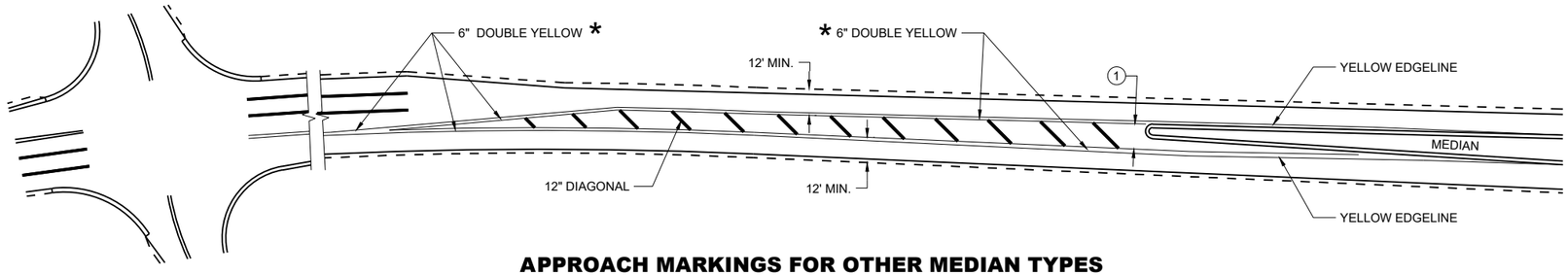
MEDIAN ISLAND DETAIL

GENERAL NOTES

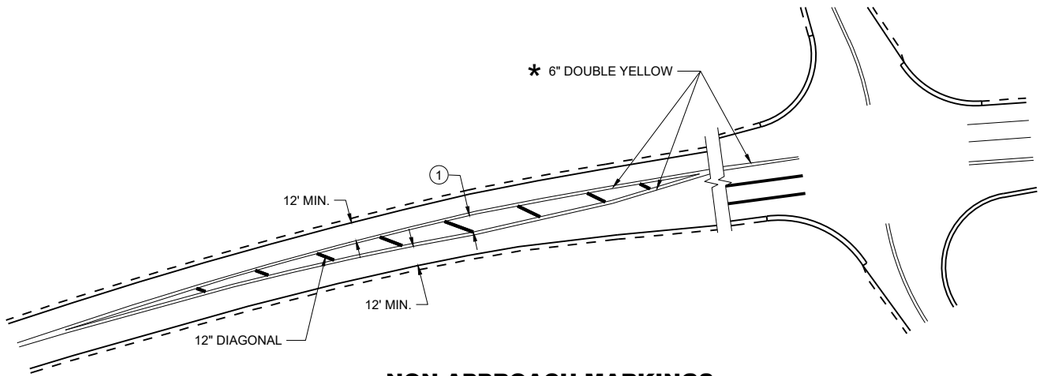
(1) DIAGONALS ARE OPTIONAL WHEN PAINTED ISLAND IS LESS THAN 6 FEET AT THE WIDEST POINT. OMIT DIAGONALS IF WIDTH IS LESS THAN 4 FEET.

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

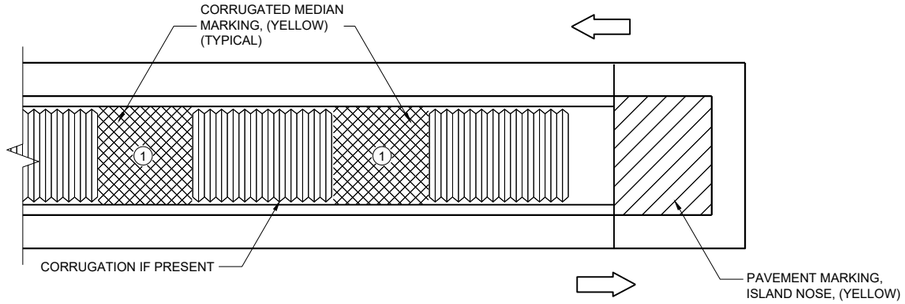
/S/ Jeannie Silver
Statewide Pavement Marking Engineer

FHWA

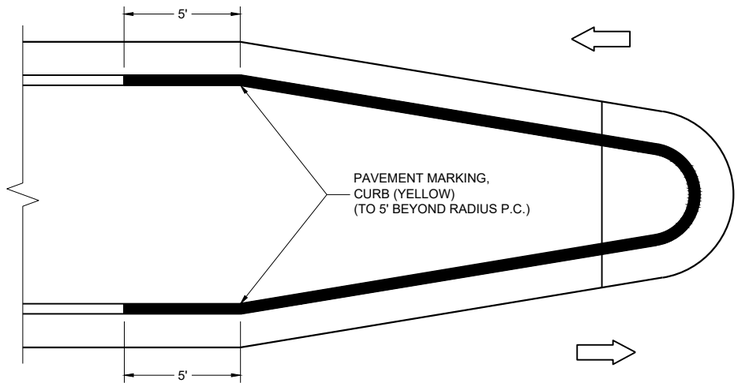
6

SDD 15C18-09a

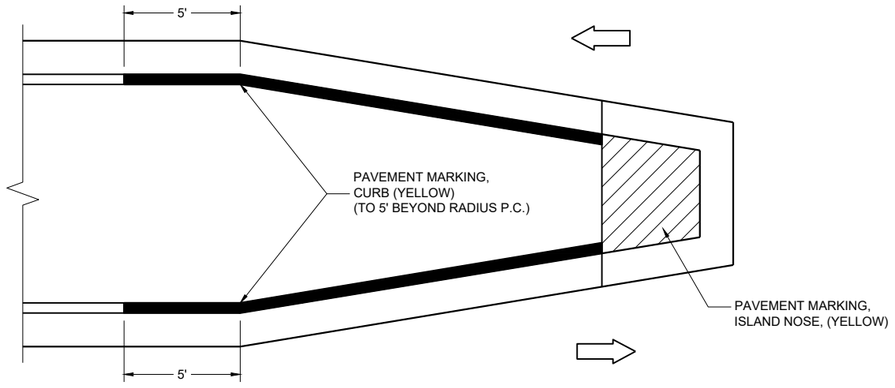
SDD 15C18-09a



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.

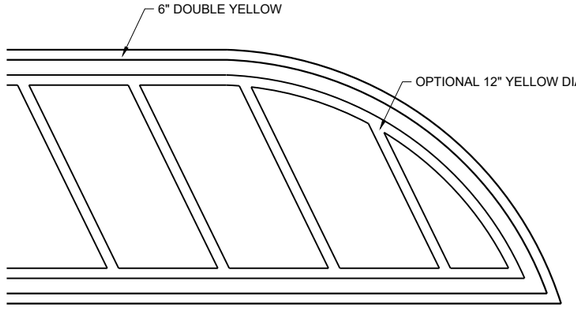
(1) APPLY PAVEMENT MARKING TO THE FLAT PORTION OF CORRUGATED MEDIAN.

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

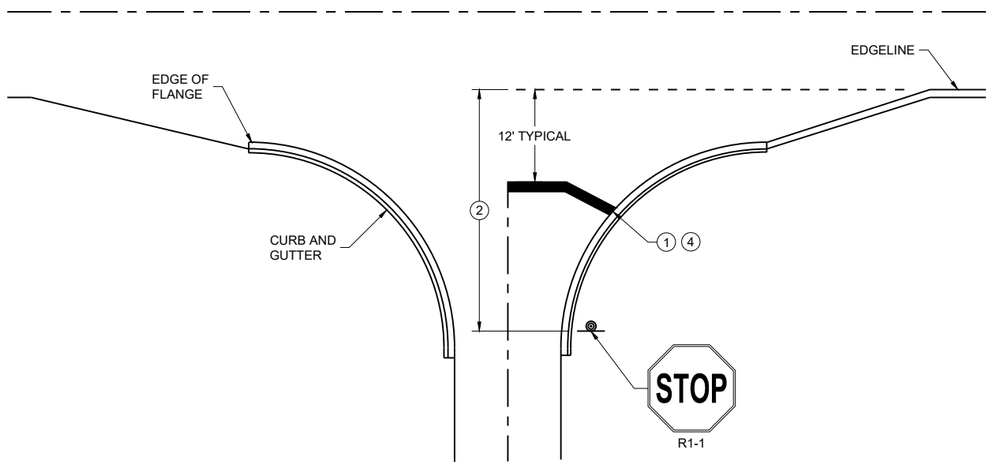
6

SDD 15C18-09b

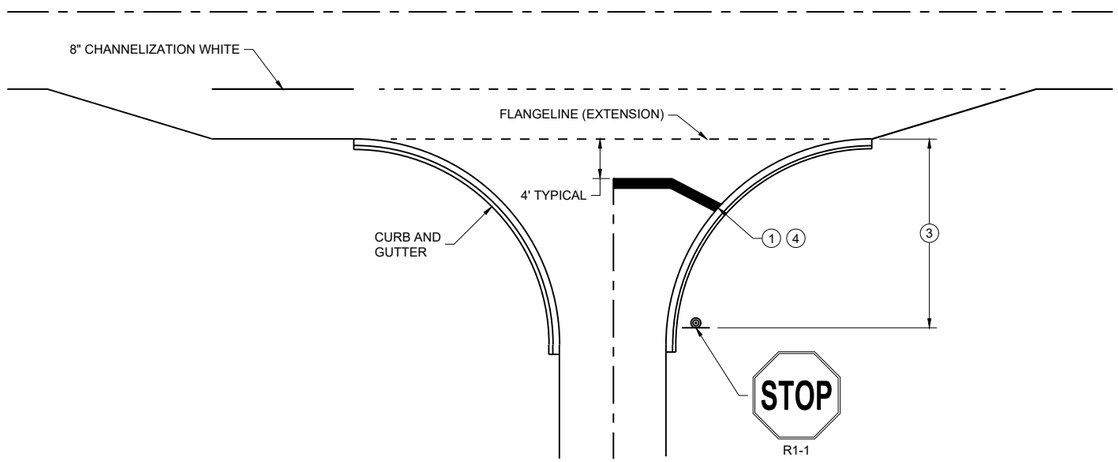
GENERAL NOTES

STOP SIGN SHALL BE PLACED A MINIMUM OF 6 FEET TO A MAXIMUM OF 50 FEET FROM THE EDGELINE LOCATION.

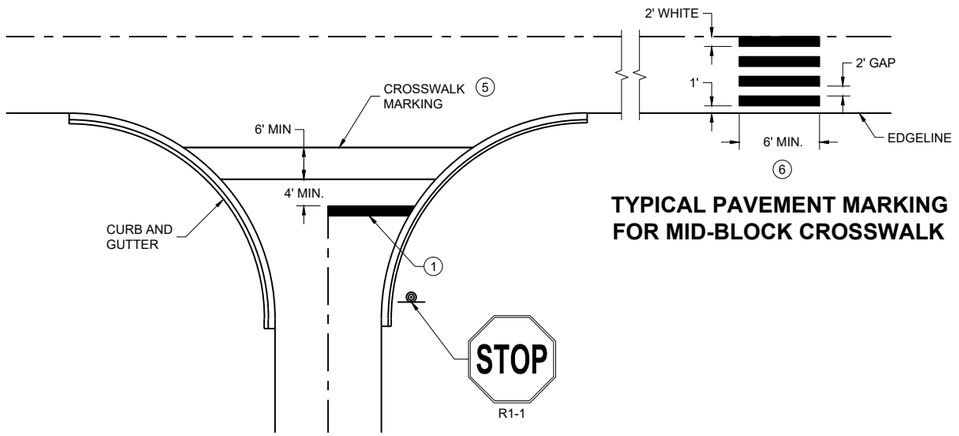
1. 18-INCH STOP LINES MAY BE DELETED OR ADDED BY THE REGION MARKING ENGINEER BASED ON VISIBILITY AND SIGHT LINES.
2. NO STOP LINE IS REQUIRED IF STOP SIGN IS LESS THAN OR EQUAL TO 40 FEET FROM THE EDGELINE.
3. NO STOP LINE IS REQUIRED IF STOP SIGN IS LESS THAN OR EQUAL TO 30 FEET FROM THE FLANGE LINE EXTENSION.
4. MOVE CLOSER TO THE EDGE OF TRAVEL LINE AS NEEDED FOR VISIBILITY AND SIGHT LINES (NO CLOSER THAN 4 FEET).
5. LADDER BAR CROSSWALKS SHOULD ONLY BE USED FOR MID BLOCK CROSSINGS. USE 2 - 6" TRANSVERSE LINES.
6. POSTED SPEED LIMITS OF 40 MPH OR GREATER USE A MINIMUM WIDTH OF 8' FOR MIDBLOCK CROSSWALKS



TYPICAL STOP LINE PAVEMENT MARKING WITH CURB AND GUTTER

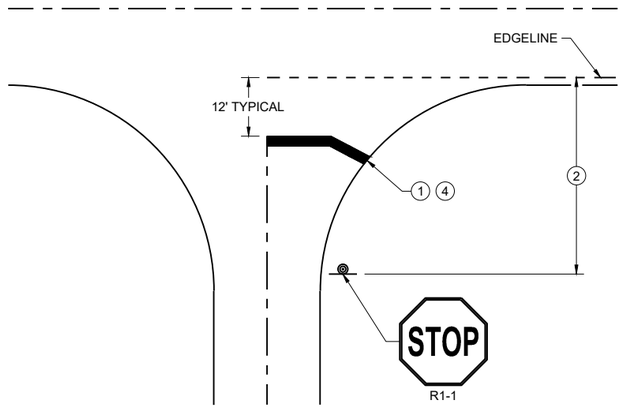


TYPICAL STOP LINE PAVEMENT MARKING FOR SIDE ROADS WITH RIGHT TURN LANE



TYPICAL PAVEMENT MARKING FOR MID-BLOCK CROSSWALK (5)

TYPICAL STOP LINE PAVEMENT MARKING FOR SIDE ROADS WITH CROSSWALK MARKING



TYPICAL STOP LINE PAVEMENT MARKING WITHOUT CURB AND GUTTER

STOP LINE AND CROSSWALK PAVEMENT MARKING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
March 2024 — DATE
/S/ Matthew Rauch — STATE SIGNING AND MARKING ENGINEER

FHWA

6
SDD 15C33-05

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.

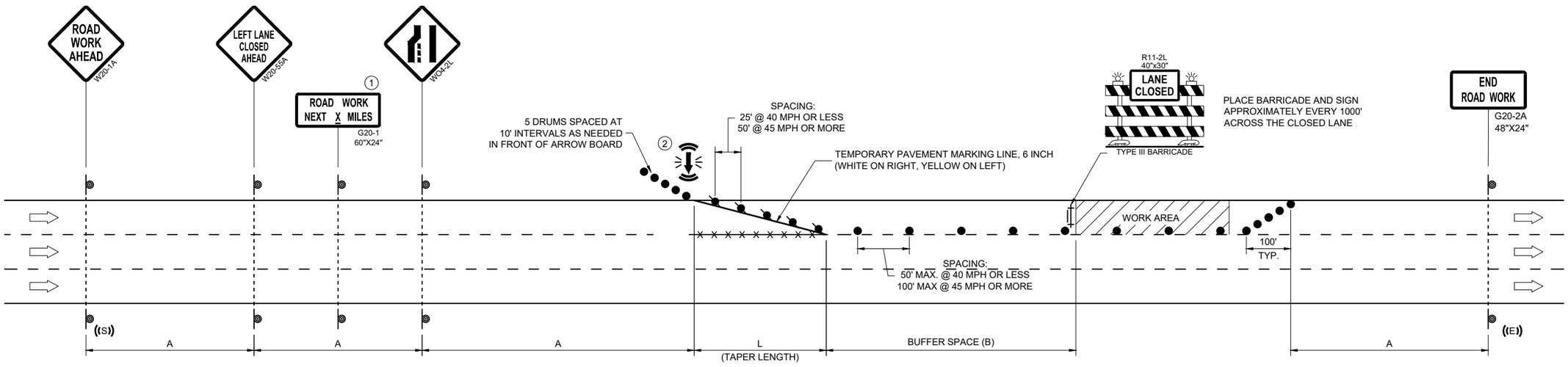
BARRICADES IN A CLOSED LANE THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY REESTABLISHED UPON COMPLETION OF THE OPERATION, OR FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

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

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.



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'	55'
30	200'	180'	85'
35	350'	245'	120'
40	350'	320'	170'
45	500'	540'	220'

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

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2024
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEER

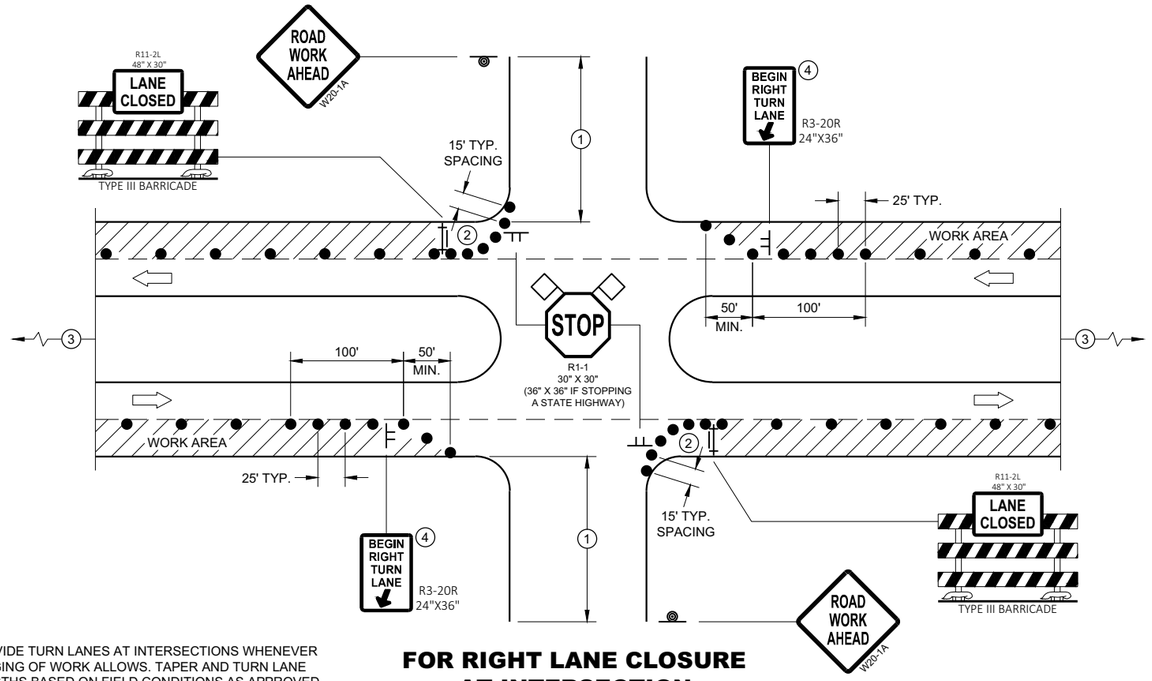
FHWA

6

SDD 15D20-09a

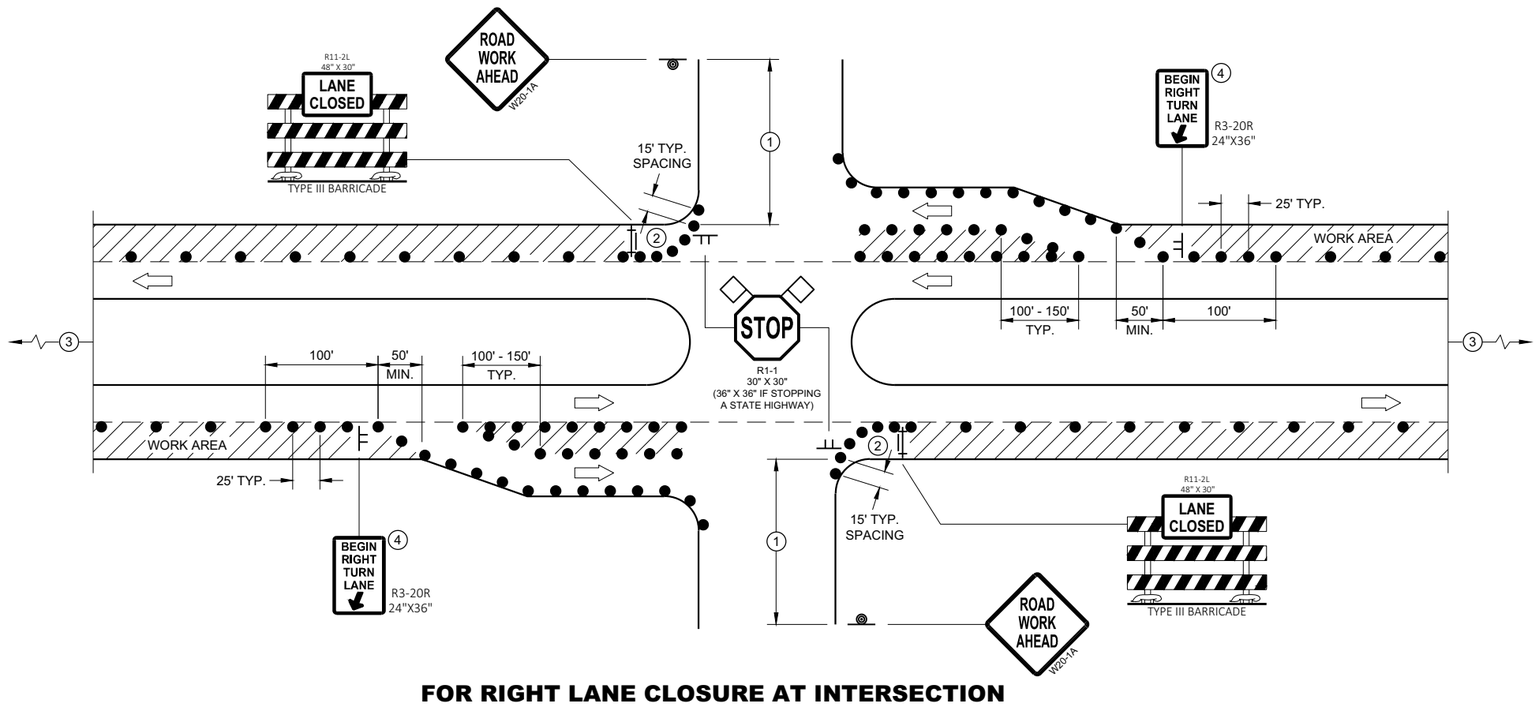
6

SDD 15D20-09a



FOR RIGHT LANE CLOSURE AT INTERSECTION

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



FOR RIGHT LANE CLOSURE AT INTERSECTION (WITH RIGHT TURN BAY OPEN)

GENERAL NOTES

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

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

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

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

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

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

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

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

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

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

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

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

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

LEGEND

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

TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE RIGHT LANE CLOSURE

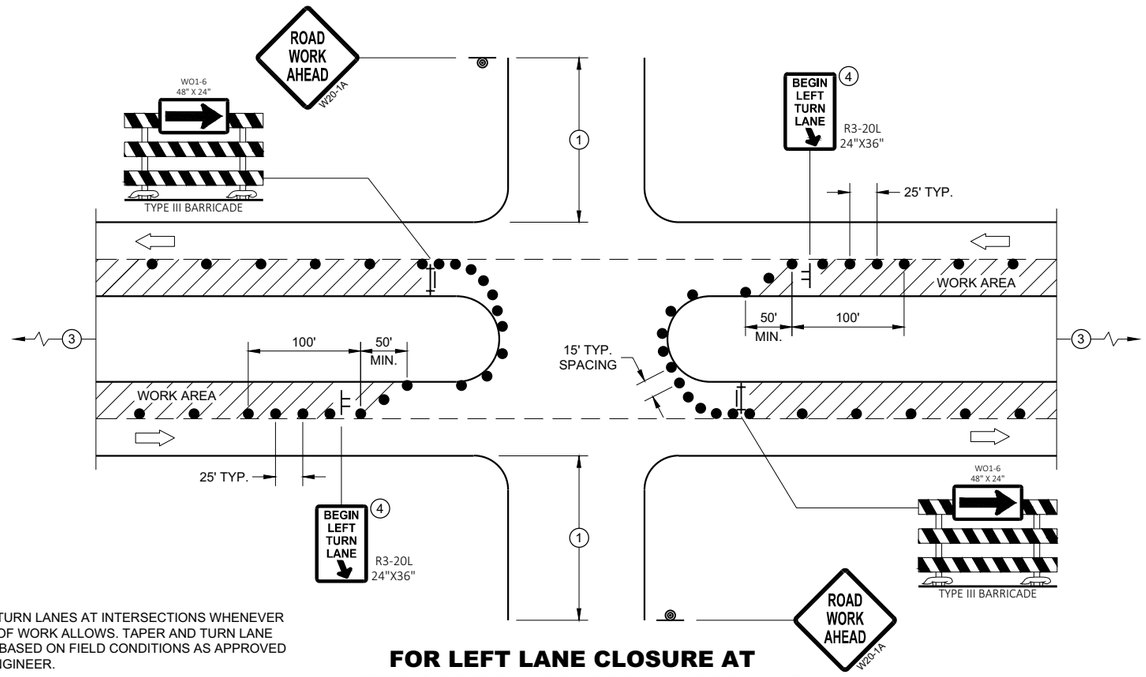
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 15D21 - 07a

6

SDD 15D21 - 07a



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

FOR LEFT LANE CLOSURE AT INTERSECTION OR MEDIAN OPENING

GENERAL NOTES

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

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

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

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

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

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

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

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

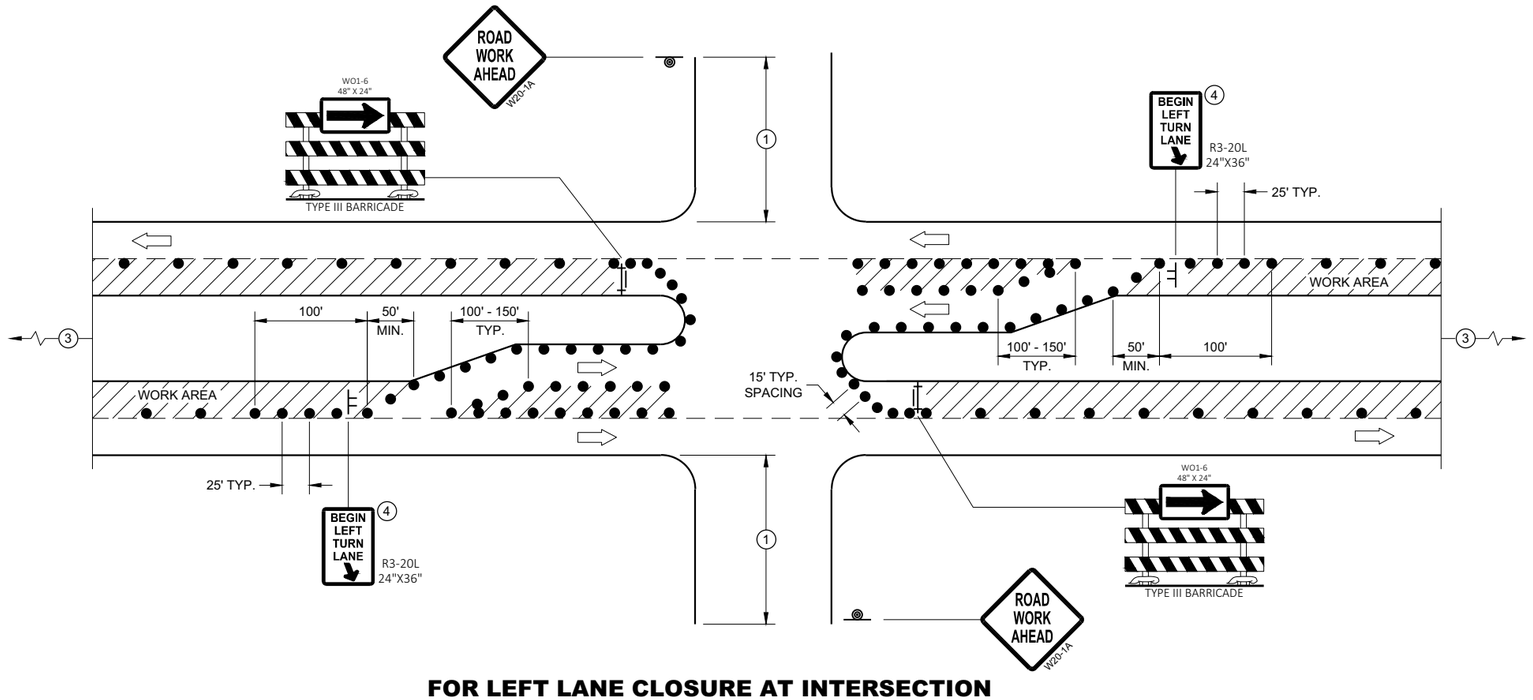
CHANNELIZING DEVICES PLACED ADJACENT TO WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

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

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

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

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



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

LEGEND

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

TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LEFT LANE CLOSURE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
August 2020 — DATE
/S/ Andrew Heidtke — WORK ZONE ENGINEER
FHWA

6

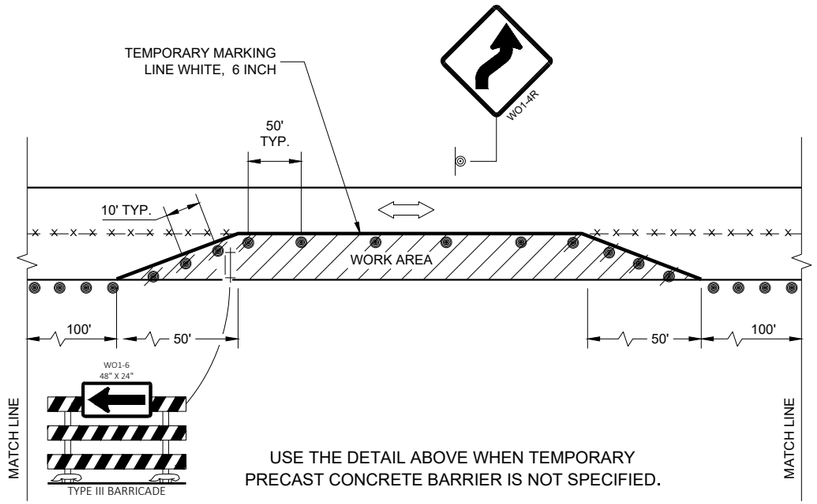
SDD 15D21 - 07b

6

SDD 15D21 - 07b

LEGEND

- TYPE III BARRICADE WITH ATTACHED SIGN
- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- TRAFFIC CONTROL DRUM
- FLAGS, 16" X 16" MIN. (ORANGE)
- REMOVING PAVEMENT MARKING
- DIRECTION OF TRAFFIC
- ASPHALTIC PAVEMENT WIDENING
- CONCRETE BARRIER TEMPORARY PRECAST
- TEMPORARY SIGNAL. SEE SDD 09G02 FOR EXACT PLACEMENT



USE THE DETAIL ABOVE WHEN TEMPORARY PRECAST CONCRETE BARRIER IS NOT SPECIFIED.

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

THIS LANE CLOSURE IS TYPICAL FOR CLOSING RIGHT LANE - REVERSE FOR CLOSING LEFT LANE.

ALL SIGNS ARE 48" x 48" UNLESS OTHERWISE NOTED.

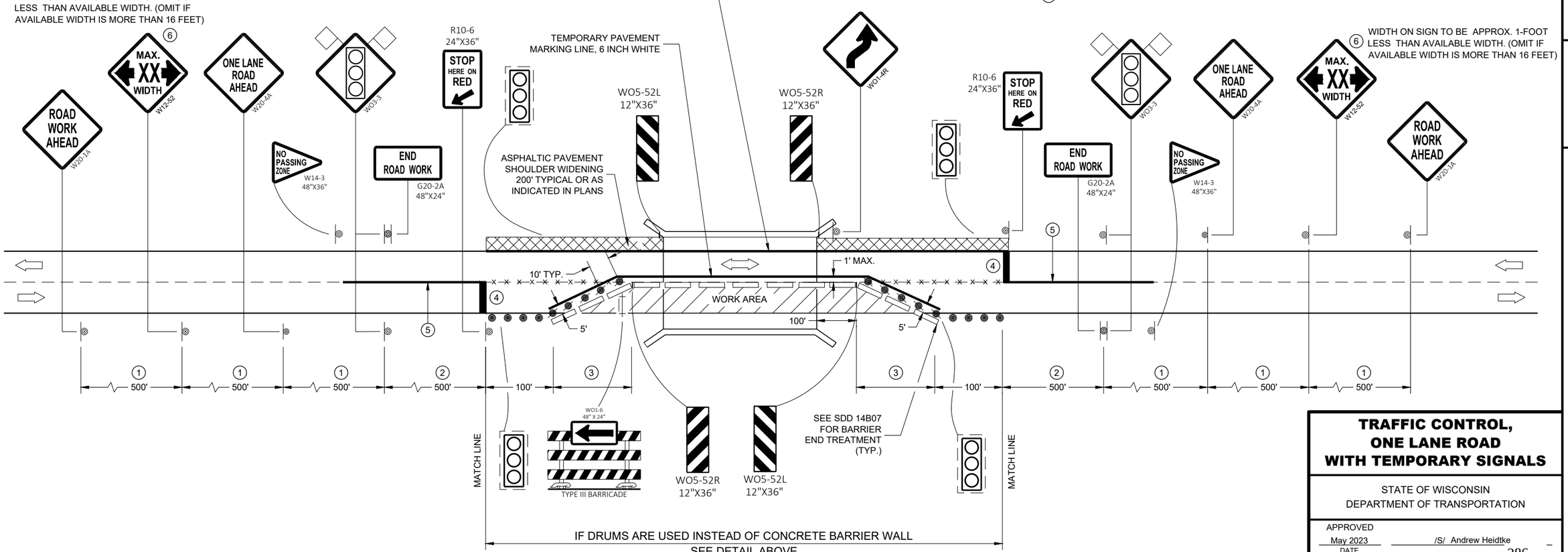
"WO" IS THE SAME AS "W" EXCEPT THE BACKGROUND IS ORANGE.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED OR AS APPROVED BY THE ENGINEER.

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

INSTALL OVERHEAD TEMPORARY SIGNAL HEADS ABOVE THE MIDDLE OF THE TRAVEL LANE THEY ARE CONTROLLING.

1. 500 FOOT SPACING SHOWN IS FOR ROADWAYS WITH A PRE-CONSTRUCTION REGULATORY SPEED LIMIT OF 45 MPH OR MORE. FOR 35 - 40 MPH, USE 350 FOOT TYPICAL SPACING. FOR 25 - 30 MPH, USE 200 FOOT TYPICAL SPACING.
2. USE 300 FOOT SPACING IF THE PRE - CONSTRUCTION REGULATORY SPEED IS 35 MPH OR LESS.
3. DIMENSION DETERMINED BY CBTP TAPER FROM EDGE LINE TO TANGENT SECTION OF THE ROAD.
4. TEMPORARY PAVEMENT MARKING LINE, 18 INCH WHITE STOP LINE.
5. 700 FOOT TEMPORARY PAVEMENT MARKING LINE, 6 INCH DOUBLE YELLOW . WHEN THE DISTANCE FOR THE PRECEDING NO - PASSING ZONE IS LESS THAN THE MINIMUM DISTANCE BETWEEN ZONES AS INDICATED IN THE SPECIFICATIONS, THE TWO ZONES SHALL BE CONNECTED.
6. SEE SDD 15C02 - SHEET "F" FOR ADVANCED WIDTH RESTRICTION SIGNING.



TRAFFIC CONTROL, ONE LANE ROAD WITH TEMPORARY SIGNALS

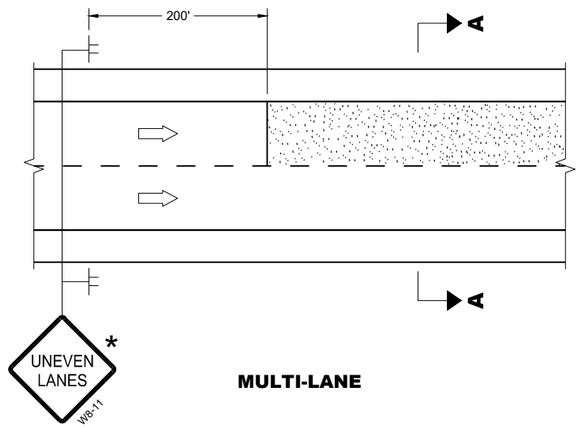
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023
DATE

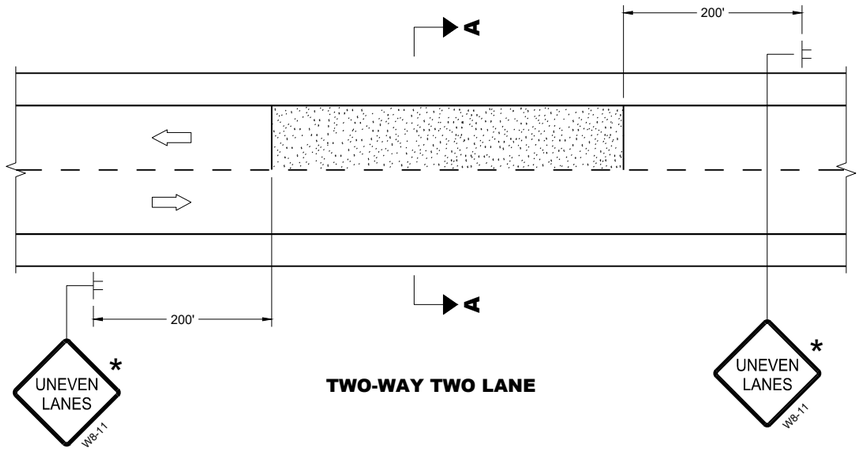
/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA

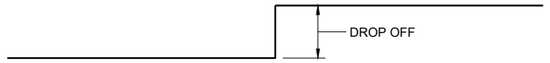
6
SDD 15D33-09



MULTI-LANE

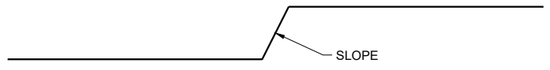


TWO-WAY TWO LANE

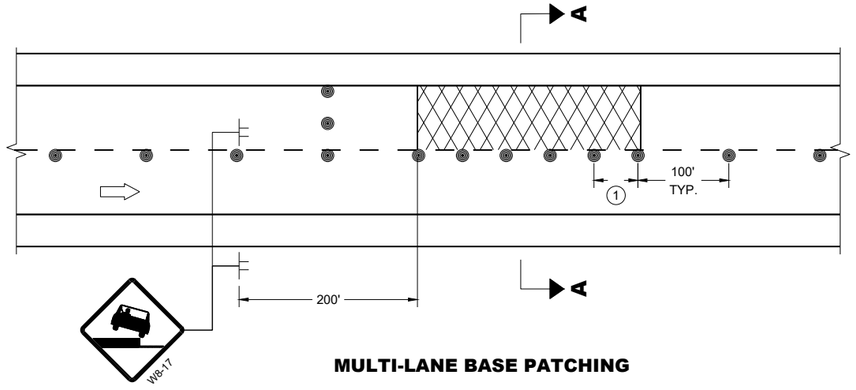


SECTION A - A

OR



SECTION A - A



MULTI-LANE BASE PATCHING

ADJACENT LANE DROP-OFFS

GENERAL NOTES

FOR SPOT LOCATIONS USE ENGINEERING JUDGEMENT WHEN PLACING ADDITIONAL SIGNS.

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.

"WO" SIGNS ARE THE SAME AS "W" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

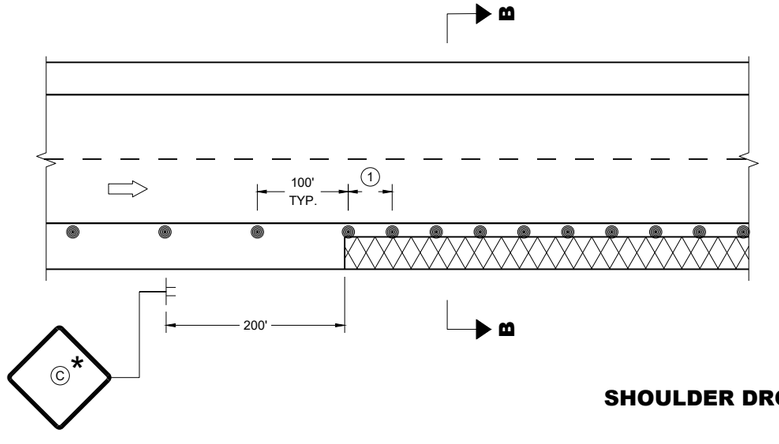
WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.

* IF THE DROP-OFF IS CONTINUOUS ALONG THE PROJECT, PLACE ADDITIONAL SIGNS EVERY 1 MILE AND AFTER EVERY ENTRANCE RAMP.

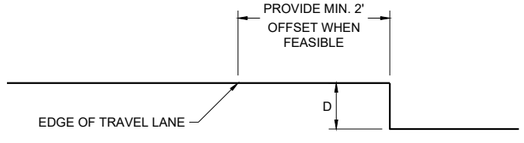
(1) USE CLOSER SPACING WHEN DELINEATING DROP-OFF.

LEGEND

- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL DRUM
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- DIRECTION OF TRAFFIC
- WORK AREA WITH DROP-OFF
- MILLED SURFACE



SHOULDER DROP-OFFS



SECTION B - B

D	SIGN (C)
< 2" WITH A SLOPE STEEPER THAN 3:1	LOW SHOULDER WO8-9
2" < 6" WITH A SLOPE STEEPER THAN 3:1	SHOULDER DROP - OFF W8-9A
	PROVIDE A 3:1 OR FLATTER SLOPE OF MATERIAL ADJACENT TO THE PAVEMENT

TRAFFIC CONTROL, DROP-OFF SIGNING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2025 — DATE
/S/ Andrew Heidtke — WORK ZONE ENGINEER

FHWA

6
SDD 15D39-03

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	55
30	200	75	83	90	98	105	85
35	350	102	112	123	133	143	120
40	350	133	147	160	173	187	170
45	500	225	248	270	293	315	220

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.

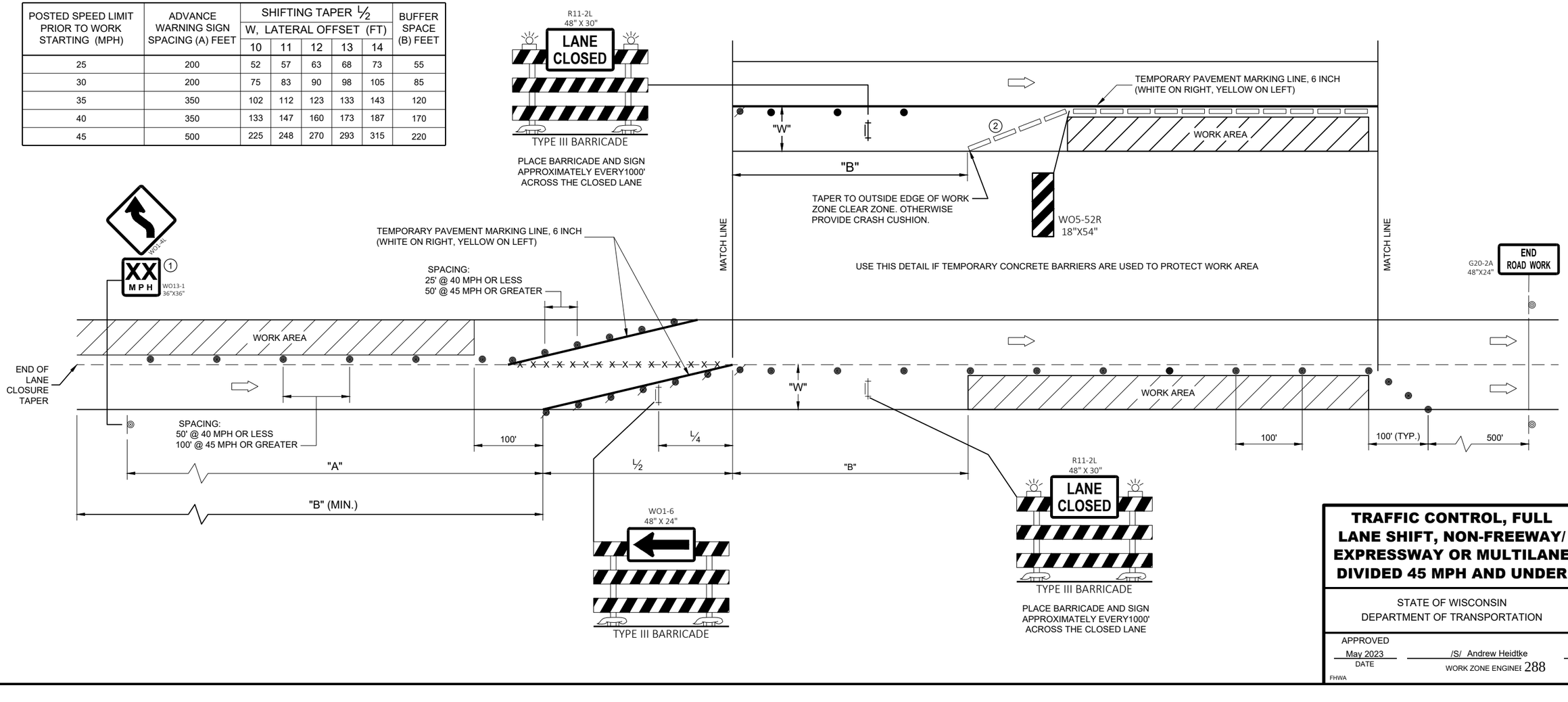
WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.

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



TRAFFIC CONTROL, FULL LANE SHIFT, NON-FREEWAY/ EXPRESSWAY OR MULTILANE DIVIDED 45 MPH AND UNDER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

6

SDD 15D40-05a

6

SDD 15D40-05a

LEGEND

- EXISTING SIGN ON PERMANENT SUPPORT
- NEW SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- DIRECTION OF TRAFFIC
- WORK ZONE

GENERAL NOTES

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

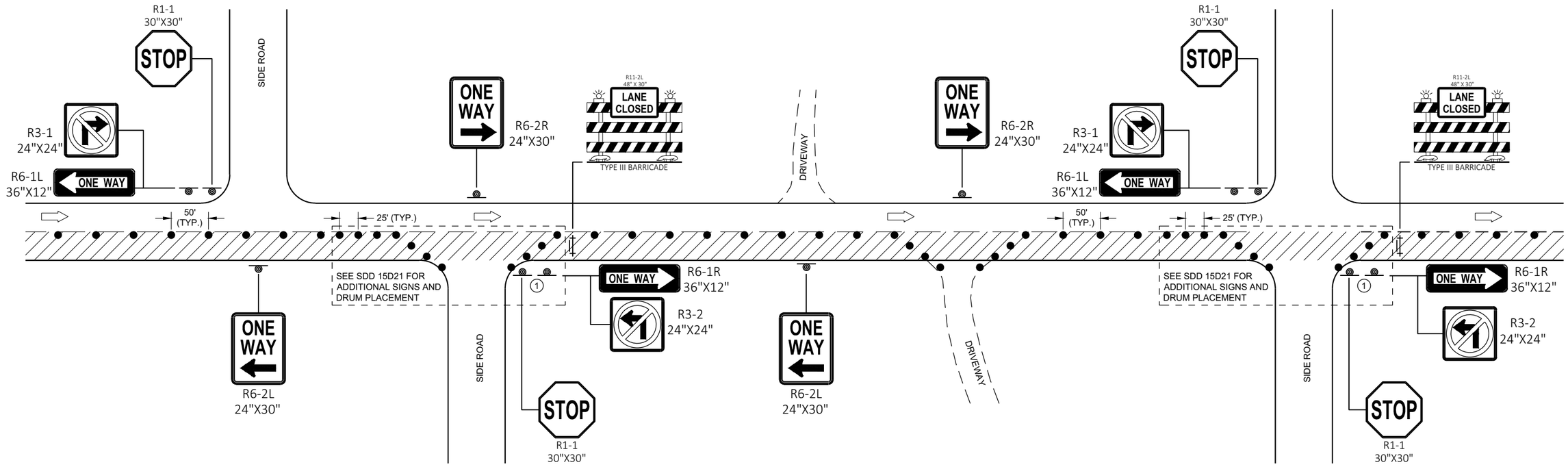
ALL SIGNS AND DEVICES SHALL BE IN CONFORMANCE WITH THE WISCONSIN MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (WMUTCD). SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE WISDOT STANDARD SIGN PLATES.

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.

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.

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

(1) IF WORK OPERATIONS ALLOWS, MOVE R1-1, R6-1R, AND R3-2 CLOSER TO INTERSECTION.

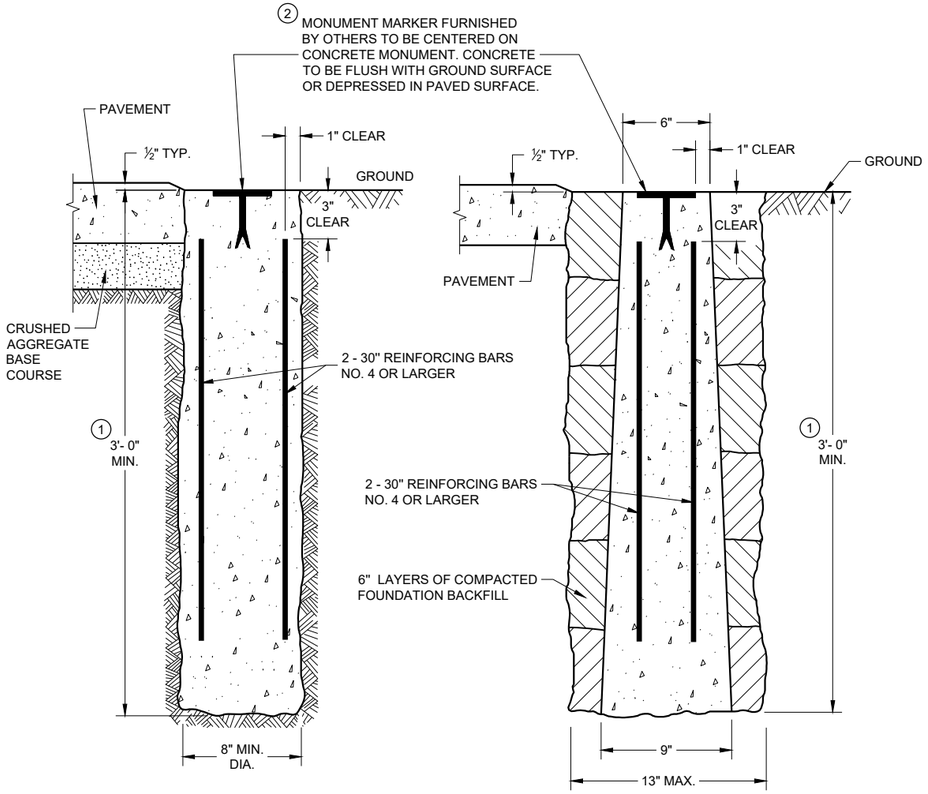


TRAFFIC CONTROL
ONE - WAY SIGNING

TRAFFIC CONTROL ONE-WAY SIGNING	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED May 2020 DATE	/S/ Andrew Heidtke WORK ZONE ENGINEE
FHWA	

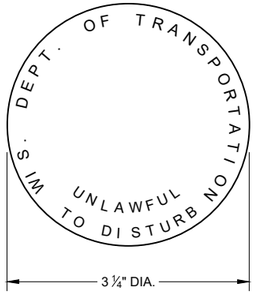
SDD 15D46 - 01

SDD 15D46 - 01



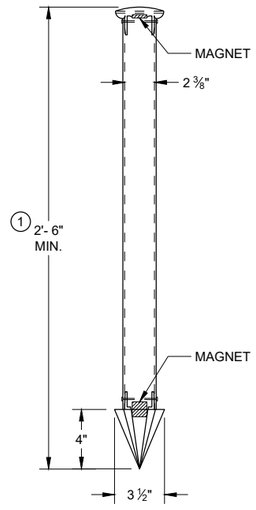
CAST-IN-PLACE **PRECAST**

CONCRETE MONUMENTS
TYPE A

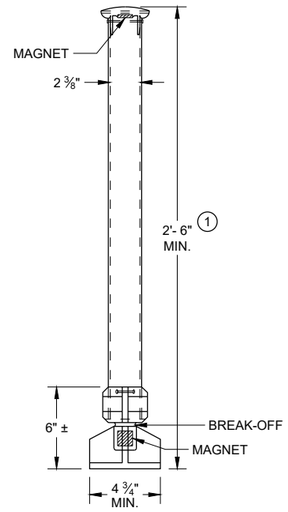


② **WIS DOT MONUMENT MARKER LOGO**

FOR TYPES "A", "C" & "D"

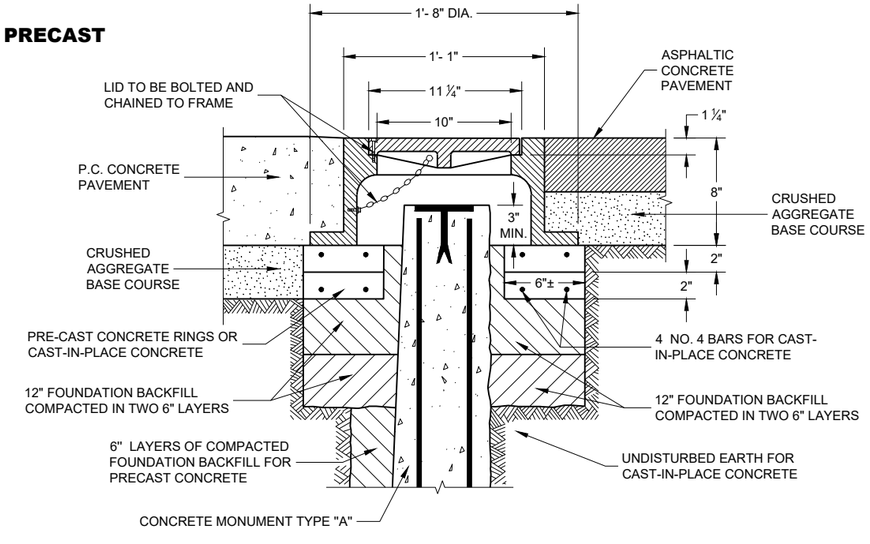


TYPE C
DRIVEN MONUMENT



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.

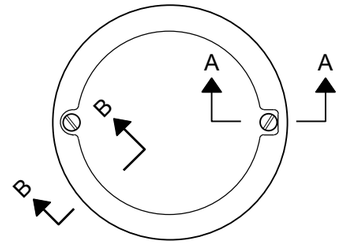
ALUMINUM MONUMENTS AND MONUMENT COVERS SHALL BE MADE FROM AN ALUMINUM AND MAGNESIUM ALLOY AS DETERMINED BY THE MANUFACTURER.

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.

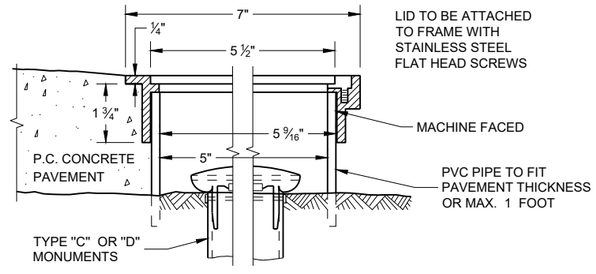
MONUMENT SHALL BE CAST-IN-PLACE CONCRETE UNLESS PRECAST CONCRETE OR ALUMINUM MONUMENTS ARE SPECIFIED IN THE CONTRACT OR PERMITTED BY THE ENGINEER.

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 MA
ENGINEER

FHWA

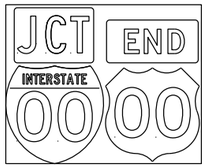
6

SDD 16A01 - 07

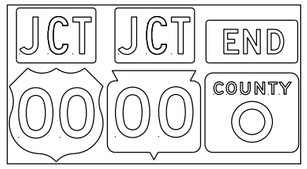
TYPICAL ASSEMBLIES



J1-1



J1-2



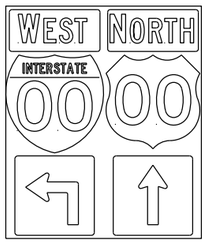
J1-3



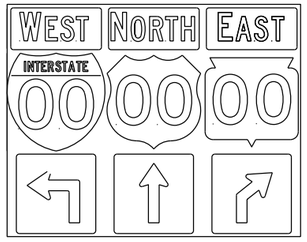
JR1-1



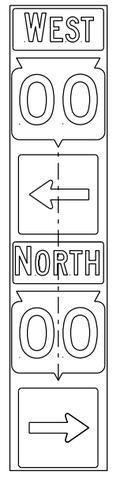
J2-1



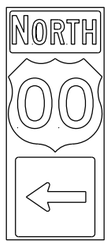
J2-2



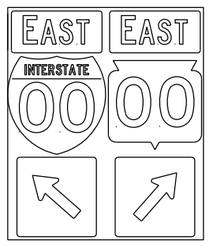
J2-3



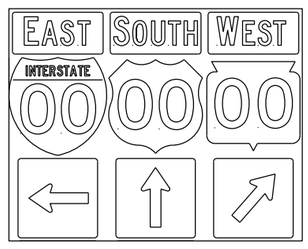
JV
(Typical Vertical J-Assembly
See Note 10 and 11)



J3-1



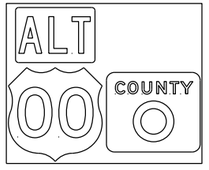
J3-2



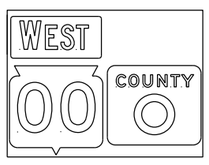
J3-3



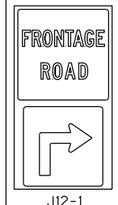
J4-1



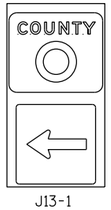
J4-2



J4-2



J12-1



J13-1



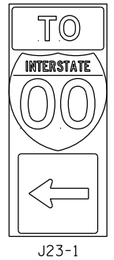
J32-1



J33-1



J22-1



J23-1



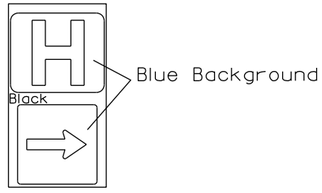
JR13-1



JR23-1



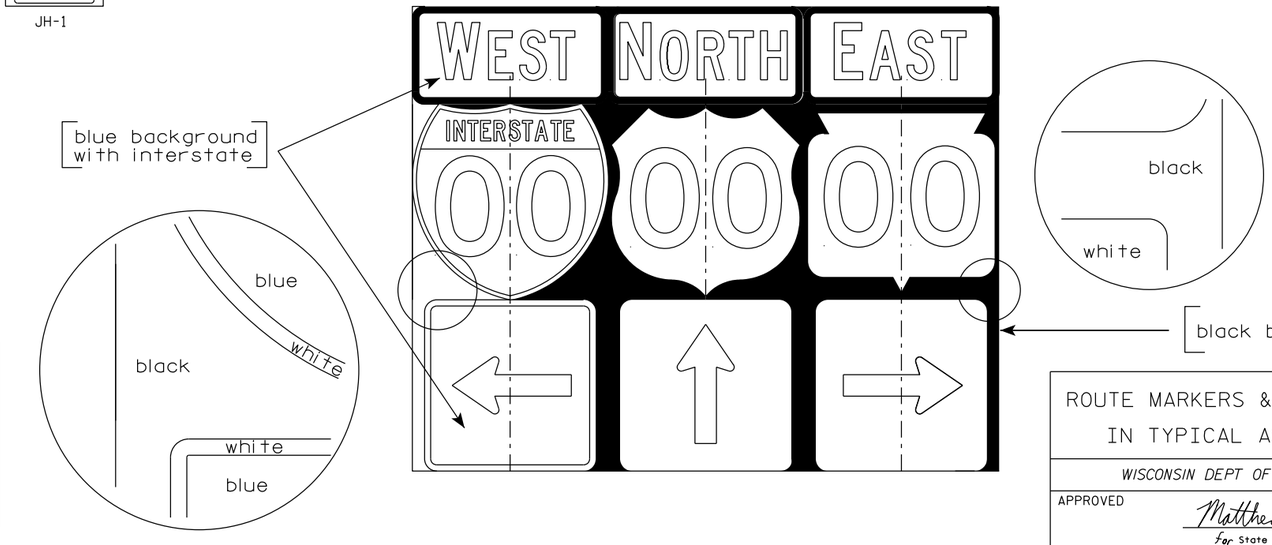
JR99-1



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

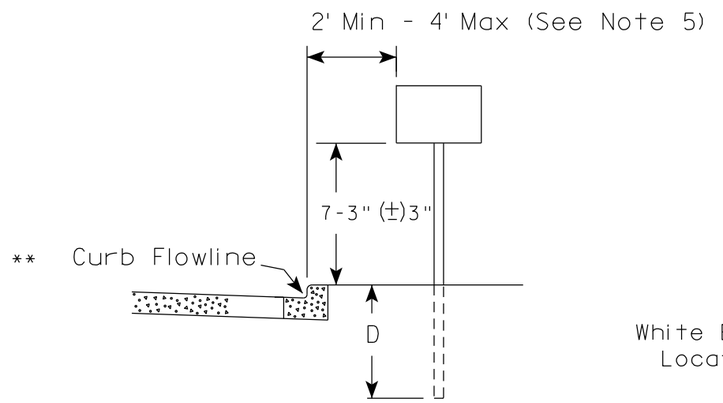
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 6/7/23 PLATE NO. A2-1S.10

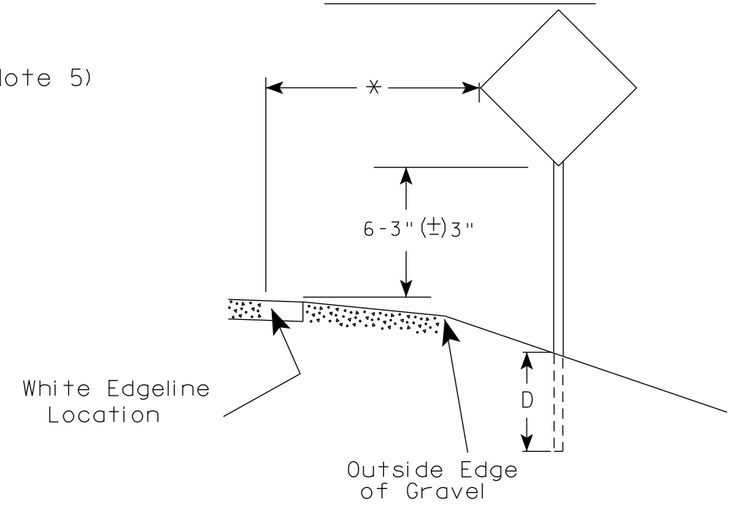
PROJECT NO:

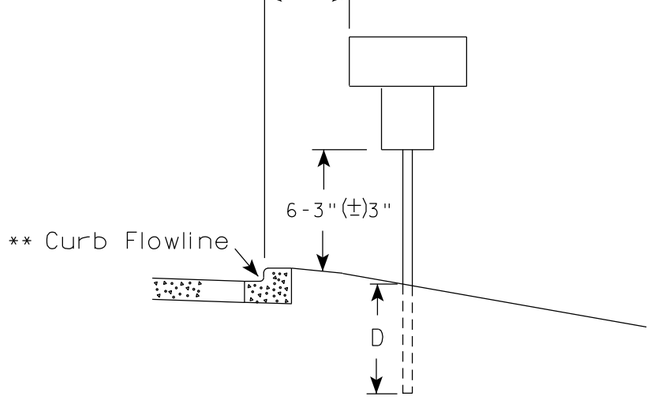
SHEET NO: 291 E

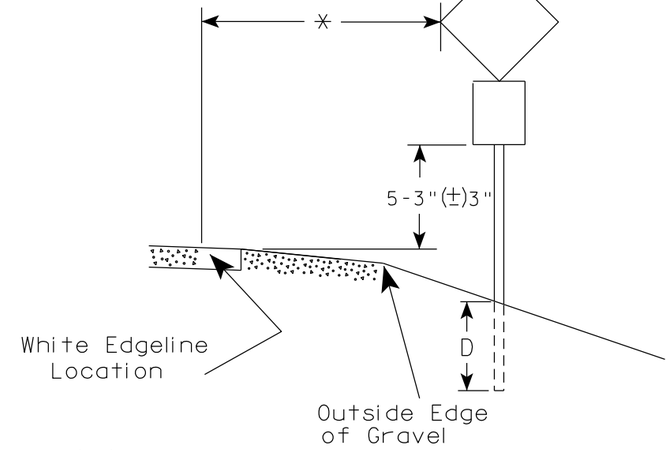
URBAN AREA



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.

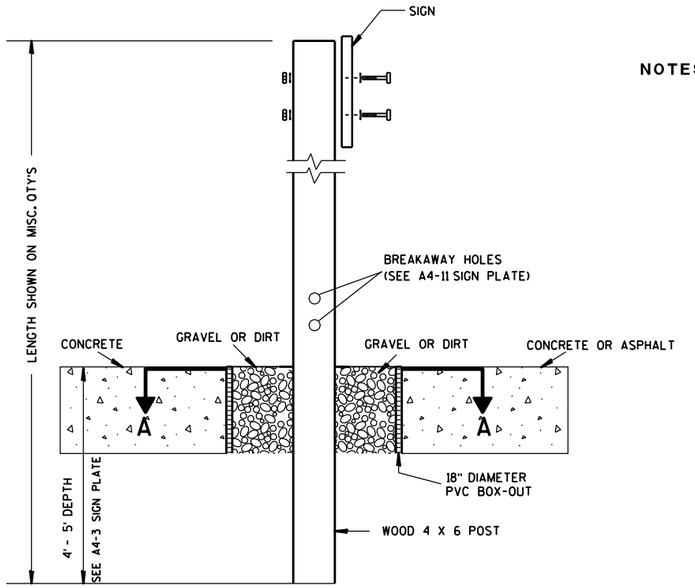
TYPICAL INSTALLATION OF PERMANENT TYPE II SIGNS ON SINGLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

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

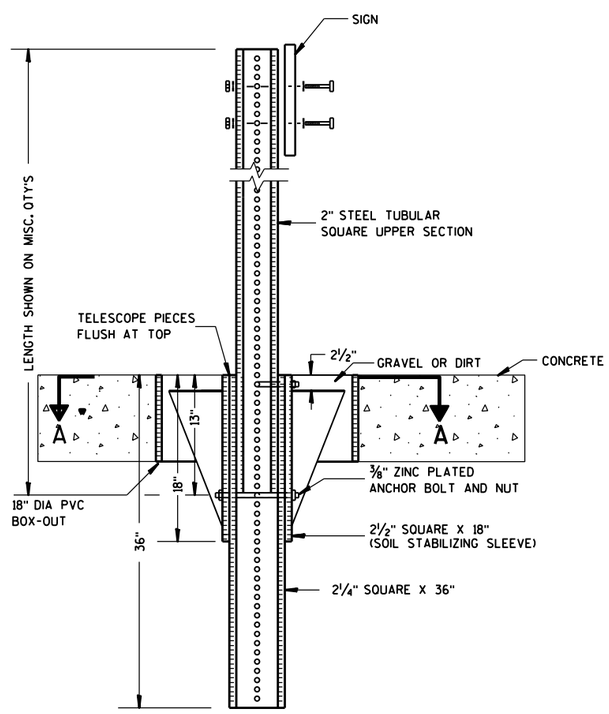
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 292	E



ELEVATION VIEW

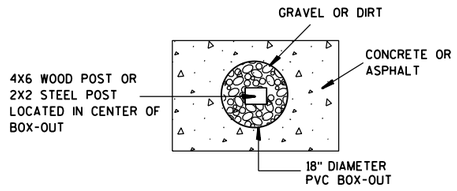
DETAIL OF WOOD 4 X 6 SIGN POST IN BOX-OUT

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



ELEVATION VIEW

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



PLAN VIEW

FOR NEW CONCRETE/ASPHALT INSTALLATIONS

SIGN POST BOX-OUTS A4-3B

WISCONSIN DEPT OF TRANSPORTATION

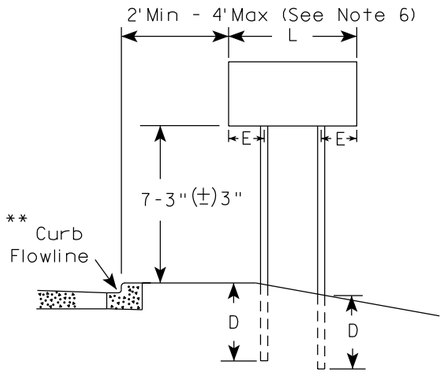
APPROVED Matthew R Rauch
for State Traffic Engineer

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

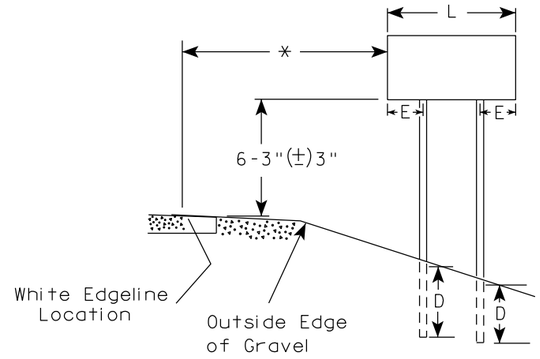
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

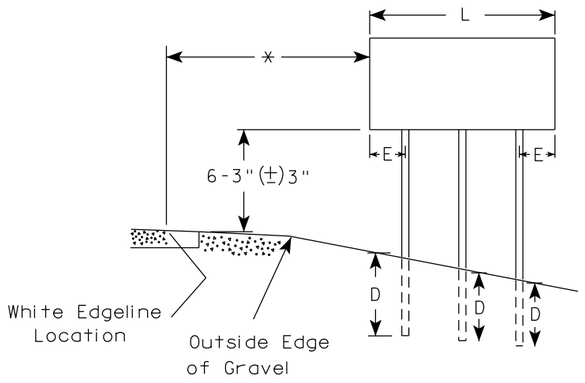
FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A43B.DGN PLOT DATE : 27-JAN-2014 09:48 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 13.659812:1.000000 WISDOT/CADDS SHEET 42

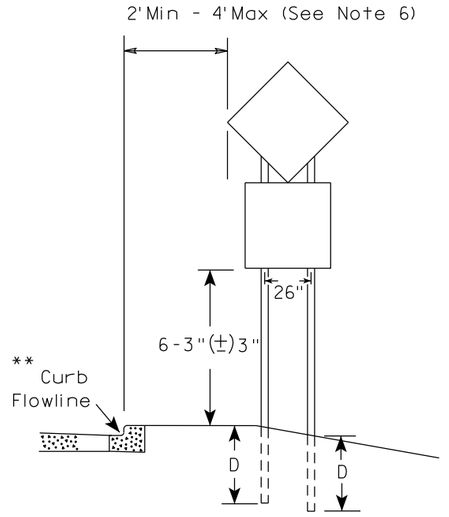
URBAN AREA



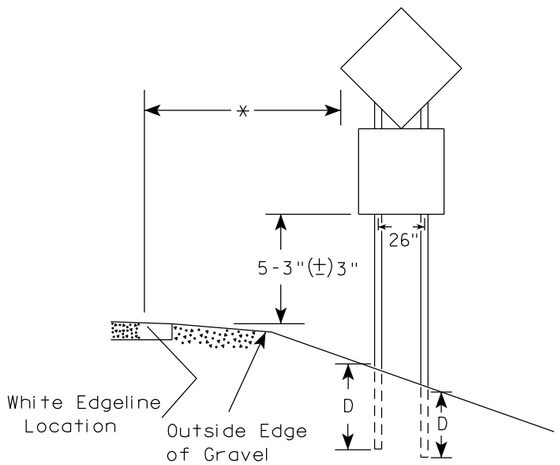
RURAL AREA (See Note 3)







48" DIAMOND WARNING SIGN



48" DIAMOND WARNING SIGN

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

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

GENERAL NOTES

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

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

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

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

POST EMBEDMENT DEPTH

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

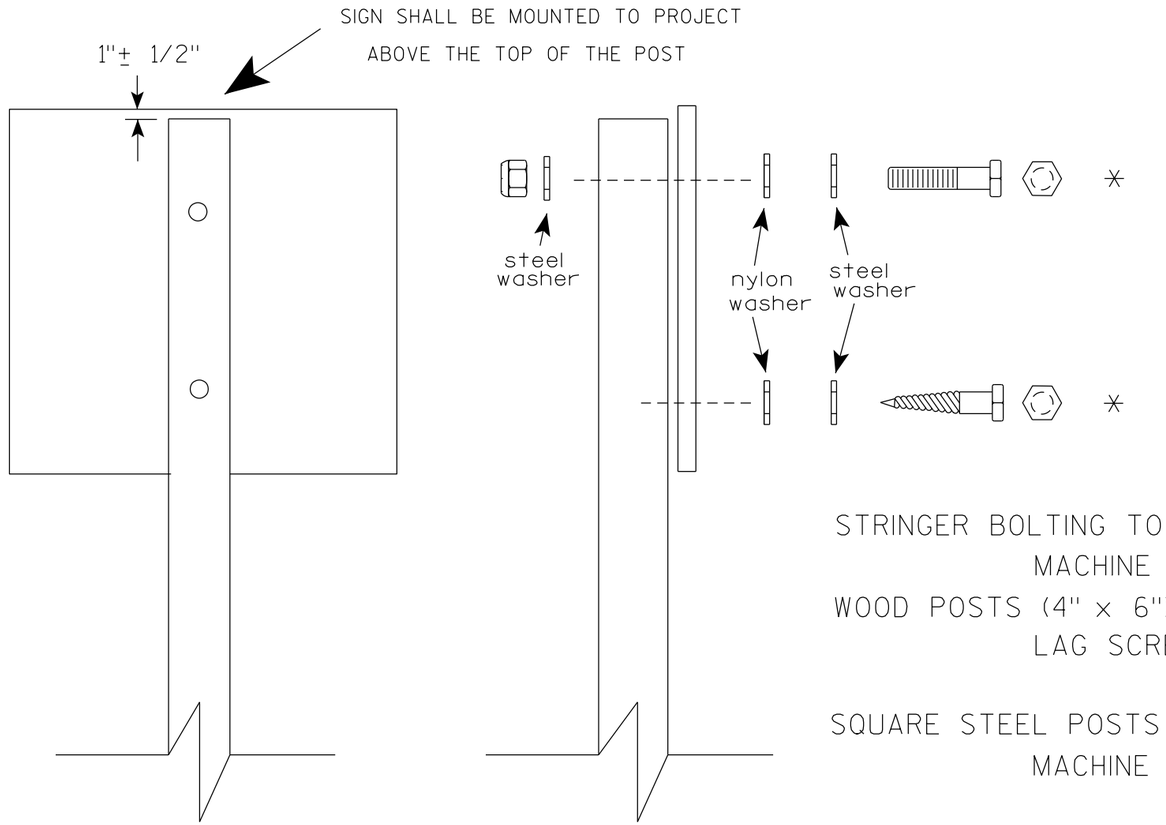
TYPICAL INSTALLATION OF TYPE II SIGNS ON MULTIPLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

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

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 294	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

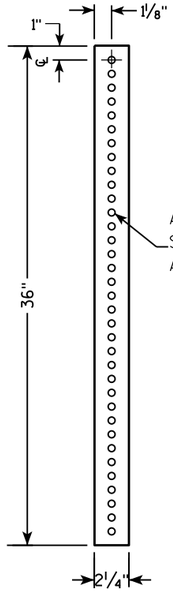
DATE 4/1/2020 PLATE NO. A4-8.9

PROJECT NO:

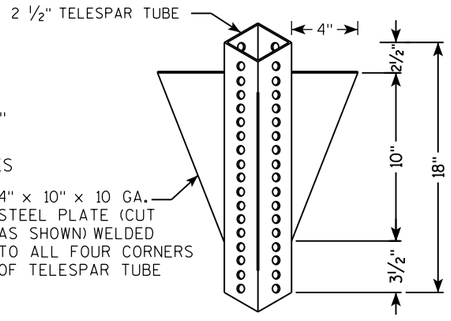
SHEET NO: 295 E

TELESCOPIC TUBING ANCHORS
TWO PIECE SYSTEM

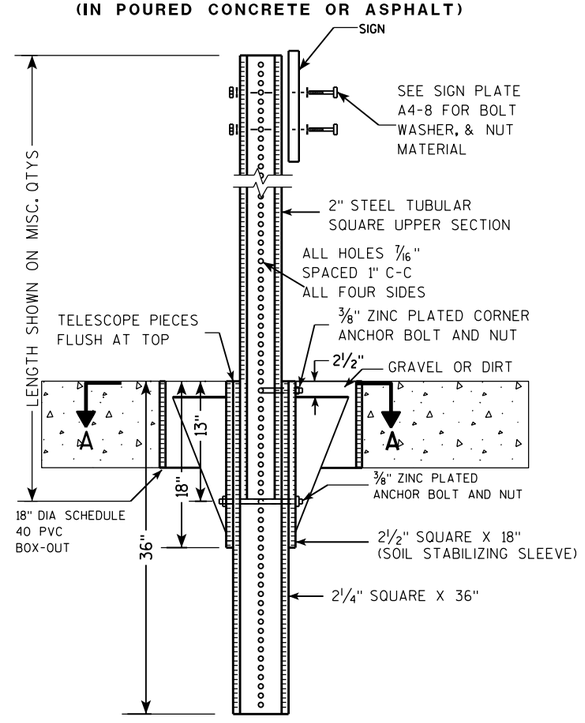
2 1/4 " SQUARE
12 GAUGE
PERFORATED
GALVANIZED FINISH



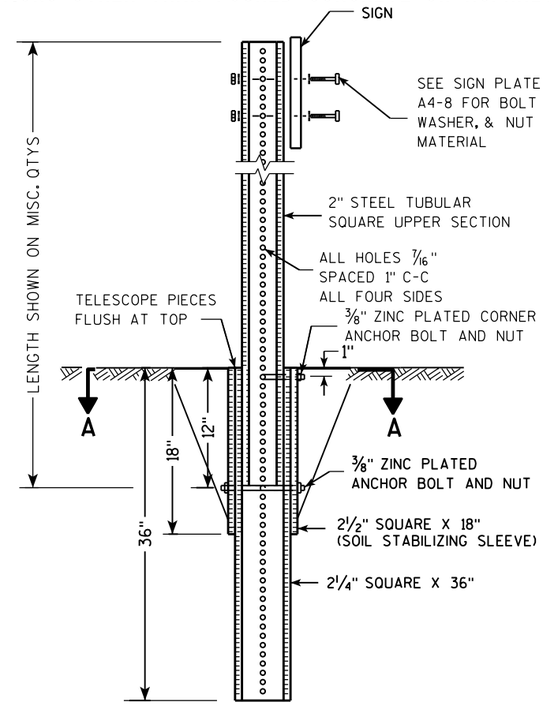
2 1/2 " SQUARE
12 GAUGE
OMNI-DIRECTIONAL
PERFORATED
SOIL STABILIZING SLEEVE
GALVANIZED FINISH

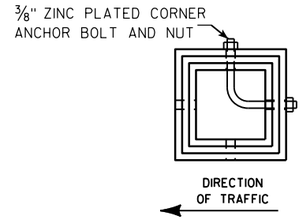


DETAIL OF TUBULAR STEEL SIGN POST
(IN POURED CONCRETE OR ASPHALT)



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





SECTION A-A

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

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

TUBULAR STEEL
SIGN POST
A4-9

WISCONSIN DEPT OF TRANSPORTATION

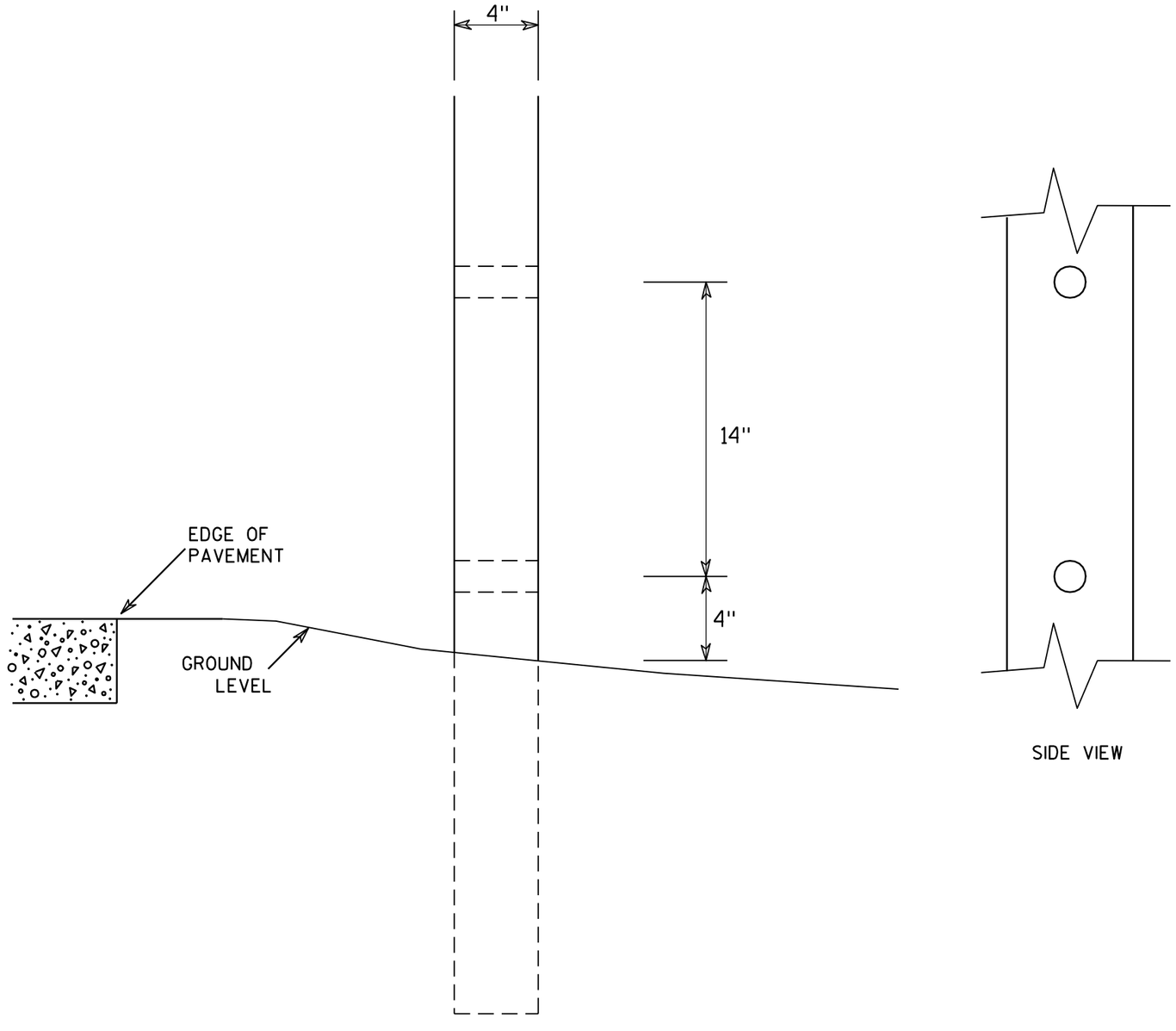
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/05/15 PLATE 296 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.

7

7

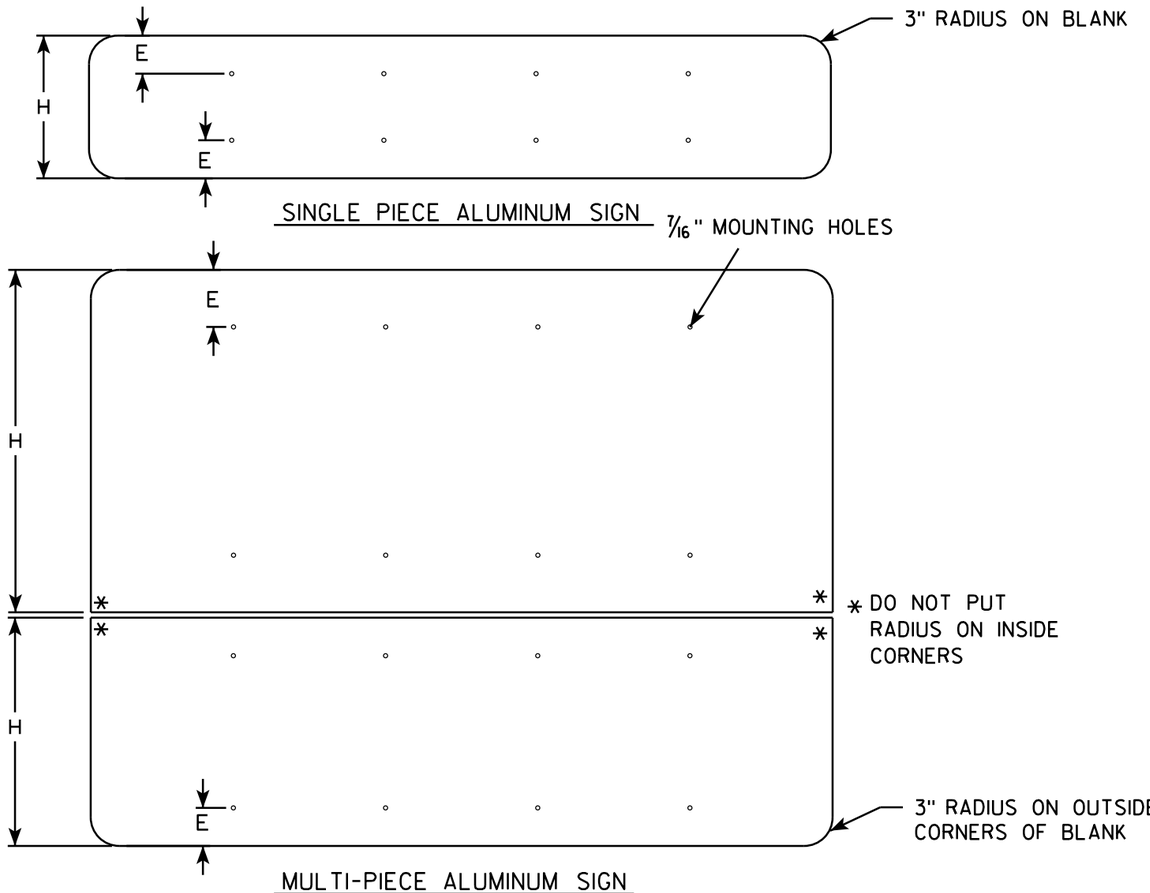
4 X 6 WOOD POST MODIFICATIONS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Chester J Spang for State Traffic Engineer

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

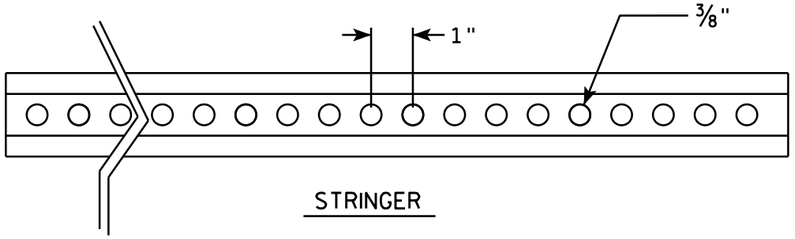
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 297	E



GENERAL NOTES

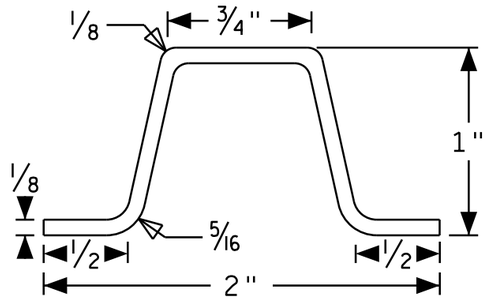
- ALL SIGNS OVER 60" IN WIDTH SHALL HAVE A 3" RADIUS ON THE OUTSIDE CORNERS OF THE ALUMINUM BLANK.
- MOUNTING HOLES SHALL BE 7/16" DIAMETER.
- SEE CHART FOR HOLE SPACING REQUIREMENTS
- FOR SIGN PANELS WITH DIMENSION (H) 36" AND OVER, DIMENSION E SHALL BE 6"
- FOR SIGN PANELS WITH DIMENSION (H) UNDER 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"

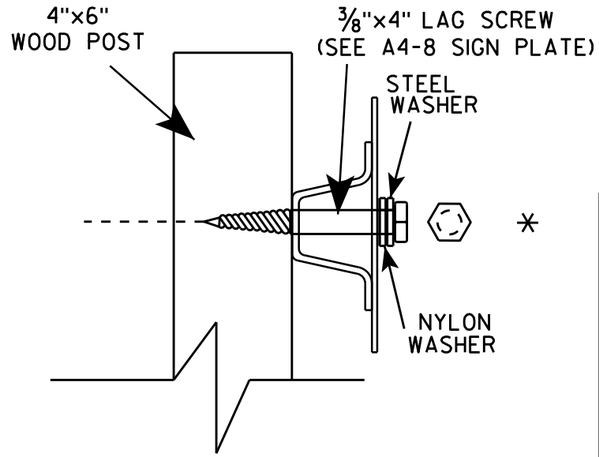


STRINGER

CROSS SECTION VIEW OF CHANNEL



POST MOUNTING



SIGN STRINGER MOUNTING REQUIREMENTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch

for State Traffic Engineer

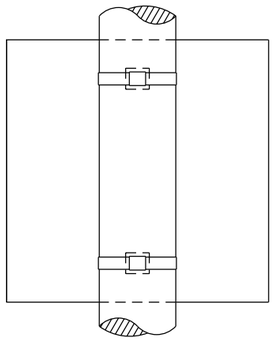
DATE 4/26/16 PLATE NO A4-18.1

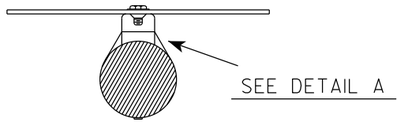
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

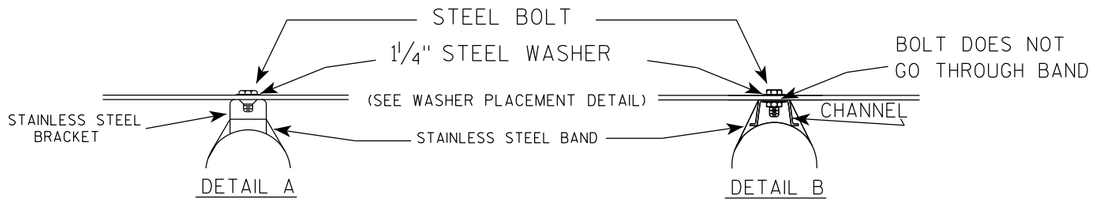
FILE NAME : C:\CAEfiles\Projects\tr_stdplate\A418.dgn PLOT DATE : 27-APR-2016 13:56 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 41.805205:1.000000

BANDING

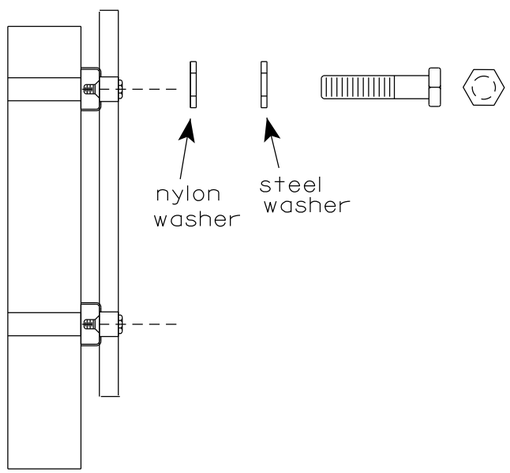
SINGLE SIGN







WASHER PLACEMENT

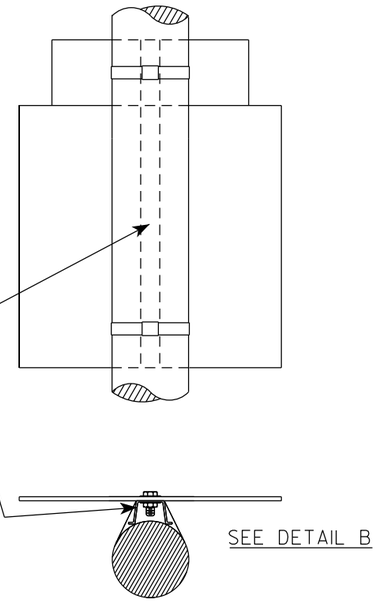


WASHERS (ALL POSTS) -
1-1/4" O.D. X 3/8" I.D. X 1/16" STEEL
1-1/4" O.D. X 3/8" I.D. X .080 NYLON
FOR ALL TYPE H SIGNS

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

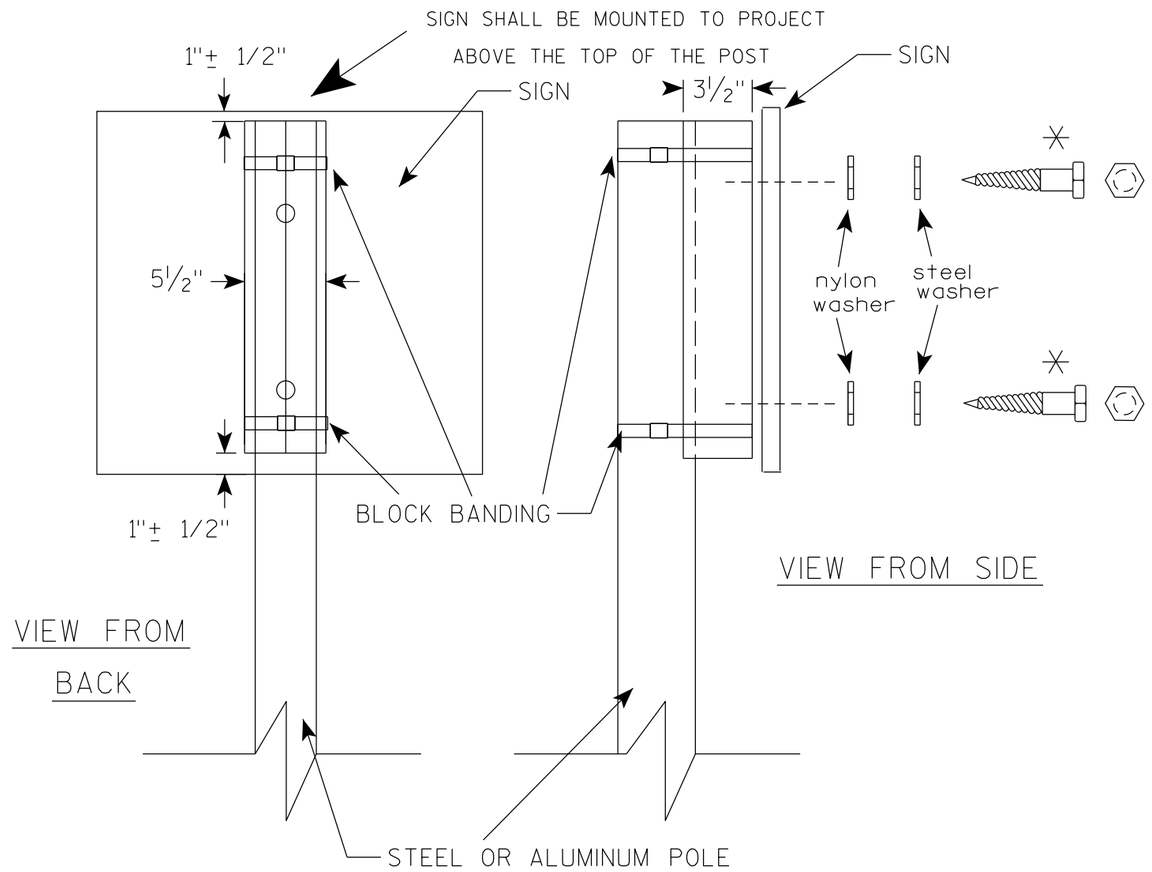
DATE 6/10/19 PLATE NO. A5-9.4

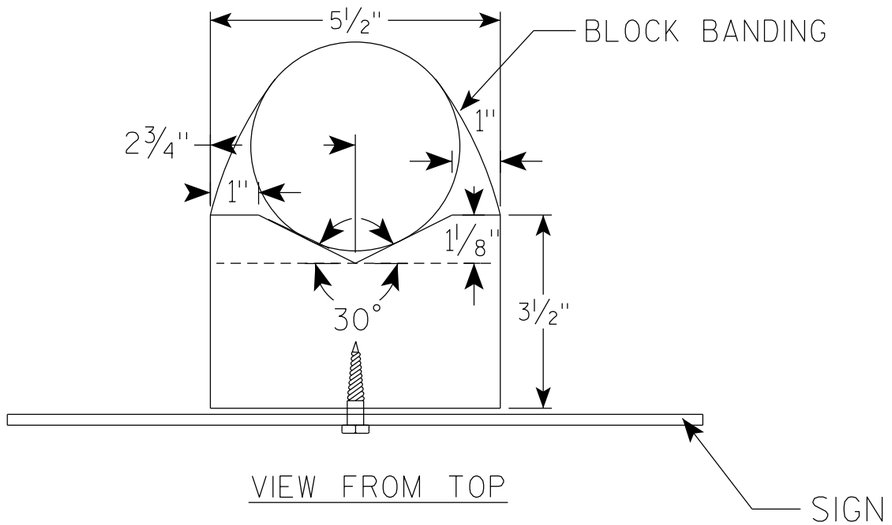
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 299	E

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)

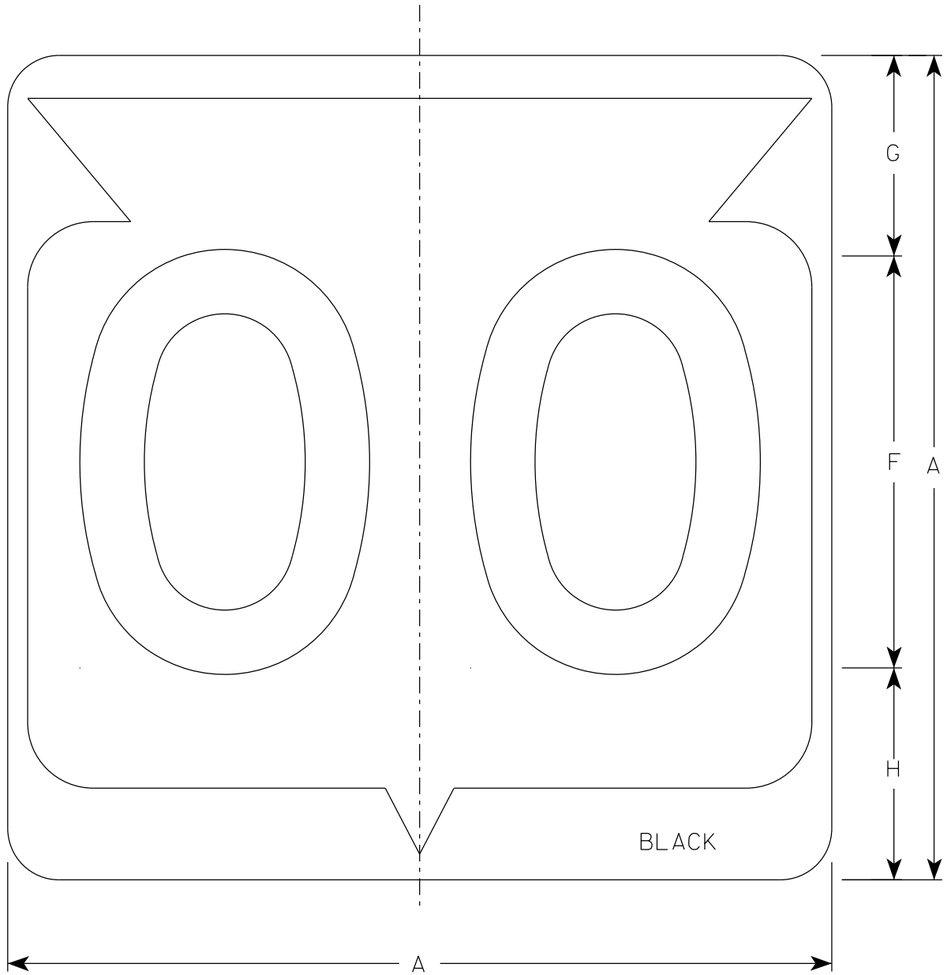
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

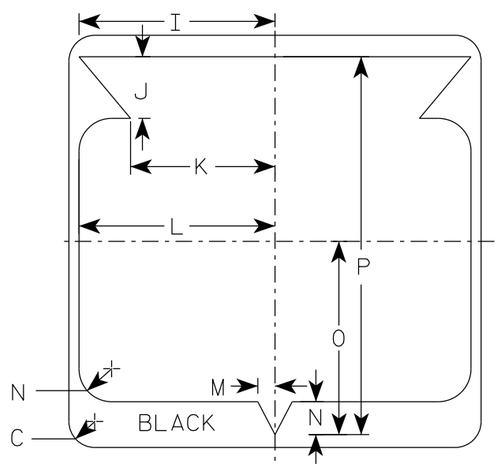
DATE 4/19/2022 PLATE NO. A5-10.3

PROJECT NO:

SHEET NO: 300 E



M1-6



NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D except 3 number signs Series C

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24		1 1/2			12	5 1/2	6 1/2	10 1/4	2 1/2	8 7/8	11 1/2	1	1 7/8	11 1/4	21 7/8											4.0
2M	24		1 1/2			12	5 1/2	6 1/2	10 1/4	2 1/2	8 7/8	11 1/2	1	1 7/8	11 1/4	21 7/8											4.0
3	36		2 1/4			18	8 3/4	9 1/4	15 3/8	5 3/8	12 5/8	17 1/8	1 1/2	2 7/8	16 7/8	33											9.0
4	36		2 1/4			18	8 3/4	9 1/4	15 3/8	5 3/8	12 5/8	17 1/8	1 1/2	2 7/8	16 7/8	33											9.0
5	36		2 1/4			18	8 3/4	9 1/4	15 3/8	5 3/8	12 5/8	17 1/8	1 1/2	2 7/8	16 7/8	33											9.0

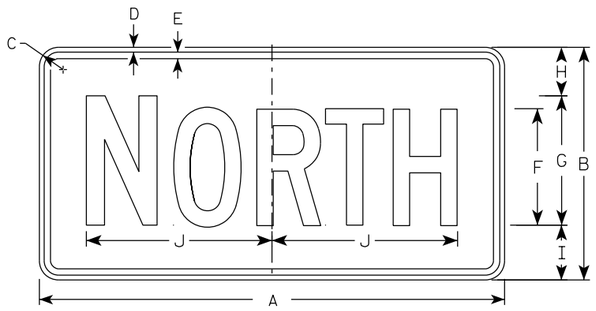
STATE ROUTE MARKER
M1-6 FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

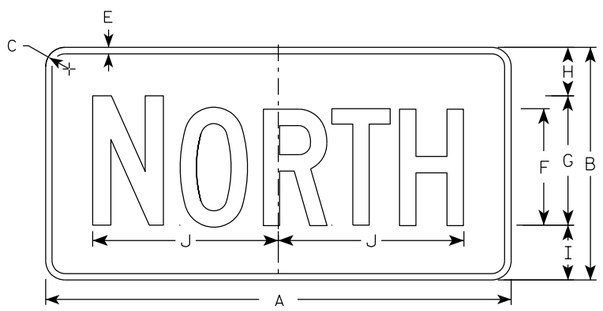
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/8/2022 PLATE NO. M1-6.11

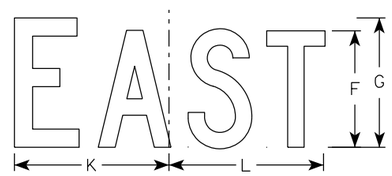
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 301	E



M3-1
MM3-1
MP3-1



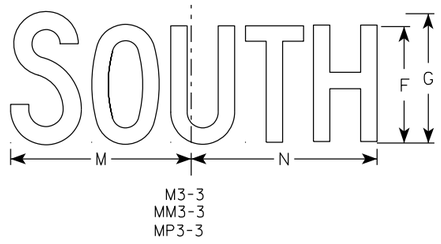
MB3-1
MK3-1
MN3-1



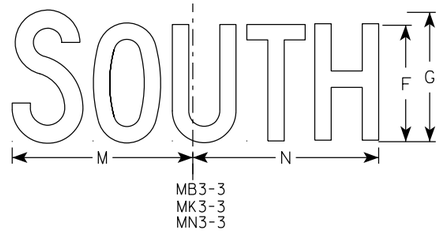
M3-2
MM3-2
MP3-2



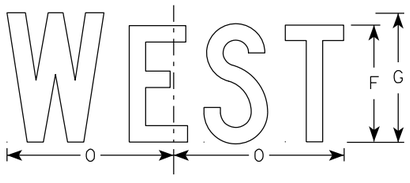
MB3-2
MK3-2
MN3-2



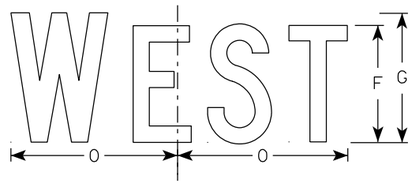
M3-3
MM3-3
MP3-3



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

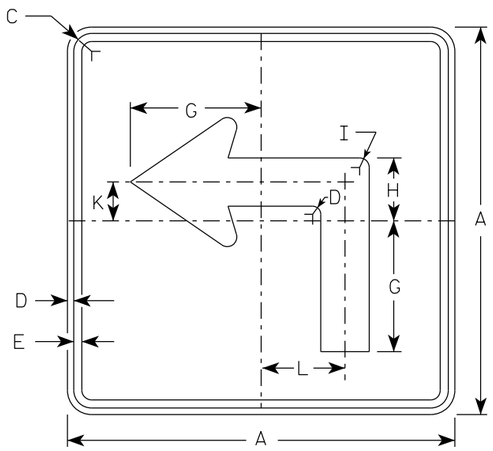
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

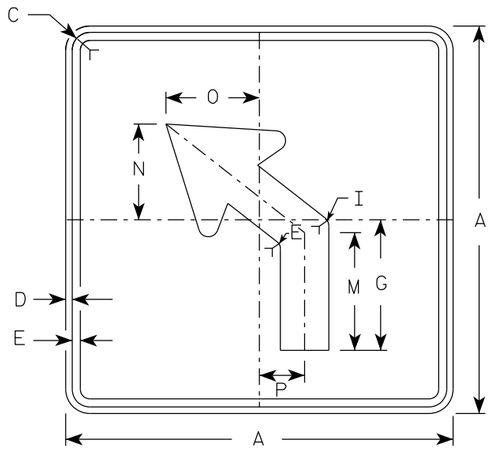
DATE 2/8/2023 PLATE NO. M3-1.15

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 302 | E

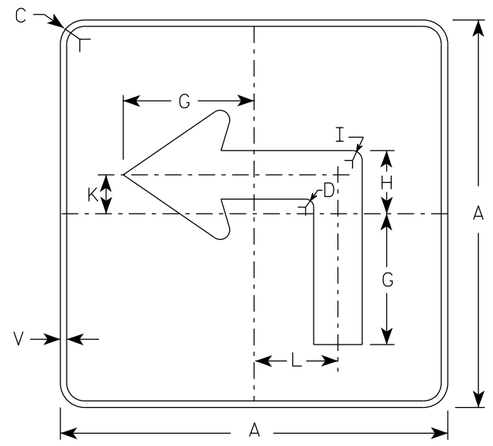
7



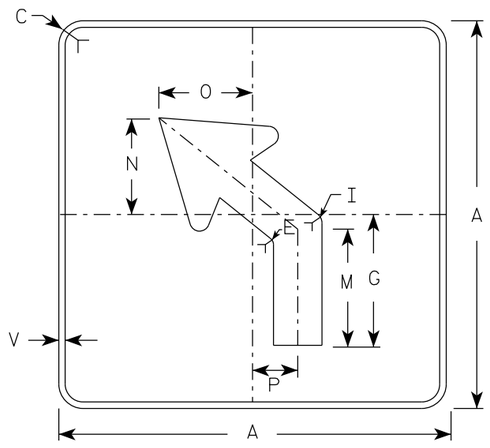
M5-1L
MM5-1L
MO5-1L
MP5-1L



M5-2L
MM5-2L
MO5-2L
MP5-2L



MB5-1L
MK5-1L
MN5-1L
MR5-1L

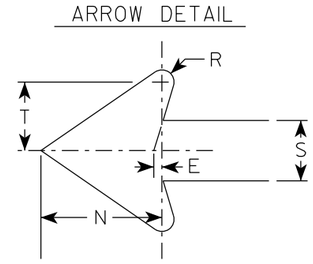


MB5-2L
MK5-2L
MN5-2L
MR5-2L

NOTES

1. Signs are Type II - Type H reflective except as shown
2. Color:
   Background - See note 4
   Message - See note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. M5-1 and M5-2 Background - White
   Message - Black
   MB5-1 and MB5-2 Background - Blue
   Message - White
   MK5-1 and MK5-2 Background - Green
   Message - White
   MM5-1 and MM5-2 Background - White
   Message - Green
   MN5-1 and MN5-2 Background - Brown
   Message - White
   MO5-1 and MO5-2 Background - Orange - Type F Reflective
   Message - Black
   MP5-1 and MP5-2 Background - White
   Message - Blue
   MR5-1 and MR5-2 Background - Brown
   Message - Yellow
5. M5-1R same as M5-1L except arrow points right.
6. M5-2R same as M5-2L except arrow tilts right.

ARROW DETAIL



SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	21		1 1/2	3/8	3/8		7	3 3/8	5/8		2 1/8	4 1/2	6 3/8	5 1/4	5	2 1/2		1/2	2 5/8	3		1/2					3.06
2M	21		1 1/2	3/8	3/8		7	3 3/8	5/8		2 1/8	4 1/2	6 3/8	5 1/4	5	2 1/2		1/2	2 5/8	3		1/2					3.06
3	30		1 7/8	1/2	5/8		10 1/8	4 7/8	7/8		3	6 1/2	9 1/8	7 1/2	7 1/4	3 1/2		3/4	3 3/4	4 1/4		1/2					6.25
4	30		1 7/8	1/2	5/8		10 1/8	4 7/8	7/8		3	6 1/2	9 1/8	7 1/2	7 1/4	3 1/2		3/4	3 3/4	4 1/4		1/2					6.25
5	30		1 7/8	1/2	5/8		10 1/8	4 7/8	7/8		3	6 1/2	9 1/8	7 1/2	7 1/4	3 1/2		3/4	3 3/4	4 1/4		1/2					6.25

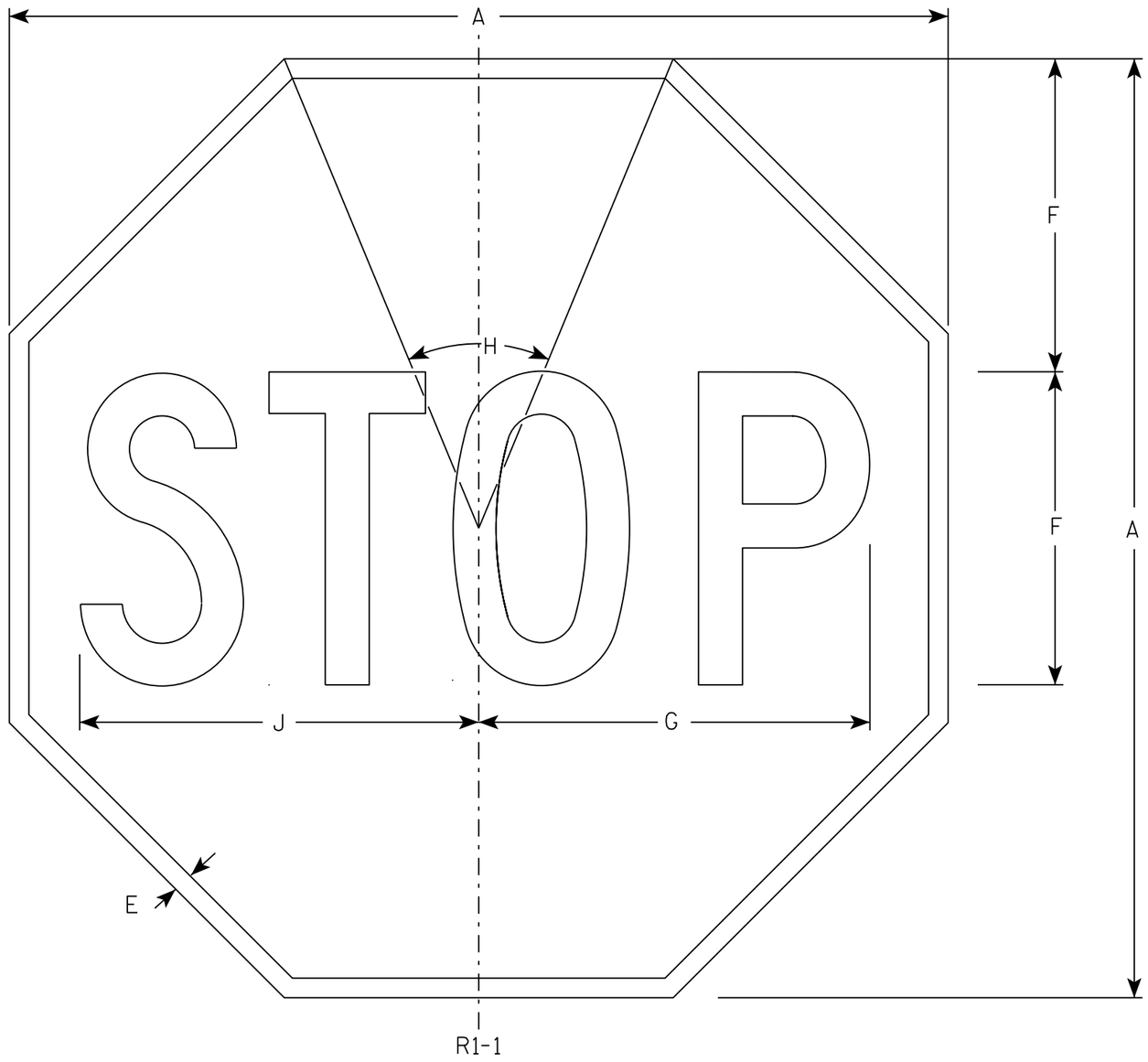
STANDARD SIGN
M5-1 & M5-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/13/2023 PLATE NO. M5-1.15

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 303 | 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

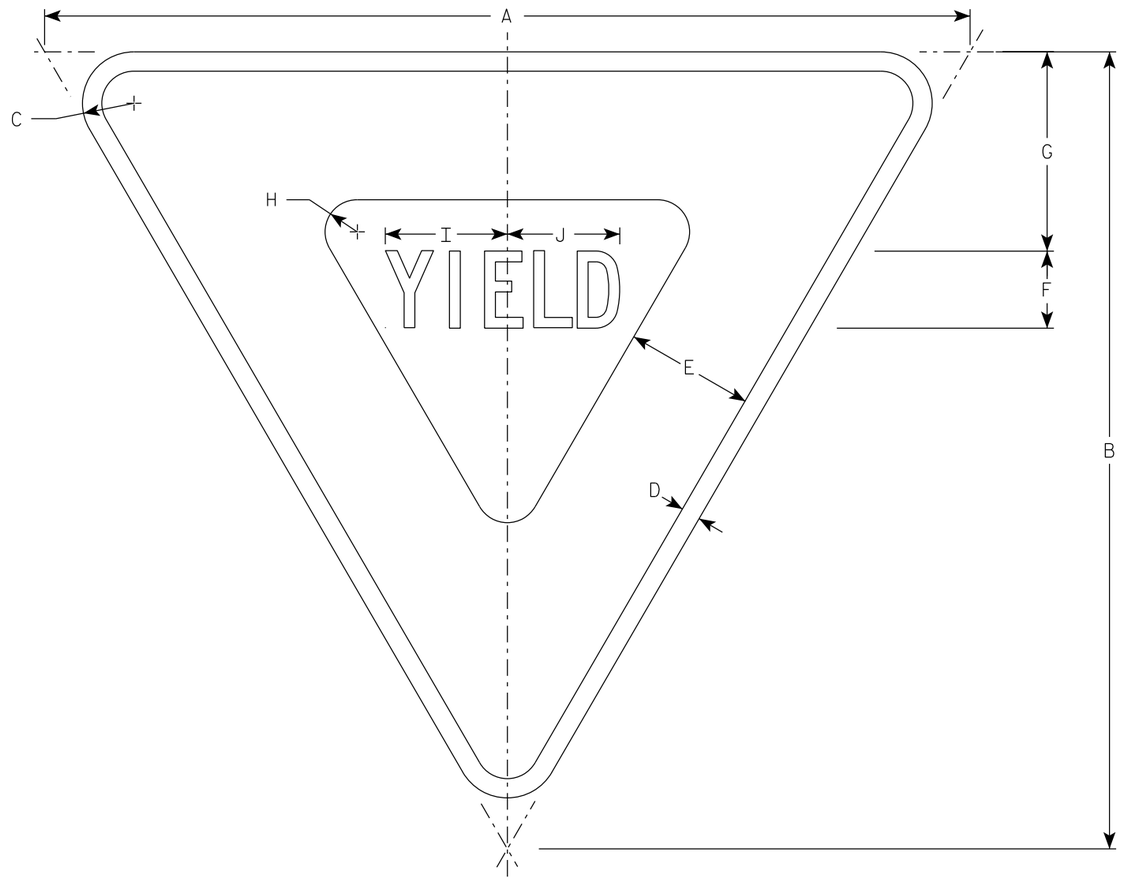
STANDARD SIGN
R1-1

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: 304	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

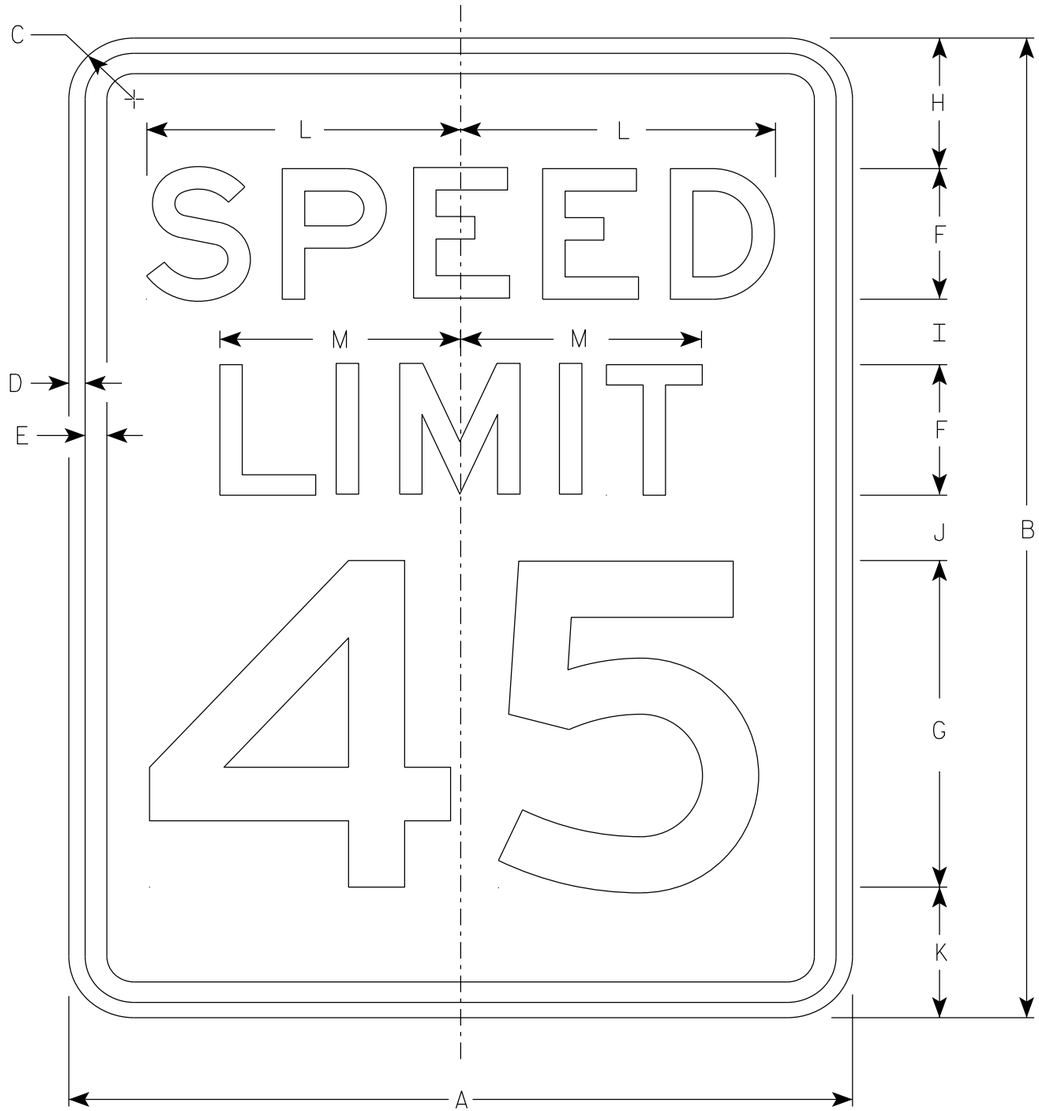
STANDARD SIGN
R1-2

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: 305	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

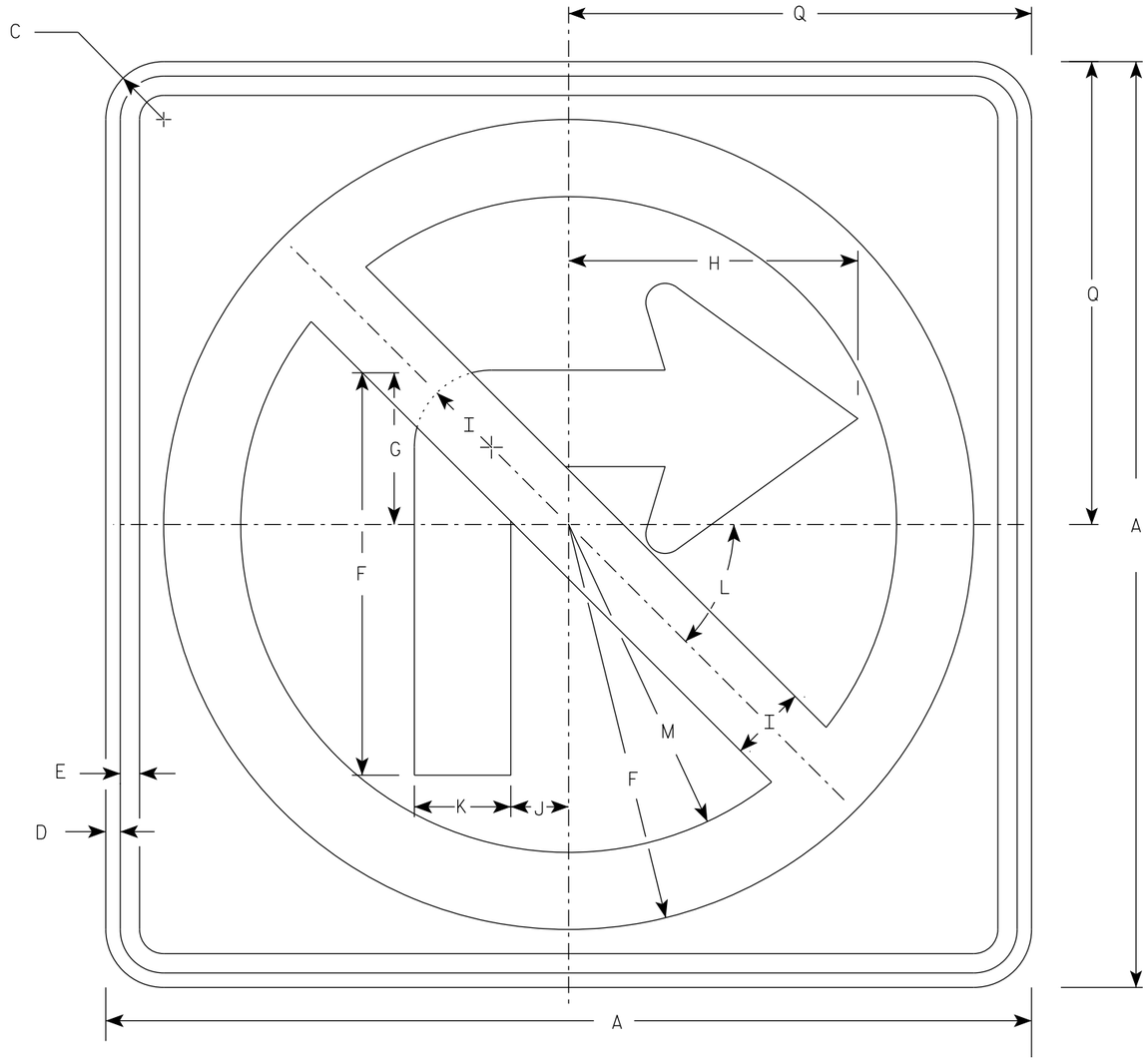
STANDARD SIGN
R2-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/1/23 PLATE NO. R2-1.14

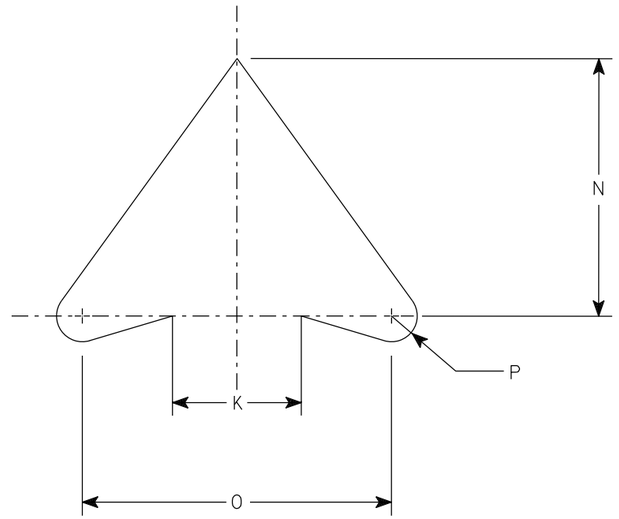
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 306 | E



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

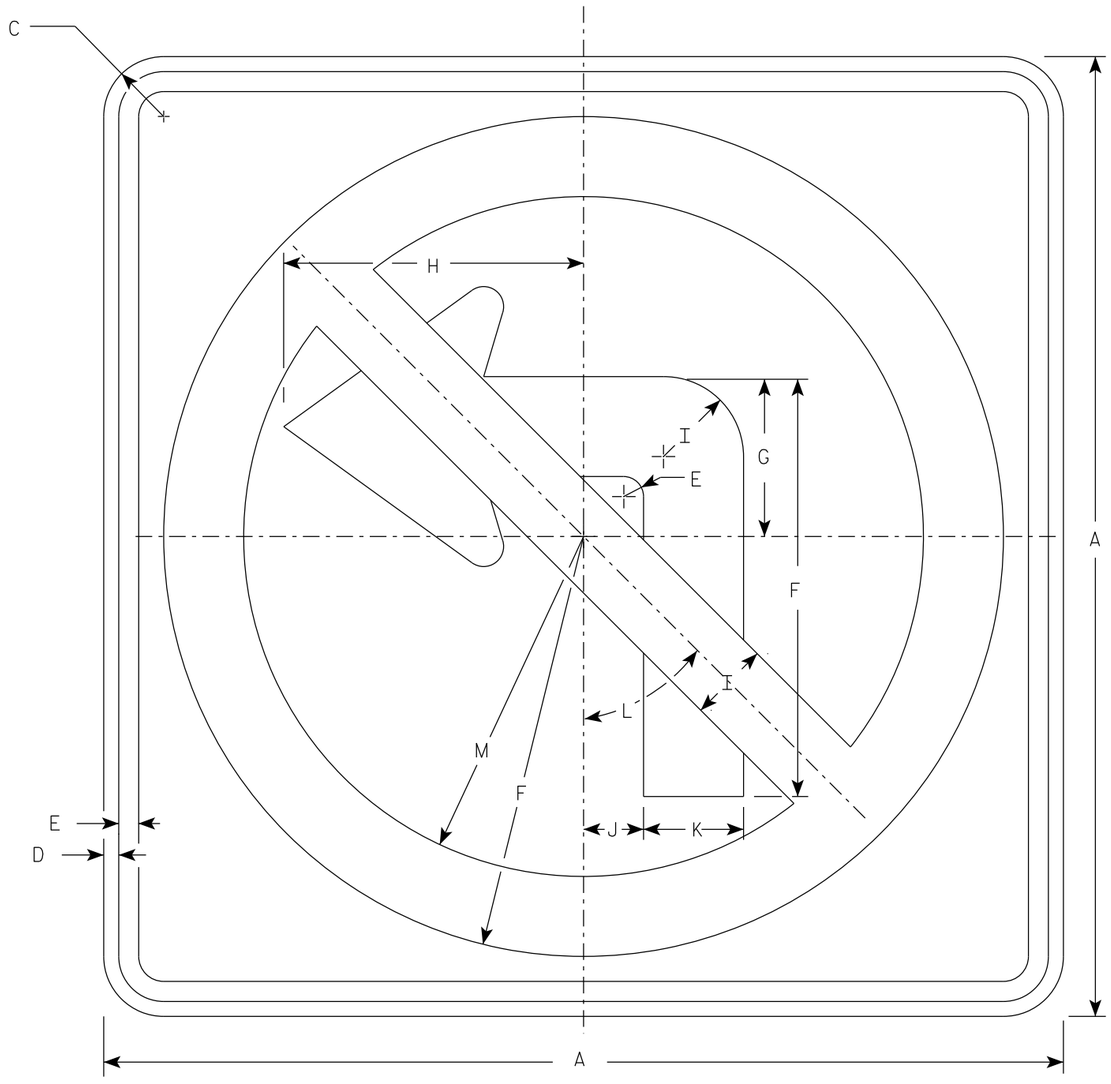
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/2/23 PLATE NO. R3-1.6

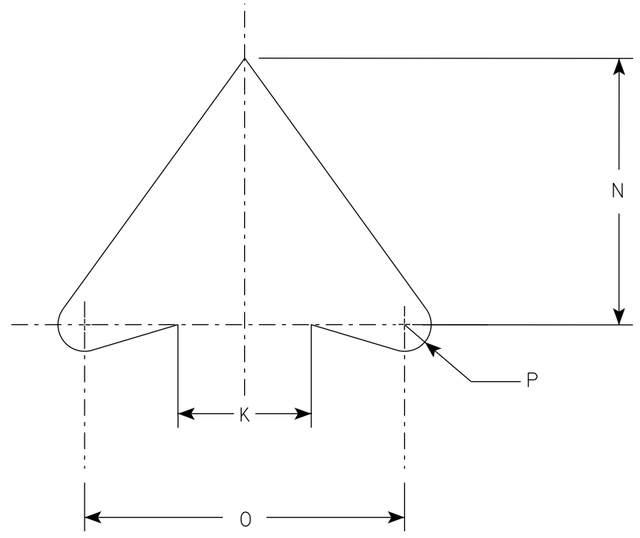
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 307 | E

NOTES

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



R3-2



ARROW DETAIL

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

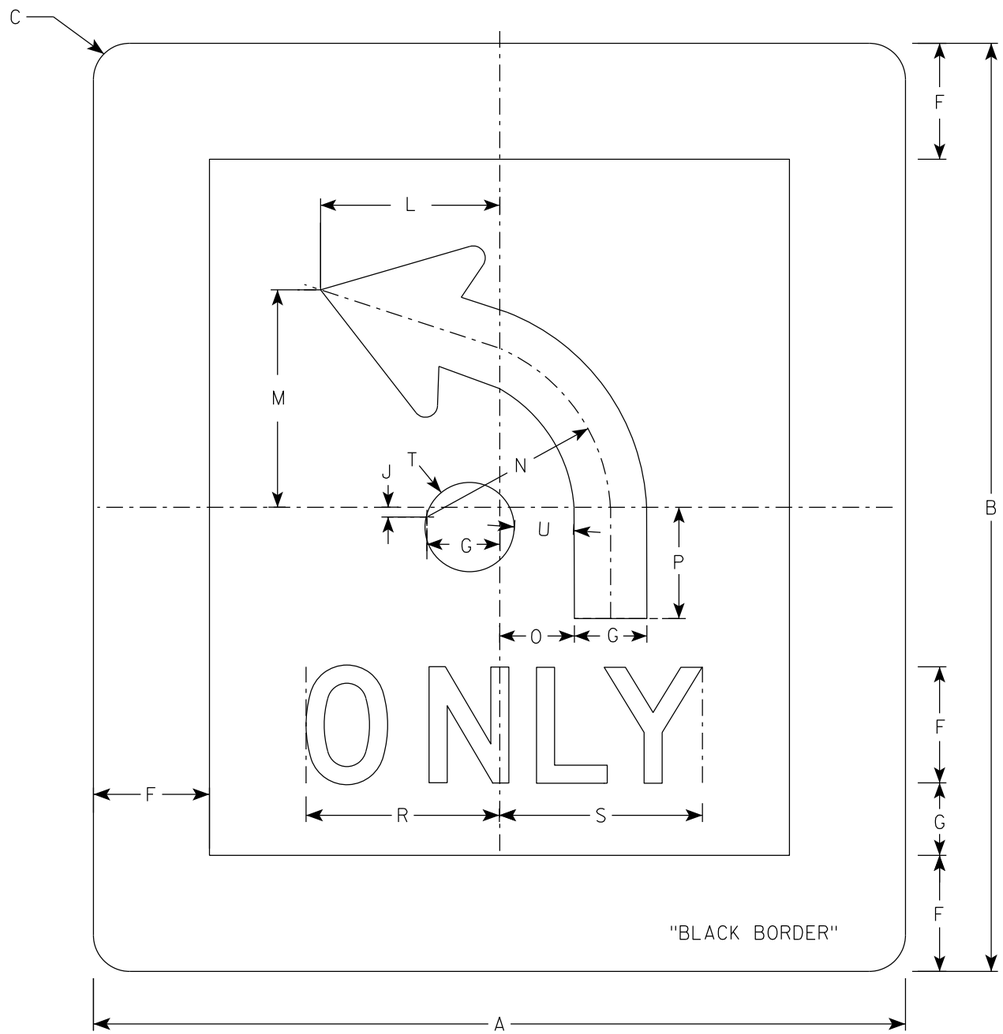
STANDARD SIGN
R3-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

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

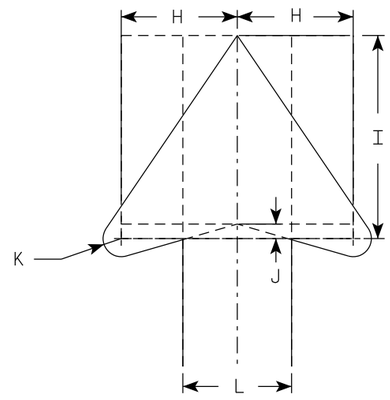
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 308 | E



R3-5X

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.



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	3 3/4	4	7	1/2	5/8	9 1/4	11 1/4	9 1/2	3 7/8	5 3/4		10	10 1/2	4 1/2	3						14.0
2M	42	48	1 7/8			6	3 3/4	4	7	1/2	5/8	9 1/4	11 1/4	9 1/2	3 7/8	5 3/4		10	10 1/2	4 1/2	3						14.0
3																											
4																											
5																											

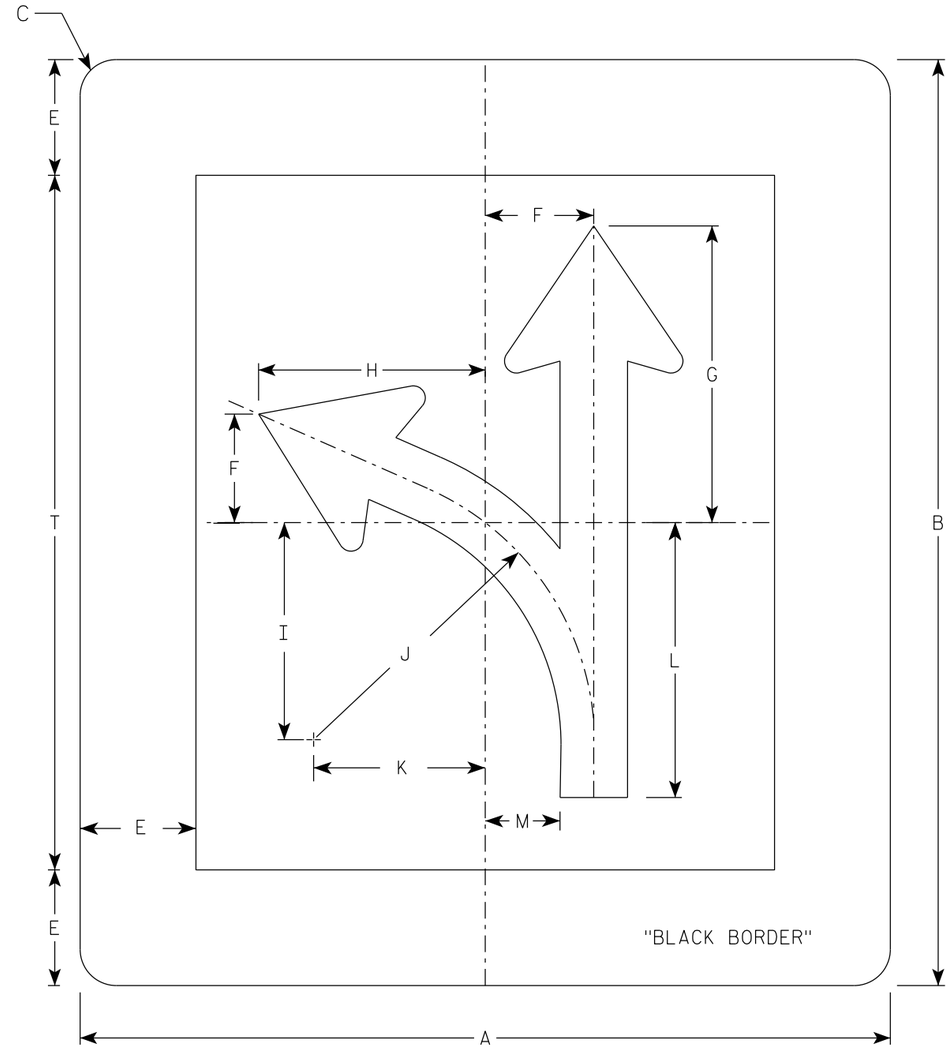
STANDARD SIGN
R3-5X

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 3/26/24 PLATE NO. R3-5X.4

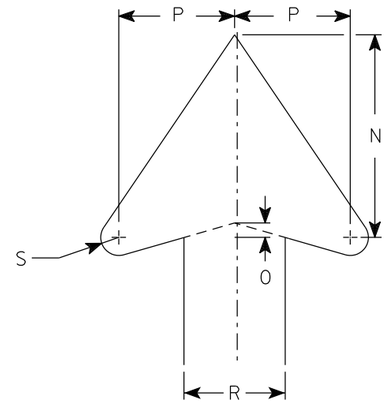
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 309	E



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																											

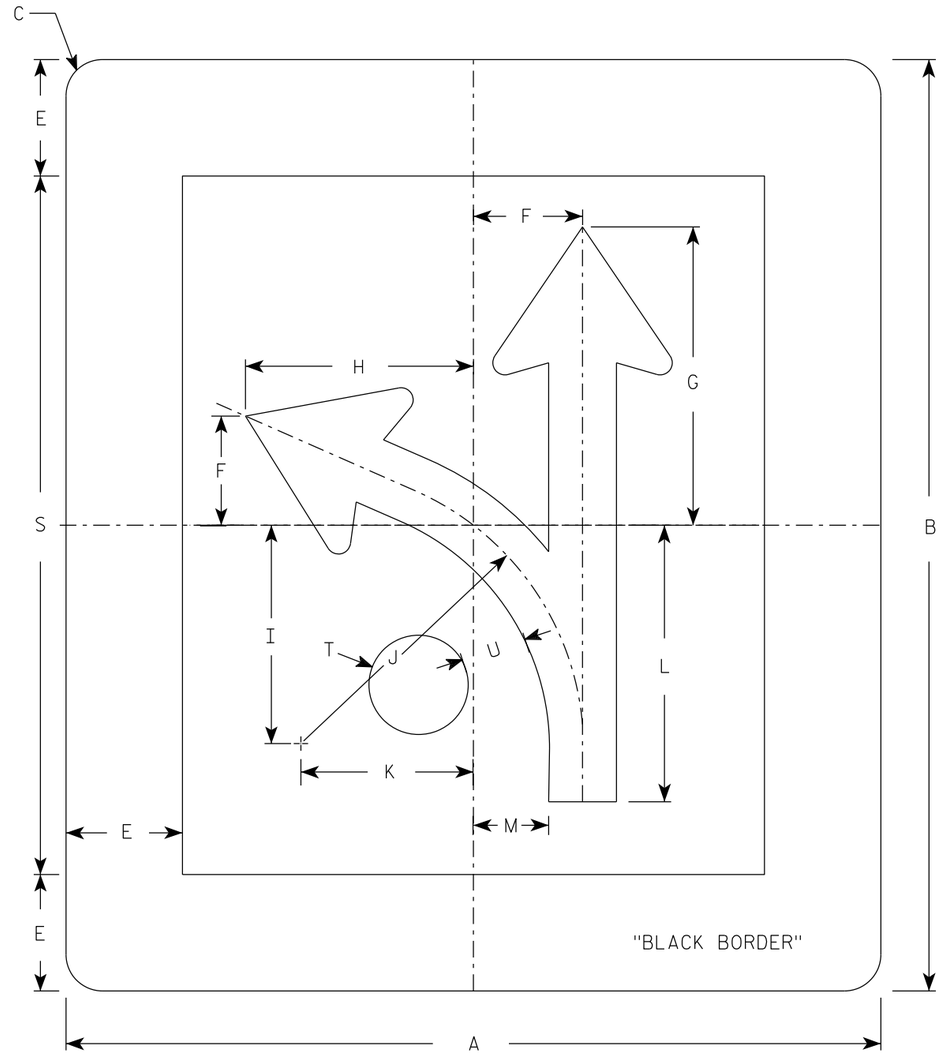
STANDARD SIGN
R3-6

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/26/24 PLATE NO. R3-6.6

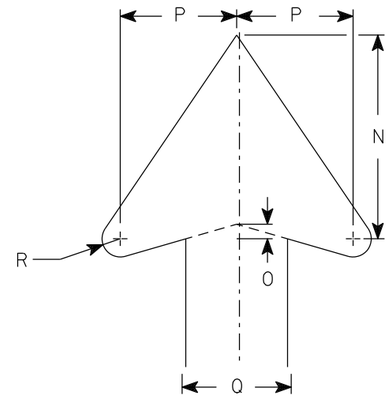
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 310 | E



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																											

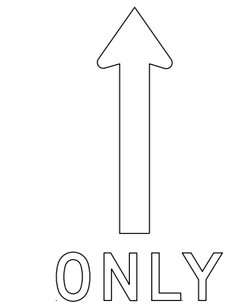
STANDARD SIGN
R3-6X

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/27/24 PLATE NO. R3-6X.4

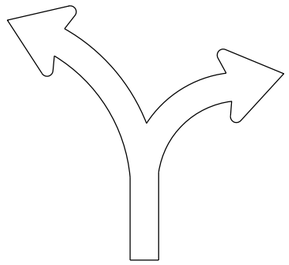
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 311 | E

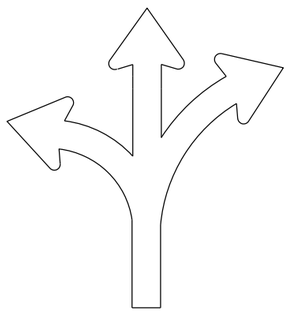


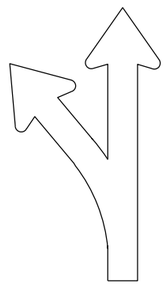
(A)

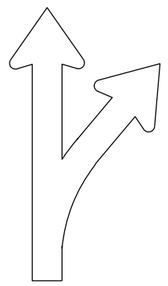


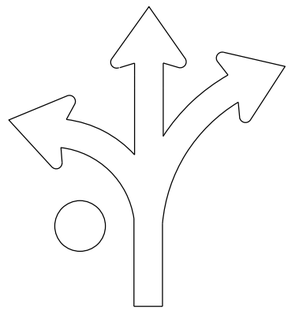
(B)

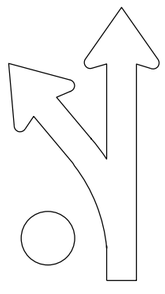

(C)

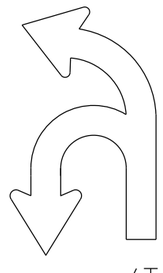

(D)

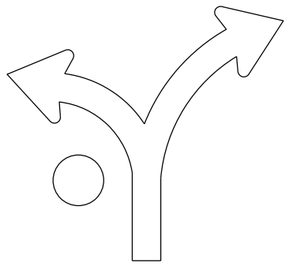

(E)

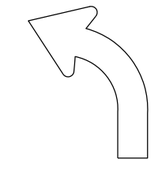

(F)


(G)

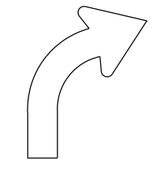

(H)


(I)


(J)



(L)



(R)

NOTES

1. Sigs are Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D
4. Use appropriate Letter for Sign Code
   Each letter added makes sign wider. Example R3-8EAR
5. Square footage of sign varies by letters

1	Letter =	3.75 sq ft for Size 2
		6.0 sq ft for Size 3
		10.0 sq ft for Size 4 or 5
2	Letters =	7.5 sq ft for Size 2
		12.0 sq ft for Size 3
		20.0 sq ft for Size 4 or 5
3	Letters =	11.25 sq ft for Size 2
		18.0 sq ft for Size 3
		30.0 sq ft for Size 4 or 5
4	Letters =	15.0 sq ft for Size 2
		24.0 sq ft for Size 3
		40.0 sq ft for Size 4 or 5
5	Letters =	18.75 sq ft for Size 2
		30.0 sq ft for Size 3
		50.0 sq ft for Size 4 or 5
6	Letters =	22.5 sq ft for Size 2
		36.0 sq ft for Size 3
		60.0 sq ft for Size 4 or 5

6. When letters C,D,G,J are used on the Left or Right end of the sign the Sq. Ft. changes.
   Add the amounts when these letters are used:
   1.25 sq ft for Size 2
   1.5 sq ft for Size 3
   2.0 sq ft for Size 4 or 5

STANDARD SIGN
R3-8 Series

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/14/23 PLATE NO. R3-8.2

PROJECT NO:

SHEET NO: 312 E

FILE NAME : C:\CAEfiles\Projects\stdplate_R38.dgn PLOT DATE : 14-FEB 2023 3:01 PLOT BY : mscj9h PLOT NAME :

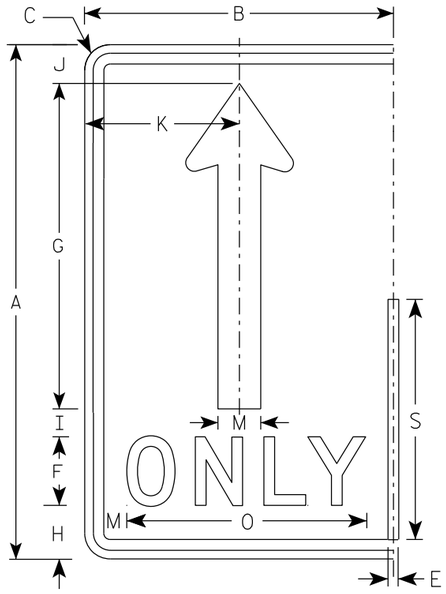
WISDOT/CADDS SHEET 42

7

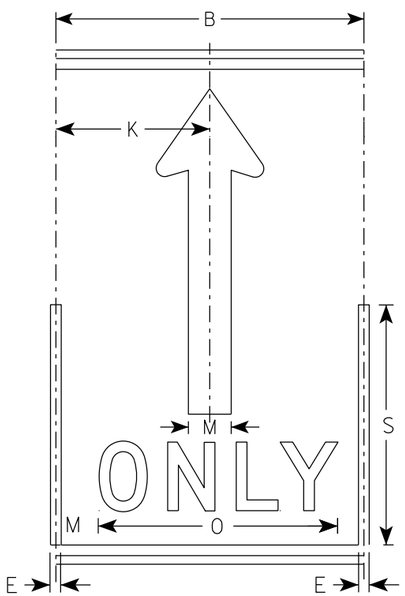
7

NOTES

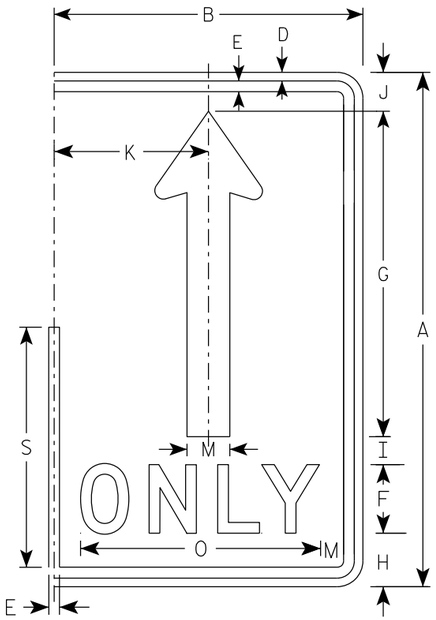
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D



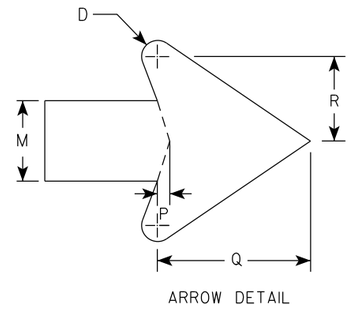
(A)



(A)



(A)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	18	1 1/2	1/2	5/8	4	19	3 1/8	1 5/8	2 1/4	9		2 1/2		14	3/8	4 3/4	2 5/8	14								3.75
2M	30	18	1 1/2	1/2	5/8	4	19	3 1/8	1 5/8	2 1/4	9		2 1/2		14	3/8	4 3/4	2 5/8	14								3.75
3	36	24	1 1/2	1/2	5/8	5	22 3/4	3 3/4	1 3/4	2 3/4	12		3		17 5/8	1/2	5 3/4	3 1/8	16 3/4								6.0
4	48	30	2 1/4	3/4	1	6	30 3/8	5 1/8	2 7/8	3 5/8	15		4		21 3/4	5/8	7 5/8	4 1/4	22 3/8								10.0
5	48	30	2 1/4	3/4	1	6	30 3/8	5 1/8	2 7/8	3 5/8	15		4		21 3/4	5/8	7 5/8	4 1/4	22 3/8								10.0

STANDARD SIGN
R3-8 (A) Arrow

WISCONSIN DEPT OF TRANSPORTATION

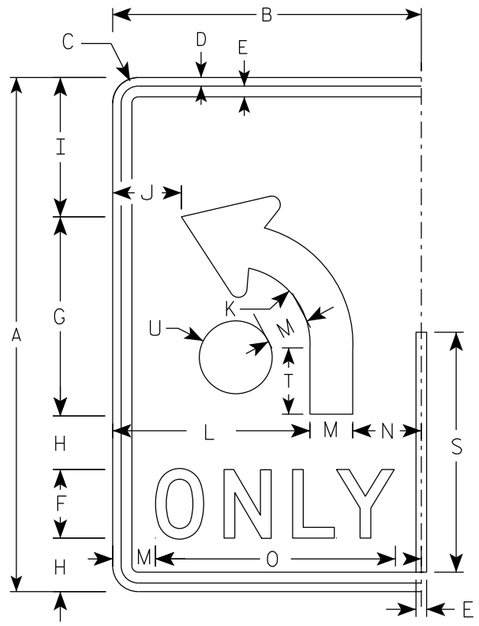
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/14/23 PLATE NO. R3-8.2

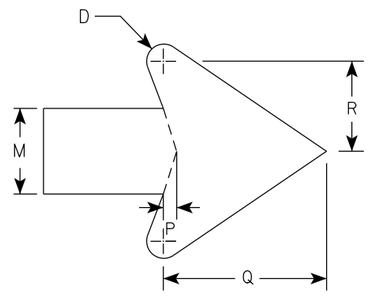
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 313 | E

NOTES

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



(B)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	18	1 1/2	1/2	5/8	4	11 5/8	3 1/8	8 1/8	4	4 1/2	11 1/2	2 1/2	4	14	3/8	4 3/4	2 5/8	14	3 7/8	2 1/8						3.75
2M	30	18	1 1/2	1/2	5/8	4	11 5/8	3 1/8	8 1/8	4	4 1/2	11 1/2	2 1/2	4	14	3/8	4 3/4	2 5/8	14	3 7/8	2 1/8						3.75
3	36	24	1 1/2	1/2	5/8	5	14	3 1/2	9 3/4	6	5 3/8	15	3	6	17 5/8	1/2	5 3/4	3 1/8	16 3/4	4 5/8	2 1/2						6.0
4	48	30	2 1/4	3/4	1	6	18 5/8	5 1/8	13 1/8	6 1/8	7 1/4	18	4	8	21 3/4	5/8	7 5/8	4 1/4	22 3/8	6 1/4	3 3/8						10.0
5	48	30	2 1/4	3/4	1	6	18 5/8	5 1/8	13 1/8	6 1/8	7 1/4	18	4	8	21 3/4	5/8	7 5/8	4 1/4	22 3/8	6 1/4	3 3/8						10.0

STANDARD SIGN

R3-8 (B) Arrow

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

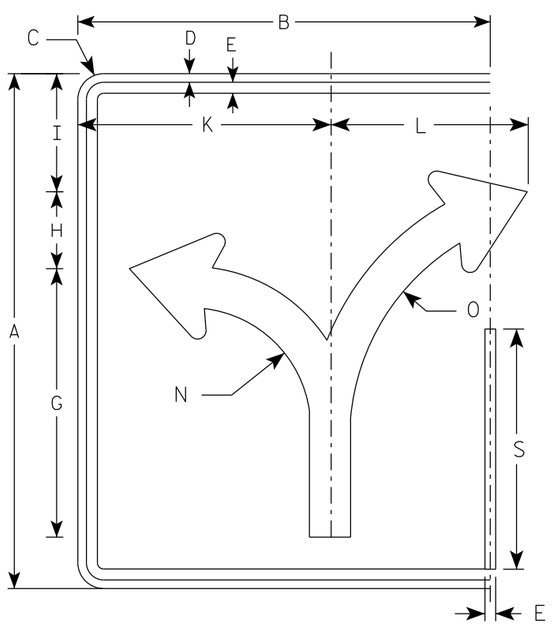
DATE 2/14/23 PLATE NO. R3-8.2

PROJECT NO:

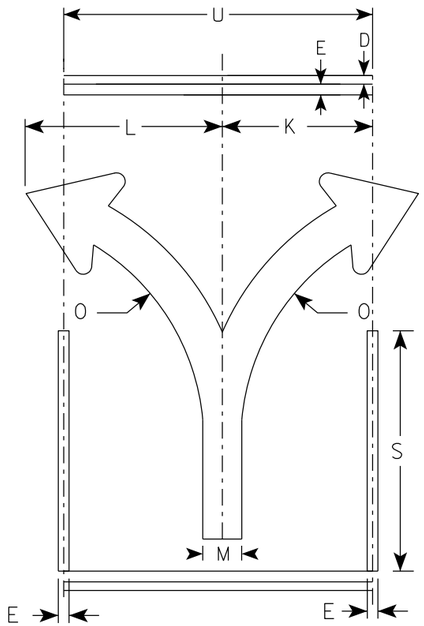
SHEET NO: 314 E

NOTES

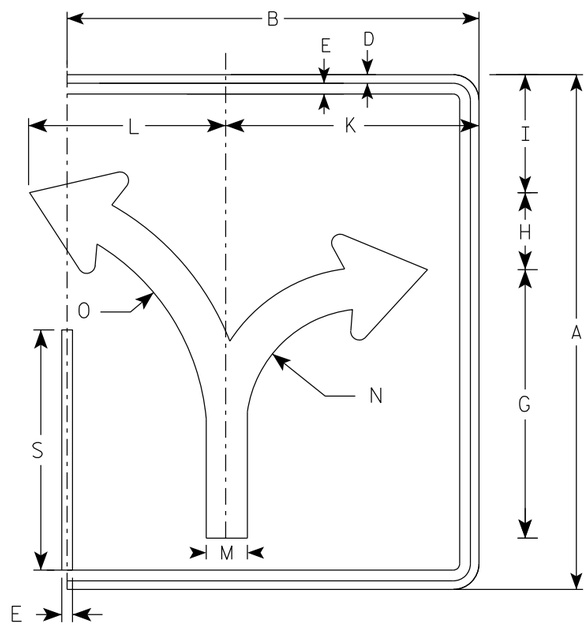
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



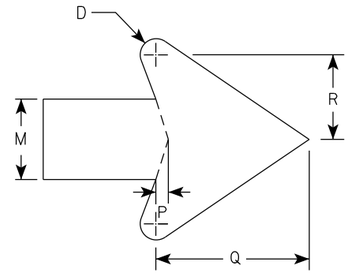
(C)



(C)



(C)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	ENDS Area sq. ft.	MIDDLE Area sq. ft.
1																												
2S	30	24	1 1/2	1/2	5/8		15 5/8	4 1/2	6 7/8		14 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14		18						5.0	3.75
2M	30	24	1 1/2	1/2	5/8		15 5/8	4 1/2	6 7/8		14 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14		18						5.0	3.75
3	36	30	1 1/2	1/2	5/8		18 3/4	5 1/2	8 1/4		17 1/4	17 1/4	2 7/8	8 3/8	16	1/2	5 1/2	3	16 3/4		24						7.5	6.0
4	48	36	2 1/4	3/4	1		24 7/8	7 1/4	11		23 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8		30						12.0	10.0
5	48	36	2 1/4	3/4	1		24 7/8	7 1/4	11		23 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8		30						12.0	10.0

STANDARD SIGN
R3-8 (C) Arrow

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/14/23 PLATE NO. R3-8.2

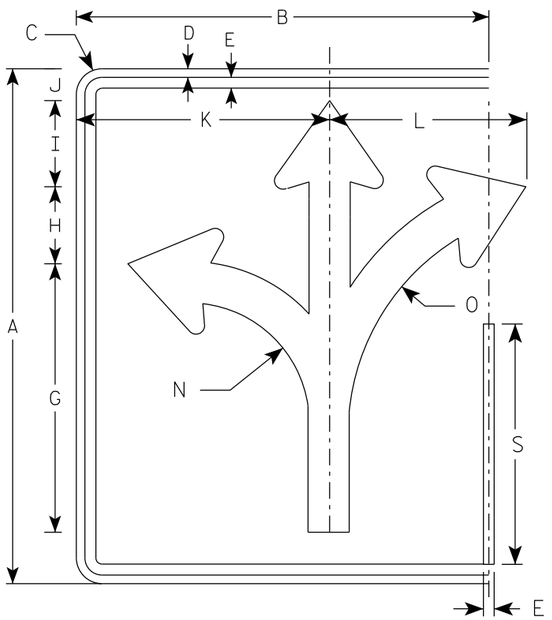
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 315 | E

7

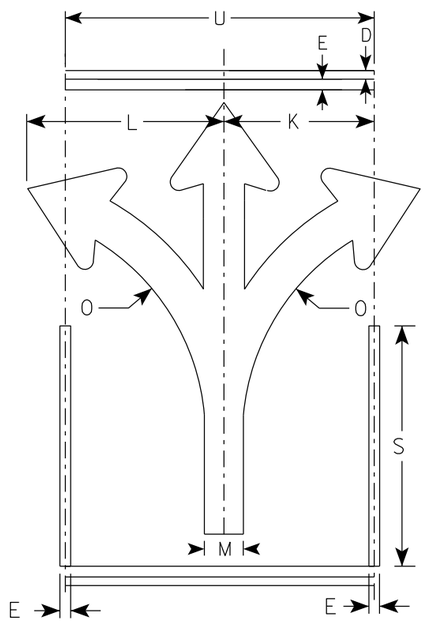
7

NOTES

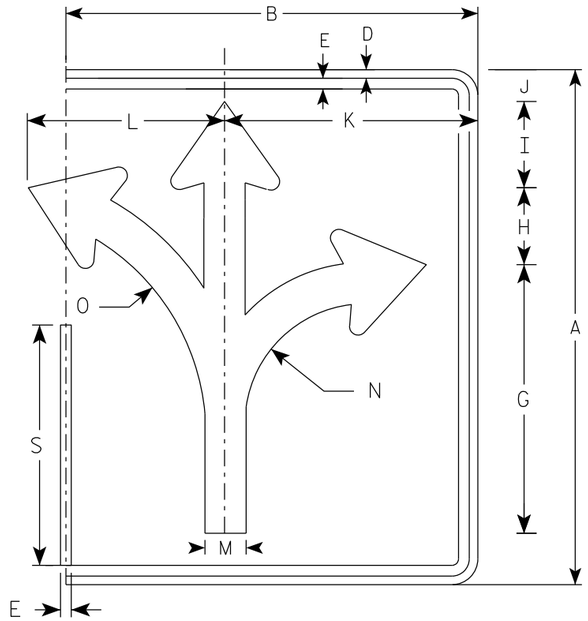
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



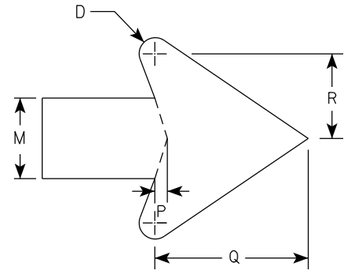
(D)



(D)



(D)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	ENDS Area sq. ft.	MIDDLE Area sq. ft.
1																												
2S	30	24	1 1/2	1/2	5/8		15 5/8	4 1/2	5	1 7/8	14 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14		18						5.0	3.75
2M	30	24	1 1/2	1/2	5/8		15 5/8	4 1/2	5	1 7/8	14 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14		18						5.0	3.75
3	36	30	1 1/2	1/2	5/8		18 3/4	5 1/2	6	2 1/4	17 1/4	17 1/4	2 7/8	8 3/8	16	1/2	5 1/2	3	16 3/4		24						7.5	6.0
4	48	36	2 1/4	3/4	1		24 7/8	7 1/4	7 7/8	3 1/8	23 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8		30						12.0	10.0
5	48	36	2 1/4	3/4	1		24 7/8	7 1/4	7 7/8	3 1/8	23 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8		30						12.0	10.0

STANDARD SIGN
R3-8 (D) Arrow

WISCONSIN DEPT OF TRANSPORTATION

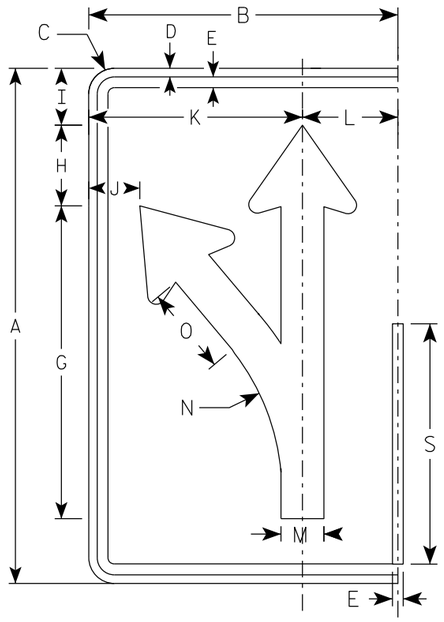
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/14/23 PLATE NO. R3-8.2

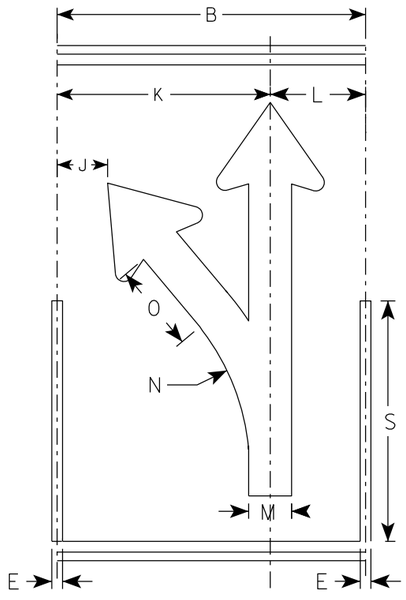
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 316 | E

NOTES

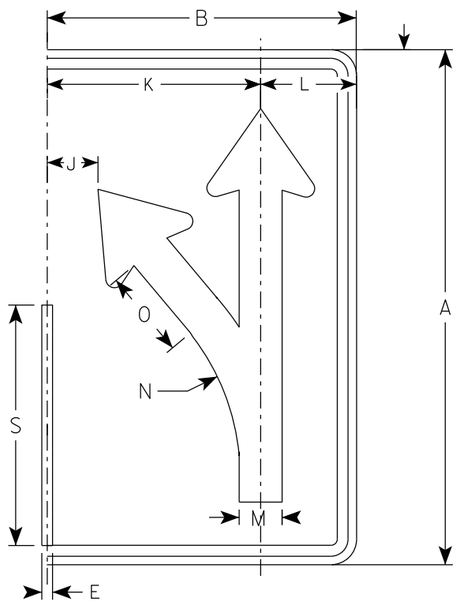
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



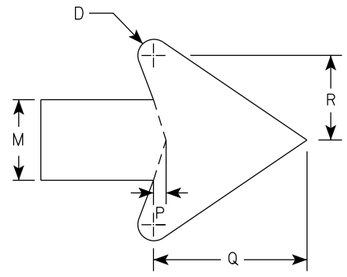
(E)



(E)



(E)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	18	1 1/2	1/2	5/8		18 1/4	4 3/4	3 1/4	3	12 1/2	5 1/2	2 1/2	13 1/4	5 1/8	3/8	4 3/4	2 5/8	14								3.75
2M	30	18	1 1/2	1/2	5/8		18 1/4	4 3/4	3 1/4	3	12 1/2	5 1/2	2 1/2	13 1/4	5 1/8	3/8	4 3/4	2 5/8	14								3.75
3	36	24	1 1/2	1/2	5/8		21 7/8	5 5/8	4	4 7/8	16 1/8	7 3/4	3	15 7/8	6 1/8	1/2	5 3/4	3 1/8	16 3/4								6.0
4	48	30	2 1/4	3/4	1		29 1/8	7 1/2	5 1/4	5 3/8	20 1/2	9 1/2	4	21 1/4	8 1/4	5/8	7 5/8	4 1/4	22 3/8								10.0
5	48	30	2 1/4	3/4	1		29 1/8	7 1/2	5 1/4	5 3/8	20 1/2	9 1/2	4	21 1/4	8 1/4	5/8	7 5/8	4 1/4	22 3/8								10.0

STANDARD SIGN
R3-8 (E) Arrow

WISCONSIN DEPT OF TRANSPORTATION

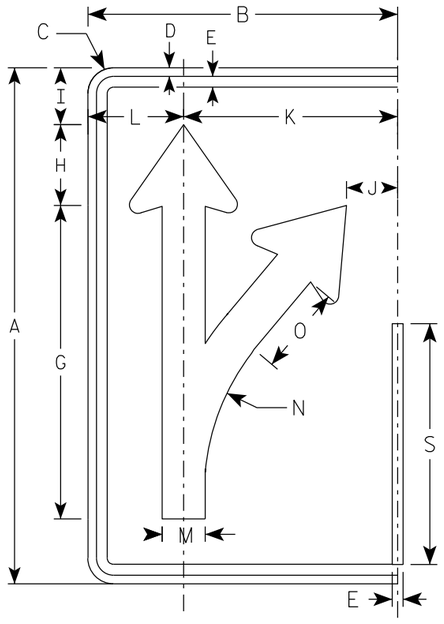
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/14/23 PLATE NO. R3-8.2

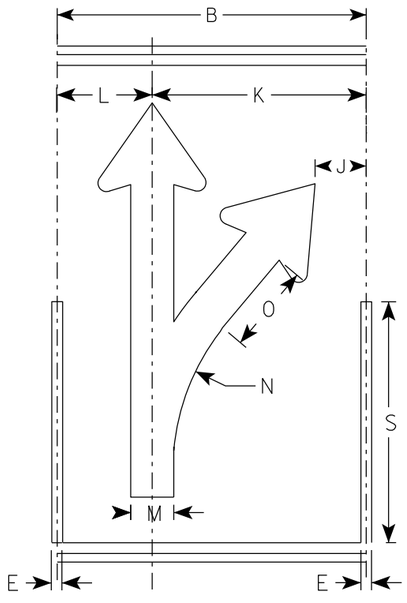
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 317 | E

NOTES

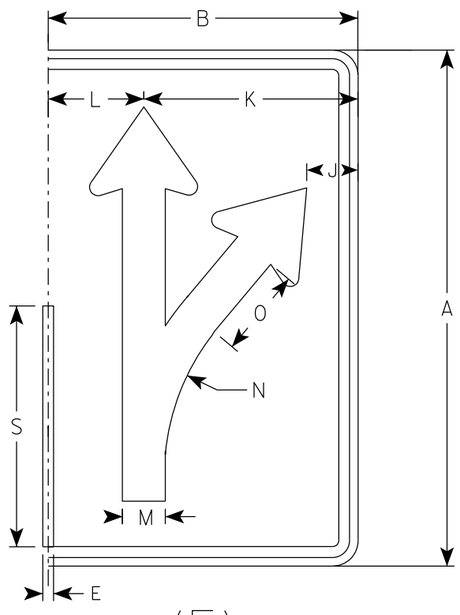
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



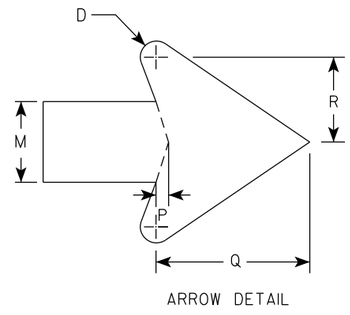
(F)



(F)



(F)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	18	1 1/2	1/2	5/8		18 1/4	4 3/4	3 1/4	3	12 1/2	5 1/2	2 1/2	13 1/4	5 1/8	3/8	4 3/4	2 5/8	14								3.75
2M	30	18	1 1/2	1/2	5/8		18 1/4	4 3/4	3 1/4	3	12 1/2	5 1/2	2 1/2	13 1/4	5 1/8	3/8	4 3/4	2 5/8	14								3.75
3	36	24	1 1/2	1/2	5/8		21 7/8	5 5/8	4	4 7/8	16 1/8	7 3/4	3	15 7/8	6 1/8	1/2	5 3/4	3 1/8	16 3/4								6.0
4	48	30	2 1/4	3/4	1		29 1/8	7 1/2	5 1/4	5 3/8	20 1/2	9 1/2	4	21 1/4	8 1/4	5/8	7 5/8	4 1/4	22 3/8								10.0
5	48	30	2 1/4	3/4	1		29 1/8	7 1/2	5 1/4	5 3/8	20 1/2	9 1/2	4	21 1/4	8 1/4	5/8	7 5/8	4 1/4	22 3/8								10.0

STANDARD SIGN
R3-8 (F) Arrow

WISCONSIN DEPT OF TRANSPORTATION

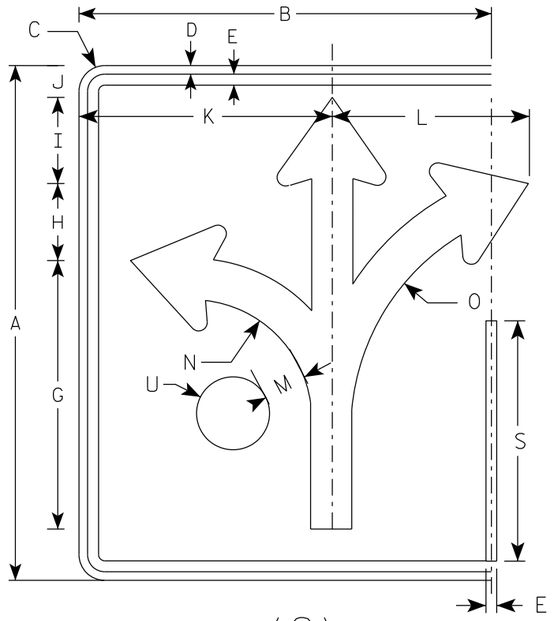
APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 2/14/23 PLATE NO. R3-8.2

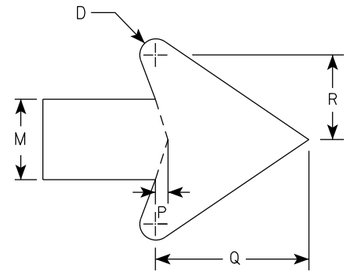
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 318 | E

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



(G)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	24	1 1/2	1/2	5/8		15 5/8	4 1/2	5	1 7/8	14 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14		2 1/8						5.0
2M	30	24	1 1/2	1/2	5/8		15 5/8	4 1/2	5	1 7/8	14 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14		2 1/8						5.0
3	36	30	1 1/2	1/2	5/8		18 3/4	5 1/2	6	3 1/8	17 1/4	17 1/4	2 7/8	8 3/8	16	1/2	5 1/2	3	16 3/4		2 1/2						7.5
4	48	36	2 1/4	3/4	1		24 7/8	7 1/4	7 7/8	3 1/8	23 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8		3 3/8						12.0
5	48	36	2 1/4	3/4	1		24 7/8	7 1/4	7 7/8	3 1/8	23 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8		3 3/8						12.0

STANDARD SIGN
R3-8 (G) Arrow

WISCONSIN DEPT OF TRANSPORTATION

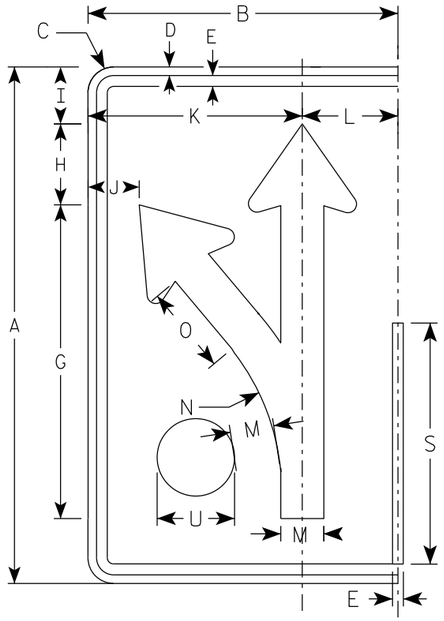
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/14/23 PLATE NO. R3-8.2

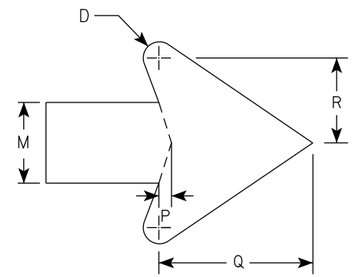
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 319	E

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



(H)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	18	1 1/2	1/2	5/8		18 1/4	4 3/4	3 1/4	3	12 1/2	5 1/2	2 1/2	13 1/4	5 1/8	3/8	4 3/4	2 5/8	14		2 1/8						3.75
2M	30	18	1 1/2	1/2	5/8		18 1/4	4 3/4	3 1/4	3	12 1/2	5 1/2	2 1/2	13 1/4	5 1/8	3/8	4 3/4	2 5/8	14		2 1/8						3.75
3	36	24	1 1/2	1/2	5/8		21 7/8	5 5/8	4	4 7/8	16 1/8	7 3/4	3	15 7/8	6 1/8	1/2	5 3/4	3 1/8	16 3/4		2 1/2						6.0
4	48	30	2 1/4	3/4	1		29 1/8	7 1/2	5 1/4	5 3/8	20 1/2	9 1/2	4	21 1/4	8 1/4	5/8	7 5/8	4 1/4	22 3/8		3 3/8						10.0
5	48	30	2 1/4	3/4	1		29 1/8	7 1/2	5 1/4	5 3/8	20 1/2	9 1/2	4	21 1/4	8 1/4	5/8	7 5/8	4 1/4	22 3/8		3 3/8						10.0

STANDARD SIGN
R3-8 (H) Arrow

WISCONSIN DEPT OF TRANSPORTATION

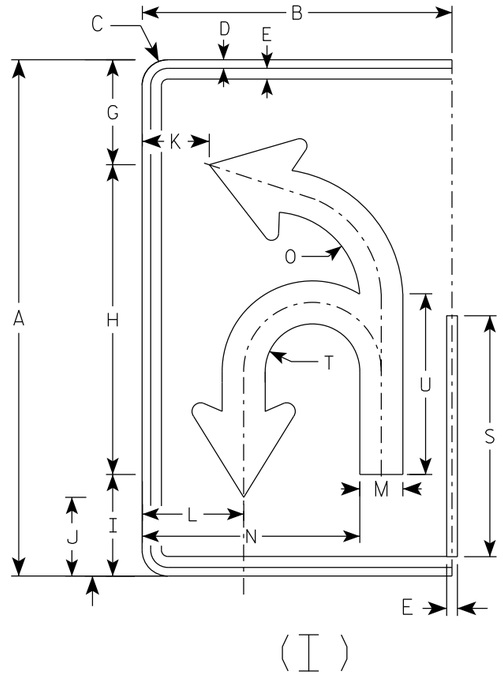
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/14/23 PLATE NO. R3-8.2

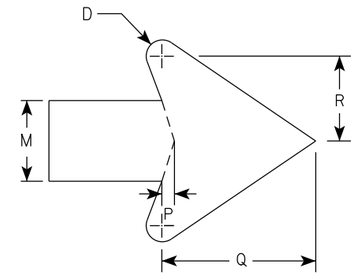
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 320 | E

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



(I)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	18	1 1/2	1/2	5/8		6 1/8	18	5 7/8	4 5/8	3 7/8	5 7/8	2 1/2	12 5/8	5 1/8	3/8	4 3/4	2 5/8	14	2 3/4	10 1/2						3.75
2M	30	18	1 1/2	1/2	5/8		6 1/8	18	5 7/8	4 5/8	3 7/8	5 7/8	2 1/2	12 5/8	5 1/8	3/8	4 3/4	2 5/8	14	2 3/4	10 1/2						3.75
3	36	24	1 1/2	1/2	5/8		21 7/8	21 5/8	7 1/8	5 1/2	5 7/8	8 1/4	3	16 3/8	6 1/8	1/2	5 3/4	3 1/8	16 3/4	3 1/4	12 5/8						6.0
4	48	30	2 1/4	3/4	1		29 1/8	28 3/4	9 3/8	7 1/4	6 7/8	10	4	20 7/8	8 1/8	5/8	7 5/8	4 1/4	22 3/8	4 3/8	16 3/4						10.0
5	48	30	2 1/4	3/4	1		29 1/8	28 3/4	9 3/8	7 1/4	6 7/8	10	4	20 7/8	8 1/8	5/8	7 5/8	4 1/4	22 3/8	4 3/8	16 3/4						10.0

STANDARD SIGN
R3-8 (I) Arrow

WISCONSIN DEPT OF TRANSPORTATION

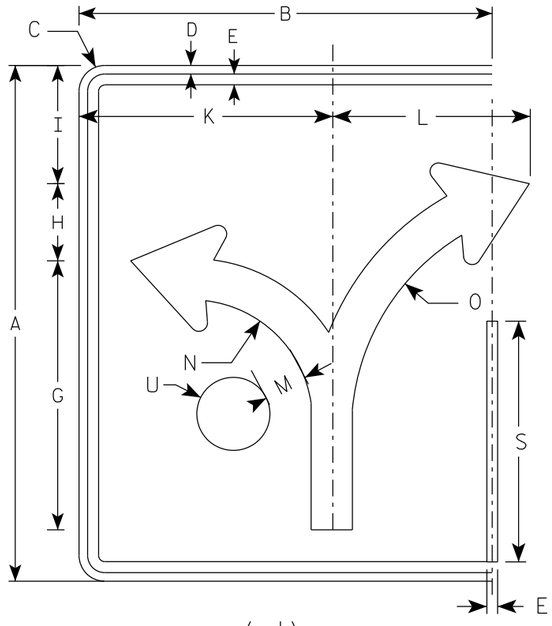
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/14/23 PLATE NO. R3-8.2

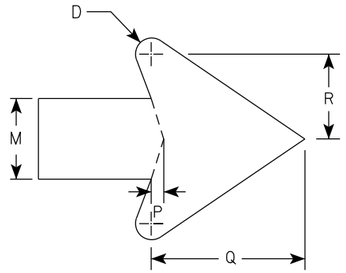
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 321 | E

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



(J)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	24	1 1/2	1/2	5/8		15 5/8	4 1/2	6 7/8		14 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14		2 1/8						5.0
2M	30	24	1 1/2	1/2	5/8		15 5/8	4 1/2	6 7/8		14 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14		2 1/8						5.0
3	36	30	1 1/2	1/2	5/8		18 3/4	5 1/2	8 1/4		17 1/4	17 1/4	2 7/8	8 3/8	16	1/2	5 1/2	3	16 3/4		2 1/2						7.5
4	48	36	2 1/4	3/4	1		24 7/8	7 1/4	11		23 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8		3 3/8						12.0
5	48	36	2 1/4	3/4	1		24 7/8	7 1/4	11		23 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8		3 3/8						12.0

STANDARD SIGN
R3-8 (J) Arrow

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

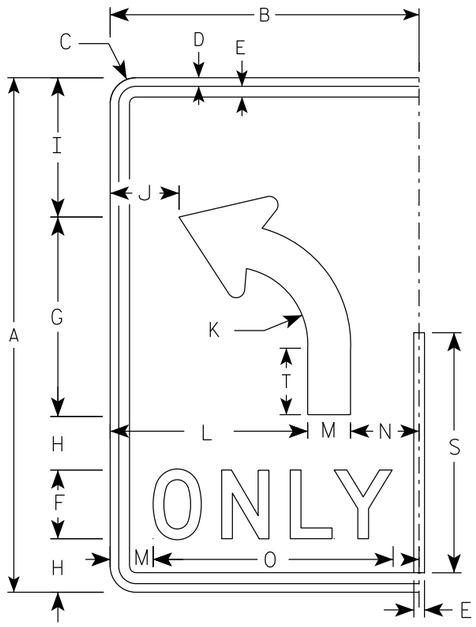
DATE 2/14/23 PLATE NO. R3-8.2

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 322 | E

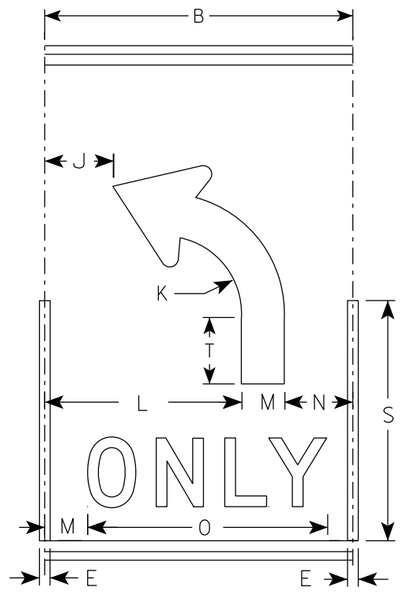
FILE NAME : C:\CAEfiles\Projects\stdplate_R38.dgn PLOT DATE : 14-FEB 2023 3:18 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

NOTES

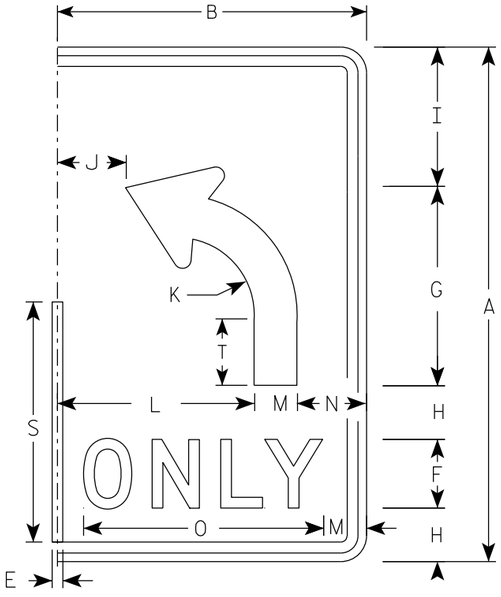
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D



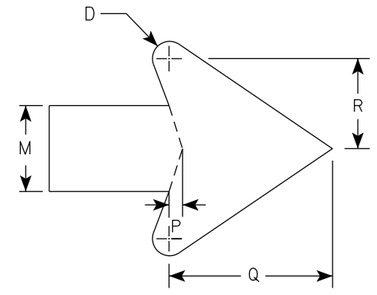
(L)



(L)



(L)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	18	1 ½	½	⅝	4	11 ⅝	3 ⅛	8 ⅛	4	4 ½	11 ½	2 ½	4	14	⅜	4 ¾	2 ⅝	14	3 ⅞							3.75
2M	30	18	1 ½	½	⅝	4	11 ⅝	3 ⅛	8 ⅛	4	4 ½	11 ½	2 ½	4	14	⅜	4 ¾	2 ⅝	14	3 ⅞							3.75
3	36	24	1 ½	½	⅝	5	14	3 ½	9 ¾	6	5 ⅜	15	3	6	17 ⅝	½	5 ¾	3 ⅛	16 ¾	4 ⅝							6.0
4	48	30	2 ¼	¾	1	6	18 ⅝	5 ⅛	13 ⅛	6 ⅛	7 ¼	18	4	8	21 ¾	⅝	7 ⅝	4 ¼	22 ⅜	6 ¼							10.0
5	48	30	2 ¼	¾	1	6	18 ⅝	5 ⅛	13 ⅛	6 ⅛	7 ¼	18	4	8	21 ¾	⅝	7 ⅝	4 ¼	22 ⅜	6 ¼							10.0

STANDARD SIGN

R3-8 (L) Arrow

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/14/23 PLATE NO. R3-8.2

PROJECT NO:

SHEET NO: 323 E

FILE NAME : C:\CAEfiles\Projects\stdplate_R38.dgn PLOT DATE : 14-FEB 2023 3:02 PLOT BY : mscj9h PLOT NAME :

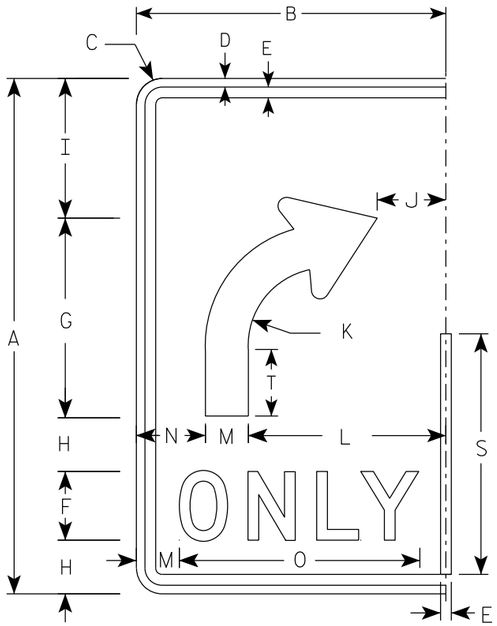
WISDOT/CADDS SHEET 42

7

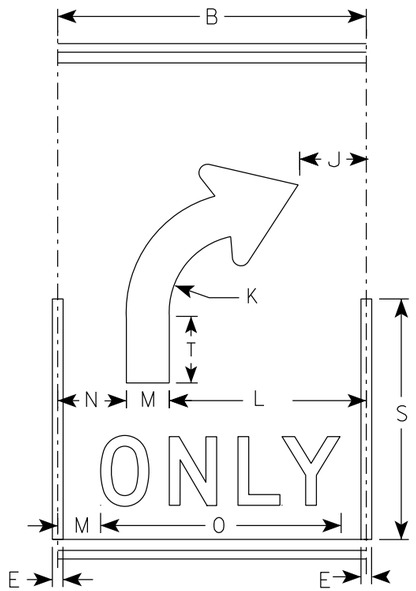
7

NOTES

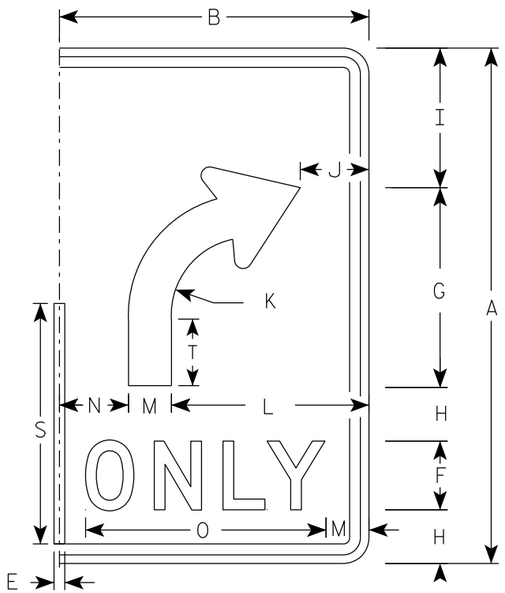
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D



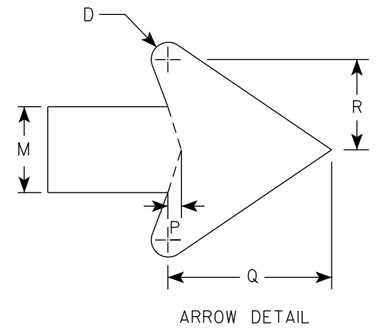
(R)



(R)



(R)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	18	1 1/2	1/2	5/8	4	11 5/8	3 1/8	8 1/8	4	4 1/2	11 1/2	2 1/2	4	14	3/8	4 3/4	2 5/8	14	3 7/8							3.75
2M	30	18	1 1/2	1/2	5/8	4	11 5/8	3 1/8	8 1/8	4	4 1/2	11 1/2	2 1/2	4	14	3/8	4 3/4	2 5/8	14	3 7/8							3.75
3	36	24	1 1/2	1/2	5/8	5	14	3 1/2	9 3/4	6	5 3/8	15	3	6	17 5/8	1/2	5 3/4	3 1/8	16 3/4	4 5/8							6.0
4	48	30	2 1/4	3/4	1	6	18 5/8	5 1/8	13 1/8	6 1/8	7 1/4	18	4	8	21 3/4	5/8	7 5/8	4 1/4	22 3/8	6 1/4							10.0
5	48	30	2 1/4	3/4	1	6	18 5/8	5 1/8	13 1/8	6 1/8	7 1/4	18	4	8	21 3/4	5/8	7 5/8	4 1/4	22 3/8	6 1/4							10.0

STANDARD SIGN

R3-8 (R) Arrow

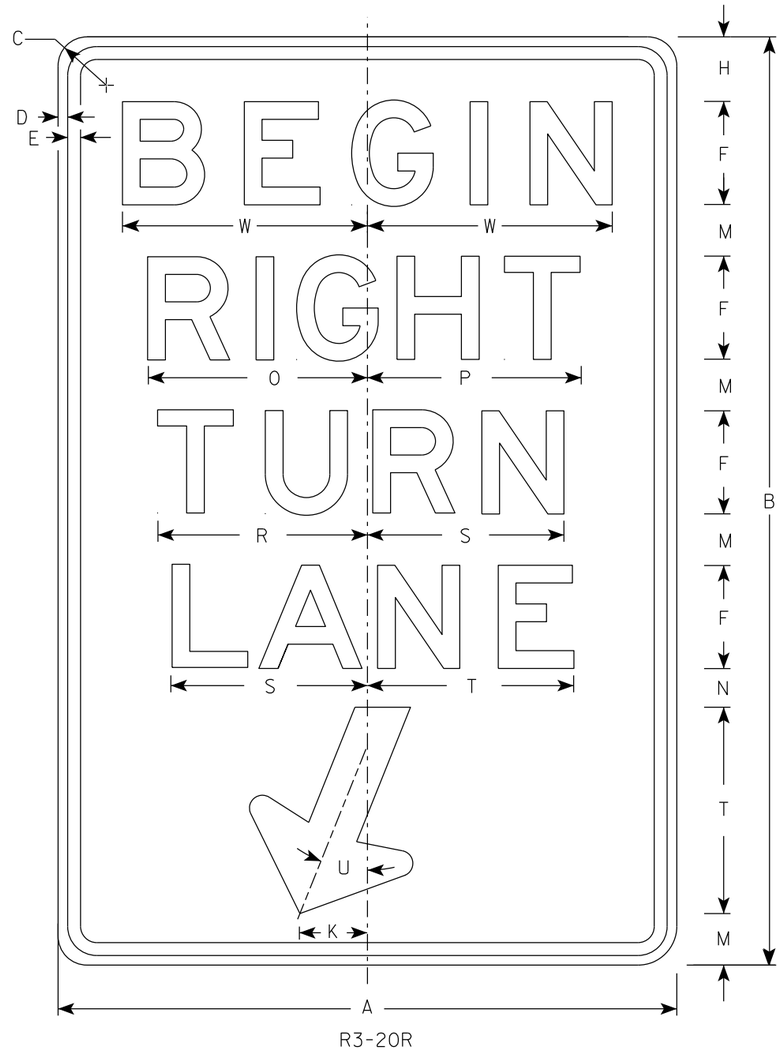
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/14/23 PLATE NO. R3-8.2

PROJECT NO:

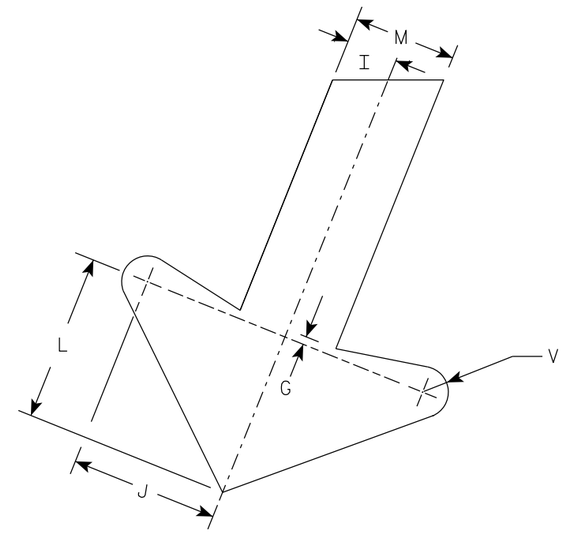
SHEET NO: 324 E



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

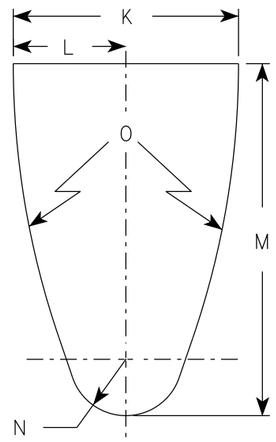
DATE 2/23/23 PLATE NO. R3-20R.7

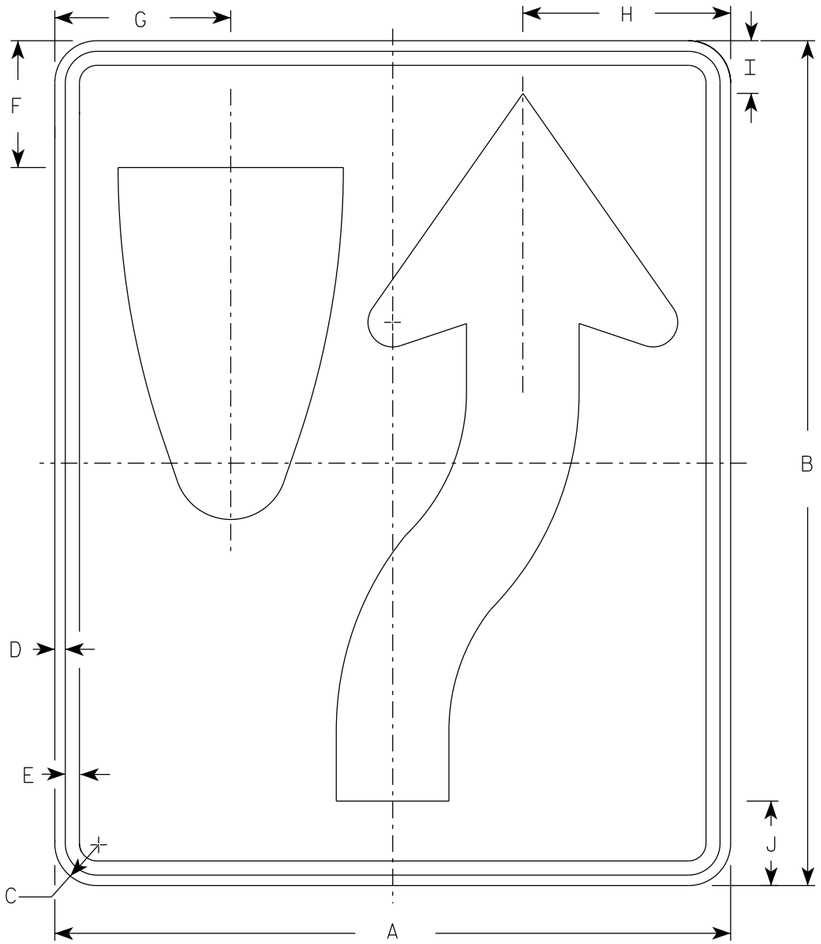
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 325 | E

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.

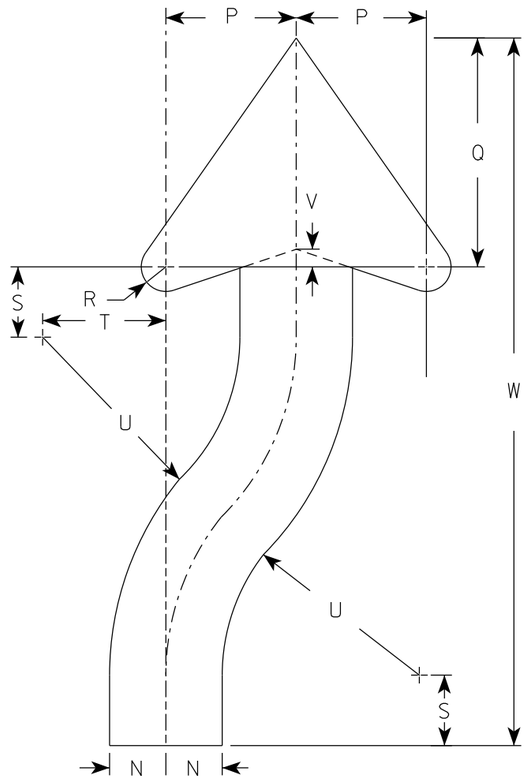
DIVIDER DETAIL





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

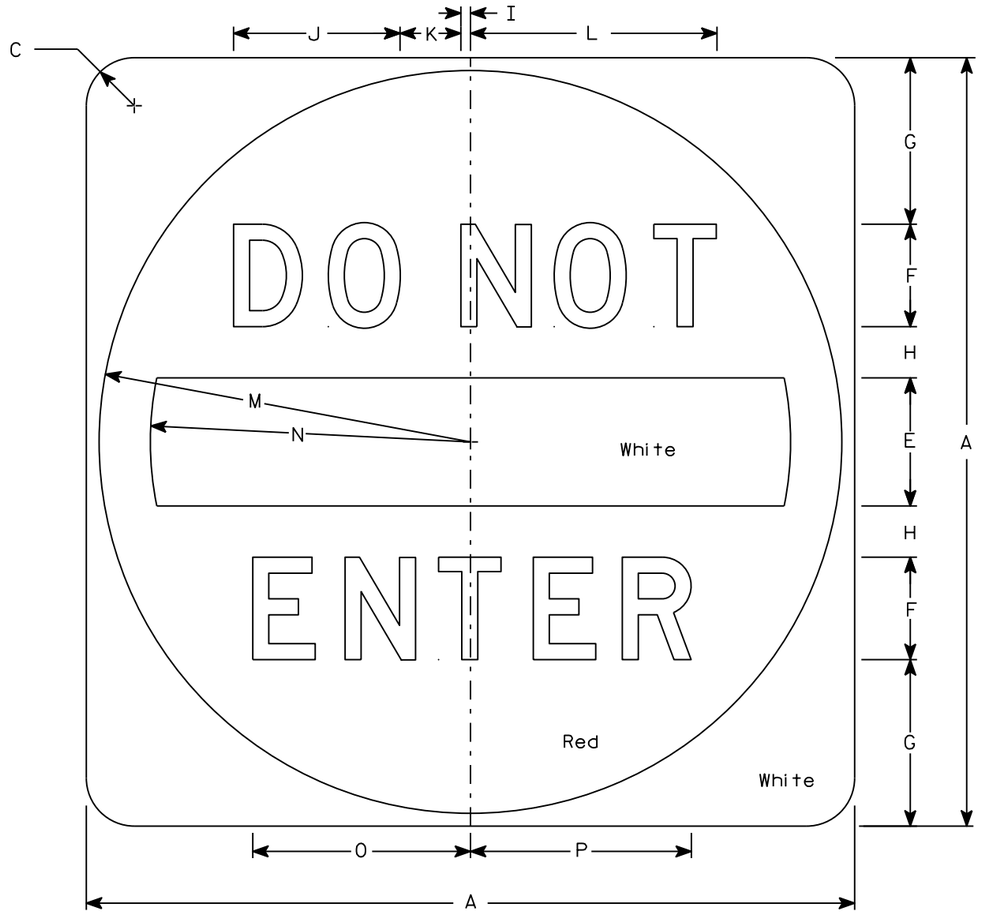
STANDARD SIGN
R4-7 & R4-8

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: 326	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

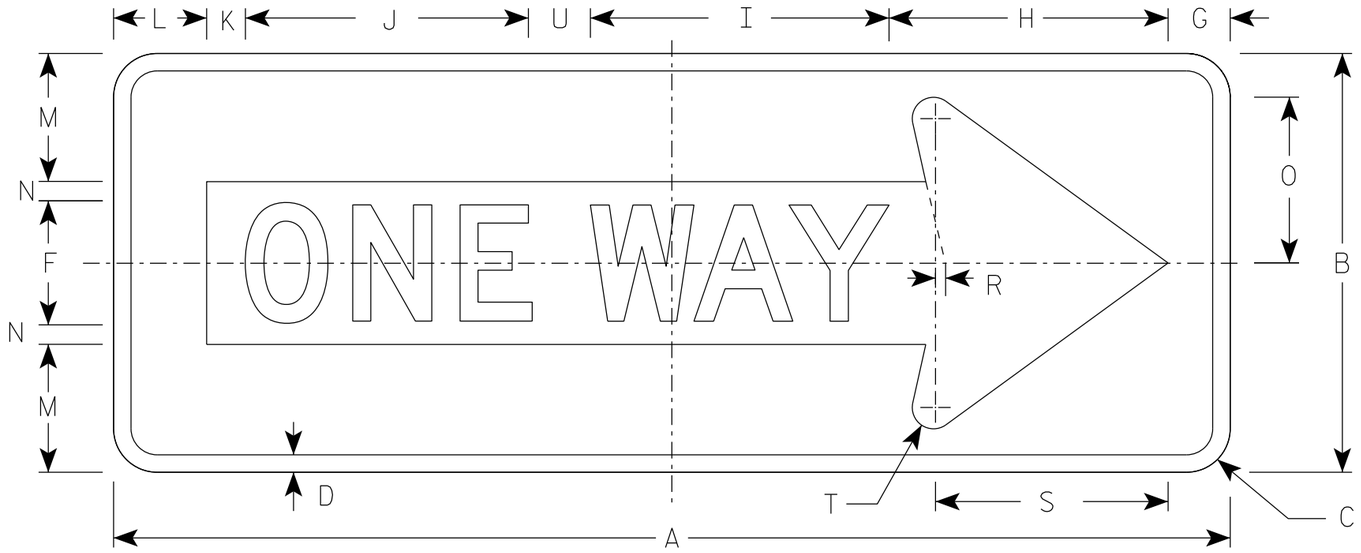
STANDARD SIGN
R5-1

WISCONSIN DEPT OF TRANSPORTATION

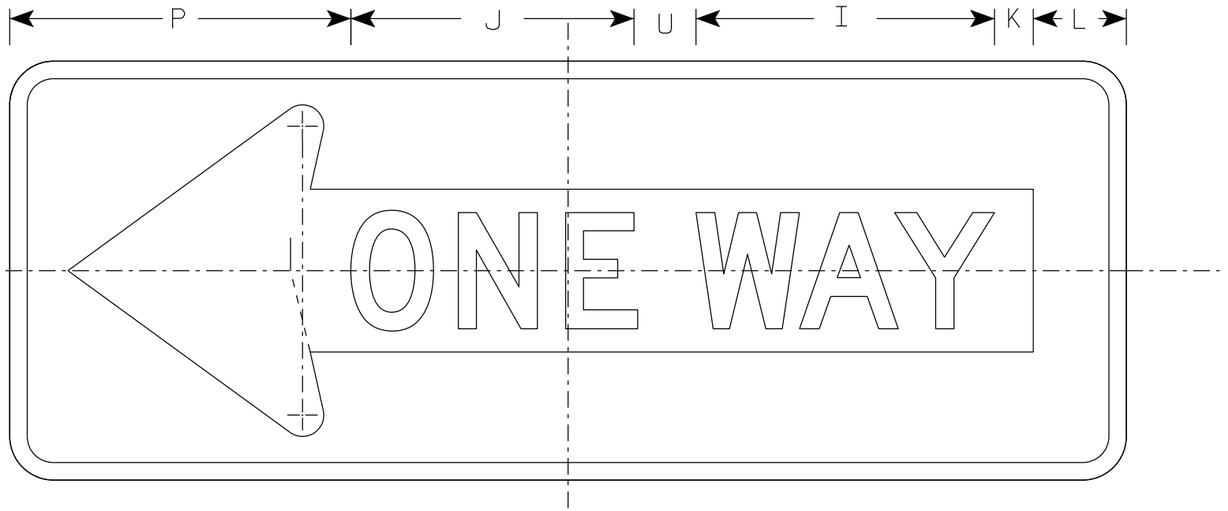
APPROVED Matthew R Rauch
for State Traffic Engineer

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

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 327 | 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 1/2	1/2		4	2	7 1/2	9 5/8	9 1/8	1 1/4	3	3 3/8	5/8	4 3/8	11		3/8	7 1/2	3/4	2						3.0
2M	48	18	1 7/8	3/4		5	2 1/2	11	13	12 1/4	2 3/4	3 1/2	5 1/2	1	7 1/8	13 1/2		1/2	10 1/8	7/8	3						6.0
3	48	18	1 7/8	3/4		5	2 1/2	11	13	12 1/4	2 3/4	3 1/2	5 1/2	1	7 1/8	13 1/2		1/2	10 1/8	7/8	3						6.0
4	48	18	1 7/8	3/4		5	2 1/2	11	13	12 1/4	2 3/4	3 1/2	5 1/2	1	7 1/8	13 1/2		1/2	10 1/8	7/8	3						6.0
5																											

STANDARD SIGN
R6-1 L&R

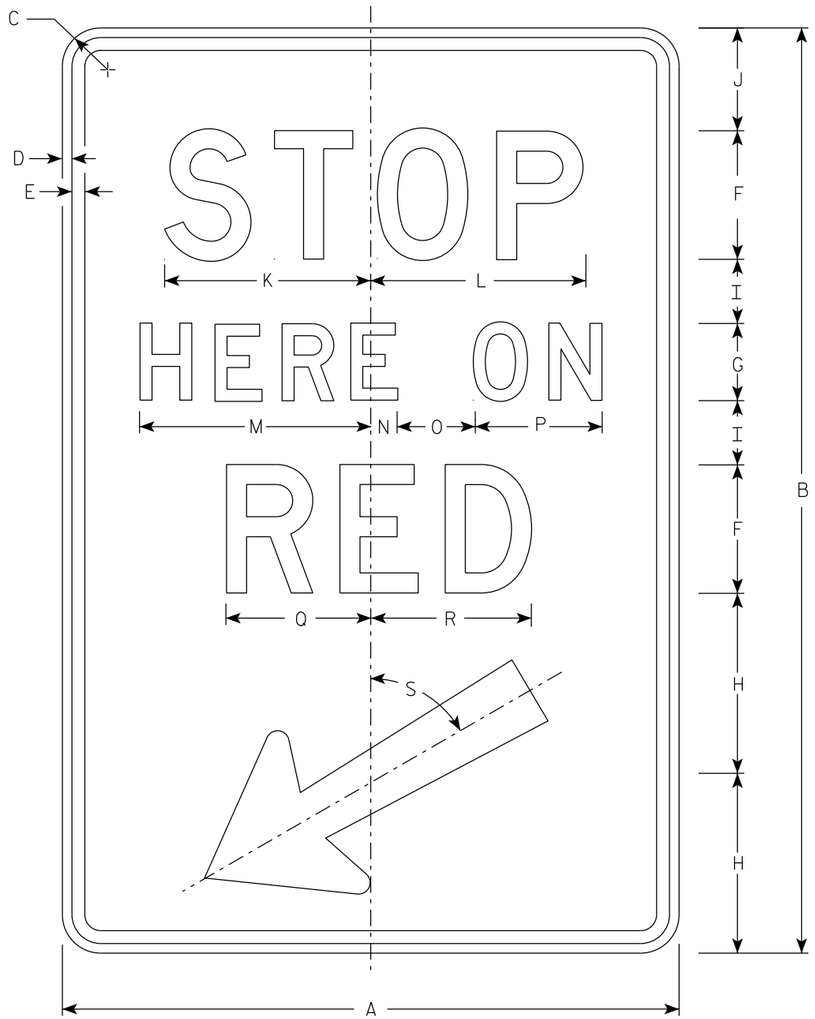
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/7/2025 PLATE NO. R6-1.5

PROJECT NO:

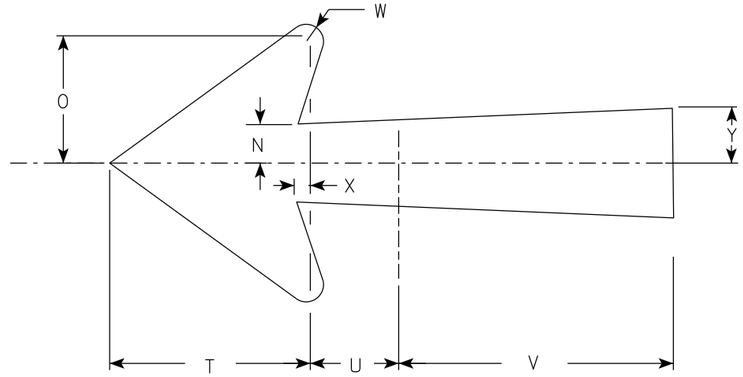
SHEET NO: 328 E



R10-6

NOTES

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



Arrow Detail

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Areq sq. ft.
1																											
2S	24	36	1 1/2	3/8	1/2	5	3	7	2 1/2	4	8	8 3/8	9	1	3	5	5 5/8	6 1/4	60°	5 1/4	2 1/4	7 1/8	1/2	3/8	1 3/8		6.0
2M	24	36	1 1/2	3/8	1/2	5	3	7	2 1/2	4	8	8 3/8	9	1	3	5	5 5/8	6 1/4	60°	5 1/4	2 1/4	7 1/8	1/2	3/8	1 3/8		6.0
3																											
4																											
5																											

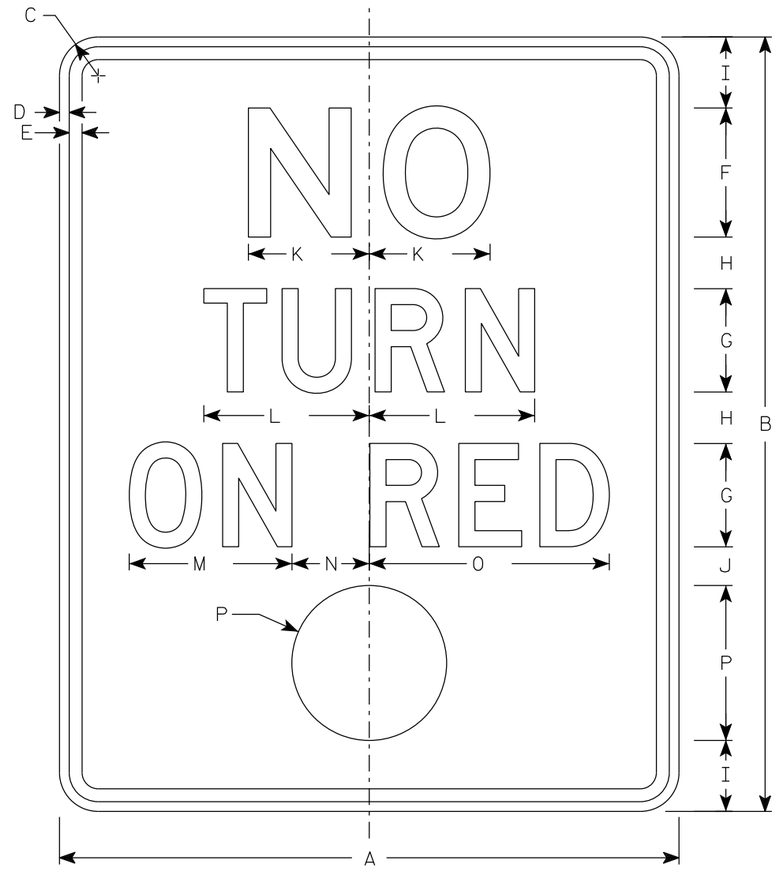
STANDARD SIGN
R10-6

WISCONSIN DEPT OF TRANSPORTATION

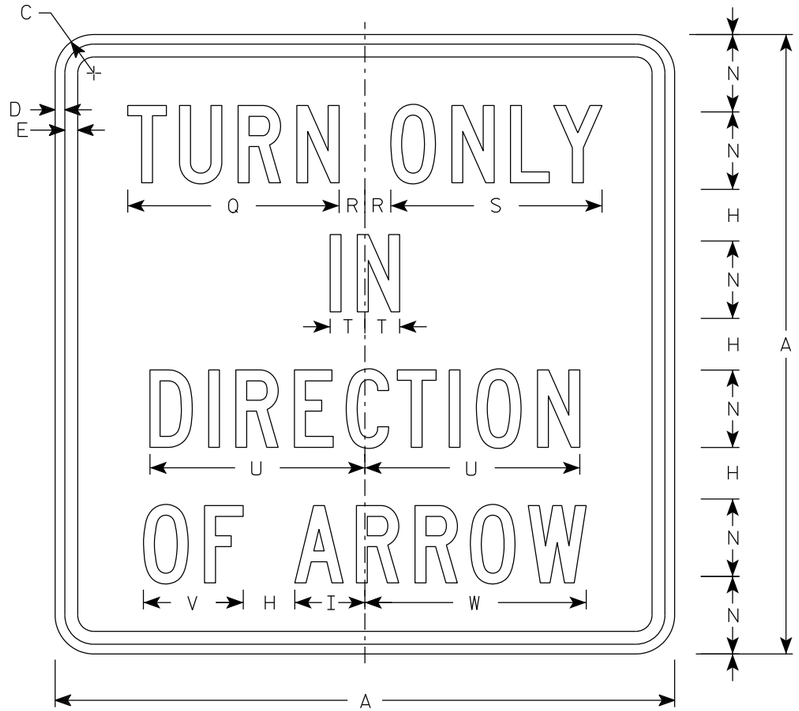
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/25/24 PLATE NO. R10-6.7

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 329	E



R10-11



R10-11D

NOTES

1. Signs are Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - R10-11 - D except line 1 is Series E
   R10-11D - Series C
4. Signs used with Driveway Assistance Device Only

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	30	1 1/2	3/8	1/2	5	4	2	2 3/4	1 1/2	4 5/8	6 3/8	6 1/4	3	9 1/4	6	8 1/4	1	8 1/4	1 3/8	8 3/8	3 7/8	8 5/8				5.0
2M	24	30	1 1/2	3/8	1/2	5	4	2	2 3/4	1 1/2	4 5/8	6 3/8	6 1/4	3	9 1/4	6	8 1/4	1	8 1/4	1 3/8	8 3/8	3 7/8	8 5/8				5.0
3																											
4																											
5																											

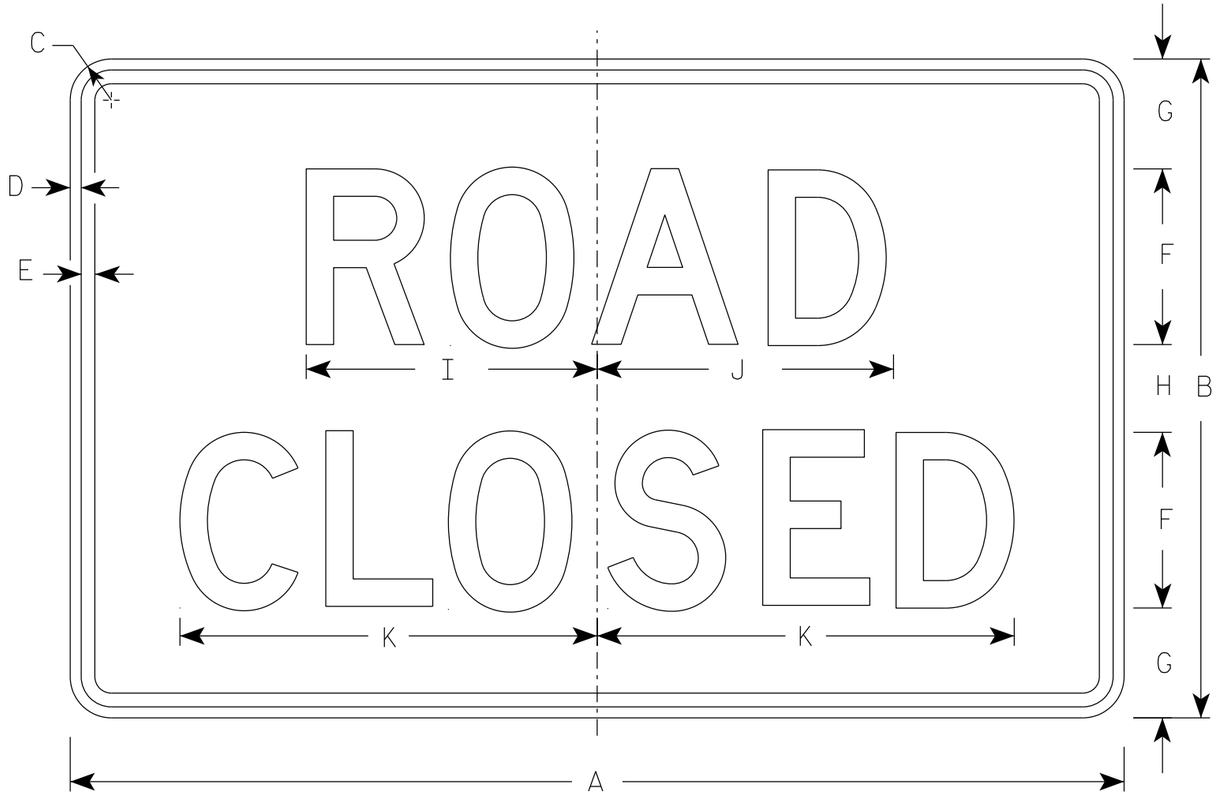
STANDARD SIGN
R10-11

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/22/23 PLATE NO. R10-11.1

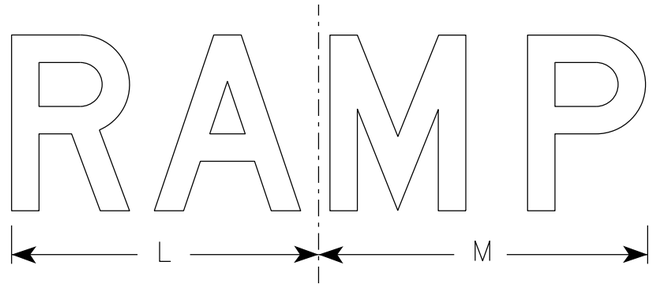
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 330 | E



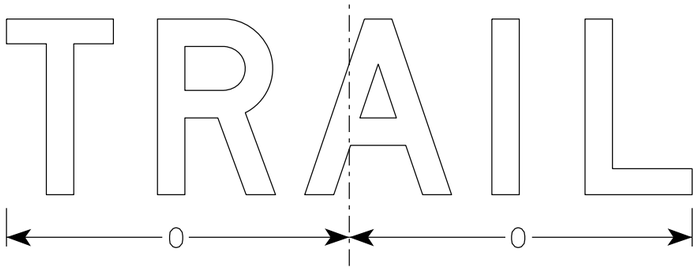
R11-2

NOTES

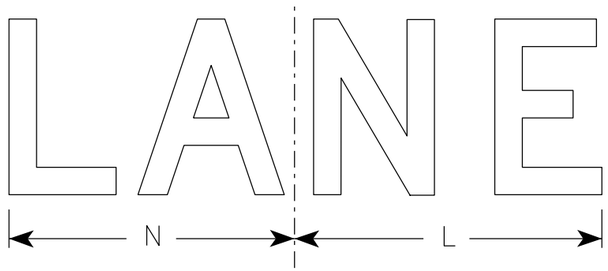
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Modify the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

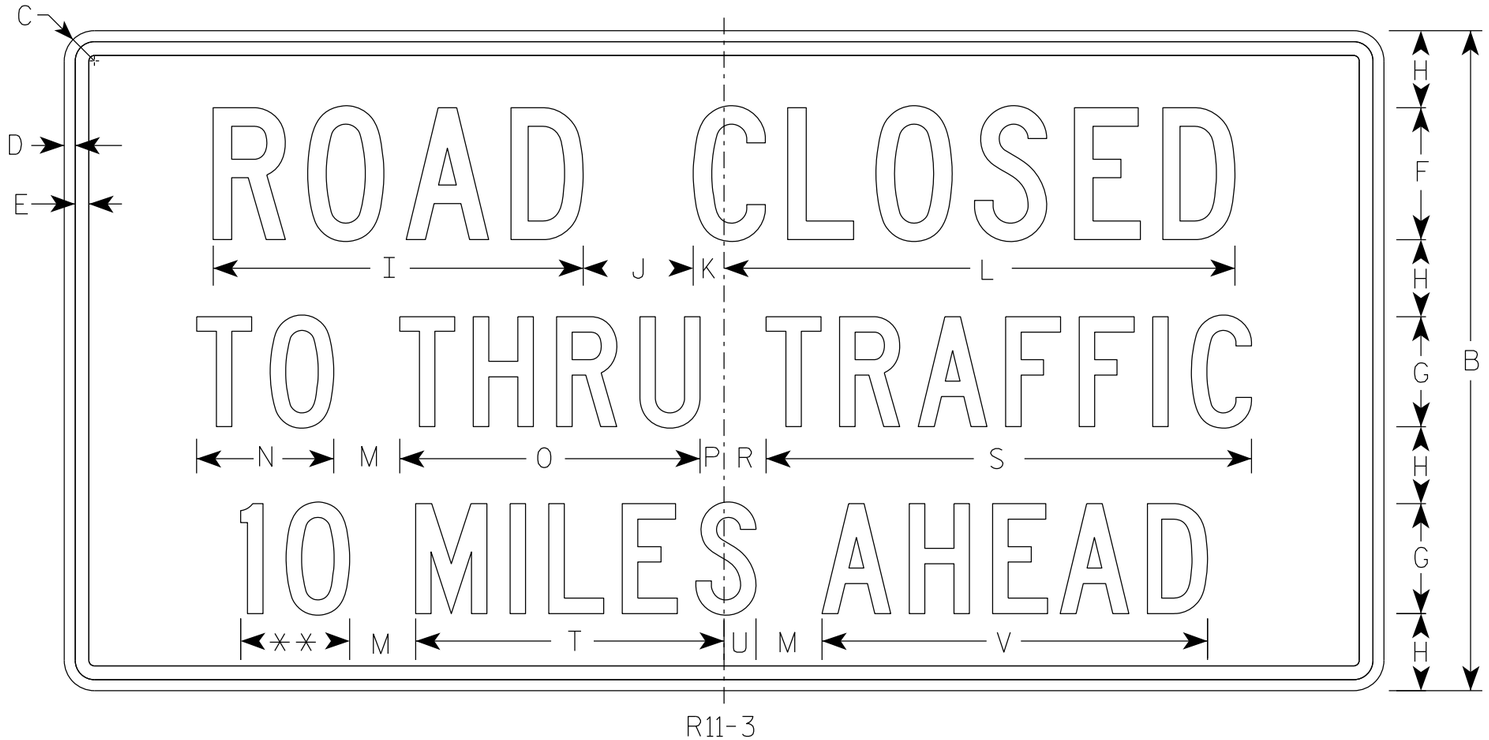
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

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

7

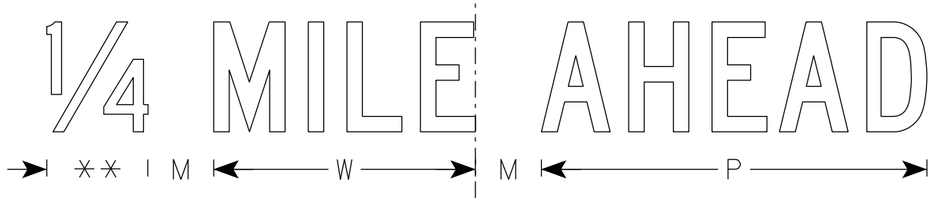
NOTES

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

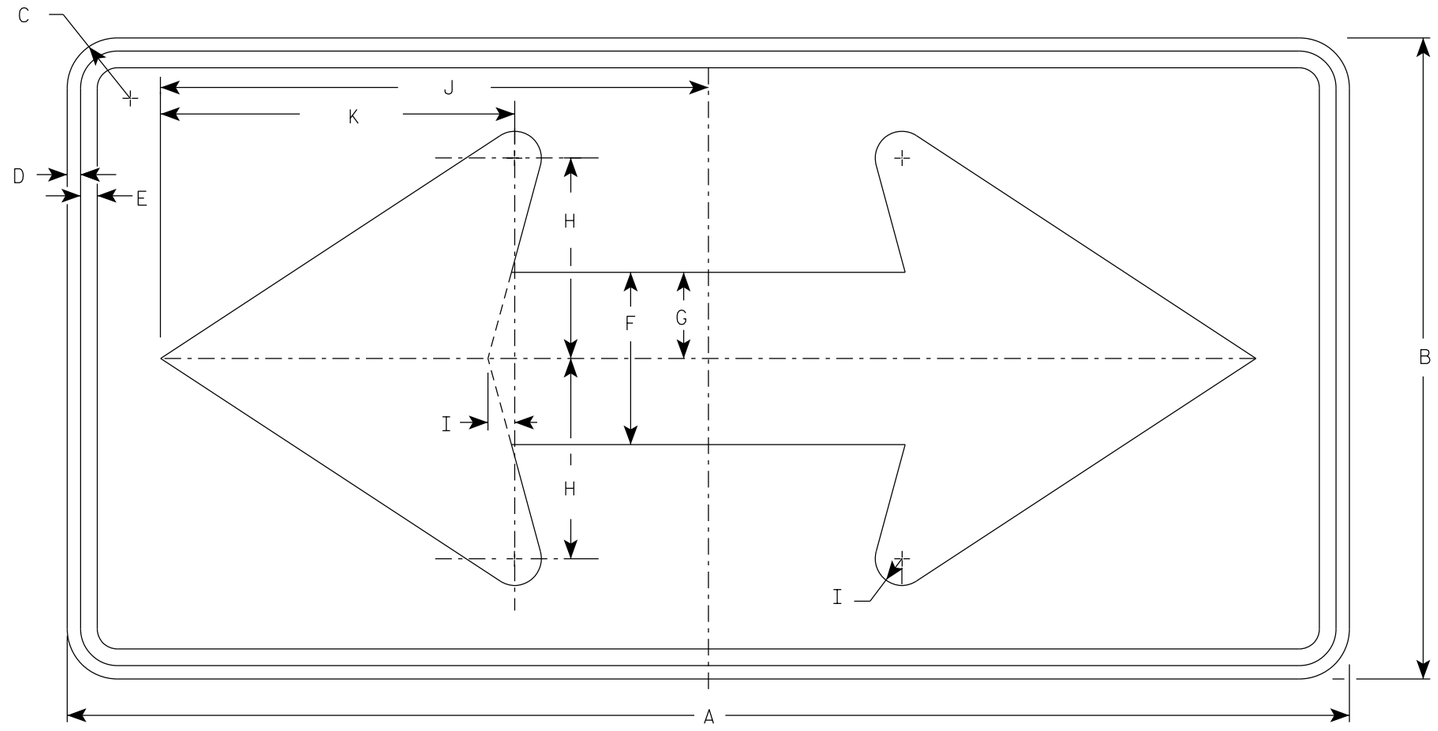
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/5/24 PLATE NO. R11-3.10

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 332 | E

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Yellow
   Message - Black



W1-7

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	5	2 1/2	5 3/4	3/4	15 5/8	10 1/8																4.5
2S	48	24	1 7/8	1/2	5/8	6 1/2	3 1/4	7 1/2	1	20 1/2	13 1/4																8.0
2M	48	24	1 7/8	1/2	5/8	6 1/2	3 1/4	7 1/2	1	20 1/2	13 1/4																8.0
3	60	30	1 7/8	1/2	5/8	8	4	9 1/4	1 1/4	25 3/8	16 1/4																12.5
4	60	30	1 7/8	1/2	5/8	8	4	9 1/4	1 1/4	25 3/8	16 1/4																12.5
5	96	48	3	3/4	1	13	6 1/2	15	2	41	26 1/2																32.0

STANDARD SIGN
W1-7

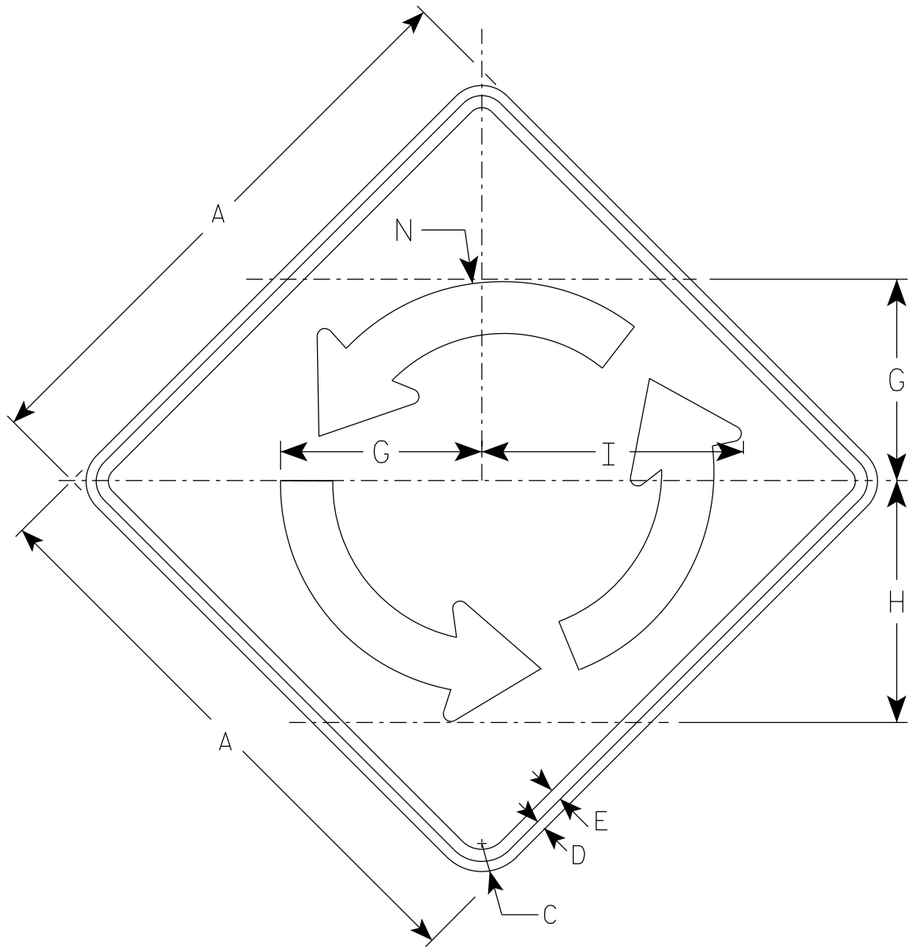
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/10/2023 PLATE NO. W1-7.8

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

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W17.dgn PLOT DATE : 10-MAY 2023 3:05 PLOT BY : dotc4c PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

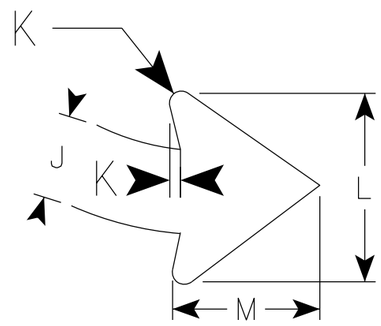


W2-6

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

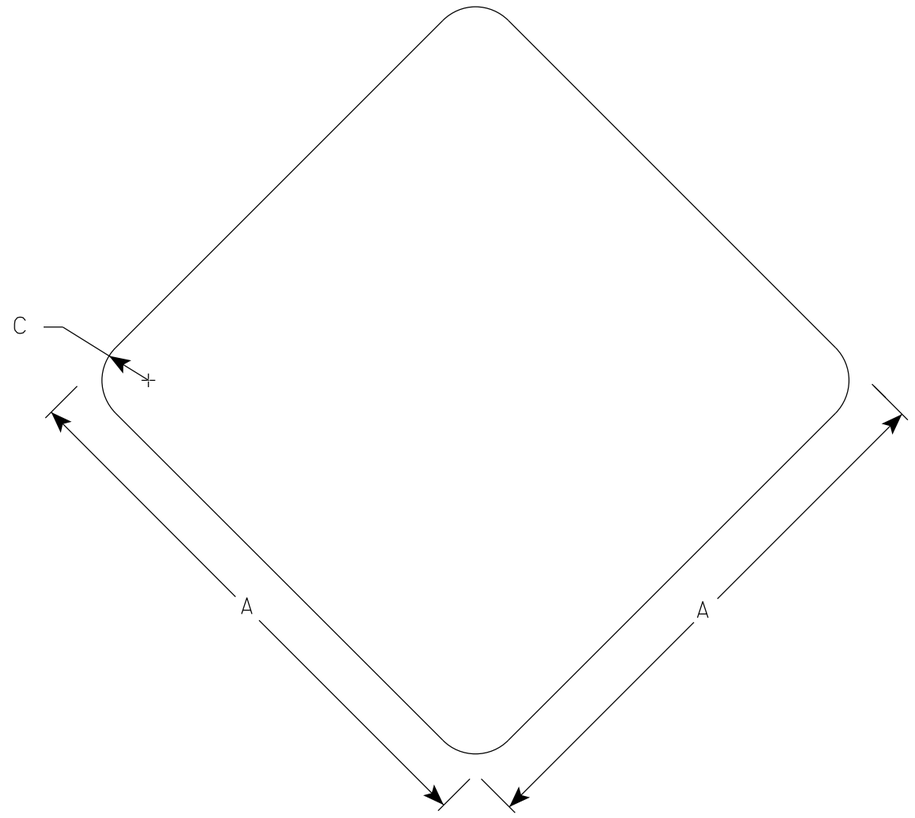
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 8/17/2023 PLATE NO. W2-6.8

PROJECT NO:

SHEET NO: 334 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

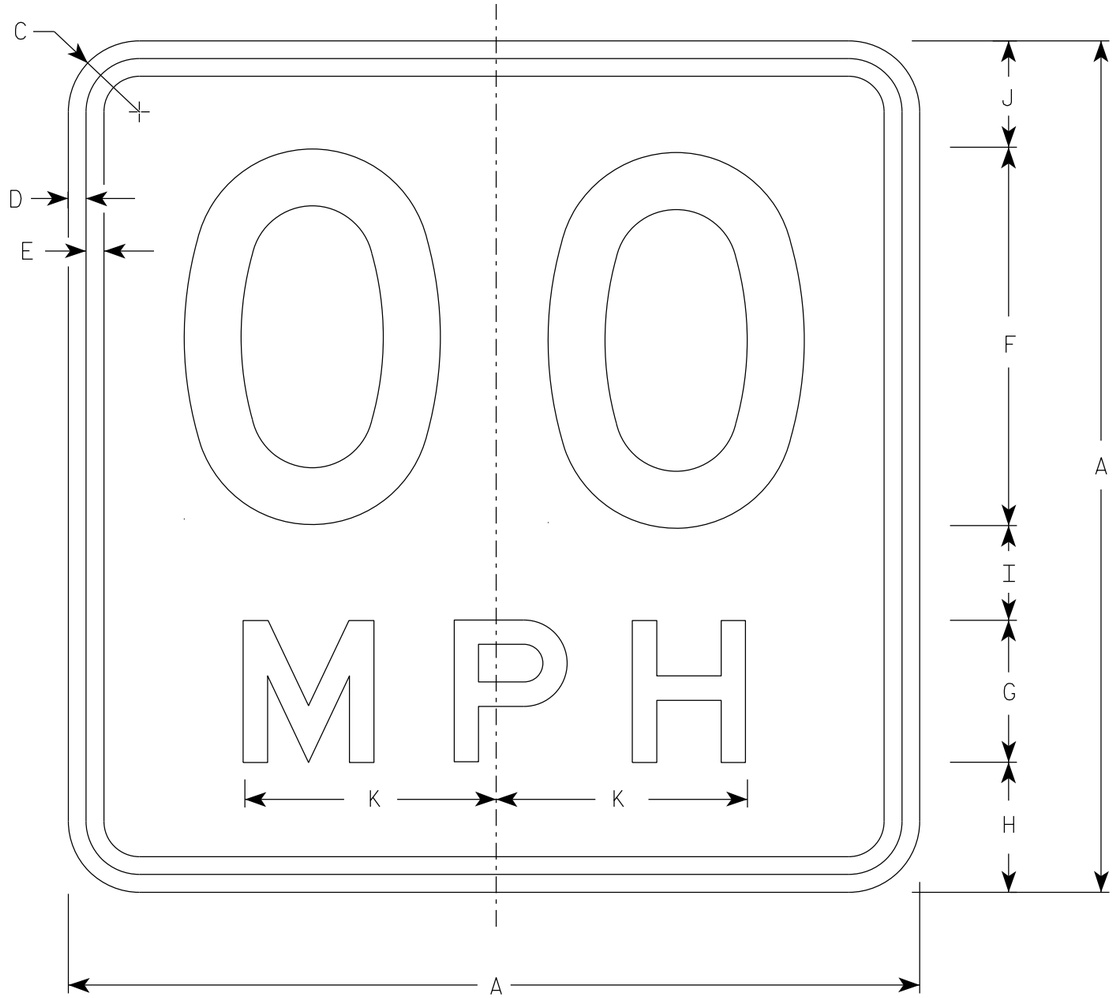
WISCONSIN DEPT OF TRANSPORTATION

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



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

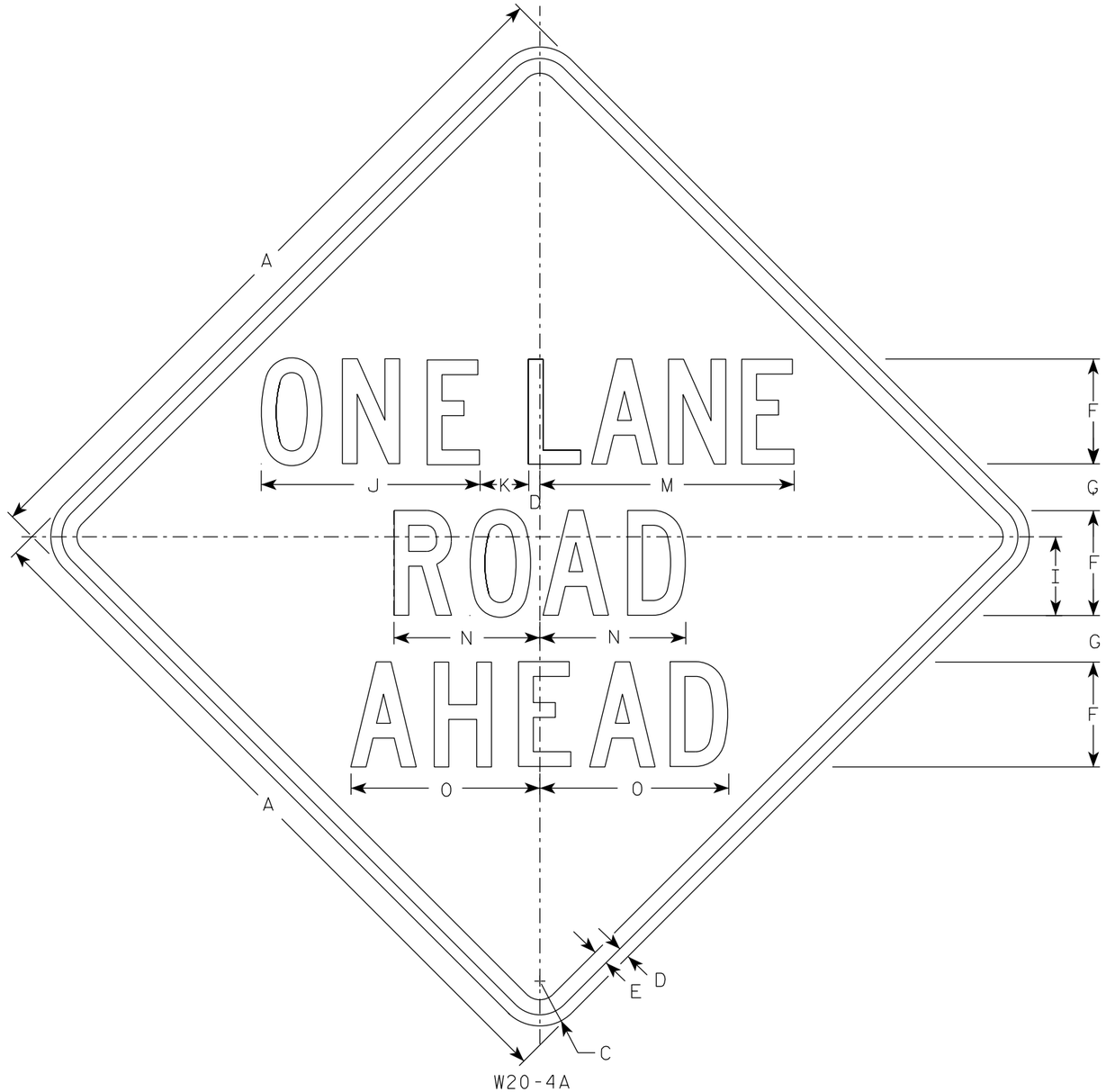
WISCONSIN DEPT OF TRANSPORTATION

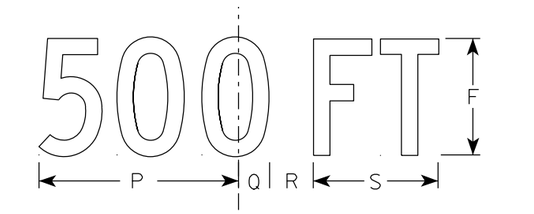
APPROVED Matthew R Rauch
For State Traffic Engineer

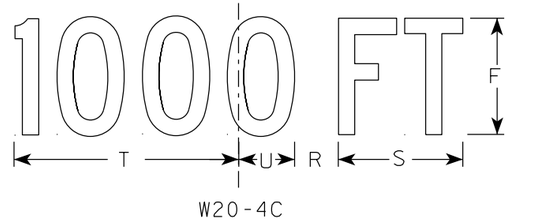
DATE 1/8/2024 PLATE NO. W13-1.17

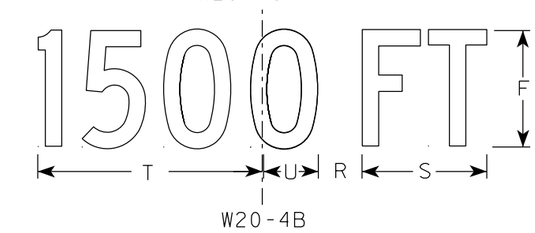
PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

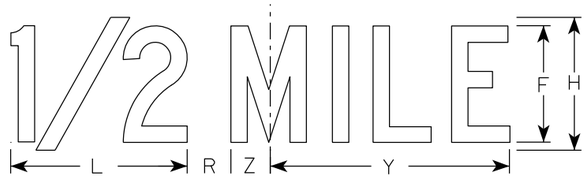
FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W131.dgn PLOT DATE : 8-Jan 2024 11:07 PLOT BY : dotc4c PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

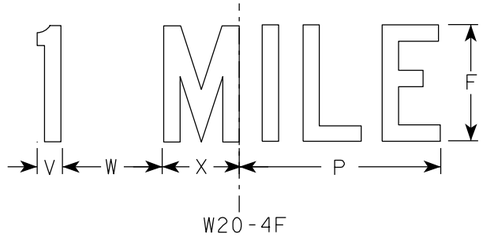












NOTES

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		2 1/4	5/8	3/4	5	2 3/8	6	3 3/4	10 3/8	2 3/8	8	13 1/2	7	8 7/8	9	1 3/8	1 7/8	5 5/8	10 1/8	2 1/2	1 1/8	4 1/2	3 1/2	10 3/4	1 3/4	9.0
2S	48		3	3/4	1	7	3 1/8	8	5 1/4	14 5/8	3 1/4	10 5/8	17 3/4	9 3/4	12 5/8	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	14 3/8	2 3/8	16.0
2M	48		3	3/4	1	7	3 1/8	8	5 1/4	14 5/8	3 1/4	10 5/8	17 3/4	9 3/4	12 5/8	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	14 3/8	2 3/8	16.0
3	48		3	3/4	1	7	3 1/8	8	5 1/4	14 5/8	3 1/4	10 5/8	17 3/4	9 3/4	12 5/8	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	14 3/8	2 3/8	16.0
4	48		3	3/4	1	7	3 1/8	8	5 1/4	14 5/8	3 1/4	10 5/8	17 3/4	9 3/4	12 5/8	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	14 3/8	2 3/8	16.0
5	48		3	3/4	1	7	3 1/8	8	5 1/4	14 5/8	3 1/4	10 5/8	17 3/4	9 3/4	12 5/8	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	14 3/8	2 3/8	16.0

STANDARD SIGN
W20-4A, B, C, D, F & G

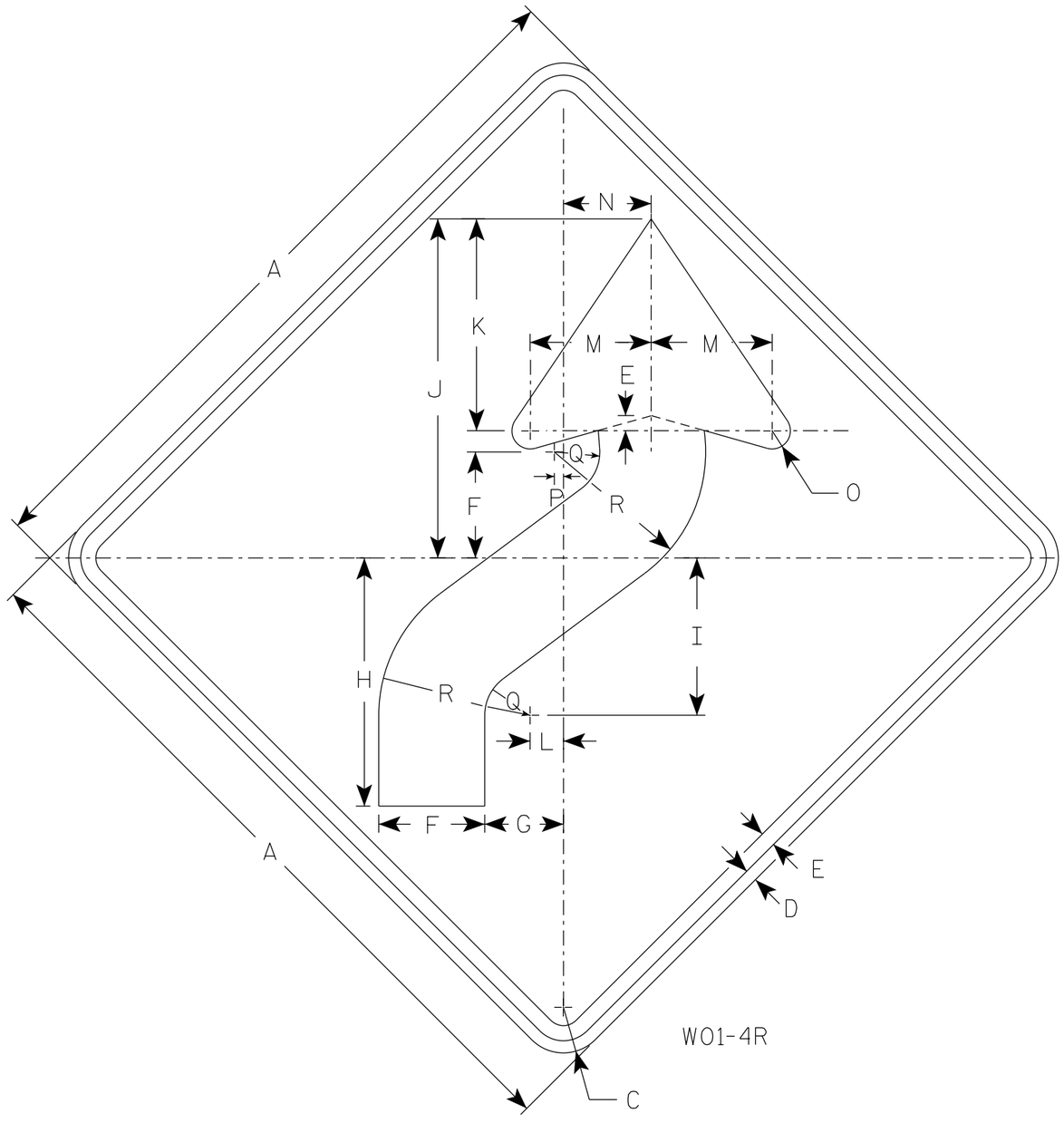
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/10/2024 PLATE NO. W20-4.10

PROJECT NO:

SHEET NO: 337 E



WO1-4R

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. WO1-4L is the same as WO1-4R except the arrow is reversed along the vertical centerline.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		2 1/4	5/8	3/4	5 1/4	4	12 3/8	7 7/8	16 7/8	10 1/2	1 5/8	6	4 1/2	1	1/2	2 1/4	7 1/2									9.0
2S	48		3	3/4	1	7	5 1/4	16 1/2	10 1/2	22 1/2	14	2 1/4	8	6	1 1/4	5/8	3	10									16.0
2M	48		3	3/4	1	7	5 1/4	16 1/2	10 1/2	22 1/2	14	2 1/4	8	6	1 1/4	5/8	3	10									16.0
3	48		3	3/4	1	7	5 1/4	16 1/2	10 1/2	22 1/2	14	2 1/4	8	6	1 1/4	5/8	3	10									16.0
4	48		3	3/4	1	7	5 1/4	16 1/2	10 1/2	22 1/2	14	2 1/4	8	6	1 1/4	5/8	3	10									16.0
5	48		3	3/4	1	7	5 1/4	16 1/2	10 1/2	22 1/2	14	2 1/4	8	6	1 1/4	5/8	3	10									16.0

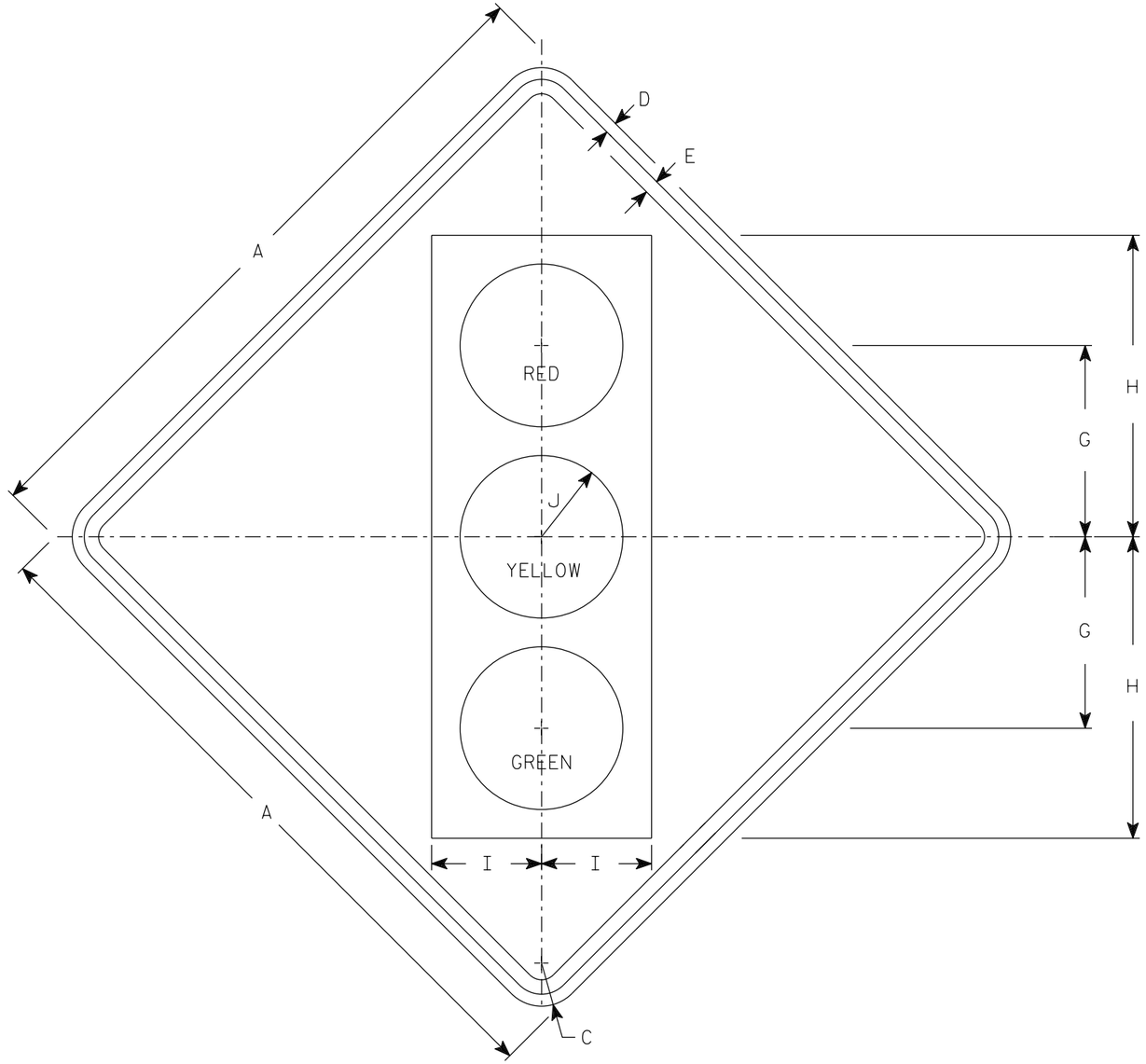
STANDARD SIGN
WO1-4

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 1/24/2024 PLATE NO. WO1-4.2

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 338 | E



W03-3

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - See Note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. Symbol and border are non-reflective black.
   Top circle - Type H Reflectorized Red
   Center circle - Same as background
   Bottom circle - Type H Reflectorized Green

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		10	15 3/4	5 3/4	4 1/4																	9.0
2S	48		3	3/4	1		12 1/2	20	7 1/2	5																	16.0
2M	48		3	3/4	1		12 1/2	20	7 1/2	5																	16.0
3	48		3	3/4	1		12 1/2	20	7 1/2	5																	16.0
4	48		3	3/4	1		12 1/2	20	7 1/2	5																	16.0
5	48		3	3/4	1		12 1/2	20	7 1/2	5																	16.0

STANDARD SIGN
W03-3

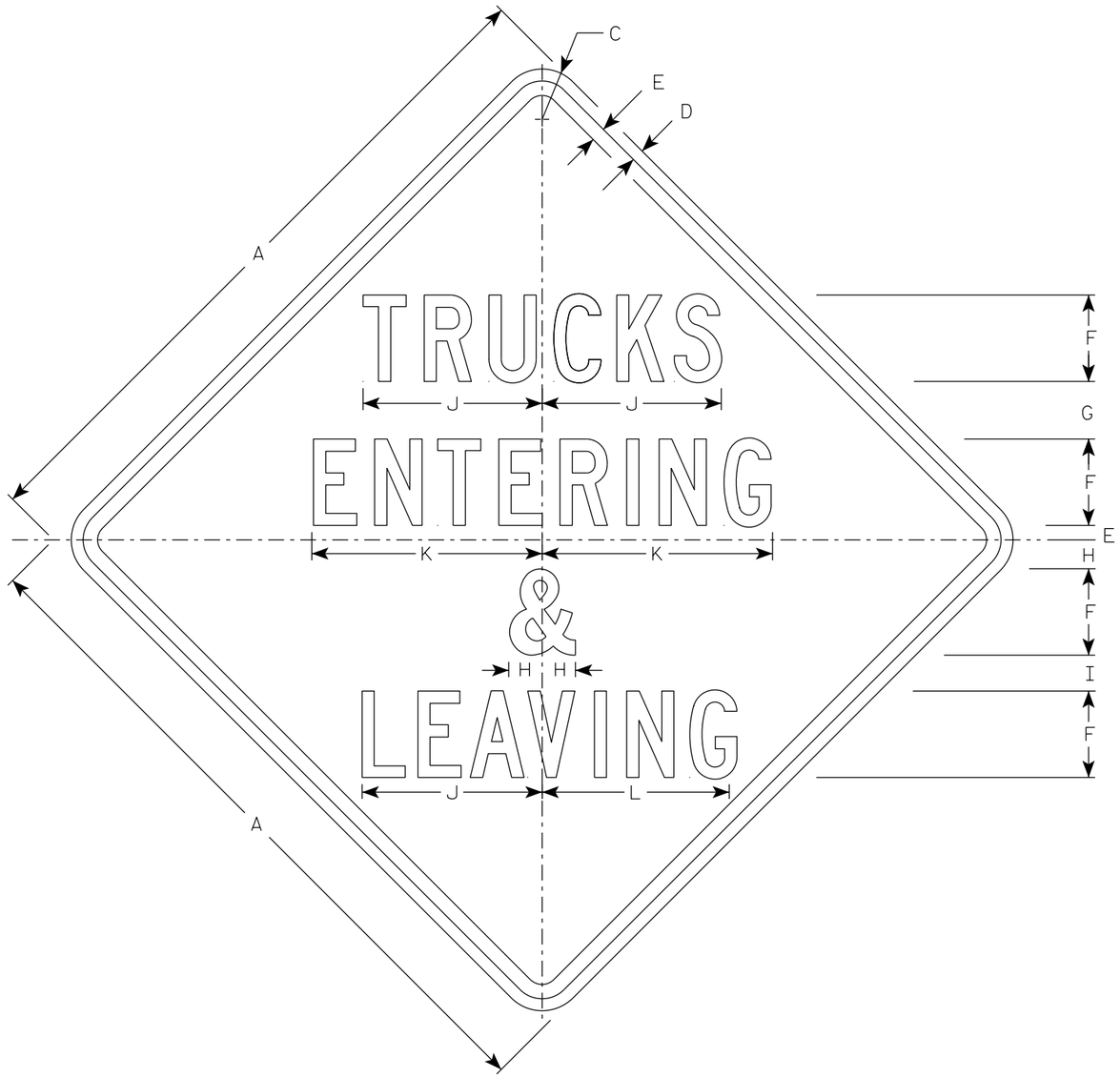
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/24/2024 PLATE NO. W03-3.2

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 339 | E

7



W08-6A

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		2 1/4	1/2	5/8	4 1/2	3	1 1/2	1 7/8	9 3/8	12	9 3/4															9.0
2S	48		3	3/4	1	6	4	2	2 1/2	12 1/2	16	13															16.0
2M	48		3	3/4	1	6	4	2	2 1/2	12 1/2	16	13															16.0
3	48		3	3/4	1	6	4	2	2 1/2	12 1/2	16	13															16.0
4	48		3	3/4	1	6	4	2	2 1/2	12 1/2	16	13															16.0
5	48		3	3/4	1	6	4	2	2 1/2	12 1/2	16	13															16.0

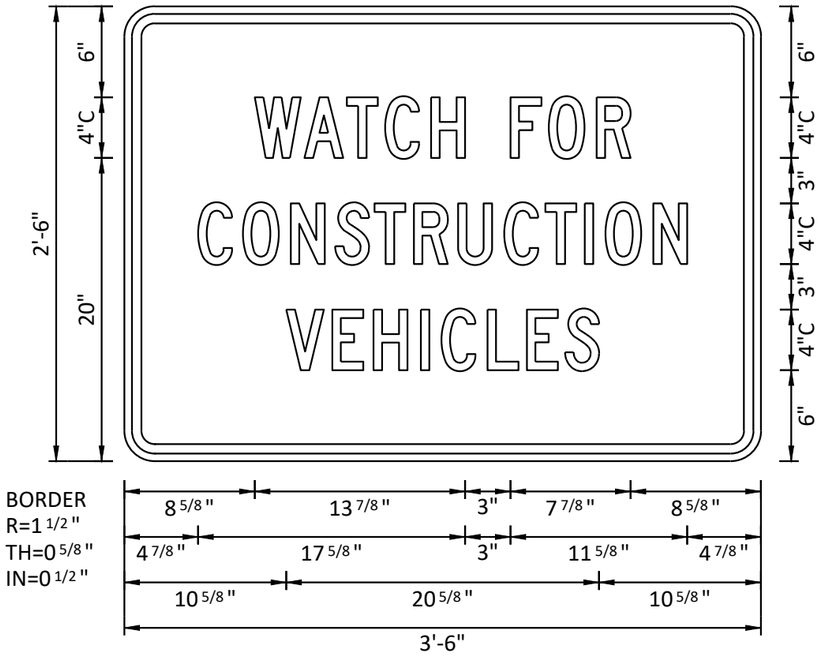
STANDARD SIGN
W08-6A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/31/2024 PLATE NO. W08-6A.2

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 340 E



NOTES:

1. FIXED MESSAGE SIGN IS TYPE II - TYPE F REFLECTIVE
2. COLOR:
   BACKGROUND: ORANGE
   MESSAGE: BLACK
3. MESSAGE SERIES - C

GUARDRAIL POST LOCATIONS

POST NUMBER	CENTER OF POST LOCATION STATION	OFFSET	DIR	P GRND ELEV AT FACE OF RAIL	POST HEIGHT "H"	TOP OF POST ELEV
P1	761+66.59	33.52'	LT	777.83	63.75''	780.48
P2	761+69.76	33.52'	LT	777.83	63.75''	780.48
P3	761+72.92	33.52'	LT	777.83	63.75''	780.48
P4	761+76.07	33.52'	LT	777.83	63.75''	780.48
P5	761+79.24	33.52'	LT	777.84	64.00''	780.51
P6	761+82.40	33.52'	LT	777.84	64.00''	780.51
P7	761+85.56	33.52'	LT	777.85	64.00''	780.51
P8	761+88.72	33.52'	LT	777.85	64.00''	780.51
P9	761+91.88	33.52'	LT	777.86	64.00''	780.51

NOTES:
1. TOP OF CULVERT ELEVATION AND POST ANGLE "A" TO BE VERIFIED PRIOR TO FABRICATING POSTS
2. "H" MEASURED FROM TOP OF ½" THICK BASE PLATE TO TOP OF POST

TOTAL ESTIMATED QUANTITIES

BID ITEM NUMBER	BID ITEMS	UNIT	TOTAL
206.2001.01	EXCAVATION FOR STRUCTURES CULVERTS (B-70-98)	EA	1

LIST OF DRAWINGS

1. BEAM GUARD POST LAYOUT

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

DIMENSIONS SHOWN ARE BASED ON THE ORIGINAL STRUCTURE PLANS.

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

CUT BOTTOM OF POST SO THAT POST WILL BE VERTICAL WHEN POST ASSEMBLY IS PLACED ON TOP OF THE CUVERT. ALONG THE ROADWAY THE POST WILL BE NORMAL TO THE GRADE LINE. HEX BOLTS AND THREADED RODS ARE TO BE PLACED PERPENDICULAR TO THE BASE PLATE.

POST, BASE PLATE AND BOTTOM PLATE, AND SHIMS SHALL BE GALVANIZED AFTER FABRICATION.

PRIOR TO GALVANIZING, ALL STEEL POSTS AND PLATES SHALL BE GIVEN A NO. 6 COMMERCIAL BLAST CLEANING BY SSPC SPECS.

ALL MATERIAL USED IN POSTS AND PLATES SHALL BE MADE FROM MATERIAL CONFORMING TO ASTM DESIGNATION A709 GRADE 50 OR 50S.

HEX BOLTS, THREADED RODS, HEX NUTS AND WASHERS SHALL CONFORM TO THE REQUIREMENTS OF ASTM F1554 GRADE 36, AND SHALL BE GALVANIZED. RODS ARE TO BE FULLY THREADED AND BOLTS TO BE THREADED 3". CHAMFER TOP OF BOLTS AND RODS BEFORE THREADING.

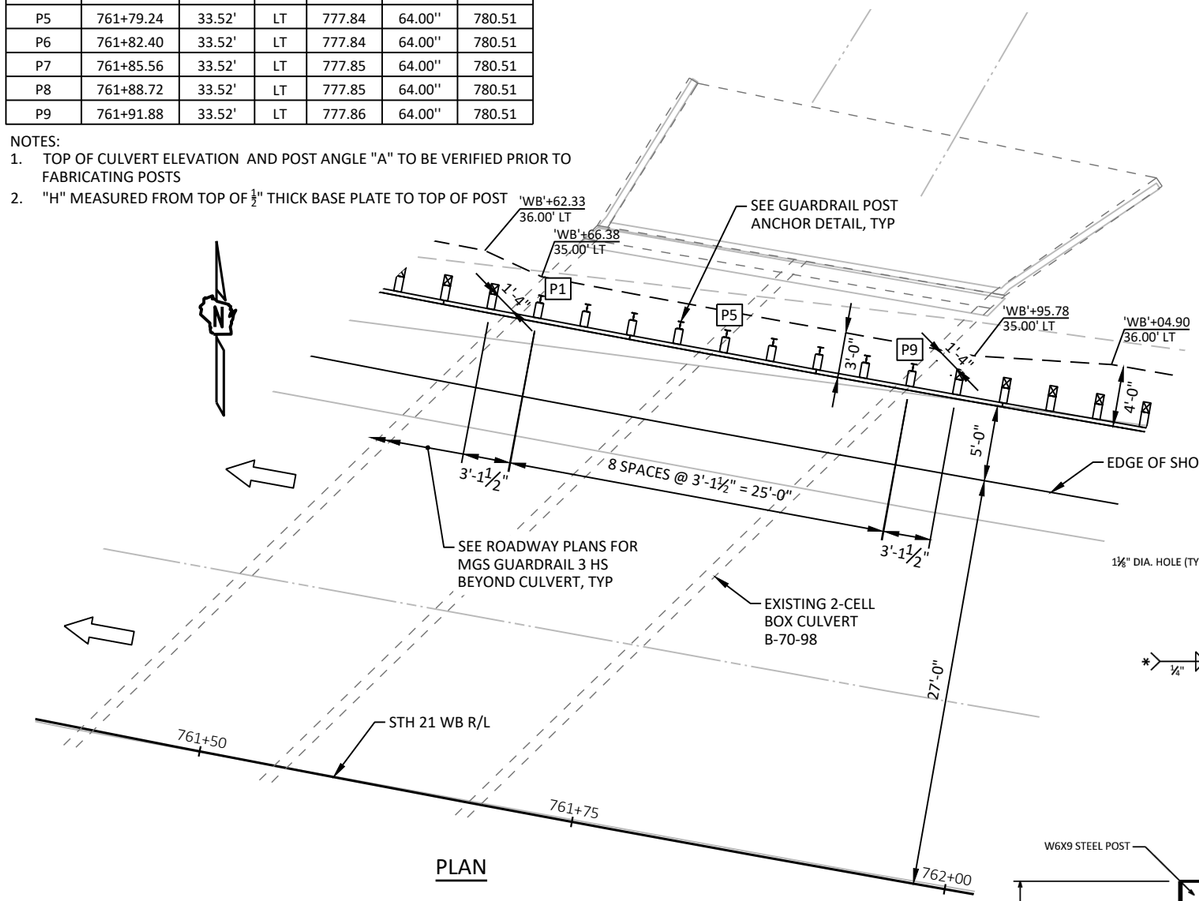
STEEL SHIMS MAY BE USED BETWEEN PLATES AND SLAB WHERE REQUIRED FOR ALIGNMENT.

IF BOLT IS IN CONFLICT WITH WALL, UTILIZE ADHESIVE ANCHORS PER SDD ANCHOR POST ASSEMBLY TOP MOUNTED. ADHESIVE ANCHORS INCIDENTAL TO ANCHOR POST ASSEMBLY TOP MOUNTED ITEM.

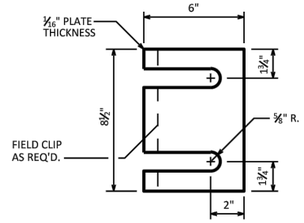
☆ ADHESIVE ANCHORS (1-INCH DIA. THREADED ROD). EMBED IN CONCRETE AS DETAILED. CHARACTERISTIC BOND STRENGTH SHALL MEET OR EXCEED 1305 PSI FOR UNCRACKED CONCRETE. SEE STANDARD SPECIFICATION 502.3.14 AND APPLY TO THREADED RODS.

STATE PROJECT NUMBER

6180-31-71

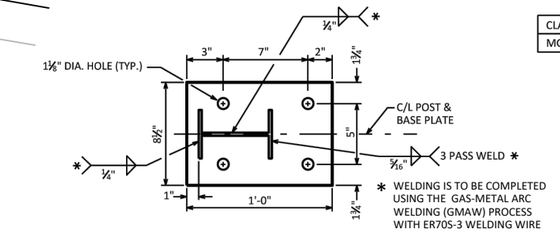


PLAN



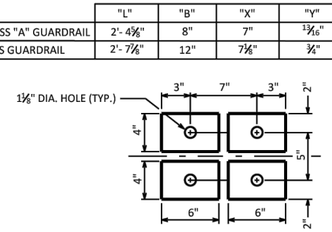
STEEL SHIM DETAIL

4 PER POST



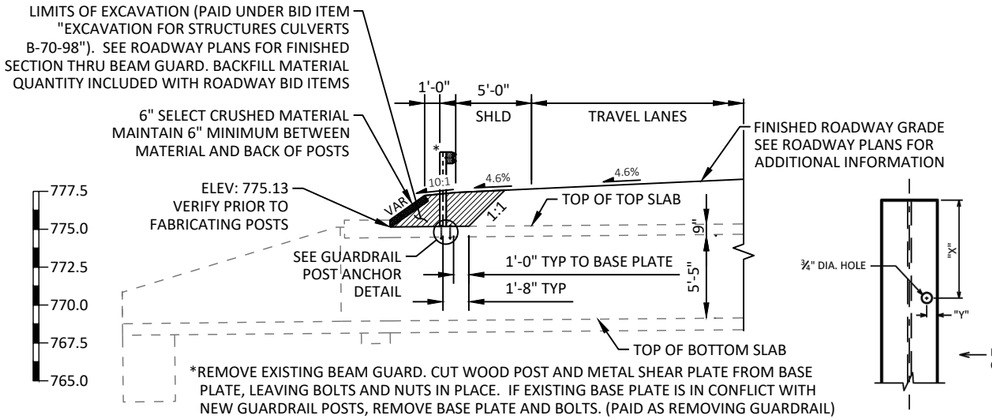
SECTION A-A

POST & BASE PLATE



SECTION B-B

(4) BOTTOM PLATES

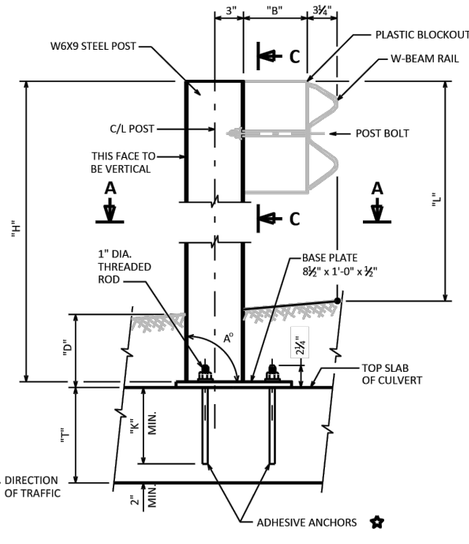


PARTIAL ELEVATION

LOOKING UP STATION

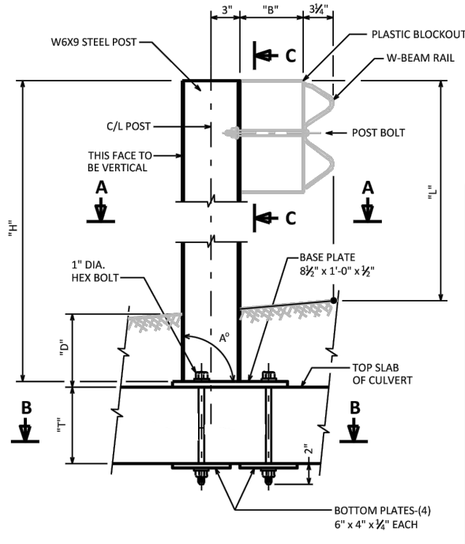
SECTION C-C

HOLE IN POST FLANGE ON APPROACHING TRAFFIC SIDE



GUARD RAIL POST ANCHOR - TYPE 1

(ELEVATION VIEW)



GUARD RAIL POST ANCHOR - TYPE 2

(ELEVATION VIEW)

	"L"	"B"	"X"	"Y"	SOURCE
CLASS "A" GUARDRAIL	2'- 4⅝"	8"	7"	13/16"	SDD 14 B 15
MGS GUARDRAIL	2'- 7⅞"	12"	7⅞"	¾"	SDD 14 B 42

WISCONSIN
ROBERT F. SISTO
E-38092-006
APPLETON, WI
PROFESSIONAL ENGINEER
05/14/2025

STRUCTURE DESIGN CONTACTS:

ROB SISTO (CONSULTING) 920-830-6108
AARON BONK 608-261-0261

NO.	DATE	REVISION	BY

Westwood

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

ACCEPTED EMK 05/23/25
CHIEF STRUCTURES DESIGN ENGINEER — DATE

STRUCTURE B-70-98

STH 21 OVER HONEY CREEK

COUNTY	TOWN
WINNEBAGO	ALGOMA

DESIGN SPEC.
REHABILITATION - N/A

DESIGNED BY	DESIGN CK'D	DRAWN BY	PLANS CK'D
ADW	RFS	ADW	RFS

BEAM GUARD POST LAYOUT

SHEET 1 OF 1
342

I.D. DATE:

GUARDRAIL POST LOCATIONS

POST NUMBER	CENTER OF POST LOCATION STATION	OFFSET	DIR	P GRND ELEV AT FACE OF RAIL	POST HEIGHT "H"	TOP OF POST ELEV
P11	752+13.14	33.52'	LT	780.30	71.00''	782.96
P12	752+16.31	33.52'	LT	780.30	71.00''	782.96
P13	752+19.47	33.52'	LT	780.29	71.00''	782.96
P14	752+22.63	33.52'	LT	780.28	70.75''	782.94
P15	752+25.79	33.52'	LT	780.27	70.75''	782.94
P16	752+28.95	33.52'	LT	780.27	70.50''	782.92
P17	752+32.11	33.52'	LT	780.26	70.50''	782.92
P18	752+35.27	33.52'	LT	780.26	70.50''	782.92
P19	752+38.43	33.52'	LT	780.25	70.50''	782.92
P20	752+41.59	33.52'	LT	780.25	70.25''	782.90

NOTES:
1. TOP OF CULVERT ELEVATION AND POST ANGLE "A" TO BE VERIFIED PRIOR TO FABRICATING POSTS
2. "H" MEASURED FROM TOP OF ½" THICK BASE PLATE TO TOP OF POST

TOTAL ESTIMATED QUANTITIES

BID ITEM NUMBER	BID ITEMS	UNIT	TOTAL
206.2001.02	EXCAVATION FOR STRUCTURES CULVERTS (B-70-99)	EA	1

LIST OF DRAWINGS

1. BEAM GUARD POST LAYOUT

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

DIMENSIONS SHOWN ARE BASED ON THE ORIGINAL STRUCTURE PLANS.

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

CUT BOTTOM OF POST SO THAT POST WILL BE VERTICAL WHEN POST ASSEMBLY IS PLACED ON TOP OF THE CUVERT. ALONG THE ROADWAY THE POST WILL BE NORMAL TO THE GRADE LINE. HEX BOLTS AND THREADED RODS ARE TO BE PLACED PERPENDICULAR TO THE BASE PLATE.

POST, BASE PLATE AND BOTTOM PLATE, AND SHIMS SHALL BE GALVANIZED AFTER FABRICATION.

PRIOR TO GALVANIZING, ALL STEEL POSTS AND PLATES SHALL BE GIVEN A NO. 6 COMMERCIAL BLAST CLEANING BY SSPC SPECS.

ALL MATERIAL USED IN POSTS AND PLATES SHALL BE MADE FROM MATERIAL CONFORMING TO ASTM DESIGNATION A709 GRADE 50 OR 50S.

HEX BOLTS, THREADED RODS, HEX NUTS AND WASHERS SHALL CONFORM TO THE REQUIREMENTS OF ASTM F1554 GRADE 36, AND SHALL BE GALVANIZED. RODS ARE TO BE FULLY THREADED AND BOLTS TO BE THREADED 3". CHAMFER TOP OF BOLTS AND RODS BEFORE THREADING.

STEEL SHIMS MAY BE USED BETWEEN PLATES AND SLAB WHERE REQUIRED FOR ALIGNMENT.

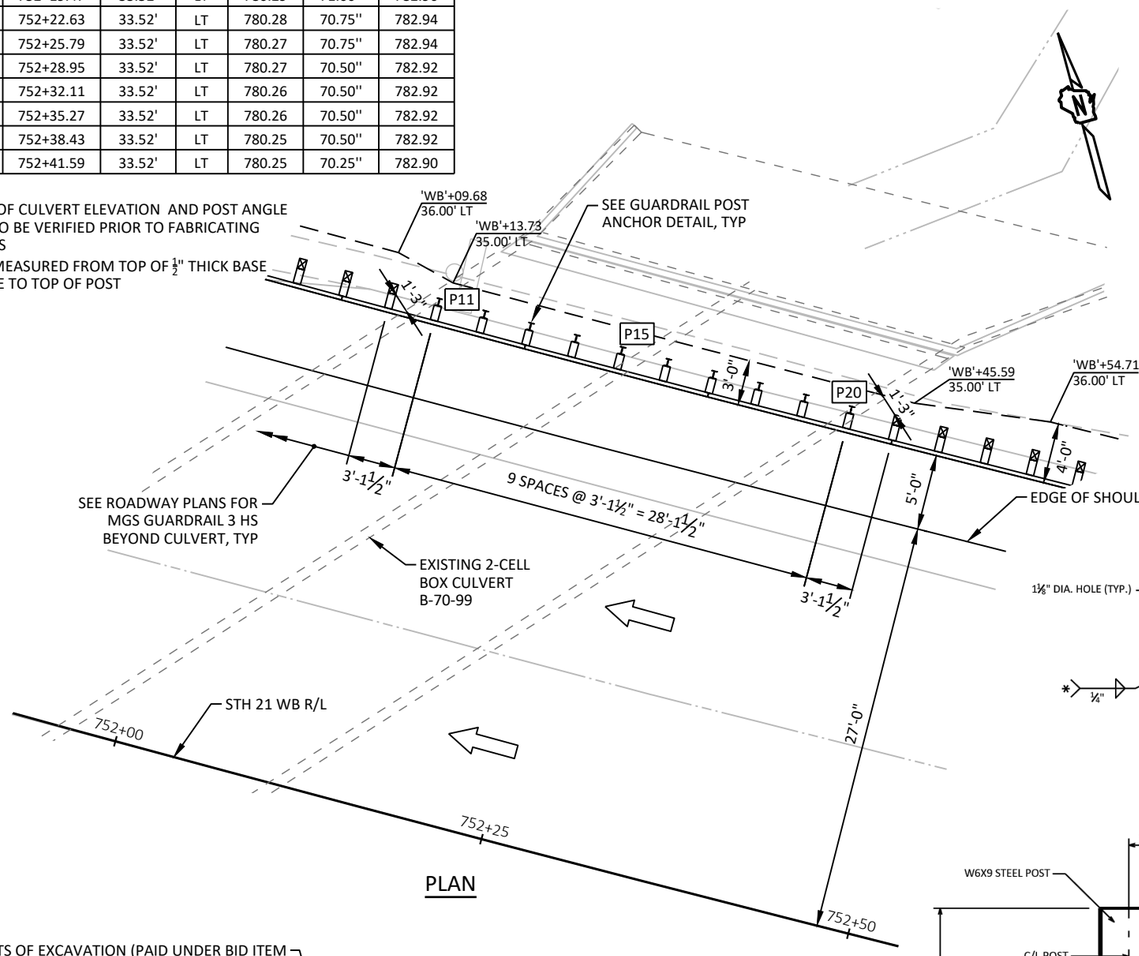
IF BOLT IS IN CONFLICT WITH WALL, UTILIZE ADHESIVE ANCHORS PER SDD ANCHOR POST ASSEMBLY TOP MOUNTED. ADHESIVE ANCHORS INCIDENTAL TO ANCHOR POST ASSEMBLY TOP MOUNTED ITEM.

☆ ADHESIVE ANCHORS (1-INCH DIA. THREADED ROD). EMBED IN CONCRETE AS DETAILED. CHARACTERISTIC BOND STRENGTH SHALL MEET OR EXCEED 1305 PSI FOR UNCRACKED CONCRETE. SEE STANDARD SPECIFICATION 502.3.14 AND APPLY TO THREADED RODS.

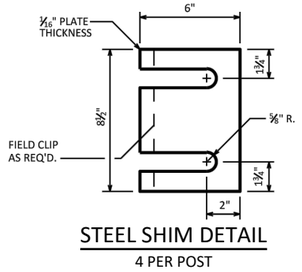
	"L"	"B"	"X"	"Y"	SOURCE
CLASS "A" GUARDRAIL	2'- 4⅝"	8"	7"	13/16"	SDD 14 B 15
MGS GUARDRAIL	2'- 7⅞"	12"	7⅞"	¾"	SDD 14 B 42

STATE PROJECT NUMBER

6180-31-71

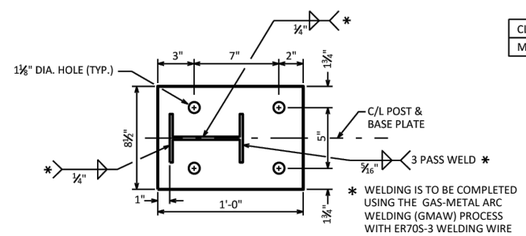


PLAN



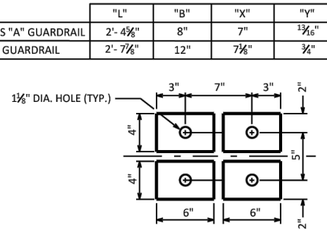
STEEL SHIM DETAIL

4 PER POST



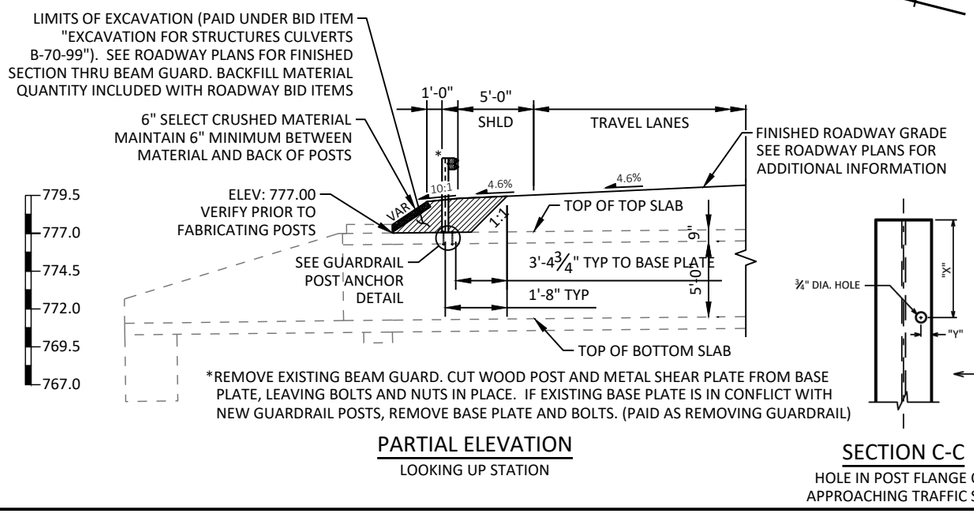
SECTION A-A

POST & BASE PLATE



SECTION B-B

(4) BOTTOM PLATES

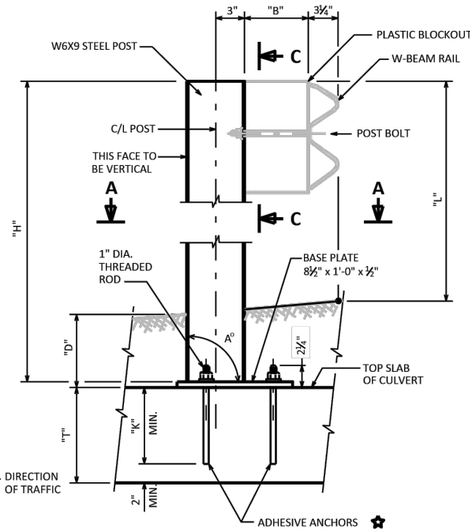


PARTIAL ELEVATION

LOOKING UP STATION

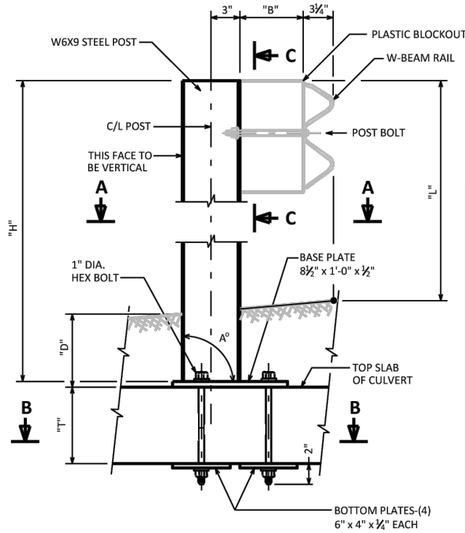
SECTION C-C

HOLE IN POST FLANGE ON APPROACHING TRAFFIC SIDE



GUARD RAIL POST ANCHOR - TYPE 1

(ELEVATION VIEW)



GUARD RAIL POST ANCHOR - TYPE 2

(ELEVATION VIEW)

WISCONSIN
ROBERT F. SISTO
E-38092-006
APPLETON, WI
PROFESSIONAL ENGINEER

05/14/2025

STRUCTURE DESIGN CONTACTS:

ROB SISTO (CONSULTD) 920-830-6108
AARON BONK 608-261-0261

NO.	DATE	REVISION	BY

Westwood

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

ACCEPTED EMK 05/23/25
CHIEF STRUCTURES DESIGN ENGINEER DATE

STRUCTURE B-70-99

STH 21 OVER HONEY CREEK

COUNTY WINNEBAGO | TOWN ALGOMA

DESIGN SPEC. REHABILITATION - N/A

DESIGNED BY	DESIGN CK'D	DRAWN BY	PLANS CK'D
ADW	RFS	ADW	RFS

BEAM GUARD POST LAYOUT

SHEET 1 OF 1
343

I.D. DATE:

8

8

DESIGN DATA

CONTRACTOR DESIGNED OVERHEAD SIGN STRUCTURES SHALL BE DESIGNED ACCORDING TO THE AASHTO "LRFD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNALS", 1ST EDITION AND INTERIM SPECIFICATIONS, AND THE WISDOT BRIDGE MANUAL.

STANDARD FOUNDATIONs DESIGNED ACCORDING TO THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, 8TH EDITION.

DEAD LOAD: WT. OF SIGN AND SUPPORTING STRUCTURE
ICE LOAD: 3 PSF TO ONE FACE OF SIGN & SURFACE OF MEMBERS
WIND PRESSURE: 115 MPH (3-SEC. GUST SPEED) TO SIGN AREA & EXPOSED MEMBERS (700 YEAR MEAN RECURRENCE INTERVAL)

WIND COMPONENTS	NORMAL	TRANSVERSE
LOAD CASE 1:	1.00	0.00
LOAD CASE 2:	0.00	1.00
LOAD CASE 3:	0.75	0.75

LOAD COMBINATIONS

STRENGTH I:	1.25 DC + 1.6 LL
EXTREME I (MAX DC):	1.1 DC + 1.0 W + 1.0 ICE
EXTREME I (MIN DC):	0.9 DC + 1.0 W
SERVICE I:	1.0 DC + 1.0 W
FATIGUE:	1.0 NW (NATURAL WIND GUST)
	1.0 TrG (TRUCK INDUCED GUST)
	1.0 GVW (GALLOPING - CANTILEVER ONLY)

MATERIAL PROPERTIES

CONCRETE MASONRY ——— f'_c = 3,500 PSI

HIGH STRENGTH STEEL REINFORCEMENT, GRADE 60 ——— f_y = 60,000 PSI

STRUCTURAL ANGLES, PLATES & BARS - ASTM A709 GRADE 36 ——— f_y = 36,000 PSI

HIGH STRENGTH BOLTS - ASTM A3125 GRADE A325 ——— f_y = 92,000 PSI

ANCHOR RODS - ASTM F1554 GRADE 55 ——— f_y = 55,000 PSI

HEAVY HEX NUTS - ASTM A563 GRADE DH OR ASTM A194 GRADE 2H

WASHERS - ASTM F436

DTI WASHERS - ASTM F959 TYPE 325

FOUNDATION DATA

SIGN STRUCTURE FOUNDATIONS ARE SUPPORTED ON DRILLED SHAFTS THAT HAVE BEEN DESIGN FOR SITES WHERE SOILS EXHIBIT A PHI-ANGLE GREATER THAN OR EQUAL TO 24° (GRANULAR SOILS), OR A COHESION VALUE GREATER THAN OR EQUAL TO 750 PSF (COHESIVE SOILS) AND A UNIT WEIGHT OF 125 PCF. THE GROUND WATER TABLE FOR DESIGN IS ASSUMED TO BE AT A DEPTH OF 10'-0" BELOW THE GROUND SURFACE, ACTUAL WATER LEVEL AT SITE MAY VARY. THE REGION GEOTECHNICAL ENGINEER SHALL VISUALLY INSPECT THE SUBSURFACE SOILS DURING THE DRILLING OF THE SHAFT HOLE TO 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 COUNTY COORDINATE SYSTEM (WCCS), WINNEBAGO 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-70-0390	28 SF	4'-0"	TYPE III	MC III
S-70-0391	28 SF	4'-0"	TYPE III	MC III
S-70-0392	28 SF	4'-0"	TYPE III	MC III

LIST OF DRAWINGS:

1. GENERAL NOTES & DESIGN DATA
2. LAYOUT S-70-0390
3. LAYOUT S-70-0391
4. LAYOUT S-70-0392

LIST OF STANDARD DESIGN DRAWINGS

X. I. MONOTUBE & 2-CHORD TRUSS CONNECTIONS 1
X. II. MONOTUBE & 2-CHORD TRUSS CONNECTIONS 2
X. III. MONOTUBE & 2-CHORD TRUSS ELECTRICAL DETAILS
X. IV. MONOTUBE & 2-CHORD TRUSS FOUNDATIONS

STATE PROJECT NUMBER

6180-31-71

TRAFFIC VOLUME

A.D.T. (2047) = 20,900
R.D.S. = 55 MPH

TOTAL ESTIMATED QUANTITIES

	CATEGORY		0050	0060	0070
BID ITEM NO.	BID ITEM	UNIT	S-70-0390	S-70-0391	S-70-0392
531.2042	DRILLING SHAFT 42-INCH	LF	18	18	18
531.5130	FOUNDATION SINGLE-SHAFT TYPE MC-III	EA	1	1	1
532.5130	MONOTUBE CANTILEVER TYPE III	EA	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.

STRUCTURE DESIGN CONTACTS:
AARON BONK 608-261-0261
ERIC SIKORSKI 920-492-4161

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORATION

ACCEPTED JLR 09/16/25
CHIEF STRUCTURES DESIGN ENGINEER DATE

MONOTUBE & 2-CHORD

STH 21 AND LEONDARD POINT ROAD

COUNTY	TOWN
WINNEBAGO	ALGOMA

DESIGN SPEC.
AASHTO LRFD BRIDGE DESIGN SPECIFICATION

DESIGNED BY	DESIGNED CK'D	DRAWN BY	PLANS CK'D
ETS		ETS	

GENERAL NOTES & DESIGN DATA

SHEET 1 OF 6
344

SCALE =

I.D.

DATE:

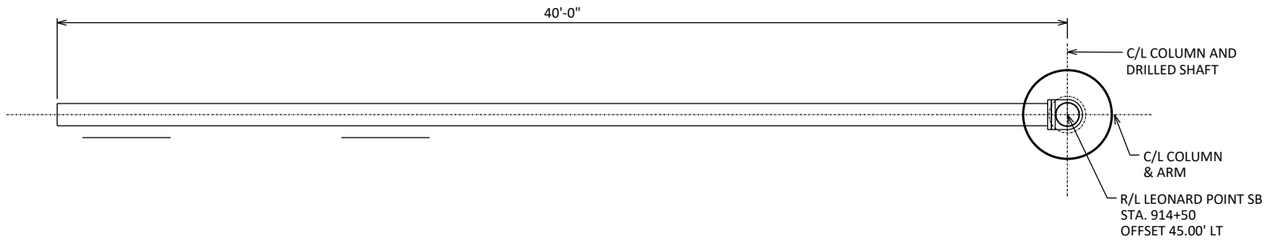
8

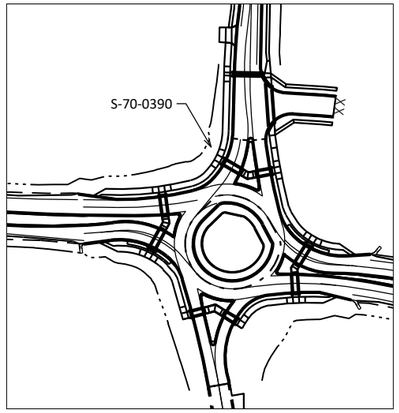
8

STATE PROJECT NUMBER

6180-31-71

STATION INCREASE

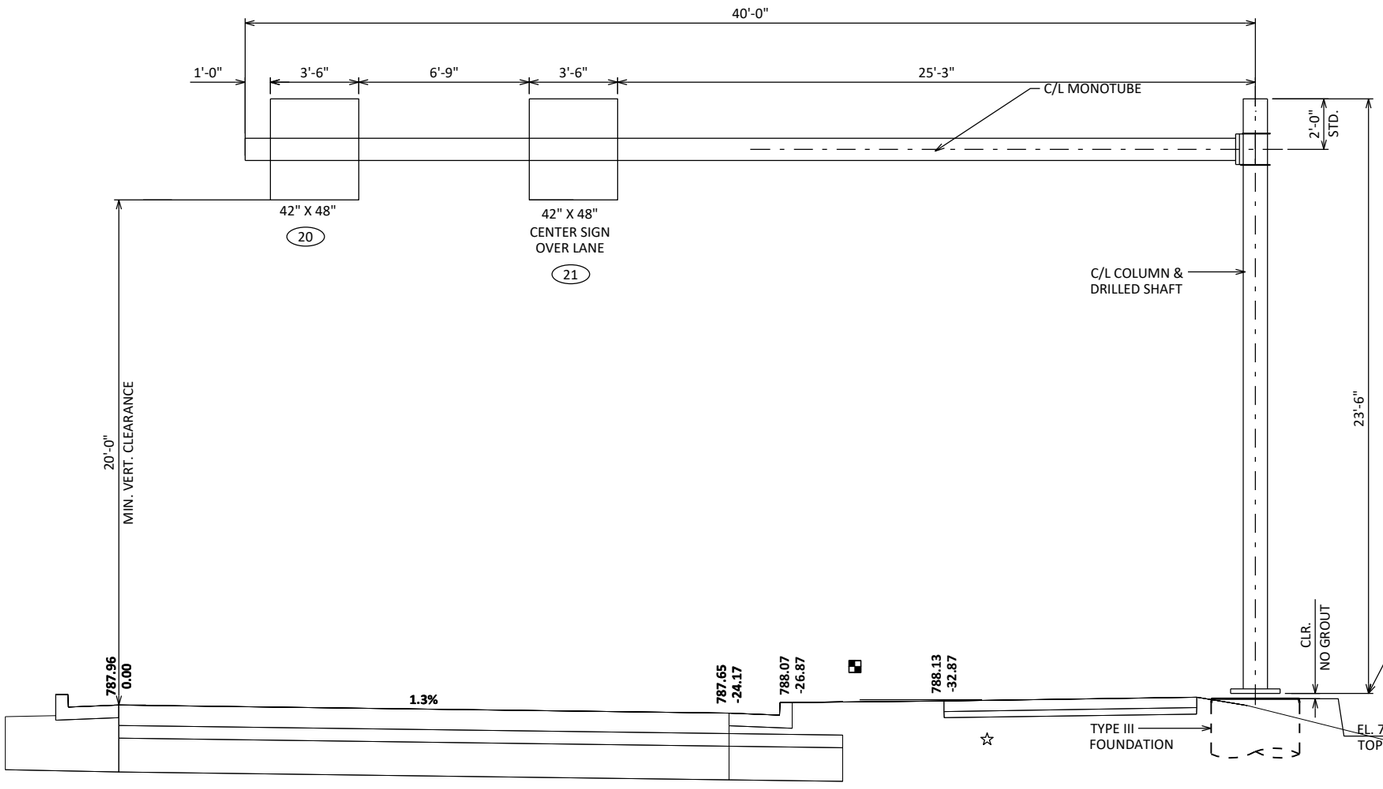




LOCATION MAP

PLAN

STA. 914+56 SB
LEONARD POINT RD
150' NORTH OF STH 21



ELEVATION

LOOKING SOUTH 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-70-0390

DRAWN BY	ETS	PLANS CK'D

LAYOUT

SHEET 345

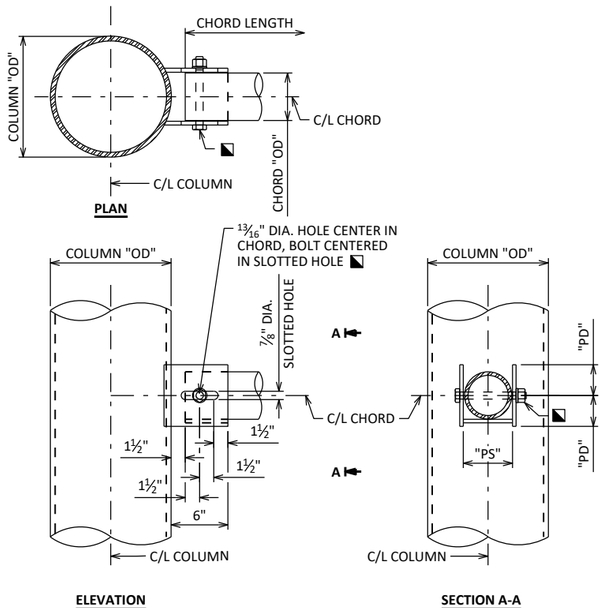
SCALE =

8

8

STATE PROJECT NUMBER

STANDARD



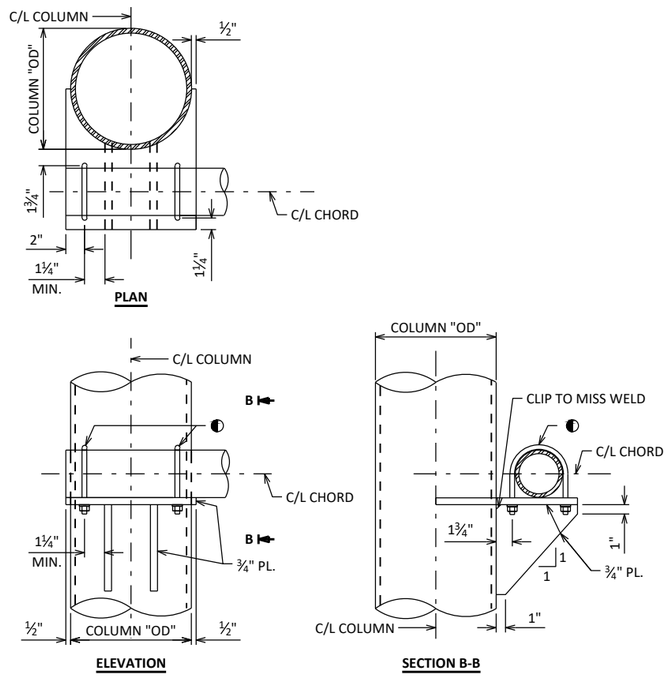
FULL SPAN SADDLE CONNECTION

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"

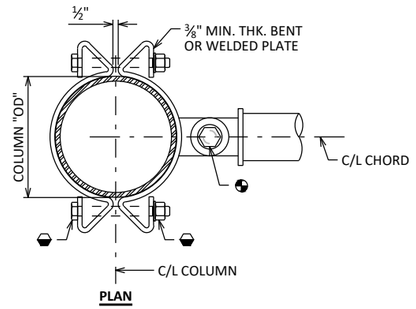
"PS" = CHORD "OD" + 1/16"

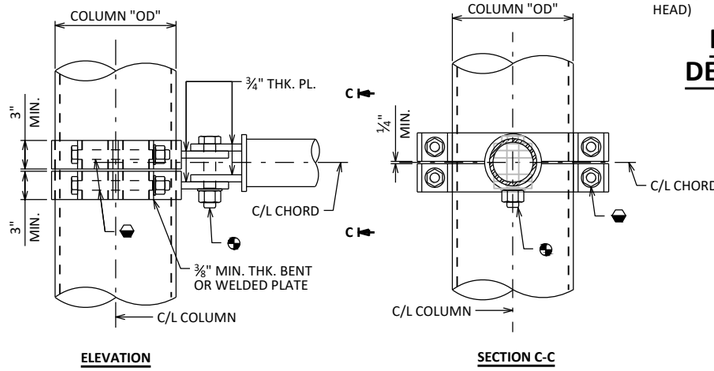


FULL SPAN STIFFENED BEARING CONNECTION

ALTERNATE 1

MIN. (2) ½" MIN. GALVANIZED OR STAINLESS U-BOLT, LOCK NUT AND WASHER



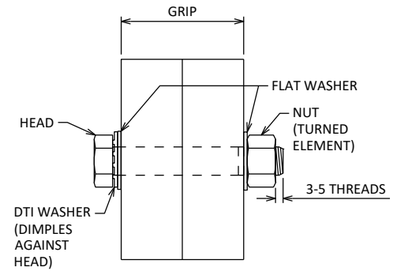


FULL SPAN CLAMP CONNECTION

ALTERNATE 2 - TAPERED COLUMNS ONLY

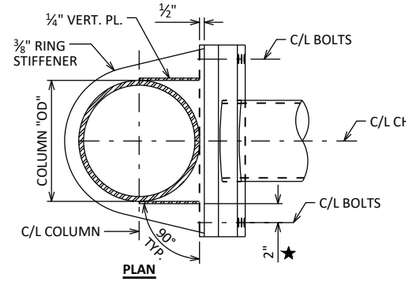
1¼" GALVANIZED A325 HEAVY HEX BOLT, NUT AND WASHER

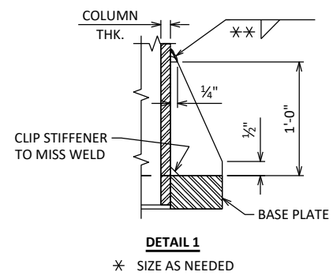
1" GALVANIZED A325 HEAVY HEX BOLT, NUT AND WASHER

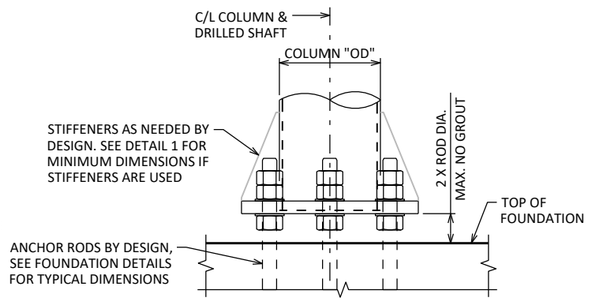


RECOMMENDED BOLT DETAIL WITH DTI WASHER

NUT IS TURNED ELEMENT



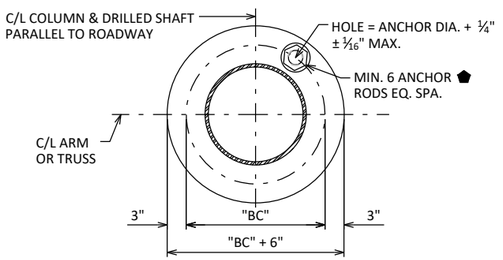




PREFERRED BASE PLATE CONNECTION

LOOKING AT F.F. OF STRUCTURE.

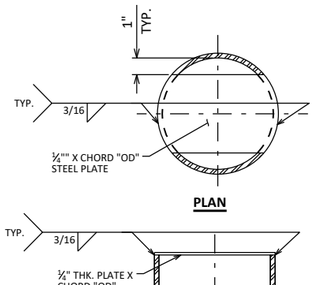
ALTERNATE BASE PLATE DESIGNS ALLOWED.



BASE PLATE

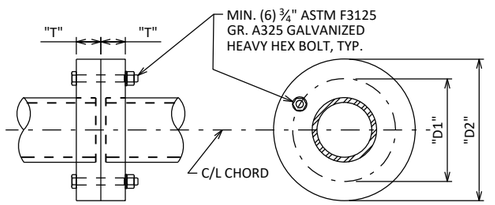
"BC" = COLUMN "OD" + 6"

⬟ ANCHOR SIZE AND ORIENTATION TO BE VERIFIED WITH SHOP DRAWINGS.



CHORD CAP DETAIL

CANTILEVERS ONLY



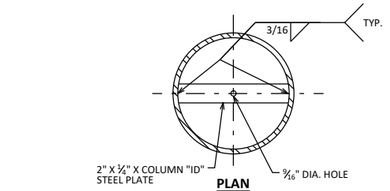
CHORD SPLICE DETAIL

"D1" = COLUMN "OD" + (1.5 x DB)

"D2" = COLUMN "OD" + (3 x DB)

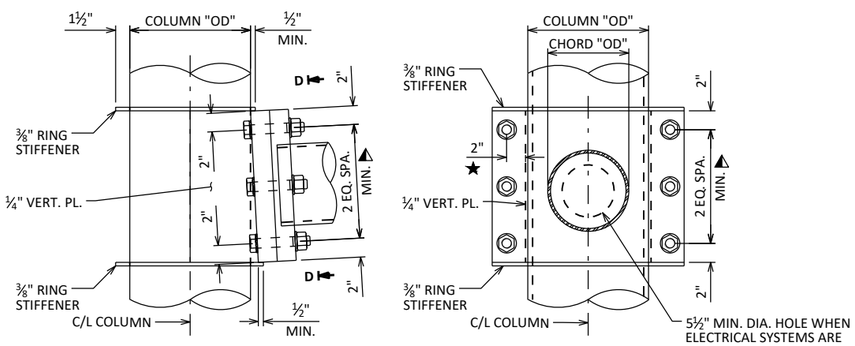
"T" = (BY DESIGN)

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
346

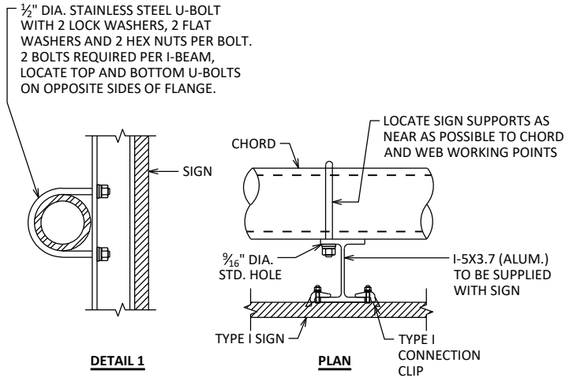
SCALE = 2.0

8

8

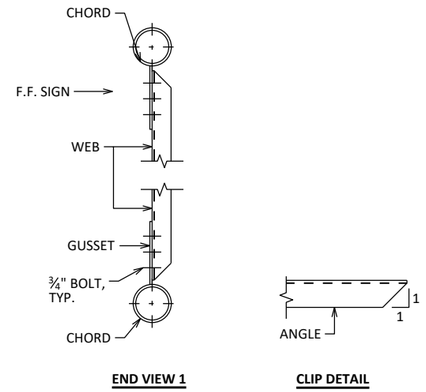
STATE PROJECT NUMBER

STANDARD



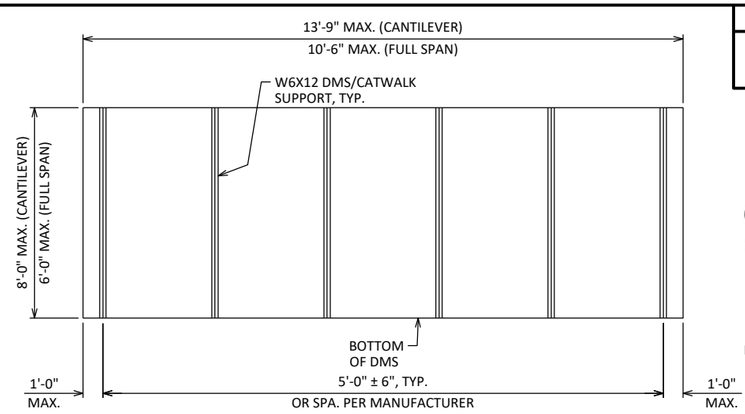
2-CHORD TRUSS SIGN CONNECTION

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.



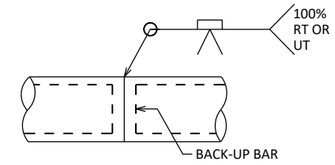
TRUSS CONNECTION DETAILS

MEMBER ORIENTATION FOR BOLTED CONNECTIONS SHOWN, WELDED CONNECTIONS SIMILAR.
ANGLES PREFERRED, OTHER WEB DESIGNS ALLOWED.



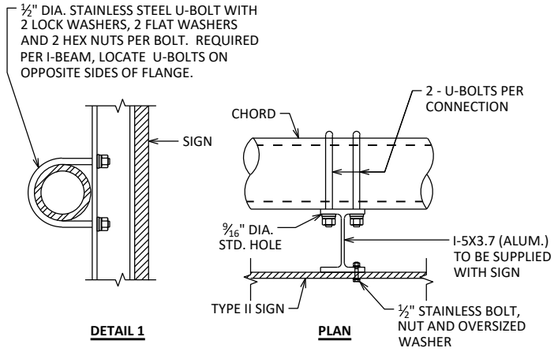
DMS MOUNTING POST DETAIL

POST SPACING MAY BE ADJUSTED AS REQUIRED IF SPACING CONFLICTS WITH GUSSET PLATES OF TRUSS WITHIN TOLERANCES NOTED.



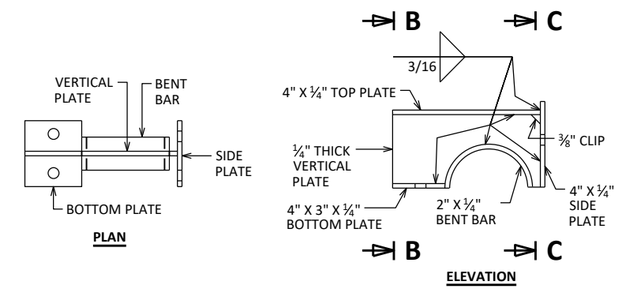
CHORD SPLICE

SEPARATE OPTIONAL SPLICE FROM GUSSET PLATES BY 6" MIN.

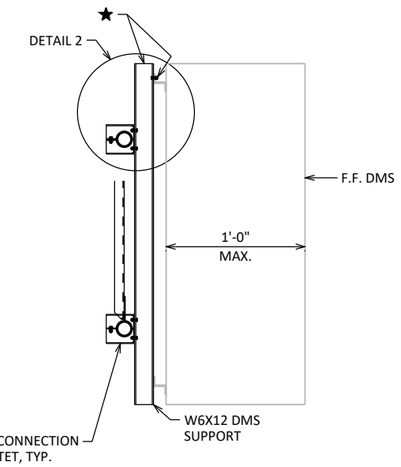


MONOTUBE SIGN CONNECTION

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

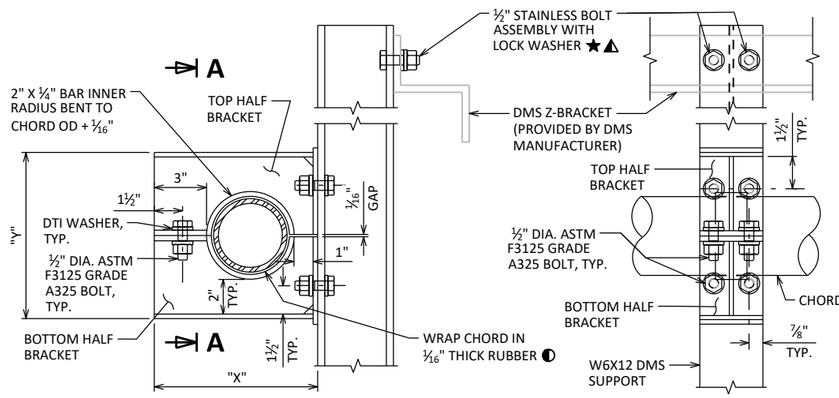


SECTION THRU TRUSS - DMS

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.

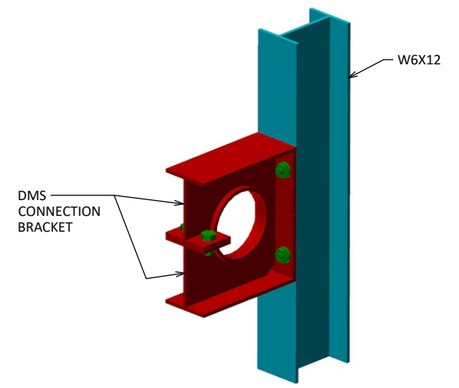


CHORD "OD"	"X"	"Y"
"OD"	"OD" + $4\frac{13}{16}$"	"OD" + $5\frac{5}{16}$"

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
347

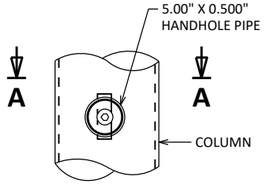
SCALE = 4.0

8

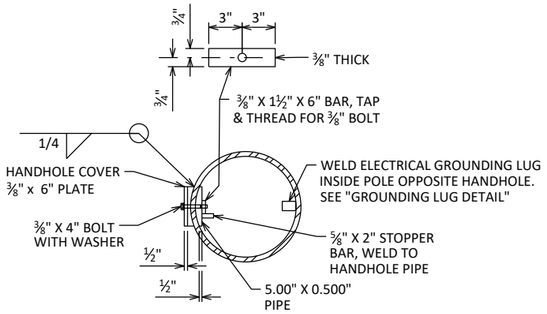
8

STATE PROJECT NUMBER

STANDARD



ELEVATION

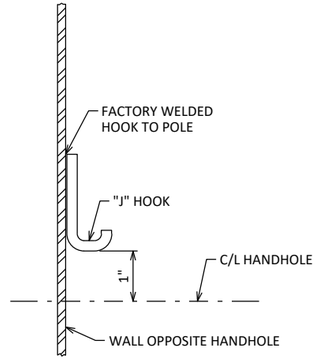


SECTION A-A

HANDHOLE DETAILS

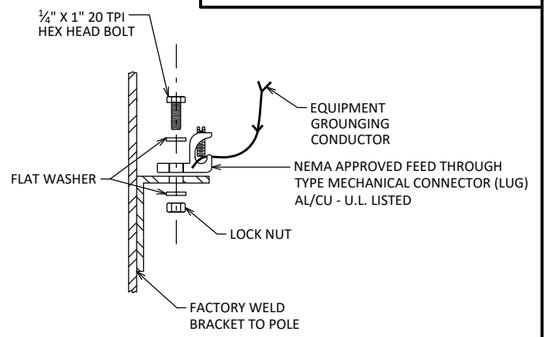
HANDHOLES SHALL BE LOCATED IN ONE COLUMN OF THE SIGN BRIDGE STRUCTURE IF ELECTRICALLY OPERATED DEVICES ARE INSTALLED ON/IN THE STRUCTURE. COLUMNS WITH HANDHOLES SHALL BE NEAR THE ELECTRICAL SERVICE. THE CONTRACTOR SHALL VERIFY THE LOCATION OF THE ELECTRICAL SERVICE ENTRANCE WITH THE REGION TRAFFIC SECTION 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.



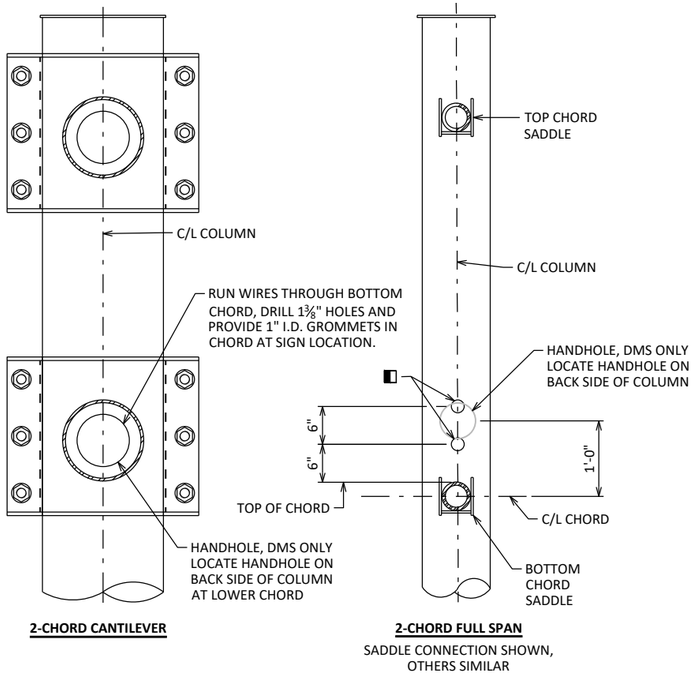
TYPICAL "J" HOOK LOCATION

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



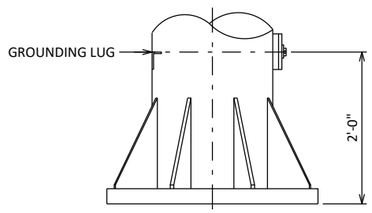
2-CHORD CANTILEVER

2-CHORD FULL SPAN

SADDLE CONNECTION SHOWN, OTHERS SIMILAR

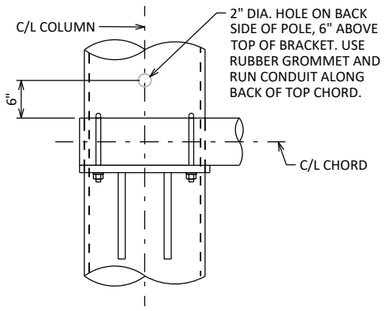
CONDUIT HOLE LOCATIONS

◧ 2" HOLE WITH STANDARD PIPE THREADS, USE THREADED CONDUIT PLUG FOR UNUSED HOLES

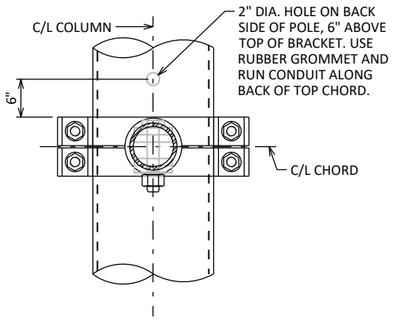


GROUNDING LUG LOCATION

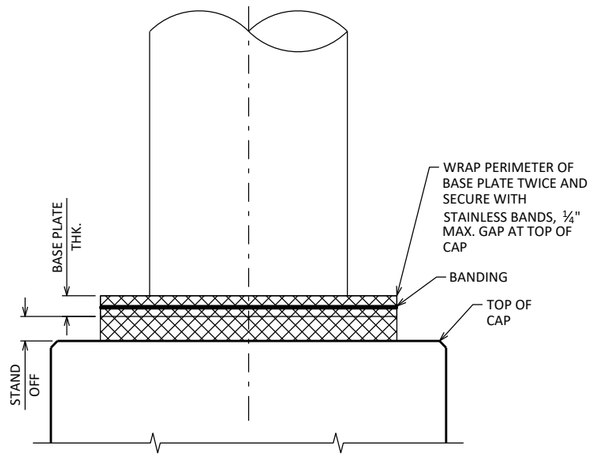
LOOKING AT THE F.F. OF STRUCTURE



FULL SPAN STIFFENED BEARING CONNECTION

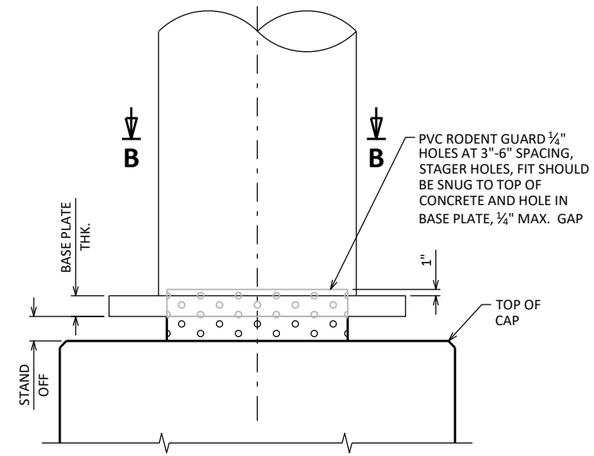


FULL SPAN CLAMP CONNECTION



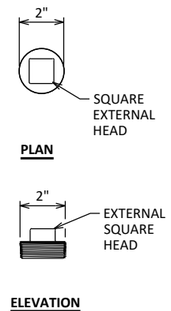
RODENT SCREEN

ONLY REQ'D WHEN ELECTRICAL DEVICES ARE PRESENT
ANCHOR RODS NOT SHOWN

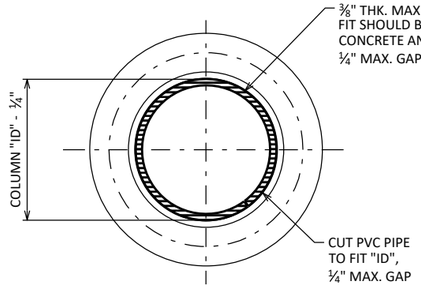


RODENT SCREEN - ALTERNATE

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

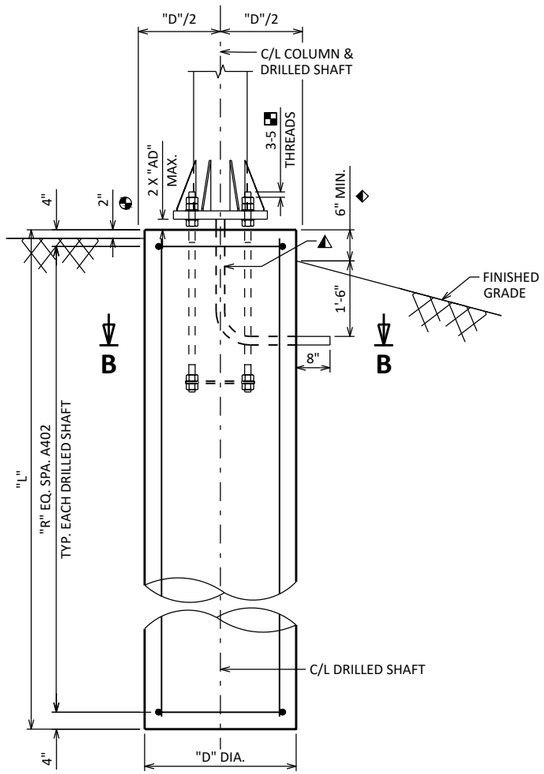
MONOTUBE & 2-CHORD TRUSS ELECTRICAL DETAILS

SHEET III
348

SCALE = 2.0

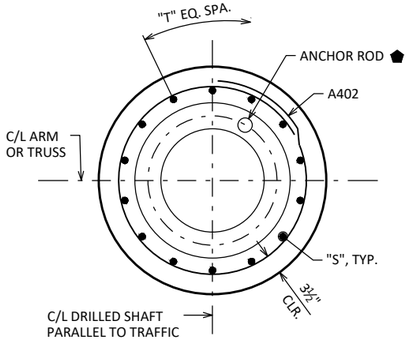
8

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

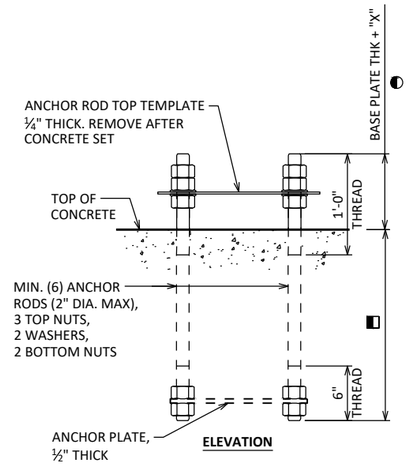
FOUNDATION DIMENSION DATA

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.



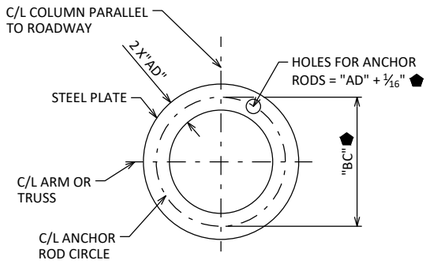
ANCHOR ROD ASSEMBLY DETAILS

◧ 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.

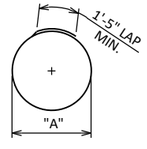
ANCHOR DIAMETER "AD"	MAX. STICK OUT ◐
	"X"
1"	5"
1¼"	6"
1½"	7"
1¾"	8"
2"	9"

◐ 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
349

SCALE = 3.0

8

8

EARTHWORK DETAIL - STH 21 EB WEST OF RAB

STATION	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
	CUT	SALVAGED/ UNUSABLE MATERIAL	FILL	CUT	SALVAGED/ UNUSABLE MATERIAL	FILL	CUT	EXPANDED FILL	MASS ORDINATE
							1.00	1.25	
				NOTE 1	NOTE 2				NOTE 4
317+46	0.00	22.53	0.00	0	0	0	0	0	0
317+59	131.23	22.58	0.00	33	11	0	33	0	22
318+00	137.60	22.50	0.00	203	34	0	236	0	191
318+30	136.36	22.51	0.00	155	25	0	391	0	321
318+50	142.34	22.54	0.00	101	16	0	492	0	406
318+62	131.20	22.56	0.00	62	10	0	554	0	458
319+00	123.39	22.59	5.50	178	32	4	732	5	599
319+50	120.09	22.43	6.22	225	42	11	957	19	768
320+00	123.67	22.42	3.64	226	42	9	1,183	30	941
320+30	124.22	22.46	3.02	137	25	4	1,320	35	1,048
320+50	166.46	22.49	0.23	109	17	1	1,429	36	1,139
321+00	137.43	22.68	3.40	281	42	3	1,710	40	1,374
321+50	152.22	22.63	2.60	268	42	6	1,978	48	1,593
322+00	173.30	22.67	0.52	301	42	3	2,279	51	1,848
322+50	192.58	22.76	0.20	339	42	1	2,618	53	2,144
323+00	218.69	22.63	0.36	381	42	1	2,999	54	2,481
323+50	249.95	23.08	1.09	434	42	1	3,433	55	2,872
323+69	225.52	22.93	1.27	171	17	1	3,604	56	3,025
324+00	249.96	22.68	1.27	269	26	1	3,873	58	3,267
324+20	186.34	18.19	11.89	164	15	5	4,037	64	3,409
324+50	221.31	18.23	0.72	224	20	7	4,261	73	3,605
325+00	245.28	19.23	0.00	432	35	1	4,693	74	4,000
325+50	321.07	21.22	0.63	524	37	1	5,217	75	4,486
326+00	175.64	0.00	0.00	460	20	1	5,677	76	4,925
326+50	174.39	0.00	0.00	324	0	0	6,001	76	5,249
327+00	64.56	0.00	0.00	221	0	0	6,222	76	5,470
327+50	69.36	0.00	0.00	124	0	0	6,346	76	5,594
328+00	60.89	0.00	1.43	121	0	1	6,467	78	5,714
328+50	64.94	0.00	12.74	117	0	13	6,584	94	5,814
329+00	38.73	0.00	28.36	96	0	38	6,680	141	5,863
329+50	42.92	0.00	33.30	76	0	57	6,756	213	5,868
330+00	52.07	0.00	32.62	88	0	61	6,844	289	5,879
330+50	47.09	0.00	29.23	92	0	57	6,936	360	5,900
331+00	47.21	0.00	27.95	87	0	53	7,023	426	5,921
331+50	50.65	0.00	25.42	91	0	49	7,114	488	5,951
332+00	17.68	0.00	71.93	63	0	90	7,177	600	5,901
332+50	11.68	0.00	116.79	27	0	175	7,204	819	5,709
332+75	13.48	1.30	153.90	12	1	125	7,216	975	5,564
333+00	14.09	9.52	218.98	13	5	173	7,229	1,191	5,356

NOTES
1. CUT AREA INCLUDES SALVAGED / UNUSABLE MATERIAL
2. SALVAGED / UNUSABLE MATERIAL DOES NOT APPEAR IN CROSS SECTIONS
3. AVAILABLE MATERIAL = CUT – SALVAGED/UNUSABLE MATERIAL
4. MASS ORDINATE = AVAILABLE MATERIAL – EXPANDED FILL

EARTHWORK DETAIL - STH 21 WB WEST OF RAB

STATION	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
	CUT	SALVAGED/ UNUSABLE MATERIAL	FILL	CUT	SALVAGED/ UNUSABLE MATERIAL	FILL	CUT	EXPANDED FILL	MASS ORDINATE
							1.00	1.25	
				NOTE 1	NOTE 2				NOTE 4
725+50	164.78	21.16	0.62	0	0	0	0	0	0
726+00	216.40	23.66	2.90	353	41	3	353	4	308
726+50	279.87	26.70	0.18	460	47	3	813	8	718
727+00	306.11	30.27	0.00	543	53	0	1,356	8	1,208
727+50	264.73	34.14	0.00	529	60	0	1,885	8	1,677
727+61	144.87	35.00	1.88	82	14	0	1,967	8	1,745
728+00	425.30	38.00	0.00	414	53	1	2,381	9	2,104
728+50	441.14	33.90	0.00	802	67	0	3,183	9	2,839
729+00	464.78	34.46	0.00	839	63	0	4,022	9	3,615
729+50	507.44	31.28	0.00	900	61	0	4,922	9	4,454
730+00	548.15	31.42	0.00	977	58	0	5,899	9	5,373
730+50	542.78	32.38	0.00	1010	59	0	6,909	9	6,324
731+00	553.20	32.91	0.00	1015	60	0	7,924	9	7,279
731+50	496.17	33.44	1.23	972	61	1	8,896	10	8,189
732+00	431.83	40.53	1.92	859	68	3	9,755	14	8,976
732+50	380.76	52.30	4.39	752	86	6	10,507	21	9,635
733+00	281.15	50.84	13.19	612	95	16	11,119	41	10,132

EARTHWORK DETAIL - ROUNDABOUT

STATION	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
	CUT	SALVAGED/ UNUSABLE MATERIAL	FILL	CUT	SALVAGED/ UNUSABLE MATERIAL	FILL	CUT	EXPANDED FILL	MASS ORDINATE
							1.00	1.25	
				NOTE 1	NOTE 2				NOTE 4
20+00	111.79	63.39	386.04	0	0	0	0	0	0
20+25	0.50	0.00	377.84	52	29	354	52	443	-420
20+75	2.92	0.00	729.10	3	0	1025	55	1,724	-1,698
21+25	0.00	0.00	559.14	3	0	1193	58	3,215	-3,186
21+60	0.00	0.00	647.72	0	0	782	58	4,193	-4,164
21+85	0.19	0.00	417.21	0	0	493	58	4,809	-4,780
21+85	0.00	0.00	429.60	0	0	0	58	4,809	-4,780
22+00	0.00	0.00	679.70	0	0	308	58	5,194	-5,165
22+25	0.00	0.00	531.70	0	0	561	58	5,895	-5,866
22+75	119.19	88.54	302.35	110	82	772	168	6,860	-6,803
23+00	62.64	46.74	45.80	84	63	161	252	7,061	-6,983
23+00	40.28	40.28	347.16	0	0	0	252	7,061	-6,983
23+40	149.91	70.32	307.28	141	82	485	393	7,668	-7,531
23+70	160.67	75.31	300.65	173	81	338	566	8,090	-7,861
23+75	228.91	55.99	12.40	36	12	29	602	8,126	-7,873
24+12	111.81	63.40	386.05	236	83	276	838	8,471	-8,065

NOTES

1. CUT AREA INCLUDES SALVAGED / UNUSABLE MATERIAL
2. SALVAGED / UNUSABLE MATERIAL DOES NOT APPEAR IN CROSS SECTIONS
3. AVAILABLE MATERIAL = CUT – SALVAGED/UNUSABLE MATERIAL
4. MASS ORDINATE = AVAILABLE MATERIAL – EXPANDED FILL

EARTHWORK DETAIL - STH 21 EB EAST OF RAB

STATION	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
	CUT	SALVAGED/ UNUSABLE MATERIAL	FILL	CUT	SALVAGED/ UNUSABLE MATERIAL	FILL	CUT	EXPANDED FILL	MASS ORDINATE
							1.00	1.25	
				NOTE 1	NOTE 2				NOTE 4
335+25	0.29	0.00	339.40	0	0	0	0	0	0
335+50	0.77	0.00	269.74	0	0	282	0	353	-353
336+00	0.31	0.00	183.37	1	0	420	1	878	-877
336+50	3.56	3.25	121.75	4	3	283	5	1,231	-1,229
337+00	12.22	10.34	84.56	15	13	191	20	1,470	-1,466
337+50	29.78	17.32	66.36	39	26	140	59	1,645	-1,628
338+00	52.13	17.97	54.82	76	33	112	135	1,785	-1,725
338+50	72.53	18.20	47.11	115	33	94	250	1,903	-1,761
339+00	86.16	18.19	41.68	147	34	82	397	2,005	-1,750
339+50	100.93	18.01	33.78	173	34	70	570	2,093	-1,699
340+00	116.42	18.12	4.12	201	33	35	771	2,136	-1,574
340+18	119.18	18.00	3.68	79	12	3	850	2,140	-1,511

EARTHWORK DETAIL - STH 21 WB EAST OF RAB

STATION	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
	CUT	SALVAGED/ UNUSABLE MATERIAL	FILL	CUT	SALVAGED/ UNUSABLE MATERIAL	FILL	CUT	EXPANDED FILL	MASS ORDINATE
							1.00	1.25	
				NOTE 1	NOTE 2				NOTE 4
735+25	113.67	49.30	142.48	0	0	0	0	0	0
735+50	114.75	45.60	112.61	106	44	118	106	148	-86
736+00	165.44	47.87	88.24	259	87	186	365	380	-146
736+50	166.01	43.97	26.64	307	85	106	672	513	-57
737+00	169.60	27.05	9.32	311	66	33	983	554	147
737+50	170.53	19.98	12.75	315	44	20	1,298	579	393
738+00	186.58	18.42	4.33	331	36	16	1,629	599	668
738+50	195.25	18.39	10.03	354	34	13	1,983	615	972
739+00	176.07	18.37	12.07	344	34	20	2,327	640	1,257
739+50	149.87	18.17	7.07	302	34	18	2,629	663	1,503
740+00	136.08	18.22	0.90	265	34	7	2,894	671	1,725
740+50	115.82	18.18	1.02	233	34	2	3,127	674	1,921
740+65	111.77	18.05	3.30	63	10	1	3,190	675	1,973

EARTHWORK DETAIL - OMRO RD

STATION	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
	CUT	SALVAGED/ UNUSABLE MATERIAL	FILL	CUT	SALVAGED/ UNUSABLE MATERIAL	FILL	CUT	EXPANDED FILL	MASS ORDINATE
							1.00	1.25	
				NOTE 1	NOTE 2				NOTE 4
10+50	68.25	0.00	17.76	0	0	0	0	0	0
10+75	35.45	0.00	14.58	48	0	15	48	19	29
11+00	53.87	0.00	3.47	41	0	8	89	29	60
11+40	66.23	0.00	0.01	89	0	3	178	33	146

NOTES
1. CUT AREA INCLUDES SALVAGED / UNUSABLE MATERIAL
2. SALVAGED / UNUSABLE MATERIAL DOES NOT APPEAR IN CROSS SECTIONS
3. AVAILABLE MATERIAL = CUT - SALVAGED/UNUSABLE MATERIAL
4. MASS ORDINATE = AVAILABLE MATERIAL - EXPANDED FILL

EARTHWORK DETAIL - LEONARD PT NB SOUTH OF RAB

STATION	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
	CUT	SALVAGED/ UNUSABLE MATERIAL	FILL	CUT	SALVAGED/ UNUSABLE MATERIAL	FILL	CUT	EXPANDED FILL	MASS ORDINATE
							1.00	1.25	
				NOTE 1	NOTE 2				NOTE 4
810+31	0.42	0.00	143.71	0	0	0	0	0	0
810+50	0.83	0.00	187.56	0	0	117	0	146	-146
810+75	0.65	0.00	242.05	1	0	199	1	395	-394
811+00	0.42	0.00	312.63	0	0	257	1	716	-715
811+25	0.24	0.00	335.99	0	0	300	1	1,091	-1,090
811+50	0.10	0.00	391.38	0	0	337	1	1,513	-1,512

EARTHWORK DETAIL - LEONARD PT SB SOUTH OF RAB

STATION	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
	CUT	SALVAGED/ UNUSABLE MATERIAL	FILL	CUT	SALVAGED/ UNUSABLE MATERIAL	FILL	CUT	EXPANDED FILL	MASS ORDINATE
							1.00	1.25	
				NOTE 1	NOTE 2				NOTE 4
910+31	9.73	0.00	44.06	0	0	0	0	0	0
910+75	14.52	0.00	81.34	20	0	103	20	129	-109
911+25	16.53	0.00	115.42	29	0	182	49	356	-307
911+50	17.39	0.00	135.33	16	0	116	65	501	-436

EARTHWORK DETAIL - LEONARD PT NB NORTH OF RAB

STATION	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
	CUT	SALVAGED/ UNUSABLE MATERIAL	FILL	CUT	SALVAGED/ UNUSABLE MATERIAL	FILL	CUT	EXPANDED FILL	MASS ORDINATE
							1.00	1.25	
				NOTE 1	NOTE 2				NOTE 4
814+00	121.76	0.00	147.69	0	0	0	0	0	0
814+50	73.00	0.00	6.78	180	0	143	180	179	1
815+00	129.66	0.00	23.49	188	0	28	368	214	154
815+16	122.12	0.00	11.02	75	0	10	443	226	217
815+50	83.70	0.00	16.88	130	0	18	573	249	324
816+00	55.44	0.00	39.22	129	0	52	702	314	388
816+28	90.40	0.00	33.91	75	0	37	777	360	417
816+50	63.50	0.00	44.17	64	0	32	841	400	441
816+50	0.00	0.00	0.00	0	0	0	841	400	441
817+00	56.46	0.00	11.34	52	0	10	893	413	481
817+10	75.20	0.00	0.47	24	0	2	917	415	502
817+29	53.16	0.00	0.01	44	0	0	961	415	546

EARTHWORK DETAIL - LEONARD PT SB NORTH OF RAB

STATION	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
	CUT	SALVAGED/ UNUSABLE MATERIAL	FILL	CUT	SALVAGED/ UNUSABLE MATERIAL	FILL	CUT	EXPANDED FILL	MASS ORDINATE
							1.00	1.25	
				NOTE 1	NOTE 2				NOTE 4
914+00	179.01	0.00	5.26	0	0	0	0	0	0
914+31	102.49	0.00	40.70	162	0	26	162	33	130
914+50	107.63	0.00	36.66	74	0	27	236	66	170

NOTES
1. CUT AREA INCLUDES SALVAGED / UNUSABLE MATERIAL
2. SALVAGED / UNUSABLE MATERIAL DOES NOT APPEAR IN CROSS SECTIONS
3. AVAILABLE MATERIAL = CUT – SALVAGED/UNUSABLE MATERIAL
4. MASS ORDINATE = AVAILABLE MATERIAL – EXPANDED FILL

EARTHWORK DETAIL - STH 21 EB BEAMGUARD STA 347+50 - 351+31

STATION	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
	CUT	SALVAGED/ UNUSABLE MATERIAL	FILL	CUT	SALVAGED/ UNUSABLE MATERIAL	FILL	CUT	EXPANDED FILL	MASS ORDINATE
							1.00	1.25	
				NOTE 1	NOTE 2				NOTE 4
347+50	0.00	0.00	0.00	0	0	0	0	0	0
348+00	0.00	0.00	0.01	0	0	0	0	0	0
348+50	0.00	0.00	8.44	0	0	8	0	10	-10
348+68	0.00	0.00	16.44	0	0	8	0	20	-20
348+92	0.00	0.00	10.22	0	0	12	0	35	-35
349+00	0.00	0.00	8.96	0	0	3	0	39	-39
349+17	12.45	0.00	0.38	4	0	3	4	43	-39
349+50	219.78	0.00	0.00	142	0	0	146	43	104
350+00	0.00	0.00	0.00	204	0	0	350	43	308
350+50	0.00	0.00	0.51	0	0	0	350	43	308
351+00	0.00	0.00	0.88	0	0	1	350	44	306
351+20	0.00	0.00	1.42	0	0	1	350	45	305
351+31	0.24	0.00	0.03	0	0	0	350	45	305

EARTHWORK DETAIL - STH 21 EB BEAMGUARD STA 357+26 - 362+05

STATION	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
	CUT	SALVAGED/ UNUSABLE MATERIAL	FILL	CUT	SALVAGED/ UNUSABLE MATERIAL	FILL	CUT	EXPANDED FILL	MASS ORDINATE
							1.00	1.25	
				NOTE 1	NOTE 2				NOTE 4
357+26	0.00	0.00	0.03	0	0	0	0	0	0
357+50	0.00	0.00	0.01	0	0	0	0	0	0
358+00	0.00	0.00	0.57	0	0	1	0	1	-1
358+43	0.00	0.00	5.80	0	0	5	0	8	-8
358+50	0.00	0.00	6.55	0	0	2	0	10	-10
358+67	0.00	0.00	4.28	0	0	4	0	15	-15
358+92	0.00	0.00	1.14	0	0	2	0	18	-18
359+00	0.00	0.00	0.45	0	0	0	0	18	-18
359+50	0.00	0.00	0.64	0	0	1	0	19	-19
360+00	0.00	0.00	1.23	0	0	2	0	21	-21
360+50	0.00	0.00	3.35	0	0	4	0	26	-26
361+00	0.00	0.00	1.19	0	0	4	0	31	-31
361+50	0.00	0.00	0.59	0	0	2	0	34	-34
362+00	0.00	0.00	0.13	0	0	1	0	35	-35
362+05	0.00	0.00	0.15	0	0	0	0	35	-35

NOTES
1. CUT AREA INCLUDES SALVAGED / UNUSABLE MATERIAL
2. SALVAGED / UNUSABLE MATERIAL DOES NOT APPEAR IN CROSS SECTIONS
3. AVAILABLE MATERIAL = CUT – SALVAGED/UNUSABLE MATERIAL
4. MASS ORDINATE = AVAILABLE MATERIAL – EXPANDED FILL

EARTHWORK DETAIL - STH 21 WB BEAMGUARD STA 751+25 - 756+15

STATION	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
	CUT	SALVAGED/ UNUSABLE MATERIAL	FILL	CUT	SALVAGED/ UNUSABLE MATERIAL	FILL	CUT	EXPANDED FILL	MASS ORDINATE
							1.00	1.25	
				NOTE 1	NOTE 2				NOTE 4
751+25	0.00	0.00	0.37	0	0	0	0	0	0
751+50	0.00	0.00	0.02	0	0	0	0	0	0
752+00	0.00	0.00	6.74	0	0	6	0	8	-8
752+25	0.00	0.00	0.89	0	0	4	0	13	-13
752+50	0.00	0.00	2.27	0	0	1	0	14	-14
753+00	0.00	0.00	0.01	0	0	2	0	16	-16
753+50	0.00	0.00	0.01	0	0	0	0	16	-16
754+00	0.00	0.00	7.29	0	0	7	0	25	-25
754+47	0.00	0.00	8.56	0	0	14	0	43	-43
754+72	0.00	0.00	13.06	0	0	10	0	55	-55
754+98	0.00	0.00	21.75	0	0	16	0	75	-75
755+50	0.00	0.00	15.31	0	0	36	0	120	-120
755+68	0.00	0.00	13.35	0	0	9	0	131	-131
756+00	0.00	0.00	5.77	0	0	11	0	145	-145
756+15	0.00	0.00	0.66	0	0	2	0	148	-148

EARTHWORK DETAIL - STH 21 WB BEAMGUARD STA 760+78 - 765+65

STATION	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
	CUT	SALVAGED/ UNUSABLE MATERIAL	FILL	CUT	SALVAGED/ UNUSABLE MATERIAL	FILL	CUT	EXPANDED FILL	MASS ORDINATE
							1.00	1.25	
				NOTE 1	NOTE 2				NOTE 4
760+78	0.00	0.00	0.12	0	0	0	0	0	0
761+00	0.00	0.00	0.16	0	0	0	0	0	0
761+25	0.00	0.00	6.50	0	0	3	0	4	-4
761+50	0.00	0.00	1.37	0	0	4	0	9	-9
761+75	0.00	0.00	0.82	0	0	1	0	10	-10
762+00	0.00	0.00	1.16	0	0	1	0	11	-11
762+50	0.00	0.00	0.38	0	0	1	0	13	-13
763+00	0.00	0.00	0.12	0	0	0	0	13	-13
763+50	0.07	0.00	0.00	0	0	0	0	13	-13
763+97	0.00	0.00	0.07	0	0	0	0	13	-13
764+22	0.00	0.00	4.40	0	0	2	0	15	-15
764+47	0.00	0.00	9.48	0	0	6	0	23	-23
765+00	0.00	0.00	11.28	0	0	20	0	48	-48
765+17	0.00	0.00	8.92	0	0	6	0	55	-55
765+50	0.00	0.00	2.30	0	0	7	0	64	-64
765+65	0.00	0.00	0.29	0	0	1	0	65	-65

NOTES
1. CUT AREA INCLUDES SALVAGED / UNUSABLE MATERIAL
2. SALVAGED / UNUSABLE MATERIAL DOES NOT APPEAR IN CROSS SECTIONS
3. AVAILABLE MATERIAL = CUT – SALVAGED/UNUSABLE MATERIAL
4. MASS ORDINATE = AVAILABLE MATERIAL – EXPANDED FILL

EARTHWORK DETAIL - STH 21 EB AT OAKWOOD

STATION	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
	CUT	SALVAGED/ UNUSABLE MATERIAL	FILL	CUT	SALVAGED/ UNUSABLE MATERIAL	FILL	CUT	EXPANDED FILL	MASS ORDINATE
							1.00	1.25	
				NOTE 1	NOTE 2				NOTE 4
386+39	19.13	0.00	3.26	0	0	0	0	0	0
386+50	18.92	0.00	3.64	8	0	1	8	1	7
386+75	18.15	0.00	3.70	17	0	3	25	5	20
387+00	20.75	0.00	4.17	18	0	4	43	10	33
387+25	38.13	0.00	30.87	27	0	16	70	30	40
387+50	41.86	0.00	30.19	37	0	28	107	65	42
387+75	42.95	0.00	24.02	39	0	25	146	96	50
388+00	46.10	0.00	16.79	41	0	19	187	120	67
388+25	51.73	2.86	3.03	45	1	9	232	131	100
388+50	59.69	4.10	0.39	52	3	2	284	134	146
388+75	66.33	7.28	0.00	58	5	0	342	134	199
389+00	77.05	8.48	0.00	66	7	0	408	134	258
389+25	76.78	9.37	0.00	71	8	0	479	134	321
389+50	78.21	9.45	0.00	72	9	0	551	134	384
389+75	79.09	9.46	0.00	73	9	0	624	134	448
390+00	76.35	12.69	0.00	72	10	0	696	134	510
390+25	73.21	16.28	0.00	69	13	0	765	134	566
390+46	58.15	25.05	0.00	50	16	0	815	134	600

EARTHWORK DETAIL - STH 21 WB AT OAKWOOD

STATION	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
	CUT	SALVAGED/ UNUSABLE MATERIAL	FILL	CUT	SALVAGED/ UNUSABLE MATERIAL	FILL	CUT	EXPANDED FILL	MASS ORDINATE
							1.00	1.25	
				NOTE 1	NOTE 2				NOTE 4
791+22	65.52	0.00	0.00	0	0	0	0	0	0
791+50	74.41	20.00	0.00	73	10	0	73	0	63
791+75	78.54	12.00	0.00	71	15	0	144	0	119
792+00	75.33	10.00	0.08	71	10	0	215	0	180
792+25	70.95	9.00	0.11	68	9	0	283	0	239
792+50	77.01	4.00	0.15	69	6	0	352	0	302
792+75	68.51	0.00	0.23	67	2	0	419	0	367
793+00	74.96	0.00	0.00	66	0	0	485	0	433
793+25	49.36	0.00	0.81	58	0	0	543	0	491
793+50	46.11	0.00	1.30	44	0	1	587	1	534
793+75	38.61	0.00	2.96	39	0	2	626	4	570
794+00	31.49	0.00	2.91	32	0	3	658	8	599
794+25	33.45	0.00	0.32	30	0	1	688	9	627
794+50	28.29	0.00	0.85	29	0	1	717	10	655
794+75	24.46	0.00	1.85	24	0	1	741	11	678
795+00	23.00	0.00	2.88	22	0	2	763	14	697
795+15	23.43	0.00	1.04	13	0	1	776	15	709

NOTES
1. CUT AREA INCLUDES SALVAGED / UNUSABLE MATERIAL
2. SALVAGED / UNUSABLE MATERIAL DOES NOT APPEAR IN CROSS SECTIONS
3. AVAILABLE MATERIAL = CUT – SALVAGED/UNUSABLE MATERIAL
4. MASS ORDINATE = AVAILABLE MATERIAL – EXPANDED FILL

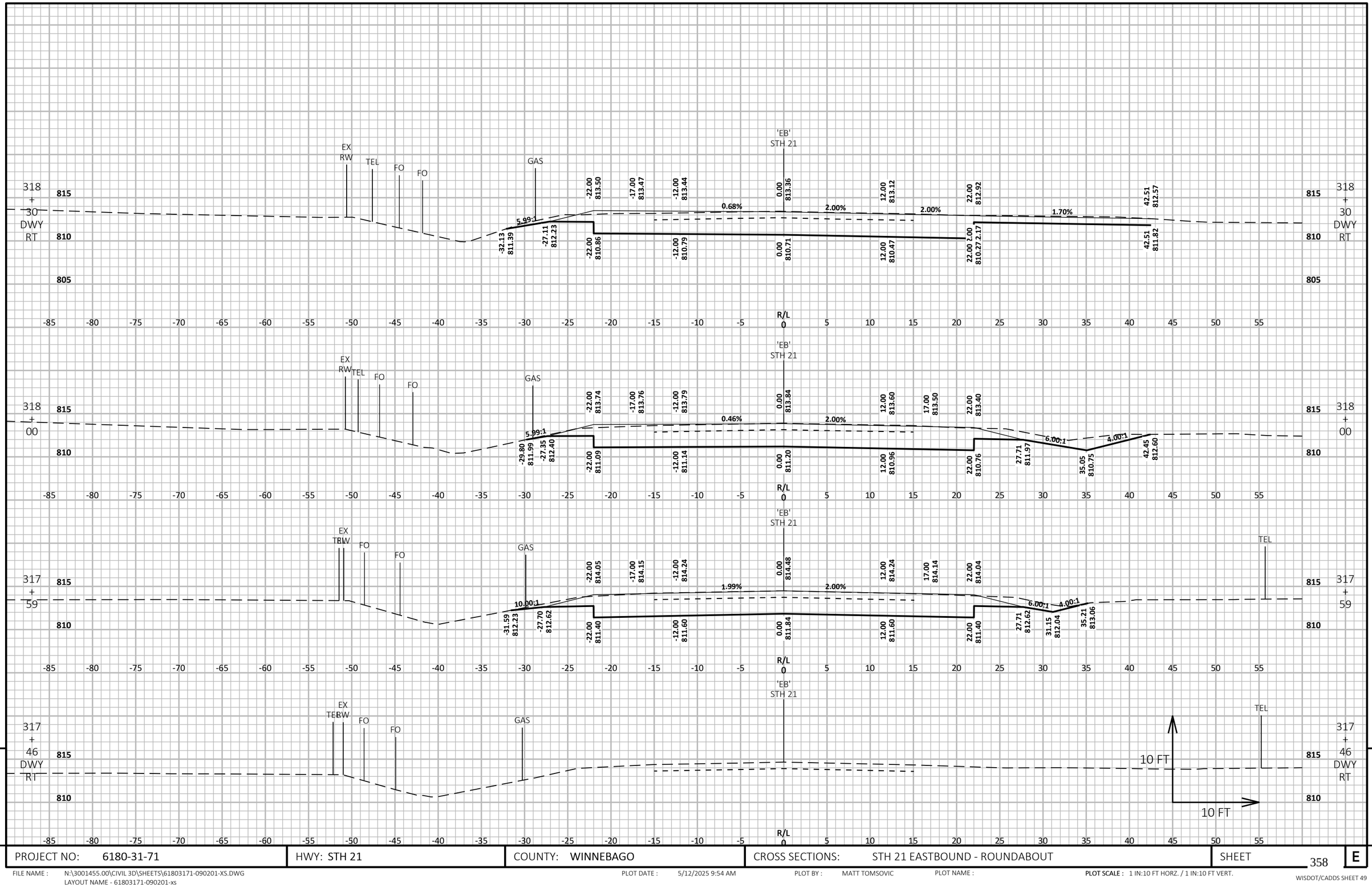
EARTHWORK DETAIL - STH 21 EB AT WESTHAVEN

STATION	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
	CUT	SALVAGED/ UNUSABLE MATERIAL	FILL	CUT	SALVAGED/ UNUSABLE MATERIAL	FILL	CUT	EXPANDED FILL	MASS ORDINATE
							1.00	1.25	
				NOTE 1	NOTE 2				NOTE 4
412+22	24.66	0.00	1.96	0	0	0	0	0	0
412+25	19.95	0.00	0.75	2	0	0	2	0	2
412+50	19.76	0.00	1.92	18	0	1	20	1	19
412+75	21.49	0.00	3.27	19	0	2	39	4	35
413+00	31.73	0.00	5.48	25	0	4	64	9	55
413+25	42.29	0.00	16.07	34	0	10	98	21	77
413+50	44.30	0.00	14.24	40	0	14	138	39	99
413+75	45.80	0.00	13.82	42	0	13	180	55	125
414+00	49.06	0.00	5.83	44	0	9	224	66	158
414+25	53.75	2.00	1.88	48	1	4	272	71	200
414+50	64.89	5.00	0.00	55	3	1	327	73	251
414+75	71.65	9.00	0.00	63	6	0	390	73	308
415+00	73.77	13.00	0.00	67	10	0	457	73	365
415+25	80.19	14.00	0.00	71	13	0	528	73	423
415+50	79.90	15.00	0.00	74	13	0	602	73	484
415+75	80.38	15.00	0.00	74	14	0	676	73	544
416+00	78.41	15.00	0.00	74	14	0	750	73	604
416+24	64.22	13.00	0.00	62	12	0	812	73	654

EARTHWORK DETAIL - STH 21 WB AT WESTHAVEN

STATION	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
	CUT	SALVAGED/ UNUSABLE MATERIAL	FILL	CUT	SALVAGED/ UNUSABLE MATERIAL	FILL	CUT	EXPANDED FILL	MASS ORDINATE
							1.00	1.25	
				NOTE 1	NOTE 2				NOTE 4
817+19	75.31	0.00	0.00	0	0	0	0	0	0
817+25	69.97	4.00	0.00	17	0	0	17	0	17
817+50	66.57	15.00	0.00	63	9	0	80	0	71
817+75	68.05	12.00	0.00	62	13	0	142	0	120
818+00	66.66	10.00	0.00	62	10	0	204	0	172
818+25	67.78	10.00	0.00	62	9	0	266	0	225
818+50	66.28	10.00	0.00	62	9	0	328	0	278
818+75	63.51	10.00	0.00	60	9	0	388	0	329
819+00	61.19	10.00	0.18	58	9	0	446	0	378
819+25	46.37	10.00	1.23	50	9	1	496	1	418
819+50	41.45	10.00	0.72	41	9	1	537	3	449
819+75	39.51	10.00	0.72	37	9	1	574	4	475
820+00	37.58	10.00	0.53	36	9	1	610	5	501
820+25	35.67	10.00	0.49	34	9	0	644	5	526
820+50	33.76	10.00	0.47	32	9	0	676	5	549
820+75	32.46	10.00	0.35	31	9	0	707	5	571
821+00	31.60	10.00	0.36	30	9	0	737	5	592
821+25	31.20	10.00	0.43	29	9	0	766	5	612
821+50	-7.23	8.00	0.00	11	8	0	777	5	615
821+75	-5.37	6.00	0.00	-6	6	0	771	5	603
822+00	-3.54	5.00	0.00	-4	5	0	767	5	594
822+25	-2.57	3.00	0.00	-3	4	0	764	5	587
822+50	0.01	1.00	0.55	-1	2	0	763	5	584
822+75	0.01	0.00	0.54	0	0	1	763	6	583
822+78	0.01	0.00	0.54	0	0	0	763	6	583

NOTES
1. CUT AREA INCLUDES SALVAGED / UNUSABLE MATERIAL
2. SALVAGED / UNUSABLE MATERIAL DOES NOT APPEAR IN CROSS SECTIONS
3. AVAILABLE MATERIAL = CUT – SALVAGED/UNUSABLE MATERIAL
4. MASS ORDINATE = AVAILABLE MATERIAL – EXPANDED FILL

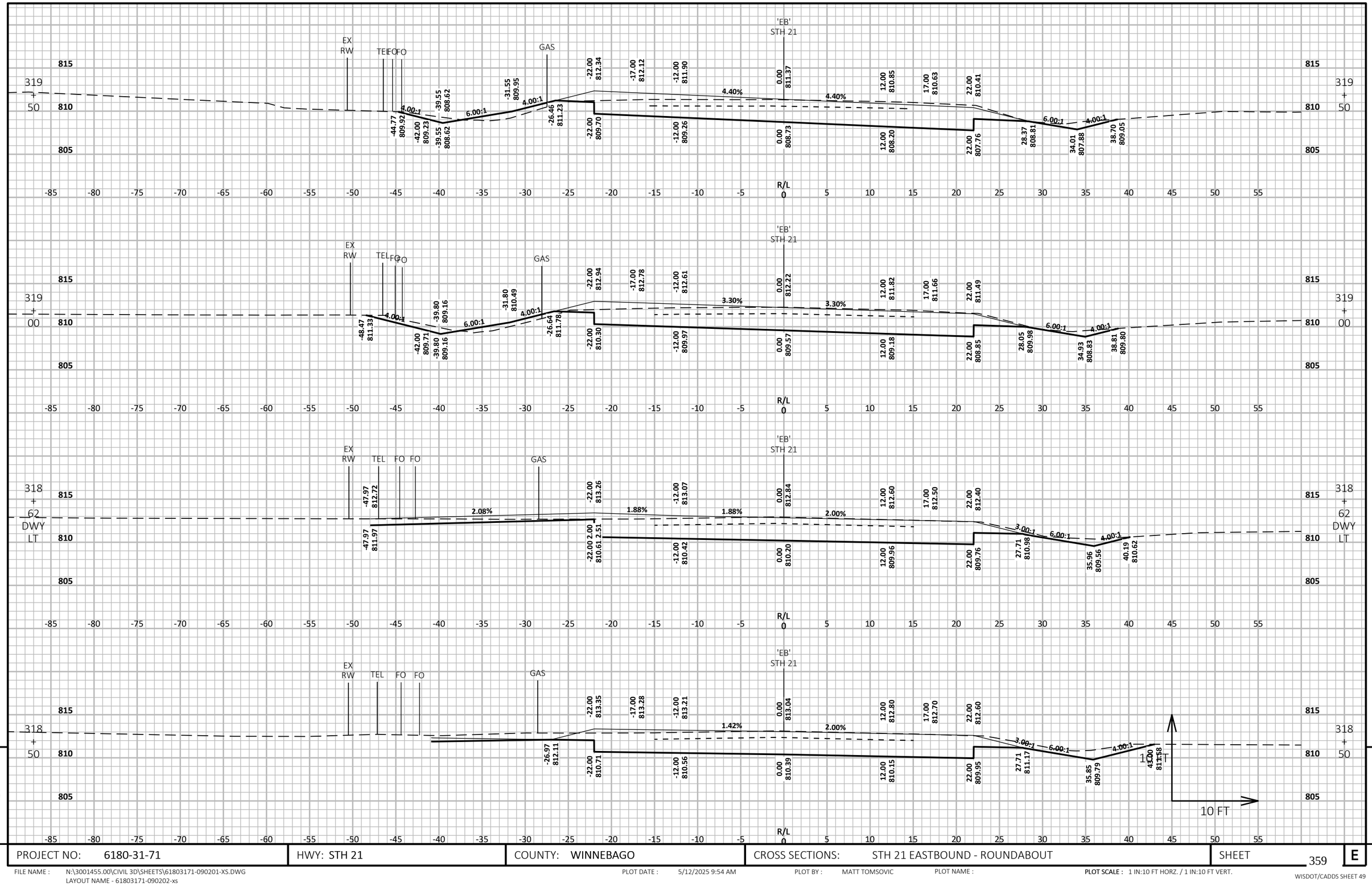


PROJECT NO: 6180-31-71	HWY: STH 21	COUNTY: WINNEBAGO	CROSS SECTIONS: STH 21 EASTBOUND - ROUNDABOUT	SHEET 358 E

FILE NAME : N:\3001455.00\CIVIL 3D\SHEETS\61803171-090201-XS.DWG
LAYOUT NAME - 61803171-090201-xs

PLOT DATE : 5/12/2025 9:54 AM PLOT BY : MATT TOMSOVIC PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



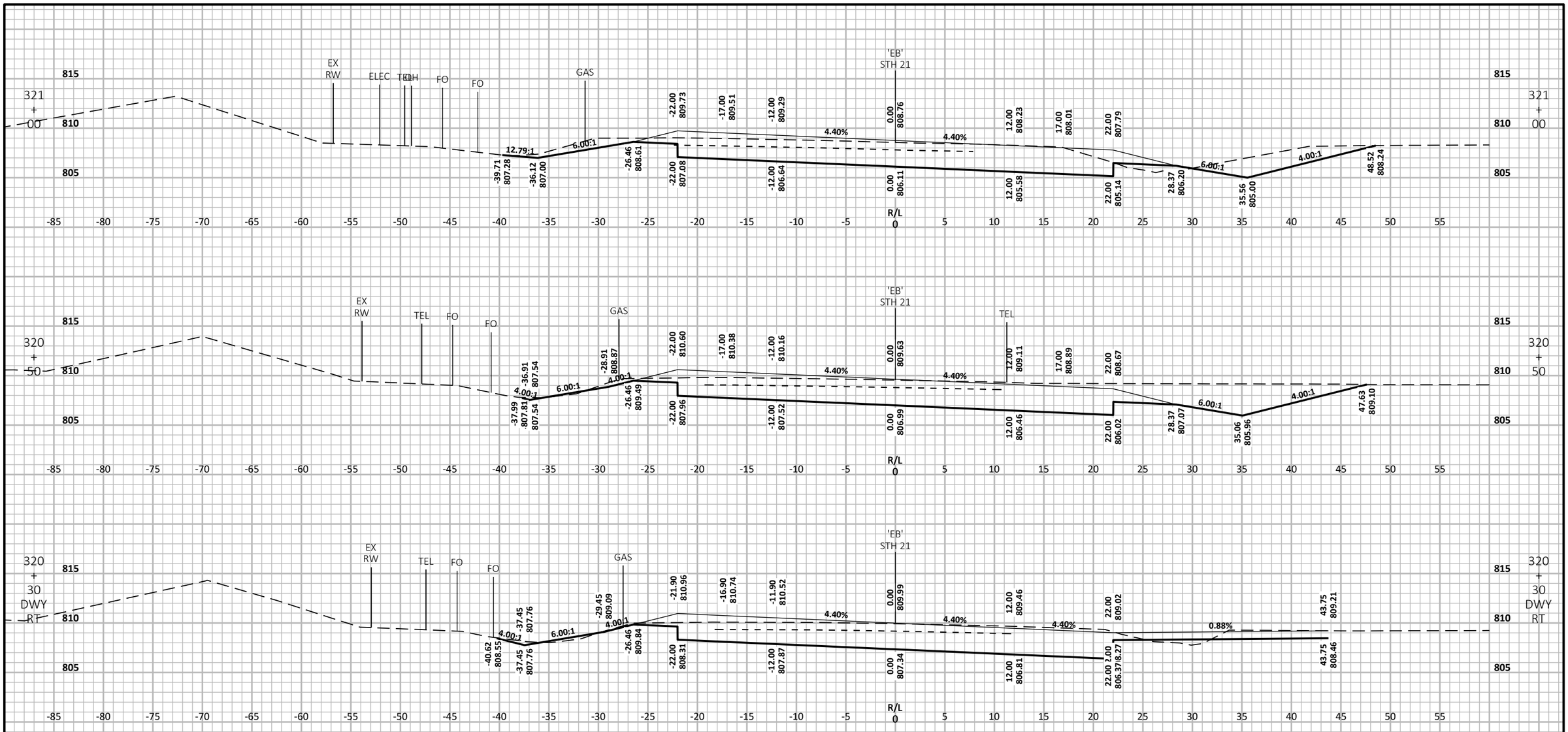
9

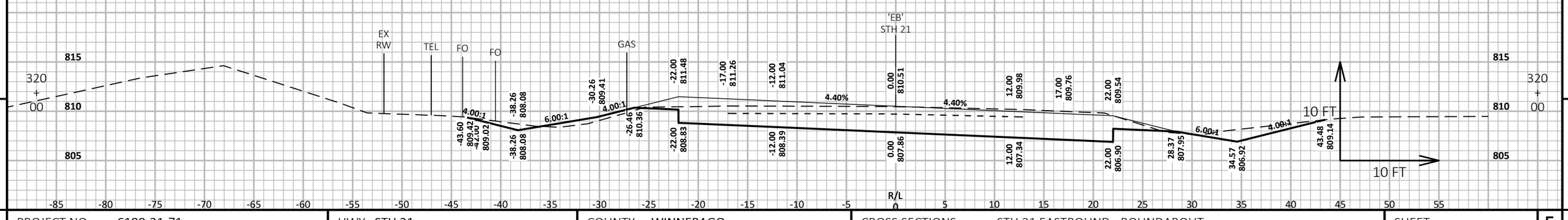
PROJECT NO: 6180-31-71	HWY: STH 21	COUNTY: WINNEBAGO	CROSS SECTIONS: STH 21 EASTBOUND - ROUNDABOUT	SHEET 359	E

FILE NAME : N:\3001455.00\CIVIL 3D\SHEETS\61803171-090201-XS.DWG
LAYOUT NAME - 61803171-090202-xs

PLOT DATE : 5/12/2025 9:54 AM PLOT BY : MATT TOMSOVIC PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49





9

9

PROJECT NO: 6180-31-71	HWY: STH 21	COUNTY: WINNEBAGO	CROSS SECTIONS: STH 21 EASTBOUND - ROUNDABOUT	SHEET 360	E

FILE NAME : N:\3001455.00\CIVIL 3D\SHEETS\61803171-090201-XS.DWG
LAYOUT NAME - 61803171-090203-xs

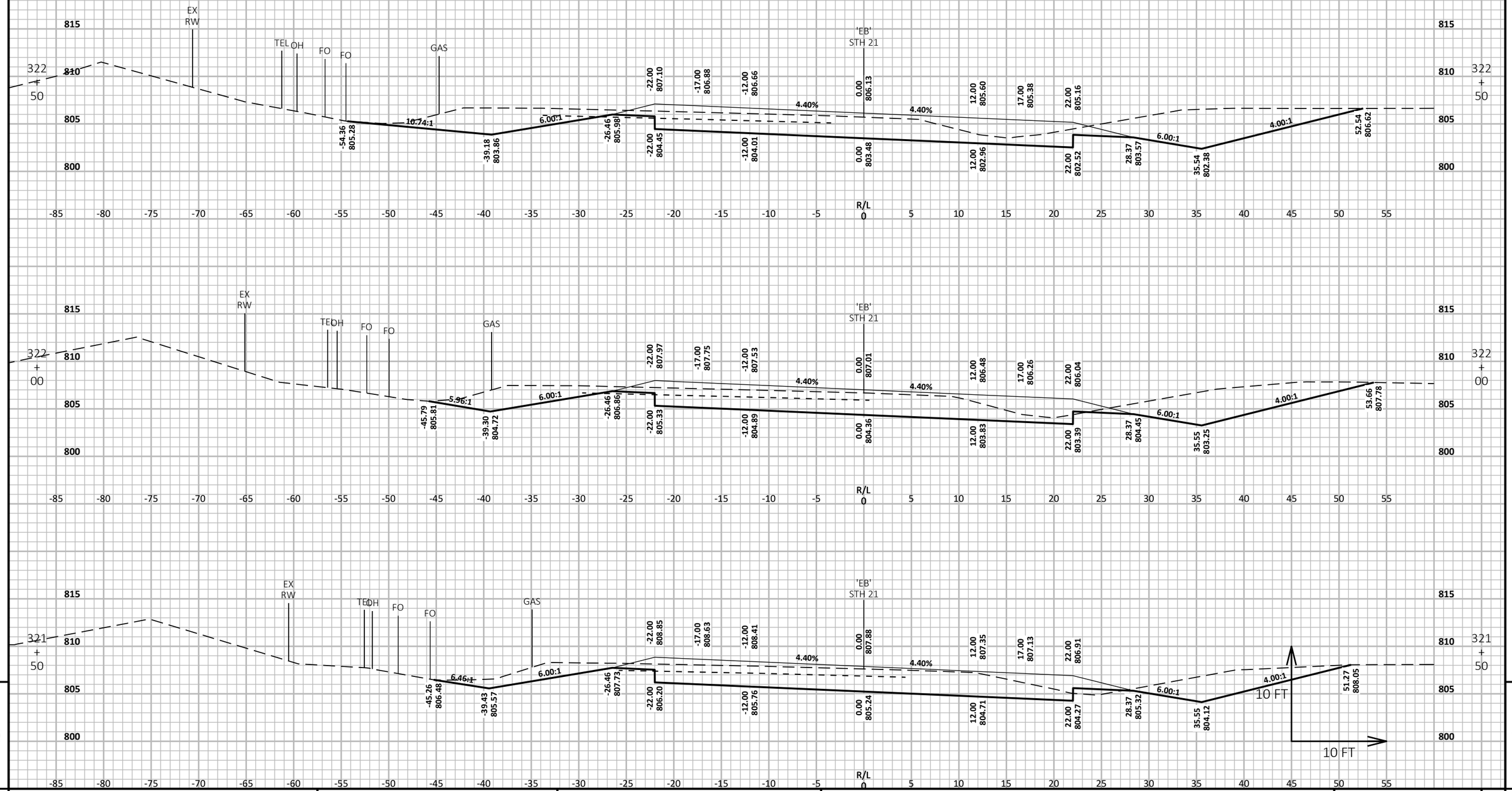
PLOT DATE : 5/12/2025 9:54 AM

PLOT BY : MATT TOMSOVIC

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

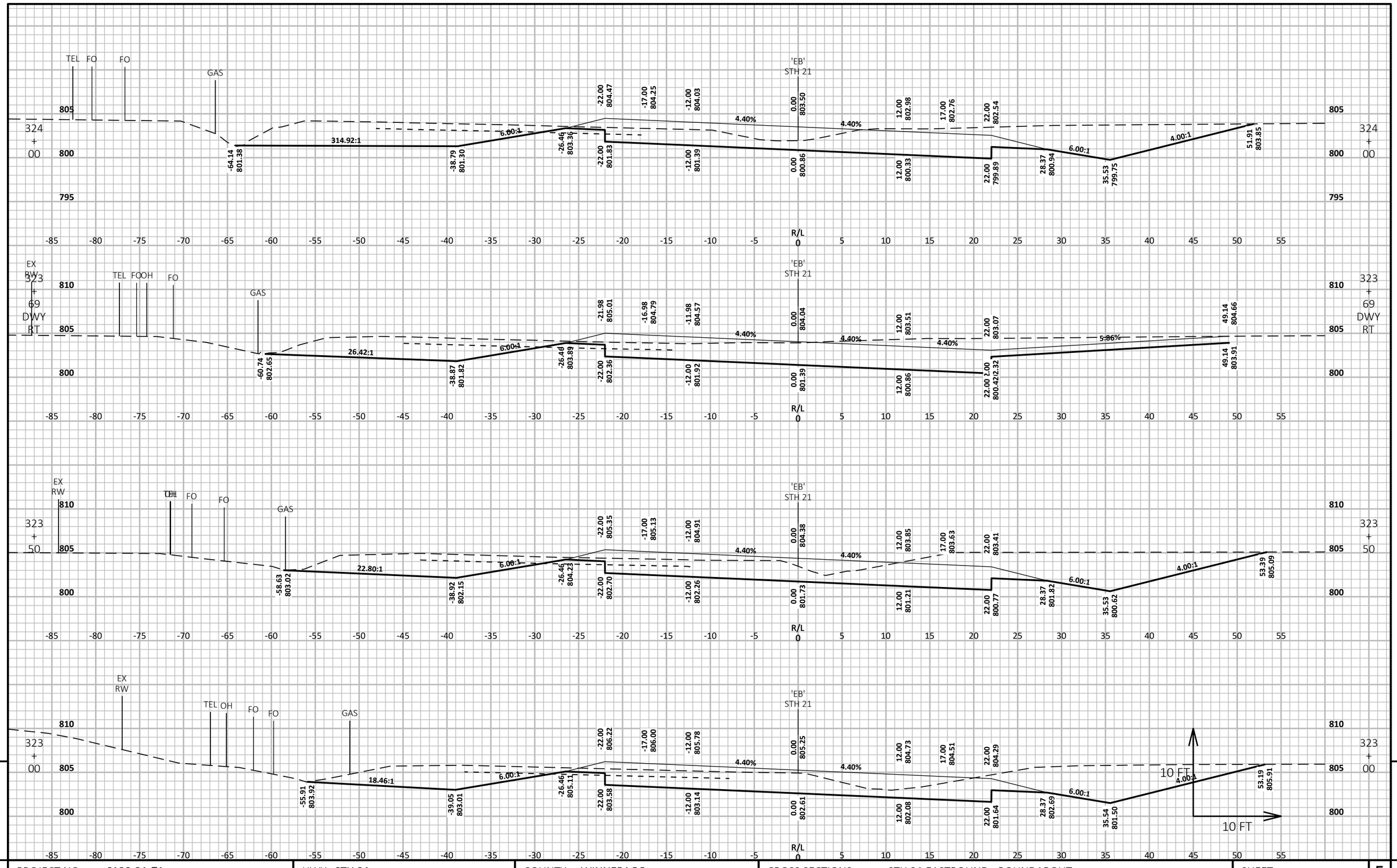


PROJECT NO: 6180-31-71	HWY: STH 21	COUNTY: WINNEBAGO	CROSS SECTIONS: STH 21 EASTBOUND - ROUNDABOUT	SHEET 361	E

FILE NAME : N:\3001455.00\CIVIL 3D\SHEETS\61803171-090201-XS.DWG
LAYOUT NAME - 61803171-090204-xs

PLOT DATE : 5/12/2025 9:54 AM PLOT BY : MATT TOMSOVIC PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



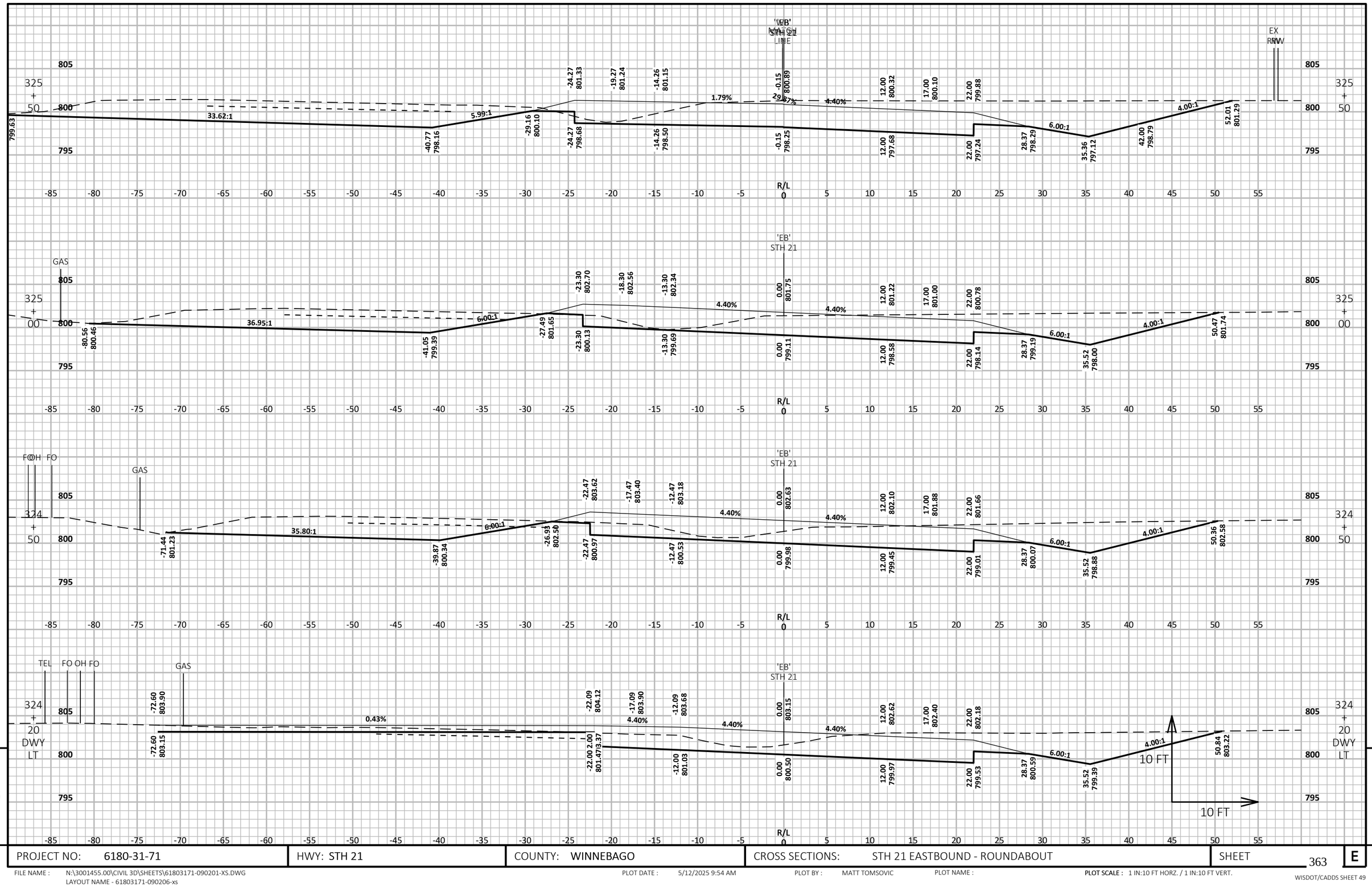
9

PROJECT NO: 6180-31-71	HWY: STH 21	COUNTY: WINNEBAGO	CROSS SECTIONS: STH 21 EASTBOUND - ROUNDABOUT	SHEET 362	E

FILE NAME : N:\3001455.00\CIVIL 3D\SHEETS\61803171-090201-XS.DWG
LAYOUT NAME - 61803171-090205-xs

PLOT DATE : 5/12/2025 9:54 AM PLOT BY : MATT TOMSOVIC PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

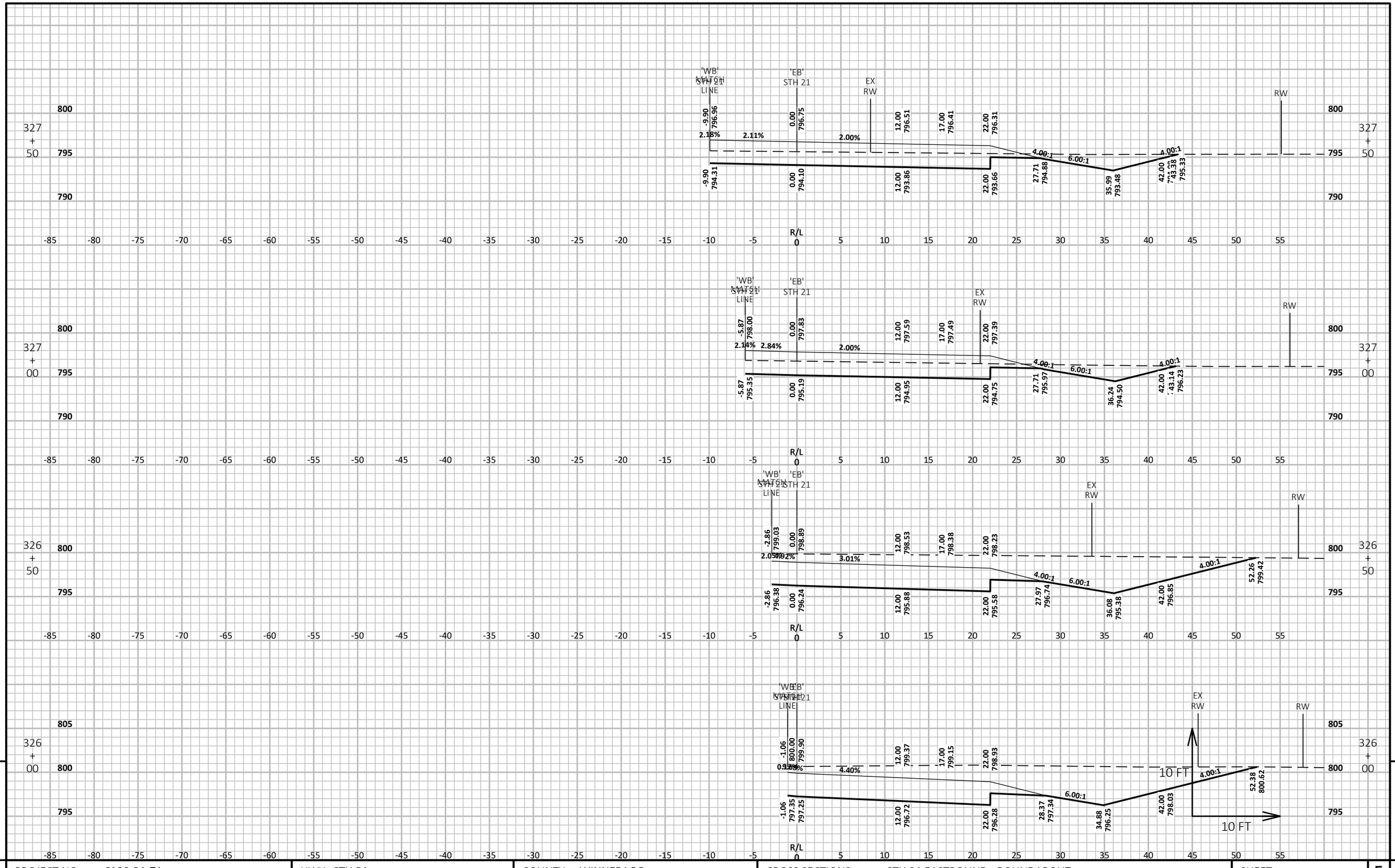


PROJECT NO: 6180-31-71	HWY: STH 21	COUNTY: WINNEBAGO	CROSS SECTIONS: STH 21 EASTBOUND - ROUNDABOUT	SHEET 363	E

FILE NAME : N:\3001455.00\CIVIL 3D\SHEETS\61803171-090201-XS.DWG
LAYOUT NAME - 61803171-090206-xs

PLOT DATE : 5/12/2025 9:54 AM PLOT BY : MATT TOMSOVIC PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 6180-31-71	HWY: STH 21	COUNTY: WINNEBAGO	CROSS SECTIONS: STH 21 EASTBOUND - ROUNDABOUT	SHEET 364	E

FILE NAME : N:\3001455.00\CIVIL 3D\SHEETS\61803171-090201-XS.DWG
LAYOUT NAME - 61803171-090207-xs

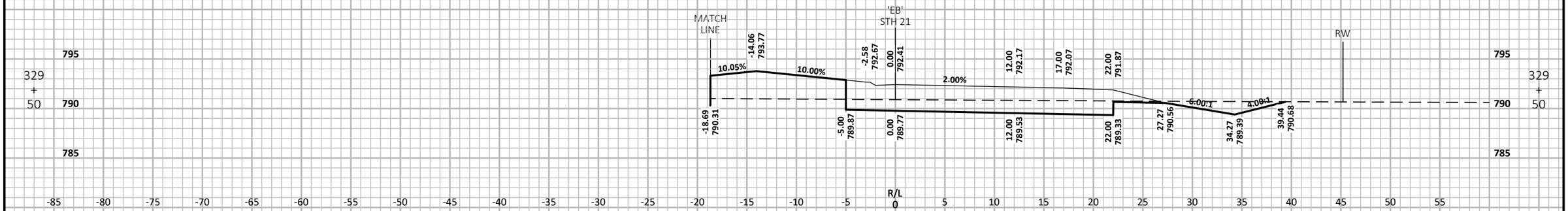
PLOT DATE : 5/12/2025 9:54 AM

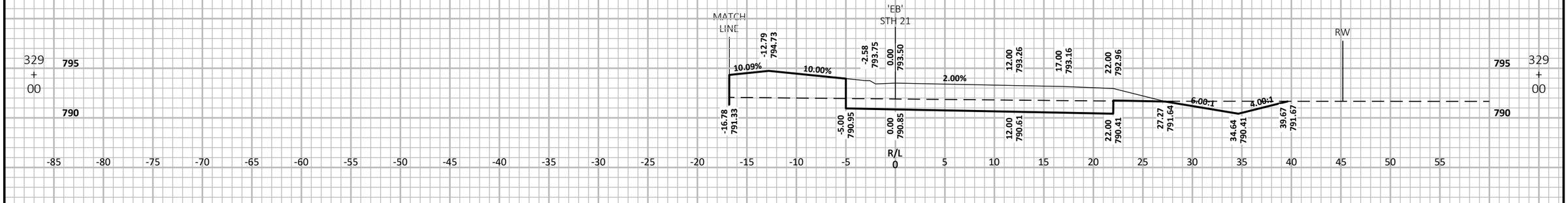
PLOT BY : MATT TOMSOVIC

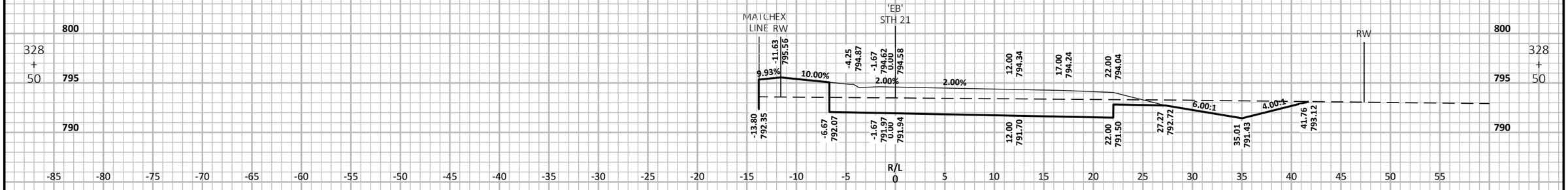
PLOT NAME :

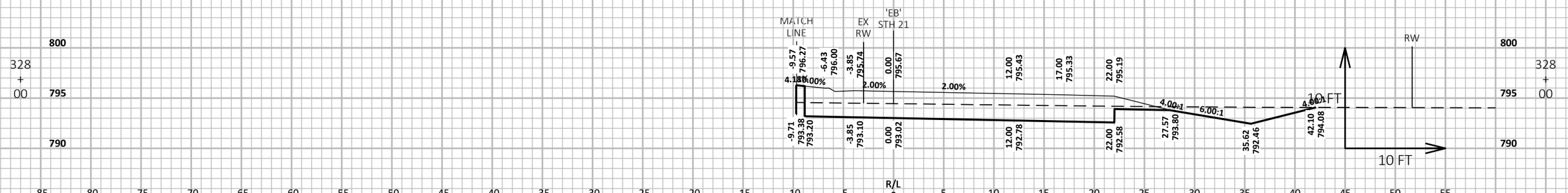
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49









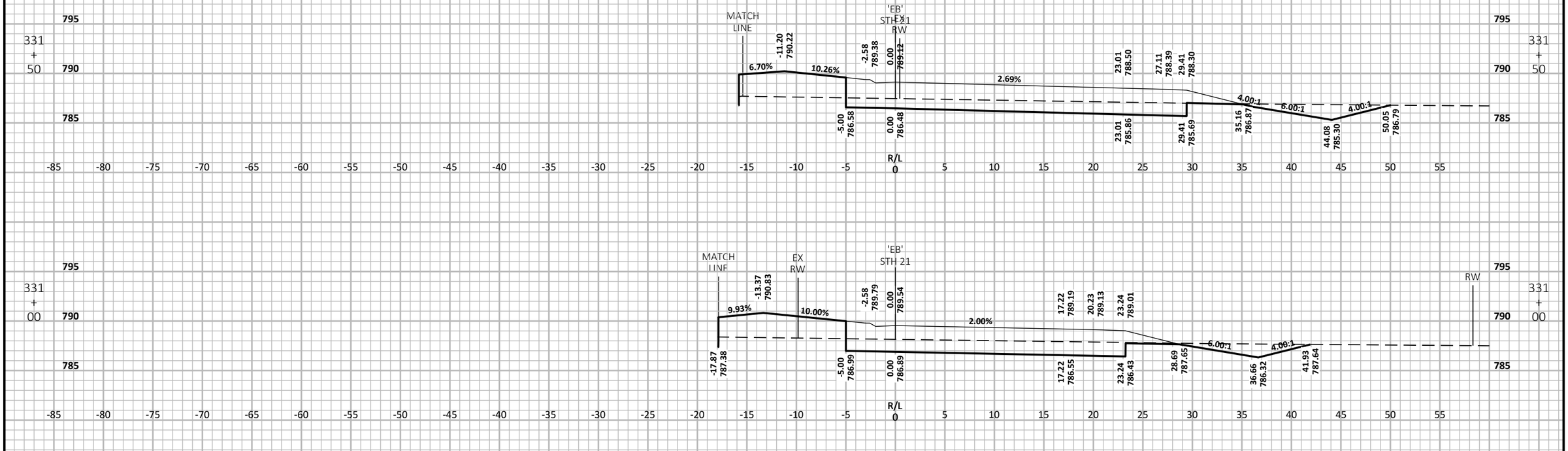
9 9

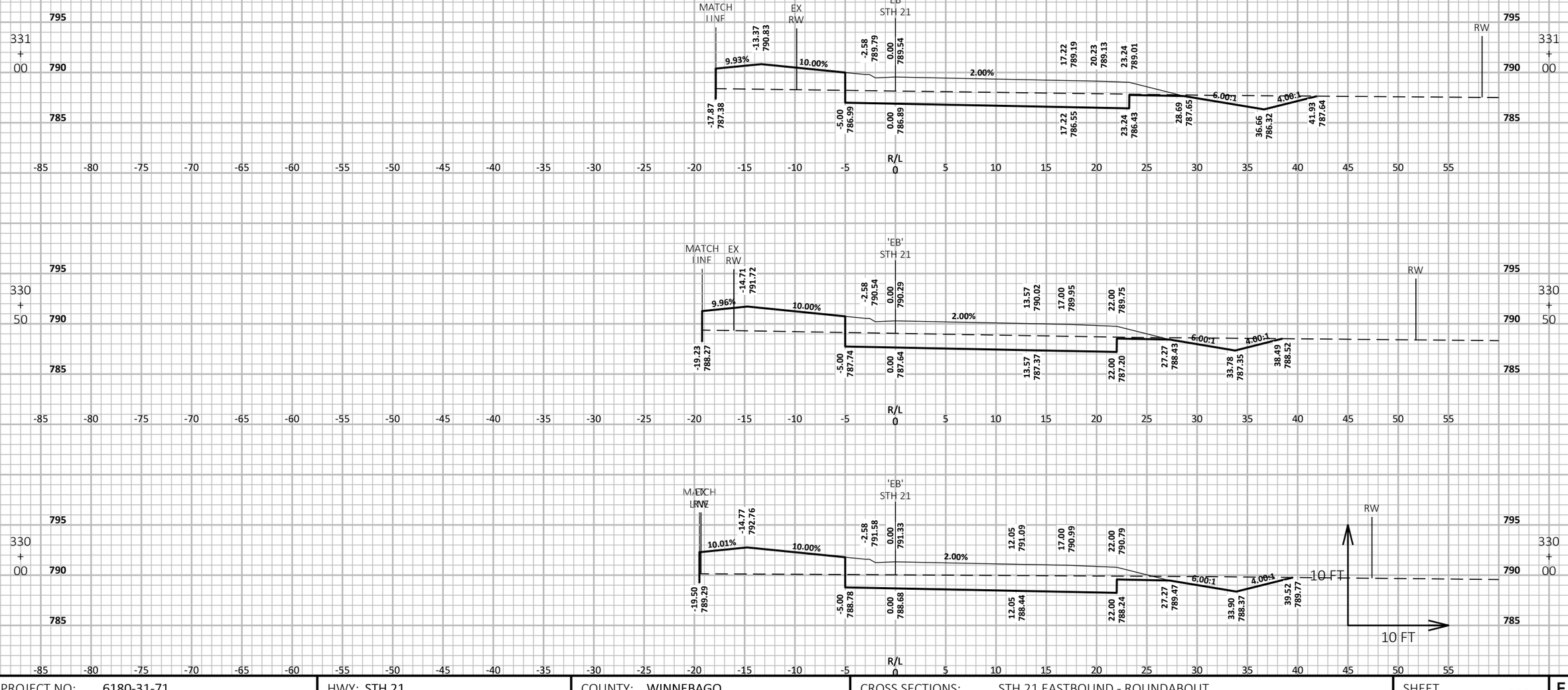
PROJECT NO: 6180-31-71	HWY: STH 21	COUNTY: WINNEBAGO	CROSS SECTIONS: STH 21 EASTBOUND - ROUNDABOUT	SHEET 365	E

FILE NAME : N:\3001455.00\CIVIL 3D\SHEETS\61803171-090201-XS.DWG
LAYOUT NAME - 61803171-090208-xs

PLOT DATE : 5/12/2025 9:54 AM PLOT BY : MATT TOMSOVIC PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49





9

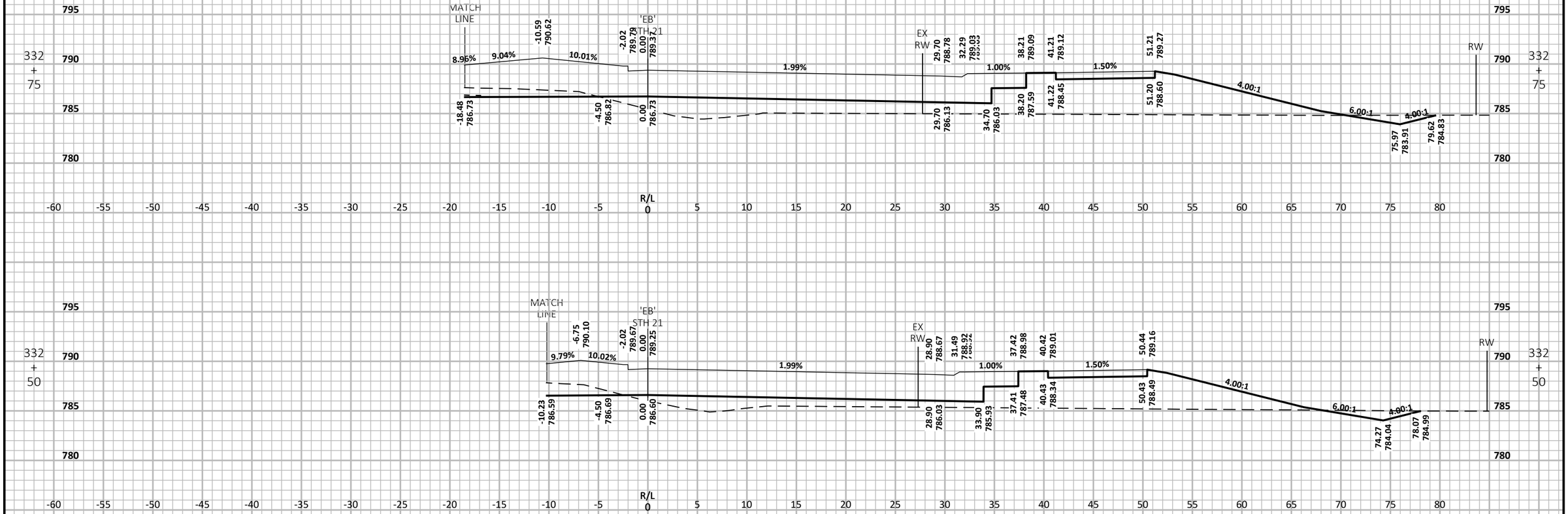
9

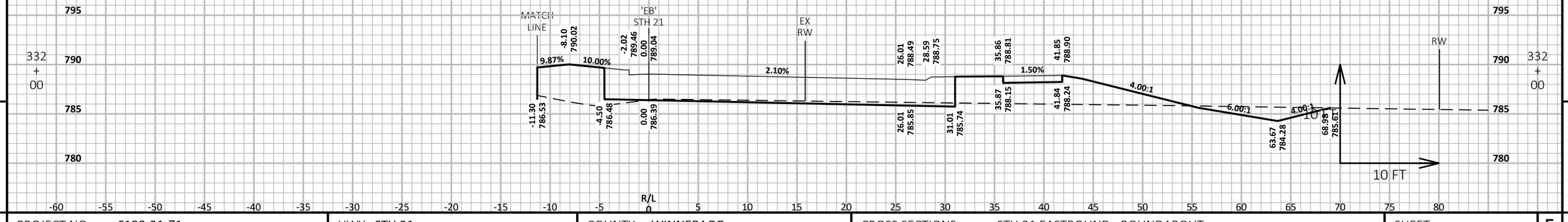
PROJECT NO: 6180-31-71	HWY: STH 21	COUNTY: WINNEBAGO	CROSS SECTIONS: STH 21 EASTBOUND - ROUNDABOUT	SHEET 366	E

FILE NAME : N:\3001455.00\CIVIL 3D\SHEETS\61803171-090201-XS.DWG
LAYOUT NAME - 61803171-090209-xs

PLOT DATE : 5/12/2025 9:54 AM PLOT BY : MATT TOMSOVIC PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

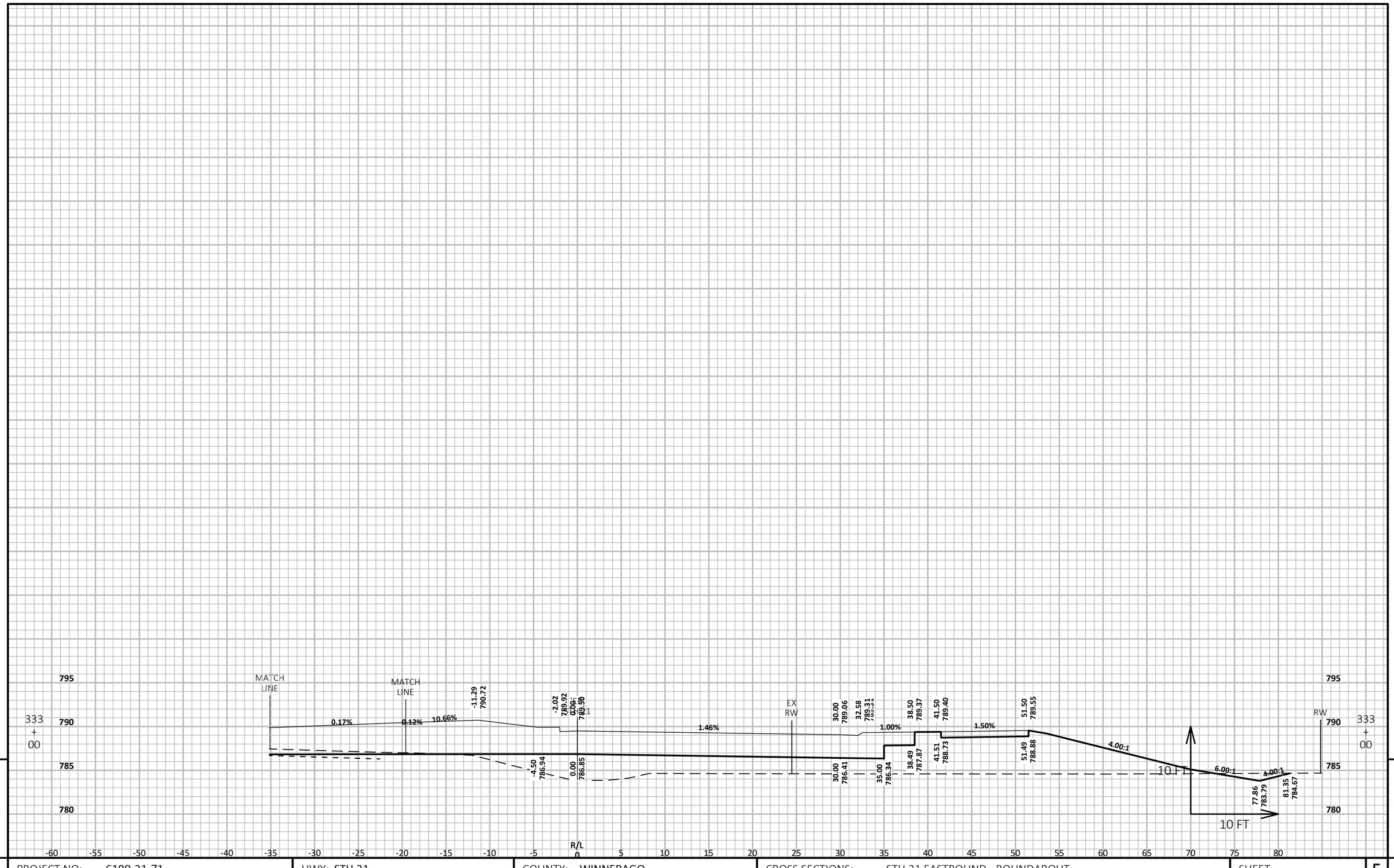




9 9

PROJECT NO: 6180-31-71	HWY: STH 21	COUNTY: WINNEBAGO	CROSS SECTIONS: STH 21 EASTBOUND - ROUNDABOUT	SHEET 367	E

FILE NAME : N:\3001455.00\CIVIL 3D\SHEETS\61803171-090201-XS.DWG
LAYOUT NAME - 61803171-090210-xs
PLOT DATE : 5/12/2025 9:54 AM
PLOT BY : MATT TOMSOVIC
PLOT NAME :
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.
WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 6180-31-71	HWY: STH 21	COUNTY: WINNEBAGO	CROSS SECTIONS: STH 21 EASTBOUND - ROUNDABOUT	SHEET 368	E

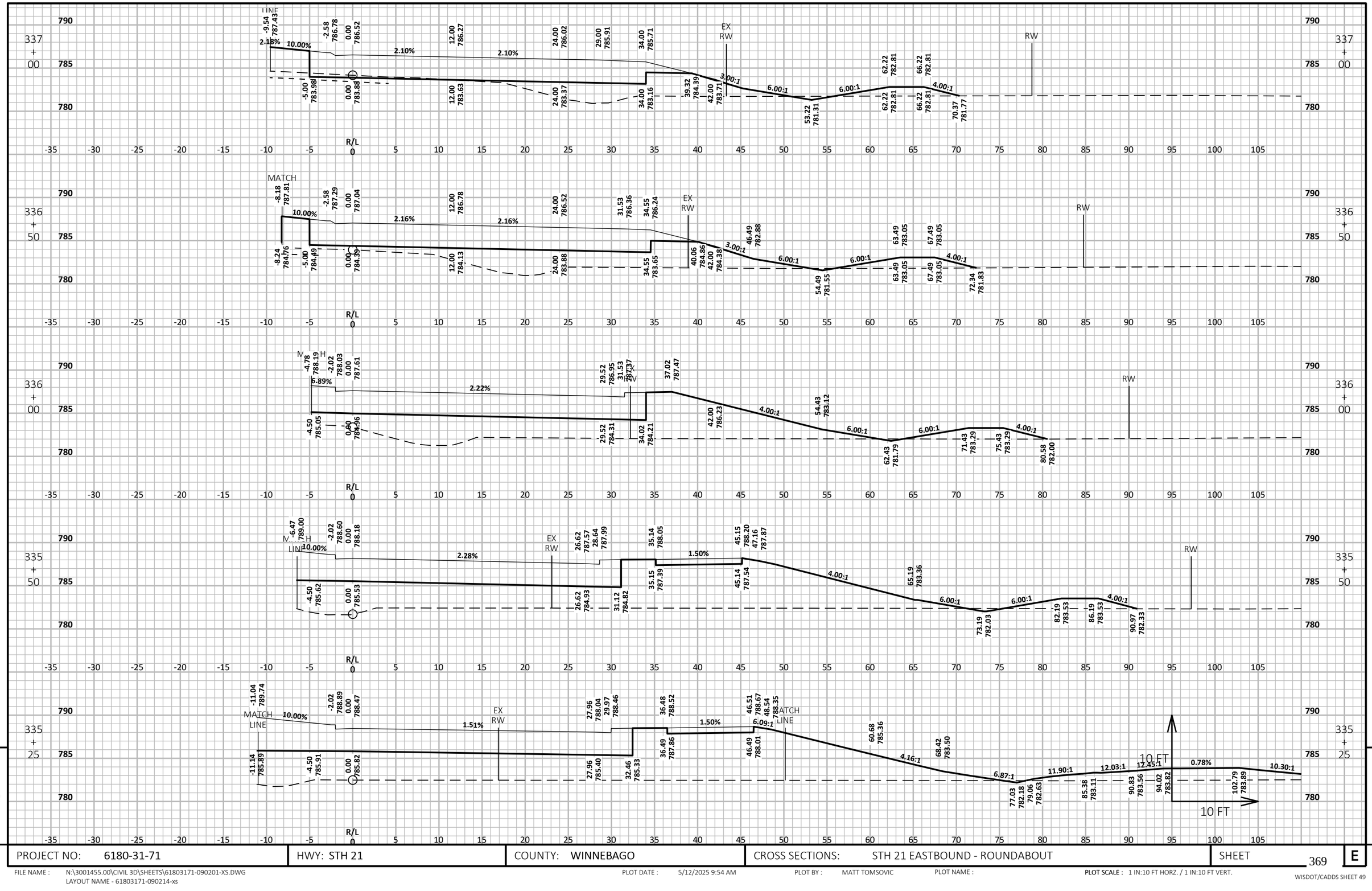
FILE NAME : N:\3001455.00\CIVIL 3D\SHEETS\61803171-090201-XS.DWG
LAYOUT NAME - 61803171-090211-xs

PLOT DATE : 5/12/2025 9:54 AM

PLOT BY : MATT TOMSOVIC

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



PROJECT NO: 6180-31-71	HWY: STH 21	COUNTY: WINNEBAGO	CROSS SECTIONS: STH 21 EASTBOUND - ROUNDABOUT	SHEET 369 E

FILE NAME : N:\3001455.00\CIVIL 3D\SHEETS\61803171-090201-XS.DWG
LAYOUT NAME - 61803171-090214-xs

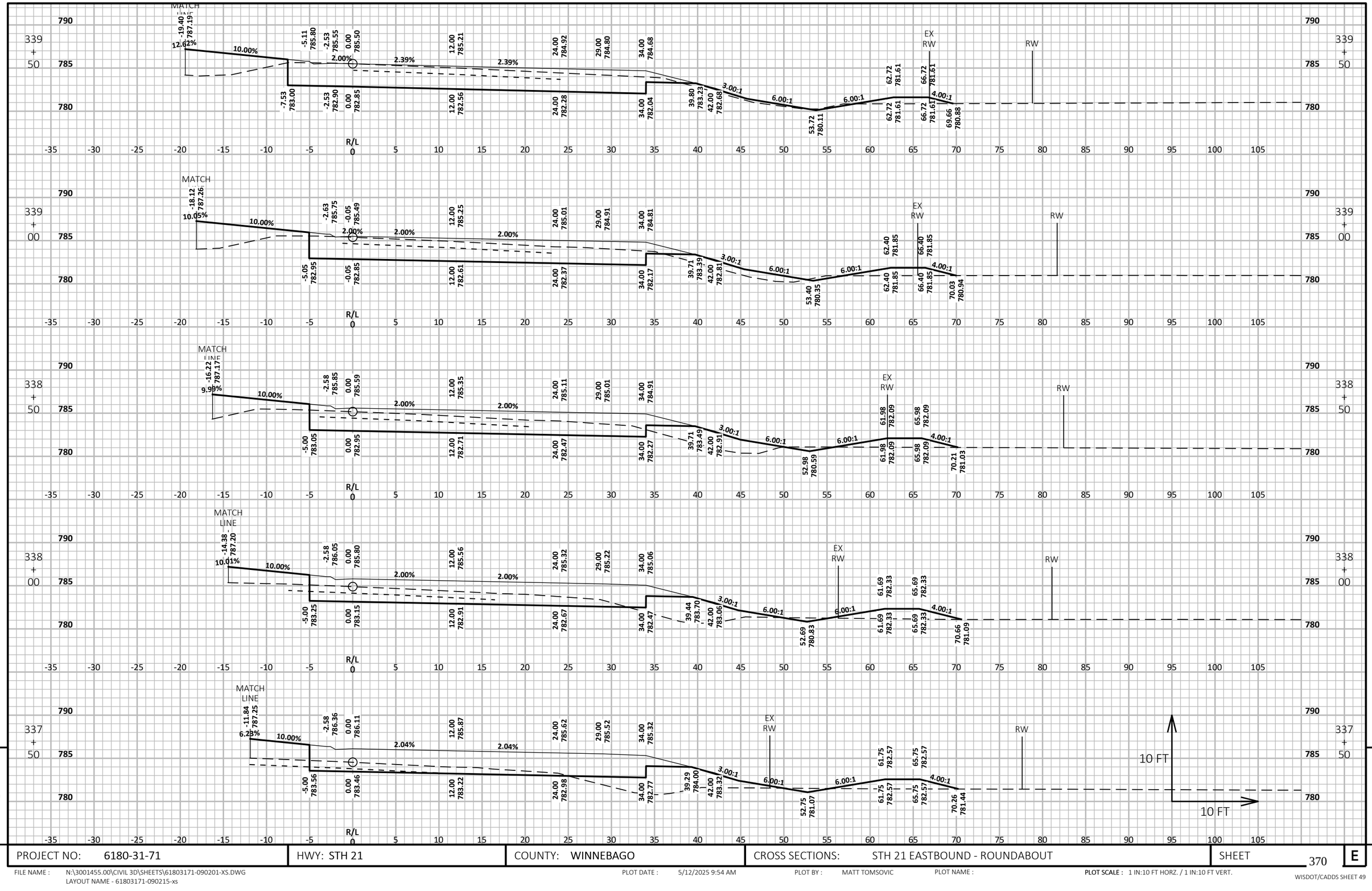
PLOT DATE : 5/12/2025 9:54 AM

PLOT BY : MATT TOMSOVIC

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

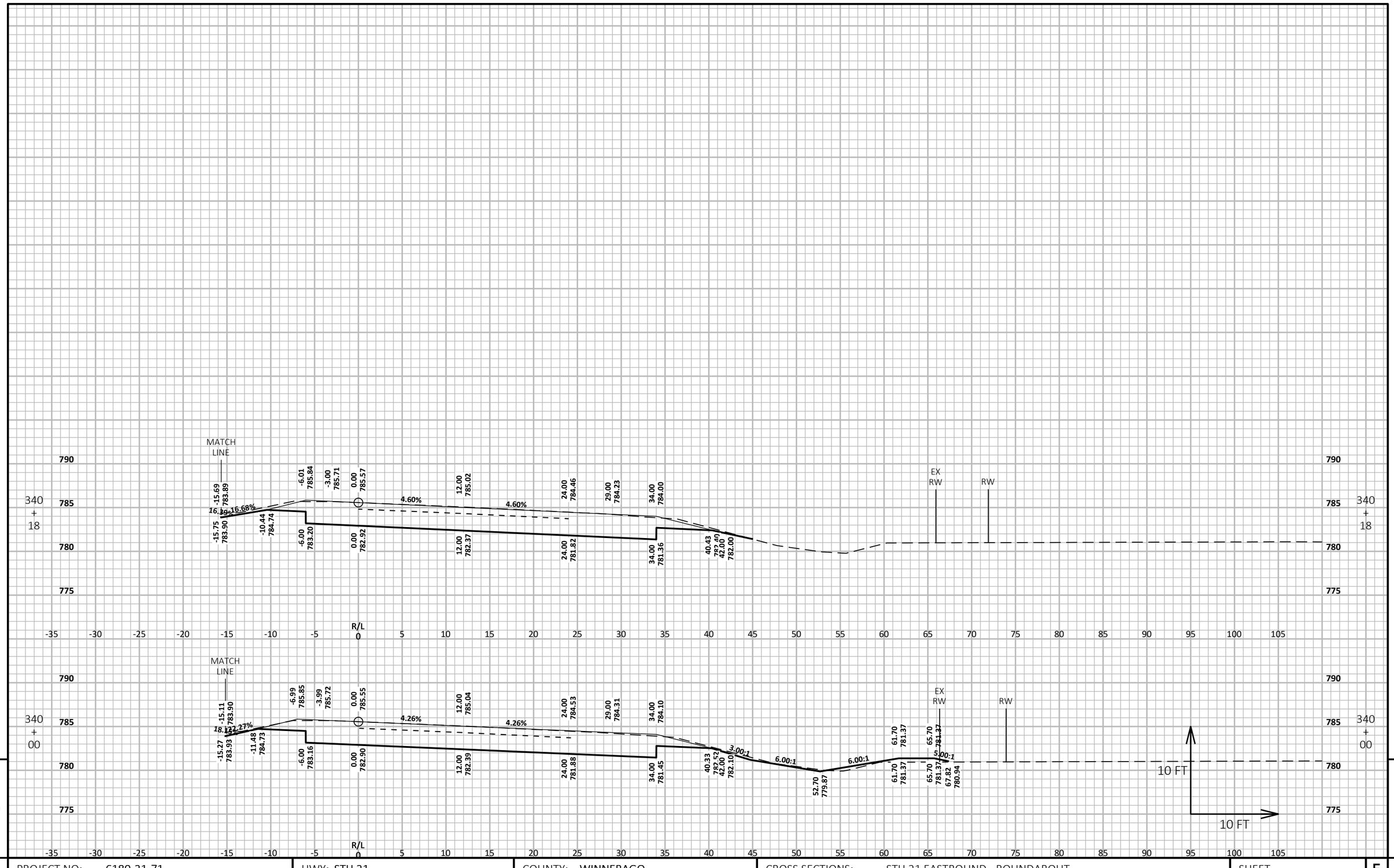


PROJECT NO: 6180-31-71	HWY: STH 21	COUNTY: WINNEBAGO	CROSS SECTIONS: STH 21 EASTBOUND - ROUNDABOUT	SHEET 370	E

FILE NAME : N:\3001455.00\CIVIL 3D\SHEETS\61803171-090201-XS.DWG
LAYOUT NAME - 61803171-090215-xs

PLOT DATE : 5/12/2025 9:54 AM PLOT BY : MATT TOMSOVIC PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

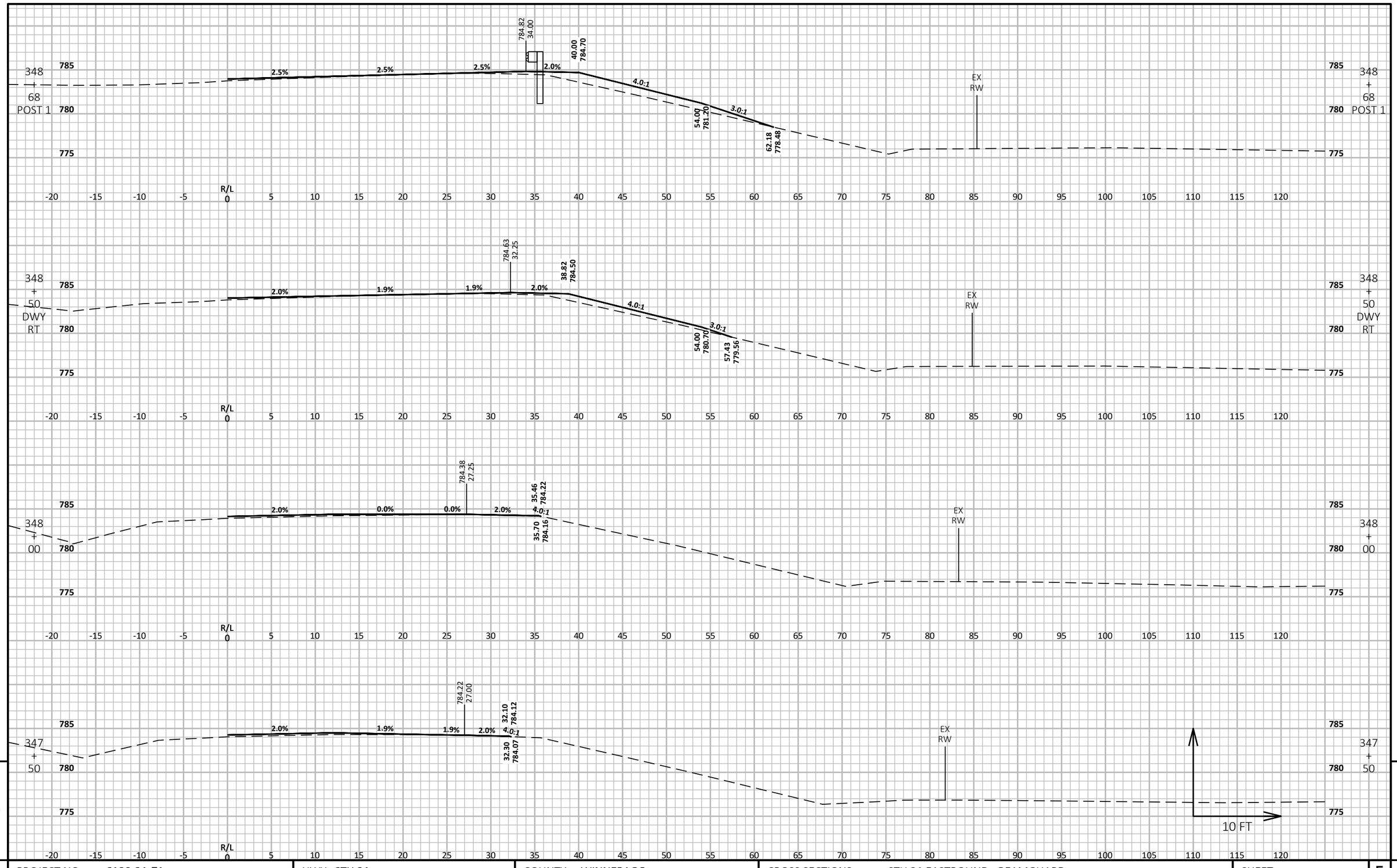
WISDOT/CADDS SHEET 49



PROJECT NO: 6180-31-71	HWY: STH 21	COUNTY: WINNEBAGO	CROSS SECTIONS: STH 21 EASTBOUND - ROUNDABOUT	SHEET 371	E

FILE NAME : N:\3001455.00\CIVIL 3D\SHEETS\61803171-090201-XS.DWG
LAYOUT NAME - 61803171-090216-xs

PLOT DATE : 5/12/2025 9:54 AM PLOT BY : MATT TOMSOVIC PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



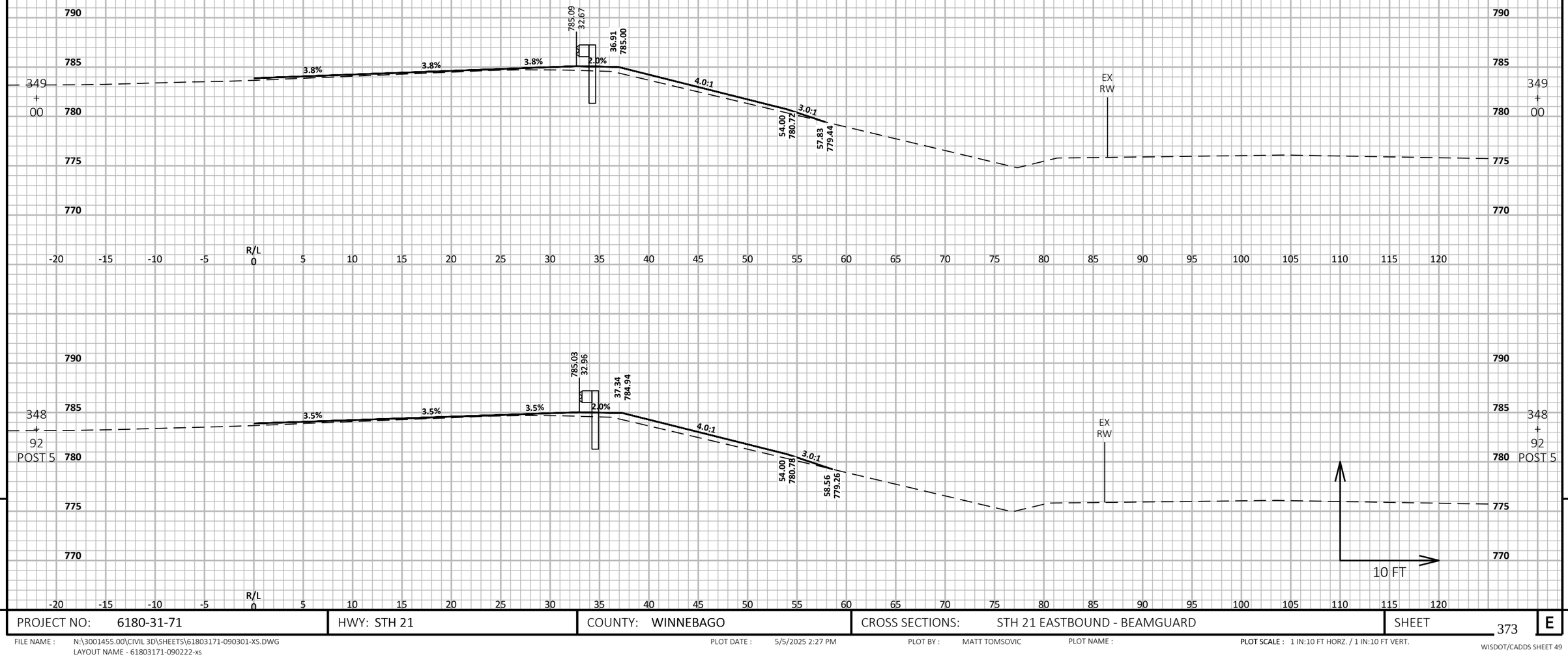
9

PROJECT NO: 6180-31-71	HWY: STH 21	COUNTY: WINNEBAGO	CROSS SECTIONS: STH 21 EASTBOUND - BEAMGUARD	SHEET 372	E

FILE NAME : N:\3001455.00\CIVIL 3D\SHEETS\61803171-090301-XS.DWG
LAYOUT NAME - 61803171-090221-xs

PLOT DATE : 5/5/2025 2:26 PM PLOT BY : MATT TOMSOVIC PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

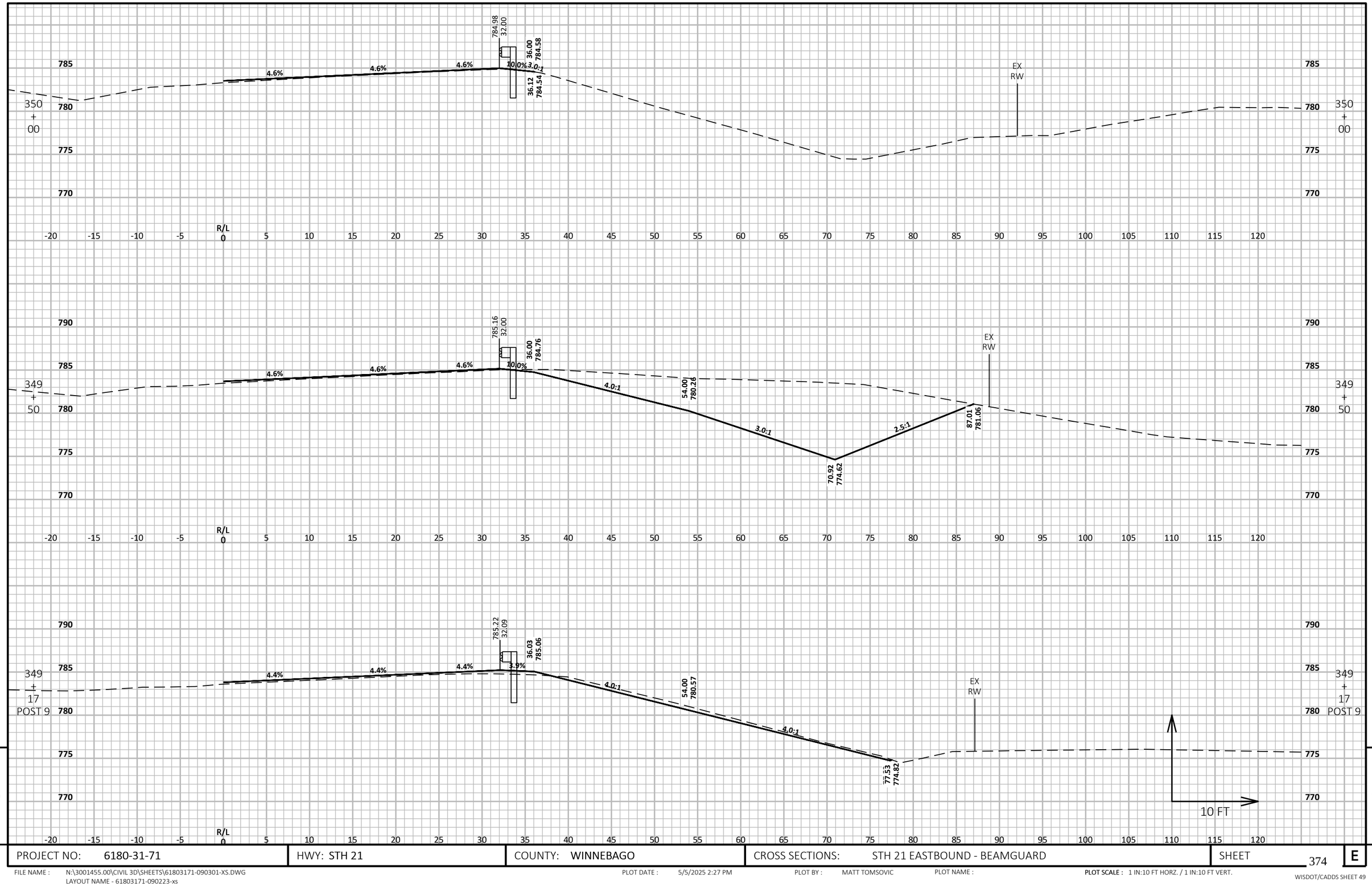


PROJECT NO: 6180-31-71	HWY: STH 21	COUNTY: WINNEBAGO	CROSS SECTIONS: STH 21 EASTBOUND - BEAMGUARD	SHEET 373 E

FILE NAME : N:\3001455.00\CIVIL 3D\SHEETS\61803171-090301-XS.DWG
LAYOUT NAME - 61803171-090222-xs

PLOT DATE : 5/5/2025 2:27 PM PLOT BY : MATT TOMSOVIC PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

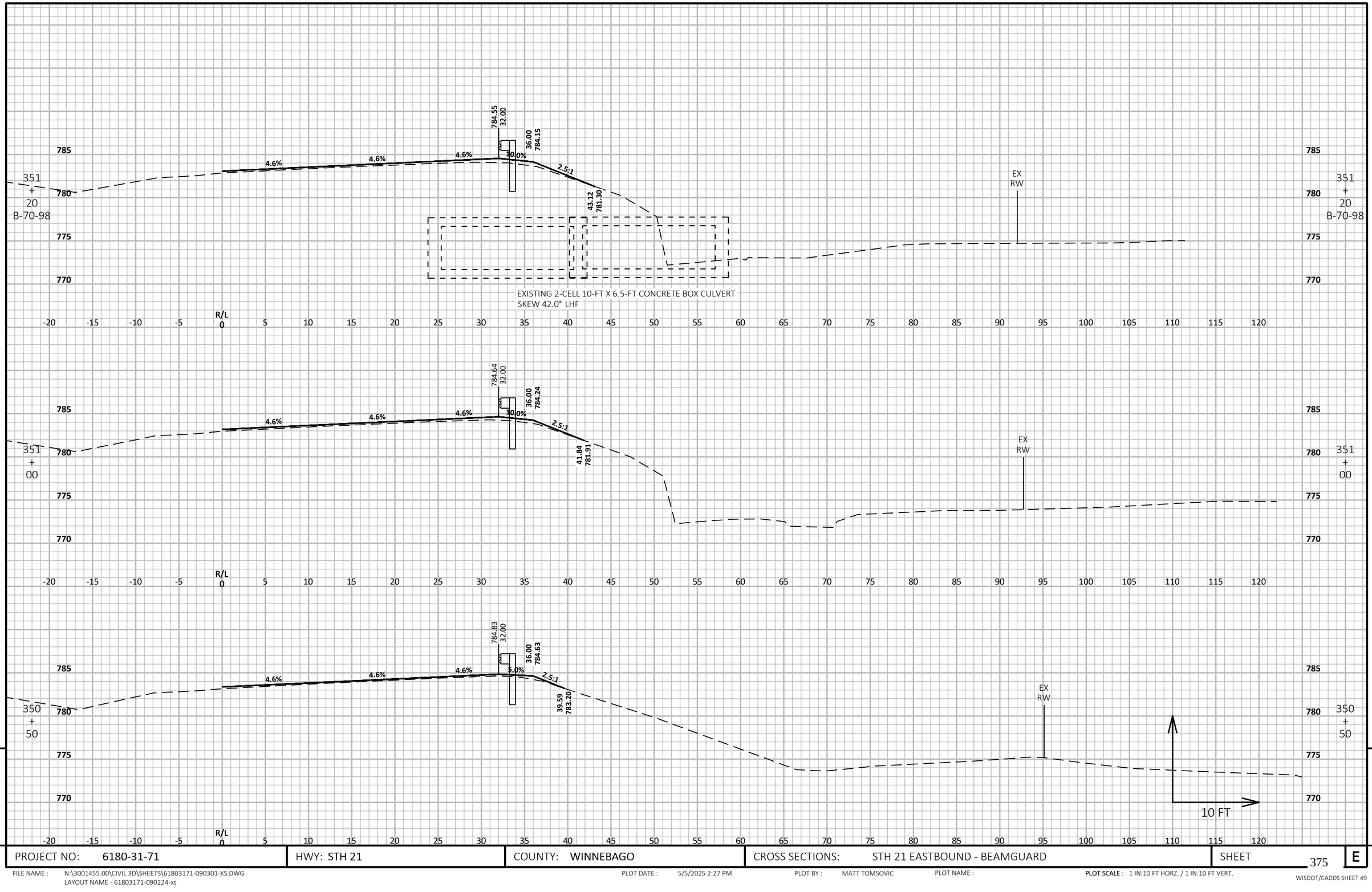
9

PROJECT NO: 6180-31-71	HWY: STH 21	COUNTY: WINNEBAGO	CROSS SECTIONS: STH 21 EASTBOUND - BEAMGUARD	SHEET 374	E

FILE NAME : N:\3001455.00\CIVIL 3D\SHEETS\61803171-090301-XS.DWG
LAYOUT NAME - 61803171-090223-xs

PLOT DATE : 5/5/2025 2:27 PM PLOT BY : MATT TOMSOVIC PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

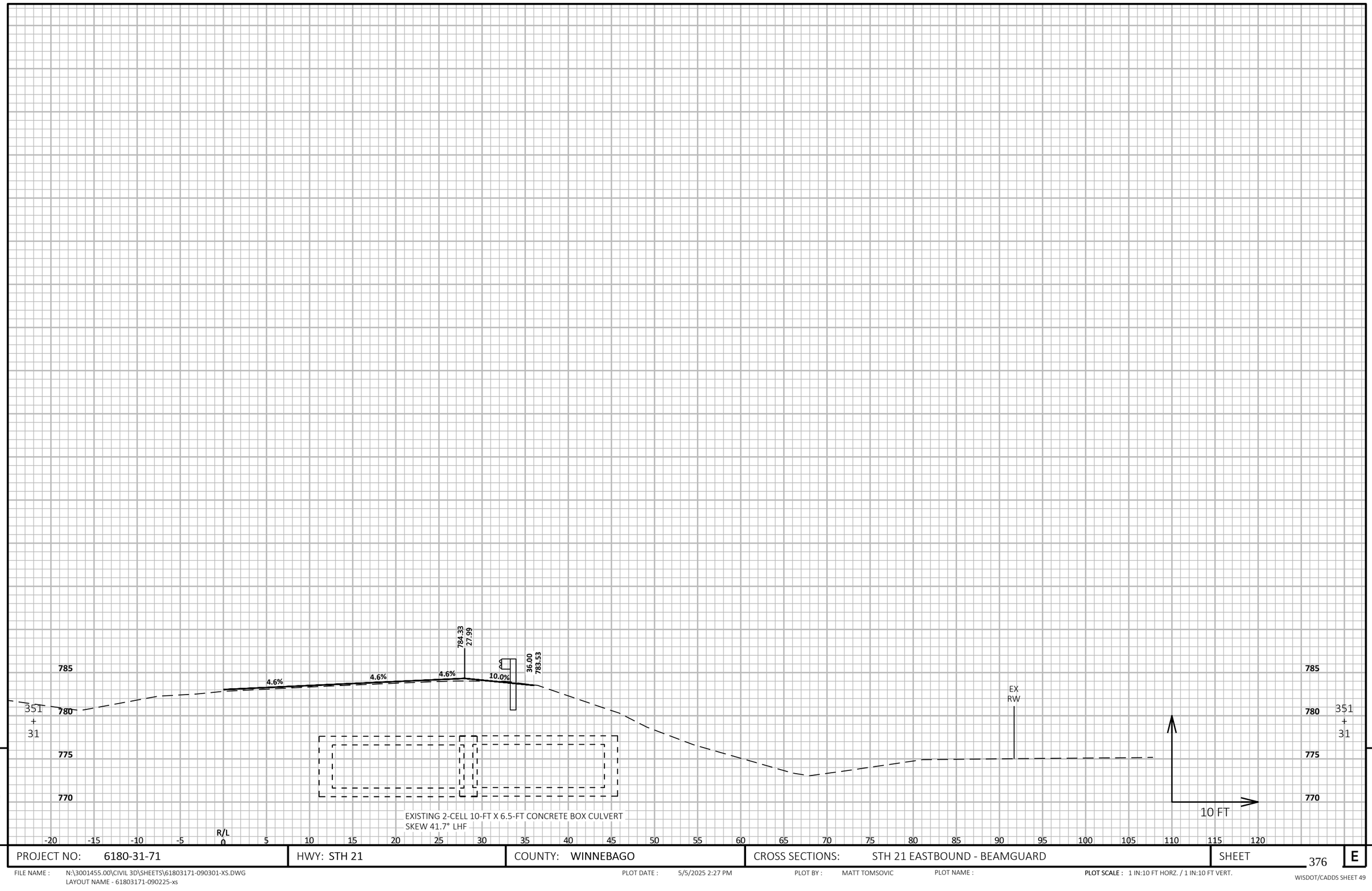
WISDOT/CADDS SHEET 49



9

PROJECT NO: 6180-31-71	HWY: STH 21	COUNTY: WINNEBAGO	CROSS SECTIONS: STH 21 EASTBOUND - BEAMGUARD	SHEET 375	E

FILE NAME : N:\3001455.00\CIVIL 3D\SHEETS\61803171-090301-XS.DWG
LAYOUT NAME - 61803171-090224-xs
PLOT DATE : 5/5/2025 2:27 PM
PLOT BY : MATT TOMSOVIC
PLOT NAME :
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.
WISDOT/CADDS SHEET 49

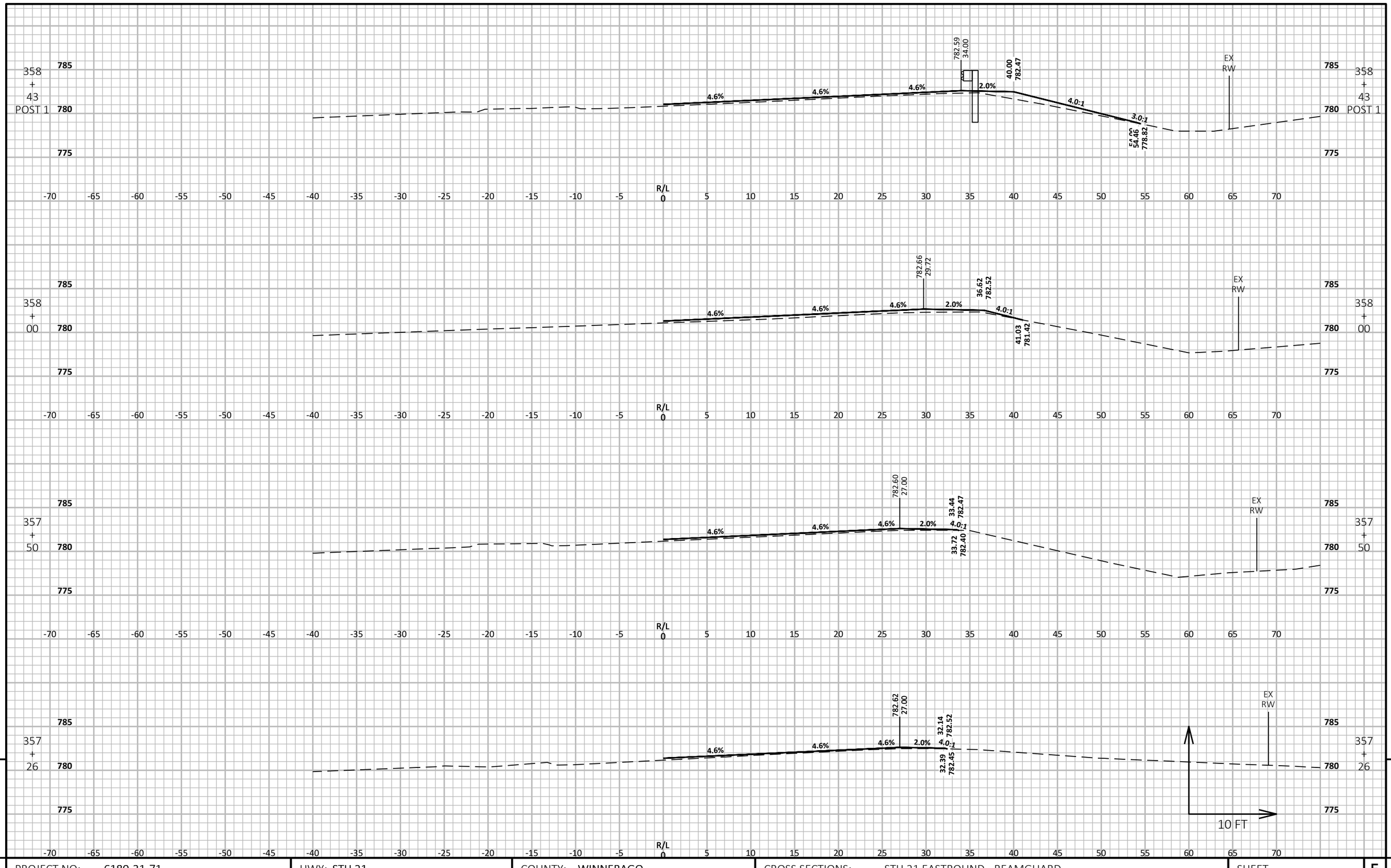


9 9

PROJECT NO: 6180-31-71	HWY: STH 21	COUNTY: WINNEBAGO	CROSS SECTIONS: STH 21 EASTBOUND - BEAMGUARD	SHEET 376	E

FILE NAME : N:\3001455.00\CIVIL 3D\SHEETS\61803171-090301-XS.DWG
LAYOUT NAME - 61803171-090225-xs

PLOT DATE : 5/5/2025 2:27 PM PLOT BY : MATT TOMSOVIC PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



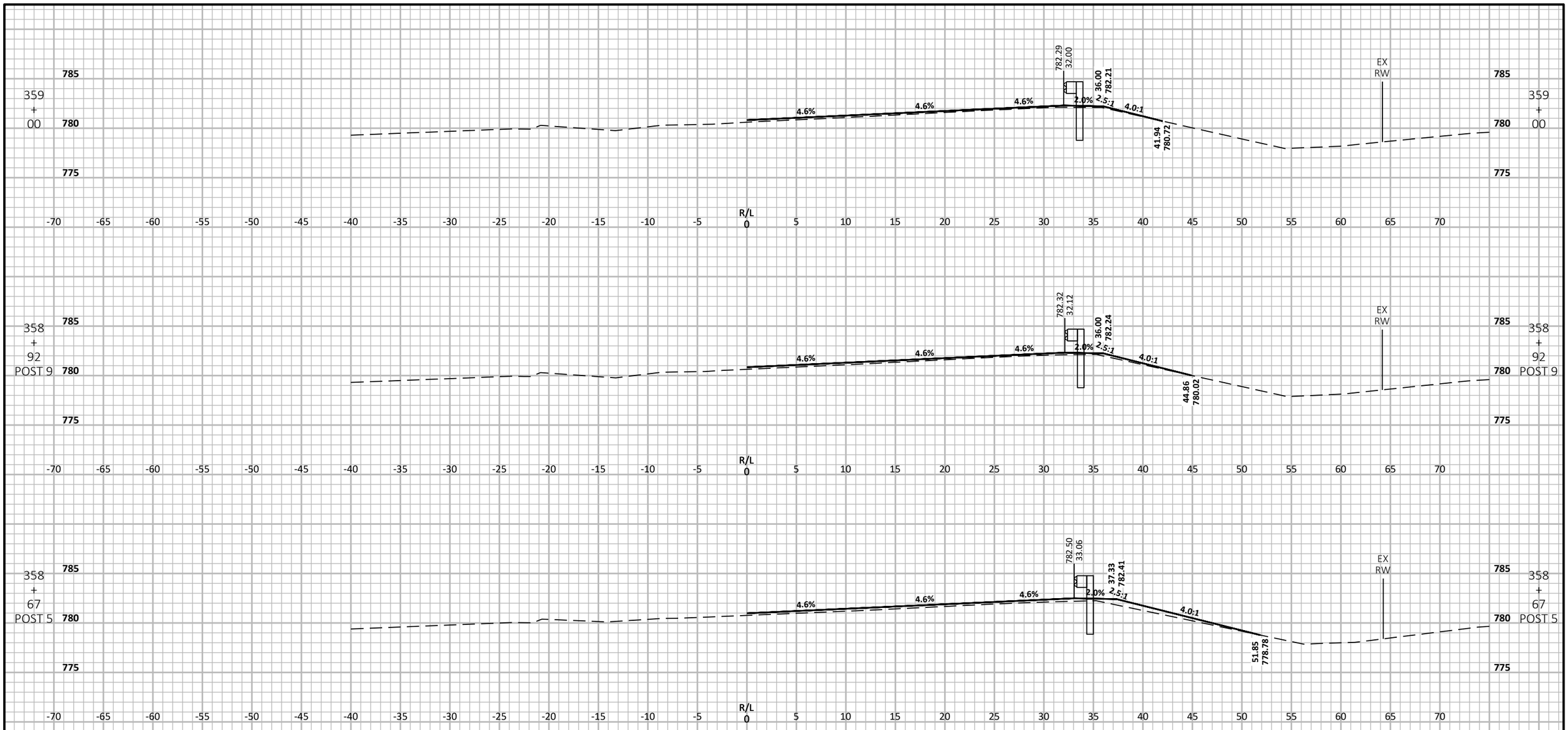
9

PROJECT NO: 6180-31-71	HWY: STH 21	COUNTY: WINNEBAGO	CROSS SECTIONS: STH 21 EASTBOUND - BEAMGUARD	SHEET 377	E

FILE NAME : N:\3001455.00\CIVIL 3D\SHEETS\61803171-090301-XS.DWG
LAYOUT NAME - 61803171-090231-xs

PLOT DATE : 5/5/2025 2:27 PM PLOT BY : MATT TOMSOVIC PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



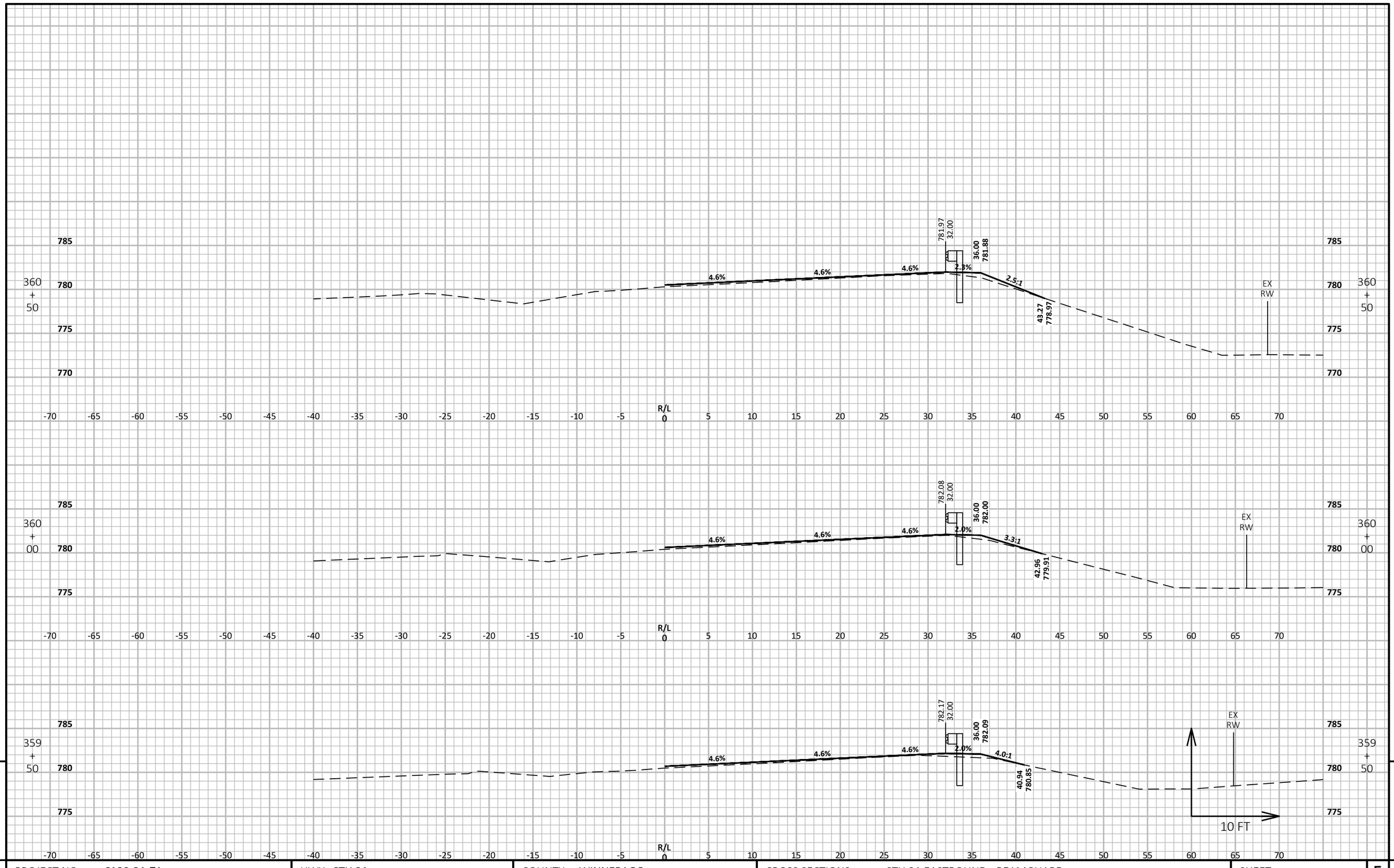
9

9

PROJECT NO: 6180-31-71	HWY: STH 21	COUNTY: WINNEBAGO	CROSS SECTIONS: STH 21 EASTBOUND - BEAMGUARD	SHEET 378	E

FILE NAME : N:\3001455.00\CIVIL 3D\SHEETS\61803171-090301-XS.DWG
LAYOUT NAME - 61803171-090232-xs

PLOT DATE : 5/5/2025 2:27 PM PLOT BY : MATT TOMSOVIC PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



9

9

PROJECT NO: 6180-31-71	HWY: STH 21	COUNTY: WINNEBAGO	CROSS SECTIONS: STH 21 EASTBOUND - BEAMGUARD	SHEET 379	E

FILE NAME : N:\3001455.00\CIVIL 3D\SHEETS\61803171-090301-XS.DWG
LAYOUT NAME - 61803171-090233-xs

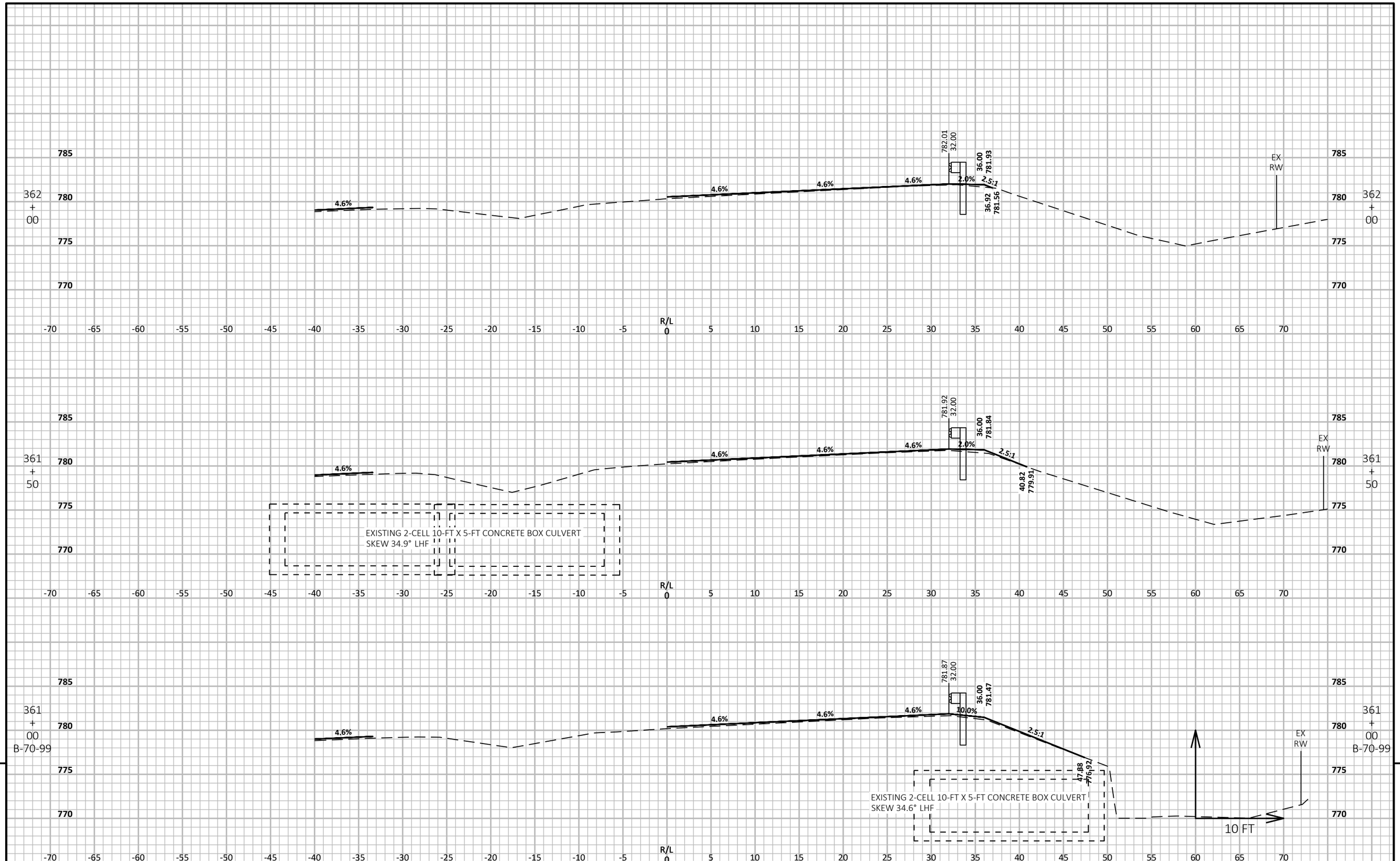
PLOT DATE : 5/5/2025 2:27 PM

PLOT BY : MATT TOMSOVIC

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

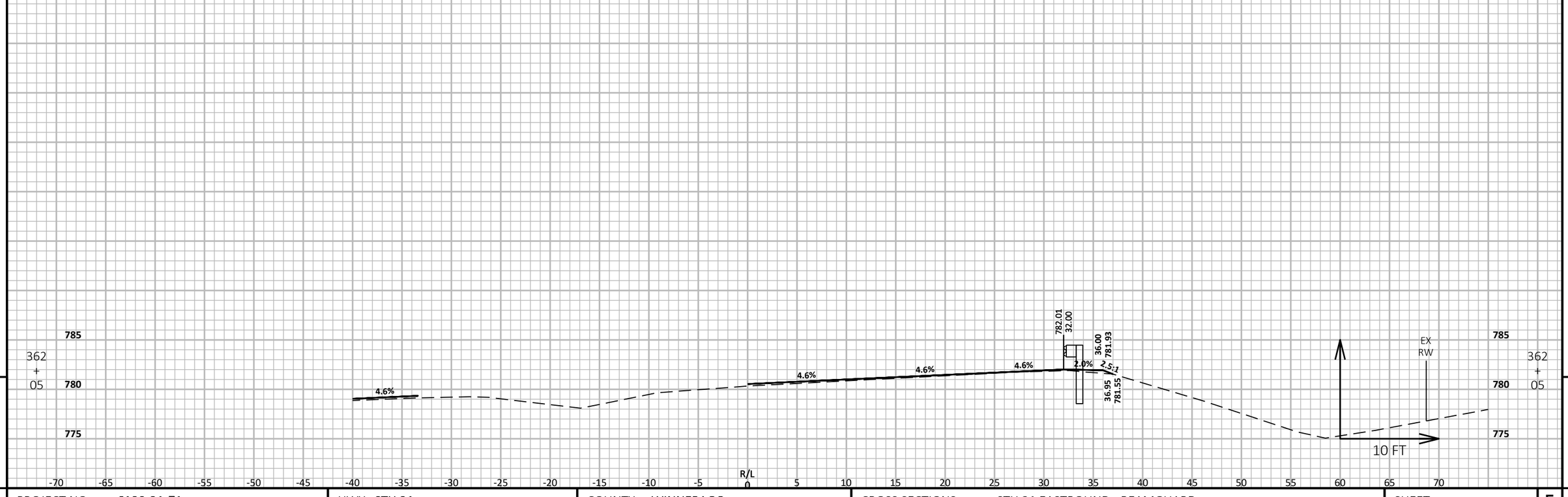
9

PROJECT NO: 6180-31-71	HWY: STH 21	COUNTY: WINNEBAGO	CROSS SECTIONS: STH 21 EASTBOUND - BEAMGUARD	SHEET 380	E

FILE NAME : N:\3001455.00\CIVIL 3D\SHEETS\61803171-090301-XS.DWG
LAYOUT NAME - 61803171-090234-xs

PLOT DATE : 5/5/2025 2:27 PM PLOT BY : MATT TOMSOVIC PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 6180-31-71	HWY: STH 21	COUNTY: WINNEBAGO	CROSS SECTIONS: STH 21 EASTBOUND - BEAMGUARD	SHEET 381	E

FILE NAME : N:\3001455.00\CIVIL 3D\SHEETS\61803171-090301-XS.DWG
LAYOUT NAME - 61803171-090235-xs

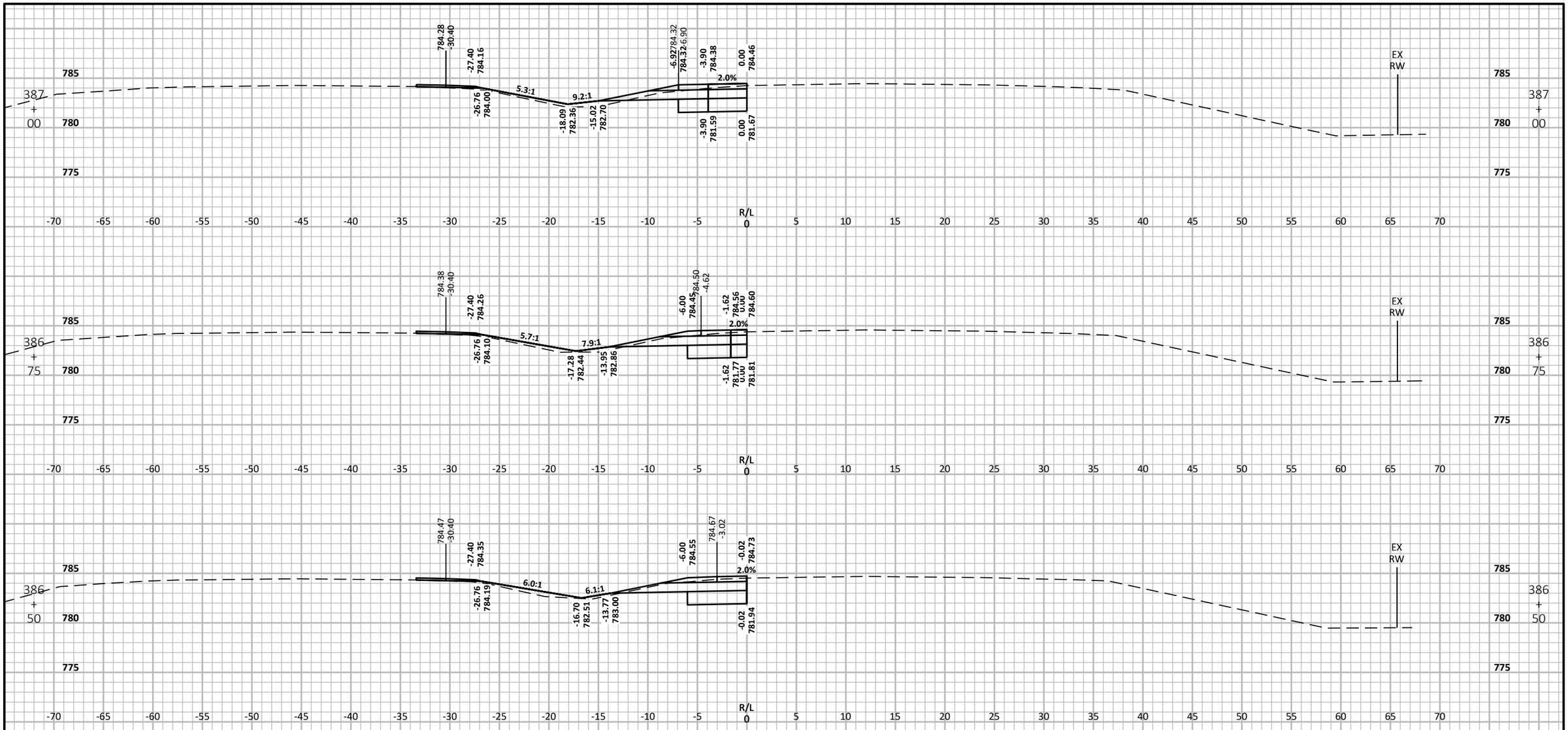
PLOT DATE : 5/5/2025 2:27 PM

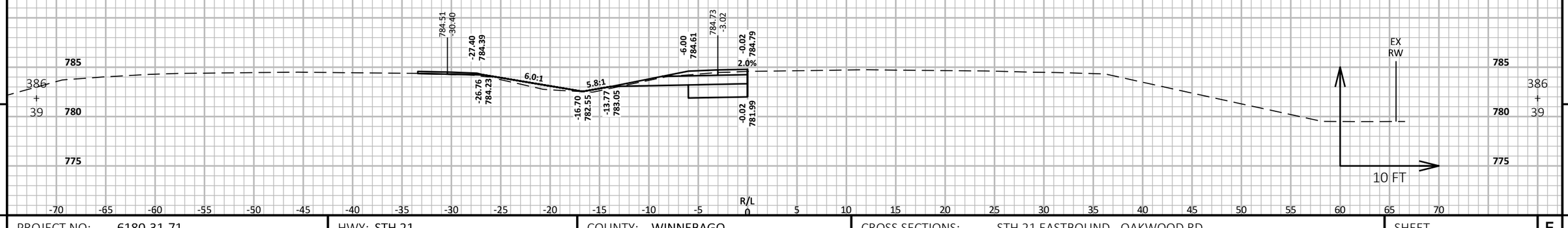
PLOT BY : MATT TOMSOVIC

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49





9

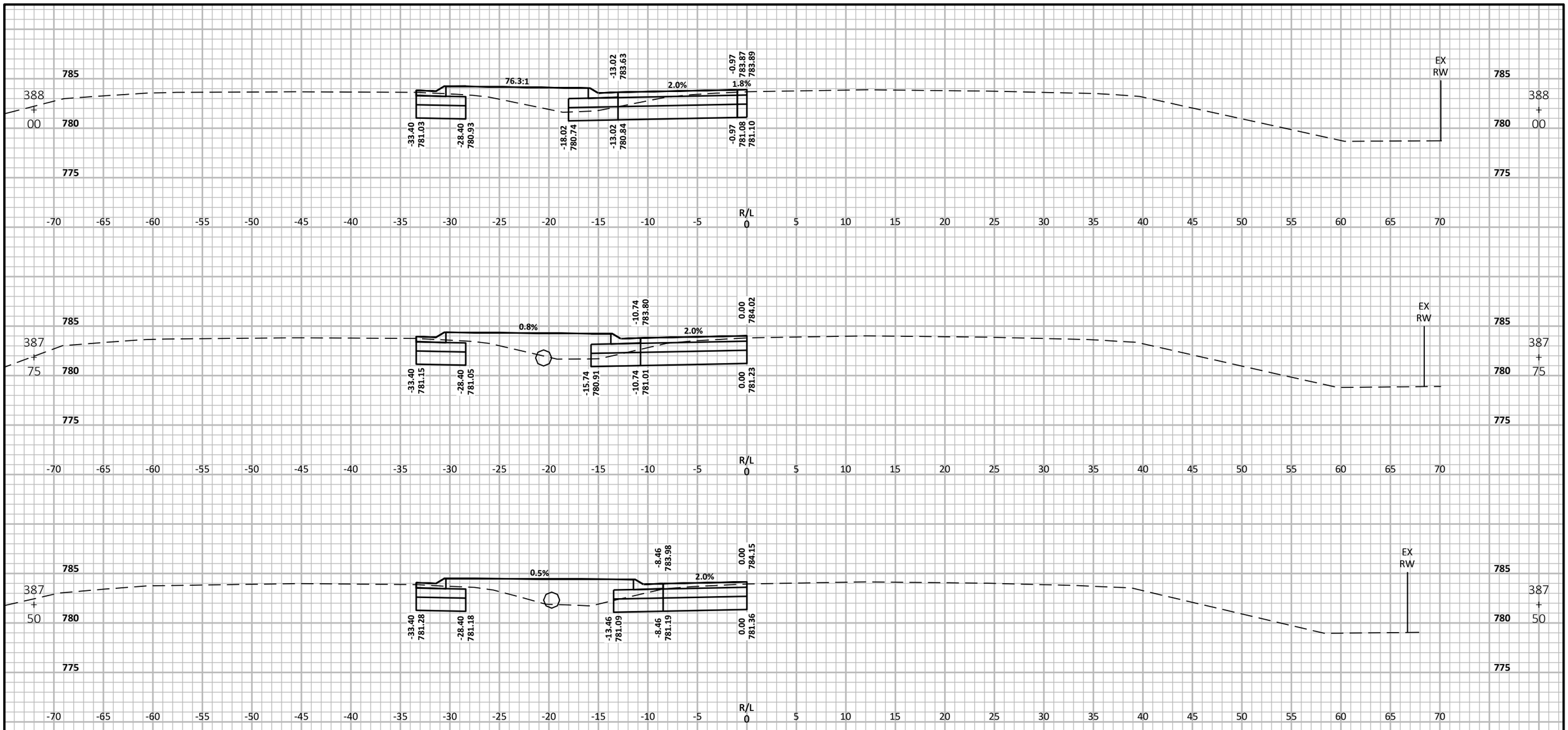
9

PROJECT NO: 6180-31-71	HWY: STH 21	COUNTY: WINNEBAGO	CROSS SECTIONS: STH 21 EASTBOUND - OAKWOOD RD	SHEET 382	E

FILE NAME : N:\3001455.00\CIVIL 3D\SHEETS\61803171-090301-XS.DWG
LAYOUT NAME - 61803171-090241-xs

PLOT DATE : 5/5/2025 2:27 PM PLOT BY : MATT TOMSOVIC PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

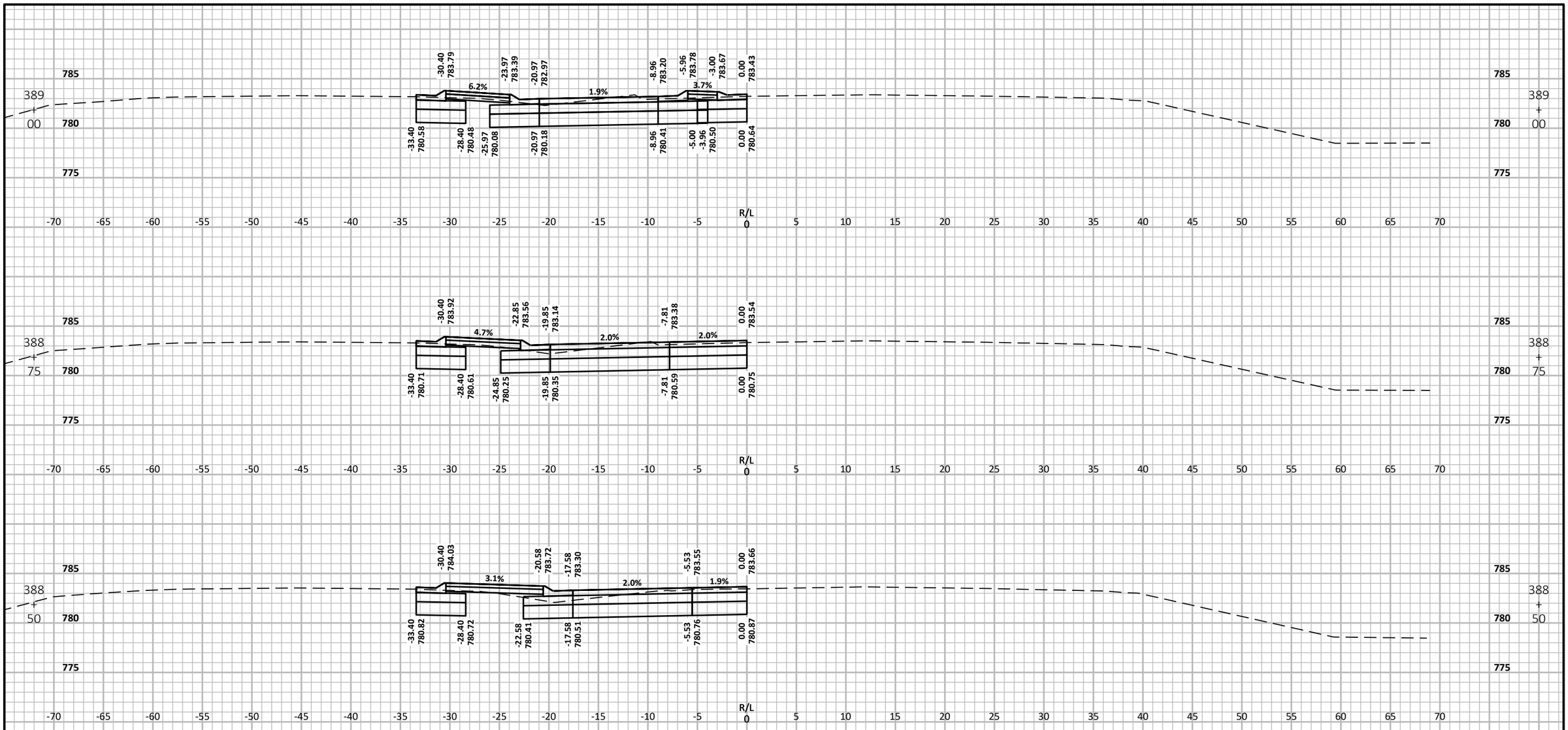


9

PROJECT NO: 6180-31-71	HWY: STH 21	COUNTY: WINNEBAGO	CROSS SECTIONS: STH 21 EASTBOUND - OAKWOOD RD	SHEET 383	E

FILE NAME : N:\3001455.00\CIVIL 3D\SHEETS\61803171-090301-XS.DWG
LAYOUT NAME - 61803171-090242-xs

PLOT DATE : 5/5/2025 2:27 PM PLOT BY : MATT TOMSOVIC PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



9

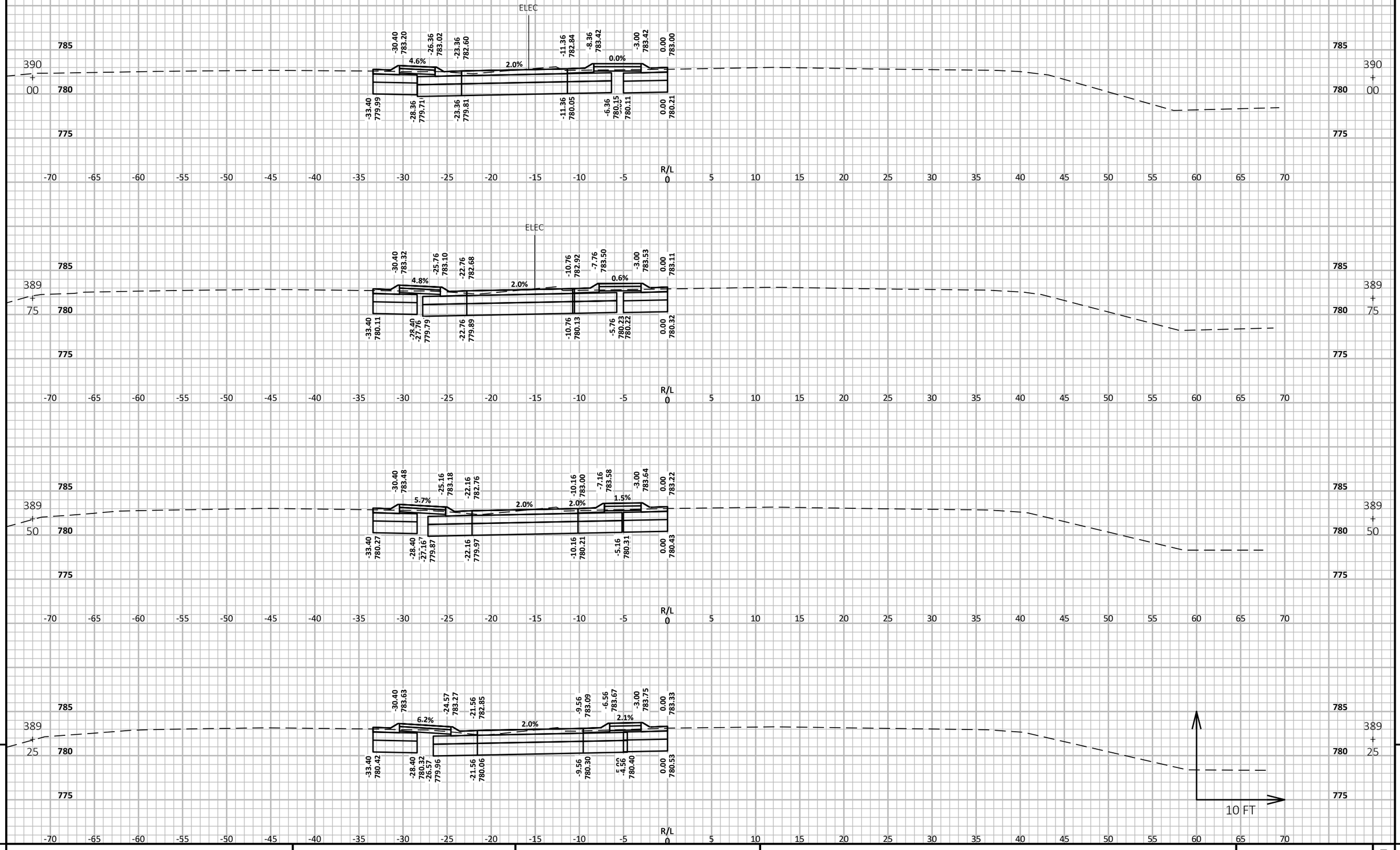
9

PROJECT NO: 6180-31-71	HWY: STH 21	COUNTY: WINNEBAGO	CROSS SECTIONS: STH 21 EASTBOUND - OAKWOOD RD	SHEET 384	E

FILE NAME : N:\3001455.00\CIVIL 3D\SHEETS\61803171-090301-XS.DWG
LAYOUT NAME - 61803171-090243-xs

PLOT DATE : 5/5/2025 2:27 PM PLOT BY : MATT TOMSOVIC PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

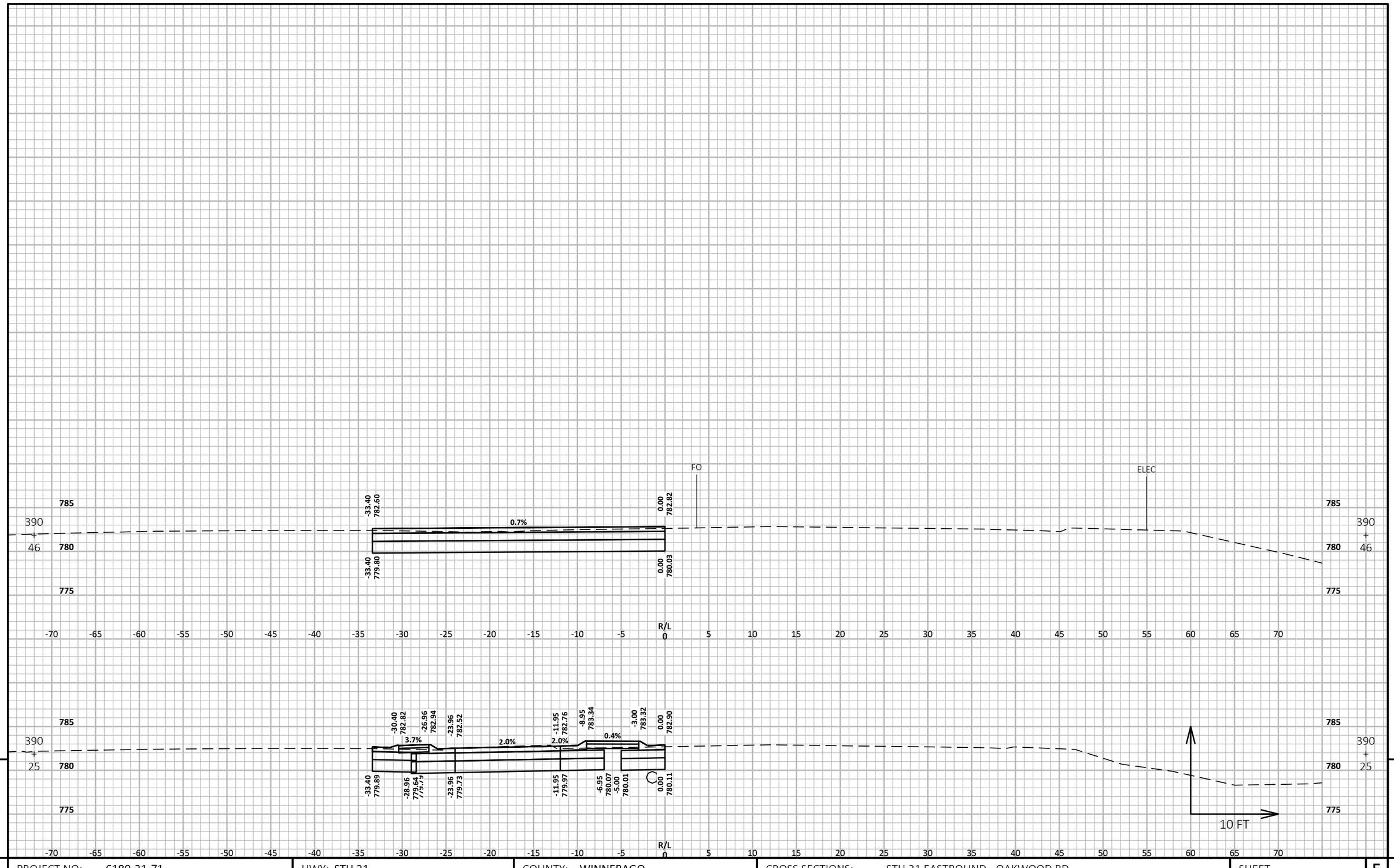


PROJECT NO: 6180-31-71	HWY: STH 21	COUNTY: WINNEBAGO	CROSS SECTIONS: STH 21 EASTBOUND - OAKWOOD RD	SHEET 385	E

FILE NAME : N:\3001455.00\CIVIL 3D\SHEETS\61803171-090301-XS.DWG
LAYOUT NAME - 61803171-090244-xs

PLOT DATE : 5/5/2025 2:28 PM PLOT BY : MATT TOMSOVIC PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

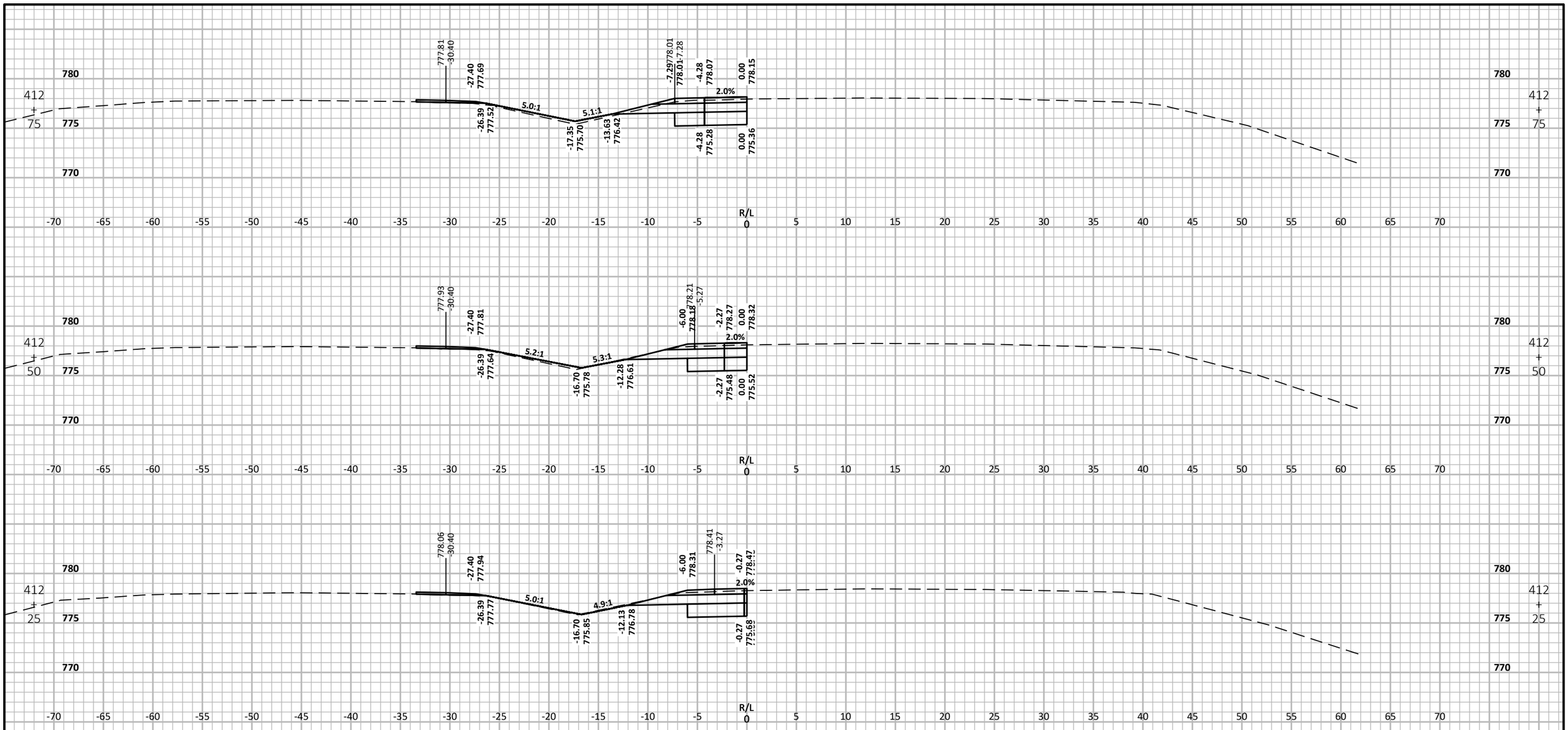
9

PROJECT NO: 6180-31-71	HWY: STH 21	COUNTY: WINNEBAGO	CROSS SECTIONS: STH 21 EASTBOUND - OAKWOOD RD	SHEET 386	E

FILE NAME : N:\3001455.00\CIVIL 3D\SHEETS\61803171-090301-XS.DWG
LAYOUT NAME - 61803171-090245-xs

PLOT DATE : 5/5/2025 2:28 PM PLOT BY : MATT TOMSOVIC PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 6180-31-71	HWY: STH 21	COUNTY: WINNEBAGO	CROSS SECTIONS: STH 21 EASTBOUND - WESTHAVEN DR	SHEET 387	E

FILE NAME : N:\3001455.00\CIVIL 3D\SHEETS\61803171-090301-XS.DWG
LAYOUT NAME - 61803171-090251-xs

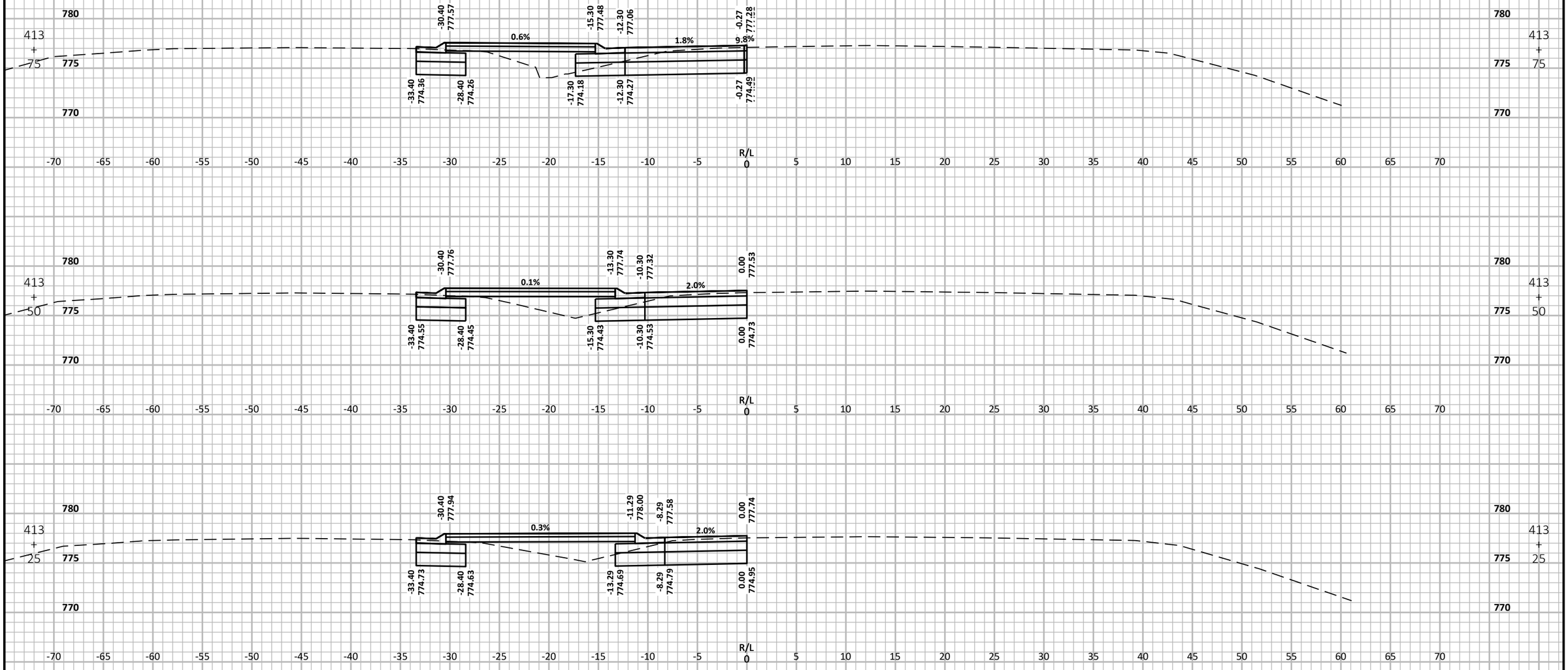
PLOT DATE : 5/5/2025 2:28 PM

PLOT BY : MATT TOMSOVIC

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 6180-31-71	HWY: STH 21	COUNTY: WINNEBAGO	CROSS SECTIONS: STH 21 EASTBOUND - WESTHAVEN DR	SHEET 388	E

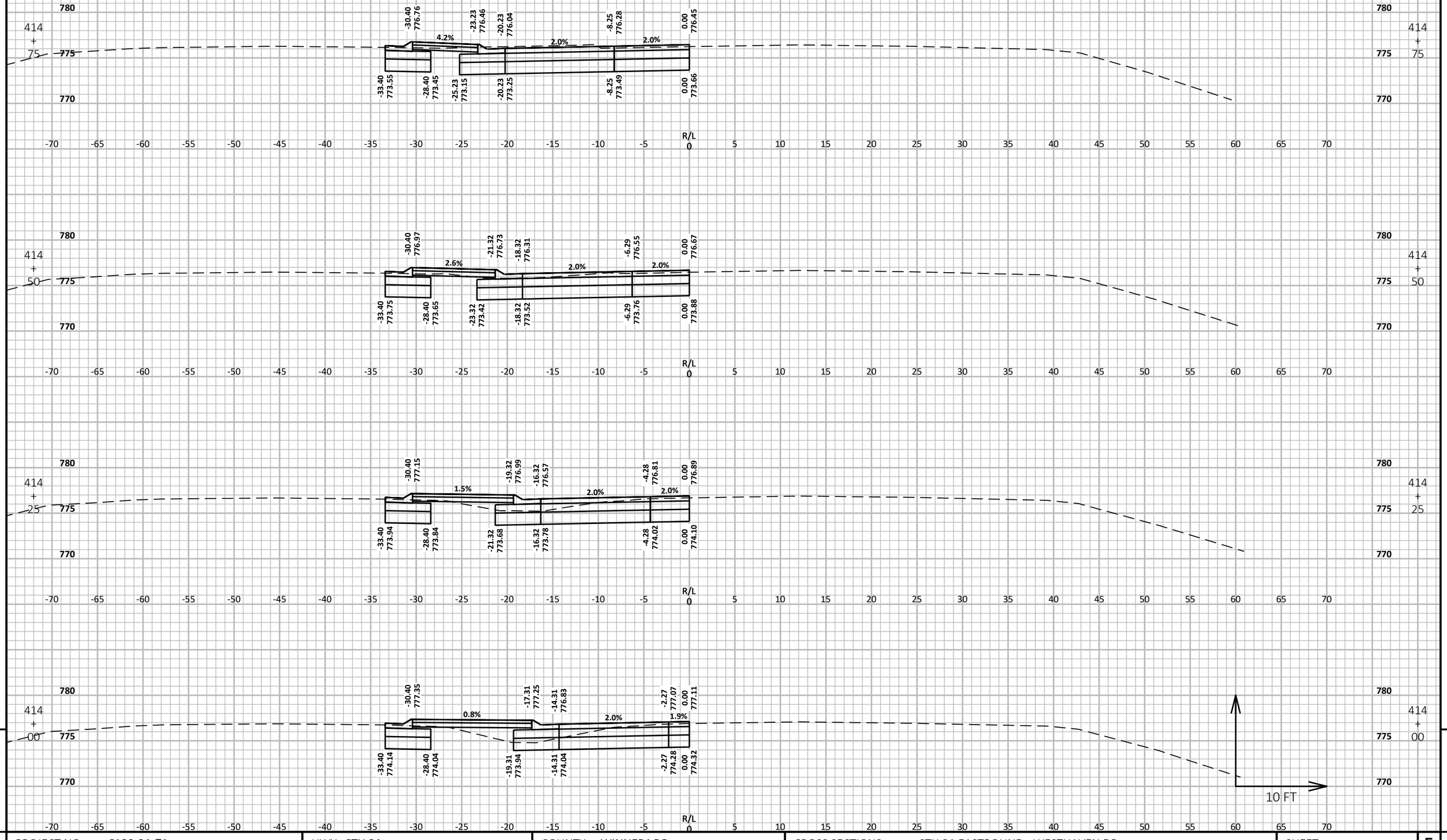
FILE NAME : N:\3001455.00\CIVIL 3D\SHEETS\61803171-090301-XS.DWG
LAYOUT NAME - 61803171-090252-xs

PLOT DATE : 5/5/2025 2:28 PM

PLOT BY : MATT TOMSOVIC

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



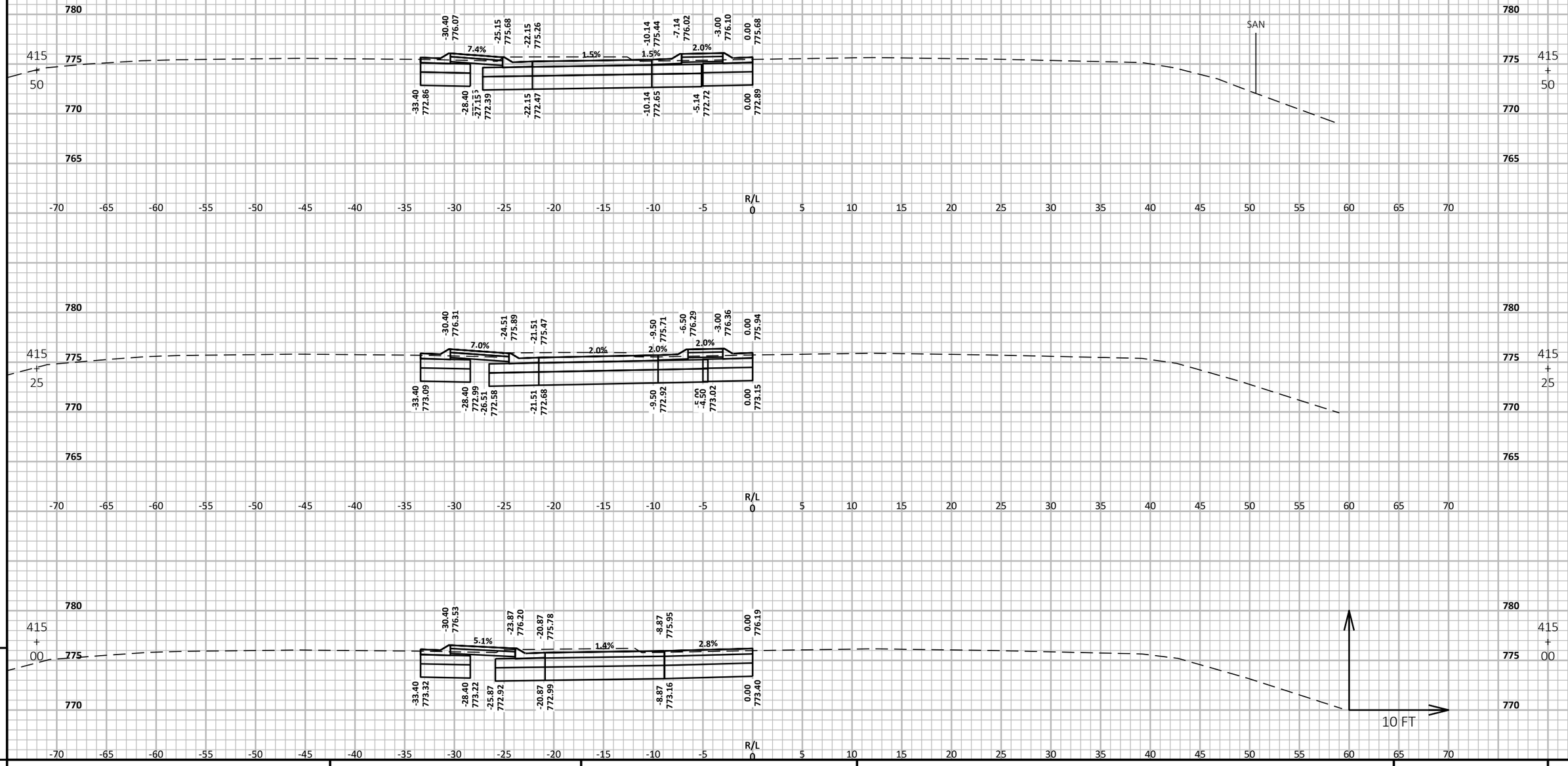
9

PROJECT NO: 6180-31-71	HWY: STH 21	COUNTY: WINNEBAGO	CROSS SECTIONS: STH 21 EASTBOUND - WESTHAVEN DR	SHEET 389	E

FILE NAME : N:\3001455.00\CIVIL 3D\SHEETS\61803171-090301-XS.DWG
LAYOUT NAME - 61803171-090253-xs

PLOT DATE : 5/5/2025 2:28 PM PLOT BY : MATT TOMSOVIC PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



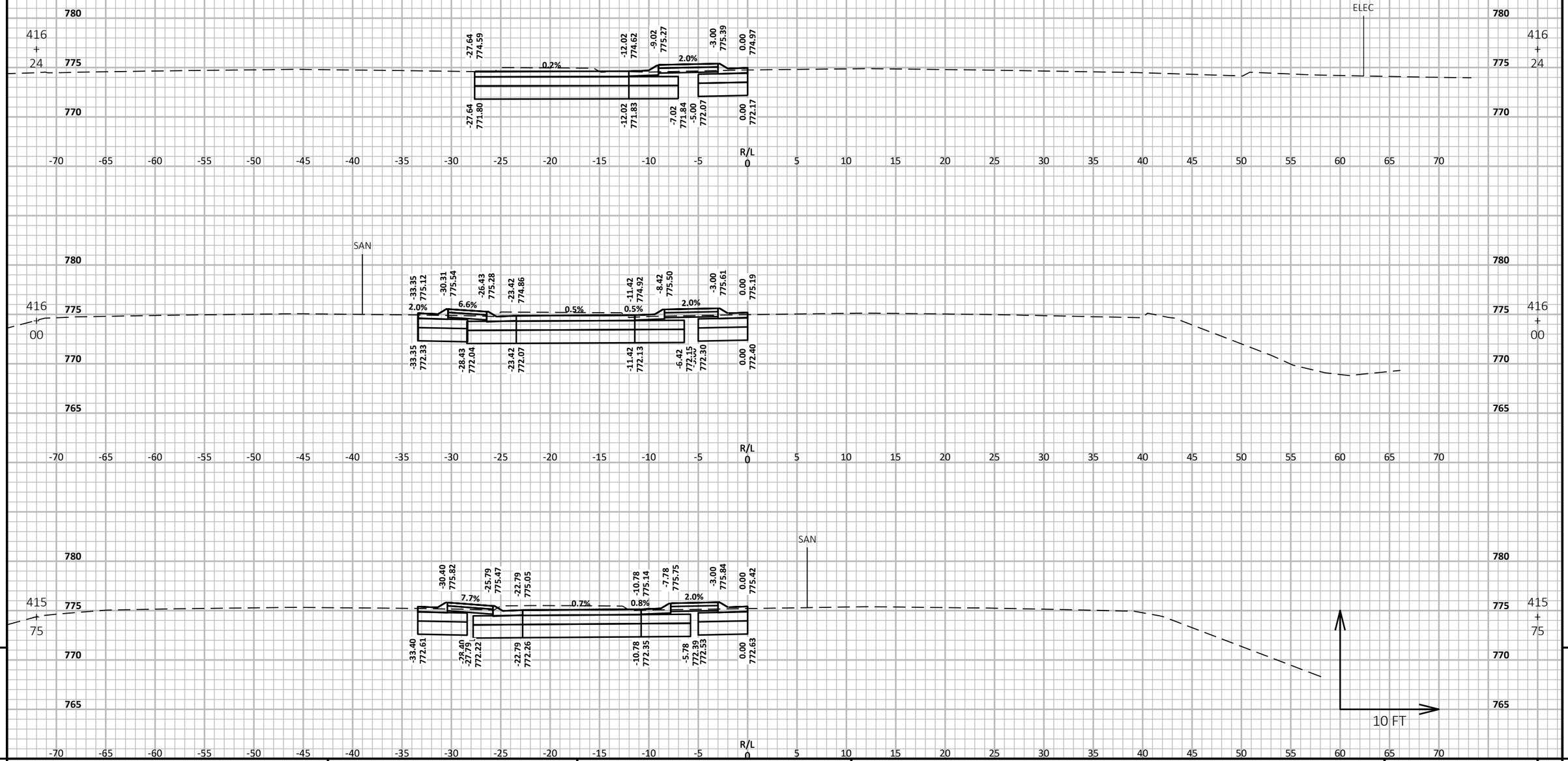
9

PROJECT NO: 6180-31-71	HWY: STH 21	COUNTY: WINNEBAGO	CROSS SECTIONS: STH 21 EASTBOUND - WESTHAVEN DR	SHEET 390	E

FILE NAME : N:\3001455.00\CIVIL 3D\SHEETS\61803171-090301-XS.DWG
LAYOUT NAME - 61803171-090254-xs

PLOT DATE : 5/5/2025 2:28 PM PLOT BY : MATT TOMSOVIC PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 6180-31-71	HWY: STH 21	COUNTY: WINNEBAGO	CROSS SECTIONS: STH 21 EASTBOUND - WESTHAVEN DR	SHEET 391 E

FILE NAME : N:\3001455.00\CIVIL 3D\SHEETS\61803171-090301-XS.DWG
LAYOUT NAME - 61803171-090255-xs

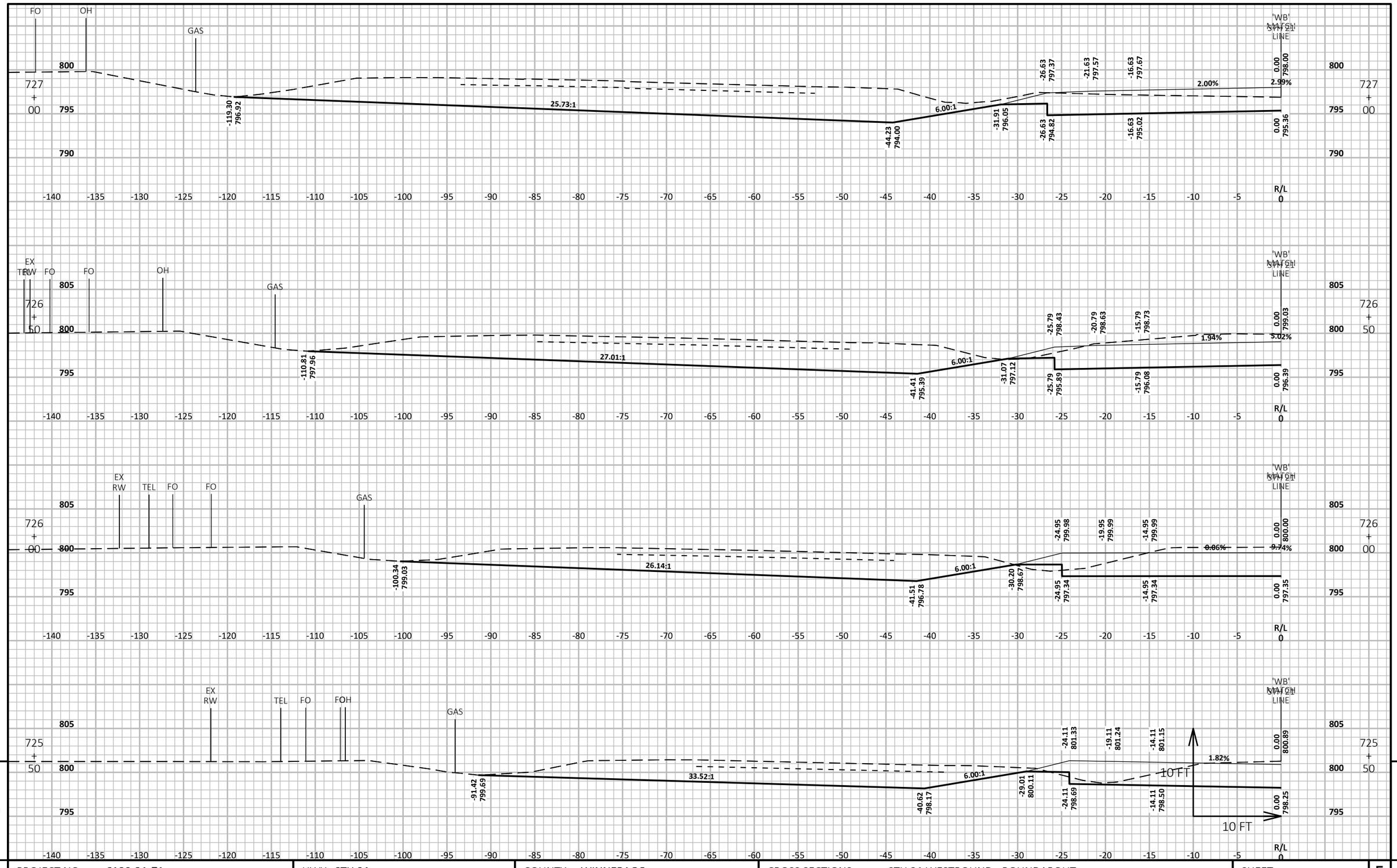
PLOT DATE : 5/5/2025 2:28 PM

PLOT BY : MATT TOMSOVIC

PLOT NAME :

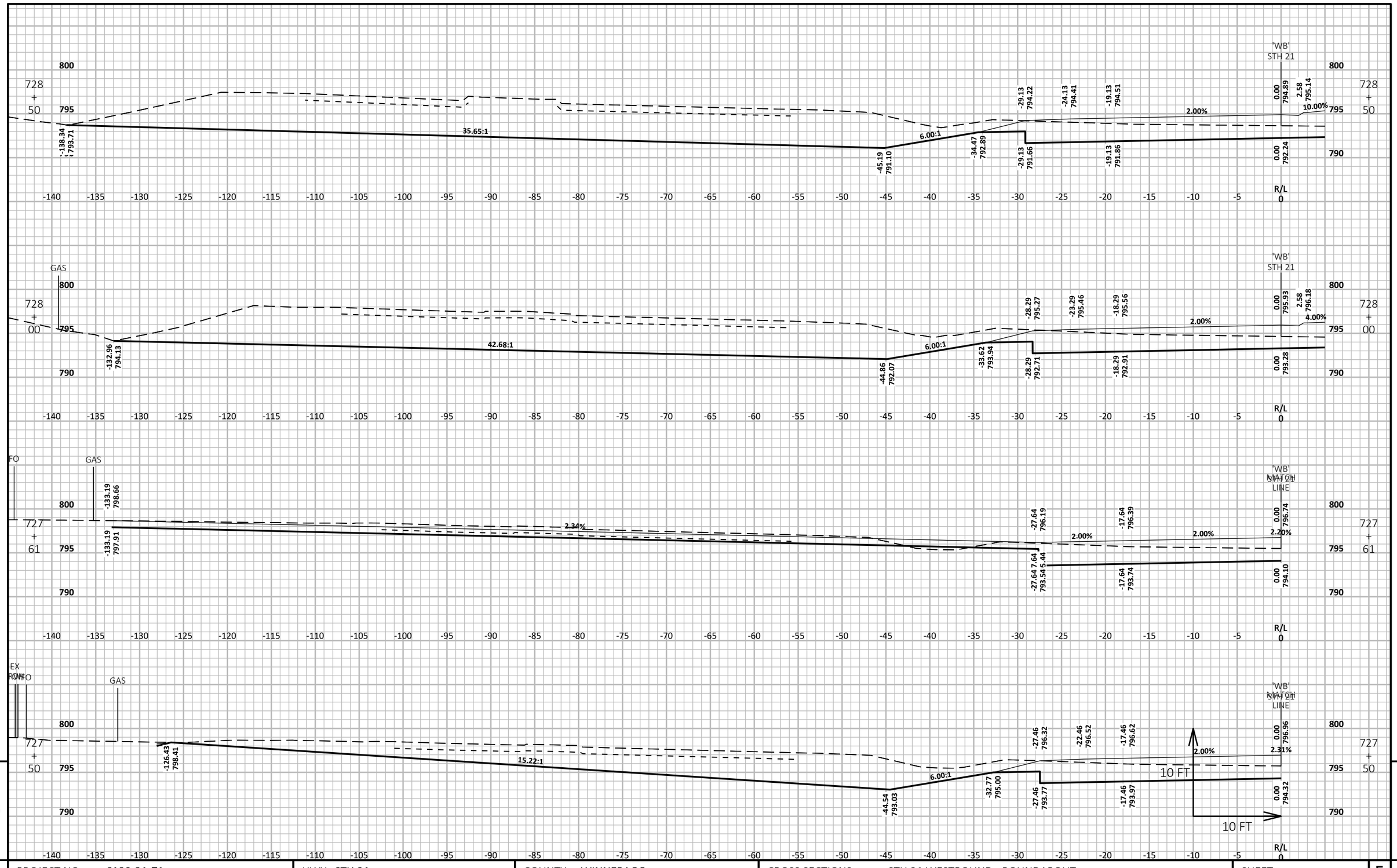
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

PROJECT NO: 6180-31-71	HWY: STH 21	COUNTY: WINNEBAGO	CROSS SECTIONS: STH 21 WESTBOUND - ROUNDABOUT	SHEET 392	E

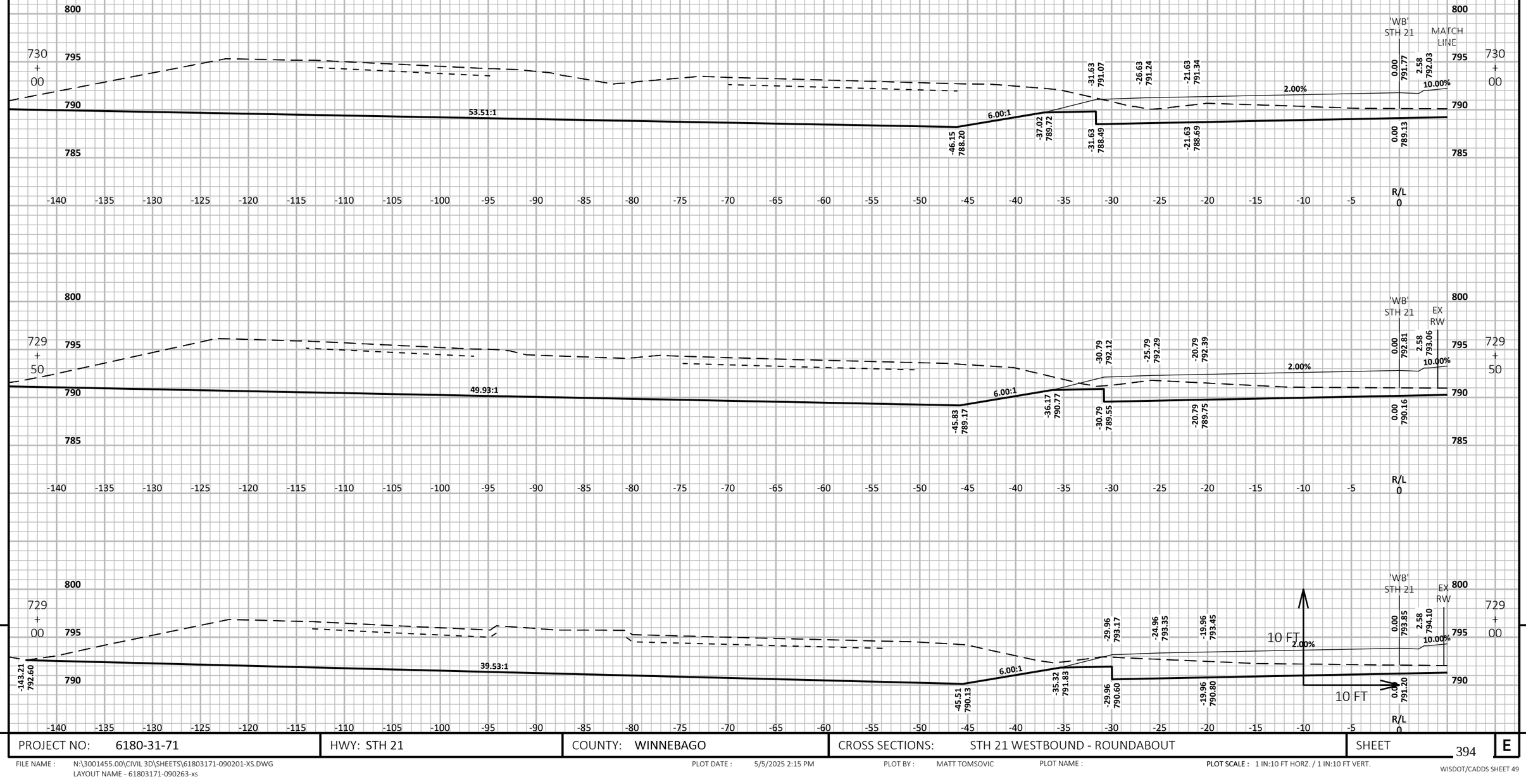


PROJECT NO: 6180-31-71	HWY: STH 21	COUNTY: WINNEBAGO	CROSS SECTIONS: STH 21 WESTBOUND - ROUNDABOUT	SHEET 393	E

FILE NAME : N:\3001455.00\CIVIL 3D\SHEETS\61803171-090201-XS.DWG
LAYOUT NAME - 61803171-090262-xs

PLOT DATE : 5/5/2025 2:15 PM PLOT BY : MATT TOMSOVIC PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



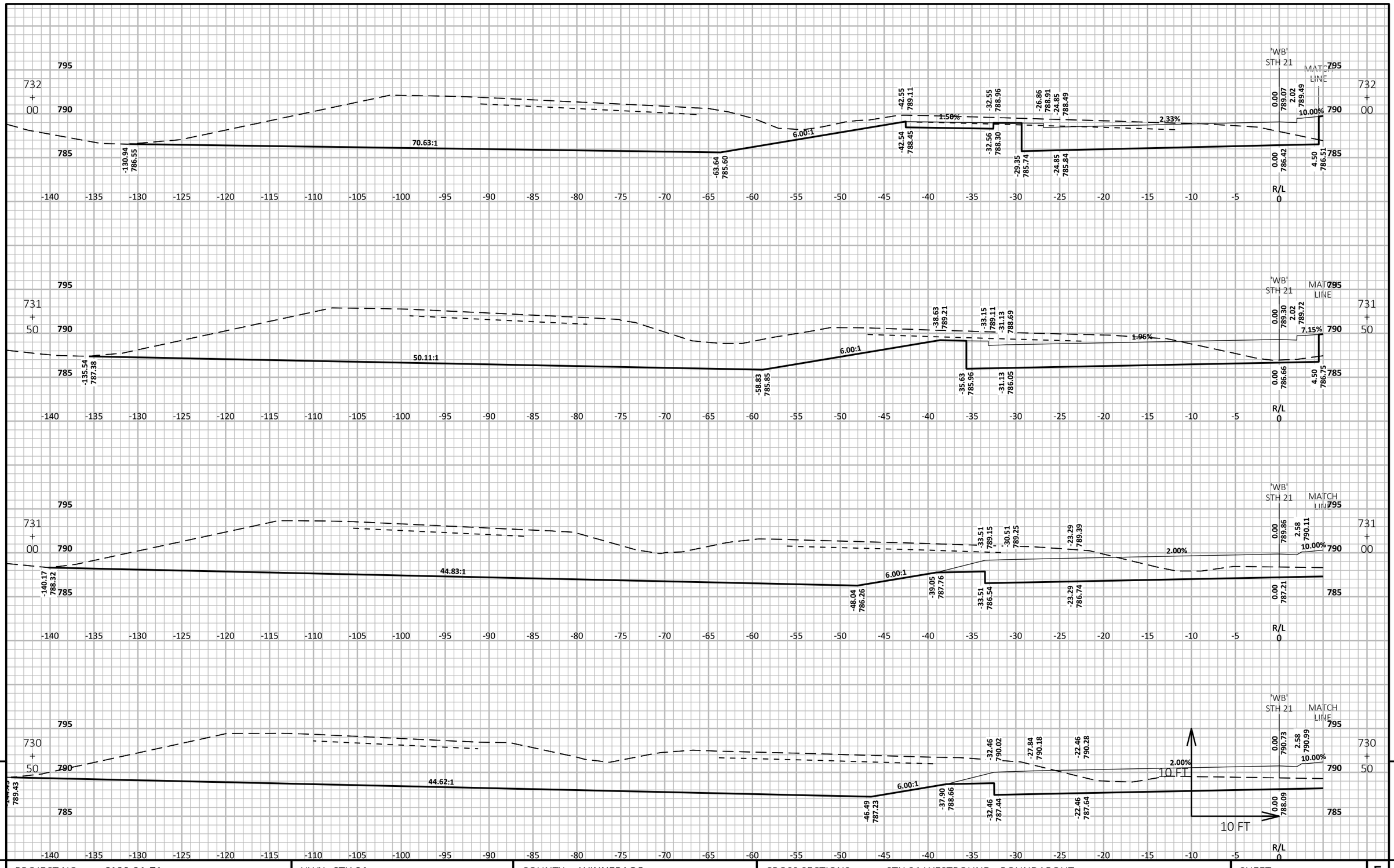
PROJECT NO: 6180-31-71	HWY: STH 21	COUNTY: WINNEBAGO	CROSS SECTIONS: STH 21 WESTBOUND - ROUNDABOUT	SHEET 394	E

FILE NAME : N:\3001455.00\CIVIL 3D\SHEETS\61803171-090201-XS.DWG
LAYOUT NAME - 61803171-090263-xs

PLOT DATE : 5/5/2025 2:15 PM PLOT BY : MATT TOMSOVIC PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 6180-31-71	HWY: STH 21	COUNTY: WINNEBAGO	CROSS SECTIONS: STH 21 WESTBOUND - ROUNDABOUT	SHEET 395	E

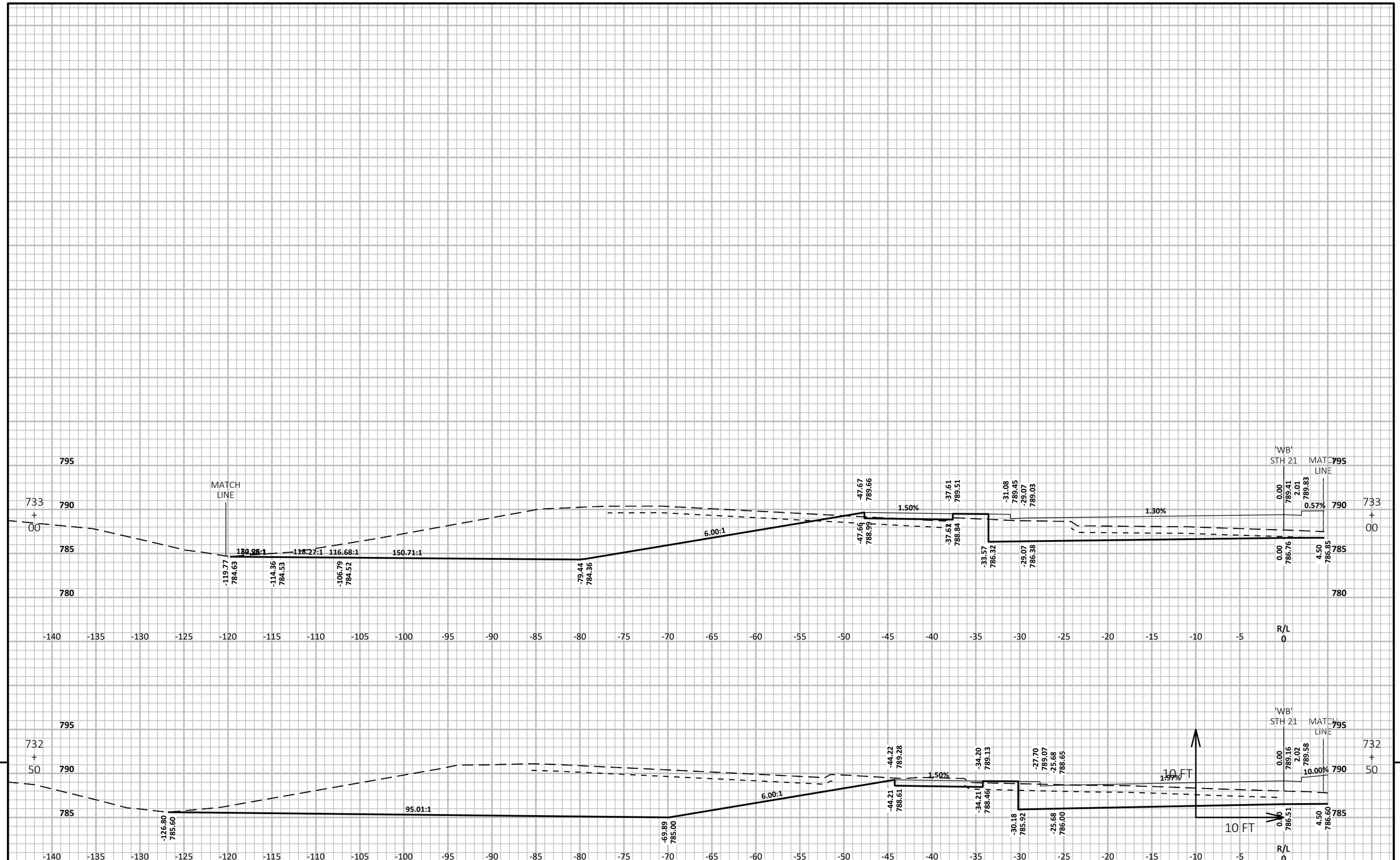
FILE NAME : N:\3001455.00\CIVIL 3D\SHEETS\61803171-090201-XS.DWG
LAYOUT NAME - 61803171-090264-xs

PLOT DATE : 5/5/2025 2:15 PM

PLOT BY : MATT TOMSOVIC

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



9

9

PROJECT NO: 6180-31-71	HWY: STH 21	COUNTY: WINNEBAGO	CROSS SECTIONS: STH 21 WESTBOUND - ROUNDABOUT	SHEET 396	E

FILE NAME : N:\3001455.00\CIVIL 3D\SHEETS\61803171-090201-XS.DWG
LAYOUT NAME - 61803171-090265-xs

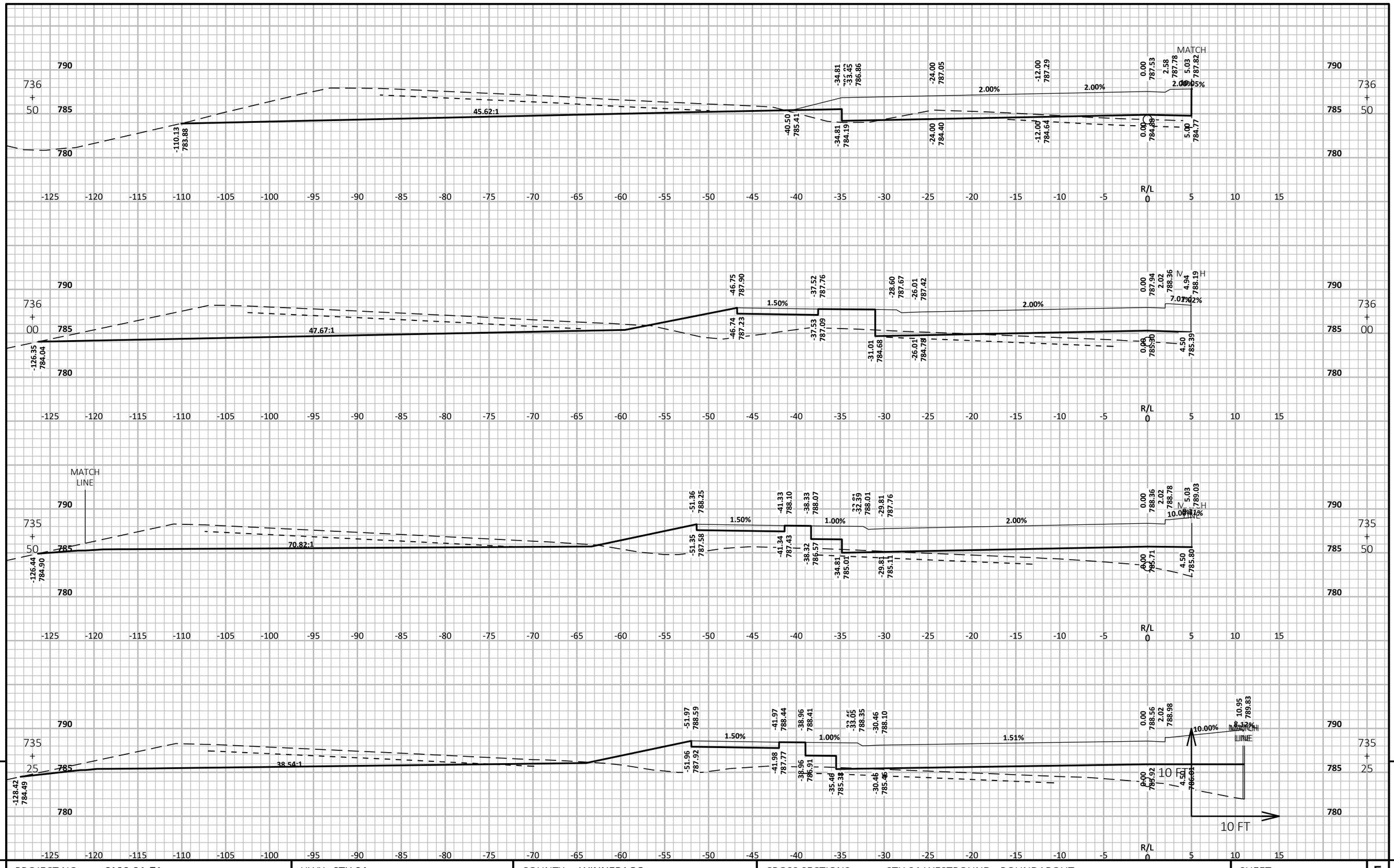
PLOT DATE : 5/5/2025 2:15 PM

PLOT BY : MATT TOMSOVIC

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

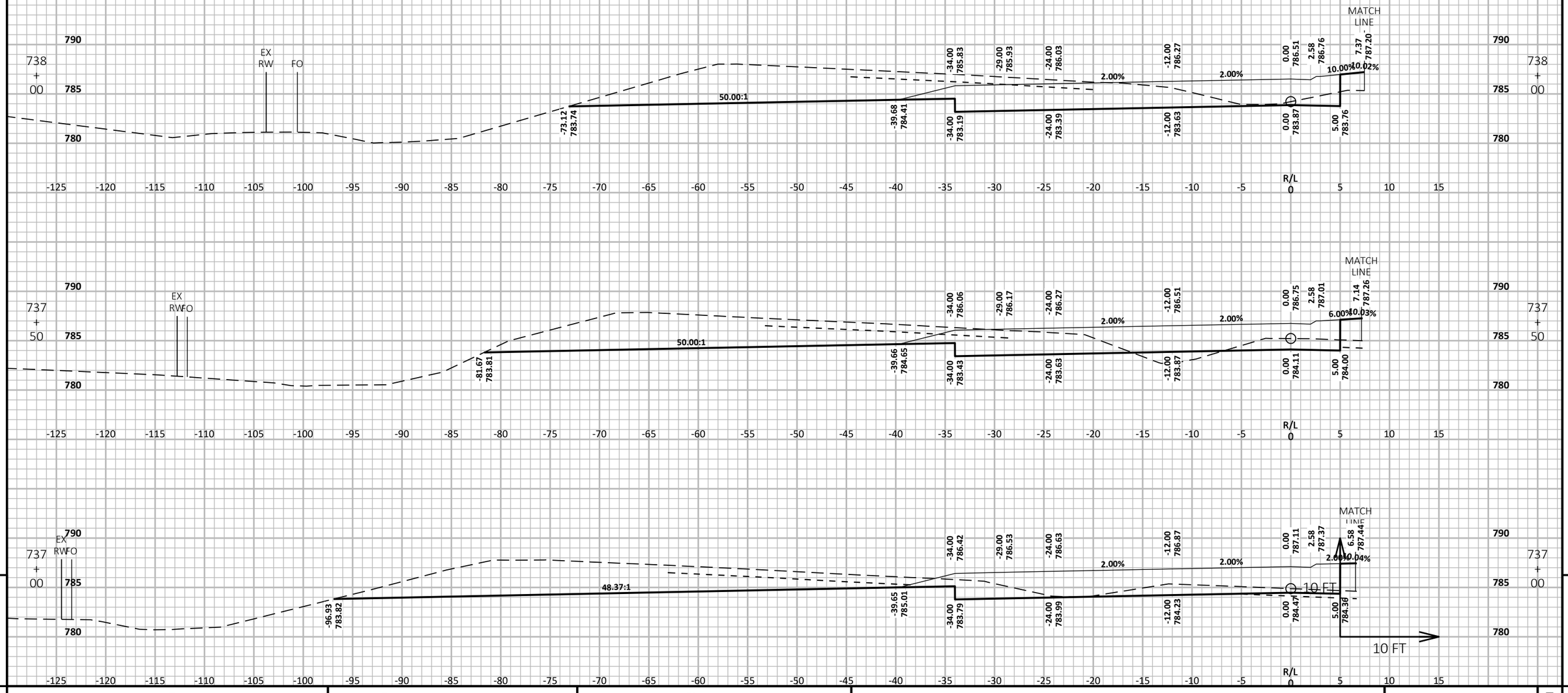
WISDOT/CADDS SHEET 49



PROJECT NO: 6180-31-71	HWY: STH 21	COUNTY: WINNEBAGO	CROSS SECTIONS: STH 21 WESTBOUND - ROUNDABOUT	SHEET 397	E

FILE NAME : N:\3001455.00\CIVIL 3D\SHEETS\61803171-090201-XS.DWG
LAYOUT NAME - 61803171-090271-xs

PLOT DATE : 5/5/2025 2:15 PM PLOT BY : MATT TOMSOVIC PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

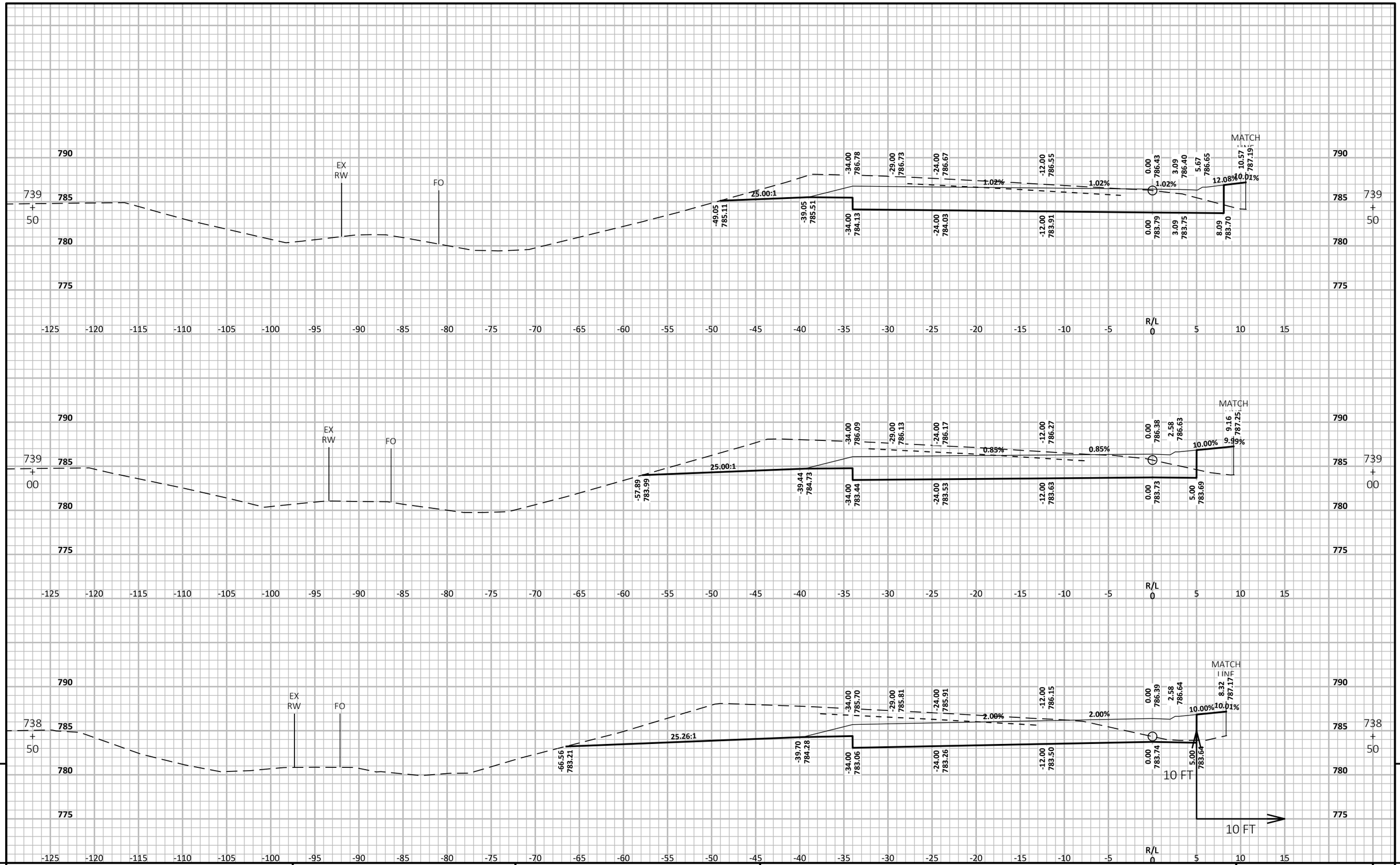


PROJECT NO: 6180-31-71	HWY: STH 21	COUNTY: WINNEBAGO	CROSS SECTIONS: STH 21 WESTBOUND - ROUNDABOUT	SHEET 398	E

FILE NAME : N:\3001455.00\CIVIL 3D\SHEETS\61803171-090201-XS.DWG
LAYOUT NAME - 61803171-090272-xs

PLOT DATE : 5/5/2025 2:15 PM PLOT BY : MATT TOMSOVIC PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 6180-31-71	HWY: STH 21	COUNTY: WINNEBAGO	CROSS SECTIONS: STH 21 WESTBOUND - ROUNDABOUT	SHEET 399	E

FILE NAME : N:\3001455.00\CIVIL 3D\SHEETS\61803171-090201-XS.DWG
LAYOUT NAME - 61803171-090273-xs

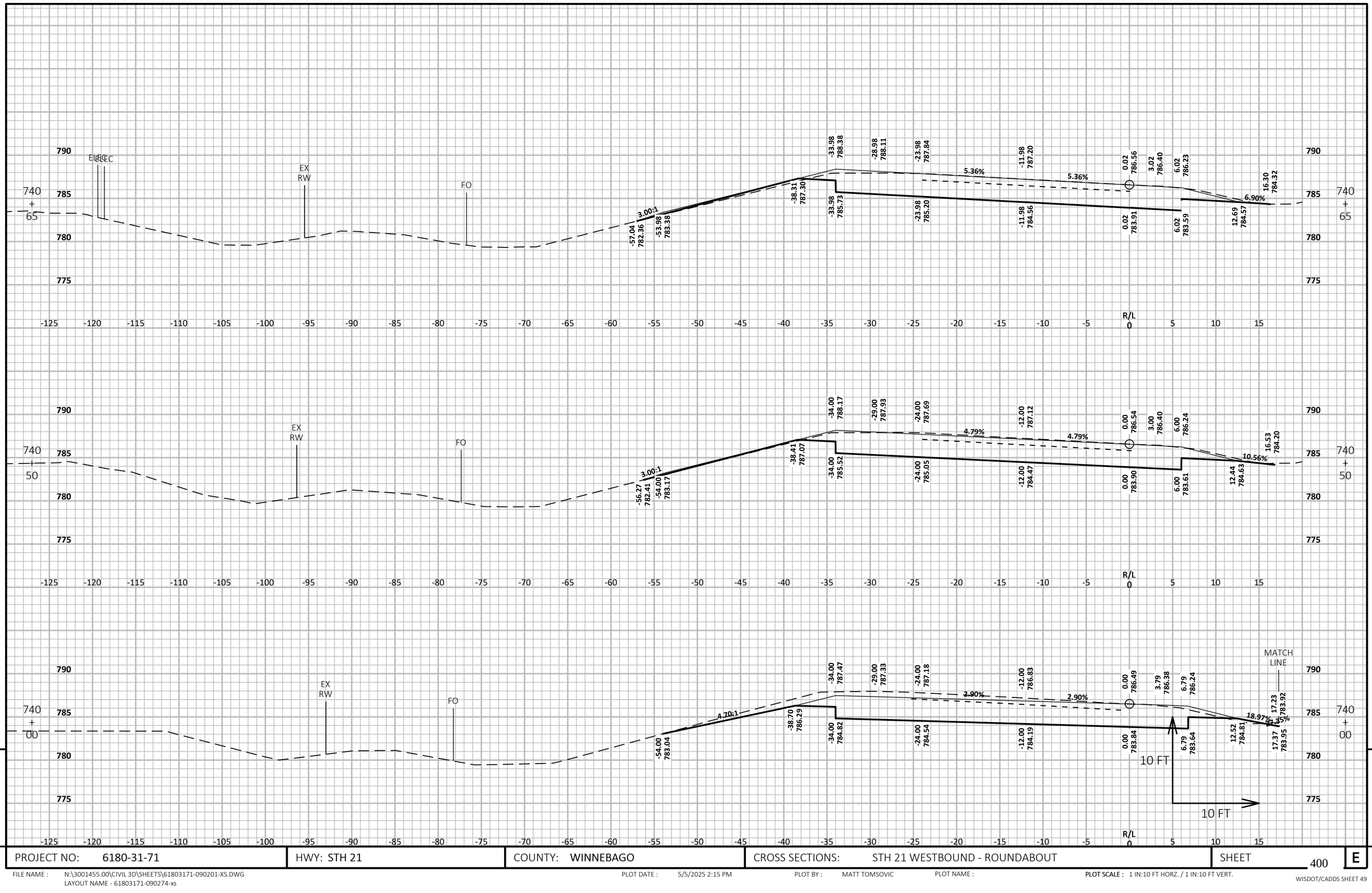
PLOT DATE : 5/5/2025 2:15 PM

PLOT BY : MATT TOMSOVIC

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 6180-31-71	HWY: STH 21	COUNTY: WINNEBAGO	CROSS SECTIONS: STH 21 WESTBOUND - ROUNDABOUT	SHEET 400	E

FILE NAME : N:\3001455.00\CIVIL 3D\SHEETS\61803171-090201-XS.DWG
LAYOUT NAME - 61803171-090274-xs

PLOT DATE : 5/5/2025 2:15 PM PLOT BY : MATT TOMSOVIC PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

752 + 00

785
780
775
770

-36.00
779.93
780.33
-32.00
10.0%
4.6%
4.6%
4.6%
2.5:1
-51.62
773.68

-85 -80 -75 -70 -65 -60 -55 -50 -45 -40 -35 -30 -25 -20 -15 -10 -5 R/L 0 5 10 15 20 25 30 35 40 45 50 55

751 + 50

EX RWV

-32.64
780.35
780.65
-29.63
-32.97
780.22
2.5:1
10.0%
4.6%
4.6%
4.6%

751 + 25

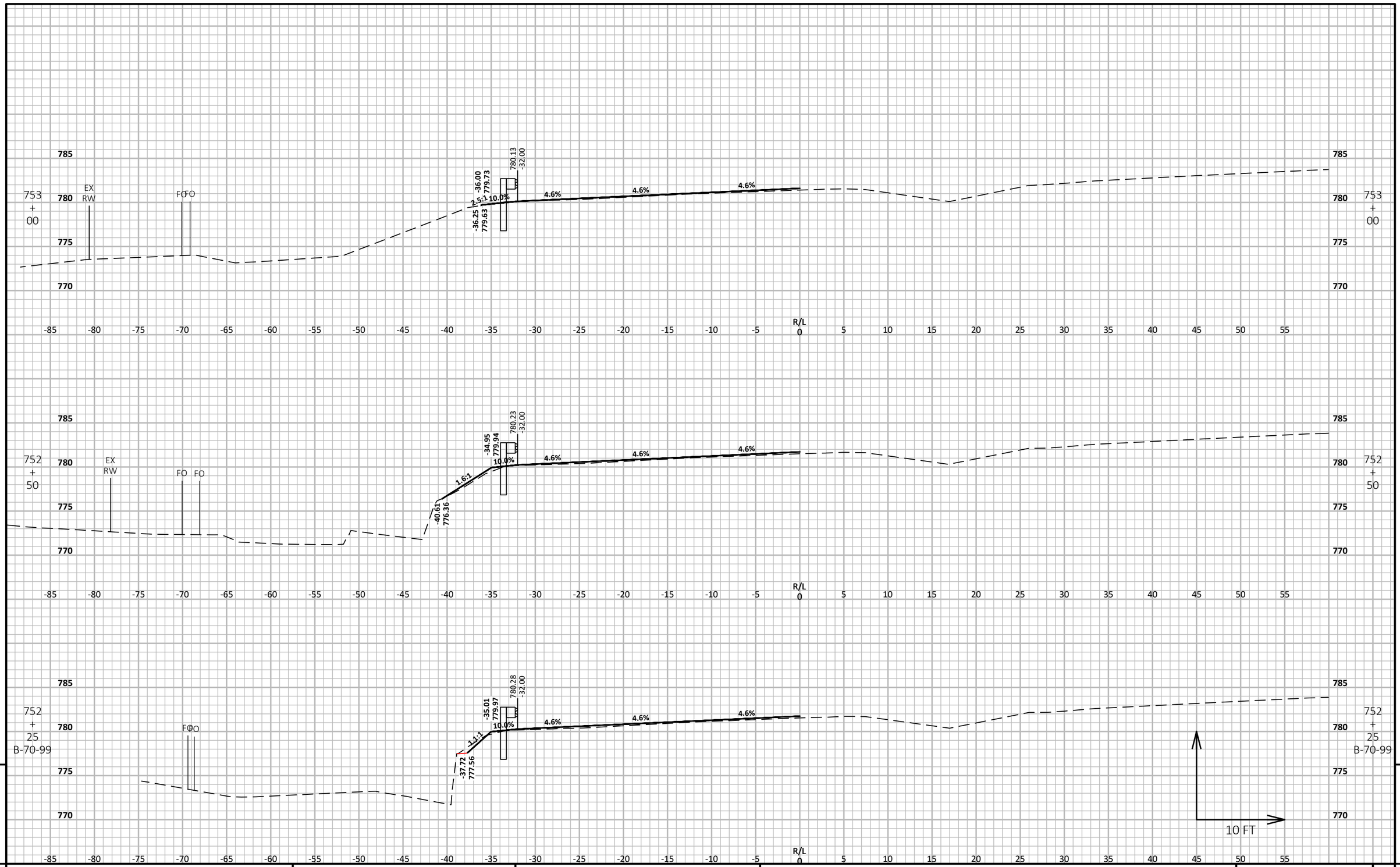
EX RWFO

-32.00
780.41
780.91
-27.00
-32.07
780.38
2.5:1
10.0%
4.6%
4.6%
4.6%
784.33
60.00
10 FT

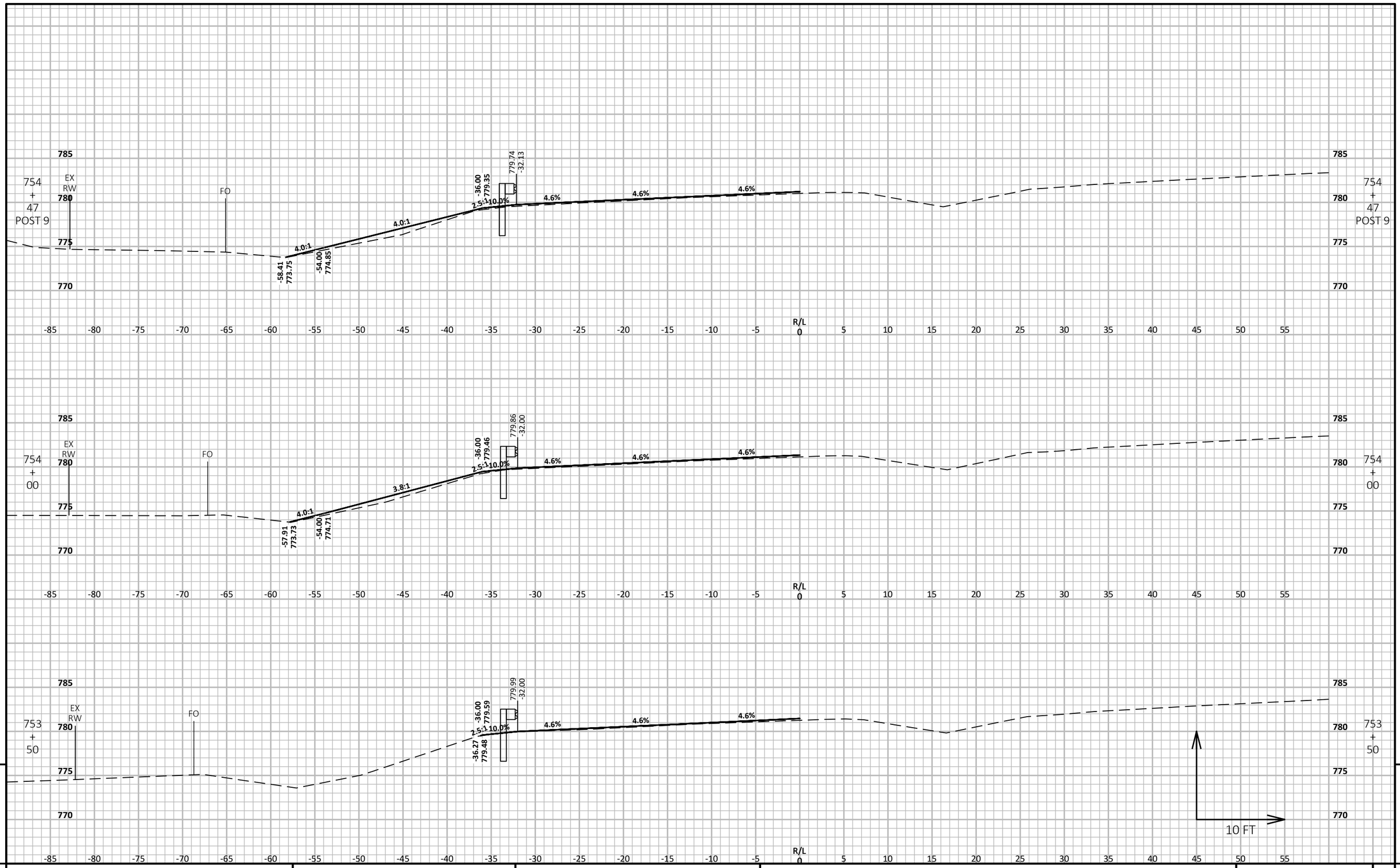
9

PROJECT NO: 6180-31-71	HWY: STH 21	COUNTY: WINNEBAGO	CROSS SECTIONS: STH 21 WESTBOUND - BEAMGUARD	SHEET 401	E

FILE NAME : N:\3001455.00\CIVIL 3D\SHEETS\61803171-090301-XS.DWG
LAYOUT NAME - 61803171-090281-xs
PLOT DATE : 5/5/2025 2:28 PM
PLOT BY : MATT TOMSOVIC
PLOT NAME :
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.
WISDOT/CADDS SHEET 49



PROJECT NO: 6180-31-71	HWY: STH 21	COUNTY: WINNEBAGO	CROSS SECTIONS: STH 21 WESTBOUND - BEAMGUARD	SHEET 402	E



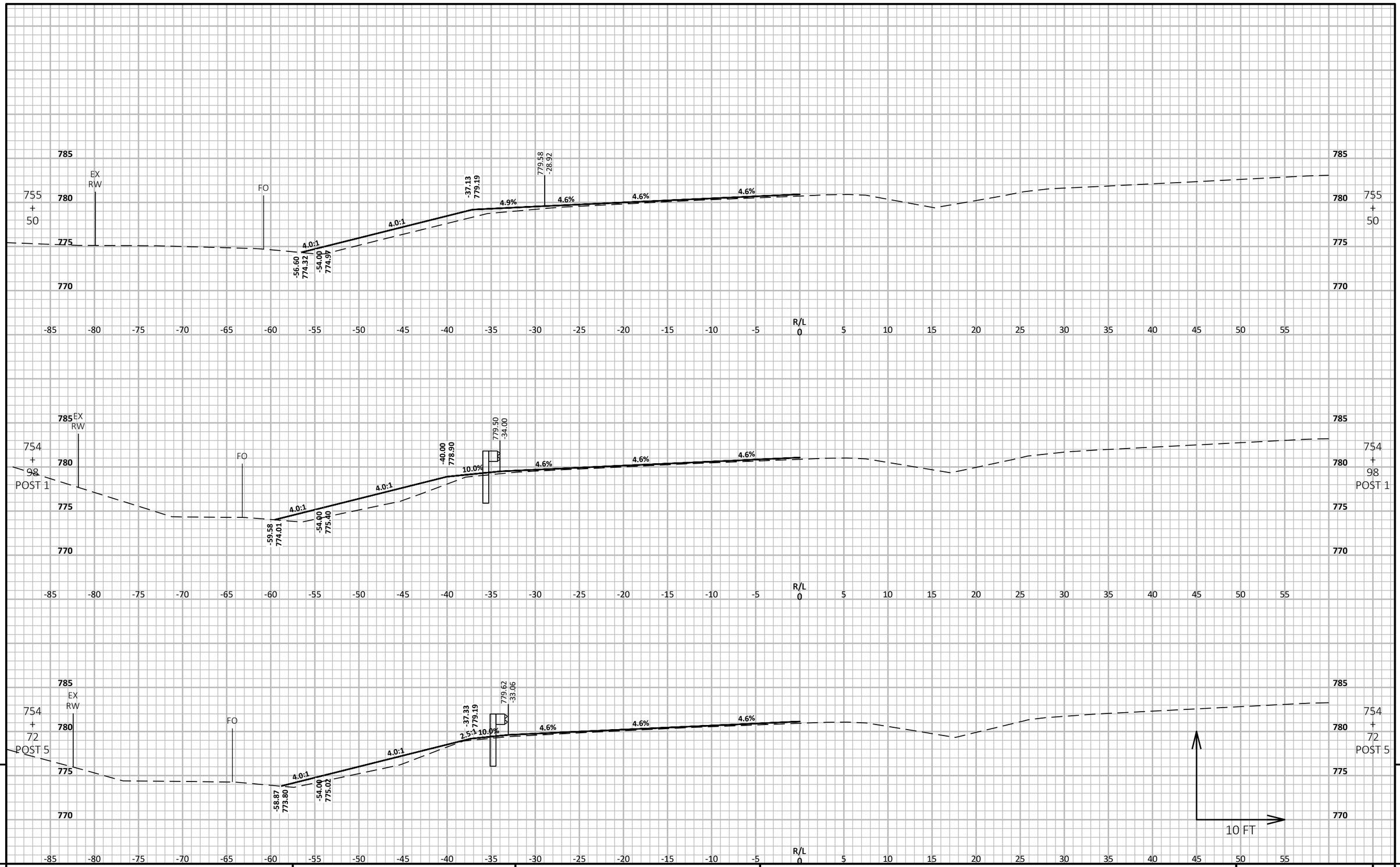
9

PROJECT NO: 6180-31-71	HWY: STH 21	COUNTY: WINNEBAGO	CROSS SECTIONS: STH 21 WESTBOUND - BEAMGUARD	SHEET 403	E

FILE NAME : N:\3001455.00\CIVIL 3D\SHEETS\61803171-090301-XS.DWG
LAYOUT NAME - 61803171-090283-xs

PLOT DATE : 5/5/2025 2:28 PM PLOT BY : MATT TOMSOVIC PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



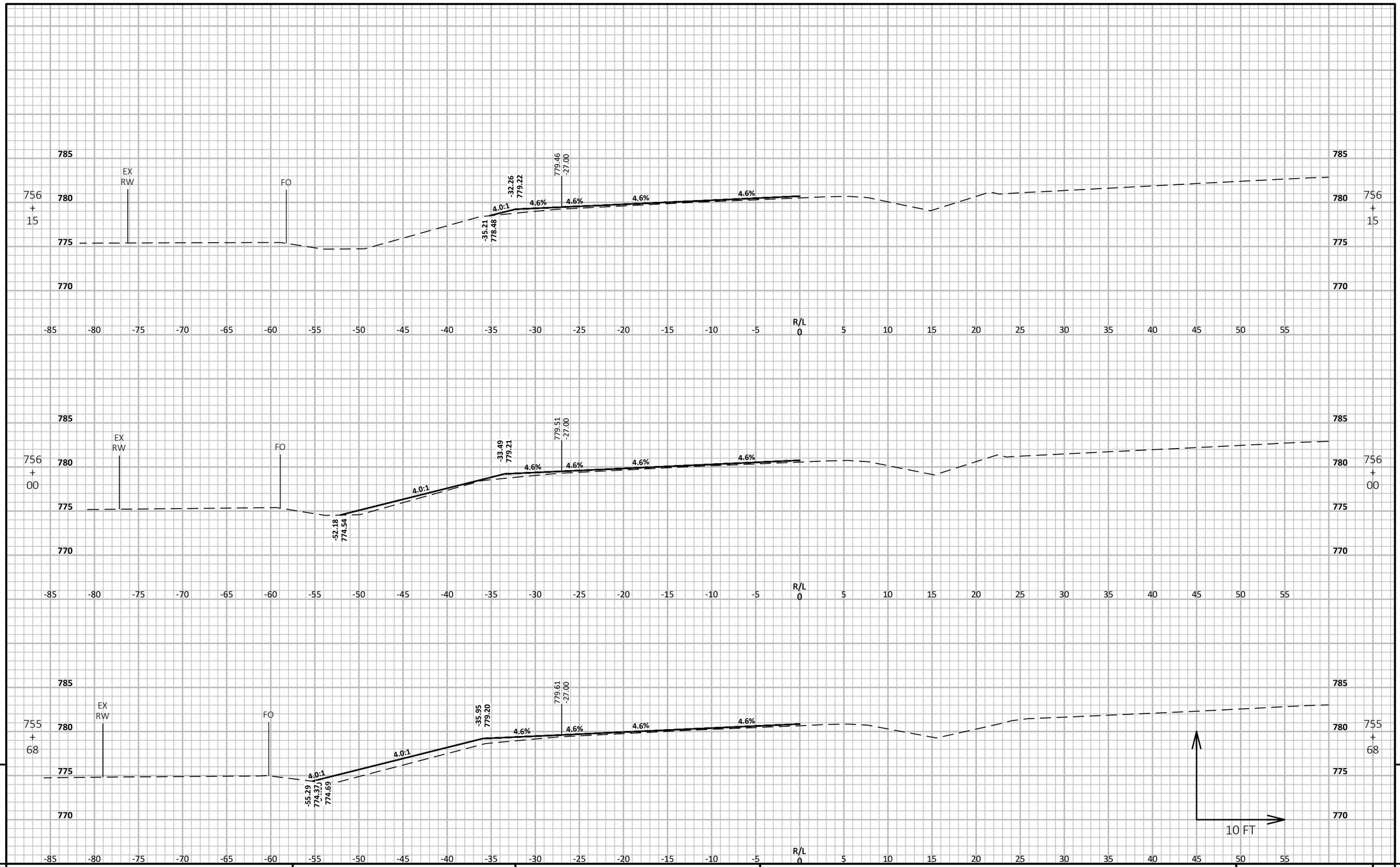
9

PROJECT NO: 6180-31-71	HWY: STH 21	COUNTY: WINNEBAGO	CROSS SECTIONS: STH 21 WESTBOUND - BEAMGUARD	SHEET 404	E

FILE NAME : N:\3001455.00\CIVIL 3D\SHEETS\61803171-090301-XS.DWG
LAYOUT NAME - 61803171-090284-xs

PLOT DATE : 5/5/2025 2:28 PM PLOT BY : MATT TOMSOVIC PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



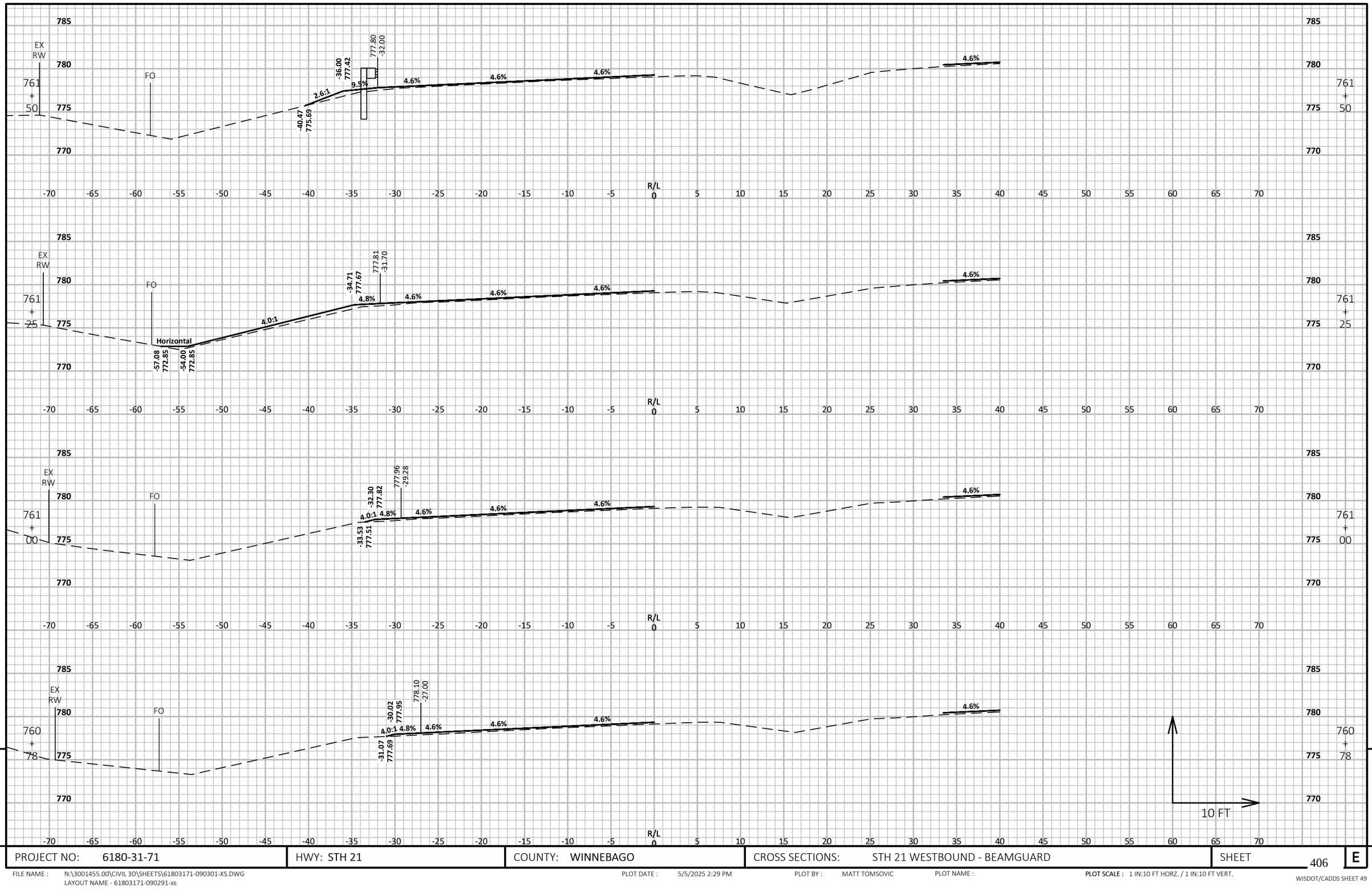
9

PROJECT NO: 6180-31-71	HWY: STH 21	COUNTY: WINNEBAGO	CROSS SECTIONS: STH 21 WESTBOUND - BEAMGUARD	SHEET 405	E

FILE NAME : N:\3001455.00\CIVIL 3D\SHEETS\61803171-090301-XS.DWG
LAYOUT NAME - 61803171-090285-xs

PLOT DATE : 5/5/2025 2:28 PM PLOT BY : MATT TOMSOVIC PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



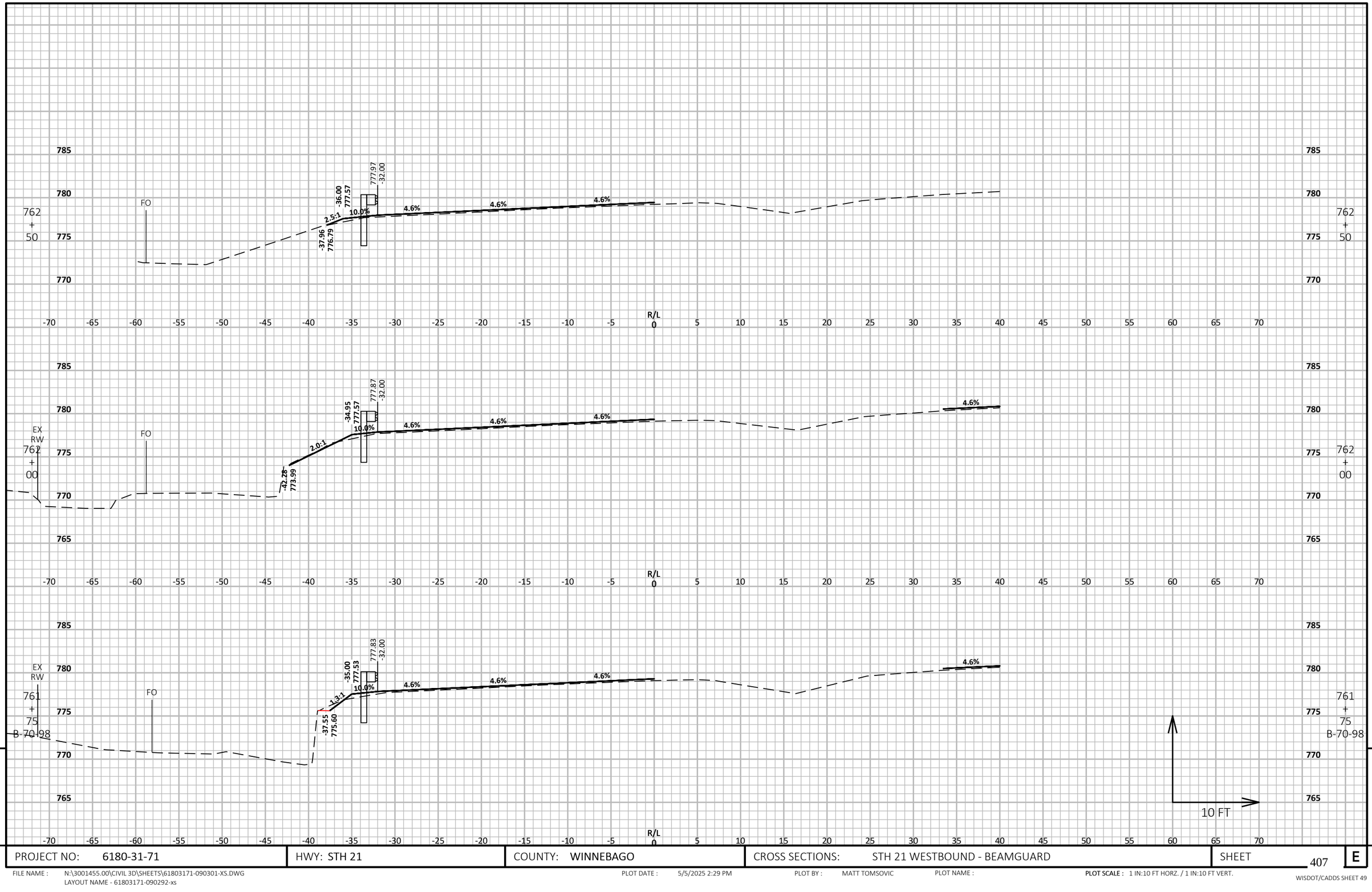
9

PROJECT NO: 6180-31-71	HWY: STH 21	COUNTY: WINNEBAGO	CROSS SECTIONS: STH 21 WESTBOUND - BEAMGUARD	SHEET 406	E

FILE NAME : N:\3001455.00\CIVIL 3D\SHEETS\61803171-090301-XS.DWG
LAYOUT NAME - 61803171-090291-xs

PLOT DATE : 5/5/2025 2:29 PM PLOT BY : MATT TOMSOVIC PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



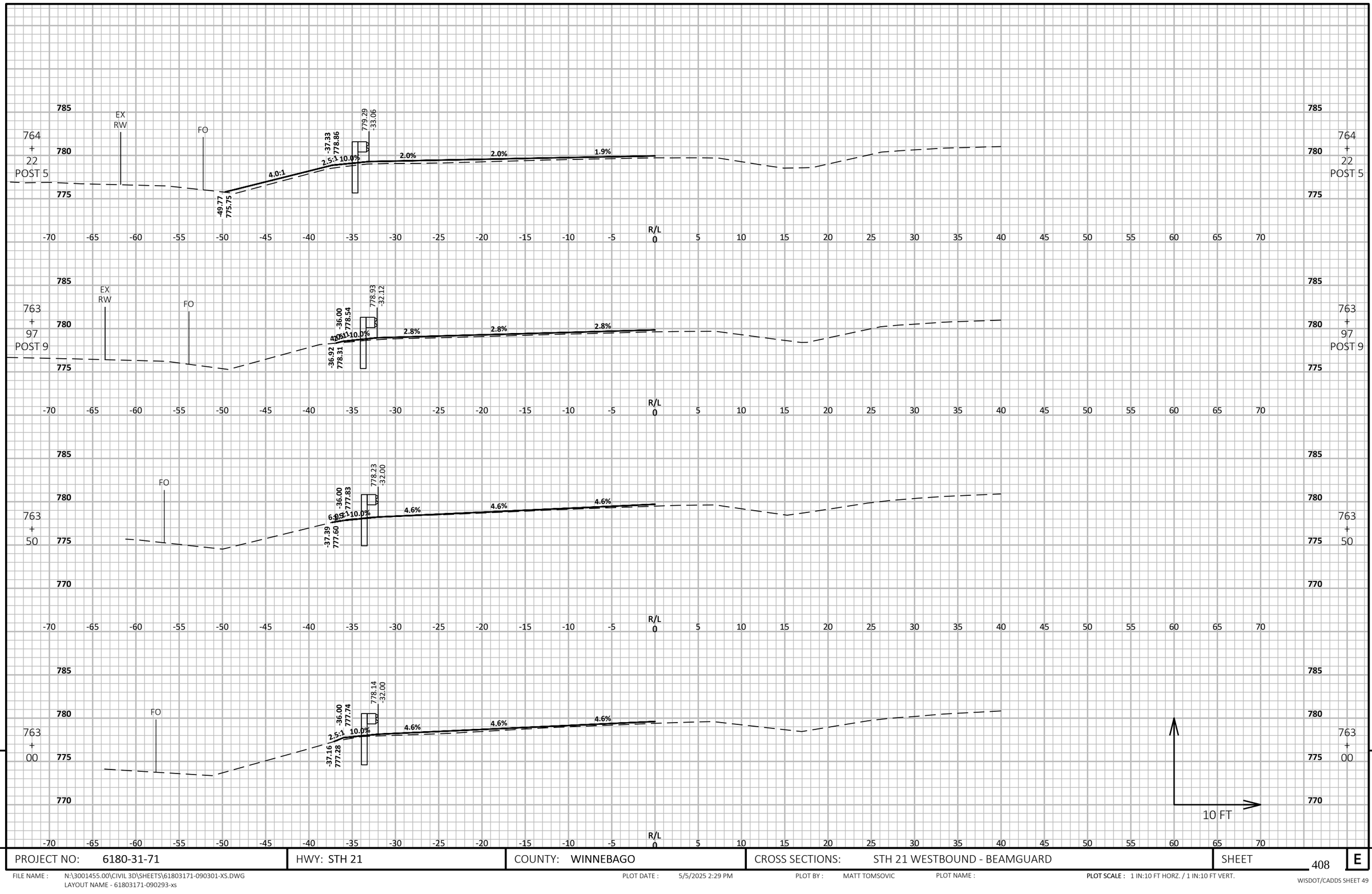
9

PROJECT NO: 6180-31-71	HWY: STH 21	COUNTY: WINNEBAGO	CROSS SECTIONS: STH 21 WESTBOUND - BEAMGUARD	SHEET 407	E

FILE NAME : N:\3001455.00\CIVIL 3D\SHEETS\61803171-090301-XS.DWG
LAYOUT NAME - 61803171-090292-xs

PLOT DATE : 5/5/2025 2:29 PM PLOT BY : MATT TOMSOVIC PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

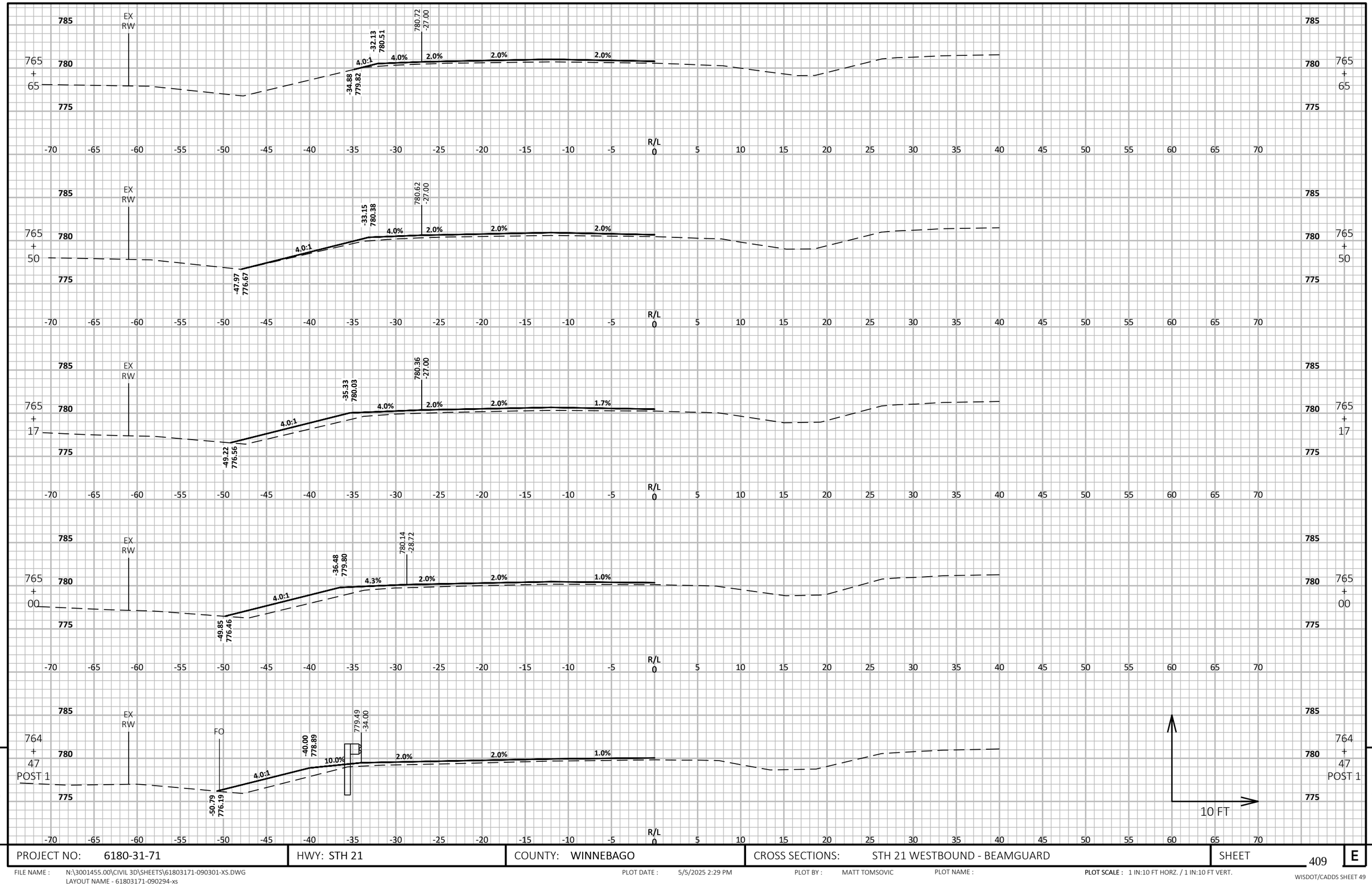
9

PROJECT NO: 6180-31-71	HWY: STH 21	COUNTY: WINNEBAGO	CROSS SECTIONS: STH 21 WESTBOUND - BEAMGUARD	SHEET 408	E

FILE NAME : N:\3001455.00\CIVIL 3D\SHEETS\61803171-090301-XS.DWG
LAYOUT NAME - 61803171-090293-xs

PLOT DATE : 5/5/2025 2:29 PM PLOT BY : MATT TOMSOVIC PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



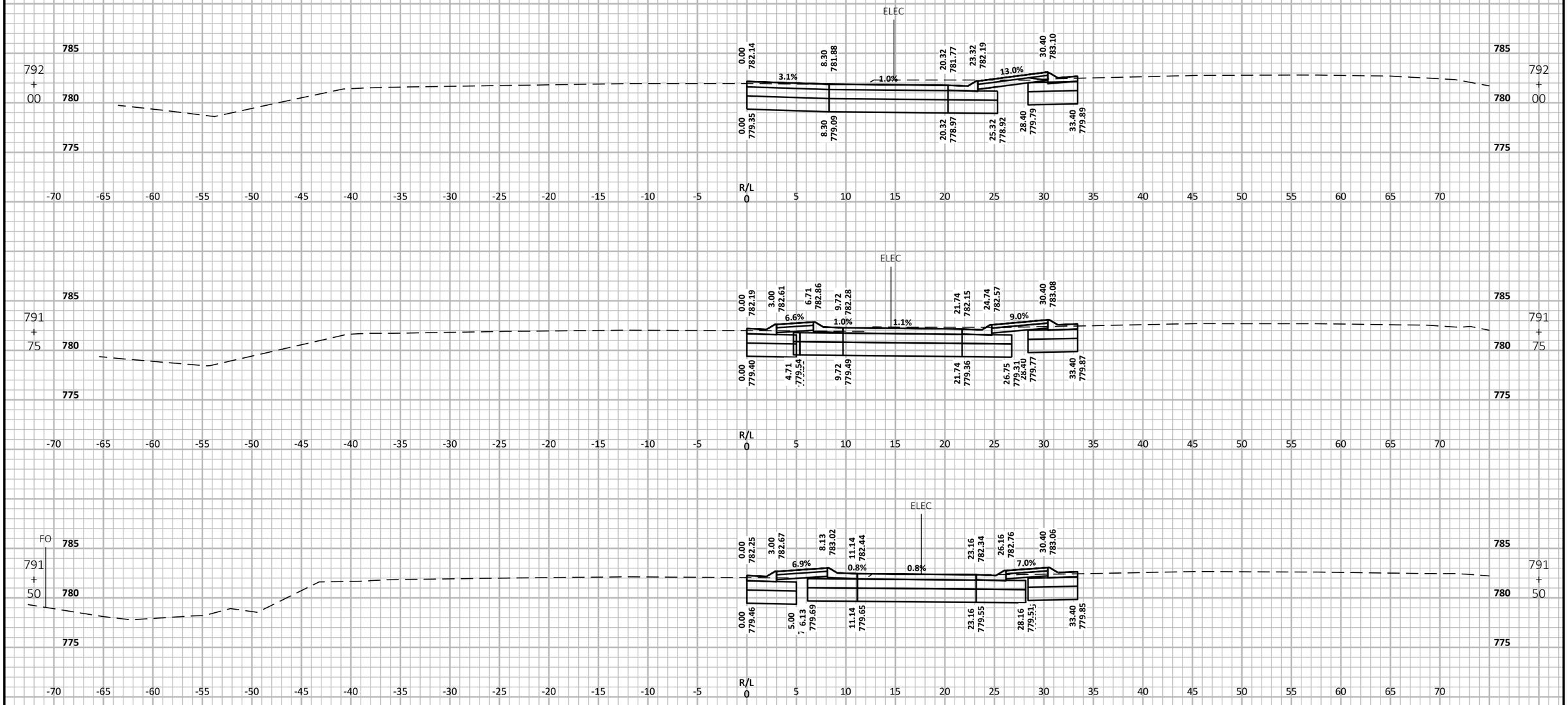
9

PROJECT NO: 6180-31-71	HWY: STH 21	COUNTY: WINNEBAGO	CROSS SECTIONS: STH 21 WESTBOUND - BEAMGUARD	SHEET 409	E

FILE NAME : N:\3001455.00\CIVIL 3D\SHEETS\61803171-090301-XS.DWG
LAYOUT NAME - 61803171-090294-xs

PLOT DATE : 5/5/2025 2:29 PM PLOT BY : MATT TOMSOVIC PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



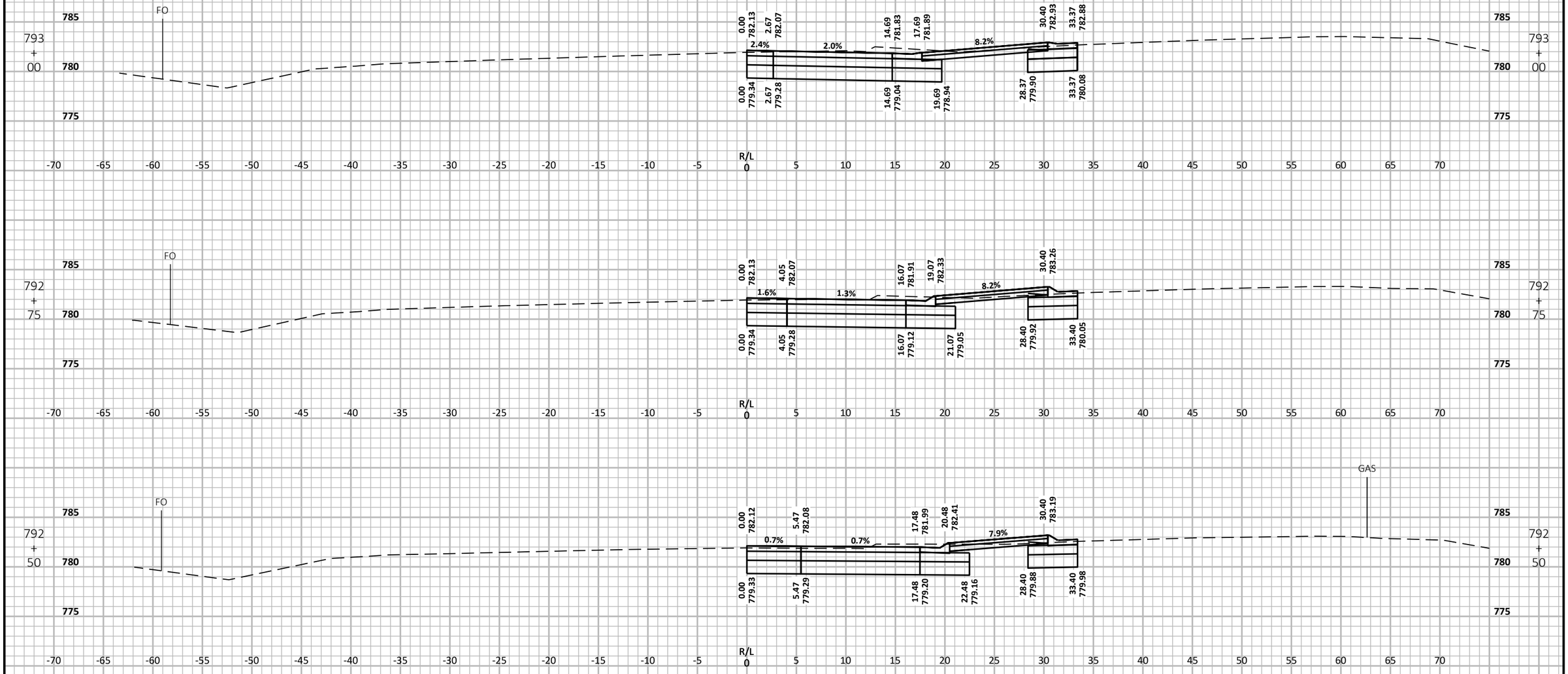
9

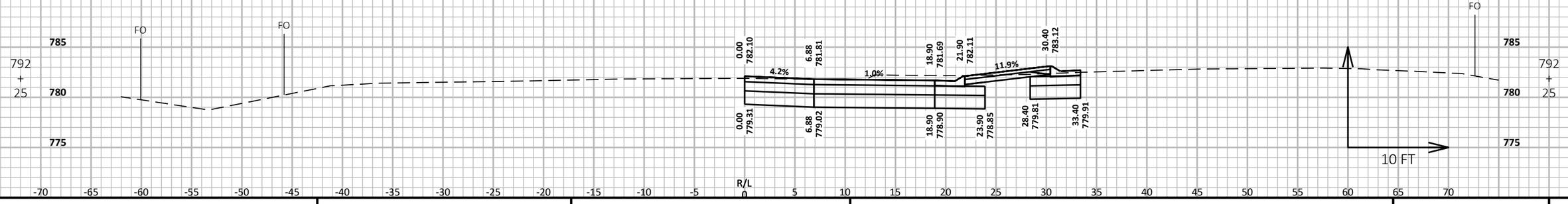
PROJECT NO: 6180-31-71	HWY: STH 21	COUNTY: WINNEBAGO	CROSS SECTIONS: STH 21 WESTBOUND - OAKWOOD RD	SHEET 410	E

FILE NAME : N:\3001455.00\CIVIL 3D\SHEETS\61803171-090301-XS.DWG
LAYOUT NAME - 61803171-090301-xs

PLOT DATE : 5/5/2025 2:29 PM PLOT BY : MATT TOMSOVIC PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49





9

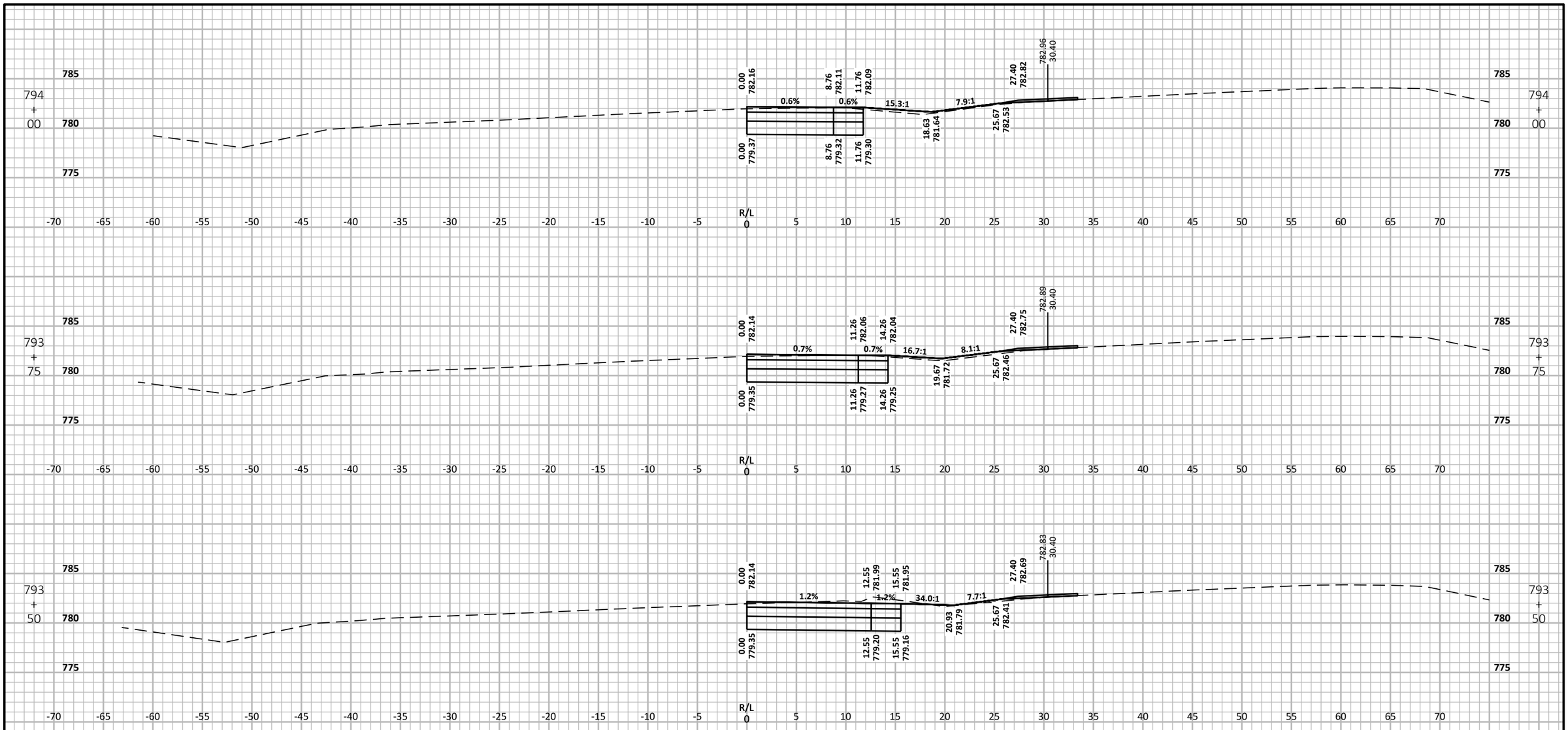
9

PROJECT NO: 6180-31-71	HWY: STH 21	COUNTY: WINNEBAGO	CROSS SECTIONS: STH 21 WESTBOUND - OAKWOOD RD	SHEET 411	E

FILE NAME : N:\3001455.00\CIVIL 3D\SHEETS\61803171-090301-XS.DWG
LAYOUT NAME - 61803171-090302-xs

PLOT DATE : 5/5/2025 2:29 PM PLOT BY : MATT TOMSOVIC PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

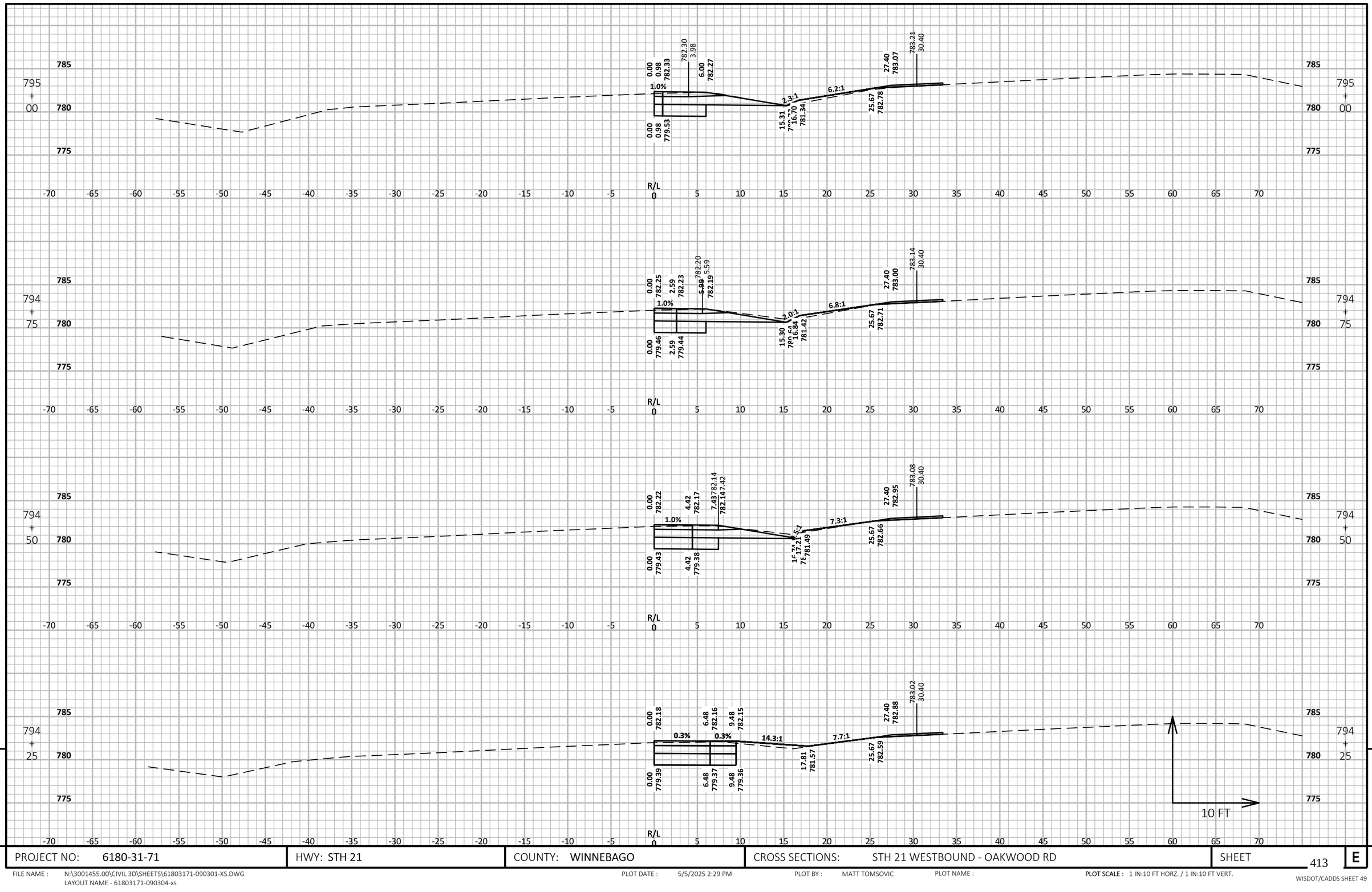
9

PROJECT NO: 6180-31-71	HWY: STH 21	COUNTY: WINNEBAGO	CROSS SECTIONS: STH 21 WESTBOUND - OAKWOOD RD	SHEET 412	E

FILE NAME : N:\3001455.00\CIVIL 3D\SHEETS\61803171-090301-XS.DWG
LAYOUT NAME - 61803171-090303-xs

PLOT DATE : 5/5/2025 2:29 PM PLOT BY : MATT TOMSOVIC PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

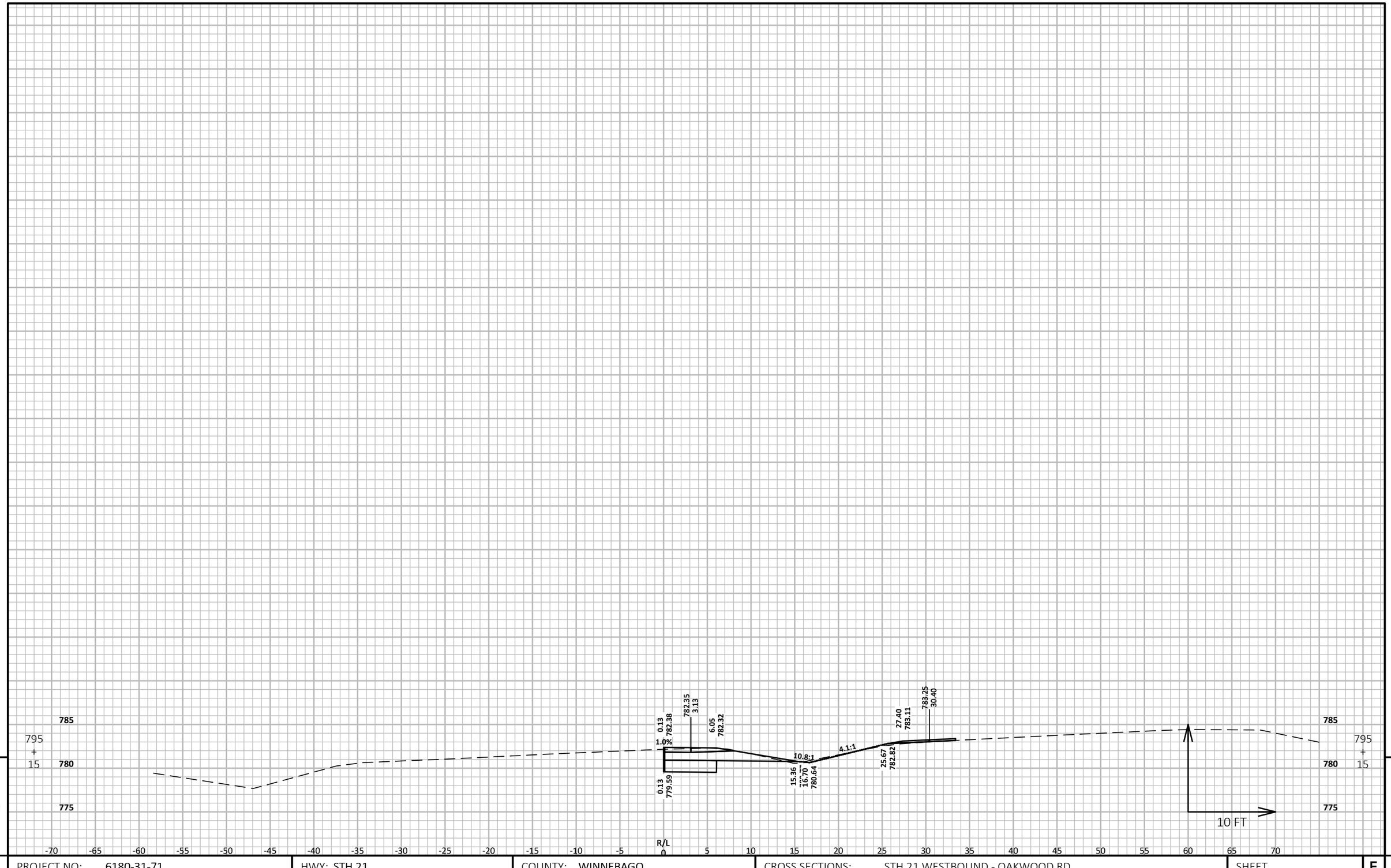


PROJECT NO: 6180-31-71	HWY: STH 21	COUNTY: WINNEBAGO	CROSS SECTIONS: STH 21 WESTBOUND - OAKWOOD RD	SHEET 413	E

FILE NAME : N:\3001455.00\CIVIL 3D\SHEETS\61803171-090301-XS.DWG
LAYOUT NAME - 61803171-090304-xs

PLOT DATE : 5/5/2025 2:29 PM PLOT BY : MATT TOMSOVIC PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



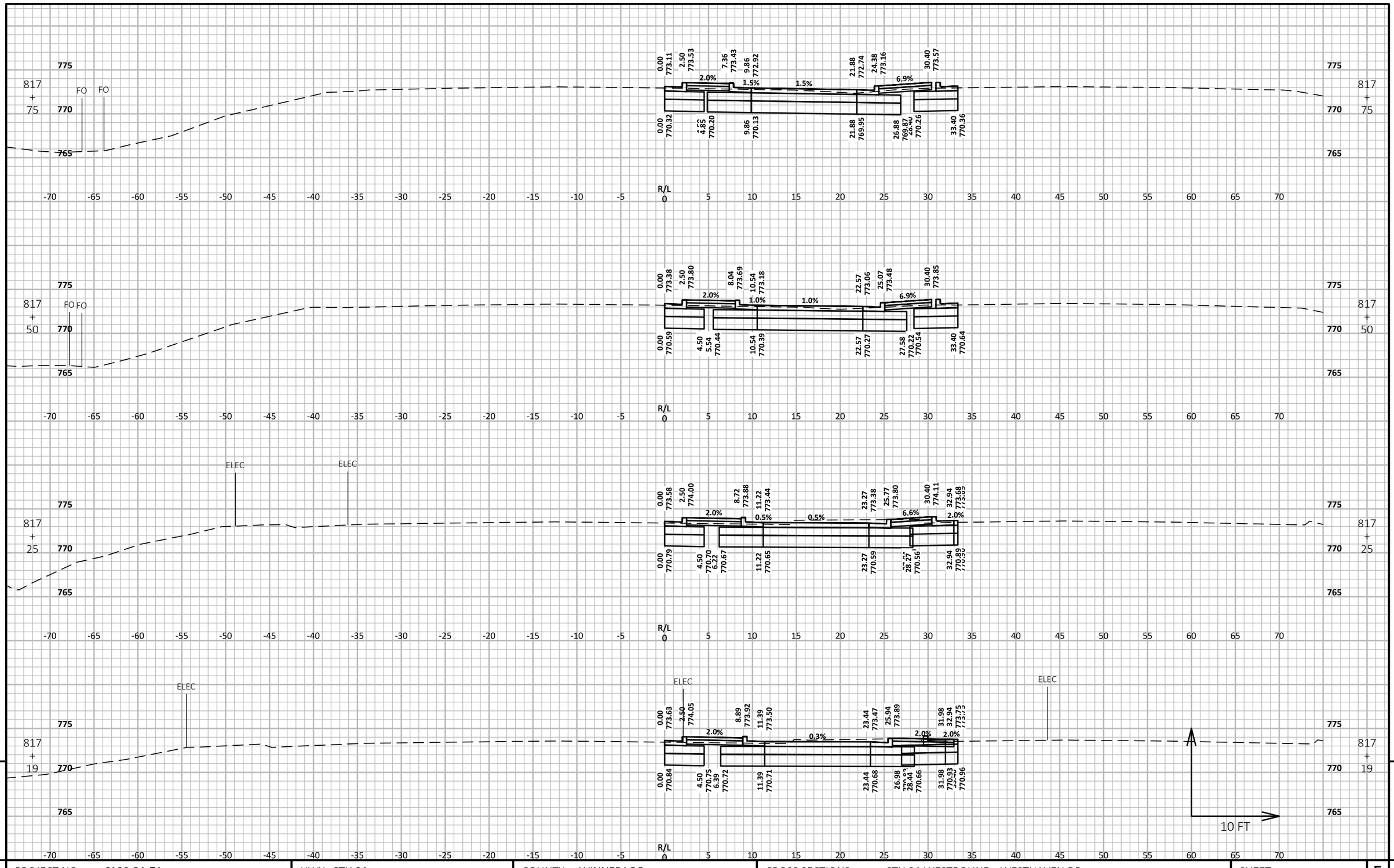
9 9

PROJECT NO: 6180-31-71	HWY: STH 21	COUNTY: WINNEBAGO	CROSS SECTIONS: STH 21 WESTBOUND - OAKWOOD RD	SHEET 414	E

FILE NAME : N:\3001455.00\CIVIL 3D\SHEETS\61803171-090301-XS.DWG
LAYOUT NAME - 61803171-090305-xs

PLOT DATE : 5/5/2025 2:29 PM PLOT BY : MATT TOMSOVIC PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

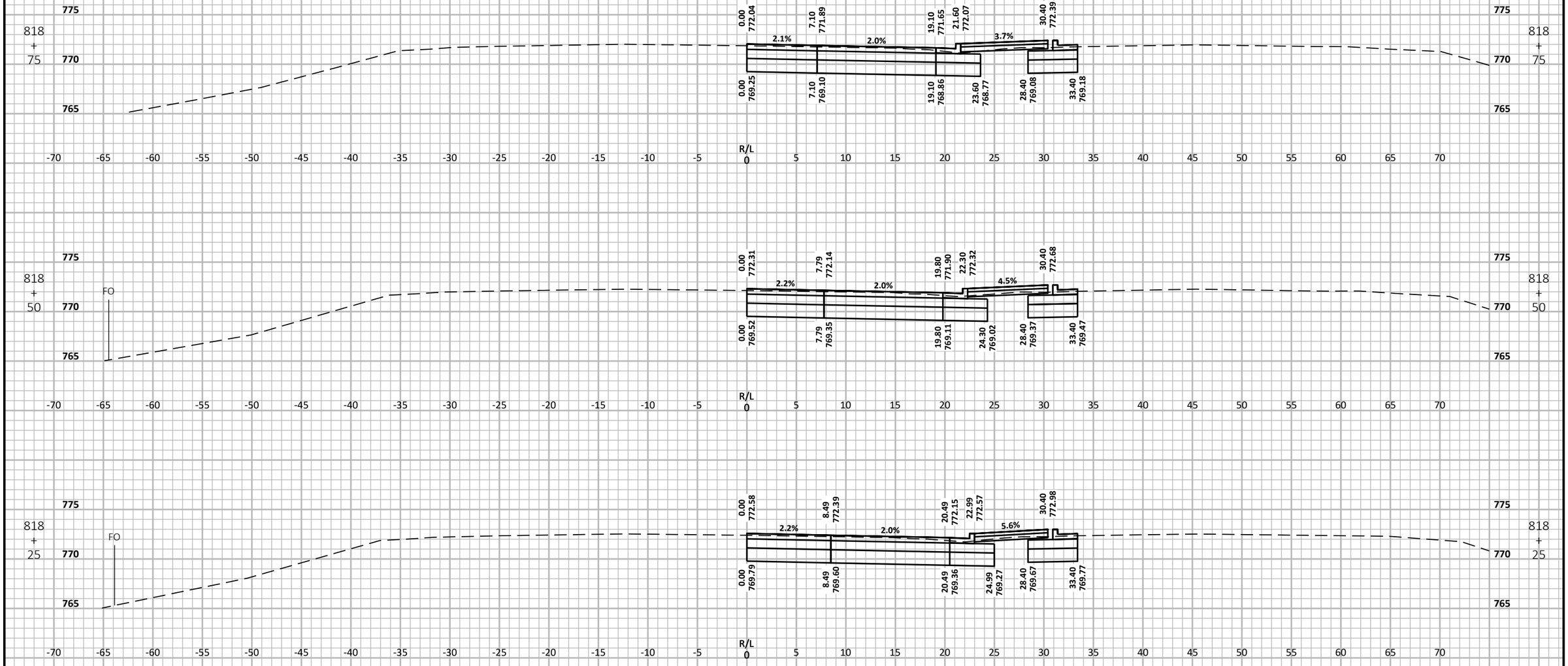
9

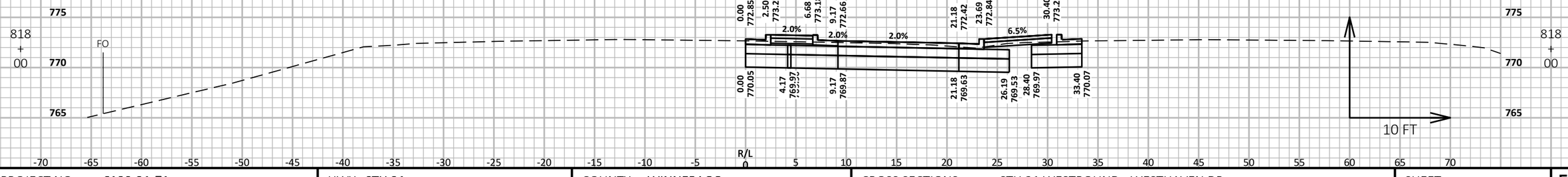
PROJECT NO: 6180-31-71	HWY: STH 21	COUNTY: WINNEBAGO	CROSS SECTIONS: STH 21 WESTBOUND - WESTHAVEN DR	SHEET 415	E

FILE NAME : N:\3001455.00\CIVIL 3D\SHEETS\61803171-090301-XS.DWG
LAYOUT NAME - 61803171-090311-xs

PLOT DATE : 5/5/2025 2:29 PM PLOT BY : MATT TOMSOVIC PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49





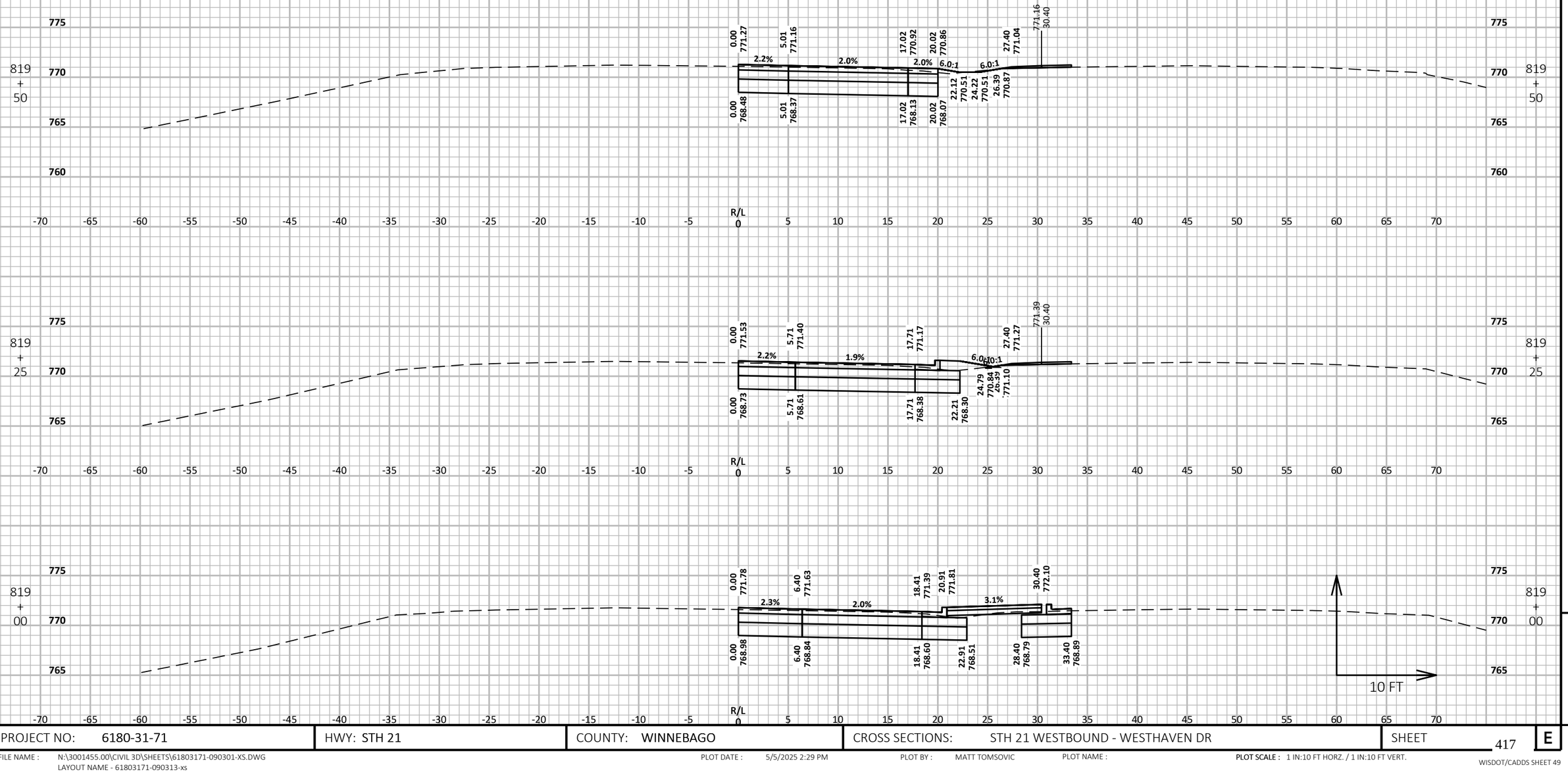
9 9

PROJECT NO: 6180-31-71	HWY: STH 21	COUNTY: WINNEBAGO	CROSS SECTIONS: STH 21 WESTBOUND - WESTHAVEN DR	SHEET 416	E

FILE NAME : N:\3001455.00\CIVIL 3D\SHEETS\61803171-090301-XS.DWG
LAYOUT NAME - 61803171-090312-xs

PLOT DATE : 5/5/2025 2:29 PM PLOT BY : MATT TOMSOVIC PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 6180-31-71	HWY: STH 21	COUNTY: WINNEBAGO	CROSS SECTIONS: STH 21 WESTBOUND - WESTHAVEN DR	SHEET 417	E

FILE NAME : N:\3001455.00\CIVIL 3D\SHEETS\61803171-090301-XS.DWG
LAYOUT NAME - 61803171-090313-xs
PLOT DATE : 5/5/2025 2:29 PM
PLOT BY : MATT TOMSOVIC
PLOT NAME :
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.
WISDOT/CADDS SHEET 49

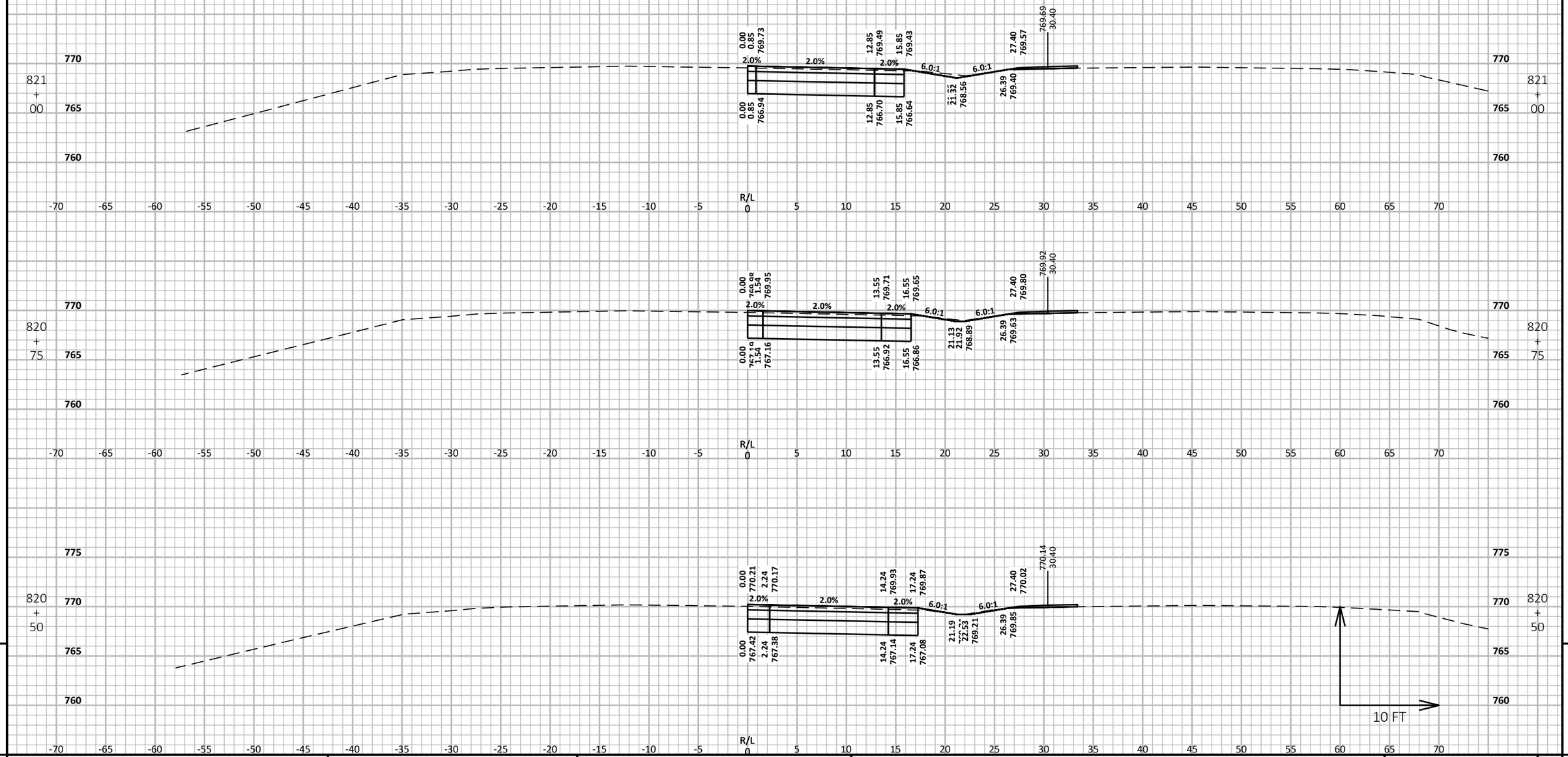
9

PROJECT NO: 6180-31-71	HWY: STH 21	COUNTY: WINNEBAGO	CROSS SECTIONS: STH 21 WESTBOUND - WESTHAVEN DR	SHEET 418	E

FILE NAME : N:\3001455.00\CIVIL 3D\SHEETS\61803171-090301-XS.DWG
LAYOUT NAME - 61803171-090314-xs

PLOT DATE : 5/5/2025 2:30 PM PLOT BY : MATT TOMSOVIC PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

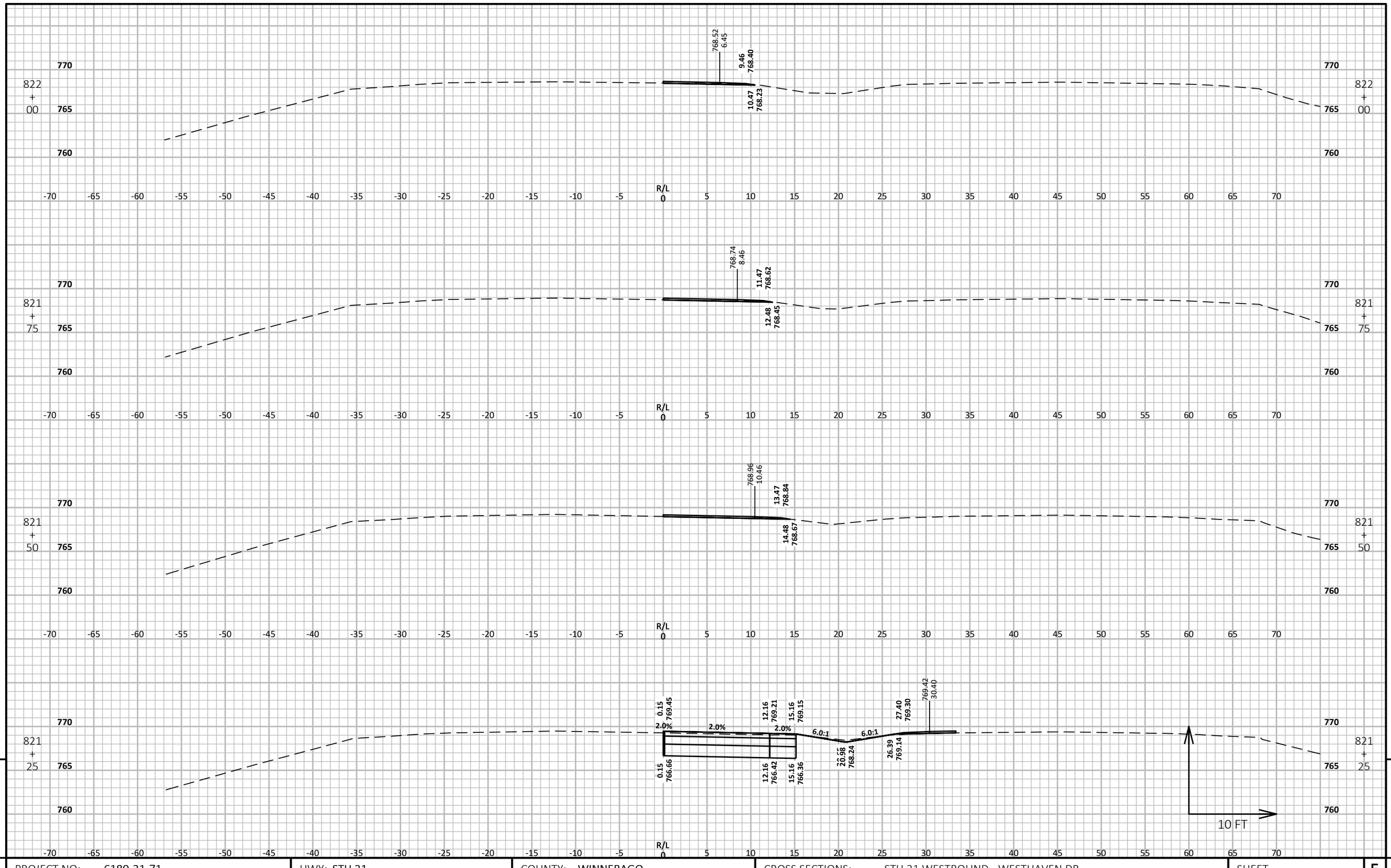


PROJECT NO: 6180-31-71	HWY: STH 21	COUNTY: WINNEBAGO	CROSS SECTIONS: STH 21 WESTBOUND - WESTHAVEN DR	SHEET 419	E

FILE NAME : N:\3001455.00\CIVIL 3D\SHEETS\61803171-090301-XS.DWG
LAYOUT NAME - 61803171-090315-xs

PLOT DATE : 5/5/2025 2:30 PM PLOT BY : MATT TOMSOVIC PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

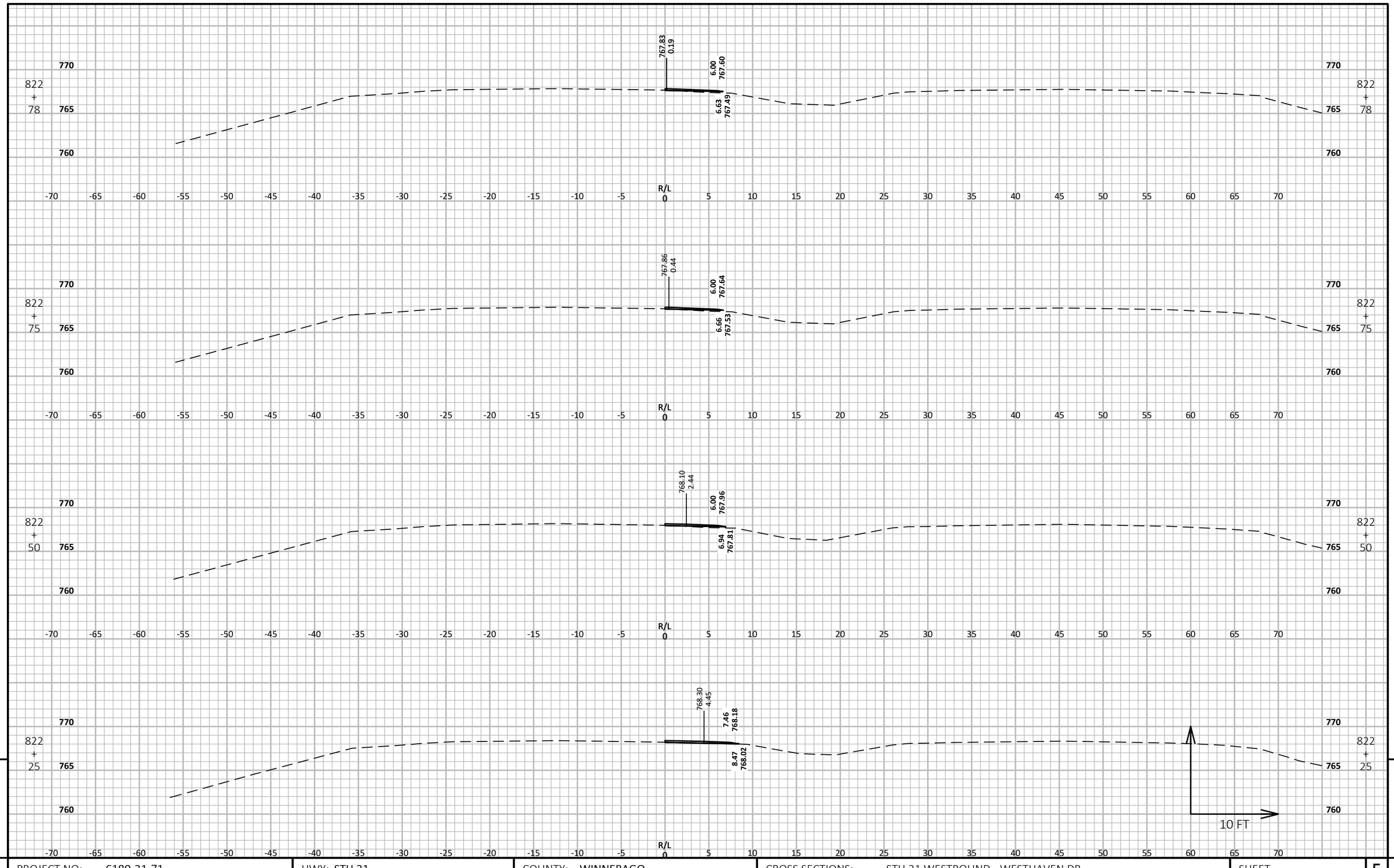
9

PROJECT NO: 6180-31-71	HWY: STH 21	COUNTY: WINNEBAGO	CROSS SECTIONS: STH 21 WESTBOUND - WESTHAVEN DR	SHEET 420	E

FILE NAME : N:\3001455.00\CIVIL 3D\SHEETS\61803171-090301-XS.DWG
LAYOUT NAME - 61803171-090316-xs

PLOT DATE : 5/5/2025 2:30 PM PLOT BY : MATT TOMSOVIC PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 6180-31-71	HWY: STH 21	COUNTY: WINNEBAGO	CROSS SECTIONS: STH 21 WESTBOUND - WESTHAVEN DR	SHEET 421	E

FILE NAME : N:\3001455.00\CIVIL 3D\SHEETS\61803171-090301-XS.DWG
LAYOUT NAME - 61803171-090317-xs

PLOT DATE : 5/5/2025 2:30 PM PLOT BY : MATT TOMSOVIC PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

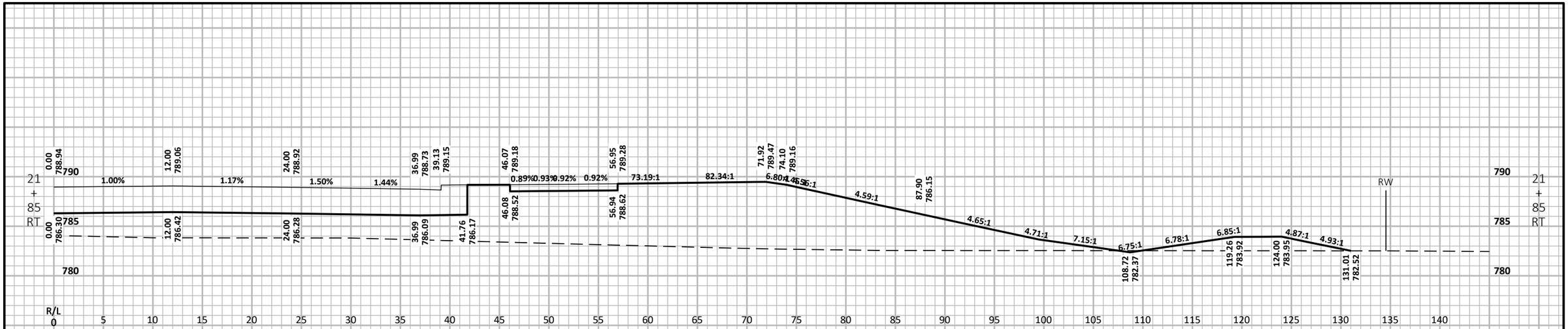
9

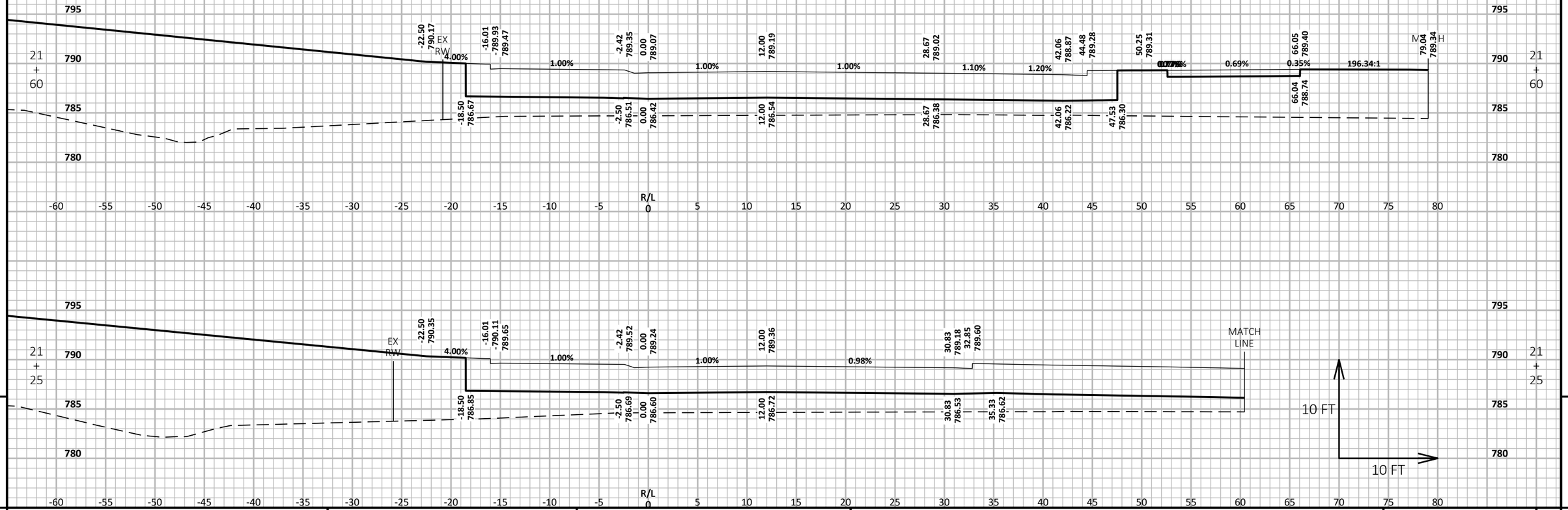
PROJECT NO: 6180-31-71	HWY: STH 21	COUNTY: WINNEBAGO	CROSS SECTIONS: ROUNDABOUT	SHEET 422	E

FILE NAME : N:\3001455.00\CIVIL 3D\SHEETS\61803171-090201-XS.DWG
LAYOUT NAME - 61803171-090321-xs

PLOT DATE : 5/5/2025 2:17 PM PLOT BY : MATT TOMSOVIC PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49





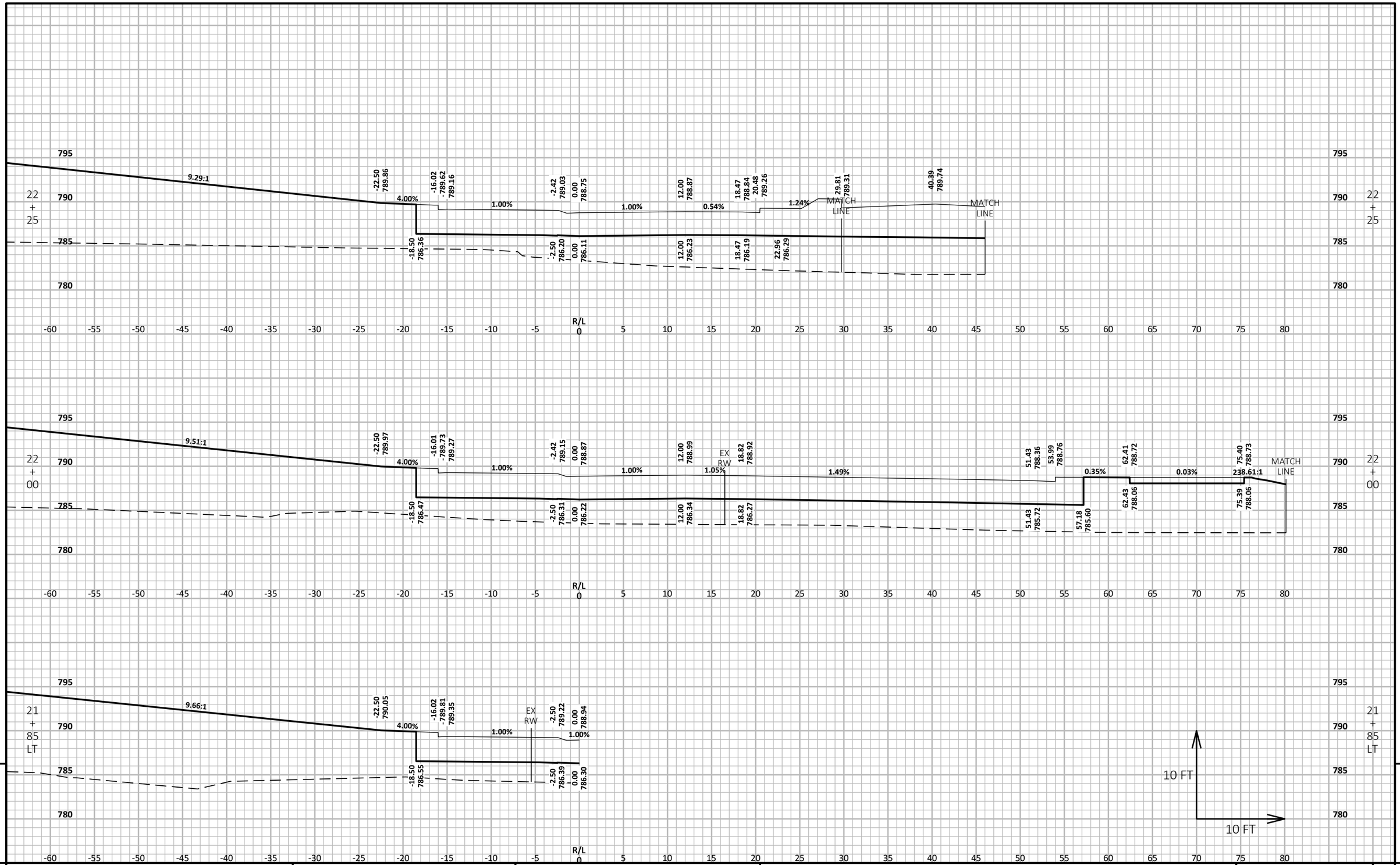
9

PROJECT NO: 6180-31-71	HWY: STH 21	COUNTY: WINNEBAGO	CROSS SECTIONS: ROUNDABOUT	SHEET 423	E

FILE NAME : N:\3001455.00\CIVIL 3D\SHEETS\61803171-090201-XS.DWG
LAYOUT NAME - 61803171-090322-xs

PLOT DATE : 5/5/2025 2:17 PM PLOT BY : MATT TOMSOVIC PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

PROJECT NO: 6180-31-71	HWY: STH 21	COUNTY: WINNEBAGO	CROSS SECTIONS: ROUNDABOUT	SHEET 424	E

FILE NAME : N:\3001455.00\CIVIL 3D\SHEETS\61803171-090201-XS.DWG
LAYOUT NAME - 61803171-090323-xs

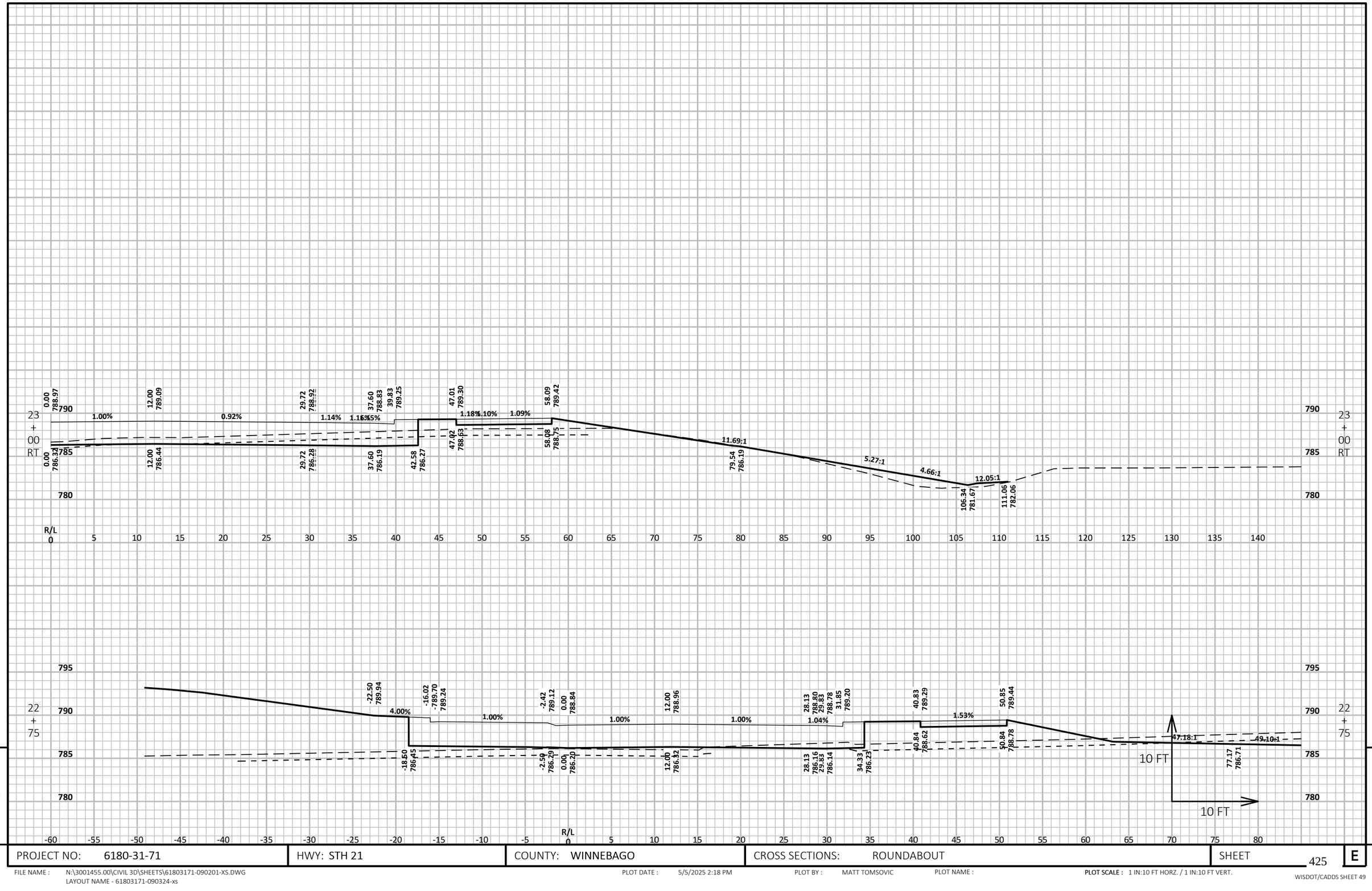
PLOT DATE : 5/5/2025 2:18 PM

PLOT BY : MATT TOMSOVIC

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 6180-31-71	HWY: STH 21	COUNTY: WINNEBAGO	CROSS SECTIONS: ROUNDABOUT	SHEET 425	E

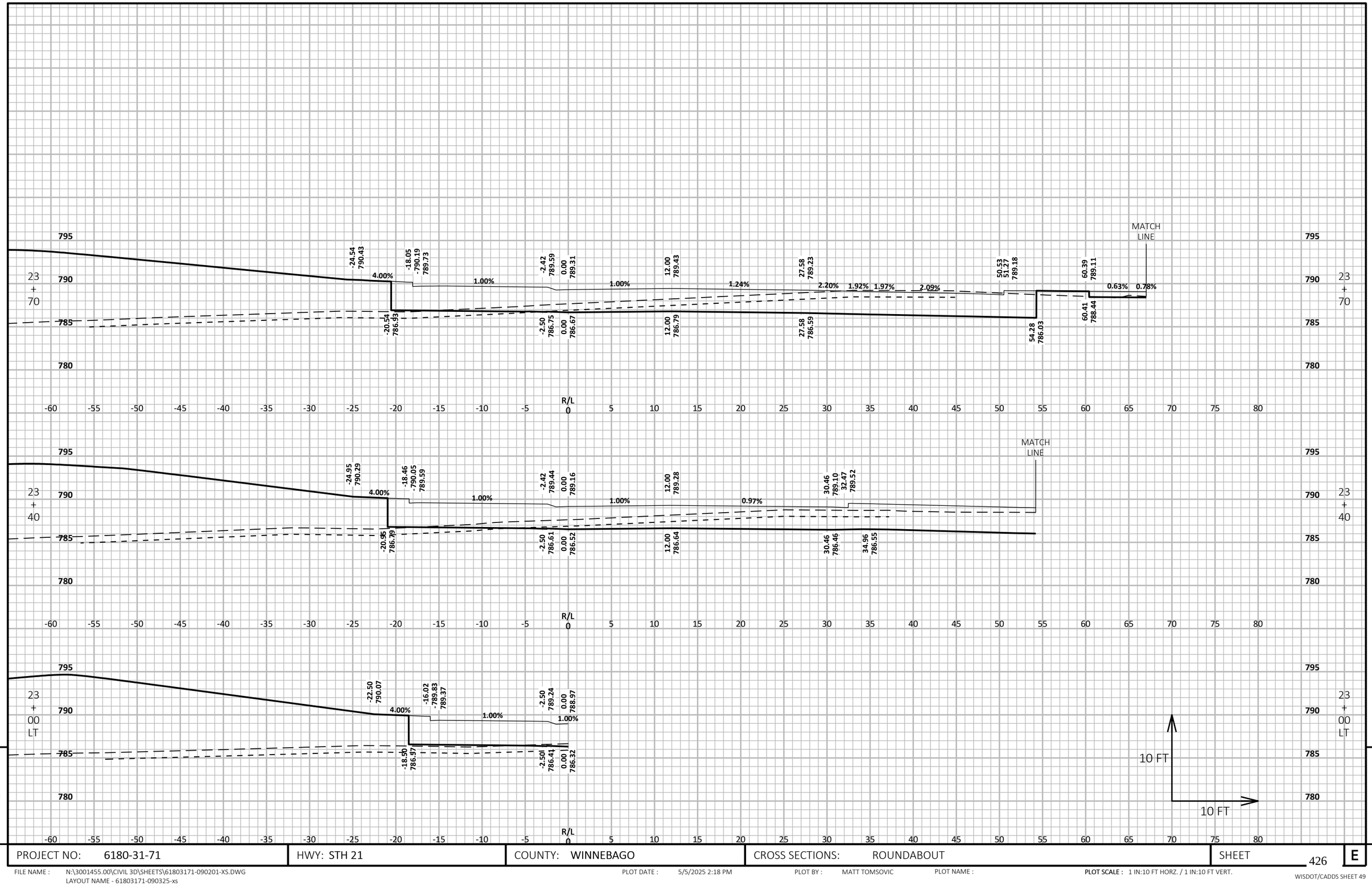
FILE NAME : N:\3001455.00\CIVIL 3D\SHEETS\61803171-090201-XS.DWG
LAYOUT NAME - 61803171-090324-xs

PLOT DATE : 5/5/2025 2:18 PM

PLOT BY : MATT TOMSOVIC

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

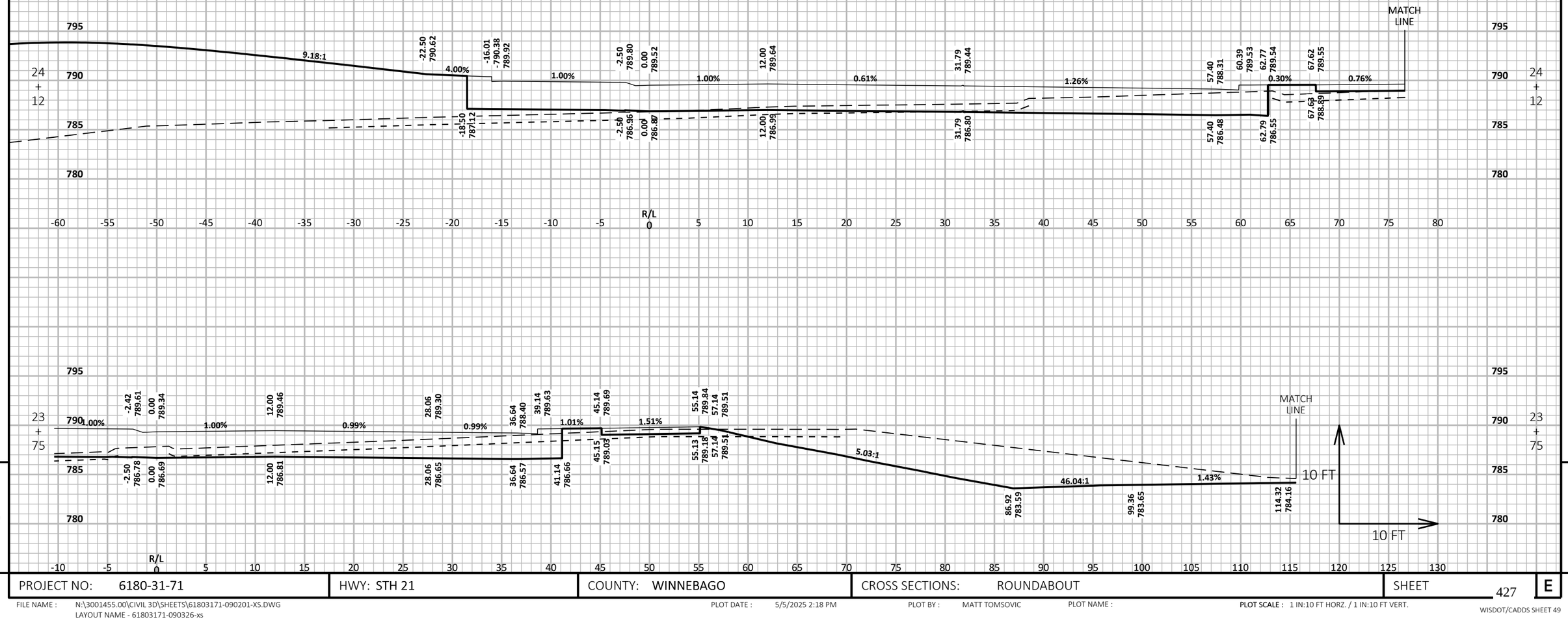


PROJECT NO: 6180-31-71	HWY: STH 21	COUNTY: WINNEBAGO	CROSS SECTIONS: ROUNDABOUT	SHEET 426	E

FILE NAME : N:\3001455.00\CIVIL 3D\SHEETS\61803171-090201-XS.DWG
LAYOUT NAME - 61803171-090325-xs

PLOT DATE : 5/5/2025 2:18 PM PLOT BY : MATT TOMSOVIC PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

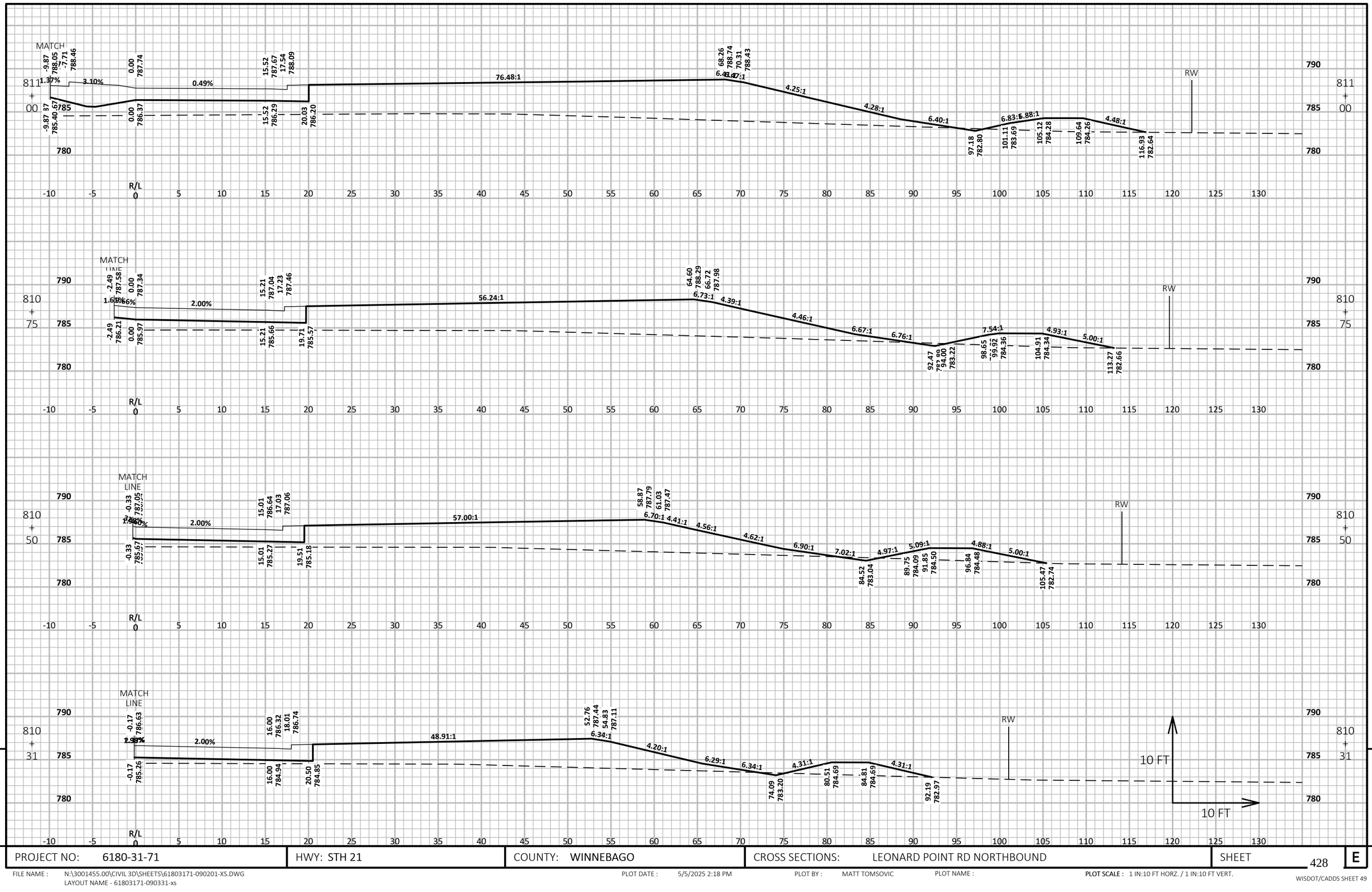


PROJECT NO: 6180-31-71	HWY: STH 21	COUNTY: WINNEBAGO	CROSS SECTIONS: ROUNDABOUT	SHEET 427 E

FILE NAME : N:\3001455.00\CIVIL 3D\SHEETS\61803171-090201-XS.DWG
LAYOUT NAME - 61803171-090326-xs

PLOT DATE : 5/5/2025 2:18 PM PLOT BY : MATT TOMSOVIC PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 6180-31-71	HWY: STH 21	COUNTY: WINNEBAGO	CROSS SECTIONS: LEONARD POINT RD NORTHBOUND	SHEET 428	E

FILE NAME : N:\3001455.00\CIVIL 3D\SHEETS\61803171-090201-XS.DWG
LAYOUT NAME - 61803171-090331-xs

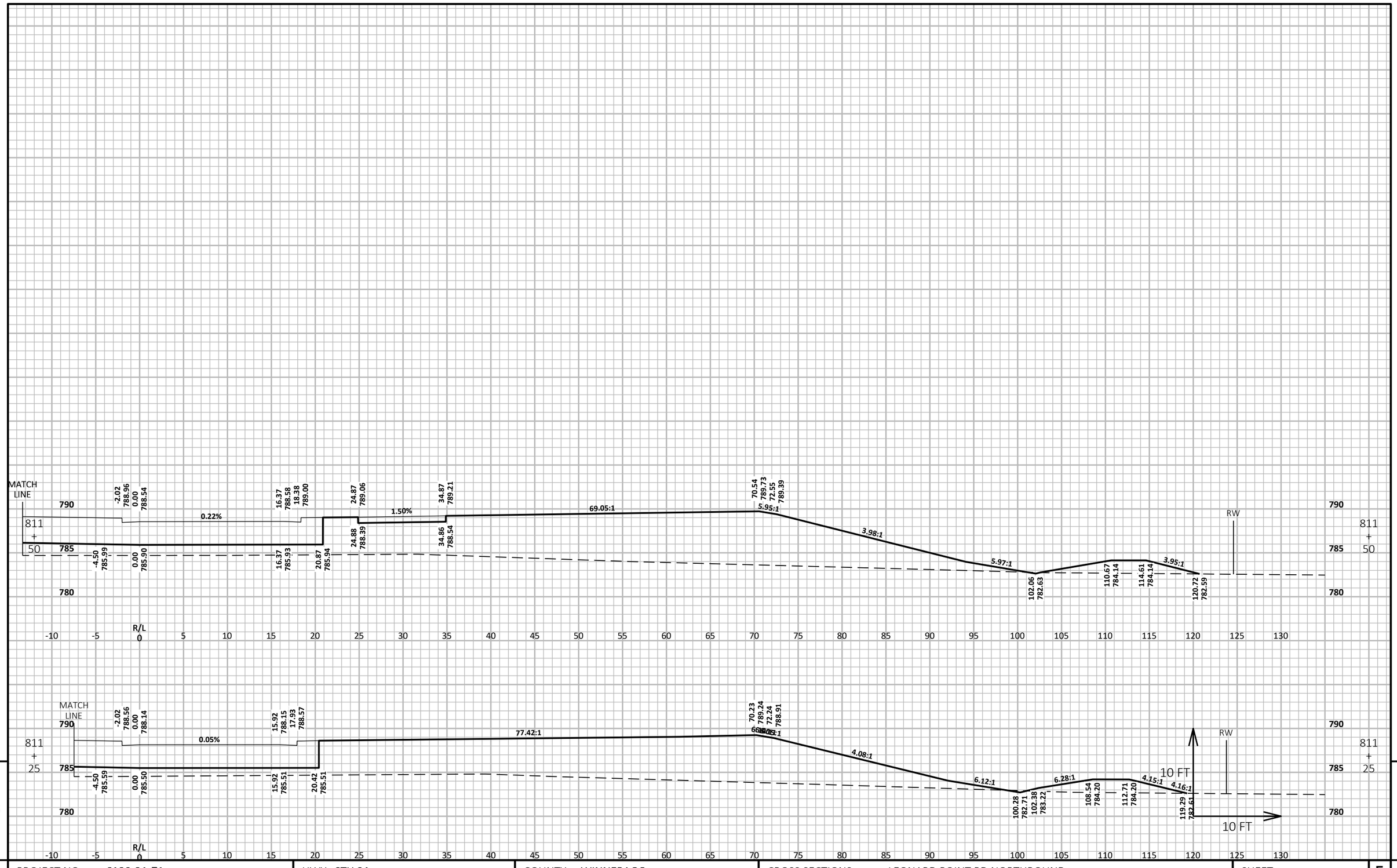
PLOT DATE : 5/5/2025 2:18 PM

PLOT BY : MATT TOMSOVIC

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



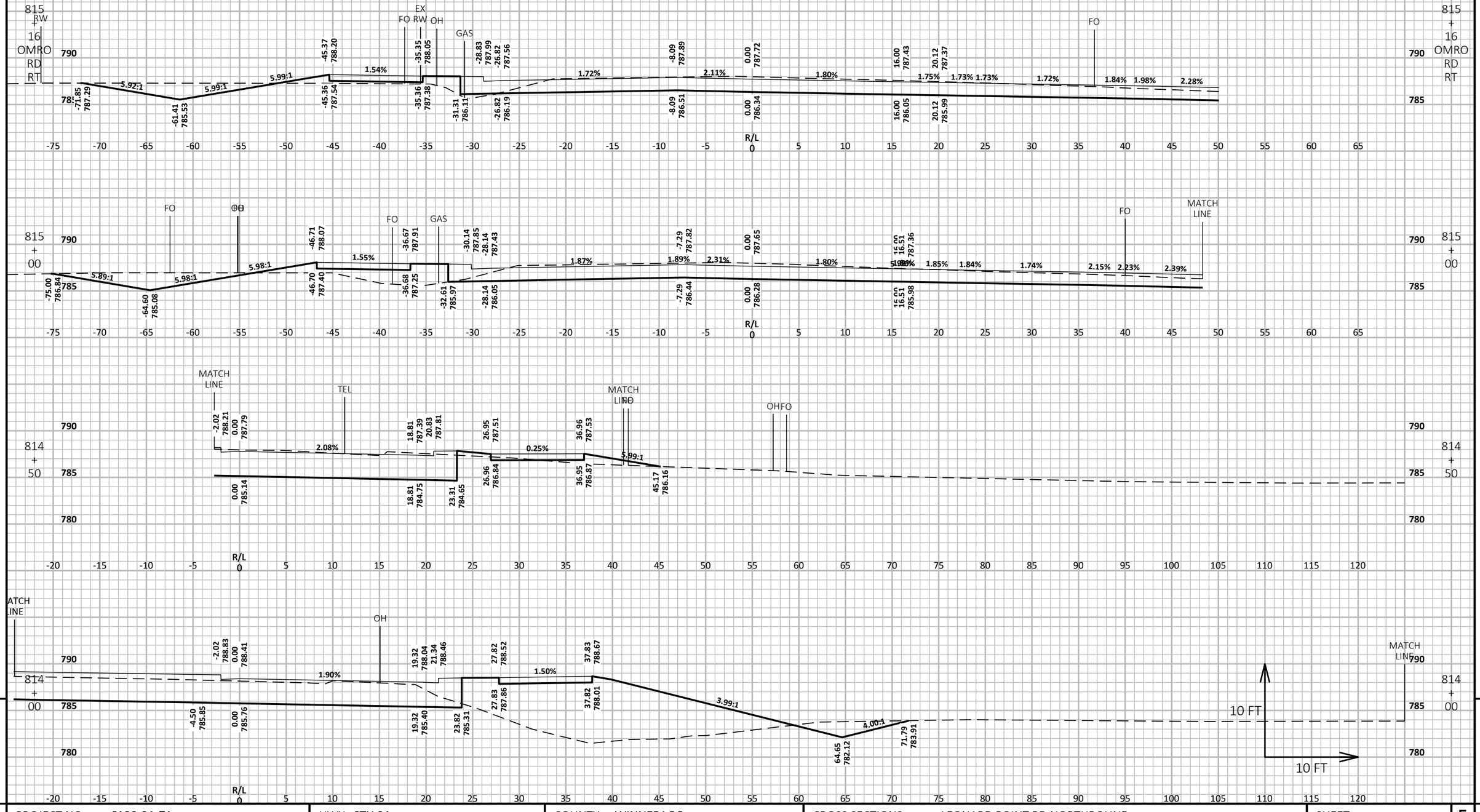
9 9

PROJECT NO: 6180-31-71	HWY: STH 21	COUNTY: WINNEBAGO	CROSS SECTIONS: LEONARD POINT RD NORTHBOUND	SHEET 429	E

FILE NAME : N:\3001455.00\CIVIL 3D\SHEETS\61803171-090201-XS.DWG
LAYOUT NAME - 61803171-090332-xs

PLOT DATE : 5/5/2025 2:18 PM PLOT BY : MATT TOMSOVIC PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



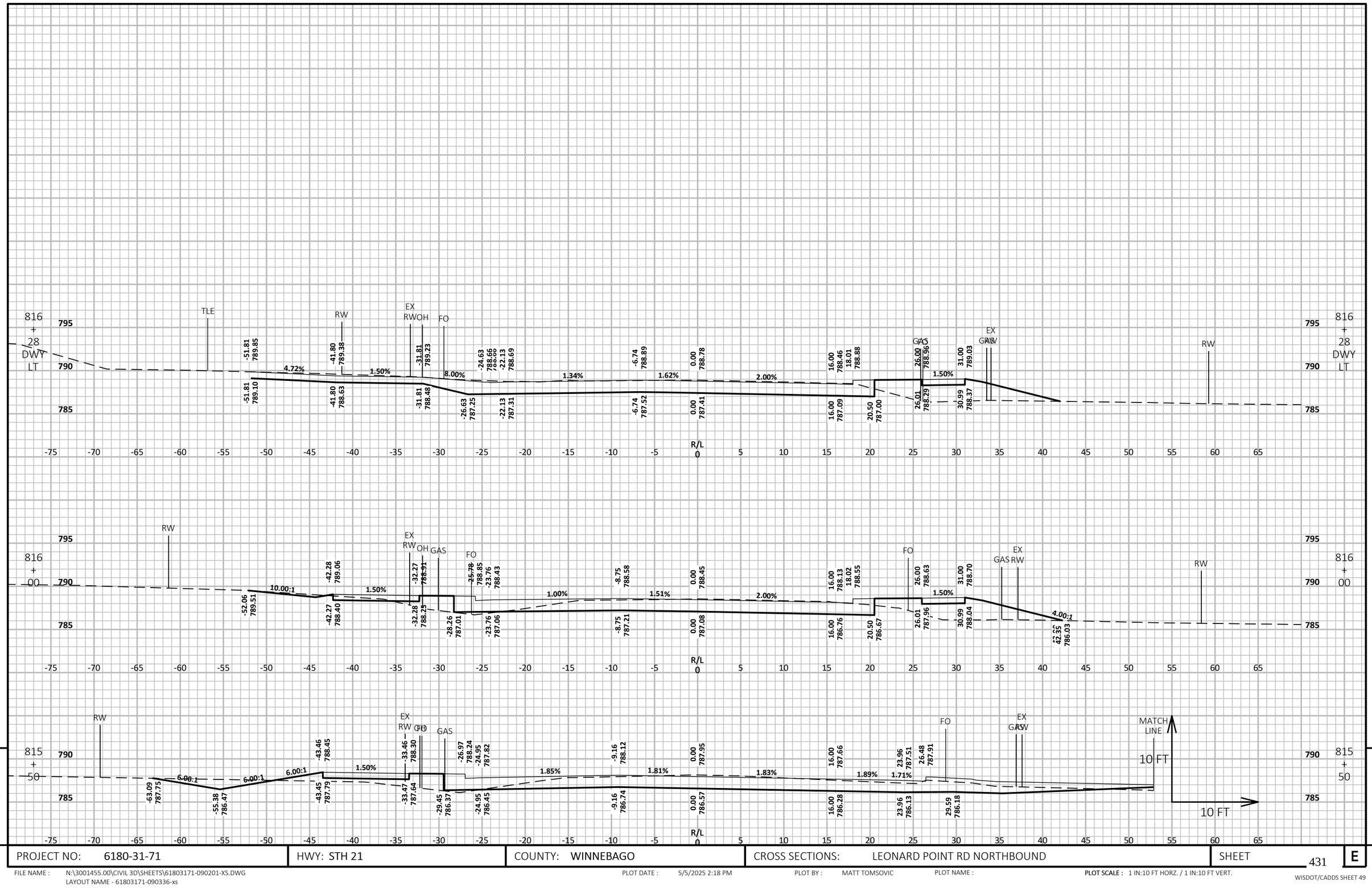
9

PROJECT NO: 6180-31-71	HWY: STH 21	COUNTY: WINNEBAGO	CROSS SECTIONS: LEONARD POINT RD NORTHBOUND	SHEET 430	E

FILE NAME : N:\3001455.00\CIVIL 3D\SHEETS\61803171-090201-XS.DWG
LAYOUT NAME - 61803171-090335-xs

PLOT DATE : 5/5/2025 2:18 PM PLOT BY : MATT TOMSOVIC PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



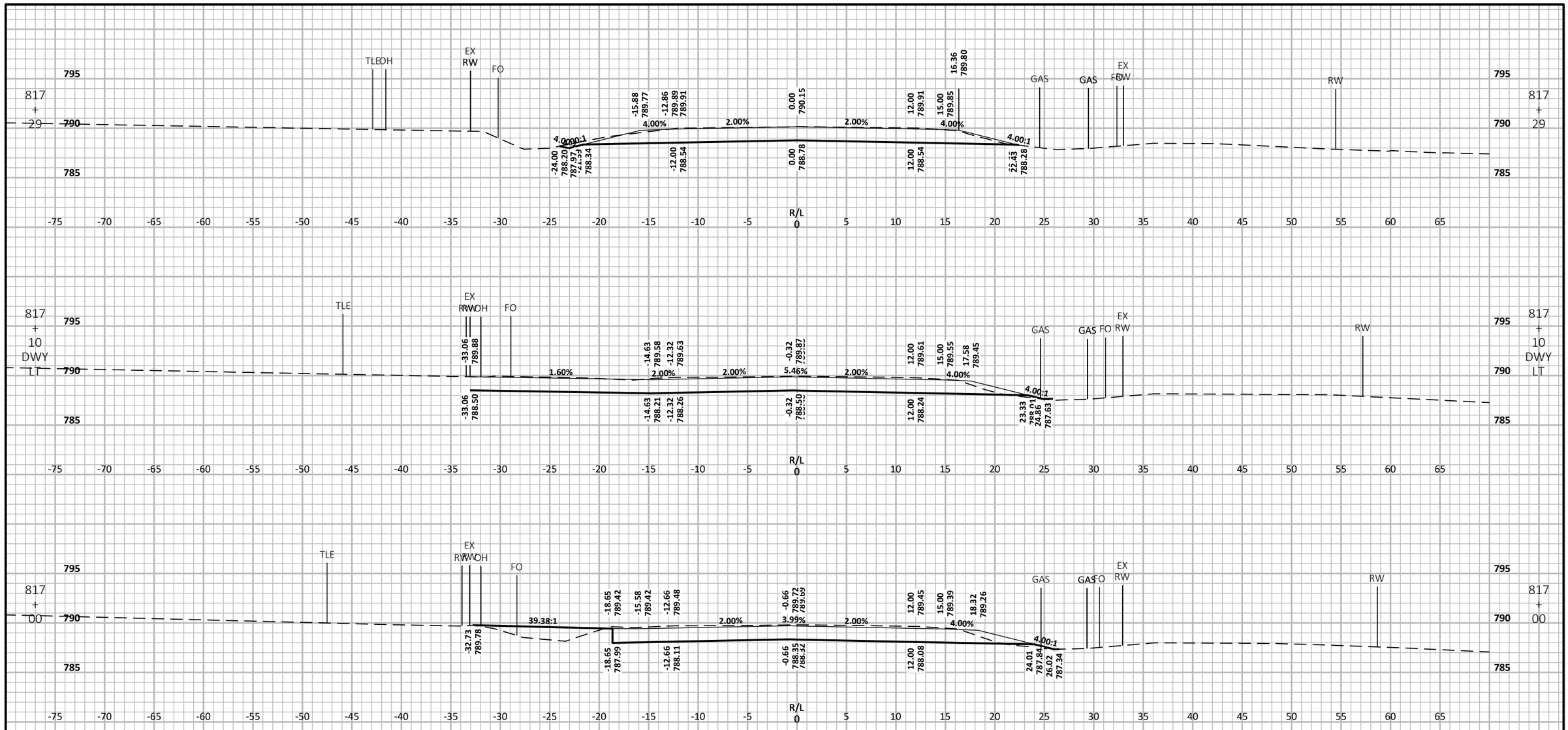
PROJECT NO: 6180-31-71	HWY: STH 21	COUNTY: WINNEBAGO	CROSS SECTIONS: LEONARD POINT RD NORTHBOUND	SHEET 431	E

FILE NAME : N:\3001455.00\CIVIL 3D\SHEETS\61803171-090201-XS.DWG
LAYOUT NAME - 61803171-090336-xs

PLOT DATE : 5/5/2025 2:18 PM PLOT BY : MATT TOMSOVIC PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

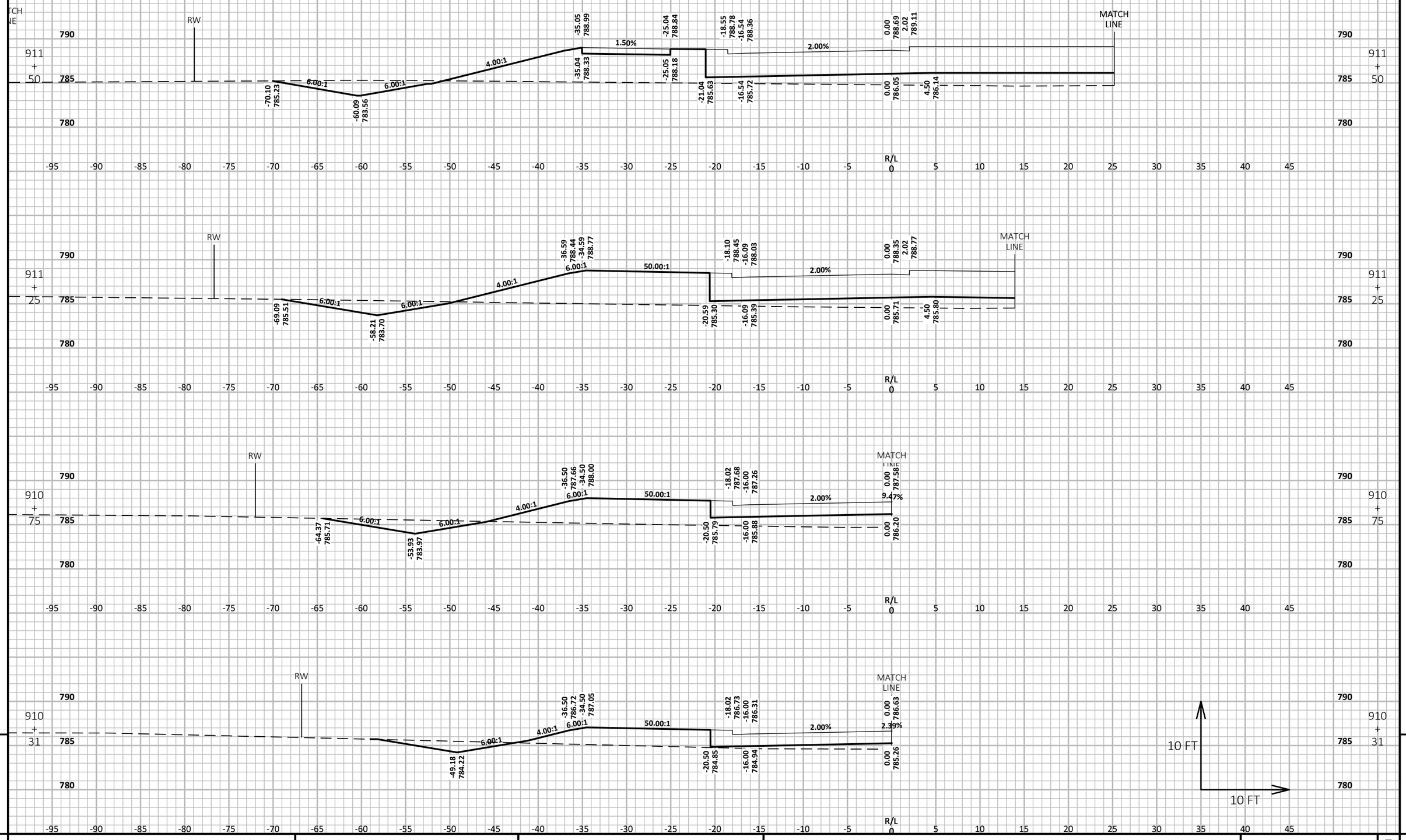
WISDOT/CADDS SHEET 49

9 9



PROJECT NO: 6180-31-71	HWY: STH 21	COUNTY: WINNEBAGO	CROSS SECTIONS: LEONARD POINT RD NORTHBOUND	SHEET 432	E

FILE NAME : N:\3001455.00\CIVIL 3D\SHEETS\61803171-090201-XS.DWG
LAYOUT NAME - 61803171-090337-xs
PLOT DATE : 5/5/2025 2:18 PM
PLOT BY : MATT TOMSOVIC
PLOT NAME :
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.
WISDOT/CADDS SHEET 49

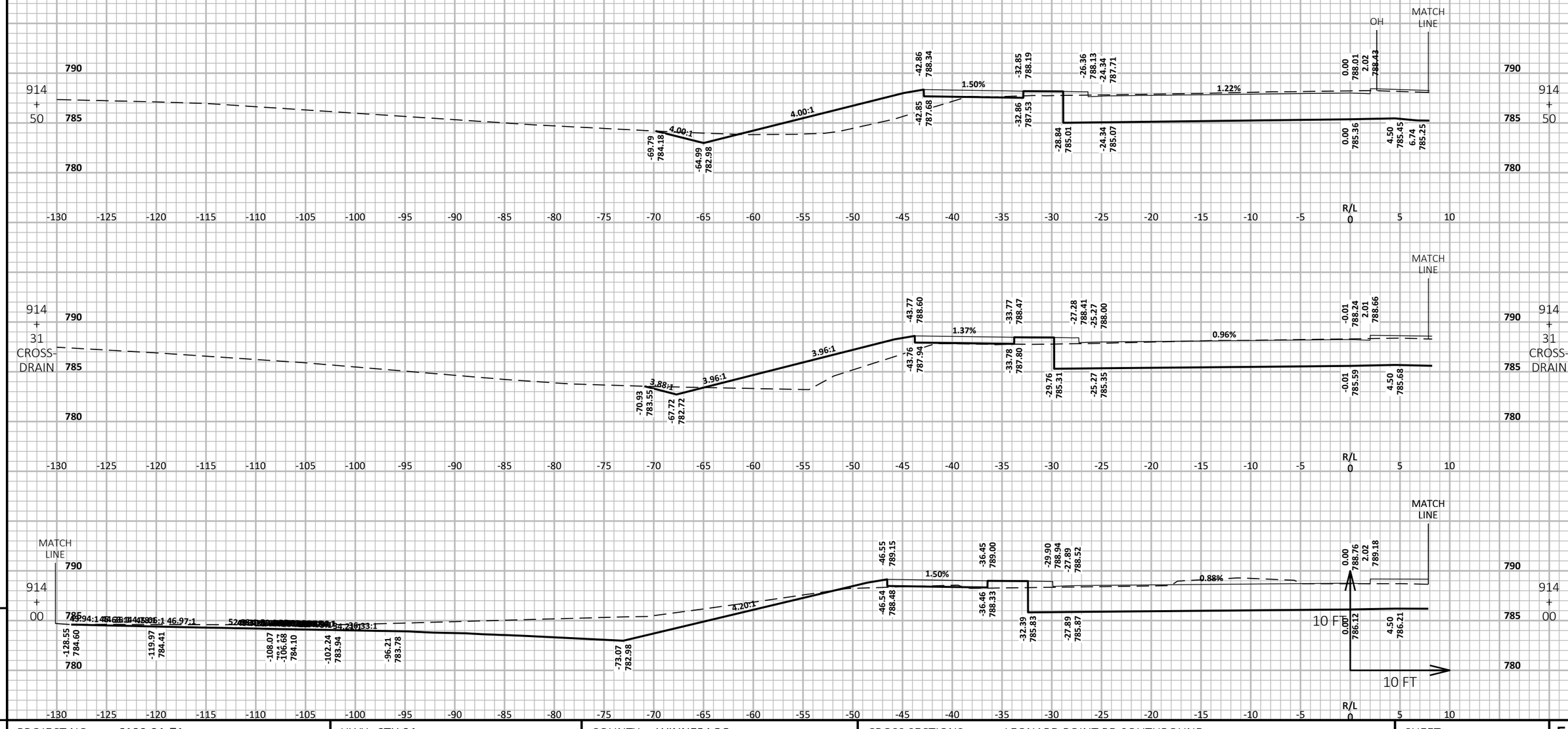


PROJECT NO: 6180-31-71	HWY: STH 21	COUNTY: WINNEBAGO	CROSS SECTIONS: LEONARD POINT RD SOUTHBOUND	SHEET 433	E

FILE NAME : N:\3001455.00\CIVIL 3D\SHEETS\61803171-090201-XS.DWG
LAYOUT NAME - 61803171-090341-xs

PLOT DATE : 5/5/2025 2:18 PM PLOT BY : MATT TOMSOVIC PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 6180-31-71	HWY: STH 21	COUNTY: WINNEBAGO	CROSS SECTIONS: LEONARD POINT RD SOUTHBOUND	SHEET 434	E

FILE NAME : N:\3001455.00\CIVIL 3D\SHEETS\61803171-090201-XS.DWG
LAYOUT NAME - 61803171-090345-xs

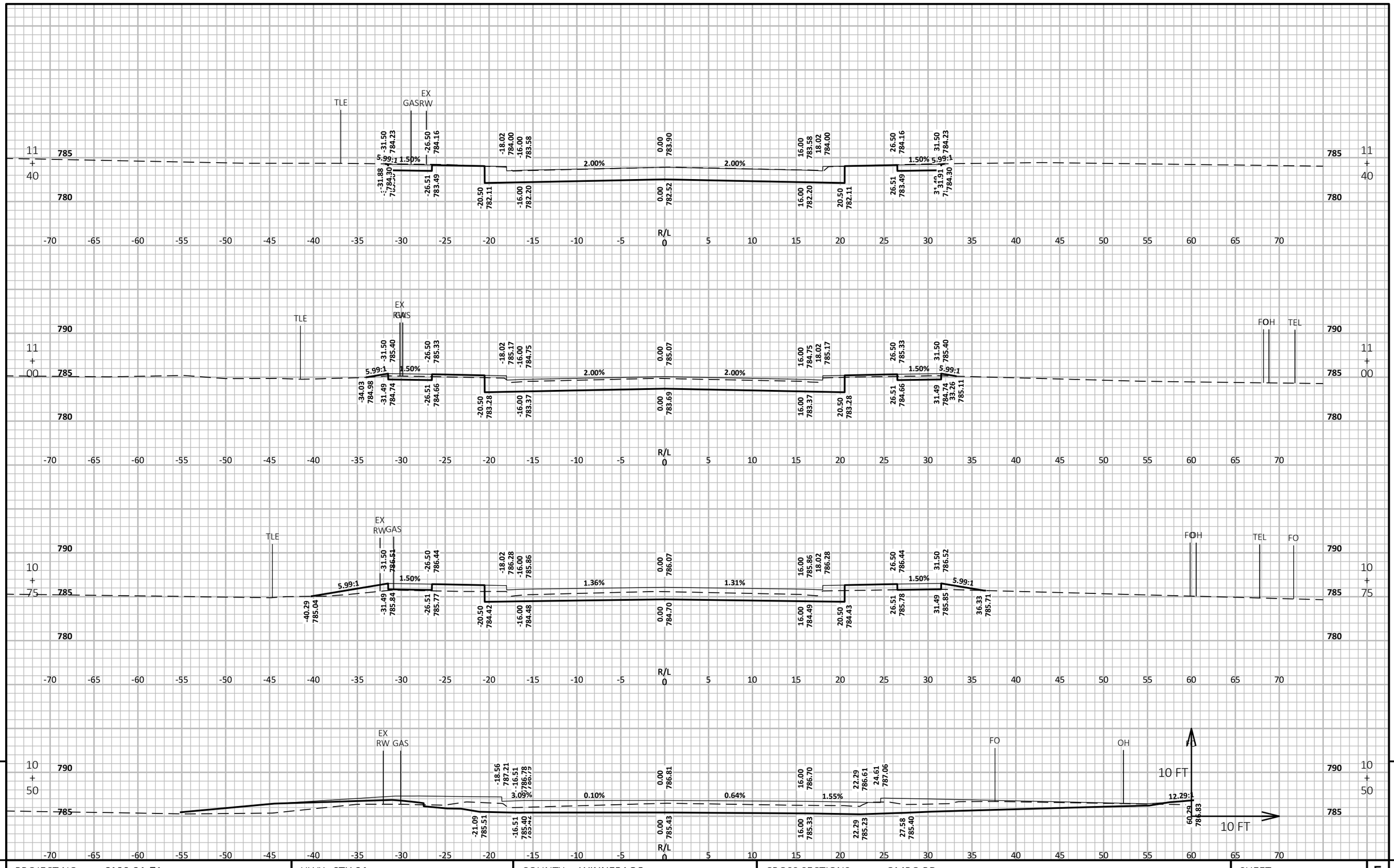
PLOT DATE : 5/5/2025 2:18 PM

PLOT BY : MATT TOMSOVIC

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

PROJECT NO: 6180-31-71	HWY: STH 21	COUNTY: WINNEBAGO	CROSS SECTIONS: OMRO RD	SHEET 435	E

FILE NAME : N:\3001455.00\CIVIL 3D\SHEETS\61803171-090201-XS.DWG
LAYOUT NAME - 61803171-090351-xs

PLOT DATE : 5/5/2025 2:18 PM

PLOT BY : MATT TOMSOVIC

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.

http://www.dot.wisconsin.gov